Groundwater Monitoring Report
November 2025

1000 Turk Hill Road
Fairport, Monroe County, New York

March 10, 2026

Prepared for:

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Acronym List

Acronym	Definition
AWQSGVs	Ambient Water Standards and Guidance Values
bls	below land surface
CVOCs	Chlorinated Volatile Organic Compounds
DHC	Dehalococcoides
DOT	Department of Transportation
DO	Dissolved oxygen
DUSR	Data Usability Summary Report
Erie Canal	New York State Barge Canal
FSP	Field Sampling Plan
IRM	Interim Remedial Measures
µg/L	Micrograms per liter
NAVD	North American Vertical Datum
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
ORP	Oxidation reduction potential
QA/QC	Quality assurance/quality control
QAPP	Quality Assurance Project Plan
RAWP	Remedial Action Work Plan
Report	Groundwater Monitoring Report
RI	Remedial Investigation
RIWP	Remedial Investigation Work Plan
Site	1000 Turk Hill Road, Fairport, Monroe County, New York
SVOC	Semi-Volatile Organic Compounds
TCL	Target compound list
TIC	Tentatively identified compounds
TCE	Trichloroethene
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VC	Vinyl chloride
VOC	Volatile organic compound

1. Introduction

Roux Environmental Engineering and Geology, D.P.C. (Roux) on behalf of New Coleman Holdings, Inc. prepared this Groundwater Monitoring Report (Report) detailing the completed scope of work and laboratory test results for groundwater sampling conducted at 1000 Turk Hill Road, Fairport, Monroe County, New York (Site) (Figure 1 and 2) between November 24 and November 25, 2025. The scope of services discussed herein followed the approved Remedial Action Work Plan (RAWP) dated September 6, 2024. Samples were collected from 12 of the 13 monitoring wells scheduled to be sampled during this sampling event.

1.1 Site Background

The Site was improved with the existing three buildings in the late 1890s/ early 1900s by Cobbs Canning Company, a food processing and canning company. Canning operations continued until 1923. Between 1909 and 1931, the Rochester, Syracuse, and Eastern Railroad operated an electric trolley line that passed through the southern portion of the Site. Between 1953 and 1971 Crosman Arms (Crosman) operated a BB gun manufacturing facility at the Site. Crosman's manufacturing operations included machine coating, plating, cooling, painting, and degreasing. In 1984, the Site was divided into a multi-tenant commercial park referred to as Turk Hill Park.

Several investigations were conducted at this Site prior to the Remedial Investigation (RI) activities that occurred between 2015 and 2017. The history of the Site has been developed based on findings generated as part of various historic environmental investigations. A summary of these investigations is contained in the Records Search Report, Rev. 2 (under separate cover) (CB&I, 2015). Based on the results of previous investigations, the site has been classified as a Class 2 Inactive Hazardous Waste Site (Order on Consent Index No. B8-0823-14-01).

As part of site investigation activities, 25 monitoring wells were installed throughout the Site to assess groundwater quality. As part of the approved Remedial Investigation Work Plan (RIWP) scope, groundwater monitoring was performed between the 2nd quarter of 2016 and the 1st quarter of 2018. Roux performed groundwater monitoring activities in July 2021, October 2021, June 2022, June 2023, July/ August 2024 and then four times per year after the injection program.

In accordance with the March 27, 2019, Interim Remedial Measures (IRM) Work Plan, a remedial excavation was performed east of Building 3 to remove the primary source area for chlorinated volatile organic compounds (CVOCs) in the 2nd Quarter of 2019. A total of 521.65 tons of CVOC impacted material was excavated and disposed of offsite.

In August 2021, a Pilot Study was completed to assess the effectiveness of the *in situ* treatment for groundwater and obtain Site-specific information. Based on the performance of the Pilot Study, a full-scale groundwater treatment program was developed, as described in September 6, 2024 RAWP. Phase 1 of the remedial injection program was completed between September 27 and October 2, 2024 and Phase 2 of the remedial injection program was completed between July 1 and July 14, 2025. Locations of the injection points for these events were clustered around monitoring wells MW-16, MW-2S/M/D, RXMW-9S, MW-27S and MW-35M.

1.2 Summary of Environmental Conditions

Subsurface investigations have been conducted at the Site from 1990 through 2019 to define the nature and extent of potential impacts to soil, groundwater, and soil vapor beneath the Site. Investigation and remedial activities included, but were not limited to, underground storage tank (UST) removal, suspect asbestos-containing material sampling, monitoring well installation, soil vapor point installation, test pitting, soil boring, soil sample collection and analysis, geophysical investigation, groundwater sampling and analysis, and soil vapor sampling and analysis.

1.2.1 Regional and Local Geology

The Site is located approximately 475 feet above mean sea level relative to North American Vertical Datum (NAVD) 88. The 1972 United States Department of Agriculture Soil Conservation Service's Soil Survey of Monroe County indicated the Site is comprised of Ontario Loam, which is a portion of the Halsey soil series, and has moderate permeability and medium acidic soil reaction characteristics. The Site is located within the Lake Erie-Ontario Basin physiographic province of New York, which is underlain by sedimentary rocks consisting mostly of Proterozoic shale and limestone.

Based on information gathered from previous investigations and a review of the general construction techniques used to build the Canal, fill materials originating from the Canal construction are located onsite near the shoreline of the Canal. Based on the information provided in the RI, other portions of the Site have also been filled with sediments that were excavated from the Canal. This fill material is likely co-mingled with native soils and is of similar lithology to native soils making exact distinction between those lithologic units difficult. Overburden consists of a single unit comprised primarily of sand and silty-sand with smaller zones of clay, silt, gravel, and some organic soils in landscaped and other unimproved areas. The overburden unit generally extends from grade or from below pavement and/or building slabs to bedrock. The top of the bedrock surface is encountered between approximately 10 and 27 feet below land surface (bls). The variability in overburden thickness was generally consistent with changes in surface elevation (i.e., areas of higher surface elevation generally had increased overburden thickness). Fill materials consisting of crusher run stone and aggregate extend from below the asphalt pavement to the top of bedrock in the area east of Building 3 where the soil excavation Interim Remedial Measure (IRM) was performed.

1.2.2 Hydrogeology

The Canal is located on the northern and eastern borders of the Site and generally flows eastward during its operating season. The New York State Canal Corporation operates the Canal on a seasonal basis during the warmer months of the year. The Canal is drained seasonally beginning in early November and the low water level state continues until late April or May when the Canal is refilled with water and is opened to marine traffic.

Regional groundwater flow in the vicinity of the Site is generally northward and westward towards Irondequoit Bay and Lake Ontario. Locally, groundwater elevations in overburden soil and in weathered bedrock fluctuate with the seasonal changes in the water level of the Canal. Aside from areas of apparent mounded groundwater behind the foundations of Buildings 1 and 2 (as observed in monitoring well MW-16s during previous sampling events), the water-table is relatively flat across the Site when the Canal is full (high groundwater events), with groundwater elevations varying across the Site less than 3 feet across wells monitored during this sampling event, with little or no readily discernable gradient. The water table is generally lower and more variable in elevation when the Canal is drained (low groundwater events). Based

on these observations, the predominant influences on groundwater elevations, flow directions, and gradients are the elevation of surface water in the Canal when it is filled, and bedrock elevations when the Canal is drained.

Based on the available information, there is no direct hydraulic connection between the surface waters in the canal and groundwater at the Site. The canal is lined with clay based on the available documentation of its construction, which serves to reduce or eliminate any significant hydraulic connectivity between the Site groundwater and the canal waters, as is common with a natural surface water feature. The changes in groundwater elevation resulting from the seasonal draining and filling of the canal are likely related to the pressure fronts that act like a diaphragm exerting pressure on the canal sediments, lining and adjacent soil and groundwater. These conditions result in a relatively direct relationship between the elevation of the canal waters and the elevation of groundwater across much of the developed portion of the Site. This condition is similar to the influence of tides on adjacent groundwater elevations. A water-table contour map based on water level data obtained during the November 2025 sampling event is provided as Figure 3.

Groundwater elevations and the available Site information indicate the migration of groundwater to or from the Site is very limited. Groundwater beneath the Site and in the area around the Site is not used as a source of potable water. According to the Monroe County Water Authority, surface water from Lake Ontario and/or Hemlock Lake is used for the municipal water supply throughout the town of Perinton, New York and the village of Fairport, New York.

1.2.3 Previous Groundwater Monitoring Events

Between the 2nd Quarter of 2016 and the 1st Quarter of 2018 quarterly groundwater sampling events were performed. The results of these sampling events were previously reported to NYSDEC. In conjunction with the in situ groundwater treatment program, Roux completed various groundwater sampling events, including the following:

- Pre-Pilot Study Groundwater Sampling Results (July 2021)
- Pilot Study Program Performance Monitoring (October 2021)
- Pilot Study Program Performance Monitoring (June 2022)
- Baseline Groundwater Sampling Prior to the Full-Scale in situ Injection Program (June 2023)
- Baseline Groundwater Sampling Prior to the Full-Scale in situ Injection Program (July and August 2024)
- Performance Groundwater Sampling Event #1 – November (Following Phase 1 of the Full-Scale in situ Injection Program)
- Performance Groundwater Sampling Event #2 - April 2025
- Performance Groundwater Sampling Event #3 – July & August 2025 (Following Phase 2 of the Full-Scale in situ Injection Program)
- Performance Groundwater Sampling Event #4 –September 2025

The results of these sampling events were detailed in previously submitted reports.

2. Groundwater Monitoring and Sampling Scope of Work

During the groundwater sampling event that was completed on November 24 and November 25, 2025, 13 onsite monitoring wells were sampled. Samples were collected from monitoring wells: MW-2S, MW-2M, MW-2D, MW-3S, MW-8S, MW-10S, MW-16S, MW-27S, MW-28S, MW-29S, MW-35M and RXMW-9S. Monitoring well MW-15S was slated to be sampled during this event, but was not due to insufficient water in the well. A sample was collected from monitoring MW-1S and analyzed from volatile organic compounds (VOCs). MW-1S isn't part of the post-injection sampling program.

Prior to performing the groundwater sampling, all wells that were part of this sampling round were gauged to measure the water table elevation. Then each of the monitoring well with sufficient water to collect a sample was purged using low-flow sampling procedures. Each well was sampled for VOCs and performance parameters; including methane, ethane, ethene, total organic carbon, nitrate/nitrite, sulfate, and carbon dioxide. Current levels of biological activity in four of the wells in the vicinity of the previously completed injections (MW-2S, RX-MW9S, MW-16S and MW-35M) were be determined by sampling for the microorganisms or functional genes deemed critical for successful bioremediation; specifically, bacteria within the Dehalococcoides (DHC) genus. Geochemical parameters, including specific conductivity, pH, turbidity, temperature, ORP and dissolved oxygen were collected in the field prior to collecting each sample. The gauging and geochemical data is summarized in Table 4.

Each sample was collected, stored and analyzed as detailed in the Field Sampling Plan (FSP). All purge water generated was containerized and stored in a designated onsite storage area in Department of Transportation (DOT)-approved 55-gallon drums for characterization and offsite disposal.

3. Results

3.1 Analytical Results – November 2025

Groundwater samples were collected from 13 monitoring wells during the November 2025 sampling event at the Site. The results of individual parameters are discussed in the section below. All exceedances of the AWQSGV criteria are highlighted on Figure 4 and Tables 1 & 2. Copies of the laboratory analytical reports can be found in Appendix A.

3.1.1 Volatile Organic Compounds

The following six VOCs were detected above their respective AWQSGV values: acetone, cis-1,2-dichloroethylene, dichloroethylenes, methyl ethyl ketone (2-butanone), trichloroethene (TCE) and vinyl chloride (VC). Exceedances for VOCs were observed in 5 monitoring wells (MW-2S, MW-2M, MW-2D, MW-16S and RXMW-9S). The highest individual detections of these VOCs were all observed in following monitoring wells at the following concentrations:

- Acetone: 880 µg/L in monitoring well MW-2M
- Cis-1,2-dichloroethylene: 71 µg/L in monitoring well RXMW-16S
- Dichloroethylenes: 71 µg/L in monitoring well RXMW-16S
- Methyl ethyl ketone (2-butanone): 150 J µg/L in monitoring well MW-2M
- TCE: 9.6 µg/L in monitoring well RXMW-9S
- VC: 36 µg/L in monitoring well RXMW-9S

3.1.2 General Chemistry

Sulfate (as SO4) was detected above its AWQSGV value of 250,000 µg/L in monitoring well MW-2D and RXMW-9S with the highest concentration (500,000 µg/L) being observed in MW-2D Nitrogen (Nitrate-Nitrite) was detected above its AWQSGV value of 10,000 µg/L in monitoring well MW-8S at a concentration of 12,000 µg/L.

3.1.3 Dehalococcoides (DHC)

Dehalococcoides (DHC) concentration ranged from 5.10E+00 in monitoring well MW-35M to 1.10E+04 in monitoring well MW-16S. The results of the DHC sampling is summarized on Table 3.

3.2 Quality Assurance/ Quality Control

To meet NYSDEC quality assurance and quality control requirements (QA/QC), matrix spike/matrix spike duplicates and duplicate samples were be collected accordance with the Field Sampling Plan (FSP) and the Quality Assurance Project Plan (QAPP). All groundwater and quality assurance/quality control (QA/QC) samples were delivered under chain-of-custody to Pace Laboratory/ Alpha Analytical of Westborough, MA, for analysis.

3.2.1 Data Usability Summary Report

A Data Usability Summary Report (DUSR) was prepared in accordance with the QAPP for all baseline and post-remedial sampling performed during the remedial action. The DUSR was prepared by a party independent from the laboratory performing the analyses, in accordance with Appendix 2B of DER-10. The qualifications of the person preparing the DUSRs was submitted to the NYSDEC project manager for approval. A copy of the DUSR is included as Appendix B.

4. Summary and Conclusions

The November 2025 groundwater monitoring event was completed between November 24 and November 25, 2025, and groundwater was collected from 13 onsite monitoring wells. The respective groundwater data generated during this post-injection sampling event was evaluated and the preliminary findings and observations noted during the initial stages of treatment are summarized below by treatment area.

Building 1

MW-16S

- CVOC concentrations have exhibited some rebound since the previous sampling events but continue to show decreasing concentrations when compared to any of the baseline sampling events preceding the first phase of the injection program.
- DHC concentration have remained high, at 1.10E+04 µg/L.

MW-2S/M/D

- This well cluster continues to show concentrations of CVOCs near and slightly above AWQSGV concentrations.
- Five injection points around the MW-2 cluster were completed during the second phase of the injection program.
- It appears that season fluctuation in groundwater elevations changes CVOC concentrations in this cluster: higher concentrations are detected in MW-2D during low water periods in the canal and higher concentrations are detected in MW-2S and MW-2M during high water periods.
- 2-butanone (also referred to as methyl ethyl ketone [MEK]) above AWQSGV was detected in MW-2M and MW-2S during this sampling event. During previous phases of injection on this Site, MEK was indicative of CVOC degradation and after temporarily increasing following an injection event it dropped down to non-detect levels. A similar pattern appears to be occurring in the MW-2S and MW-2M. It is well documented that relatively high concentrations of acetone and MEK can be created during biological and chemical treatments. These acetone and MEK intermediates are quickly attenuated and not to be a hazard outside of the treatment area.[1]
- The groundwater sample collected from MW-1S during this sampling event indicated that no VOC concentrations were above AWQSGV levels providing evidence that there is no new release at the Site.
- Concentrations of DHC in MW-2S (3.20E+02) remained high and are indicative that remediation efforts will continue for the near future.

East of Building 3

RXMW-9S

- CVOC concentrations continue to decrease in concentrations from historic highs following a period of slight rebounds in Cis-1,2-dichloroethylene and TCE.
- The geochemical data at RXMW-9S confirms that there are strong reducing conditions (i.e., low ORP, DO, etc.) that indicate the CVOC concentrations should continue to decrease with time.

[1] Troy Fowler, Bruce Thompson, and Jim Mueller, "Acetone and 2-Butanone Creation Associated with Biological and Chemical Remediation of Environmental Contamination," *Remediation: The Journal of Environmental Cleanup Costs, Technologies and Techniques* 22, no. 1 (2011): (Specific Page Number), doi.org.

- Concentrations of vinyl chloride continue to be slightly elevated from recent sampling events and indicate that CVOC breakdown is continuing to occur.
- The population of DHC has decreased since the previous sampling event and will continue to be monitored in upcoming sampling events.

MW-35M

- CVOC concentrations have dropped dramatically since the November 2024 sampling event. CVOCs concentrations continue to be below AWQSGV levels.
- The injections that were performed in the vicinity of MW-35M appear to have temporarily achieved their objective.

On Table 5 you'll find the complete historic results of VOCs in groundwater collected at this Site.

5. Future Sampling

Four performance monitoring groundwater sampling events per year will continue through at least 2026. Performance sampling will be implemented to confirm the effectiveness of the remedial action. This report summarizes the 3rd groundwater performance monitoring round since the 2nd phase of the injection program. The 4th performance sampling event being planned for May 2026.

The following 13 groundwater monitoring wells will be sampled during every quarterly performance monitoring event, if enough water is present is each well:

- MW-2S, MW-2M, MW-2D, MW-3S, MW-8S, RXMW-9S, MW-10S, MW-15S, MW-16S, MW-27S, MW-28S, MW-29S and MW-35M.

The following 7 groundwater monitoring wells to be added to the monitoring wells above and sampled during the even number performance sampling events (2nd, 4th, 6th, 8th, etc.):

- MW-5S, MW-6M, MW-6D, MW-7S, MW-11S, MW-11M and MW-11D.

Groundwater elevation data will be collected from all accessible on-Site monitoring wells during each quarterly sampling event to generate groundwater contours. Each monitoring well will be sampled for the target compound list (TCL) VOCs via USEPA Method 8260. Tentatively identified compounds (TICs) will be included in the analyses. In addition to the contaminants of concern, the groundwater samples collected will also be analyzed for performance parameters, including methane, ethane, ethene, total organic carbon, nitrate/nitrite, sulfate, and carbon dioxide.

The results of each quarterly groundwater monitoring event will be tabulated and compared to the NYSDEC AWQSGVs. The results will be summarized and submitted to NYSDEC and NYSDOH project managers. and an annual groundwater monitoring report will be prepared and submitted to the NYSDEC summarizing each year's sampling results.

TABLES

1. Summary of Volatile Organic Compounds in Groundwater
2. Summary of General Chemistry in Groundwater
3. Summary of Dehalococcoides (DHC) in Groundwater
4. Groundwater Elevation and Field Sampling Parameters
5. Summary of Historic Volatile Organic Compounds in Groundwater

Notes Utilized Throughout Tables	
Groundwater Tables	
J -	Estimated Value
U -	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit
UJ -	Analyte was not detected. The associated reported quantitation limit is an estimate
R -	Sample results rejected by validator
FD -	Duplicate
NA -	Compound was not analyzed for by laboratory
µg/L -	Micrograms per liter
NYSDEC -	New York State Department of Environmental Conservation
AWQSGVs -	Ambient Water-Quality Standards and Guidance Values
--	No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs	

Table 1. Summary of Volatile Organic Compounds in Groundwater, 1000 Turk Hill Road, Fairport, New York

		Sample Designation:	MW-1S	MW-2D	MW-2M	MW-2S	MW-3S	MW-3S	MW-8S	MW-10S
		Sample Date:	11/24/2025	11/24/2025	11/25/2025	11/25/2025	11/24/2025	11/24/2025	11/24/2025	11/24/2025
		Normal or Field Duplicate:	N	N	N	N	N	FD	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance	Unit								
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U	2.5 U	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	7.5 U	1.5 R	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	12 UJ	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	UG/L	0.5 U	0.5 U	2.5 U	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	UG/L	2 U	2 U	10 U	2 R	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.4 J
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	10 U	2 R	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 U	2.5 UJ	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	5 U	1 R	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	10 U	2 R	2 U	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	250 U	250 U	1200 UJ	250 R	250 U	250 U	250 U	250 U
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	5 U	5 U	25 U	5 R	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	UG/L	2 U	2 U	10 U	2 R	2 U	2 U	2 U	2 U
Acetone	**50**	UG/L	5 U	5.2	**880**	23 J	4.1 J	5.3	5 U	3.1 J
Acrylonitrile	5	UG/L	5 U	5 U	25 U	5 R	5 U	5 U	5 U	5 U
Benzene	1	UG/L	0.5 U	0.5 U	2.5 UJ	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	UG/L	0.5 U	0.5 U	2.5 U	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U

Table 1. Summary of Volatile Organic Compounds in Groundwater, 1000 Turk Hill Road, Fairport, New York

		Sample Designation:	MW-1S	MW-2D	MW-2M	MW-2S	MW-3S	MW-3S	MW-8S	MW-10S
		Sample Date:	11/24/2025	11/24/2025	11/25/2025	11/25/2025	11/24/2025	11/24/2025	11/24/2025	11/24/2025
		Normal or Field Duplicate:	N	N	N	N	N	FD	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance	Unit								
Bromoform	50	UG/L	2 U	2 U	10 U	2 R	2 U	2 U	2 U	2 U
Bromomethane	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
Carbon Disulfide	60	UG/L	5 U	5 U	25 UJ	5 R	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	2.5 U	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L	2.5 U	2.5 U	12 UJ	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	UG/L	2.5 U	2.5 U	12 UJ	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	**5**	UG/L	2.5 U	**10**	**27**	**7.1 J**	1.6 J	1.3 J	0.9 J	2.5 U
Cis-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	2.5 U	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U
Cymene	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	2.5 U	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	UG/L	5 U	5 U	25 U	5 R	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	25 U	5 R	5 U	5 U	5 U	5 U
Dichloroethylenes	**5**	UG/L	2.5 U	**10**	**27**	**7.1 J**	1.6 J	1.3 J	0.9 J	2.5 U
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	0.84 J
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	1.2 J
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L	5 UJ	6.7 J	**150**	**120 J**	3.5 J	3.6 J	5 UJ	5 UJ
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	25 U	5 R	5 U	5 U	5 U	5 U
Methylene Chloride	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	UG/L	2.5 U	2.5 U	12 UJ	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
N-Butylbenzene	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	1.2 J
Sec-Butylbenzene	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	0.5 U	0.5 U	2.5 U	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	0.76 J
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U	2.5 U	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U

Table 1. Summary of Volatile Organic Compounds in Groundwater, 1000 Turk Hill Road, Fairport, New York

	Sample Designation:		MW-1S	MW-2D	MW-2M	MW-2S	MW-3S	MW-3S	MW-8S	MW-10S
	Sample Date:		11/24/2025	11/24/2025	11/25/2025	11/25/2025	11/24/2025	11/24/2025	11/24/2025	11/24/2025
	Normal or Field Duplicate:		N	N	N	N	N	FD	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance	Unit								
Trans-1,2-Dichloroethene	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	2.5 U	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	2.5 U	2.5 U	12 UJ	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethylene (TCE)	**5**	UG/L	0.5 U	**7.7**	2.1 J	0.38 R	1.9	2.1	0.27 J	0.5 U
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	12 UJ	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	--	UG/L	5 U	5 U	25 UJ	5 R	5 U	5 U	5 U	5 U
Vinyl Chloride	**2**	UG/L	1 U	**10**	**31**	1.4 J	1 U	1 U	1.8	1 U
Xylenes	5	UG/L	2.5 U	2.5 U	12 U	2.5 R	2.5 U	2.5 U	2.5 U	2.4 J

Table 1. Summary of Volatile Organic Compounds in Groundwater, 1000 Turk Hill Road, Fairport, New York

		Sample Designation:	MW-16S	MW-27S	MW-28S	MW-29S	MW-35M	MW-35M	RXMW-9S
		Sample Date:	11/25/2025	11/24/2025	11/24/2025	11/24/2025	11/25/2025	11/25/2025	11/25/2025
		Normal or Field Duplicate:	N	N	N	N	N	FD	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance	Unit							
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	UG/L	0.19 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	1.4 J	1.6 J	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ
1,2-Dichloropropane	1	UG/L	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 UJ
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	250 U	250 U	250 U	250 U	250 U	250 U	250 U
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	5 UJ	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	**50**	UG/L	11	5 U	5 U	7.9	8.2 J	7.8	5.8 J
Acrylonitrile	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 1. Summary of Volatile Organic Compounds in Groundwater, 1000 Turk Hill Road, Fairport, New York

		Sample Designation:	MW-16S	MW-27S	MW-28S	MW-29S	MW-35M	MW-35M	RXMW-9S
		Sample Date:	11/25/2025	11/24/2025	11/24/2025	11/24/2025	11/25/2025	11/25/2025	11/25/2025
		Normal or Field Duplicate:	N	N	N	N	N	FD	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance	Unit							
Bromoform	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	UG/L	2.5 R	2.5 U	2.5 U	2.5 U	2.5 R	2.5 R	2.5 R
Carbon Disulfide	60	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.83 J
Chloromethane	5	UG/L	2.5 R	2.5 U	2.5 U	2.5 U	2.5 R	2.5 R	2.5 R
Cis-1,2-Dichloroethylene	**5**	UG/L	**71**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**5.7**
Cis-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cymene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichloroethylenes	**5**	UG/L	**71**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**7.3 J**
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L	3 J	5 UJ	5 UJ	5 UJ	16 J	15 J	5 UJ
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 UJ	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ
Methylene Chloride	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	UG/L	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	0.91 J	1.2 J	2.5 U
Sec-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 1. Summary of Volatile Organic Compounds in Groundwater, 1000 Turk Hill Road, Fairport, New York

		Sample Designation:	MW-16S	MW-27S	MW-28S	MW-29S	MW-35M	MW-35M	RXMW-9S
		Sample Date:	11/25/2025	11/24/2025	11/24/2025	11/24/2025	11/25/2025	11/25/2025	11/25/2025
		Normal or Field Duplicate:	N	N	N	N	N	FD	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance	Unit							
Trans-1,2-Dichloroethene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.6 J
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	2.5 R	2.5 U	2.5 U	2.5 U	2.5 R	2.5 R	2.5 R
Trichloroethylene (TCE)	**5**	UG/L	**6.8**	0.5 U	1	0.59	0.5 U	0.5 U	**9.6**
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	--	UG/L	5 R	5 U	5 U	5 U	5 R	5 R	5 R
Vinyl Chloride	**2**	UG/L	1.6	1.7	1 U	1 U	1 U	1 U	**36**
Xylenes	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	0.91 J	1.2 J	2.5 U

Table 2. Summary of General Chemistry in Groundwater, 1000 Turk Hill Road, Fairport, New York

Sample Designation:			MW-2D	MW-2M	MW-2S	MW-3S	MW-3S	MW-8S	MW-10S	MW-16S	MW-27S	MW-28S
Sample Date:			11/24/2025	11/25/2025	11/25/2025	11/24/2025	11/24/2025	11/24/2025	11/24/2025	11/25/2025	11/24/2025	11/24/2025
Normal or Field Duplicate:			N	N	N	N	FD	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance	Unit										
Nitrogen, Nitrate-Nitrite	**10000**	UG/L	350	100	400	100 U	52 J	**12000**	110	100 U	100 U	100 U
Sulfate (As SO4)	**250000**	UG/L	**500000**	11000	2600 J	100000	120000	100000	1800 J	2100 J	35000	44000
Total Organic Carbon	--	UG/L	6400	330000	1300000	7600	7300	760	5100	92000	4000	2200

Table 2. Summary of General Chemistry in Groundwater, 1000 Turk Hill Road, Fairport, New York

Sample Designation:			MW-29S	MW-35M	MW-35M	RXMW-9S
Sample Date:			11/24/2025	11/25/2025	11/25/2025	11/25/2025
Normal or Field Duplicate:			N	N	FD	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance	Unit				
Nitrogen, Nitrate-Nitrite	**10000**	UG/L	82 J	84 J	80 J	180
Sulfate (As SO4)	**250000**	UG/L	9600 J	2100 J	2100 J	**340000**
Total Organic Carbon	--	UG/L	10000	28000 J	4900 J	15000

Table 3. Summary of Dehalococcoides (DHC) in Groundwater, 1000 Turk Hill Road, Fairport, New York

		Sample Designation:	MW-2S	RXMW-9S	MW-16S	MW-35M
		Sample Date:	11/25/2025	11/25/2025	11/25/2025	11/25/2025
		Normal or Field Duplicate:	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Unit				
Dehalococcoides (DHC)	NA	UG/L	3.20E+02	8.30E+00	1.10E+04	5.10E+00

Table 4. Groundwater Elevation and Field Sampling Parameters - November 2025

Turk Hill Park, 1000 Turk Hill Road, Fairport, New York - NYSDEC Site No. 828161

Monitoring Well	Casing Elevation	Depth to Groundwater	Groundwater Elevation	ORP (mV)	Conductivity (mS/m)	Turbidity (NTU)	pH	Temperature (° F)	DO (mg/L)
MW-1S	469.69	11.55	458.14	Parameters not collected.					
MW-2S	467.27	10.65	456.62	-85	3.29	29.6	6.90	13.75	7.48
MW-2M	467.12	11.20	455.92	-127	2.27	18.1	6.83	14.26	3.90
MW-2D	467.24	10.90	456.34	-218	2.14	1.4	6.97	14.18	9.75
MW-3S	466.32	10.05	456.27	-124	1.26	2.4	7.19	14.42	6.13
MW-8S	466.90	10.50	456.40	17	4.78	0.4	6.83	14.16	8.98
RXMW-9S	470.36	9.22	461.14	-236	3.93	0.0	7.90	12.74	12.72
MW-10S	470.79	13.31	457.48	-176	3.59	14.6	8.15	11.01	14.15
MW-15S	469.20	12.80	456.40	Not sampled.					
MW-16S	468.74	9.41	459.33	-192	1.50	1.3	7.77	15.27	11.73
MW-27S	466.83	8.65	458.18	-31	1.47	7.2	6.90	13.00	9.83
MW-28S	466.98	9.81	457.17	27	2.00	4.2	7.82	10.96	12.93
MW-29S	469.55	11.63	457.92	-116	4.50	32.0	8.05	11.53	12.74
MW-35M	465.82	9.23	456.59	-113	1.50	16.3	7.99	13.66	13.36

Table 5. Summary of Historic Volatile Organic Compounds in Groundwater, 1000 Turk Hill Road, Fairport, Monroe County, New York

Sample Designation:			MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D
Sample Date:			05/09/2016	08/11/2016	11/10/2016	05/19/2017	08/11/2017	11/10/2017	07/22/2021	06/14/2022	06/05/2023	06/05/2023	08/02/2024	11/24/2025	02/01/2016	02/01/2016	02/01/2016	05/10/2016	08/11/2016	11/10/2016	02/06/2017	02/08/2017	05/18/2017	08/10/2017	11/08/2017	03/08/2018
Normal or Field Duplicate:			N	N	N	N	N	N	N	N	N	FD	N	N	N	FD	FD	N	N	N	N	FD	N	N	N	N
Test Type:																INITIAL	DILUTION1									
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Unit																								
1,1,1,2-Tetrachloroethane	5	UG/L	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane (TCA)	5	UG/L	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.8 U	0.9 U	1.8 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.9 U	0.36 U	0.36 U	0.36 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	1.3 U	0.63 U	1.3 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.63 U	0.25 U	0.25 U	0.25 U
1,1,2-Trichloroethane	1	UG/L	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.8 U	0.86 U	1.8 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.85 U	0.34 U	0.34 U	0.34 U
1,1-Dichloroethane	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	0.5 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	**5**	UG/L	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.9 U	1.7 J	2.9 U	0.57 U	0.57 U	0.57 U	1.1	1.3	1.5 U	0.57 U	0.57 U	0.57 U
1,1-Dichloropropene	5	UG/L	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	5	UG/L	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	4.1 U	2.1 U	4.1 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.1 U	0.82 U	0.82 U	0.82 U
1,2,3-Trichloropropane	0.04	UG/L	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	5	UG/L	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	2 UJ	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	UG/L	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.2 U	0.58 U	1.2 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.58 U	0.23 U	0.23 U	0.23 U
1,2,4-Trimethylbenzene	**5**	UG/L	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-Chloropropane	0.04	UG/L	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	3.7 U	1.9 U	3.7 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	1.9 U	0.74 U	0.74 U	0.74 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2 U	2 U	2 U	2 U	2 U	2 U	1.2 U	0.6 U	1.2 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.6 U	0.24 U	0.24 U	0.24 U
1,2-Dichlorobenzene	3	UG/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.1 U	0.53 U	1.1 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.53 U	0.21 U	0.21 U	0.21 U
1,2-Dichloroethane	0.6	UG/L	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.8 U	0.9 U	1.8 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.9 U	0.36 U	0.36 U	0.36 U
1,2-Dichloropropane	1	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	0.5 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropane	5	UG/L	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	0.5 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U
1,4-Diethyl Benzene	--	UG/L	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane (P-Dioxane)	0.35	UG/L	NA	NA	NA	NA	NA	NA	250 U	250 UJ	250 U	250 U	250 U	250 U	NA	NA	100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	5	UG/L	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	5	UG/L	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50	UG/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	5 U	5 U	5 U	5 U	5 U	5 U	8.3 U	4.2 U	8.3 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	4.2 U	1.7 U	1.7 U	1.7 U
4-Chlorotoluene	5	UG/L	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Ethyltoluene	--	UG/L	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	**50**	UG/L	1.4 J	4.4 J	1 U	1.3 U	1.3 U	1.5 J	2.9 J	5 U	5 U	5 U	5 U	5 U	6.2 U	3.1 U	6.2 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	4.4 J	4.3 U	1.4 J	1.3 U
Acrylonitrile	5	UG/L	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	**1**	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.4 J**	**1.4 J**	**1.6 DJ**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U
Bromobenzene	5	UG/L	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	UG/L	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.6 U	0.8 U	1.6 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.8 U	0.32 U	0.32 U	0.32 U
Bromodichloromethane	**50**	UG/L	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.5 U	0.5 U	1.4	1.4	0.5 U	0.5 U	1.6 U	0.8 U	1.6 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.8 U	0.32 U	0.32 U	0.32 U
Bromoform	50	UG/L	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	1.1 U	2.1 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	1.1 U	0.42 U	0.42 U	0.42 U
Bromomethane	5	UG/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	1.5 U	0.73 U	1.5 U	0.29 UJ	0.29 U	0.29 UJ	0.29 U	0.29 U	0.73 U	0.29 UJ	0.29 U	0.29 U
Carbon Disulfide	60	UG/L	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	5 U	5 U	5 U	5 U	5 U	5 U	1.1 U	0.55 U	1.1 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.55 U	0.22 U	0.22 U	0.22 U
Carbon Tetrachloride	5	UG/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.3 U	1.2 U	2.3 U	0.45 UJ	0.45 U	0.45 U	0.45 U	0.45 U	1.2 U	0.45 U	0.45 U	0.45 U
Chlorobenzene	5	UG/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.5 U	0.73 U	1.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.73 U	0.29 U	0.29 U	0.29 U
Chloroethane	5	UG/L	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.2 U	0.6 U	1.2 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.6 U	0.24 U	0.24 U	0.24 U
Chloroform	**7**	UG/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	2.5 U	2.5 U	4.4	4	2.5 U	2.5 U	1.3 U	0.63 U	1.3 U	0.25 U	0.25 U	0.25 U	0.31 J	0.25 J	0.63 U	0.25 U	0.25 U	0.25 U
Chloromethane	5	UG/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.1 U	0.53 U	1.1 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.53 U	0.21 U	0.21 U	0.21 U
Cis-1,2-Dichloroethylene	**5**	UG/L	0.3 U	2.8	0.43 J	0.3 U	0.3 U	0.3 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**570**	**580**	**580 D**	**30**	**54**	**84**	**410 D**	**460 D**	**380**	**190**	**90**	**11**
Cis-1,3-Dichloropropene	--	UG/L	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2 U	0.6 U	1.2 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.6 U	0.24 U	0.24 U	0.24 U
Cyclohexane	--	UG/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	NA	NA	NA	NA	NA	NA	1.3 U	0.63 U	1.3 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.63 U	0.25 U	0.25 U	0.25 U
Cymene	5	UG/L	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	UG/L	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.6 U	0.78 U	1.6 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.78 U	0.31 U	0.31 U	0.31 U
Dibromomethane	5	UG/L	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	5	UG/L	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	5 U	5 U	5 U	5 U	5 U	5 U	2.4 U	1.2 U	2.4 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	1.2 U	0.46 U	0.46 U	0.46 U
Dichloroethylenes	**5**	UG/L	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl Ether (Ethyl Ether)	--	UG/L	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	0.5 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene	0.5	UG/L	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene (Cumene)	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	0.5 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U
m,p-Xylene	5	UG/L	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M,P-Xylene (Sum Of Isomers)	5	UG/L	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	NA	NA	NA	NA	NA	NA	1.7 U	0.83 U	1.7 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.83 U	0.33 U	0.33 U	0.33 U
Methane	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	--	UG/L	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	NA	NA	NA	NA	NA	NA	2.2 U	1.1 U	2.2 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	1.1 U	0.43 U	0.43 U	0.43 U
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	5 U	5 U	5 UJ	5 UJ	5 U	5 UJ	4.1 U	2.1 U	4.1 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.1 U	0.81 U	0.81 U	0.81 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	5 U	5 U	5 U	5 U	5 UJ	5 U	3.4 U	1.7 U	3.4 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	1.7 U	0.67 U	0.67 U	0.67 U
Methylcyclohexane	--	UG/L	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	NA	NA	NA	NA	NA	NA	1.4 U	0.68 U	1.4 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.68 U	0.27 U	0.27 U	0.27 U
Methylene Chloride	**5**	UG/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	3 U	1.5 U	3 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	1.5 U	0.6 U	0.6 U	0.6 U
Naphthalene	10	UG/L	NA	NA	NA	NA	NA	NA	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Butylbenzene	5	UG/L	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Propylbenzene	5	UG/L	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-Xylene (1,2-Dimethylbenzene)	**5**	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	0.5 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U
Sec-Butylbenzene	5	UG/L	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	0.5 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U
T-Butylbenzene	5	UG/L	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tert-Butyl Methyl Ether	10	UG/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.5 U	0.73 U	1.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.73 U	0.29 U	0.29 U	0.29 U
Tetrachloroethylene (PCE)	5	UG/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.75 U	1.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.75 U	0.3 U	0.3 U	0.3 U
Toluene	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	0.5 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	NA	NA	NA	NA	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trans-1,2-Dichloroethene	**5**	UG/L	0.33 U	0.67 J	0.33 U	0.33 U	0.33 U	0.33 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**5.9**	**9.9**	**6.4 D**	0.38 J	1.7	3	**12**	**14**	1.4 J	0.99 J	1.3	0.33 U
Trans-1,3-Dichloropropene	--	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	1 U	0.5 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethylene (TCE)	**5**	UG/L	0.99 J	2	0.76 J	0.49 J	1.1	0.91 J	0.3 J	0.5 U	0.23 J	0.33 J	0.37 J	0.5 U	**24**	**26**	**26 D**	**15**	**30**	**35**	**45**	**44**	**64**	**44**	**38**	**45**
Trichlorofluoromethane	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	0.5 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U
Vinyl Acetate	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	**2**	UG/L	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	1 U	1 U	1 U	1 U	1 U	1 U	**2.4 J**	**2.2 J**	2 DJ	0.32 U	0.69 J	1.4	2	**2.2**	0.8 U	0.32 U	0.32 U	0.32 U
Xylenes	**5**	UG/L	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 5. Summary of Historic Volatile Organic Compounds in Groundwater, 1000 Turk Hill Road, Fairport, Monroe County, New York

Sample Designation:			MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2M	MW-2M	MW-2M	MW-2M	MW-2M	MW-2M	MW-2M	MW-2M	MW-2M	MW-2M	MW-2M	MW-2M	MW-2M	MW-2M
Sample Date:			07/22/2021	06/14/2022	06/07/2023	08/02/2024	11/11/2024	04/22/2025	08/01/2025	09/22/2025	11/24/2025	02/01/2016	05/10/2016	05/10/2016	08/11/2016	11/10/2016	11/10/2016	02/06/2017	05/19/2017	08/10/2017	11/10/2017	03/07/2018	07/22/2021	06/14/2022	06/07/2023
Normal or Field Duplicate:			N	N	N	N	N	N	N	N	N	N	N	FD	N	N	FD	N	N	N	N	N	N	N	N	N
Test Type:																										
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Unit																								
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	10 U	0.5 UJ	0.5 U	0.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	30 U	1.5 U	1.5 U	1.5 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	**5**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	50 U	2.5 UJ	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	UG/L	2 U	2 U	2 U	2 UJ	2 U	40 U	2 UJ	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	0.23 U	0.23 U	0.3 J	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	2 U	2 U	2 U	40 U	2 U	2 U	2 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.25 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	2 U	2 U	2 U	40 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	250 U	250 UJ	250 UJ	250 U	250 U	5000 U	250 U	250 UJ	250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250 U	250 UJ	250 UJ
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	5 U	5 U	5 U	5 U	5 U	100 U	5 UJ	5 U	5 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	5 U	5 U	5 U
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 UJ	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	UG/L	2 U	2 U	2 U	2 U	2 U	40 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U
Acetone	**50**	UG/L	5 U	5 U	5 U	5 U	5 U	100 U	14	44 J	5.2	1.3 U	1.6 J	1.3 U	1.6 J	1.3 U	1.3 U	1.3 U	1.9 J	1.7 U	1.3 U	1.3 U	5 U	5 U	5 U	5 U
Acrylonitrile	5	UG/L	5 U	5 U	5 U	5 U	5 U	100 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U
Benzene	**1**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	**50**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.5 U	0.5 U	0.5 U
Bromoform	50	UG/L	2 U	2 U	2 U	2 U	2 U	40 U	2 U	2 U	2 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	2 U	2 U	2 U
Bromomethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 R	50 U	2.5 U	2.5 UJ	2.5 U	0.29 U	0.29 UJ	0.29 UJ	0.29 U	0.29 UJ	0.29 UJ	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U
Carbon Disulfide	60	UG/L	5 U	5 U	5 U	5 U	5 U	100 U	5 U	5 U	5 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	5 U	5 U	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.45 U	0.45 UJ	0.45 UJ	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2.5 U	2.5 U	2.5 U
Chloroform	**7**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	0.55 J	0.25 U	0.25 U	0.25 U	0.25 U	0.71 J	0.25 U	0.25 U	0.25 U	0.44 J	0.25 U	0.25 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R	50 U	2.5 U	2.5 U	2.5 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.42 J	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	**5**	UG/L	**9**	**14**	2.5	3	3.8 J	**2500**	**12**	**38 J**	**10**	**39**	**10**	**9.6**	**29**	**44**	**44**	**30**	**9.8**	**23**	**50**	**55**	**9.2**	**6.6**	**8.2**
Cis-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.5 U	0.5 U	0.5 U
Cyclohexane	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	NA	NA	NA
Cymene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	100 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	100 U	5 U	5 U	5 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	5 U	5 U	5 U
Dichloroethylenes	**5**	UG/L	**9**	**14**	2.5	3	3.8	**2500 J**	**12**	**39 J**	**10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10 J**	**6.6**	**8.2**
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
M,P-Xylene (Sum Of Isomers)	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	NA	NA	NA
Methane	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	NA	NA	NA
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L	5 U	5 U	5 U	5 U	5 U	100 U	7.7	40	6.7 J	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	5 U	5 UJ	5 U	100 U	5 U	5 U	5 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	5 U	5 U	5 U
Methylcyclohexane	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	NA	NA	NA
Methylene Chloride	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	UG/L	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	50 U	2.5 UJ	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 UJ
N-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.5 U	0.5 U
Toluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.28 J	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**24 J**	2.5 U	0.72 J	2.5 U	0.55 J	0.38 J	0.33 U	1.2	4.1	3.9	0.7 J	0.4 J	0.74 J	1.1	0.85 J	0.78 J	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	2.5 UJ	2.5 U	2.5 UJ	2.5 U	2.5 U	50 U	2.5 U	2.5 UJ	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 UJ	2.5 U	2.5 U
Trichloroethylene (TCE)	**5**	UG/L	**32**	**31**	**39**	**22**	**23**	**300**	**6.2**	0.5 U	**7.7**	**170**	**47**	**46**	**65**	**65**	**63**	**74**	**31**	**82**	**140**	**710**	**54**	**25**	**69**
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	50 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	--	UG/L	5 U	5 U	5 U	5 U	5 U	100 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U
Vinyl Chloride	**2**	UG/L	1 U	1 U	1 U	1 U	1 UJ	**13 J**	1 U	**7.3 J**	**10**	0.32 U	0.32 U	0.32 U	0.63 J	**2.2**	2	0.32 U	0.32 U	0.55 J	0.53 J	0.84 J	0.21 J	0.18 J	0.26 J	
Xylenes	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U

Table 5. Summary of Historic Volatile Organic Compounds in Groundwater, 1000 Turk Hill Road, Fairport, Monroe County, New York

Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Unit	MW-2M 08/02/2024 N	MW-2M 08/02/2024 FD	MW-2M 11/11/2024 N	MW-2M 04/22/2025 N	MW-2M 07/31/2025 N	MW-2M 09/22/2025 N	MW-2M 09/22/2025 FD	MW-2M 11/25/2025 N	MW-2S 05/10/2016 N	MW-2S 08/11/2016 N	MW-2S 11/10/2016 N	MW-2S 05/19/2017 N	MW-2S 08/10/2017 N	MW-2S 11/10/2017 N	MW-2S 07/22/2021 N	MW-2S 06/14/2022 N	MW-2S 06/07/2023 N	MW-2S 08/02/2024 N	MW-2S 11/12/2024 N	MW-2S 04/22/2025 N	MW-2S 07/31/2025 N	MW-2S 09/23/2025 N	MW-2S 11/25/2025 N
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 R
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.5 U	1.5 U	7.5 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 R
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
1,1-Dichloroethene	**5**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.24 J	0.84 J	0.5 U	2.5 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 R
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
1,2,3-Trichloropropane	0.04	UG/L	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
1,2,4,5-Tetramethylbenzene	5	UG/L	2 UJ	2 UJ	2 U	2 U	2 U	10 U	2 U	10 U	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U	2 R
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
1,2,4-Trimethylbenzene	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	2 U	2 U	2 U	10 U	2 U	10 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 R
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	2.5 UJ	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 R
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U	1 U	1 U	5 U	1 U	5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 R
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	2 U	2 U	2 U	10 U	2 U	10 U	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 R
1,4-Dioxane (P-Dioxane)	0.35	UG/L	250 U	250 U	250 U	250 U	250 UJ	1200 UJ	250 UJ	1200 UJ	NA	NA	NA	NA	NA	NA	250 U	250 UJ	250 UJ	250 U	250 U	250 U	250 UJ	250 U	250 R
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
2-Hexanone	50	UG/L	5 U	5 U	5 U	5 U	5 UJ	25 U	5 U	25 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 UJ	5 U	5 R
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
4-Ethyltoluene	--	UG/L	2 U	2 U	2 U	2 U	2 U	10 U	2 U	10 U	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 R
Acetone	**50**	UG/L	5 U	5 U	5 UJ	3.2 J	**54**	**190 J**	19 J	**880**	3.2 J	2.2 J	1.3 U	1.3 U	1.6 U	1.9 J	5 U	5 U	5 U	3.7 J	**110**	**74 J**	23 J		
Acrylonitrile	5	UG/L	5 U	5 U	5 U	5 U	5 U	25 U	5 U	25 U	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 R
Benzene	**1**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	2.5 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 R
Bromobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
Bromochloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
Bromodichloromethane	**50**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	2.5 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 R
Bromoform	50	UG/L	2 U	2 U	2 U	2 U	2 U	10 U	2 U	10 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 R
Bromomethane	5	UG/L	2.5 UJ	2.5 UJ	2.5 R	2.5 U	2.5 U	12 UJ	2.5 UJ	12 U	0.29 UJ	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 R
Carbon Disulfide	60	UG/L	5 U	5 U	5 U	5 U	5 U	25 U	5 U	25 UJ	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 R
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	2.5 U	0.45 UJ	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 R
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
Chloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 UJ	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 R
Chloroform	**7**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
Chloromethane	5	UG/L	2.5 U	2.5 U	2.5 R	2.5 U	2.5 U	12 U	2.5 U	12 UJ	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 R
Cis-1,2-Dichloroethylene	**5**	UG/L	**7.8**	**7.8**	**22 J**	3	**13**	**76 J**	2.5 U	**27**	1.9	**14**	**12**	2.7	**8.3**	**33**	2.8	3.4	3.2	**5.3**	0.92 J	2.5 U	**28**	**14**	**7.1 J**
Cis-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	2.5 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 R
Cyclohexane	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	2.5 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 R
Dibromomethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	25 U	5 U	25 U	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 R
Dichlorodifluoromethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	25 U	5 U	25 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 R
Dichloroethylenes	**5**	UG/L	**7.8**	**7.8**	**23 J**	3	**13**	**76 J**	2.5 U	**27**	NA	NA	NA	NA	NA	NA	2.8	3.4	3.2	**5.3**	0.92 J	2.5 U	**28**	**15 J**	**7.1 J**
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
Isopropylbenzene (Cumene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
m,p-Xylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
M,P-Xylene (Sum Of Isomers)	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L	5 U	5 U	5 U	5 U	8	**400 J**	5 U	**150**	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	5 U	5 U	5 U	5 U	5 UJ	5 U	**76**	38	**120 J**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 UJ	5 UJ	5 U	5 U	5 UJ	25 U	5 U	25 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 UJ	5 U	5 R
Methylcyclohexane	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
Naphthalene	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 UJ	NA	NA	NA	NA	NA	NA	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
N-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
N-Propylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
O-Xylene (1,2-Dimethylbenzene)	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
Sec-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
Styrene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
T-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
Tert-Butyl Methyl Ether	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
Tetrachloroethylene (PCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	2.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 R
Toluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	0.2 U	0.2 U	0.23 J	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	2.5 U	NA	NA	NA	NA	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 R
Trans-1,2-Dichloroethene	**5**	UG/L	2.5 U	2.5 U	0.74 J	2.5 U	2.5 U	12 U	2.5 U	12 U	0.33 U	0.64 J	0.89 J	0.33 U	0.41 J	0.44 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.1 J	2.5 R
Trans-1,3-Dichloropropene	--	UG/L	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 R
Trans-1,4-Dichloro-2-Butene	5	UG/L	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	12 U	2.5 U	12 UJ	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 R
Trichloroethylene (TCE)	**5**	UG/L	**38**	**39**	**54**	**32**	**19**	**7.7 J**	1.4 J	2.1 J	**5.1**	**23**	**11**	4.5	**27**	**100**	**15**	**12**	**25**	**17**	0.66	0.23 J	**6.5**	0.5 U	0.38 R
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	12 U	2.5 U	12 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R
Vinyl Acetate	--	UG/L	5 U	5 U	5 U	5 U	5 UJ	25 U	5 U	25 UJ	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 R
Vinyl Chloride	**2**	UG/L	0.29 J	0.3 J	1.2 J	1 U	0.91 J	**9.4 J**	1 UJ	**31**	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.39 J	1 U	1 U	1 U	1 U	1 U	1 U	0.35 J	**37**	1.4 J
Xylenes	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R

Table 5. Summary of Historic Volatile Organic Compounds in Groundwater, 1000 Turk Hill Road, Fairport, Monroe County, New York

Sample Designation:			MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S
Sample Date:			02/03/2016	05/09/2016	08/10/2016	11/09/2016	05/18/2017	08/10/2017	11/09/2017	07/22/2021	06/14/2022	06/05/2023	08/02/2024	11/11/2024	04/22/2025	08/01/2025	09/22/2025	11/24/2025	11/24/2025	02/03/2016	05/11/2016	08/10/2016	11/09/2016	05/18/2017	08/09/2017
Normal or Field Duplicate:			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
Test Type:																									
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Unit																							
1,1,1,2-Tetrachloroethane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane (TCA)	5	UG/L	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1,2-Trichloroethane	1	UG/L	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,1-Dichloroethane	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	**5**	UG/L	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
1,1-Dichloropropene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	5	UG/L	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
1,2,3-Trichloropropane	0.04	UG/L	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 UJ	2 U	2 U	2 UJ	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	UG/L	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
1,2,4-Trimethylbenzene	**5**	UG/L	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-Chloropropane	0.04	UG/L	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
1,2-Dichlorobenzene	3	UG/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
1,2-Dichloroethane	0.6	UG/L	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
1,2-Dichloropropane	1	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Diethyl Benzene	--	UG/L	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA
1,4-Dioxane (P-Dioxane)	0.35	UG/L	NA	NA	NA	NA	NA	NA	NA	250 U	250 UJ	250 U	250 U	250 U	250 U	250 U	250 UJ	250 U	250 U	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA
2-Hexanone	50	UG/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
4-Chlorotoluene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA
4-Ethyltoluene	--	UG/L	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA
Acetone	**50**	UG/L	1.9 J	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	5 U	5 U	5 U	5 U	5 U	2.2 J	23	4.1 J	5.3	3.1 J	1.5 J	1.3 U	1.3 U	1.6 J	1.6 U
Acrylonitrile	5	UG/L	NA	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA
Benzene	**1**	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromobenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	UG/L	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Bromodichloromethane	**50**	UG/L	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Bromoform	50	UG/L	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U
Bromomethane	5	UG/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 R	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Carbon Disulfide	60	UG/L	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Carbon Tetrachloride	5	UG/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Chlorobenzene	5	UG/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Chloroethane	5	UG/L	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Chloroform	**7**	UG/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Chloromethane	5	UG/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Cis-1,2-Dichloroethylene	**5**	UG/L	0.31 J	0.3 U	**5.2**	0.3 U	0.3 U	0.59 J	0.63 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.85 J	1.6 J	1.3 J	0.3 U	0.3 U	2.9	0.3 U	0.3 U	0.41 J
Cis-1,3-Dichloropropene	--	UG/L	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Cyclohexane	--	UG/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Cymene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	UG/L	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Dibromomethane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	5	UG/L	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Dichloroethylenes	**5**	UG/L	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.85 J	1.6 J	1.3 J	NA	NA	NA	NA	NA	NA
Diethyl Ether (Ethyl Ether)	--	UG/L	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene	0.5	UG/L	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA
Isopropylbenzene (Cumene)	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA
M,P-Xylene (Sum Of Isomers)	5	UG/L	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Methane	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	--	UG/L	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	5 U	5 U	5 U	5 UJ	5 U	5 U	22	27	3.5 J	3.6 J	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Methylcyclohexane	--	UG/L	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
Methylene Chloride	**5**	UG/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Naphthalene	10	UG/L	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA
N-Butylbenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA
N-Propylbenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA
O-Xylene (1,2-Dimethylbenzene)	**5**	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sec-Butylbenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA
Styrene	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
T-Butylbenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA
Tert-Butyl Methyl Ether	10	UG/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Tetrachloroethylene (PCE)	5	UG/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Toluene	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	NA	NA	NA	NA	NA	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA
Trans-1,2-Dichloroethene	**5**	UG/L	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Trans-1,3-Dichloropropene	--	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA
Trichloroethylene (TCE)	**5**	UG/L	0.28 J	0.35 J	0.98 J	0.44 J	0.63 J	1.3	**6.3**	1.5	0.66	**5.1**	1.1	**5.6**	0.5 U	1.8	0.74	1.9	2.1	0.22 U	0.22 U	0.74 J	0.22 U	0.25 J	0.22 U
Trichlorofluoromethane	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Acetate	--	UG/L	NA	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA
Vinyl Chloride	**2**	UG/L	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 U	1 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Xylenes	**5**	UG/L	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA

Table 5. Summary of Historic Volatile Organic Compounds in Groundwater, 1000 Turk Hill Road, Fairport, Monroe County, New York

Sample Designation:			MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-6D
Sample Date:			11/09/2017	03/07/2018	03/07/2018	07/20/2021	06/16/2022	06/05/2023	07/31/2024	02/02/2016	05/11/2016	08/09/2016	11/09/2016	02/06/2017	05/18/2017	08/09/2017	11/09/2017	03/06/2018	07/20/2021	06/14/2022	06/06/2023	08/02/2024	04/22/2025	09/22/2025	02/01/2016
Normal or Field Duplicate:			N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Test Type:																									INITIAL
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Unit																							
1,1,1,2-Tetrachloroethane	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
1,1,1-Trichloroethane (TCA)	5	UG/L	0.36 U	0.36 U	0.36 U	2.5 U	2.5 U	2.5 U	2.5 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.72 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.25 U	0.25 U	0.25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	0.34 U	0.34 U	0.34 U	1.5 U	1.5 U	1.5 U	1.5 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.68 U
1,1-Dichloroethane	5	UG/L	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.4 U
1,1-Dichloroethene	**5**	UG/L	0.57 U	0.57 U	0.57 U	0.5 U	0.5 U	0.5 U	0.5 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.7 J
1,1-Dichloropropene	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
1,2,3-Trichlorobenzene	5	UG/L	0.82 U	0.82 U	0.82 U	2.5 U	2.5 U	2.5 U	2.5 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.7 U
1,2,3-Trichloropropane	0.04	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	NA
1,2,4,5-Tetramethylbenzene	5	UG/L	NA	NA	NA	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 UJ	2 U	2 U	NA
1,2,4-Trichlorobenzene	5	UG/L	0.23 U	0.23 U	0.34 J	2.5 U	2.5 U	2.5 U	2.5 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.46 U
1,2,4-Trimethylbenzene	**5**	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
1,2-Dibromo-3-Chloropropane	0.04	UG/L	0.74 U	0.74 U	0.74 U	2.5 U	2.5 U	2.5 U	2.5 UJ	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	1.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	0.24 U	0.24 U	0.24 U	2 U	2 U	2 U	2 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2 U	2 U	2 U	2 U	2 U	2 U	0.48 U
1,2-Dichlorobenzene	3	UG/L	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.42 U
1,2-Dichloroethane	0.6	UG/L	0.36 U	0.36 U	0.36 U	0.5 U	0.5 U	0.5 U	0.5 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.72 U
1,2-Dichloropropane	1	UG/L	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U	1 U	1 U	1 U	0.4 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
1,3-Dichlorobenzene	3	UG/L	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.4 U
1,3-Dichloropropane	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
1,4-Dichlorobenzene	3	UG/L	0.2 U	0.2 U	0.22 J	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.4 U
1,4-Diethyl Benzene	--	UG/L	NA	NA	NA	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	NA
1,4-Dioxane (P-Dioxane)	0.35	UG/L	NA	NA	NA	250 U	250 U	250 U	250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	250 U	250 UJ	250 U	250 U	250 U	250 UJ	NA
2,2-Dichloropropane	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
2-Chlorotoluene	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
2-Hexanone	50	UG/L	1.7 U	1.7 U	1.7 U	5 U	5 U	5 U	5 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	5 U	5 U	5 UJ	5 U	5 U	5 U	3.4 U
4-Chlorotoluene	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
4-Ethyltoluene	--	UG/L	NA	NA	NA	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	NA
Acetone	**50**	UG/L	2.4 J	2.3 U	2.7 U	5 U	5 U	5 U	5 U	1.3 U	1.3 U	4.6 U	1.3 U	1.3 U	2 J	1.3 U	1.7 U	5 U	5 U	5 U	5 U	3.8 J	8.4	2.7 J	
Acrylonitrile	5	UG/L	NA	NA	NA	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	NA
Benzene	**1**	UG/L	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
Bromobenzene	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
Bromochloromethane	5	UG/L	0.32 U	0.32 U	0.32 U	2.5 U	2.5 U	2.5 U	2.5 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.64 U
Bromodichloromethane	**50**	UG/L	0.32 U	0.32 U	0.32 U	0.5 U	0.5 U	0.5 U	0.5 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.64 U
Bromoform	50	UG/L	0.42 U	0.42 U	0.42 U	2 U	2 U	2 U	2 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	2 U	2 U	2 U	2 U	2 U	2 U	0.84 U
Bromomethane	5	UG/L	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 UJ	0.29 U	0.29 U	0.29 UJ	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 UJ	0.58 U
Carbon Disulfide	60	UG/L	0.22 U	0.22 U	0.22 U	5 U	5 U	5 U	5 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	5 U	5 U	5 U	5 U	5 U	5 U	0.44 U
Carbon Tetrachloride	5	UG/L	0.45 U	0.45 U	0.45 U	0.5 U	0.5 U	0.5 U	0.5 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9 U
Chlorobenzene	5	UG/L	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.58 U
Chloroethane	5	UG/L	0.24 U	0.24 U	0.24 U	2.5 U	2.5 U	2.5 U	2.5 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.48 U
Chloroform	**7**	UG/L	0.25 U	0.25 U	0.25 U	2.5 U	2.5 U	2.5 U	2.5 U	0.27 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.5 U
Chloromethane	5	UG/L	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.42 U
Cis-1,2-Dichloroethylene	**5**	UG/L	0.3 U	0.3 U	0.3 U	2.5 U	2.5 U	2.5 U	2.5 U	1.1	0.3 U	**91**	0.42 J	1.3	0.3 U	0.3 U	0.5 J	0.84 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.81 J	**760**
Cis-1,3-Dichloropropene	--	UG/L	0.24 U	0.24 U	0.24 U	0.5 U	0.5 U	0.5 U	0.5 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.48 U
Cyclohexane	--	UG/L	0.25 U	0.25 U	0.25 U	NA	NA	NA	NA	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	NA	NA	NA	NA	NA	NA	0.5 U
Cymene	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
Dibromochloromethane	50	UG/L	0.31 U	0.31 U	0.31 U	0.5 U	0.5 U	0.5 U	0.5 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.62 U
Dibromomethane	5	UG/L	NA	NA	NA	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	NA
Dichlorodifluoromethane	5	UG/L	0.46 U	0.46 U	0.46 U	5 U	5 U	5 U	5 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	5 U	5 U	5 U	5 U	5 U	5 U	0.92 U
Dichloroethylenes	**5**	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.81 J	NA
Diethyl Ether (Ethyl Ether)	--	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
Ethylbenzene	5	UG/L	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.4 U
Hexachlorobutadiene	0.5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
Isopropylbenzene (Cumene)	5	UG/L	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.4 U
m,p-Xylene	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
M,P-Xylene (Sum Of Isomers)	5	UG/L	0.33 U	0.33 U	0.33 U	NA	NA	NA	NA	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	NA	NA	NA	NA	NA	NA	0.66 U
Methane	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	--	UG/L	0.43 U	0.43 U	0.43 U	NA	NA	NA	NA	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	NA	NA	NA	NA	NA	NA	0.86 U
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L	0.81 U	0.81 U	0.81 U	5 U	5 U	5 UJ	5 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	5 U	5 U	5 UJ	5 U	5 U	5 U	1.7 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	0.67 U	0.67 U	0.67 U	5 U	5 U	5 U	5 UJ	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	5 U	5 U	5 UJ	5 UJ	5 U	5 U	1.4 U
Methylcyclohexane	--	UG/L	0.27 U	0.27 U	0.27 U	NA	NA	NA	NA	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	NA	NA	NA	NA	NA	NA	0.54 U
Methylene Chloride	**5**	UG/L	0.6 U	0.6 U	0.6 U	2.5 U	2.5 U	2.5 U	2.5 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.2 U
Naphthalene	10	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
N-Butylbenzene	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
N-Propylbenzene	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
O-Xylene (1,2-Dimethylbenzene)	**5**	UG/L	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.4 U
Sec-Butylbenzene	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
Styrene	5	UG/L	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.4 U
T-Butylbenzene	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
Tert-Butyl Methyl Ether	10	UG/L	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.58 U
Tetrachloroethylene (PCE)	5	UG/L	0.3 U	0.3 U	0.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6 U
Toluene	5	UG/L	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.25 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.4 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	NA	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA
Trans-1,2-Dichloroethene	**5**	UG/L	0.33 U	0.33 U	0.33 U	2.5 U	2.5 U	2.5 U	2.5 U	0.33 U	0.33 U	0.52 J	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**30**
Trans-1,3-Dichloropropene	--	UG/L	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.4 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
Trichloroethylene (TCE)	**5**	UG/L	0.22 U	0.22 U	0.22 U	0.5 U	0.19 J	0.5 U	0.5 U	**18**	2.2	3.2	3.2	**20**	2.1	4.2	**9.7**	**19**	0.97	1	**8.4**	2.2	**9.5**	0.81	**98**
Trichlorofluoromethane	5	UG/L	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.4 U
Vinyl Acetate	--	UG/L	NA	NA	NA	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	NA
Vinyl Chloride	**2**	UG/L	0.32 U	0.32 U	0.32 U	1 U	1 U	1 U	1 U	0.32 U	0.32 U	**6.2**	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	1 U	1 U	1 U	1 U	1 U	1 U	**11**
Xylenes	**5**	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA

Table 5. Summary of Historic Volatile Organic Compounds in Groundwater, 1000 Turk Hill Road, Fairport, Monroe County, New York

Sample Designation:			MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6M	MW-6M	MW-6M	MW-6M	MW-6M	MW-6M
Sample Date:			02/01/2016	05/09/2016	08/10/2016	08/10/2016	11/08/2016	02/08/2017	05/16/2017	05/16/2017	08/10/2017	11/08/2017	03/06/2018	07/20/2021	06/14/2022	06/06/2023	08/01/2024	04/23/2025	09/22/2025	02/01/2016	05/09/2016	08/10/2016	11/08/2016	02/07/2017	05/16/2017
Normal or Field Duplicate:			N	N	N	FD	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Test Type:			DILUTION1																						
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Unit																							
1,1,1,2-Tetrachloroethane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane (TCA)	5	UG/L	1.8 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
1,1,2,2-Tetrachloroethane	5	UG/L	1.3 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1,2-Trichloroethane	1	UG/L	1.8 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	1.5 U	1.5 U	1.5 U	1.5 U	6 U	1.5 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,1-Dichloroethane	5	UG/L	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	**5**	UG/L	2.9 U	0.57 U	0.57 U	0.57 U	0.57 U	0.77 J	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8 J	0.5 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
1,1-Dichloropropene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	5	UG/L	4.1 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
1,2,3-Trichloropropane	0.04	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	8 U	2 U	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	UG/L	1.2 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
1,2,4-Trimethylbenzene	**5**	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-Chloropropane	0.04	UG/L	3.7 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	2.5 U	2.5 U	2.5 UJ	2.5 U	10 U	2.5 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	1.2 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2 U	2 U	2 U	2 U	8 U	2 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
1,2-Dichlorobenzene	3	UG/L	1.1 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
1,2-Dichloroethane	0.6	UG/L	1.8 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
1,2-Dichloropropane	1	UG/L	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U	1 U	4 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	UG/L	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	UG/L	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Diethyl Benzene	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	8 U	2 U	NA	NA	NA	NA	NA	NA
1,4-Dioxane (P-Dioxane)	0.35	UG/L	100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250 U	250 UJ	250 U	250 UJ	1000 U	250 UJ	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	NA	NA	NA
2-Hexanone	50	UG/L	8.3 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	5 U	5 U	5 UJ	5 UJ	20 U	5 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
4-Chlorotoluene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	NA	NA	NA
4-Ethyltoluene	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	8 U	2 U	NA	NA	NA	NA	NA	NA
Acetone	**50**	UG/L	6.2 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.9 U	1.3 U	1.3 U	5 U	5 U	5 U	5 U	20 U	10	1.5 J	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Acrylonitrile	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	20 U	5 U	NA	NA	NA	NA	NA	NA
Benzene	**1**	UG/L	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromobenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	UG/L	1.6 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Bromodichloromethane	**50**	UG/L	1.6 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.5 U	0.5 U	0.5 U	0.5 UJ	2 U	0.5 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Bromoform	50	UG/L	2.1 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	2 U	2 U	2 U	2 U	8 U	2 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U
Bromomethane	5	UG/L	1.5 U	0.29 U	0.29 U	0.29 UJ	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 UJ	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Carbon Disulfide	60	UG/L	1.1 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	5 U	5 U	5 U	5 UJ	20 U	5 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Carbon Tetrachloride	5	UG/L	2.3 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Chlorobenzene	5	UG/L	1.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Chloroethane	5	UG/L	1.2 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2.5 U	2.5 U	2.5 U	2.5 UJ	10 U	2.5 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Chloroform	**7**	UG/L	1.3 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.38 J	0.28 J	0.25 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Chloromethane	5	UG/L	1.1 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 UJ	10 U	2.5 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Cis-1,2-Dichloroethylene	**5**	UG/L	**760 D**	**93**	**14**	**14**	**7.1**	**220 D**	**35**	**35**	2.6	2.2	**17**	2.5 U	0.83 J	2.5 U	1.7 J	**410**	2.5 U	**12**	0.36 J	1.9	0.51 J	1.8	0.75 J
Cis-1,3-Dichloropropene	--	UG/L	1.2 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Cyclohexane	--	UG/L	1.3 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	NA	NA	NA	NA	NA	NA	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Cymene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	UG/L	1.6 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Dibromomethane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	20 U	5 U	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	5	UG/L	2.4 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	5 U	5 U	5 U	5 U	20 U	5 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Dichloroethylenes	**5**	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	0.83 J	2.5 U	1.7 J	**410**	2.5 U	NA	NA	NA	NA	NA	NA
Diethyl Ether (Ethyl Ether)	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	UG/L	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene	0.5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	NA	NA	NA
Isopropylbenzene (Cumene)	5	UG/L	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	NA	NA	NA
M,P-Xylene (Sum Of Isomers)	5	UG/L	1.7 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	NA	NA	NA	NA	NA	NA	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Methane	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	--	UG/L	2.2 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	NA	NA	NA	NA	NA	NA	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L	4.1 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	5 U	5 U	5 UJ	5 U	20 U	5 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	3.4 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	5 U	5 U	5 UJ	5 UJ	20 U	5 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Methylcyclohexane	--	UG/L	1.4 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	NA	NA	NA	NA	NA	NA	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
Methylene Chloride	**5**	UG/L	3 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Naphthalene	10	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 UJ	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	NA	NA	NA
N-Butylbenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	NA	NA	NA
N-Propylbenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	NA	NA	NA
O-Xylene (1,2-Dimethylbenzene)	**5**	UG/L	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sec-Butylbenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	NA	NA	NA
Styrene	5	UG/L	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
T-Butylbenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	NA	NA	NA
Tert-Butyl Methyl Ether	10	UG/L	1.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Tetrachloroethylene (PCE)	5	UG/L	1.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Toluene	5	UG/L	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	NA	NA	NA	NA	NA	NA
Trans-1,2-Dichloroethene	**5**	UG/L	**11 D**	1.3	0.33 U	0.33 U	0.33 U	1.5	0.44 J	0.43 J	0.33 U	0.33 U	0.33 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Trans-1,3-Dichloropropene	--	UG/L	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 UJ	2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 R	10 U	2.5 U	NA	NA	NA	NA	NA	NA
Trichloroethylene (TCE)	**5**	UG/L	**98 D**	**40**	**24**	**24**	**26**	**55**	**30**	**30**	**19**	**20**	**21**	**14**	**15**	**12**	**15**	**41**	**11**	**16**	1.4	4.8	**5.4**	**18**	**5.2**
Trichlorofluoromethane	5	UG/L	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 UJ	10 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Acetate	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	20 U	5 U	NA	NA	NA	NA	NA	NA
Vinyl Chloride	**2**	UG/L	**11 D**	0.39 J	0.32 U	0.32 U	0.32 U	**2.8**	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	1 U	1 U	1 U	1 UJ	**4.8**	1 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Xylenes	**5**	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	NA	NA	NA

Table 5. Summary of Historic Volatile Organic Compounds in Groundwater, 1000 Turk Hill Road, Fairport, Monroe County, New York

Sample Designation:			MW-6M	MW-6M	MW-6M	MW-6M	MW-6M	MW-6M	MW-6M	MW-6M	MW-6M	MW-6M	MW-6M	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-7S	MW-7S
Sample Date:			08/10/2017	11/08/2017	03/06/2018	07/20/2021	06/14/2022	06/14/2022	06/06/2023	07/31/2024	04/23/2025	09/22/2025	09/22/2025	05/09/2016	08/10/2016	11/08/2016	05/16/2017	08/10/2017	11/07/2017	07/20/2021	06/14/2022	06/06/2023	08/01/2024	05/09/2016	08/09/2016
Normal or Field Duplicate:			N	N	N	N	N	FD	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N
Test Type:																									
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Unit																							
1,1,1,2-Tetrachloroethane	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA
1,1,1-Trichloroethane (TCA)	5	UG/L	0.36 U	0.36 U	0.36 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	2.5 U	2.5 U	2.5 U	2.5 U	0.36 U	0.36 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.25 U	0.25 U	0.25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.25 U	0.25 U
1,1,2-Trichloroethane	1	UG/L	0.34 U	0.34 U	0.34 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	1.5 U	1.5 U	1.5 U	1.5 U	0.34 U	0.34 U
1,1-Dichloroethane	5	UG/L	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U
1,1-Dichloroethene	**5**	UG/L	0.57 U	0.57 U	0.57 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.5 U	0.5 U	0.5 U	0.5 U	0.57 U	0.57 U
1,1-Dichloropropene	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA
1,2,3-Trichlorobenzene	5	UG/L	0.82 U	0.82 U	0.82 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.5 U	2.5 U	2.5 U	2.5 U	0.82 U	0.82 U
1,2,3-Trichloropropane	0.04	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA
1,2,4,5-Tetramethylbenzene	5	UG/L	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	NA	NA
1,2,4-Trichlorobenzene	5	UG/L	0.23 U	0.23 U	0.23 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	2.5 U	2.5 U	2.5 U	2.5 U	0.23 U	0.23 U
1,2,4-Trimethylbenzene	**5**	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA
1,2-Dibromo-3-Chloropropane	0.04	UG/L	0.74 U	0.74 U	0.74 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	2.5 U	2.5 U	2.5 UJ	2.5 U	0.74 U	0.74 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	0.24 U	0.24 U	0.24 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2 U	2 U	2 U	2 U	0.24 U	0.24 U
1,2-Dichlorobenzene	3	UG/L	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U	0.21 U	0.21 U
1,2-Dichloroethane	0.6	UG/L	0.36 U	0.36 U	0.36 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.5 U	0.5 U	0.5 U	0.5 U	0.36 U	0.36 U
1,2-Dichloropropane	1	UG/L	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U	1 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA
1,3-Dichlorobenzene	3	UG/L	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U
1,3-Dichloropropane	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA
1,4-Dichlorobenzene	3	UG/L	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U
1,4-Diethyl Benzene	--	UG/L	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	NA	NA
1,4-Dioxane (P-Dioxane)	0.35	UG/L	NA	NA	NA	250 U	250 UJ	250 UJ	250 U	250 U	250 U	250 UJ	250 UJ	NA	NA	NA	NA	NA	NA	250 U	250 UJ	250 U	250 UJ	NA	NA
2,2-Dichloropropane	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA
2-Chlorotoluene	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA
2-Hexanone	50	UG/L	1.7 U	1.7 U	1.7 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	5 U	5 U	5 UJ	5 UJ	1.7 U	1.7 U
4-Chlorotoluene	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA
4-Ethyltoluene	--	UG/L	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	NA	NA
Acetone	**50**	UG/L	1.3 U	1.3 U	1.7 U	5 U	5 U	5 U	5 U	5 U	3.2 J	8.6 J	21 J	1.3 U	1.3 U	1.6 J	3.2 U	1.3 U	1.5 J	5 U	5 U	5 U	1.3 U	1.3 U
Acrylonitrile	5	UG/L	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	NA	NA
Benzene	**1**	UG/L	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U
Bromobenzene	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA
Bromochloromethane	5	UG/L	0.32 U	0.32 U	0.32 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	2.5 U	2.5 U	2.5 U	2.5 U	0.32 U	0.32 U
Bromodichloromethane	**50**	UG/L	0.32 U	0.32 U	0.32 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.32 U	0.32 U
Bromoform	50	UG/L	0.42 U	0.42 U	0.42 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	2 U	2 U	2 U	2 U	0.42 U	0.42 U
Bromomethane	5	UG/L	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	0.29 U	0.29 U
Carbon Disulfide	60	UG/L	0.22 U	0.22 U	0.22 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	5 U	5 U	5 U	5 UJ	0.22 U	0.22 U
Carbon Tetrachloride	5	UG/L	0.45 U	0.45 U	0.45 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.5 U	0.5 U	0.5 U	0.5 U	0.45 U	0.45 U
Chlorobenzene	5	UG/L	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	0.29 U	0.29 U
Chloroethane	5	UG/L	0.24 U	0.24 U	0.24 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2.5 U	2.5 U	2.5 U	2.5 U	0.24 U	0.24 U
Chloroform	**7**	UG/L	0.25 U	0.25 U	0.25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	2.5 U	2.5 U	2.5 U	2.5 U	0.25 U	0.25 U
Chloromethane	5	UG/L	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 UJ	0.21 U	0.21 U
Cis-1,2-Dichloroethylene	**5**	UG/L	0.43 J	0.3 U	0.92 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**9.1**	8.4 J	0.99 J	0.3 U	3.5	0.3 U	0.3 U	0.3 U	2.5 U	2.5 U	2.5 U	2.5 U	**5.3**	**30**
Cis-1,3-Dichloropropene	--	UG/L	0.24 U	0.24 U	0.24 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.5 U	0.5 U	0.5 U	0.5 U	0.24 U	0.24 U
Cyclohexane	--	UG/L	0.25 U	0.25 U	0.25 U	NA	NA	NA	NA	NA	NA	NA	NA	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	NA	NA	NA	NA	0.25 U	0.25 U
Cymene	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA
Dibromochloromethane	50	UG/L	0.31 U	0.31 U	0.31 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.5 U	0.5 U	0.5 U	0.5 U	0.31 U	0.31 U
Dibromomethane	5	UG/L	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	NA	NA
Dichlorodifluoromethane	5	UG/L	0.46 U	0.46 U	0.46 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	5 U	5 U	5 U	5 U	0.46 U	0.46 U
Dichloroethylenes	**5**	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**9.1**	0.84 J	0.99 J	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA
Diethyl Ether (Ethyl Ether)	--	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA
Ethylbenzene	5	UG/L	0.27 J	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U
Hexachlorobutadiene	0.5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA
Isopropylbenzene (Cumene)	5	UG/L	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U
m,p-Xylene	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	NA	NA
M,P-Xylene (Sum Of Isomers)	5	UG/L	1 J	0.33 U	0.33 U	NA	NA	NA	NA	NA	NA	NA	NA	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	NA	NA	NA	NA	0.33 U	0.33 U
Methane	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	--	UG/L	0.43 U	0.43 U	0.43 U	NA	NA	NA	NA	NA	NA	NA	NA	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	NA	NA	NA	NA	0.43 U	0.43 U
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L	0.81 U	0.81 U	0.81 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	5 U	5 U	5 UJ	5 U	0.81 U	0.81 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	0.67 U	0.67 U	0.67 U	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	5 U	5 U	5 UJ	5 UJ	0.67 U	0.67 U
Methylcyclohexane	--	UG/L	0.27 U	0.27 U	0.27 U	NA	NA	NA	NA	NA	NA	NA	NA	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	NA	NA	NA	NA	0.27 U	0.27 U
Methylene Chloride	**5**	UG/L	0.6 U	0.6 U	0.6 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	2.5 U	2.5 U	2.5 U	2.5 U	0.6 U	0.6 U
Naphthalene	10	UG/L	NA	NA	NA	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 UJ	2.5 U	2.5 U	NA	NA
N-Butylbenzene	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA
N-Propylbenzene	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA
O-Xylene (1,2-Dimethylbenzene)	**5**	UG/L	0.45 J	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U
Sec-Butylbenzene	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA
Styrene	5	UG/L	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U
T-Butylbenzene	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA
Tert-Butyl Methyl Ether	10	UG/L	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	0.29 U	0.29 U
Tetrachloroethylene (PCE)	5	UG/L	0.3 U	0.3 U	0.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 U	0.3 U
Toluene	5	UG/L	1.1	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	NA	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA
Trans-1,2-Dichloroethene	**5**	UG/L	0.33 U	0.33 U	0.33 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	2.5 U	2.5 U	2.5 U	2.5 U	0.33 U	0.33 U
Trans-1,3-Dichloropropene	--	UG/L	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.2 U	0.2 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 R	NA	NA
Trichloroethylene (TCE)	**5**	UG/L	**5.8**	**6.3**	**19**	3.4	1.9	3.1	**7.2**	**5.5**	**14**	3.6	3.8	0.91 J	1.9	1.1	0.3 J	0.53 J	0.49 J	0.5 U	0.28 J	1.4	0.84	**5.6**	**9.4**
Trichlorofluoromethane	5	UG/L	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 UJ	0.2 U	0.2 U
Vinyl Acetate	--	UG/L	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	NA	NA
Vinyl Chloride	**2**	UG/L	0.32 U	0.32 U	0.32 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	1 U	1 U	1 U	1 UJ	0.32 U	1.9
Xylenes	**5**	UG/L	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA

Table 5. Summary of Historic Volatile Organic Compounds in Groundwater, 1000 Turk Hill Road, Fairport, Monroe County, New York

Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Unit	MW-7S 11/08/2016 N	MW-7S 05/15/2017 N	MW-7S 08/09/2017 N	MW-7S 11/07/2017 N	MW-7S 07/19/2021 N	MW-7S 06/13/2022 N	MW-7S 06/08/2023 N	MW-7S 08/02/2024 N	MW-7S 09/22/2025 N	MW-8S 05/11/2016 N	MW-8S 08/09/2016 N	MW-8S 08/09/2016 FD	MW-8S 11/08/2016 N	MW-8S 05/15/2017 N	MW-8S 08/08/2017 N	MW-8S 11/07/2017 N	MW-8S 03/27/2018 N	MW-8S 07/19/2021 N	MW-8S 06/13/2022 N	MW-8S 06/08/2023 N	MW-8S 08/02/2024 N	MW-8S 11/12/2024 N	MW-8S 07/31/2025 N
1,1,1,2-Tetrachloroethane	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	0.36 U	0.36 U	0.36 U	0.36 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.25 U	0.25 U	0.25 U	0.25 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	0.34 U	0.34 U	0.34 U	0.34 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	**5**	UG/L	0.57 U	0.57 U	0.57 U	0.57 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	0.82 U	0.82 U	0.82 U	0.82 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	UG/L	NA	NA	NA	NA	2 U	2 U	2 U	2 UJ	2 U	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 UJ	2 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	0.23 U	0.23 U	0.23 U	0.23 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	**5**	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	0.74 U	0.74 U	0.74 U	0.74 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	0.24 U	0.24 U	0.24 U	0.24 U	2 U	2 U	2 U	2 U	2 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.36 U	0.36 U	0.36 U	0.36 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U	1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	NA	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	NA	NA	NA	NA	250 U	250 U	250 U	250 U	250 UJ	NA	NA	NA	NA	NA	NA	NA	NA	250 U	250 U	250 U	250 U	250 U	250 UJ
2,2-Dichloropropane	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	1.7 U	1.7 U	1.7 U	1.7 U	5 U	5 U	5 UJ	5 U	5 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	5 U	5 U	5 UJ	5 U	5 UJ	5 UJ
4-Chlorotoluene	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	UG/L	NA	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	**50**	UG/L	1.3 U	1.3 U	1.3 U	2.1 J	5 U	5 U	5 UJ	5 U	6.4 J	1.3 U	1.5 U	1.3 U	1.3 U	1.4 J	1.3 U	1.7 J	1.3 U	5 U	5 U	5 UJ	5 U	5 U	20
Acrylonitrile	5	UG/L	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	**1**	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	UG/L	0.32 U	0.32 U	0.32 U	0.32 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	**50**	UG/L	0.32 U	0.32 U	0.32 U	0.32 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	UG/L	0.42 U	0.42 U	0.42 U	0.42 U	2 U	2 U	2 U	2 U	2 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	UG/L	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	0.29 U	0.29 UJ	0.29 U	0.42 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
Carbon Disulfide	60	UG/L	0.22 U	0.22 U	0.22 U	0.22 U	5 U	5 U	5 U	5 U	5 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	UG/L	0.45 U	0.45 U	0.45 U	0.45 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L	0.24 U	0.24 U	0.24 U	0.24 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	**7**	UG/L	0.25 U	0.25 U	0.25 U	0.25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	UG/L	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	**5**	UG/L	**5.5**	1.1	2.6	1.8	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**15**	**7.2**	**7.3**	2.5	1	**44**	0.3 U	**67**	2.5 U	1.2 J	**8.4**	2.5 U	**13 J+**	2.5 U
Cis-1,3-Dichloropropene	--	UG/L	0.24 U	0.24 U	0.24 U	0.24 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	--	UG/L	0.25 U	0.25 U	0.25 U	0.25 U	NA	NA	NA	NA	NA	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	NA	NA	NA	NA	NA	NA
Cymene	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	UG/L	0.31 U	0.31 U	0.31 U	0.31 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	UG/L	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	UG/L	0.46 U	0.46 U	0.46 U	0.46 U	5 U	5 U	5 U	5 U	5 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	5 U	5 U	5 U	5 U	5 UJ	5 U
Dichloroethylenes	**5**	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	1.2 J	**8.4**	2.5 U	**13**	2.5 U
Diethyl Ether (Ethyl Ether)	--	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
M,P-Xylene (Sum Of Isomers)	5	UG/L	0.33 U	0.33 U	0.33 U	0.33 U	NA	NA	NA	NA	NA	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	NA	NA	NA	NA	NA	NA
Methane	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	--	UG/L	0.43 U	0.43 U	0.43 U	0.43 U	NA	NA	NA	NA	NA	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	NA	NA	NA	NA	NA	NA
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L	0.81 U	0.81 U	0.81 U	0.81 U	5 U	5 U	5 UJ	5 U	5 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	5 U	5 U	5 UJ	5 U	5 UJ	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	0.67 U	0.67 U	0.67 U	0.67 U	5 U	5 U	5 U	5 UJ	5 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	5 U	5 U	5 U	5 UJ	5 U	5 UJ
Methylcyclohexane	--	UG/L	0.27 U	0.27 U	0.27 U	0.27 U	NA	NA	NA	NA	NA	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	NA	NA	NA	NA	NA	NA
Methylene Chloride	**5**	UG/L	0.6 U	0.6 U	0.6 U	0.6 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Butylbenzene	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	**5**	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	NA	NA	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	**5**	UG/L	0.33 U	0.33 U	0.33 U	0.33 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 UJ	2.5 U
Trichloroethylene (TCE)	**5**	UG/L	**23**	4	**9.3**	4.2	1.3	2	**7.4**	3.1	2.5	0.22 U	0.82 J	1.4	0.3 J	0.22 U	2.4	0.22 U	0.58 J	0.5 U	0.5 U	0.19 J	0.5 U	0.88	0.5 U
Trichlorofluoromethane	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	--	UG/L	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 UJ
Vinyl Chloride	**2**	UG/L	0.32 U	0.32 U	0.32 U	0.32 U	1 U	1 U	1 U	1 U	1 UJ	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.56 J	1 U	1 U	0.1 J	1 U	**16**	1 U
Xylenes	**5**	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 5. Summary of Historic Volatile Organic Compounds in Groundwater, 1000 Turk Hill Road, Fairport, Monroe County, New York

Sample Designation:			MW-8S	MW-8S	MW-9S	MW-9S	MW-9S	MW-9S	MW-9S	MW-9S	MW-9S	MW-9S	MW-9S	RXMW-9S	RXMW-9S	RXMW-9S	RXMW-9S	RXMW-9S	RXMW-9S	RXMW-9S	RXMW-9S	RXMW-9S	RXMW-9S	RXMW-9S	RXMW-9S
Sample Date:			09/23/2025	11/24/2025	02/03/2016	02/03/2016	05/11/2016	08/12/2016	11/10/2016	02/08/2017	05/19/2017	05/19/2017	08/11/2017	07/21/2021	10/04/2021	06/15/2022	06/15/2022	06/07/2023	06/07/2023	08/01/2024	08/01/2024	11/12/2024	04/21/2025	04/21/2025	07/31/2025
Normal or Field Duplicate:			N	N	N	N	N	N	N	N	N	FD	N	N	N	N	FD	N	FD	N	FD	N	N	FD	N
Test Type:					INITIAL	DILUTION1																			
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Unit																							
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	50 U	62 U	62 U	2.5 U	2.5 U	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	180 U	1800 U	1800 U	1800 U	1800 U	1800 U	1800 U	1800 U	1800 U	50 U	50 U	62 U	62 U	2.5 U	2.5 U	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U	130 U	1300 U	1300 U	1300 U	1300 U	1300 U	1300 U	1300 U	1300 U	10 U	10 U	12 U	12 U	0.5 U	0.5 U	2.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	170 U	1800 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U	30 U	30 U	38 U	38 U	1.5 U	1.5 U	7.5 U	1.5 U	15 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	100 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	50 U	50 U	62 U	62 U	2.5 U	2.5 U	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	**5**	UG/L	0.5 U	0.5 U	290 U	2900 U	2900 U	2900 U	2900 U	2900 U	2900 U	2900 U	2900 U	10 U	10 U	12 U	**7.2 J**	0.18 J	0.23 J	2.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	50 U	62 U	62 U	2.5 U	2.5 U	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	410 U	4100 U	4100 U	4100 U	4100 U	4100 U	4100 U	4100 U	4100 U	50 UJ	50 U	62 U	62 U	2.5 U	2.5 U	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	50 U	62 U	62 U	2.5 U	2.5 U	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	UG/L	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	40 U	40 U	50 U	50 U	0.98 J	0.96 J	10 U	1.5 J	20 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	120 U	1200 U	1200 U	1200 U	1200 U	1200 U	1200 U	1200 U	1200 U	50 U	50 U	62 U	62 U	2.5 U	2.5 U	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	**5**	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	50 U	62 U	62 U	**24**	**24**	12 U	2.5 U	25 U	1.6 J	1.4 J	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 U	2.5 U	370 U	3700 U	3700 U	3700 U	3700 U	3700 U	3700 U	3700 U	3700 U	50 U	50 U	62 U	62 U	2.5 U	2.5 U	12 U	2.5 U	25 U	2.5 UJ	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	120 U	1200 U	1200 U	1200 U	1200 U	1200 U	1200 U	1200 U	1200 U	40 U	40 U	50 U	50 U	2 U	2 U	10 U	2 U	20 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	110 U	1100 U	1100 U	1100 U	1100 U	1100 U	1100 U	1100 U	1100 U	50 U	50 U	62 U	62 U	2.5 U	2.5 U	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 U	180 U	1800 U	1800 U	1800 U	1800 U	1800 U	1800 U	1800 U	1800 U	10 U	10 U	12 U	12 U	0.5 U	0.5 U	2.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	100 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	20 U	20 U	25 U	25 U	1 U	1 U	5 U	1 U	10 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	50 U	62 U	62 U	4.9	5	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	100 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	50 U	50 U	62 U	62 U	2.5 U	2.5 U	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	50 U	62 U	62 U	2.5 U	2.5 U	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	100 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	50 U	50 U	62 U	62 U	2.5 U	2.5 U	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	40 U	40 U	50 UJ	50 UJ	3.7	3.6	10 U	2 U	20 U	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	250 U	250 U	NA	100000 U	NA	NA	NA	NA	NA	NA	NA	5000 U	5000 U	6200 U	6200 U	250 UJ	250 UJ	1200 UJ	250 UJ	2500 U	250 U	250 U	250 UJ
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	50 U	62 U	62 U	2.5 U	2.5 U	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	50 U	62 U	62 U	2.5 U	2.5 U	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	5 U	5 U	830 U	8300 U	8300 U	8300 U	8300 U	8300 U	8300 U	8300 U	8300 U	100 U	100 U	120 U	120 U	5 U	5 U	25 UJ	5 UJ	50 UJ	5 R	5 U	5 UJ
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	50 U	62 U	62 U	2.5 U	2.5 U	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	UG/L	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	40 U	40 U	50 U	50 U	7.4	7.5	10 U	2 U	20 U	2 U	2 U	2 U
Acetone	**50**	UG/L	11 J	5 U	620 U	6200 U	6200 U	6200 U	6200 U	6200 U	6200 U	6200 U	6200 U	100 U	**100**	**110 J**	**89 J**	15 J-	21 J-	26	26 J	**230**	17 J	16	22
Acrylonitrile	5	UG/L	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U	100 U	120 U	120 U	5 U	5 U	25 U	5 U	50 U	5 U	5 U	5 U
Benzene	**1**	UG/L	0.5 U	0.5 U	100 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	10 U	10 U	12 U	12 U	0.5 U	0.5 U	2.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	50 U	62 U	62 U	2.5 U	2.5 U	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	UG/L	2.5 U	2.5 U	160 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	50 U	50 U	62 U	62 U	2.5 U	2.5 U	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	**50**	UG/L	0.5 U	0.5 U	**240 J**	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	10 U	10 U	12 U	12 U	0.5 U	0.5 U	2.5 UJ	0.5 UJ	5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	UG/L	2 U	2 U	210 U	2100 U	2100 U	2100 U	2100 U	2100 U	2100 U	2100 U	2100 U	40 U	40 U	50 U	50 U	2 U	2 U	10 U	2 U	20 U	2 U	2 U	2 U
Bromomethane	5	UG/L	2.5 UJ	2.5 U	150 U	1500 U	1500 UJ	1500 U	1500 UJ	1500 U	1500 U	1500 U	1500 U	50 U	50 U	62 UJ	62 UJ	2.5 U	2.5 U	12 U	2.5 U	25 U	2.5 UJ	2.5 U	2.5 U
Carbon Disulfide	60	UG/L	5 U	5 U	110 U	1100 U	1100 U	1100 U	1100 U	1100 U	1100 U	1100 U	1100 U	100 U	100 U	120 U	31 J	5 U	5 U	25 UJ	5 UJ	50 U	1 J	5 U	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	230 U	2300 U	2300 U	2300 U	2300 U	2300 U	2300 U	2300 U	2300 U	10 U	10 U	12 U	12 U	0.5 U	0.5 U	2.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	150 U	1500 U	1500 U	1500 U	1500 U	1500 U	1500 U	1500 U	1500 U	50 U	50 U	62 U	62 U	2.5 U	2.5 U	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L	2.5 UJ	2.5 U	120 U	1200 U	1200 U	1200 U	1200 U	1200 U	1200 U	1200 U	1200 U	50 U	50 U	62 U	62 U	2.5 U	2.5 U	12 UJ	2.5 UJ	25 U	2.5 U	2.5 U	2.5 U
Chloroform	**7**	UG/L	2.5 U	**650**	**1400 DJ**	**2600 J**	**1400 J**	1300 U	1300 U	1300 U	**1600 J**	**2300 J**	1300 U	50 U	50 U	62 U	62 U	1.4 J	1.4 J	12 U	2.5 U	25 U	1.9 J	1.8 J	2.5 U
Chloromethane	5	UG/L	2.5 UJ	2.5 U	110 U	1100 U	1100 U	1100 U	1100 U	1100 U	1100 U	1100 U	1100 U	50 U	50 U	62 U	62 U	2.5 U	2.5 U	12 UJ	2.5 UJ	25 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	**5**	UG/L	2.5 U	0.9 J	**720000**	**720000 D**	**1900000 D**	**740000**	**740000**	**490000**	**850000**	**900000**	**750000**	**2600**	**1900**	**4400**	**4600**	**33**	**35**	**540 J**	2.5 U	**520**	**28**	**27**	**87**
Cis-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	120 U	1200 U	1200 U	1200 U	1200 U	1200 U	1200 U	1200 U	1200 U	10 U	10 U	12 U	12 U	0.5 U	0.5 U	2.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	--	UG/L	NA	NA	130 U	1300 U	1300 U	1300 U	1300 U	1300 U	1300 U	1300 U	1300 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	50 U	62 UJ	62 UJ	2.5 U	2.5 U	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	160 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	10 U	10 U	12 U	12 U	0.5 U	0.5 U	2.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	UG/L	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U	100 U	120 U	120 U	5 U	5 U	25 U	5 U	50 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	230 U	2300 U	2300 U	2300 U	2300 U	2300 U	2300 U	2300 U	2300 U	100 U	100 U	120 U	120 U	5 U	5 U	25 U	5 U	50 UJ	5 U	5 U	5 U
Dichloroethylenes	**5**	UG/L	2.5 U	0.9 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2600**	**1900**	**4400**	**4600**	**35 J**	**37 J**	**540 J**	2.5 U	**520**	**28**	**27**	**88 J**
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	50 U	62 U	62 U	2.5 U	2.5 U	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	100 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	50 U	50 U	62 U	62 U	0.91 J	0.96 J	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	50 U	62 UJ	62 UJ	2.5 U	2.5 U	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	UG/L	2.5 U	2.5 U	100 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	50 U	50 U	62 U	62 U	0.8 J	0.79 J	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	50 U	62 U	62 U	2.3 J	2.4 J	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
M,P-Xylene (Sum Of Isomers)	5	UG/L	NA	NA	170 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.66	222	664	NA	4830	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	--	UG/L	NA	NA	220 U	2200 U	2200 U	2200 U	2200 U	2200 U	2200 U	2200 U	2200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L	5 U	5 UJ	410 U	4100 U	4100 U	4100 U	4100 U	4100 U	4100 U	4100 U	4100 U	100 U	**69 J**	120 U	120 U	9.3	9.1	25 U	5 U	**94 J**	5 UJ	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	340 U	3400 U	3400 U	3400 U	3400 U	3400 U	3400 U	3400 U	3400 U	100 U	100 U	120 U	120 U	5 U	5 U	25 UJ	5 UJ	50 U	5 UJ	5 U	5 UJ
Methylcyclohexane	--	UG/L	NA	NA	140 U	1400 U	1400 U	1400 U	1400 U	1400 U	1400 U	1400 U	1400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	**5**	UG/L	2.5 U	2.5 U	300 U	3000 U	3000 U	3000 U	3000 U	3000 U	3000 U	3000 U	3000 U	50 U	50 U	62 U	62 U	2.5 U	2.5 U	12 U	2.5 U	25 U	2.5 U	2.5 U	0.87 J
Naphthalene	10	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 UJ	50 U	62 U	62 U	1.1 J	1 J	12 U	0.81 J	25 U	2.5 U	2.5 U	2.5 U
N-Butylbenzene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	50 U	62 U	62 U	0.79 J	0.76 J	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	50 U	62 U	62 U	1.9 J	1.9 J	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	**5**	UG/L	2.5 U	2.5 U	100 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	50 U	50 U	62 U	62 U	3.2	3.2	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	50 U	62 UJ	62 UJ	1 J	1 J	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	2.5 U	2.5 U	100 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	50 U	50 U	62 U	62 U	2.5 U	2.5 U	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	50 U	62 UJ	62 UJ	2.5 U	2.5 U	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	2.5 U	2.5 U	150 U	1500 U	1500 U	1500 U	1500 U	1500 U	1500 U	1500 U	1500 U	50 U	50 U	62 U	62 U	2.5 U	2.5 U	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	0.5 U	0.5 U	150 U	1500 U	1500 U	1500 U	1500 U	1500 U	1500 U	1500 U	1500 U	10 U	10 U	12 U	12 U	0.5 U	0.5 U	2.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U
Toluene	5	UG/L	2.5 U	2.5 U	100 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	50 U	50 U	62 U	62 U	0.92 J	0.94 J	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	12 U	12 U	0.5 U	0.5 U	2.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	**5**	UG/L	2.5 U	2.5 U	**1400**	1700 U	**2200 J**	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	50 U	50 U	62 U	62 U	2.2 J	2.1 J	4.4 J	2.5 U	25 U	2.5 U	2.5 U	0.82 J
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	100 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	10 U	10 U	12 U	12 U	0.5 U	0.5 U	2.5 UJ	0.5 UJ	5 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	2.5 UJ	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	50 U	62 U	62 U	2.5 UJ	2.5 UJ	12 R	2.5 UJ	25 UJ	2.5 R	2.5 U	2.5 U
Trichloroethylene (TCE)	**5**	UG/L	0.5 U	0.27 J	**96000**	**93000 D**	**190000**	**110000**	**140000**	**65000**	**180000**	**180000**	**160000**	**220**	**180**	**110**	**110**	**8.8**	**9.1**	**25**	0.5 U	**24**	**9.8**	**9.2**	**14**
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	100 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	50 U	50 U	62 U	62 U	2.5 U	2.5 U	12 UJ	2.5 UJ	25 U	2.5 UJ	2.5 U	2.5 U
Vinyl Acetate	--	UG/L	5 UJ	5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U	100 U	120 U	120 U	5 U	5 U	25 U	5 U	50 U	5 UJ	5 U	5 UJ
Vinyl Chloride	**2**	UG/L	1 U	1.8	**4100**	**4400 DJ**	**5000 J**	**3700 J**	**3500 J**	**2500 J**	**4700 J**	**4300 J**	**3000 J**	**6.4 J**	**61**	**1000**	**930**	**91**	**98**	**86 J**	1 UJ	**870**	2	2	**46**
Xylenes	**5**	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	50 U	62 U	62 U	**5.5 J**	**5.6 J**	12 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U

Table 5. Summary of Historic Volatile Organic Compounds in Groundwater, 1000 Turk Hill Road, Fairport, Monroe County, New York

Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Unit	RXMW-9S 09/23/2025 N	RXMW-9S 11/25/2025 N	MW-10S 05/11/2016 N	MW-10S 08/09/2016 N	MW-10S 11/08/2016 N	MW-10S 05/16/2017 N	MW-10S 08/08/2017 N	MW-10S 11/07/2017 N	MW-10S 11/07/2017 FD	MW-10S 03/06/2018 N	MW-10S 07/21/2021 N	MW-10S 07/21/2021 FD	MW-10S 10/04/2021 N	MW-10S 06/15/2022 N	MW-10S 06/07/2023 N	MW-10S 08/01/2024 N	MW-10S 11/11/2024 N	MW-10S 04/21/2025 N	MW-10S 07/30/2025 N	MW-10S 07/30/2025 FD	MW-10S 09/23/2025 N	MW-10S 11/24/2025 N	MW-11D 02/01/2016 N
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	NA
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	0.36 U	0.36 U	18 U	18 U	18 U	36 U	18 U	0.36 U	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	0.36 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U	0.25 U	0.25 U	13 U	13 U	13 U	25 U	13 U	0.25 U	2.5 U	1.2 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.25 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	0.34 U	0.87 J	17 U	17 U	17 U	34 U	17 U	0.34 U	7.5 U	3.8 U	15 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.34 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	0.2 U	0.25 J	10 U	10 U	10 U	20 U	10 U	0.2 U	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
1,1-Dichloroethene	**5**	UG/L	0.23 J	0.5 U	0.57 U	**14**	29 U	29 U	29 U	57 U	29 U	0.57 U	2.5 U	1.2 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.57 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	0.82 U	0.82 U	41 U	41 U	41 U	82 U	41 U	0.82 U	12 UJ	6.2 UJ	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.82 U
1,2,3-Trichloropropane	0.04	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
1,2,4,5-Tetramethylbenzene	5	UG/L	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	10 U	5 U	20 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	0.23 U	0.23 U	12 U	12 U	12 U	23 U	12 U	0.23 U	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.23 U
1,2,4-Trimethylbenzene	**5**	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	1.2 J	2.5 U	4.8 J	**10 J**	3.1	2.4 J	NA
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 U	2.5 U	0.74 U	0.74 U	37 U	37 U	37 U	74 U	37 U	0.74 U	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	0.74 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	0.24 U	0.24 U	12 U	12 U	12 U	24 U	12 U	0.24 U	10 U	5 U	20 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.24 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	0.21 U	0.21 U	11 U	11 U	11 U	21 U	11 U	0.21 U	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.21 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 UJ	0.36 U	0.8 J	18 U	18 U	18 U	36 U	18 U	0.36 U	2.5 U	1.2 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.36 U
1,2-Dichloropropane	1	UG/L	1 U	1 UJ	0.2 U	0.2 U	10 U	10 U	10 U	20 U	10 U	0.2 U	5 U	2.5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.2 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 J	2.5 U	NA
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	0.2 U	0.2 U	10 U	10 U	10 U	20 U	10 U	0.2 U	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	0.2 U	0.2 U	10 U	10 U	10 U	20 U	10 U	0.2 U	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	10 U	5 U	20 U	2 UJ	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA
1,4-Dioxane (P-Dioxane)	0.35	UG/L	250 U	250 U	NA	NA	NA	NA	NA	NA	NA	NA	1200 U	620 U	2500 U	250 U	250 UJ	250 UJ	250 U	250 U	250 UJ	250 UJ	250 U	250 U	NA
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
2-Hexanone	50	UG/L	5 U	5 UJ	1.7 U	1.7 U	83 U	83 U	83 U	170 U	83 U	1.7 U	25 U	12 U	50 U	5 U	1.6 J	5 UJ	5 U	5 R	5 UJ	5 UJ	5 U	5 U	1.7 U
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
4-Ethyltoluene	--	UG/L	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	10 U	5 U	20 U	2 U	2 U	2 U	2 U	2 U	1.1 J	2.4 J	0.74 J	2 U	NA
Acetone	**50**	UG/L	30 J	5.8 J	1.3 U	1.8 U	62 U	62 U	62 U	130 U	62 U	13 U	25 U	12 U	18 J	24	4.5 J	3.1 J	18 J	3.4 J	5 U	5 U	26 J	3.1 J	1.3 U
Acrylonitrile	5	UG/L	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	25 U	12 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Benzene	**1**	UG/L	0.5 U	0.5 U	0.2 U	0.36 J	10 U	10 U	10 U	20 U	10 U	0.2 U	2.5 U	1.2 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U
Bromobenzene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
Bromochloromethane	5	UG/L	2.5 U	2.5 U	0.32 U	0.32 U	16 U	16 U	16 U	32 U	16 U	0.32 U	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.32 U
Bromodichloromethane	**50**	UG/L	0.5 U	0.5 U	0.32 U	0.32 U	16 U	16 U	16 U	32 U	16 U	0.32 U	2.5 U	1.2 U	5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.32 U
Bromoform	50	UG/L	2 U	2 U	0.42 U	0.42 U	21 U	21 U	21 U	42 U	21 U	0.42 U	10 U	5 U	20 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.42 U
Bromomethane	5	UG/L	2.5 UJ	2.5 R	0.29 U	0.29 UJ	15 U	15 U	15 U	29 U	15 U	0.29 U	12 U	6.2 U	25 U	2.5 UJ	2.5 U	2.5 U	2.5 R	2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 U	0.29 U
Carbon Disulfide	60	UG/L	5 U	5 U	0.22 U	0.22 U	11 U	11 U	11 U	22 U	11 U	0.62 J	25 U	12 U	50 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	0.22 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.45 U	0.45 U	23 U	23 U	23 U	45 U	23 U	0.45 U	2.5 U	1.2 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.45 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	0.29 U	0.29 U	15 U	15 U	15 U	29 U	15 U	0.29 U	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.29 U
Chloroethane	5	UG/L	2.5 UJ	2.5 U	0.24 U	0.24 U	12 U	12 U	12 U	24 U	12 U	0.24 U	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ	2.5 U	0.24 U
Chloroform	**7**	UG/L	2.5 U	0.83 J	0.25 U	0.25 U	13 U	13 U	13 U	25 U	13 U	0.25 U	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.25 U
Chloromethane	5	UG/L	2.5 UJ	2.5 R	0.21 U	0.21 U	11 U	11 U	11 U	21 U	11 U	0.21 U	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 R	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ	2.5 U	0.21 U
Cis-1,2-Dichloroethylene	**5**	UG/L	**110**	**5.7**	**62**	**12000 D**	**6400**	**29000**	**12000**	**16000**	**16000**	**130**	**990**	**420**	**10 J**	2.5 U	2.5 U	2.5 U	0.76 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**23**
Cis-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.24 U	0.24 U	12 U	12 U	12 U	24 U	12 U	0.24 U	2.5 U	1.2 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.24 U
Cyclohexane	--	UG/L	NA	NA	0.25 U	0.25 U	13 U	13 U	13 U	25 U	13 U	0.25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.25 U
Cymene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	12 U	6.2 U	25 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.31 U	0.31 U	16 U	16 U	16 U	31 U	16 U	0.31 U	2.5 U	1.2 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.31 U
Dibromomethane	5	UG/L	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	25 U	12 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Dichlorodifluoromethane	5	UG/L	5 U	5 U	0.46 U	0.46 U	23 U	23 U	23 U	46 U	23 U	0.46 U	25 U	12 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.46 U
Dichloroethylenes	**5**	UG/L	**110 J**	**7.3 J**	NA	NA	NA	NA	NA	NA	NA	NA	**990**	**420**	**10 J**	2.5 U	2.5 U	2.5 U	0.76 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
Ethylbenzene	5	UG/L	2.5 U	2.5 U	0.2 U	0.2 U	10 U	10 U	10 U	20 U	10 U	0.2 U	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.3 J	2.2 J	0.81 J	0.84 J	0.2 U
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	12 U	6.2 U	25 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
Isopropylbenzene (Cumene)	5	UG/L	2.5 U	2.5 U	0.2 U	1.3	10 U	10 U	10 U	20 U	10 U	0.2 U	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.8 J	3.8 J	1.1 J	1.2 J	NA
M,P-Xylene (Sum Of Isomers)	5	UG/L	NA	NA	0.33 U	0.33 U	17 U	17 U	17 U	33 U	17 U	0.33 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.33 U
Methane	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154	NA	221	6000	20100	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	--	UG/L	NA	NA	0.43 U	0.43 U	22 U	22 U	22 U	43 U	22 U	0.43 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.43 U
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L	5 U	5 UJ	0.81 U	0.81 U	41 U	41 U	41 U	81 U	41 U	3.4 J	25 U	12 U	26 J	5.4	5 U	5 U	27	5 UJ	5 U	5 U	5 U	5 UJ	0.81 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 UJ	0.67 U	0.67 U	34 U	34 U	34 U	67 U	34 U	1.4 J	25 U	12 U	50 U	5 U	5 U	5 UJ	5 U	5 UJ	5 UJ	5 UJ	5 U	5 U	0.67 U
Methylcyclohexane	--	UG/L	NA	NA	0.27 U	0.27 U	14 U	14 U	14 U	27 U	14 U	0.27 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.27 U
Methylene Chloride	**5**	UG/L	2.5 U	2.5 U	0.6 U	0.6 U	30 U	30 U	30 U	60 U	30 U	0.6 U	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.6 U
Naphthalene	10	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	12 UJ	6.2 UJ	25 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
N-Butylbenzene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
N-Propylbenzene	5	UG/L	2.5 U	2.5 UJ	NA	NA	NA	NA	NA	NA	NA	NA	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
O-Xylene (1,2-Dimethylbenzene)	**5**	UG/L	2.5 U	2.5 U	0.2 U	3.2	**14 J**	**23 J**	10 U	20 U	**13 J**	0.2 U	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.9 J	3.7 J	1.2 J	1.2 J	0.2 U
Sec-Butylbenzene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	12 U	6.2 U	25 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
Styrene	5	UG/L	2.5 U	2.5 U	0.2 U	0.2 U	10 U	10 U	10 U	20 U	10 U	0.2 U	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
T-Butylbenzene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	12 U	6.2 U	25 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
Tert-Butyl Methyl Ether	10	UG/L	2.5 U	2.5 U	0.29 U	0.29 U	15 U	15 U	15 U	29 U	15 U	0.29 U	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.29 U
Tetrachloroethylene (PCE)	5	UG/L	0.5 U	0.5 U	0.3 U	0.3 U	15 U	15 U	15 U	30 U	15 U	0.3 U	2.5 U	1.2 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 U
Toluene	5	UG/L	2.5 U	2.5 U	0.2 U	1.5	10 U	10 U	10 U	20 U	10 U	0.2 U	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	1.3 J	2.5 U	2.5 U	0.78 J	2.5 U	0.76 J	0.2 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	1.2 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA
Trans-1,2-Dichloroethene	**5**	UG/L	1.6 J	1.6 J	0.44 J	**190**	17 U	**56**	17 U	33 U	17 U	0.73 J	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.92 J
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.2 U	0.2 U	10 U	10 U	10 U	20 U	10 U	0.2 U	2.5 U	1.2 U	5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	2.5 UJ	2.5 R	NA	NA	NA	NA	NA	NA	NA	NA	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 UJ	2.5 R	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	NA
Trichloroethylene (TCE)	**5**	UG/L	**13**	**9.6**	0.22 U	**14**	11 U	**250**	11 U	22 U	11 U	0.22 U	1.6 J	0.62 J	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**16**
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	0.2 U	0.2 U	10 U	10 U	10 U	20 U	10 U	0.2 U	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 U	2.5 U	0.2 U
Vinyl Acetate	--	UG/L	5 UJ	5 R	NA	NA	NA	NA	NA	NA	NA	NA	25 U	12 U	50 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 UJ	5 U	NA
Vinyl Chloride	**2**	UG/L	**140**	**36**	**4.4**	**910 D**	**2100**	**560**	**1200**	**3700**	**3700**	**20**	**120**	**52**	**5.4 J**	1 U	1 U	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 U	1 U	0.32 U
Xylenes	**5**	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	12 U	6.2 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	3.7 J	**7.5 J**	2.3 J	2.4 J	NA

Table 5. Summary of Historic Volatile Organic Compounds in Groundwater, 1000 Turk Hill Road, Fairport, Monroe County, New York

Sample Designation:			MW-11D	MW-11D	MW-11D	MW-11D	MW-11D	MW-11D	MW-11D	MW-11D	MW-11D	MW-11D	MW-11D	MW-11D	MW-11D	MW-11D	MW-11D	MW-11D	MW-11M	MW-11M	MW-11M	MW-11M	MW-11M	MW-11M	MW-11M
Sample Date:			05/10/2016	08/12/2016	11/07/2016	02/07/2017	05/17/2017	08/07/2017	11/06/2017	03/05/2018	07/21/2021	10/05/2021	10/05/2021	06/15/2022	06/06/2023	08/01/2024	04/21/2025	09/23/2025	02/01/2016	05/10/2016	08/12/2016	11/07/2016	02/07/2017	05/17/2017	08/07/2017
Normal or Field Duplicate:			N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Test Type:																									
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Unit																							
1,1,1,2-Tetrachloroethane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane (TCA)	5	UG/L	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 UJ	0.36 U	0.36 U	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 UJ	0.25 U	0.25 U	0.5 U	50 U	50 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1,2-Trichloroethane	1	UG/L	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 UJ	0.34 U	0.34 U	1.5 U	150 U	150 U	1.5 U	1.5 U	1.5 U	15 U	1.5 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,1-Dichloroethane	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	**5**	UG/L	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 UJ	0.57 U	0.57 U	0.5 U	50 U	50 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
1,1-Dichloropropene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	5	UG/L	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 UJ	0.82 U	0.82 U	2.5 UJ	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
1,2,3-Trichloropropane	0.04	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	NA	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2 U	200 U	200 U	2 U	2 U	2 U	20 U	2 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	UG/L	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 UJ	0.23 U	0.23 U	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
1,2,4-Trimethylbenzene	**5**	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-Chloropropane	0.04	UG/L	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 UJ	0.74 U	0.74 U	2.5 U	250 U	250 U	2.5 U	2.5 UJ	2.5 U	25 UJ	2.5 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 UJ	0.24 U	0.24 U	2 U	200 U	200 U	2 U	2 U	2 U	20 U	2 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
1,2-Dichlorobenzene	3	UG/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 UJ	0.21 U	0.21 U	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
1,2-Dichloroethane	0.6	UG/L	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 UJ	0.36 U	0.36 U	0.5 U	50 U	50 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
1,2-Dichloropropane	1	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	1 U	100 U	100 U	1 U	1 U	1 U	10 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Diethyl Benzene	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2 U	200 U	200 U	2 UJ	2 U	2 U	20 U	2 U	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane (P-Dioxane)	0.35	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	250 U	25000 U	25000 U	250 U	250 U	250 UJ	2500 U	250 U	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50	UG/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 UJ	1.7 U	1.7 U	5 U	500 U	500 U	5 U	5 UJ	5 UJ	50 R	5 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
4-Chlorotoluene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	NA	NA	NA	NA	NA	NA	NA
4-Ethyltoluene	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2 U	200 U	200 U	2 U	2 U	2 U	20 U	2 U	NA	NA	NA	NA	NA	NA	NA
Acetone	**50**	UG/L	1.3 U	1.3 U	1.3 U	1.4 J	1.3 U	1.8 UJ	1.6 J	2 U	5 U	**180 J**	**180 J**	1.7 J	5 U	5 U	50 UJ	31 J	1.7 J	1.3 U	1.3 U	1.4 J	1.3 U	1.3 U	1.5 U
Acrylonitrile	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	5 U	500 U	500 U	5 U	5 U	5 U	50 U	5 U	NA	NA	NA	NA	NA	NA	NA
Benzene	**1**	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.5 U	50 U	50 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromobenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	UG/L	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 UJ	0.32 U	0.32 U	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Bromodichloromethane	**50**	UG/L	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 UJ	0.32 U	0.32 U	0.5 U	50 U	50 U	0.5 U	0.5 U	0.5 UJ	5 U	0.5 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Bromoform	50	UG/L	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 UJ	0.42 U	0.42 U	2 U	200 U	200 U	2 U	2 U	2 U	20 U	2 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U
Bromomethane	5	UG/L	0.29 UJ	0.29 U	0.29 U	0.29 U	0.29 U	0.29 UJ	0.29 U	0.29 U	2.5 U	250 U	250 U	2.5 UJ	2.5 U	2.5 U	25 UJ	2.5 UJ	0.29 U	0.29 UJ	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Carbon Disulfide	60	UG/L	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 UJ	0.22 U	0.22 U	5 U	500 U	500 U	5 U	5 U	5 UJ	50 U	5 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Carbon Tetrachloride	5	UG/L	0.45 UJ	0.45 U	0.45 U	0.45 U	0.45 U	0.45 UJ	0.45 U	0.45 U	0.5 U	50 U	50 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.45 U	0.45 UJ	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Chlorobenzene	5	UG/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 UJ	0.29 U	0.29 U	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Chloroethane	5	UG/L	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 UJ	0.24 U	0.24 U	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 UJ	25 U	2.5 UJ	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Chloroform	**7**	UG/L	0.25 U	0.25 U	0.33 J	0.25 U	0.25 U	0.28 J	0.25 U	0.25 U	2.5 U	250 U	250 U	2.5 U	2.5 U	**22**	25 U	**22**	0.25 U	0.25 U	0.25 U	0.27 J	0.25 U	0.25 U	0.25 U
Chloromethane	5	UG/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 UJ	0.21 U	0.21 U	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 UJ	25 U	2.5 UJ	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Cis-1,2-Dichloroethylene	**5**	UG/L	2.5	2.1	2	**7**	1.5	2 L	0.3 U	1.3	2.2 J	250 U	250 U	2.5 U	1 J	2.6	25 U	2.5 U	2.2	0.3 U	0.3 U	0.3 U	2.4	0.3 U	0.59 J
Cis-1,3-Dichloropropene	--	UG/L	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 UJ	0.24 U	0.24 U	0.5 U	50 U	50 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Cyclohexane	--	UG/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 UJ	0.25 U	0.25 U	NA	NA	NA	NA	NA	NA	NA	NA	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Cymene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	250 U	250 U	2.5 UJ	2.5 U	2.5 U	25 U	2.5 U	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	UG/L	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 UJ	0.31 U	0.31 U	0.5 U	50 U	50 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Dibromomethane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	5 U	500 U	500 U	5 U	5 U	5 U	50 U	5 U	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	5	UG/L	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 UJ	0.46 U	0.46 U	5 U	500 U	500 U	5 U	5 U	5 U	50 U	5 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Dichloroethylenes	**5**	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2.2 J	250 U	250 U	2.5 U	1 J	2.6	25 U	2.5 U	NA	NA	NA	NA	NA	NA	NA
Diethyl Ether (Ethyl Ether)	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene	0.5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	250 U	250 U	2.5 UJ	2.5 U	2.5 U	25 U	2.5 U	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene (Cumene)	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	NA	NA	NA	NA	NA	NA	NA
M,P-Xylene (Sum Of Isomers)	5	UG/L	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 UJ	0.33 U	0.33 U	NA	NA	NA	NA	NA	NA	NA	NA	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Methane	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2 U	44.4	NA	2 U	12.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	--	UG/L	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 UJ	0.43 U	0.43 U	NA	NA	NA	NA	NA	NA	NA	NA	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L	0.81 U	1.2 J	0.81 U	0.81 U	0.81 U	0.81 UJ	0.81 U	0.81 U	5 U	500 U	500 U	5 U	5 UJ	5 U	50 UJ	5.8	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 UJ	0.67 U	0.67 U	5 U	500 U	500 U	5 U	5 UJ	5 UJ	50 UJ	5 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
Methylcyclohexane	--	UG/L	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 UJ	0.27 U	0.27 U	NA	NA	NA	NA	NA	NA	NA	NA	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
Methylene Chloride	**5**	UG/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 UJ	0.6 U	0.6 U	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	**5.4**	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Naphthalene	10	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2.5 UJ	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	NA	NA	NA	NA	NA	NA	NA
N-Butylbenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	NA	NA	NA	NA	NA	NA	NA
N-Propylbenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	NA	NA	NA	NA	NA	NA	NA
O-Xylene (1,2-Dimethylbenzene)	**5**	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sec-Butylbenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	250 U	250 U	2.5 UJ	2.5 U	2.5 U	25 U	2.5 U	NA	NA	NA	NA	NA	NA	NA
Styrene	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
T-Butylbenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	250 U	250 U	2.5 UJ	2.5 U	2.5 U	25 U	2.5 U	NA	NA	NA	NA	NA	NA	NA
Tert-Butyl Methyl Ether	10	UG/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 UJ	0.29 U	0.29 U	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Tetrachloroethylene (PCE)	5	UG/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 UJ	0.3 U	0.3 U	0.5 U	50 U	50 U	0.4 J	0.5 U	0.5 U	5 U	0.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Toluene	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	0.5 U	50 U	50 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA
Trans-1,2-Dichloroethene	**5**	UG/L	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 UJ	0.33 U	0.33 U	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Trans-1,3-Dichloropropene	--	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.5 U	50 U	50 U	0.5 U	0.5 U	0.5 UJ	5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 UJ	25 R	2.5 UJ	NA	NA	NA	NA	NA	NA	NA
Trichloroethylene (TCE)	**5**	UG/L	**22**	**24**	**29**	**26**	**14**	**19 L**	**8.9**	**13**	**9.9**	50 U	50 U	3.9	5	**9.7**	5 U	0.5 U	**25**	5	**6.1**	**6.3**	**35**	4.7	**16**
Trichlorofluoromethane	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 UJ	25 UJ	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Acetate	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	5 U	500 U	500 U	5 U	5 U	5 U	50 UJ	5 UJ	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	**2**	UG/L	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 UJ	0.32 U	0.32 U	1 U	100 U	100 U	1 U	1 U	0.1 J	10 U	1 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Xylenes	**5**	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	250 U	250 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	NA	NA	NA	NA	NA	NA	NA

Table 5. Summary of Historic Volatile Organic Compounds in Groundwater, 1000 Turk Hill Road, Fairport, Monroe County, New York

Sample Designation:			MW-11M	MW-11M	MW-11M	MW-11M	MW-11M	MW-11M	MW-11M	MW-11M	MW-11M	MW-11M	MW-11M	MW-11M	MW-11S	MW-11S	MW-11S	MW-11S	MW-11S	MW-11S	MW-11S	MW-11S	MW-11S	MW-11S
Sample Date:			11/06/2017	03/05/2018	03/05/2018	07/21/2021	10/04/2021	10/05/2021	06/15/2022	06/06/2023	08/01/2024	04/21/2025	04/21/2025	09/23/2025	05/10/2016	08/12/2016	11/07/2016	11/07/2016	05/17/2017	08/07/2017	11/06/2017	07/21/2021	06/15/2022	06/07/2023	08/01/2024
Normal or Field Duplicate:			N	N	FD	N	N	N	N	N	N	N	FD	N	N	N	N	FD	N	N	N	N	N	N	N
Test Type:																									
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Unit																							
1,1,1,2-Tetrachloroethane	5	UG/L	NA	NA	NA	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	0.36 U	0.36 U	0.36 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.25 U	0.25 U	0.25 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	0.34 U	0.34 U	0.34 U	7.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	0.2 U	0.2 U	0.2 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	**5**	UG/L	0.57 U	0.57 U	0.57 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	NA	NA	NA	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	0.82 U	0.82 U	0.82 U	12 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.5 UJ	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	NA	NA	NA	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	UG/L	NA	NA	NA	10 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	0.23 U	0.23 U	0.23 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	**5**	UG/L	NA	NA	NA	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	0.74 U	0.74 U	0.74 U	12 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 UJ	2.5 UJ	2.5 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	0.24 U	0.24 U	0.24 U	10 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	0.21 U	0.21 U	0.21 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.36 U	0.36 U	0.36 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	0.2 U	0.2 U	0.2 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	NA	NA	NA	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	0.2 U	0.2 U	0.2 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	NA	NA	NA	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	0.2 U	0.2 U	0.2 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	NA	NA	NA	10 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	2 U	2 UJ	2 U	2 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	NA	NA	NA	1200 U	250 U	250 U	250 U	250 U	250 UJ	250 U	250 U	250 U	NA	NA	NA	NA	NA	NA	NA	250 U	250 U	250 UJ	250 UJ
2,2-Dichloropropane	5	UG/L	NA	NA	NA	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	UG/L	NA	NA	NA	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	1.7 U	1.7 U	1.7 U	25 U	5 U	5 U	5 U	5 UJ	5 UJ	5 R	5 R	5 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	5 U	5 U	5 U	5 UJ
4-Chlorotoluene	5	UG/L	NA	NA	NA	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	UG/L	NA	NA	NA	10 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U
Acetone	**50**	UG/L	1.4 J	2.3 U	2.2 U	25 U	5 U	1.5 J	1.9 J	5 U	5 U	5 U	5 UJ	3.1 J	1.3 U	5.5	1.3 U	1.3 U	1.3 U	2 J	8.2	5 U	8.2	7.8
Acrylonitrile	5	UG/L	NA	NA	NA	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U
Benzene	**1**	UG/L	0.2 U	0.2 U	0.2 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	UG/L	NA	NA	NA	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	UG/L	0.32 U	0.32 U	0.32 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	**50**	UG/L	0.32 U	0.32 U	0.32 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.5 U	0.5 U	0.39 J	0.5 UJ
Bromoform	50	UG/L	0.42 U	0.42 U	0.42 U	10 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	2 U	2 U	2 U	2 U
Bromomethane	5	UG/L	0.29 U	0.29 U	0.29 U	12 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ	0.29 UJ	0.29 U	0.29 U	0.29 U	0.29 U	0.29 UJ	0.29 U	2.5 U	2.5 UJ	2.5 U	2.5 U
Carbon Disulfide	60	UG/L	0.22 U	0.22 U	0.22 U	25 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	5 U	5 U	5 U	5 UJ
Carbon Tetrachloride	5	UG/L	0.45 U	0.45 U	0.45 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.45 UJ	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	0.29 U	0.29 U	0.29 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L	0.24 U	0.24 U	0.24 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2.5 U	2.5 U	2.5 U	2.5 UJ
Chloroform	**7**	UG/L	0.25 U	0.28 J	0.25 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	2.5 U	2.5 U	**7.7**	2.5 U
Chloromethane	5	UG/L	0.21 U	0.21 U	0.21 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 UJ
Cis-1,2-Dichloroethylene	**5**	UG/L	0.3 U	1.5	1.7	12 U	2.5 U	1 J	2.3 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.67 J	0.31 J	0.3 U	0.3 U	0.3 J	0.3 U	1.2	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	--	UG/L	0.24 U	0.24 U	0.24 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	--	UG/L	0.25 U	0.25 U	0.25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	NA	NA	NA	NA
Cymene	5	UG/L	NA	NA	NA	12 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 UJ	2.5 U	2.5 U
Dibromochloromethane	50	UG/L	0.31 U	0.31 U	0.31 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.5 U	0.5 U	0.2 J	0.5 U
Dibromomethane	5	UG/L	NA	NA	NA	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	UG/L	0.46 U	0.46 U	0.46 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	5 U	5 U	5 U	5 U
Dichloroethylenes	**5**	UG/L	NA	NA	NA	12 U	2.5 U	1 J	2.3 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	--	UG/L	NA	NA	NA	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	UG/L	0.2 U	0.2 U	0.2 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	NA	NA	NA	12 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 UJ	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	UG/L	0.2 U	0.2 U	0.2 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	NA	NA	NA	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
M,P-Xylene (Sum Of Isomers)	5	UG/L	0.33 U	0.33 U	0.33 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	NA	NA	NA	NA
Methane	--	UG/L	NA	NA	NA	2 U	2 U	6.94	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2 U	7680	6920	NA
Methyl Acetate	--	UG/L	0.43 U	0.43 U	0.43 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	NA	NA	NA	NA
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L	0.81 U	0.81 U	0.81 U	25 U	5 U	5 U	5 U	5 UJ	5 U	5 UJ	5 UJ	5 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	5 U	3.5 J	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	0.67 U	0.67 U	0.67 U	25 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	5 U	5 U	5 U	5 UJ
Methylcyclohexane	--	UG/L	0.27 U	0.27 U	0.27 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	NA	NA	NA	NA
Methylene Chloride	**5**	UG/L	0.6 U	0.6 U	0.6 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	2.5 U	2.5 U	**5.5**	2.5 U
Naphthalene	10	UG/L	NA	NA	NA	12 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 UJ	2.5 U	2.5 UJ	2.5 U
N-Butylbenzene	5	UG/L	NA	NA	NA	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	UG/L	NA	NA	NA	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	**5**	UG/L	0.2 U	0.2 U	0.2 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	UG/L	NA	NA	NA	12 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 UJ	2.5 U	2.5 U
Styrene	5	UG/L	0.2 U	0.2 U	0.2 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	UG/L	NA	NA	NA	12 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 UJ	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	0.29 U	0.29 U	0.29 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	0.3 U	0.3 U	0.3 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	UG/L	0.2 U	0.2 U	0.2 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	NA	NA	NA	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	**5**	UG/L	0.33 U	0.33 U	0.33 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.2 U	0.2 U	0.2 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 UJ
Trans-1,4-Dichloro-2-Butene	5	UG/L	NA	NA	NA	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R	2.5 R	2.5 R	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 UJ
Trichloroethylene (TCE)	**5**	UG/L	**6.3**	**32**	**33**	**5.7**	**6.2**	1.7	1.5	**12**	**9.7**	**14**	**14**	0.5 U	**14**	**15**	**15**	**15**	**12**	**10**	**14**	**7.4**	0.5 U	0.23 J	0.87
Trichlorofluoromethane	5	UG/L	0.2 U	0.2 U	0.2 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 UJ
Vinyl Acetate	--	UG/L	NA	NA	NA	25 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 UJ	NA	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U
Vinyl Chloride	**2**	UG/L	0.32 U	0.32 U	0.32 U	5 U	1 U	1 U	0.11 J	1 U	1 UJ	1 U	1 U	1 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	1 U	1 U	0.26 J	1 UJ
Xylenes	**5**	UG/L	NA	NA	NA	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U

Table 5. Summary of Historic Volatile Organic Compounds in Groundwater, 1000 Turk Hill Road, Fairport, Monroe County, New York

Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Unit	MW-11S 04/21/2025 N	MW-11S 09/23/2025 N	MW-12S 02/02/2016 N	MW-12S 05/10/2016 N	MW-12S 08/08/2016 N	MW-12S 11/07/2016 N	MW-12S 05/15/2017 N	MW-12S 08/07/2017 N	MW-12S 11/09/2017 N	MW-12S 07/23/2021 N	MW-12S 06/15/2022 N	MW-12S 06/06/2023 N	MW-12S 08/01/2024 N	MW-14S 05/11/2016 N	MW-14S 08/09/2016 N	MW-14S 11/09/2016 N	MW-14S 05/18/2017 N	MW-14S 08/08/2017 N	MW-14S 08/08/2017 FD	MW-14S 11/09/2017 N	MW-14S 11/09/2017 FD	MW-14S 07/23/2021 N	MW-14S 06/16/2022 N
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	2.5 U	2.5 U	2.5 U	2.5 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	1.5 U	1.5 U	1.5 U	1.5 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U
1,1-Dichloroethene	**5**	UG/L	0.5 U	0.5 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.5 U	0.5 U	0.5 U	0.5 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.5 U	2.5 U	2.5 U	2.5 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	UG/L	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	2.5 U	2.5 U	2.5 U	2.5 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	**5**	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 UJ	2.5 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	2.5 U	2.5 U	2.5 UJ	2.5 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2 U	2 U	2 U	2 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.5 U	0.5 U	0.5 U	0.5 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	2 U	2 UJ	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	250 U	250 U	NA	NA	NA	NA	NA	NA	NA	250 U	250 U	250 U	250 UJ	NA	NA	NA	NA	NA	NA	NA	NA	250 U	250 U
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
2-Hexanone	50	UG/L	5 R	5 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	5 U	5 U	5 UJ	5 UJ	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	5 U	5 U
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
4-Ethyltoluene	--	UG/L	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U
Acetone	**50**	UG/L	20 J	5 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	2.8 U	1.3 U	5 U	1.6 J	5 U	5 U	3.5 J	1.3 U	1.3 U	2.5 J	2 U	2.7 U	1.5 J	1.3 U	2.5 U	5 U
Acrylonitrile	5	UG/L	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	5 U	5 U
Benzene	**1**	UG/L	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
Bromobenzene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
Bromochloromethane	5	UG/L	2.5 U	2.5 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	2.5 U	2.5 U	2.5 U	2.5 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	2.5 U	2.5 U
Bromodichloromethane	**50**	UG/L	0.5 U	0.5 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.5 U	0.5 U
Bromoform	50	UG/L	2 U	2 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	2 U	2 U	2 U	2 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	2 U	2 U
Bromomethane	5	UG/L	2.5 UJ	2.5 UJ	0.29 U	0.29 UJ	0.29 UJ	0.29 U	0.29 U	0.29 UJ	0.29 U	2.5 U	2.5 UJ	2.5 U	2.5 U	0.29 U	0.29 UJ	0.29 U	0.29 U	0.31 J	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U
Carbon Disulfide	60	UG/L	1.1 J	5 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	5 U	5 U	5 U	5 UJ	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	5 U	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.45 U	0.45 UJ	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.5 U	0.5 U	0.5 U	0.5 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U
Chloroethane	5	UG/L	2.5 U	2.5 UJ	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2.5 U	2.5 U	2.5 U	2.5 UJ	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2.5 U	2.5 U
Chloroform	**7**	UG/L	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	2.5 U	2.5 U	2.5 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	2.5 U	2.5 U
Chloromethane	5	UG/L	2.5 U	2.5 UJ	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 UJ	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	**5**	UG/L	2.5 U	2.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	2.5 U	2.5 U	2.5 U	2.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.5 U	0.5 U	0.5 U	0.5 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.5 U	0.5 U
Cyclohexane	--	UG/L	NA	NA	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	NA	NA	NA	NA	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	NA	NA
Cymene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 UJ	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.5 U	0.5 U	0.5 U	0.5 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.5 U	0.5 U
Dibromomethane	5	UG/L	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	5 U	5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	5 U	5 U	5 U	5 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	5 U	5 U
Dichloroethylenes	**5**	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 UJ	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	UG/L	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
M,P-Xylene (Sum Of Isomers)	5	UG/L	NA	NA	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	NA	NA	NA	NA	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	NA	NA
Methane	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	--	UG/L	NA	NA	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	NA	NA	NA	NA	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	NA	NA
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L	5.2 J	5 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	5 U	5 U	5 UJ	5 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 UJ	5 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	5 U	5 U	5 UJ	5 UJ	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	5 U	5 U
Methylcyclohexane	--	UG/L	NA	NA	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	NA	NA	NA	NA	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	NA	NA
Methylene Chloride	**5**	UG/L	2.5 U	2.5 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	2.5 U	2.5 U	2.5 U	2.5 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	2.5 U	2.5 U
Naphthalene	10	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
N-Butylbenzene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
N-Propylbenzene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	**5**	UG/L	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U
Sec-Butylbenzene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 UJ	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
Styrene	5	UG/L	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U
T-Butylbenzene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 UJ	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	2.5 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	0.5 U	0.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.5 U
Toluene	5	UG/L	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	0.5 U	0.5 U
Trans-1,2-Dichloroethene	**5**	UG/L	2.5 U	2.5 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	2.5 U	2.5 U	2.5 U	2.5 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	2.5 R	2.5 UJ	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 R	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
Trichloroethylene (TCE)	**5**	UG/L	0.5 U	**6.3**	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.5 U	0.5 U	0.5 U	**6.7**	**6.7**	5	2.7	2.9	2.7	3.1	2.8	2.3	0.98
Trichlorofluoromethane	5	UG/L	2.5 UJ	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U
Vinyl Acetate	--	UG/L	5 UJ	5 UJ	NA	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	5 U	5 U
Vinyl Chloride	**2**	UG/L	1 U	1 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	1 U	1 U	1 U	1 UJ	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	1 U	1 U
Xylenes	**5**	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U

Table 5. Summary of Historic Volatile Organic Compounds in Groundwater, 1000 Turk Hill Road, Fairport, Monroe County, New York

Sample Designation:			MW-14S	MW-14S	MW-15S	MW-15S	MW-15S	MW-15S	MW-15S	MW-15S	MW-15S	MW-15S	MW-15S	MW-15S	MW-15S	MW-15S	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S
Sample Date:			06/06/2023	08/02/2024	05/09/2016	08/11/2016	11/10/2016	05/19/2017	08/11/2017	11/09/2017	07/22/2021	06/14/2022	06/05/2023	08/02/2024	08/01/2025	09/22/2025	05/11/2016	08/09/2016	11/09/2016	05/18/2017	08/08/2017	11/09/2017	07/23/2021	06/16/2022	06/06/2023
Normal or Field Duplicate:			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Test Type:																									
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Unit																							
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	0.36 U	0.36 U	0.36 J	0.36 U	0.36 U	0.59 J	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 UJ	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.5 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	0.2 U	0.2 U	0.22 J	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	**5**	UG/L	0.5 U	0.5 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.92 J	0.57 U	0.59 J	0.57 U	0.57 U	0.57 U	0.57 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	2.5 U	2.5 UJ	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	UG/L	2 U	2 UJ	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 UJ	2 UJ	10 U	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	**5**	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 UJ	2.5 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	2.5 U	2.5 U	2.5 UJ
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2 U	2 U	2 U	2 U	2 U	10 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U	1 U	1 U	5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	0.27 U	0.32 J	0.79 J	0.21 J	0.39 J	0.52 J	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	10 U	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	250 U	250 U	NA	NA	NA	NA	NA	NA	250 U	250 UJ	250 U	250 U	250 U	1200 UJ	NA	NA	NA	NA	NA	NA	250 U	250 U	250 U
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	5 UJ	5 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	5 U	5 U	5 U	5 U	5 UJ	25 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	5 U	5 U	5 UJ
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	UG/L	2 U	2 U	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	10 U	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U
Acetone	**50**	UG/L	5 U	5 U	1.3 U	3.1 J	1.3 U	1.9 J	1.6 U	1.3 J	5 U	5 U	5 U	5 U	3.5 J	**140**	1.3 U	1.6 U	1.3 U	2.1 U	2 U	1.3 U	5 U	5 U	5 U
Acrylonitrile	5	UG/L	5 U	5 U	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	25 U	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U
Benzene	**1**	UG/L	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	UG/L	2.5 U	2.5 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	**50**	UG/L	0.5 U	0.5 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.32 U	0.32 U	0.32 U	0.32 UJ	0.32 U	0.32 U	0.5 U	0.5 U	0.5 U
Bromoform	50	UG/L	2 U	2 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	2 U	2 U	2 U	2 U	2 U	10 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	2 U	2 U	2 U
Bromomethane	5	UG/L	2.5 U	2.5 UJ	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	12 UJ	0.29 U	0.29 UJ	0.29 UJ	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U
Carbon Disulfide	60	UG/L	5 U	5 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	5 U	5 U	5 U	5 U	5 U	25 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	5 U	5 U	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L	2.5 U	2.5 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2.5 U	2.5 U	2.5 U
Chloroform	**7**	UG/L	2.5 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	0.4 J	0.3 J	0.42 J	1.5	0.28 J	0.25 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	UG/L	2.5 U	2.5 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	**5**	UG/L	2.5 U	2.5 U	0.3 U	2.1	0.58 J	0.3 U	0.58 J	0.76 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**68**	**57**	**60**	**83**	**63**	**63**	**78**	**10**	**9.4**	3.6
Cis-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.5 U	0.5 U	0.5 U
Cyclohexane	--	UG/L	NA	NA	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	NA	NA	NA	NA	NA	NA	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	NA	NA	NA
Cymene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	UG/L	5 U	5 U	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	25 U	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	5 U	5 U	5 U	5 U	5 U	25 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	5 U	5 U	5 U
Dichloroethylenes	**5**	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**68**	NA	NA	NA	NA	NA	NA	**10**	**9.4**	3.6
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	UG/L	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
M,P-Xylene (Sum Of Isomers)	5	UG/L	NA	NA	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	NA	NA	NA	NA	NA	NA	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	NA	NA	NA
Methane	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	--	UG/L	NA	NA	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	NA	NA	NA	NA	NA	NA	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	NA	NA	NA
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L	5 UJ	5 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	5 U	5 U	5 UJ	5 U	5 U	**380**	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	5 U	5 U	5 UJ
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 UJ	5 UJ	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	5 U	5 U	5 U	5 UJ	5 U	25 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	5 U	5 U	5 UJ
Methylcyclohexane	--	UG/L	NA	NA	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	NA	NA	NA	NA	NA	NA	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	NA	NA	NA
Methylene Chloride	**5**	UG/L	2.5 U	2.5 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 UJ	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
N-Butylbenzene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	**5**	UG/L	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	2.5 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	0.5 U	0.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.5 U	0.5 U
Toluene	5	UG/L	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	NA	NA	NA	NA	NA	NA	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	**5**	UG/L	2.5 U	2.5 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	1.6	1.7	2	1.4	1.4	1.7	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U
Trichloroethylene (TCE)	**5**	UG/L	0.32 J	0.72	0.32 J	1.7	1.5	0.38 J	0.92 J	2.4	0.77	0.58	0.5	0.9	0.47 J	**11**	**95**	**110**	**130**	**60**	**87**	**97**	**34**	**33**	**20**
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	--	UG/L	5 U	5 U	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	25 U	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U
Vinyl Chloride	**2**	UG/L	1 U	1 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	1 U	1 U	1 U	1 U	1 U	**8.4**	0.32 U	1.9	**2.2**	0.35 J	0.32 U	0.98 J	0.37 J	1 U	1 U
Xylenes	**5**	UG/L	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U

Table 5. Summary of Historic Volatile Organic Compounds in Groundwater, 1000 Turk Hill Road, Fairport, Monroe County, New York

Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Unit	MW-16S 08/01/2024 N	MW-16S 11/12/2024 N	MW-16S 04/22/2025 N	MW-16S 07/31/2025 N	MW-16S 09/23/2025 N	MW-16S 11/25/2025 N	MW-27S 03/09/2017 N	MW-27S 05/16/2017 N	MW-27S 08/09/2017 N	MW-27S 08/09/2017 FD	MW-27S 11/08/2017 N	MW-27S 03/05/2018 N	MW-27S 07/20/2021 N	MW-27S 10/05/2021 N	MW-27S 06/15/2022 N	MW-27S 06/08/2023 N	MW-27S 08/01/2024 N	MW-27S 11/12/2024 N	MW-27S 11/12/2024 FD	MW-27S 04/21/2025 N	MW-27S 07/30/2025 N	MW-27S 09/24/2025 N	MW-27S 11/24/2025 N
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	**5**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.19 J	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	UG/L	2 UJ	2 U	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	1.4 J	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U	1 U	1 U	1 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	250 U	250 U	250 U	250 UJ	250 U	250 U	NA	NA	NA	NA	NA	NA	250 U	250 U	250 U	250 U	250 UJ	250 U	250 U	250 U	250 UJ	250 UJ	250 U
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	5 U	5 UJ	5 U	5 UJ	5 U	5 UJ	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 R	5 UJ	5 UJ	5 UJ	5 U
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	**50**	UG/L	5 U	5 U	2.8 J	3 J	20 J	11	1.3 U	1.3 U	2.9 U	4.4 U	1.4 J	2.4 U	5 U	6.4	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	11 J	5 U
Acrylonitrile	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	**1**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	**50**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	UG/L	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 R	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 UJ	2.5 U
Carbon Disulfide	60	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U
Chloroform	**7**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	2.5 U	2.5 U	1.1 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 R	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	**5**	UG/L	**29**	1.1 J	**8.6**	**14**	**11**	**71**	1.8	2	**6.9**	**8.7**	**44**	1.1	2.5	4.3	1.7 J	2.5	0.74 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	--	UG/L	NA	NA	NA	NA	NA	NA	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 UJ	5 U	5 U	5 U	5 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 U	5 U
Dichloroethylenes	**5**	UG/L	**29**	1.1 J	**8.6**	**14**	**11**	**71**	NA	NA	NA	NA	NA	NA	2.5	4.3	1.7 J	2.5	0.74 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
M,P-Xylene (Sum Of Isomers)	5	UG/L	NA	NA	NA	NA	NA	NA	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2 U	94.8	8390	205	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	--	UG/L	NA	NA	NA	NA	NA	NA	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L	5 U	5 UJ	5 U	5 U	4.3 J	3 J	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	5 U	5 U	5 U	5 UJ	5 U	5 UJ	5 UJ	5 UJ	5 U	5 U	5 UJ
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 UJ	5 U	1.5 J	5 UJ	5 U	5 UJ	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 UJ	5 UJ	5 U	5 U
Methylcyclohexane	--	UG/L	NA	NA	NA	NA	NA	NA	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.4 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	1 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 R	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethylene (TCE)	**5**	UG/L	**40**	3.7	**21**	**21**	**8.8**	**6.8**	0.41 J	1.4	1.9	2.4	0.94 J	0.78 J	2.9	1.5	1.1	0.41 J	0.45 J	0.19 J	0.19 J	0.5 U	0.23 J	0.5 U	0.5 U
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U
Vinyl Acetate	--	UG/L	5 U	5 U	5 U	5 UJ	5 UJ	5 R	NA	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U
Vinyl Chloride	**2**	UG/L	1 U	1 U	0.59 J	1 U	1 U	1.6	0.32 U	0.32 U	0.32 U	0.39 J	**8.6**	0.32 U	1 U	0.28 J	0.57 J	**4.6**	0.1 J	**2.1**	1.8	1 U	**2.8 J**	0.12 J	1.7
Xylenes	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 5. Summary of Historic Volatile Organic Compounds in Groundwater, 1000 Turk Hill Road, Fairport, Monroe County, New York

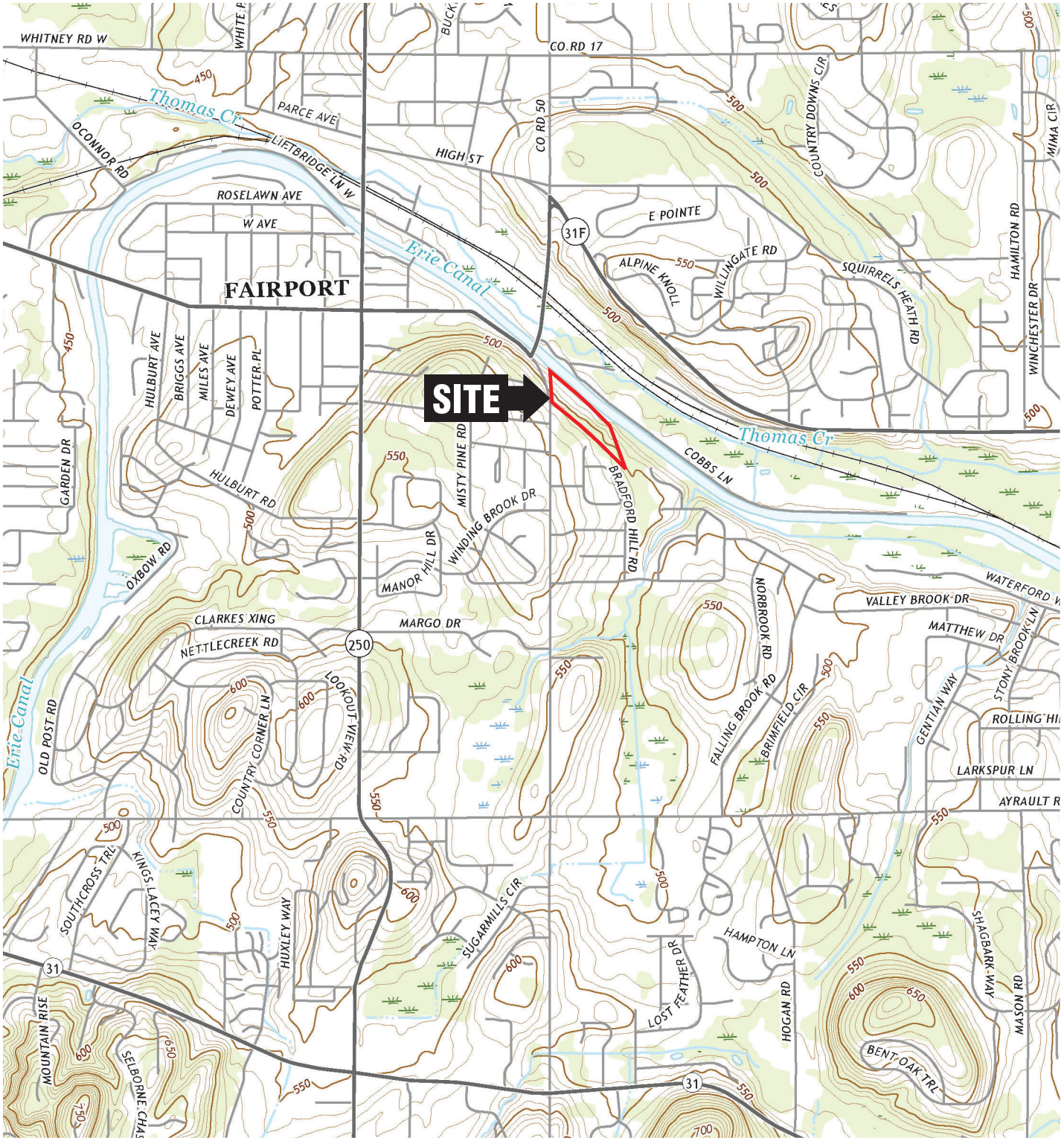
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Unit	MW-28S 03/09/2017 N	MW-28S 05/15/2017 N	MW-28S 08/08/2017 N	MW-28S 11/07/2017 N	MW-28S 07/19/2021 N	MW-28S 07/19/2021 FD	MW-28S 06/16/2022 N	MW-28S 06/08/2023 N	MW-28S 08/02/2024 N	MW-28S 11/11/2024 N	MW-28S 11/11/2024 FD	MW-28S 04/21/2025 N	MW-28S 07/30/2025 N	MW-28S 07/30/2025 FD	MW-28S 09/24/2025 N	MW-28S 11/24/2025 N	MW-29S 05/17/2017 N	MW-29S 08/08/2017 N	MW-29S 11/07/2017 N	MW-29S 07/19/2021 N	MW-29S 06/14/2022 N	MW-29S 06/08/2023 N	MW-29S 08/05/2024 N
1,1,1,2-Tetrachloroethane	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	0.36 U	0.36 U	0.36 U	0.36 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	0.36 U	0.36 U	0.36 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.25 U	0.25 U	0.25 U	0.25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.25 U	0.25 U	0.25 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	0.34 U	0.34 U	0.34 U	0.34 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.34 U	0.34 U	0.34 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	**5**	UG/L	0.57 U	0.57 U	0.57 U	0.57 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.57 U	0.57 U	0.57 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	0.82 U	0.82 U	0.82 U	0.82 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.82 U	0.82 U	0.82 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	UG/L	NA	NA	NA	NA	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	NA	NA	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	0.23 U	0.23 U	0.23 U	0.23 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.23 U	0.23 U	0.23 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	**5**	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	0.74 U	0.74 U	0.74 U	0.74 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	0.74 U	0.74 U	0.74 U	2.5 U	2.5 U	2.5 UJ	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	0.24 U	0.24 U	0.24 U	0.24 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.24 U	0.24 U	0.24 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.36 U	0.36 U	0.36 U	0.36 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.36 U	0.36 U	0.36 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	NA	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	NA	NA	2 U	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	NA	NA	NA	NA	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 UJ	250 UJ	250 UJ	250 U	NA	NA	NA	250 U	250 UJ	250 U	250 U
2,2-Dichloropropane	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	1.7 U	1.7 U	1.7 U	1.7 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 R	5 UJ	5 UJ	5 UJ	5 U	1.7 U	1.7 U	1.7 U	5 U	5 U	5 UJ	5 U
4-Chlorotoluene	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	UG/L	NA	NA	NA	NA	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	NA	NA	2 U	2 U	2 U	2 U
Acetone	**50**	UG/L	1.3 J	1.7 J	3.4 U	1.3 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	2.1 J	5 UJ	5 U	8.4 J	5 U	3.9 J	2.1 U	3.1 J	5 U	5 U	5 UJ	5 U
Acrylonitrile	5	UG/L	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	NA	NA	5 U	5 U	5 U	5 U
Benzene	**1**	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	UG/L	0.32 U	0.32 U	0.32 U	0.32 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.32 U	0.32 U	0.32 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	**50**	UG/L	0.32 U	0.32 U	0.32 U	0.32 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.32 U	0.32 U	0.32 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	UG/L	0.42 U	0.42 U	0.42 U	0.42 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.42 U	0.42 U	0.42 U	2 U	2 U	2 U	2 U
Bromomethane	5	UG/L	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 R	2.5 R	2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U
Carbon Disulfide	60	UG/L	0.22 U	0.22 U	0.22 U	0.22 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.22 U	0.22 U	0.22 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	UG/L	0.45 U	0.45 U	0.45 U	0.45 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.45 U	0.45 U	0.45 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L	0.24 U	0.24 U	0.24 U	0.24 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ	2.5 U	0.24 U	0.24 U	0.24 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	**7**	UG/L	0.25 U	0.25 U	0.25 U	0.25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.25 U	0.25 U	0.25 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	UG/L	0.21 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R	2.5 R	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	0.21 U	0.21 U	0.21 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	**5**	UG/L	0.3 U	0.3 U	0.3 U	0.3 U	2.5 U	2.5 U	0.84 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.33 J	0.34 J	0.3 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	--	UG/L	0.24 U	0.24 U	0.24 U	0.24 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.24 U	0.24 U	0.24 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	--	UG/L	0.25 U	0.25 U	0.25 U	0.25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.25 U	0.25 U	0.25 U	NA	NA	NA	NA
Cymene	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	UG/L	0.31 U	0.31 U	0.31 U	0.31 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.31 U	0.31 U	0.31 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	UG/L	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	NA	NA	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	UG/L	0.46 U	0.46 U	0.46 U	0.46 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.46 U	0.46 U	0.46 U	5 U	5 U	5 U	5 U
Dichloroethylenes	**5**	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	0.84 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	--	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
M,P-Xylene (Sum Of Isomers)	5	UG/L	0.33 U	0.33 U	0.33 U	0.33 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.33 U	0.33 U	0.33 U	NA	NA	NA	NA
Methane	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	--	UG/L	0.43 U	0.43 U	0.43 U	0.43 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.43 U	0.43 U	0.43 U	NA	NA	NA	NA
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L	0.81 U	0.81 U	0.81 U	0.81 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	0.81 U	0.81 U	0.81 U	5 U	5 U	5 UJ	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	0.67 U	0.67 U	0.67 U	0.67 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 UJ	5 UJ	5 UJ	5 U	5 U	0.67 U	0.67 U	0.67 U	5 U	5 U	5 U	5 U
Methylcyclohexane	--	UG/L	0.27 U	0.27 U	0.27 U	0.27 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.27 U	0.27 U	0.27 U	NA	NA	NA	NA
Methylene Chloride	**5**	UG/L	0.71 U	0.6 U	0.6 U	0.6 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.6 U	0.6 U	0.6 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	2.5 U	2.5 UJ	2.5 U	2.5 U
N-Butylbenzene	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	**5**	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	0.29 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.29 U	0.29 U	0.29 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 U	0.3 U	0.3 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	NA	NA	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	**5**	UG/L	0.33 U	0.33 U	0.33 U	0.33 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.33 U	0.33 U	0.33 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethylene (TCE)	**5**	UG/L	0.22 U	0.22 U	0.22 U	0.22 U	0.87	0.89	0.74	0.68	0.7	1.1	1.2	0.29 J	0.54 J	1.2 J	3.9	1	0.77 J	0.71 J	0.46 J	0.98	0.93	0.73	1.3
Trichlorofluoromethane	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	--	UG/L	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	NA	NA	5 U	5 U	5 U	5 U
Vinyl Chloride	**2**	UG/L	0.32 U	0.32 U	0.32 U	0.32 U	1 U	1 U	1 U	0.24 J	1 U	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 U	1 U	0.32 U	0.32 U	0.32 U	1 U	1 U	1 U	1 U
Xylenes	**5**	UG/L	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U

Table 5. Summary of Historic Volatile Organic Compounds in Groundwater, 1000 Turk Hill Road, Fairport, Monroe County, New York

Sample Designation:			MW-29S	MW-29S	MW-29S	MW-29S	MW-29S	MW-35M	MW-35M	MW-35M	MW-35M	MW-35M	MW-35M	MW-35M	MW-35M	MW-35M	MW-35M	MW-35M	MW-35M	MW-35M	MW-35M	MW-35M	MW-35M
Sample Date:			11/11/2024	04/21/2025	07/30/2025	09/22/2025	11/24/2025	03/09/2017	03/09/2017	05/16/2017	08/09/2017	11/08/2017	03/06/2018	07/19/2021	06/13/2022	06/08/2023	08/05/2024	11/12/2024	04/21/2025	07/31/2025	09/23/2025	11/25/2025	11/25/2025
Normal or Field Duplicate:			N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Test Type:																							
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Unit																					
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	0.36 U	0.36 U	0.36 U	0.36 U	1.8 U	0.36 U	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.25 U	0.25 U	0.25 U	0.25 U	1.3 U	0.25 U	5 U	1.2 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.34 U	0.34 U	0.34 U	0.34 U	1.7 U	0.34 U	15 U	3.8 U	1.5 U	6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	**5**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.57 U	0.57 U	0.57 U	0.9 J	2.9 U	0.57 U	5 U	1.2 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.82 U	0.82 U	0.82 U	0.82 U	4.1 U	0.82 U	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	UG/L	2 U	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	20 U	5 U	2 U	8 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.23 U	0.23 U	0.23 U	0.23 U	1.2 U	0.23 U	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	1.8 J	1.4 J	1.6 J
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	0.74 U	0.74 U	0.74 U	0.74 U	3.7 U	0.74 U	25 U	6.2 U	2.5 UJ	10 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	2 U	2 U	2 U	0.24 U	0.24 U	0.24 U	0.24 U	1.2 U	0.24 U	20 U	5 U	2 U	8 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.21 U	0.21 U	0.21 U	0.21 U	1.1 U	0.21 U	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.36 U	0.36 U	0.36 U	0.36 U	1.8 U	0.36 U	5 U	1.2 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U	1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	10 U	2.5 U	1 U	4 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	20 U	5 U	2 U	8 U	2 U	2 U	2 U	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	250 U	250 U	250 UJ	250 UJ	250 U	NA	NA	NA	NA	NA	NA	2500 U	620 U	250 U	1000 U	250 U	250 U	250 UJ	250 U	250 U	250 U
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	5 U	5 R	5 UJ	5 U	5 U	1.7 U	1.7 U	1.7 U	1.7 U	8.3 U	1.7 U	50 U	12 U	5 UJ	20 U	5 UJ	5 R	5 UJ	5 U	5 UJ	5 UJ
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	UG/L	2 U	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	20 U	5 U	2 U	8 U	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	**50**	UG/L	5 UJ	18 J	5 U	16	7.8	1.3 U	1.3 U	1.3 U	1.9 U	6.2 U	2.3 U	50 U	12 U	5 UJ	20 U	2.5 J	7 J	14	31 J	8.2 J	7.8
Acrylonitrile	5	UG/L	5 U	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	50 U	12 U	5 U	20 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	**1**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	5 U	1.2 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.32 U	0.32 U	0.32 U	0.32 U	1.6 U	0.32 U	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	**50**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.32 U	0.32 U	0.32 U	0.32 U	1.6 U	0.32 U	5 U	1.2 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	UG/L	2 U	2 U	2 U	2 U	2 U	0.42 U	0.42 U	0.42 U	0.42 U	2.1 U	0.42 U	20 U	5 U	2 U	8 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	UG/L	2.5 R	2.5 UJ	2.5 U	2.5 UJ	2.5 U	0.29 U	0.29 U	0.29 U	0.29 UJ	1.5 U	0.29 U	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 UJ	2.5 U	2.5 UJ	2.5 R	2.5 R
Carbon Disulfide	60	UG/L	5 U	5 U	5 U	5 U	5 U	0.22 U	0.22 U	0.22 U	0.22 U	1.1 U	0.22 U	50 U	12 U	5 U	20 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.45 U	0.45 U	0.45 U	0.45 U	2.3 U	0.45 U	5 U	1.2 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	1.5 U	0.29 U	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	0.24 U	0.24 U	0.24 U	0.24 U	1.2 U	0.24 U	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
Chloroform	**7**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U	1.3 U	0.25 U	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	UG/L	2.5 R	2.5 U	2.5 UJ	2.5 U	2.5 U	0.21 U	0.21 U	0.21 U	0.21 U	1.1 U	0.21 U	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 R	2.5 R
Cis-1,2-Dichloroethylene	**5**	UG/L	0.77 J	2.5 U	2.5 U	2.5 U	2.5 U	5	**5.8**	**5.8**	**910 D**	**850**	**7.6**	**1200**	**320**	**56**	**450**	**110**	2.5 U	2.5 U	1.8 J	2.5 U	2.5 U
Cis-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.24 U	0.24 U	0.24 U	0.24 U	1.2 U	0.24 U	5 U	1.2 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	--	UG/L	NA	NA	NA	NA	NA	0.25 U	0.25 U	0.25 U	0.25 U	1.3 U	0.25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cymene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.31 U	0.31 U	0.31 U	0.31 U	1.6 U	0.31 U	5 U	1.2 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	50 U	12 U	5 U	20 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	0.46 U	0.46 U	0.46 U	0.46 U	2.3 U	0.46 U	50 U	12 U	5 U	20 U	5 UJ	5 U	5 U	5 U	5 U	5 U
Dichloroethylenes	**5**	UG/L	0.77 J	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	**1200**	**320**	**56**	**450**	**110**	2.5 U	2.5 U	1.8 J	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
M,P-Xylene (Sum Of Isomers)	5	UG/L	NA	NA	NA	NA	NA	0.33 U	0.33 U	0.33 U	0.53 J	1.7 U	0.33 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	--	UG/L	NA	NA	NA	NA	NA	0.43 U	0.43 U	0.43 U	0.43 U	2.2 U	0.43 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L	5 U	7.1 J	5 U	5 U	5 UJ	0.81 U	0.81 U	0.81 U	0.81 U	4.1 U	0.81 U	50 U	12 U	5 UJ	20 U	5 UJ	5 UJ	2.1 J	**78**	16 J	15 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 UJ	5 UJ	5 U	5 U	0.67 U	0.67 U	0.67 U	0.67 U	3.4 U	0.67 U	50 U	12 U	5 U	20 U	5 U	5 UJ	5 UJ	5 U	5 UJ	5 UJ
Methylcyclohexane	--	UG/L	NA	NA	NA	NA	NA	0.27 U	0.27 U	0.27 U	0.27 U	1.4 U	0.27 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.3 U	0.6 U	0.6 U	0.6 U	3 U	0.6 U	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ
O-Xylene (1,2-Dimethylbenzene)	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.39 J	1 U	0.2 U	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	1.1 J	0.91 J	1.2 J
Sec-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.29 U	0.29 U	0.29 U	0.29 U	1.5 U	0.29 U	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 U	0.3 U	0.3 U	0.3 U	1.5 U	0.3 U	5 U	1.2 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.51 J	1 U	0.2 U	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	0.72 J	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	5 U	1.2 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.33 U	0.33 U	0.33 U	1.2	1.7 U	0.33 U	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	5 U	1.2 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	2.5 UJ	2.5 R	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	25 U	6.2 U	2.5 UJ	10 U	2.5 U	2.5 R	2.5 U	2.5 UJ	2.5 R	2.5 R
Trichloroethylene (TCE)	**5**	UG/L	0.82	0.55	0.99	0.84	0.59	**6**	**5.9**	0.74 J	3	2 J	2.6	5 U	1 J	0.57	0.72 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	UG/L	2.5 UJ	2.5 UJ	2.5 UJ	2.5 U	2.5 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	--	UG/L	5 U	5 UJ	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	50 U	12 U	5 U	20 U	5 U	5 UJ	5 UJ	5 R	5 R	5 R
Vinyl Chloride	**2**	UG/L	0.49 J	1 U	1 UJ	1 U	1 U	0.32 U	0.32 U	0.32 U	**220 D**	**310**	0.32 U	**120**	**390**	**110**	**280**	**87**	1 U	0.3 J	0.59 J	1 U	1 U
Xylenes	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	25 U	6.2 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	1.1 J	0.91 J	1.2 J

FIGURES

1. Site Location Map
2. Aerial Photo of the Site
3. Groundwater Table Elevations Contour Map
4. Groundwater Monitoring Results – Exceedances (November 2025)



QUADRANGLE LOCATION

SOURCE:
USGS; 2016, Fairport, NY
7.5 Minute Topographic Quadrangle

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0 2000'

Title:

SITE LOCATION MAP

SITE NO. 828161
1000 TURK HILL ROAD, TURK HILL PARK
FAIRPORT, NEW YORK

Prepared for:

NEW COLEMAN HOLDINGS INC.

ROUX

Compiled by: C.B.	Date: 20AUG24	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	1
Project Mgr.: C.B.	Project No.: 3113.0001Y000	
File: 3113.0001Y106.01.CDR		

\3113Y\0001Y\106\3109.0001Y106.01.CDR

SOURCE: GOOGLE EARTH 5/22/2023 IMAGE

LEGEND

SITE BOUNDARY

N

70' 0 70'

Title:

AERIAL PHOTO OF SITE

SITE NO. 828161
1000 TURK HILL ROAD, TURK HILL PARK
FAIRPORT, NEW YORK

Prepared for:

NEW COLEMEN HOLDINGS INC.

ROUX

Compiled by: N.E.	Date: 21AUG24	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	2
Project Mgr: C.B.	Project: 3113.0001Y000	
File: 3113.0001Y106.07.DWG		

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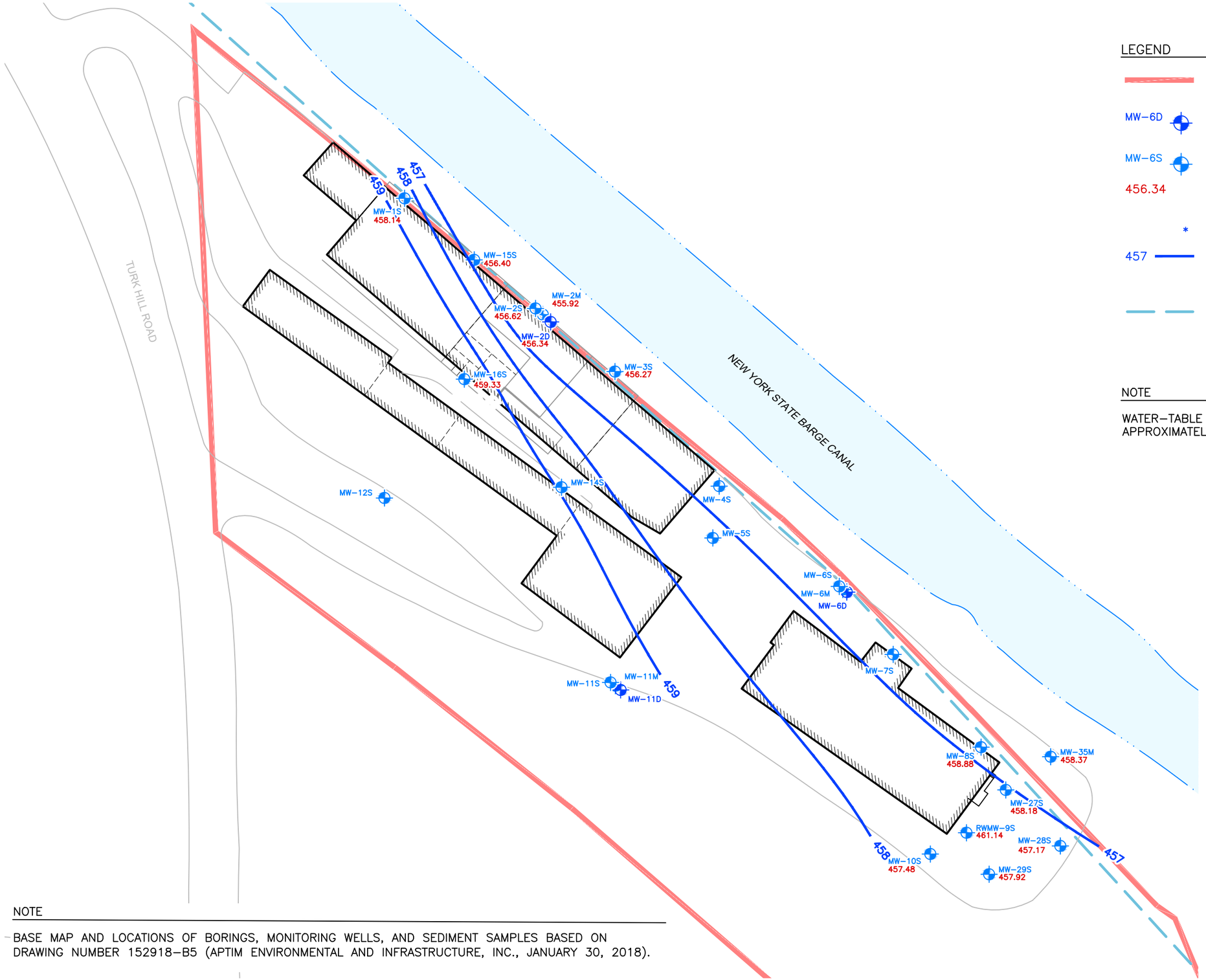


LEGEND

- SITE BOUNDARY
- MW-6D — SHALLOW / MEDIUM SOIL BORING / MONITORING WELL LOCATION AND DESIGNATION
- MW-6S — DEEP SOIL BORING / MONITORING WELL LOCATION AND DESIGNATION
- 456.34 — WATER-TABLE ELEVATION, IN FEET RELATIVE TO MEAN SEA LEVEL (NOVEMBER 2025)
- * — DATA NOT USED IN CONTOUR MAP
- 457 — LINE OF EQUAL WATER-TABLE ELEVATION, IN FEET RELATIVE TO MEAN SEA LEVEL (DASHED WHERE INFERRED) (NOVEMBER 2025)
- APPROXIMATE LOCATION OF NEW YORK STATE CANAL CORPORATION "BLUE LINE" INDICATING LIMIT OF ONSITE CANAL EASEMENT

NOTE

WATER-TABLE MEASURED WHEN BARGE CANAL WAS AT APPROXIMATELY MEDIUM HIGH WATER.

NOTE

BASE MAP AND LOCATIONS OF BORINGS, MONITORING WELLS, AND SEDIMENT SAMPLES BASED ON DRAWING NUMBER 152918-B5 (APTIM ENVIRONMENTAL AND INFRASTRUCTURE, INC., JANUARY 30, 2018).

Title:

GROUND WATER TABLE ELEVATIONS (NOVEMBER 2025)

SITE NO. 82861
1000 TURK HILL ROAD, TURK HILL PARK
FAIRPORT, NEW YORK

Prepared for:

NEW COLEMAN HOLDINGS INC.

ROUX

Compiled by: M.S.	Date: 2/18/2026	FIGURE
Prepared by: G.M.	Scale: AS SHOWN	3
Project Mgr: M.S.	Project: 3113.0001Y000	
File: 3113.0001Y237.02.DWG		

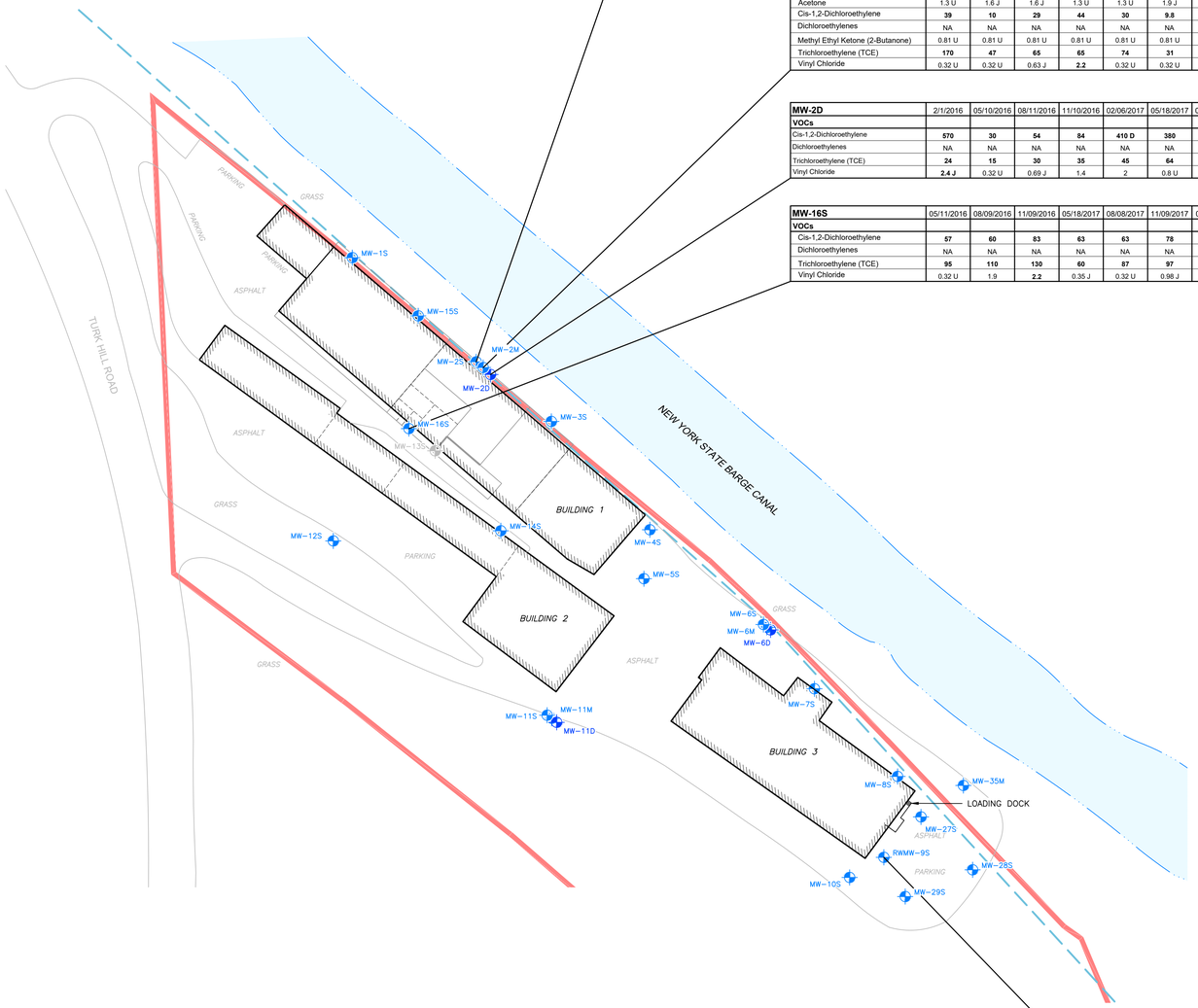
V:\CAD\PROJECTS\3113Y\0001Y237\3113.0001Y237.02.DWG GMILTON

MW-2S	05/10/2016	08/11/2016	11/10/2016	05/19/2017	08/10/2017	11/10/2017	07/22/2021	06/14/2022	06/07/2023	08/02/2024	11/12/2024	04/22/2025	07/31/2025	09/23/2025	11/25/2025
VOCs															
Acetone	3.2 J	2.2 J	1.3 U	1.3 U	1.6 U	1.9 J	5 U	5 U	5 U	5 U	5 U	3.7 J	**110**	**74 J**	23 J
Cis-1,2-Dichloroethylene	1.9	**14**	**12**	2.7	**8.3**	**33**	2.8	3.4	3.2	**5.3**	0.92 J	2.5 U	**28**	**14**	**7.1 J**
Dichloroethylenes	NA	NA	NA	NA	NA	NA	2.8	3.4	3.2	**5.3**	0.92 J	2.5 U	**28**	**15 J**	**7.1 J**
Methyl Ethyl Ketone (2-Butanone)	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	5 U	5 U	5 U	5 U	5 UJ	5 U	**76**	38	**120 J**
Trichloroethylene (TCE)	**5.1**	**23**	**11**	4.5	**27**	**100**	**15**	**12**	**25**	**17**	0.66	0.23 J	**6.5**	0.5 U	0.38 R
Vinyl Chloride	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.39 J	1 U	1 U	1 U	1 U	1 U	1 U	0.35 J	**37**	1.4 J

MW-2M	02/01/2016	05/10/2016	08/11/2016	11/10/2016	02/06/2017	05/19/2017	08/10/2017	11/10/2017	03/07/2018	07/22/2021	06/14/2022	06/07/2023	08/02/2024	11/11/2024	04/22/2025	07/31/2025	09/22/2025	11/25/2025
VOCs																		
Acetone	1.3 U	1.6 J	1.6 J	1.3 U	1.3 U	1.9 J	1.7 U	1.3 U	1.3 U	5 U	5 U	5 U	5 U	5 UJ	3.2 J	**54**	**190 J**	**880**
Cis-1,2-Dichloroethylene	**39**	**10**	**29**	**44**	**30**	**9.8**	**23**	**50**	**55**	**9.2**	**6.6**	**8.2**	**7.8**	**22 J**	3	**13**	**76 J**	**27**
Dichloroethylenes	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10 J**	**6.6**	**8.2**	**7.8**	**23 J**	3	**13**	**76 J**	**27**
Methyl Ethyl Ketone (2-Butanone)	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	5 U	5 U	5 U	5 U	5 U	5 U	8	**400 J**	**150**
Trichloroethylene (TCE)	**170**	**47**	**65**	**65**	**74**	**31**	**82**	**140**	**710**	**54**	**25**	**69**	**38**	**54**	**32**	**19**	**7.7 J**	2.1 J
Vinyl Chloride	0.32 U	0.32 U	0.63 J	**2.2**	0.32 U	0.32 U	0.55 J	0.53 J	0.84 J	0.21 J	0.18 J	0.26 J	0.29 J	1.2 J	1 U	0.91 J	**9.4 J**	**31**

MW-2D	2/1/2016	05/10/2016	08/11/2016	11/10/2016	02/06/2017	05/18/2017	08/10/2017	11/08/2017	03/08/2018	07/22/2021	06/14/2022	06/07/2023	08/02/2024	11/11/2024	04/22/2025	08/01/2025	09/22/2025	11/24/2025
VOCs																		
Cis-1,2-Dichloroethylene	**570**	**30**	**54**	**84**	**410 D**	**380**	**190**	**90**	**11**	**9**	**14**	2.5	3	3.8 J	**2500**	**12**	**38 J**	**10**
Dichloroethylenes	NA	NA	NA	NA	NA	NA	NA	NA	NA	**9**	**14**	2.5	3	3.8	**2500 J**	**12**	**39 J**	**10**
Trichloroethylene (TCE)	**24**	**15**	**30**	**35**	**45**	**64**	**44**	**38**	**45**	**32**	**31**	**39**	**22**	**23**	**300**	**6.2**	0.5 U	**7.7**
Vinyl Chloride	**2.4 J**	0.32 U	0.69 J	1.4	2	0.8 U	0.32 U	0.32 U	0.32 U	1 U	1 U	1 U	1 U	1 UJ	**13 J**	1 U	**7.3 J**	**10**

MW-16S	05/11/2016	08/09/2016	11/09/2016	05/18/2017	08/08/2017	11/09/2017	07/23/2021	06/16/2022	06/06/2023	08/01/2024	11/12/2024	04/22/2025	07/31/2025	09/23/2025	11/25/2025
VOCs															
Cis-1,2-Dichloroethylene	**57**	**60**	**83**	**63**	**63**	**78**	**10**	**9.4**	3.6	**29**	1.1 J	**8.6**	**14**	**11**	**71**
Dichloroethylenes	NA	NA	NA	NA	NA	NA	**10**	**9.4**	3.6	**29**	1.1 J	**8.6**	**14**	**11**	**71**
Trichloroethylene (TCE)	**95**	**110**	**130**	**60**	**87**	**97**	**34**	**33**	**20**	**40**	3.7	**21**	**21**	**8.8**	**6.8**
Vinyl Chloride	0.32 U	1.9	**2.2**	0.35 J	0.32 U	0.98 J	0.37 J	1 U	1 U	1 U	1 U	0.59 J	1 U	1 U	1.6



MW-9S/ RXMW-9S	02/03/2016	02/03/2016	05/11/2016	08/12/2016	11/10/2016	02/08/2017	05/19/2017	08/11/2017	07/21/2021	10/04/2021	06/15/2022	06/07/2023	08/01/2024	11/12/2024	04/21/2025	07/31/2025	09/23/2025	11/25/2025
VOCs																		
Acetone	620 U	6200 U	6200 U	6200 U	6200 U	6200 U	6200 U	6200 U	100 U	**100**	**110 J**	15 J-	26	**230**	17 J	22	30 J	5.8 J
Cis-1,2-Dichloroethylene	**720000**	**720000 D**	**1900000 D**	**740000**	**740000**	**490000**	**850000**	**750000**	**2600**	**1900**	**4400**	**33**	**540 J**	**520**	**28**	**87**	**110**	**5.7**
Dichloroethylenes	NA	NA	NA	NA	NA	NA	NA	NA	**2600**	**1900**	**4400**	**35 J**	**540 J**	**520**	**28**	**88 J**	**110 J**	**7.3 J**
Methyl Ethyl Ketone (2-Butanone)	410 U	4100 U	4100 U	4100 U	4100 U	4100 U	4100 U	4100 U	100 U	**69 J**	120 U	9.3	25 U	**94 J**	5 UJ	5 U	5 U	5 UJ
Trichloroethylene (TCE)	**96000**	**93000 D**	**190000**	**110000**	**140000**	**65000**	**180000**	**160000**	**220**	**180**	**110**	**8.8**	**25**	**24**	**9.8**	**14**	**13**	**9.6**
Vinyl Chloride	**4100**	**4400 DJ**	**5000 J**	**3700 J**	**3500 J**	**2500 J**	**4700 J**	**3000 J**	**6.4 J**	**61**	**1000**	**91**	**86 J**	**870**	2	**46**	**140**	**36**

LEGEND

- SITE BOUNDARY (SEE FIGURE 2 FOR EXTENT OF BOUNDARY)
- MW-11D — LOCATION AND DESIGNATION OF DEEP SOIL BORING/ MONITORING WELL
- MW-11S — LOCATION AND DESIGNATION OF SHALLOW/MEDIUM SOIL BORING/MONITORING WELL
- MW-13S — PREVIOUSLY DESTROYED WELL
- CANAL EASEMENT LINE

TYPICAL DATA BOX INFORMATION

SAMPLE ID	MW-2S	7/22/2021	SAMPLE DATE
	VOCs		
ANALYTES	Acetone	5 U	CONCENTRATIONS
	Cis-1,2-Dichloroethylene	2.8	
	Dichloroethylenes	2.8	
	Vinyl Chloride	1 U	

Parameter	NYSDEC AWQSGV	Units
VOCs		
Acetone	**50**	µg/L
Cis-1,2-Dichloroethylene	**5**	µg/L
Dichloroethylenes	**5**	µg/L
Methyl Ethyl Ketone (2-Butanone)	**50**	µg/L
Trichloroethylene (TCE)	**5**	µg/L
Vinyl Chloride	**2**	µg/L
General Chemistry		
Nitrogen, Nitrate-Nitrite	**10000**	µg/L
Sulfate (As SO4)	**250000**	µg/L

CONCENTRATIONS IN µg/L

µg/L – MICROGRAMS PER LITER

NYSDEC – NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

AWQSGVS – AMBIENT WATER–QUALITY STANDARDS AND GUIDANCE VALUES

– – NO NYSDEC AWQSGV AVAILABLE

J – ESTIMATED VALUE

DUP – DUPLICATE SAMPLE

VOCS – VOLATILE ORGANIC COMPOUNDS

NE – NO EXCEEDANCES

ND – NOT DETECTED

N

60' 0 60'

Title:

GROUNDWATER MONITORING RESULTS NOVEMBER, 2025

SITE NO. 828161
1000 TURK HILL ROAD, TURK HILL PARK, FAIRPORT, NEW YORK

Prepared for:

NEW COLEMAN HOLDINGS INC.

ROUX

Compiled by: M.S.	Date: 2/19/2026	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	4
Project Mgr: M.S.	Project: 3113.0001Y000	
File: 3113.0001Y241.01.DWG		

M:\CAD\PROJECTS\3113\Y.0001\Y241\3113.0001Y241.01.DWG GMALTON

APPENDICES

A. Laboratory Data
B. Data Usability Summary Report (DUSR)
C. Groundwater Monitoring Field Forms

APPENDIX A

Laboratory Data

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Matthew Smith
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia, New York 11749

Generated 12/3/2025 9:43:21 AM

JOB DESCRIPTION

1000 Turk Hill Road, Fairport, NY

JOB NUMBER

460-340260-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

Eurofins Edison

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization

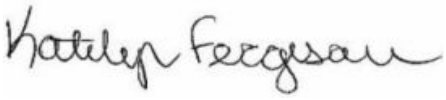

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Table of Contents

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Definitions/Glossary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-340260-1
Project/Site: 1000 Turk Hill Road, Fairport, NY

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	Surrogate is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
460-340260-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 11/26/2025 10:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.1°C.

Method 8260D - Volatile Organic Compounds by GC/MS
Samples MW-2s (460-340260-1), MW-2m (460-340260-2), MW-16s (460-340260-3), MW-35m (460-340260-4) and Trip-Blank (460-340260-5) were analyzed for Volatile Organic Compounds by GC/MS. The samples were analyzed on 12/1/2025.

The continuing calibration verification (CCV) analyzed in batch 460-1077549 was outside the method criteria for the following analytes: Bromomethane, Dichlorodifluoromethane and Trichlorofluoromethane (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Four surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: MW-2m (460-340260-2) and MW-35m (460-340260-4). These results have been reported and qualified.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-340260-1
Project/Site: 1000 Turk Hill Road, Fairport, NY

Client Sample ID: MW-2s — Lab Sample ID: 460-340260-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	140		5.0	3.9	ug/L	1		8260D	Total/NA
Acetone	58		5.0	4.4	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	8.3		1.0	0.48	ug/L	1		8260D	Total/NA
Trichloroethene	0.34		0.28	0.074	ug/L	1		8260D	Total/NA
Vinyl chloride	1.1		1.0	0.40	ug/L	1		8260D	Total/NA

Client Sample ID: MW-2m — Lab Sample ID: 460-340260-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	98		5.0	3.9	ug/L	1		8260D	Total/NA
Acetone	700		5.0	4.4	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	28		1.0	0.48	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	0.81	J	1.0	0.24	ug/L	1		8260D	Total/NA
Trichloroethene	2.0		0.28	0.074	ug/L	1		8260D	Total/NA
Vinyl chloride	28		1.0	0.40	ug/L	1		8260D	Total/NA

Client Sample ID: MW-16s — Lab Sample ID: 460-340260-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	7.7		5.0	3.9	ug/L	1		8260D	Total/NA
Acetone	15		5.0	4.4	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	68		1.0	0.48	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	0.60	J	1.0	0.24	ug/L	1		8260D	Total/NA
Trichloroethene	6.1		0.28	0.074	ug/L	1		8260D	Total/NA
Vinyl chloride	1.7		1.0	0.40	ug/L	1		8260D	Total/NA

Client Sample ID: MW-35m — Lab Sample ID: 460-340260-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	15		5.0	3.9	ug/L	1		8260D	Total/NA
Acetone	11		5.0	4.4	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	0.39	J	1.0	0.30	ug/L	1		8260D	Total/NA
o-Xylene	0.75	J	1.0	0.36	ug/L	1		8260D	Total/NA
Toluene	0.63	J	1.0	0.38	ug/L	1		8260D	Total/NA

Client Sample ID: Trip-Blank — Lab Sample ID: 460-340260-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.6		1.0	0.33	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Roux Environmental Eng & Geology DPC
Project/Site: 1000 Turk Hill Road, Fairport, NY

Job ID: 460-340260-1

Client Sample ID: MW-2s
Date Collected: 11/25/25 14:30
Date Received: 11/26/25 10:45

Lab Sample ID: 460-340260-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			12/01/25 18:25	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.085	ug/L			12/01/25 18:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			12/01/25 18:25	1
1,1,2-Trichloroethane	0.58	U	0.58	0.19	ug/L			12/01/25 18:25	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			12/01/25 18:25	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			12/01/25 18:25	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			12/01/25 18:25	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			12/01/25 18:25	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			12/01/25 18:25	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			12/01/25 18:25	1
1,2-Dichloroethane	0.30	U	0.30	0.087	ug/L			12/01/25 18:25	1
1,2-Dichloropropane	0.92	U	0.92	0.074	ug/L			12/01/25 18:25	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			12/01/25 18:25	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			12/01/25 18:25	1
2-Butanone (MEK)	**140**		5.0	3.9	ug/L			12/01/25 18:25	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			12/01/25 18:25	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			12/01/25 18:25	1
Acetone	**58**		5.0	4.4	ug/L			12/01/25 18:25	1
Benzene	0.45	U	0.45	0.070	ug/L			12/01/25 18:25	1
Bromoform	1.0	U	1.0	0.54	ug/L			12/01/25 18:25	1
Bromomethane	1.0	U	1.0	0.55	ug/L			12/01/25 18:25	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			12/01/25 18:25	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			12/01/25 18:25	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			12/01/25 18:25	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			12/01/25 18:25	1
Chlorodibromomethane	0.78	U	0.78	0.086	ug/L			12/01/25 18:25	1
Chloroethane	1.0	U	1.0	0.32	ug/L			12/01/25 18:25	1
Chloroform	1.0	U	1.0	0.33	ug/L			12/01/25 18:25	1
Chloromethane	1.0	U	1.0	0.40	ug/L			12/01/25 18:25	1
cis-1,2-Dichloroethene	**8.3**		1.0	0.48	ug/L			12/01/25 18:25	1
cis-1,3-Dichloropropene	0.45	U	0.45	0.069	ug/L			12/01/25 18:25	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			12/01/25 18:25	1
Dichlorobromomethane	0.98	U	0.98	0.15	ug/L			12/01/25 18:25	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/01/25 18:25	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			12/01/25 18:25	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			12/01/25 18:25	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			12/01/25 18:25	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			12/01/25 18:25	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			12/01/25 18:25	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			12/01/25 18:25	1
Methylene Chloride	1.0	U	1.0	0.65	ug/L			12/01/25 18:25	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			12/01/25 18:25	1
o-Xylene	1.0	U	1.0	0.36	ug/L			12/01/25 18:25	1
Styrene	1.0	U	1.0	0.42	ug/L			12/01/25 18:25	1
Tetrachloroethene	0.40	U	0.40	0.28	ug/L			12/01/25 18:25	1
Toluene	1.0	U	1.0	0.38	ug/L			12/01/25 18:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			12/01/25 18:25	1
trans-1,3-Dichloropropene	0.45	U	0.45	0.12	ug/L			12/01/25 18:25	1
Trichloroethene	**0.34**		0.28	0.074	ug/L			12/01/25 18:25	1

Client Sample ID: MW-2s
Lab Sample ID: 460-340260-1
Date Collected: 11/25/25 14:30
Matrix: Water
Date Received: 11/26/25 10:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			12/01/25 18:25	1
Vinyl chloride	**1.1**		1.0	0.40	ug/L			12/01/25 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 128*		*12/01/25 18:25*	*1*
4-Bromofluorobenzene	*120*		*76 - 120*		*12/01/25 18:25*	*1*
Dibromofluoromethane (Surr)	*81*		*77 - 132*		*12/01/25 18:25*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/01/25 18:25*	*1*

Client Sample ID: MW-2m
Lab Sample ID: 460-340260-2
Date Collected: 11/25/25 10:35
Matrix: Water
Date Received: 11/26/25 10:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			12/01/25 18:00	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.085	ug/L			12/01/25 18:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			12/01/25 18:00	1
1,1,2-Trichloroethane	0.58	U	0.58	0.19	ug/L			12/01/25 18:00	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			12/01/25 18:00	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			12/01/25 18:00	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			12/01/25 18:00	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			12/01/25 18:00	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			12/01/25 18:00	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			12/01/25 18:00	1
1,2-Dichloroethane	0.30	U	0.30	0.087	ug/L			12/01/25 18:00	1
1,2-Dichloropropane	0.92	U	0.92	0.074	ug/L			12/01/25 18:00	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			12/01/25 18:00	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			12/01/25 18:00	1
2-Butanone (MEK)	**98**		5.0	3.9	ug/L			12/01/25 18:00	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			12/01/25 18:00	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			12/01/25 18:00	1
Acetone	**700**		5.0	4.4	ug/L			12/01/25 18:00	1
Benzene	0.45	U	0.45	0.070	ug/L			12/01/25 18:00	1
Bromoform	1.0	U	1.0	0.54	ug/L			12/01/25 18:00	1
Bromomethane	1.0	U	1.0	0.55	ug/L			12/01/25 18:00	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			12/01/25 18:00	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			12/01/25 18:00	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			12/01/25 18:00	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			12/01/25 18:00	1
Chlorodibromomethane	0.78	U	0.78	0.086	ug/L			12/01/25 18:00	1
Chloroethane	1.0	U	1.0	0.32	ug/L			12/01/25 18:00	1
Chloroform	1.0	U	1.0	0.33	ug/L			12/01/25 18:00	1
Chloromethane	1.0	U	1.0	0.40	ug/L			12/01/25 18:00	1
cis-1,2-Dichloroethene	**28**		1.0	0.48	ug/L			12/01/25 18:00	1
cis-1,3-Dichloropropene	0.45	U	0.45	0.069	ug/L			12/01/25 18:00	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			12/01/25 18:00	1
Dichlorobromomethane	0.98	U	0.98	0.15	ug/L			12/01/25 18:00	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/01/25 18:00	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			12/01/25 18:00	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: 1000 Turk Hill Road, Fairport, NY

Job ID: 460-340260-1

Client Sample ID: MW-2m

Date Collected: 11/25/25 10:35
Date Received: 11/26/25 10:45

Lab Sample ID: 460-340260-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			12/01/25 18:00	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			12/01/25 18:00	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			12/01/25 18:00	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			12/01/25 18:00	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			12/01/25 18:00	1
Methylene Chloride	1.0	U	1.0	0.65	ug/L			12/01/25 18:00	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			12/01/25 18:00	1
o-Xylene	1.0	U	1.0	0.36	ug/L			12/01/25 18:00	1
Styrene	1.0	U	1.0	0.42	ug/L			12/01/25 18:00	1
Tetrachloroethene	0.40	U	0.40	0.28	ug/L			12/01/25 18:00	1
Toluene	1.0	U	1.0	0.38	ug/L			12/01/25 18:00	1
trans-1,2-Dichloroethene	**0.81**	**J**	1.0	0.24	ug/L			12/01/25 18:00	1
trans-1,3-Dichloropropene	0.45	U	0.45	0.12	ug/L			12/01/25 18:00	1
Trichloroethene	**2.0**		0.28	0.074	ug/L			12/01/25 18:00	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			12/01/25 18:00	1
Vinyl chloride	**28**		1.0	0.40	ug/L			12/01/25 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 128*		*12/01/25 18:00*	*1*
4-Bromofluorobenzene	*121*	*	*76 - 120*		*12/01/25 18:00*	*1*
Dibromofluoromethane (Surr)	*82*		*77 - 132*		*12/01/25 18:00*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*12/01/25 18:00*	*1*

Client Sample ID: MW-16s

Date Collected: 11/25/25 13:45
Date Received: 11/26/25 10:45

Lab Sample ID: 460-340260-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			12/01/25 18:50	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.085	ug/L			12/01/25 18:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			12/01/25 18:50	1
1,1,2-Trichloroethane	0.58	U	0.58	0.19	ug/L			12/01/25 18:50	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			12/01/25 18:50	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			12/01/25 18:50	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			12/01/25 18:50	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			12/01/25 18:50	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			12/01/25 18:50	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			12/01/25 18:50	1
1,2-Dichloroethane	0.30	U	0.30	0.087	ug/L			12/01/25 18:50	1
1,2-Dichloropropane	0.92	U	0.92	0.074	ug/L			12/01/25 18:50	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			12/01/25 18:50	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			12/01/25 18:50	1
2-Butanone (MEK)	**7.7**		5.0	3.9	ug/L			12/01/25 18:50	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			12/01/25 18:50	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			12/01/25 18:50	1
Acetone	**15**		5.0	4.4	ug/L			12/01/25 18:50	1
Benzene	0.45	U	0.45	0.070	ug/L			12/01/25 18:50	1
Bromoform	1.0	U	1.0	0.54	ug/L			12/01/25 18:50	1
Bromomethane	1.0	U	1.0	0.55	ug/L			12/01/25 18:50	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: 1000 Turk Hill Road, Fairport, NY

Job ID: 460-340260-1

Client Sample ID: MW-16s

Date Collected: 11/25/25 13:45
Date Received: 11/26/25 10:45

Lab Sample ID: 460-340260-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	1.0	U	1.0	0.82	ug/L			12/01/25 18:50	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			12/01/25 18:50	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			12/01/25 18:50	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			12/01/25 18:50	1
Chlorodibromomethane	0.78	U	0.78	0.086	ug/L			12/01/25 18:50	1
Chloroethane	1.0	U	1.0	0.32	ug/L			12/01/25 18:50	1
Chloroform	1.0	U	1.0	0.33	ug/L			12/01/25 18:50	1
Chloromethane	1.0	U	1.0	0.40	ug/L			12/01/25 18:50	1
cis-1,2-Dichloroethene	**68**		1.0	0.48	ug/L			12/01/25 18:50	1
cis-1,3-Dichloropropene	0.45	U	0.45	0.069	ug/L			12/01/25 18:50	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			12/01/25 18:50	1
Dichlorobromomethane	0.98	U	0.98	0.15	ug/L			12/01/25 18:50	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/01/25 18:50	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			12/01/25 18:50	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			12/01/25 18:50	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			12/01/25 18:50	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			12/01/25 18:50	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			12/01/25 18:50	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			12/01/25 18:50	1
Methylene Chloride	1.0	U	1.0	0.65	ug/L			12/01/25 18:50	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			12/01/25 18:50	1
o-Xylene	1.0	U	1.0	0.36	ug/L			12/01/25 18:50	1
Styrene	1.0	U	1.0	0.42	ug/L			12/01/25 18:50	1
Tetrachloroethene	0.40	U	0.40	0.28	ug/L			12/01/25 18:50	1
Toluene	1.0	U	1.0	0.38	ug/L			12/01/25 18:50	1
trans-1,2-Dichloroethene	**0.60**	**J**	1.0	0.24	ug/L			12/01/25 18:50	1
trans-1,3-Dichloropropene	0.45	U	0.45	0.12	ug/L			12/01/25 18:50	1
Trichloroethene	**6.1**		0.28	0.074	ug/L			12/01/25 18:50	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			12/01/25 18:50	1
Vinyl chloride	**1.7**		1.0	0.40	ug/L			12/01/25 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 128*		*12/01/25 18:50*	*1*
4-Bromofluorobenzene	*117*		*76 - 120*		*12/01/25 18:50*	*1*
Dibromofluoromethane (Surr)	*82*		*77 - 132*		*12/01/25 18:50*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/01/25 18:50*	*1*

Client Sample ID: MW-35m

Date Collected: 11/25/25 09:45
Date Received: 11/26/25 10:45

Lab Sample ID: 460-340260-4

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			12/01/25 17:34	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.085	ug/L			12/01/25 17:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			12/01/25 17:34	1
1,1,2-Trichloroethane	0.58	U	0.58	0.19	ug/L			12/01/25 17:34	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			12/01/25 17:34	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			12/01/25 17:34	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			12/01/25 17:34	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: 1000 Turk Hill Road, Fairport, NY

Job ID: 460-340260-1

Client Sample ID: MW-35m
Date Collected: 11/25/25 09:45
Date Received: 11/26/25 10:45

Lab Sample ID: 460-340260-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			12/01/25 17:34	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			12/01/25 17:34	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			12/01/25 17:34	1
1,2-Dichloroethane	0.30	U	0.30	0.087	ug/L			12/01/25 17:34	1
1,2-Dichloropropane	0.92	U	0.92	0.074	ug/L			12/01/25 17:34	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			12/01/25 17:34	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			12/01/25 17:34	1
2-Butanone (MEK)	**15**		5.0	3.9	ug/L			12/01/25 17:34	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			12/01/25 17:34	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			12/01/25 17:34	1
Acetone	**11**		5.0	4.4	ug/L			12/01/25 17:34	1
Benzene	0.45	U	0.45	0.070	ug/L			12/01/25 17:34	1
Bromoform	1.0	U	1.0	0.54	ug/L			12/01/25 17:34	1
Bromomethane	1.0	U	1.0	0.55	ug/L			12/01/25 17:34	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			12/01/25 17:34	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			12/01/25 17:34	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			12/01/25 17:34	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			12/01/25 17:34	1
Chlorodibromomethane	0.78	U	0.78	0.086	ug/L			12/01/25 17:34	1
Chloroethane	1.0	U	1.0	0.32	ug/L			12/01/25 17:34	1
Chloroform	1.0	U	1.0	0.33	ug/L			12/01/25 17:34	1
Chloromethane	1.0	U	1.0	0.40	ug/L			12/01/25 17:34	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.48	ug/L			12/01/25 17:34	1
cis-1,3-Dichloropropene	0.45	U	0.45	0.069	ug/L			12/01/25 17:34	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			12/01/25 17:34	1
Dichlorobromomethane	0.98	U	0.98	0.15	ug/L			12/01/25 17:34	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/01/25 17:34	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			12/01/25 17:34	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			12/01/25 17:34	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			12/01/25 17:34	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			12/01/25 17:34	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			12/01/25 17:34	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			12/01/25 17:34	1
Methylene Chloride	1.0	U	1.0	0.65	ug/L			12/01/25 17:34	1
m-Xylene & p-Xylene	**0.39**	**J**	1.0	0.30	ug/L			12/01/25 17:34	1
o-Xylene	**0.75**	**J**	1.0	0.36	ug/L			12/01/25 17:34	1
Styrene	1.0	U	1.0	0.42	ug/L			12/01/25 17:34	1
Tetrachloroethene	0.40	U	0.40	0.28	ug/L			12/01/25 17:34	1
Toluene	**0.63**	**J**	1.0	0.38	ug/L			12/01/25 17:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			12/01/25 17:34	1
trans-1,3-Dichloropropene	0.45	U	0.45	0.12	ug/L			12/01/25 17:34	1
Trichloroethene	0.28	U	0.28	0.074	ug/L			12/01/25 17:34	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			12/01/25 17:34	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			12/01/25 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 128*		*12/01/25 17:34*	*1*
4-Bromofluorobenzene	*121*	*	*76 - 120*		*12/01/25 17:34*	*1*
Dibromofluoromethane (Surr)	*83*		*77 - 132*		*12/01/25 17:34*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*12/01/25 17:34*	*1*

Client: Roux Environmental Eng & Geology DPC
Project/Site: 1000 Turk Hill Road, Fairport, NY

Job ID: 460-340260-1

Client Sample ID: Trip-Blank

Date Collected: 11/25/25 08:00
Date Received: 11/26/25 10:45

Lab Sample ID: 460-340260-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			12/01/25 15:53	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.085	ug/L			12/01/25 15:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			12/01/25 15:53	1
1,1,2-Trichloroethane	0.58	U	0.58	0.19	ug/L			12/01/25 15:53	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			12/01/25 15:53	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			12/01/25 15:53	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			12/01/25 15:53	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			12/01/25 15:53	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			12/01/25 15:53	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			12/01/25 15:53	1
1,2-Dichloroethane	0.30	U	0.30	0.087	ug/L			12/01/25 15:53	1
1,2-Dichloropropane	0.92	U	0.92	0.074	ug/L			12/01/25 15:53	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			12/01/25 15:53	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			12/01/25 15:53	1
2-Butanone (MEK)	5.0	U	5.0	3.9	ug/L			12/01/25 15:53	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			12/01/25 15:53	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			12/01/25 15:53	1
Acetone	5.0	U	5.0	4.4	ug/L			12/01/25 15:53	1
Benzene	0.45	U	0.45	0.070	ug/L			12/01/25 15:53	1
Bromoform	1.0	U	1.0	0.54	ug/L			12/01/25 15:53	1
Bromomethane	1.0	U	1.0	0.55	ug/L			12/01/25 15:53	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			12/01/25 15:53	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			12/01/25 15:53	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			12/01/25 15:53	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			12/01/25 15:53	1
Chlorodibromomethane	0.78	U	0.78	0.086	ug/L			12/01/25 15:53	1
Chloroethane	1.0	U	1.0	0.32	ug/L			12/01/25 15:53	1
Chloroform	**1.6**		1.0	0.33	ug/L			12/01/25 15:53	1
Chloromethane	1.0	U	1.0	0.40	ug/L			12/01/25 15:53	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.48	ug/L			12/01/25 15:53	1
cis-1,3-Dichloropropene	0.45	U	0.45	0.069	ug/L			12/01/25 15:53	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			12/01/25 15:53	1
Dichlorobromomethane	0.98	U	0.98	0.15	ug/L			12/01/25 15:53	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/01/25 15:53	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			12/01/25 15:53	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			12/01/25 15:53	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			12/01/25 15:53	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			12/01/25 15:53	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			12/01/25 15:53	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			12/01/25 15:53	1
Methylene Chloride	1.0	U	1.0	0.65	ug/L			12/01/25 15:53	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			12/01/25 15:53	1
o-Xylene	1.0	U	1.0	0.36	ug/L			12/01/25 15:53	1
Styrene	1.0	U	1.0	0.42	ug/L			12/01/25 15:53	1
Tetrachloroethene	0.40	U	0.40	0.28	ug/L			12/01/25 15:53	1
Toluene	1.0	U	1.0	0.38	ug/L			12/01/25 15:53	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			12/01/25 15:53	1
trans-1,3-Dichloropropene	0.45	U	0.45	0.12	ug/L			12/01/25 15:53	1
Trichloroethene	0.28	U	0.28	0.074	ug/L			12/01/25 15:53	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-340260-1
Project/Site: 1000 Turk Hill Road, Fairport, NY

Client Sample ID: Trip-Blank
Lab Sample ID: 460-340260-5
Date Collected: 11/25/25 08:00
Matrix: Water
Date Received: 11/26/25 10:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			12/01/25 15:53	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			12/01/25 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 128*		*12/01/25 15:53*	*1*
4-Bromofluorobenzene	*118*		*76 - 120*		*12/01/25 15:53*	*1*
Dibromofluoromethane (Surr)	*83*		*77 - 132*		*12/01/25 15:53*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/01/25 15:53*	*1*

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-340260-1
Project/Site: 1000 Turk Hill Road, Fairport, NY

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-128)	(76-120)	(77-132)	(80-120)
460-340260-1	MW-2s	85	120	81	100
460-340260-2	MW-2m	85	121 *	82	99
460-340260-3	MW-16s	86	117	82	100
460-340260-4	MW-35m	84	121 *	83	101
460-340260-5	Trip-Blank	85	118	83	100
LCS 460-1077549/5	Lab Control Sample	86	116	82	103
LCSD 460-1077549/6	Lab Control Sample Dup	87	115	81	102
MB 460-1077549/9	Method Blank	84	118	82	100

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-1077549/9
Matrix: Water
Analysis Batch: 1077549

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			12/01/25 11:32	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.085	ug/L			12/01/25 11:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			12/01/25 11:32	1
1,1,2-Trichloroethane	0.58	U	0.58	0.19	ug/L			12/01/25 11:32	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			12/01/25 11:32	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			12/01/25 11:32	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			12/01/25 11:32	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			12/01/25 11:32	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			12/01/25 11:32	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			12/01/25 11:32	1
1,2-Dichloroethane	0.30	U	0.30	0.087	ug/L			12/01/25 11:32	1
1,2-Dichloropropane	0.92	U	0.92	0.074	ug/L			12/01/25 11:32	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			12/01/25 11:32	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			12/01/25 11:32	1
2-Butanone (MEK)	5.0	U	5.0	3.9	ug/L			12/01/25 11:32	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			12/01/25 11:32	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			12/01/25 11:32	1
Acetone	5.0	U	5.0	4.4	ug/L			12/01/25 11:32	1
Benzene	0.45	U	0.45	0.070	ug/L			12/01/25 11:32	1
Bromoform	1.0	U	1.0	0.54	ug/L			12/01/25 11:32	1
Bromomethane	1.0	U	1.0	0.55	ug/L			12/01/25 11:32	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			12/01/25 11:32	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			12/01/25 11:32	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			12/01/25 11:32	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			12/01/25 11:32	1
Chlorodibromomethane	0.78	U	0.78	0.086	ug/L			12/01/25 11:32	1
Chloroethane	1.0	U	1.0	0.32	ug/L			12/01/25 11:32	1
Chloroform	1.0	U	1.0	0.33	ug/L			12/01/25 11:32	1
Chloromethane	1.0	U	1.0	0.40	ug/L			12/01/25 11:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.48	ug/L			12/01/25 11:32	1
cis-1,3-Dichloropropene	0.45	U	0.45	0.069	ug/L			12/01/25 11:32	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			12/01/25 11:32	1
Dichlorobromomethane	0.98	U	0.98	0.15	ug/L			12/01/25 11:32	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			12/01/25 11:32	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			12/01/25 11:32	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			12/01/25 11:32	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			12/01/25 11:32	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			12/01/25 11:32	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			12/01/25 11:32	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			12/01/25 11:32	1
Methylene Chloride	1.0	U	1.0	0.65	ug/L			12/01/25 11:32	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			12/01/25 11:32	1
o-Xylene	1.0	U	1.0	0.36	ug/L			12/01/25 11:32	1
Styrene	1.0	U	1.0	0.42	ug/L			12/01/25 11:32	1
Tetrachloroethene	0.40	U	0.40	0.28	ug/L			12/01/25 11:32	1
Toluene	1.0	U	1.0	0.38	ug/L			12/01/25 11:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			12/01/25 11:32	1
trans-1,3-Dichloropropene	0.45	U	0.45	0.12	ug/L			12/01/25 11:32	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1077549/9
Matrix: Water
Analysis Batch: 1077549

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.28	U	0.28	0.074	ug/L			12/01/25 11:32	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			12/01/25 11:32	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			12/01/25 11:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 128*		*12/01/25 11:32*	*1*
4-Bromofluorobenzene	*118*		*76 - 120*		*12/01/25 11:32*	*1*
Dibromofluoromethane (Surr)	*82*		*77 - 132*		*12/01/25 11:32*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/01/25 11:32*	*1*

Lab Sample ID: LCS 460-1077549/5
Matrix: Water
Analysis Batch: 1077549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	16.9		ug/L		84	72 - 128
1,1,2,2-Tetrachloroethane	20.0	20.7		ug/L		104	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.1		ug/L		95	65 - 142
1,1,2-Trichloroethane	20.0	23.5		ug/L		117	74 - 125
1,1-Dichloroethane	20.0	22.9		ug/L		115	73 - 130
1,1-Dichloroethene	20.0	19.8		ug/L		99	68 - 133
1,2,3-Trichlorobenzene	20.0	21.2		ug/L		106	55 - 150
1,2,4-Trichlorobenzene	20.0	20.6		ug/L		103	67 - 132
1,2-Dibromo-3-Chloropropane	20.0	24.5		ug/L		123	58 - 132
1,2-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 120
1,2-Dichloroethane	20.0	18.9		ug/L		95	66 - 129
1,2-Dichloropropane	20.0	24.6		ug/L		123	72 - 128
1,3-Dichlorobenzene	20.0	18.2		ug/L		91	80 - 120
1,4-Dichlorobenzene	20.0	17.8		ug/L		89	80 - 120
2-Butanone (MEK)	100	71.8		ug/L		72	65 - 142
2-Hexanone	100	112		ug/L		112	72 - 134
4-Methyl-2-pentanone (MIBK)	100	111		ug/L		111	77 - 130
Acetone	100	102		ug/L		102	60 - 133
Benzene	20.0	23.6		ug/L		118	71 - 126
Bromoform	20.0	21.9		ug/L		109	58 - 128
Bromomethane	20.0	11.2		ug/L		56	33 - 150
Carbon disulfide	20.0	22.4		ug/L		112	35 - 150
Carbon tetrachloride	20.0	16.7		ug/L		84	65 - 131
Chlorobenzene	20.0	20.2		ug/L		101	80 - 120
Chlorobromomethane	20.0	18.6		ug/L		93	71 - 134
Chlorodibromomethane	20.0	20.9		ug/L		104	73 - 121
Chloroethane	20.0	14.0		ug/L		70	54 - 150
Chloroform	20.0	19.2		ug/L		96	78 - 125
Chloromethane	20.0	20.3		ug/L		102	43 - 149
cis-1,2-Dichloroethene	20.0	19.7		ug/L		98	78 - 121
cis-1,3-Dichloropropene	20.0	23.4		ug/L		117	74 - 125
Cyclohexane	20.0	24.7		ug/L		124	64 - 142
Dichlorobromomethane	20.0	19.6		ug/L		98	76 - 121

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1077549/5
Matrix: Water
Analysis Batch: 1077549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Dichlorodifluoromethane			20.0	14.5		ug/L		72	38 - 144		
Ethylbenzene			20.0	19.5		ug/L		98	78 - 120		
Ethylene Dibromide			20.0	20.0		ug/L		100	79 - 126		
Isopropylbenzene			20.0	19.5		ug/L		97	79 - 125		
Methyl acetate			40.0	47.8		ug/L		120	50 - 147		
Methyl tert-butyl ether			20.0	19.8		ug/L		99	72 - 131		
Methylcyclohexane			20.0	21.0		ug/L		105	63 - 138		
Methylene Chloride			20.0	21.1		ug/L		106	74 - 127		
m-Xylene & p-Xylene			20.0	19.7		ug/L		98	78 - 120		
o-Xylene			20.0	19.9		ug/L		99	78 - 120		
Styrene			20.0	20.4		ug/L		102	82 - 127		
Tetrachloroethene			20.0	20.3		ug/L		102	70 - 127		
Toluene			20.0	21.3		ug/L		106	78 - 120		
trans-1,2-Dichloroethene			20.0	20.2		ug/L		101	70 - 126		
trans-1,3-Dichloropropene			20.0	21.5		ug/L		107	71 - 127		
Trichloroethene			20.0	20.1		ug/L		101	73 - 121		
Trichlorofluoromethane			20.0	12.9		ug/L		64	62 - 134		
Vinyl chloride			20.0	17.7		ug/L		89	55 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 128*
4-Bromofluorobenzene	*116*		*76 - 120*
Dibromofluoromethane (Surr)	*82*		*77 - 132*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: LCSD 460-1077549/6
Matrix: Water
Analysis Batch: 1077549

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			20.0	16.9		ug/L		84	72 - 128	0	30
1,1,2,2-Tetrachloroethane			20.0	22.1		ug/L		111	63 - 139	7	30
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0	18.8		ug/L		94	65 - 142	1	30
1,1,2-Trichloroethane			20.0	23.5		ug/L		117	74 - 125	0	30
1,1-Dichloroethane			20.0	22.7		ug/L		114	73 - 130	1	30
1,1-Dichloroethene			20.0	19.8		ug/L		99	68 - 133	0	30
1,2,3-Trichlorobenzene			20.0	21.8		ug/L		109	55 - 150	3	30
1,2,4-Trichlorobenzene			20.0	20.9		ug/L		105	67 - 132	2	30
1,2-Dibromo-3-Chloropropane			20.0	24.4		ug/L		122	58 - 132	1	30
1,2-Dichlorobenzene			20.0	20.0		ug/L		100	80 - 120	4	30
1,2-Dichloroethane			20.0	18.8		ug/L		94	66 - 129	1	30
1,2-Dichloropropane			20.0	23.9		ug/L		120	72 - 128	3	30
1,3-Dichlorobenzene			20.0	18.2		ug/L		91	80 - 120	0	30
1,4-Dichlorobenzene			20.0	17.6		ug/L		88	80 - 120	1	30
2-Butanone (MEK)			100	72.9		ug/L		73	65 - 142	2	30
2-Hexanone			100	107		ug/L		107	72 - 134	4	30
4-Methyl-2-pentanone (MIBK)			100	106		ug/L		106	77 - 130	4	30
Acetone			100	96.5		ug/L		97	60 - 133	5	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1077549/6
Matrix: Water
Analysis Batch: 1077549

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			20.0	23.5		ug/L		118	71 - 126	0	30
Bromoform			20.0	22.5		ug/L		113	58 - 128	3	30
Bromomethane			20.0	12.0		ug/L		60	33 - 150	6	30
Carbon disulfide			20.0	22.6		ug/L		113	35 - 150	1	30
Carbon tetrachloride			20.0	16.6		ug/L		83	65 - 131	1	30
Chlorobenzene			20.0	20.4		ug/L		102	80 - 120	1	30
Chlorobromomethane			20.0	18.9		ug/L		95	71 - 134	2	30
Chlorodibromomethane			20.0	20.8		ug/L		104	73 - 121	1	30
Chloroethane			20.0	14.9		ug/L		74	54 - 150	6	30
Chloroform			20.0	19.0		ug/L		95	78 - 125	1	30
Chloromethane			20.0	20.7		ug/L		103	43 - 149	2	30
cis-1,2-Dichloroethene			20.0	19.9		ug/L		100	78 - 121	1	30
cis-1,3-Dichloropropene			20.0	22.8		ug/L		114	74 - 125	3	30
Cyclohexane			20.0	24.0		ug/L		120	64 - 142	3	30
Dichlorobromomethane			20.0	19.1		ug/L		95	76 - 121	3	30
Dichlorodifluoromethane			20.0	14.7		ug/L		73	38 - 144	2	30
Ethylbenzene			20.0	19.4		ug/L		97	78 - 120	1	30
Ethylene Dibromide			20.0	20.6		ug/L		103	79 - 126	3	30
Isopropylbenzene			20.0	19.2		ug/L		96	79 - 125	1	30
Methyl acetate			40.0	47.8		ug/L		120	50 - 147	0	30
Methyl tert-butyl ether			20.0	20.1		ug/L		100	72 - 131	1	30
Methylcyclohexane			20.0	20.7		ug/L		104	63 - 138	1	30
Methylene Chloride			20.0	21.6		ug/L		108	74 - 127	2	30
m-Xylene & p-Xylene			20.0	19.9		ug/L		99	78 - 120	1	30
o-Xylene			20.0	19.5		ug/L		98	78 - 120	2	30
Styrene			20.0	19.9		ug/L		99	82 - 127	2	30
Tetrachloroethene			20.0	19.7		ug/L		99	70 - 127	3	30
Toluene			20.0	21.2		ug/L		106	78 - 120	0	30
trans-1,2-Dichloroethene			20.0	19.8		ug/L		99	70 - 126	2	30
trans-1,3-Dichloropropene			20.0	21.4		ug/L		107	71 - 127	1	30
Trichloroethene			20.0	19.6		ug/L		98	73 - 121	2	30
Trichlorofluoromethane			20.0	13.1		ug/L		66	62 - 134	2	30
Vinyl chloride			20.0	18.9		ug/L		95	55 - 144	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 128*
4-Bromofluorobenzene	*115*		*76 - 120*
Dibromofluoromethane (Surr)	*81*		*77 - 132*
Toluene-d8 (Surr)	*102*		*80 - 120*

QC Association Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-340260-1
Project/Site: 1000 Turk Hill Road, Fairport, NY

GC/MS VOA

Analysis Batch: 1077549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-340260-1	MW-2s	Total/NA	Water	8260D	
460-340260-2	MW-2m	Total/NA	Water	8260D	
460-340260-3	MW-16s	Total/NA	Water	8260D	
460-340260-4	MW-35m	Total/NA	Water	8260D	
460-340260-5	Trip-Blank	Total/NA	Water	8260D	
MB 460-1077549/9	Method Blank	Total/NA	Water	8260D	
LCS 460-1077549/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-1077549/6	Lab Control Sample Dup	Total/NA	Water	8260D	

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: 1000 Turk Hill Road, Fairport, NY

Job ID: 460-340260-1

Client Sample ID: MW-2s
Date Collected: 11/25/25 14:30
Date Received: 11/26/25 10:45

Lab Sample ID: 460-340260-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1077549	CJM	EET EDI	12/01/25 18:25

Client Sample ID: MW-2m
Date Collected: 11/25/25 10:35
Date Received: 11/26/25 10:45

Lab Sample ID: 460-340260-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1077549	CJM	EET EDI	12/01/25 18:00

Client Sample ID: MW-16s
Date Collected: 11/25/25 13:45
Date Received: 11/26/25 10:45

Lab Sample ID: 460-340260-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1077549	CJM	EET EDI	12/01/25 18:50

Client Sample ID: MW-35m
Date Collected: 11/25/25 09:45
Date Received: 11/26/25 10:45

Lab Sample ID: 460-340260-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1077549	CJM	EET EDI	12/01/25 17:34

Client Sample ID: Trip-Blank
Date Collected: 11/25/25 08:00
Date Received: 11/26/25 10:45

Lab Sample ID: 460-340260-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1077549	CJM	EET EDI	12/01/25 15:53

Laboratory References:
EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-340260-1
Project/Site: 1000 Turk Hill Road, Fairport, NY

Laboratory: Eurofins Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-26

Method Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 1000 Turk Hill Road, Fairport, NY

Job ID: 460-340260-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
5030C	Purge and Trap	SW846	EET EDI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 1000 Turk Hill Road, Fairport, NY

Job ID: 460-340260-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
460-340260-1	MW-2s	Water	11/25/25 14:30	11/26/25 10:45	New York
460-340260-2	MW-2m	Water	11/25/25 10:35	11/26/25 10:45	New York
460-340260-3	MW-16s	Water	11/25/25 13:45	11/26/25 10:45	New York
460-340260-4	MW-35m	Water	11/25/25 09:45	11/26/25 10:45	New York
460-340260-5	Trip-Blank	Water	11/25/25 08:00	11/26/25 10:45	New York

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins

Client Information	Sampler: E Spirito	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s): Rochester	COC No: 460-203033-132827 1
Client Contact: Matthew Smith	Phone: 585-820-7755	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: #484	Page: Page 1 of 1
Company: Roux Environmental Eng & Geology DPC	PWSID:			Job #: 340260
Address: 209 Shafter St	Due Date Requested:	Analysis Requested		Preservation Codes: A HCL
City: Islandia	TAT Requested (days): Standard			
State, Zip: NY 11749	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 3113.0001Y000			
Email: masmith@rouxinc.com	WO #:			
Project Name: 1000 Turk Hill Road, Fairport, NY	Project #: 46048714			
Site:	SSOW#:			

460-340260 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D TCL VOCs+TICs	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	A	X	
MW-2s	11/25/25	14:30	G	Water	Y	N	X	3	
[redacted] MW-2M	11/25/25	10:35	G	Water	Y	N	X	3	
[redacted] MW-116S	11/25/25	13:45	G	Water	Y	N	X	3	
MW-35m	11/25/25	09:45	G	Water	Y	N	X	3	
Trip Blank	11/25/25	08:00	G	Water	-	-	X	2	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Emily Boynton	11/25/25 16:00	ROUX		11/25/25 1600	ET
		11/25/25 1635	ET	VIA FedEx	11/26/25 1045	ET
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks: 4.6/4.1°C IR9

Ver: 10/10/2024

Eurofins Edison
Receipt Temperature and pH Log

Job Number: 340260

Number of Coolers: 1

IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	4.6 °C	4.1 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	1,4-Dioxane (pH<4)	Other

If pH adjustments are required record the information below*

Sample No(s). adjusted _____

Preservative Name/Conc. _____ Volume of Preservative used (ml) _____

Lot # of Preservative(s) _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

**Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials CA Date 11/26/25

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-340260-1

Login Number: 340260
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Lab Number:	L2575144
Client:	Roux Env. Eng. & Geology, DPC 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Matthew Smith
Phone:	(631) 630-2392
Project Name:	1000 TURK HILL RD GWS
Project Number:	3113.0001Y000
Report Date:	12/05/25

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575144
Report Date: 12/05/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2575144-01	TRIP BLANK-1	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 15:00	11/24/25
L2575144-02	MW-10S	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 10:45	11/24/25
L2575144-03	MW-3S	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 10:10	11/24/25
L2575144-04	MW-1S	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 08:45	11/24/25
L2575144-05	MW-8S	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 11:35	11/24/25
L2575144-06	MW-29S	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 11:55	11/24/25
L2575144-07	MW-28S	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 13:20	11/24/25
L2575144-08	MW-27S	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 12:40	11/24/25
L2575144-09	DUP-112425	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 12:00	11/24/25
L2575144-10	MW-2D	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 14:05	11/24/25

Project Name:	1000 TURK HILL RD GWS	**Lab Number:**	L2575144
Project Number:	3113.0001Y000	**Report Date:**	12/05/25

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	1000 TURK HILL RD GWS	**Lab Number:**	L2575144
Project Number:	3113.0001Y000	**Report Date:**	12/05/25

Case Narrative (continued)

Report Submission

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

The analyses of Dissolved Gases and Carbon Dioxide were subcontracted. A copy of the laboratory report is included as an addendum. Please note: This data is only available in PDF format and is not available on Data Merger.

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

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 12/05/25

ORGANICS

VOLATILES

Project Name: 1000 TURK HILL RD GWS
Lab Number: L2575144
Project Number: 3113.0001Y000
Report Date: 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-01
Client ID: TRIP BLANK-1
Sample Location: 1000 TURK HILL RD, FAIRPORT, NY
Date Collected: 11/24/25 15:00
Date Received: 11/24/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/04/25 11:03
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575144

Project Number: 3113.0001Y000 **Report Date:** 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-01 Date Collected: 11/24/25 15:00

Client ID: TRIP BLANK-1 Date Received: 11/24/25

Sample Location: 1000 TURK HILL RD, FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575144

Project Number: 3113.0001Y000 **Report Date:** 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-01 Date Collected: 11/24/25 15:00

Client ID: TRIP BLANK-1 Date Received: 11/24/25

Sample Location: 1000 TURK HILL RD, FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
Total TIC Compounds	1.67	J	ug/l			1
Unknown	1.67	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	105		70-130

Project Name: 1000 TURK HILL RD GWS
Lab Number: L2575144
Project Number: 3113.0001Y000
Report Date: 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-02
Client ID: MW-10S
Sample Location: 1000 TURK HILL RD, FAIRPORT, NY
Date Collected: 11/24/25 10:45
Date Received: 11/24/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/04/25 11:28
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	0.76	J	ug/l	2.5	0.70	1
Ethylbenzene	0.84	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575144

Project Number: 3113.0001Y000 **Report Date:** 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-02 Date Collected: 11/24/25 10:45

Client ID: MW-10S Date Received: 11/24/25

Sample Location: 1000 TURK HILL RD, FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	1.2	J	ug/l	2.5	0.70	1
o-Xylene	1.2	J	ug/l	2.5	0.70	1
Xylenes, Total	2.4	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.1	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575144

Project Number: 3113.0001Y000 **Report Date:** 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-02 Date Collected: 11/24/25 10:45

Client ID: MW-10S Date Received: 11/24/25

Sample Location: 1000 TURK HILL RD, FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	2.4	J	ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
Total TIC Compounds	3.04	J	ug/l			1
Unknown Benzene	1.70	J	ug/l			1
Unknown	1.34	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	113		70-130

Project Name: 1000 TURK HILL RD GWS
Lab Number: L2575144
Project Number: 3113.0001Y000
Report Date: 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-03
Client ID: MW-3S
Sample Location: 1000 TURK HILL RD, FAIRPORT, NY
Date Collected: 11/24/25 10:10
Date Received: 11/24/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/04/25 11:53
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575144

Project Number: 3113.0001Y000 **Report Date:** 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-03 Date Collected: 11/24/25 10:10

Client ID: MW-3S Date Received: 11/24/25

Sample Location: 1000 TURK HILL RD, FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1.9		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	1.6	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	1.6	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.1	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	3.5	J	ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575144

Project Number: 3113.0001Y000 **Report Date:** 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-03 Date Collected: 11/24/25 10:10

Client ID: MW-3S Date Received: 11/24/25

Sample Location: 1000 TURK HILL RD, FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
Total TIC Compounds	2.14	J	ug/l			1
Unknown	2.14	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	112		70-130

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575144
Report Date: 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-04
Client ID: MW-1S
Sample Location: 1000 TURK HILL RD, FAIRPORT, NY
Date Collected: 11/24/25 08:45
Date Received: 11/24/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/04/25 12:42
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575144

Project Number: 3113.0001Y000 **Report Date:** 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-04 Date Collected: 11/24/25 08:45

Client ID: MW-1S Date Received: 11/24/25

Sample Location: 1000 TURK HILL RD, FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575144

Project Number: 3113.0001Y000 **Report Date:** 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-04 Date Collected: 11/24/25 08:45

Client ID: MW-1S Date Received: 11/24/25

Sample Location: 1000 TURK HILL RD, FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
Total TIC Compounds	3.63	J	ug/l			1
Unknown	2.40	J	ug/l			1
Unknown	1.23	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	109		70-130

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575144
Report Date: 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-05
Client ID: MW-8S
Sample Location: 1000 TURK HILL RD, FAIRPORT, NY
Date Collected: 11/24/25 11:35
Date Received: 11/24/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/04/25 13:07
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1.8		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575144

Project Number: 3113.0001Y000 **Report Date:** 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-05 Date Collected: 11/24/25 11:35

Client ID: MW-8S Date Received: 11/24/25

Sample Location: 1000 TURK HILL RD, FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.27	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	0.90	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	0.90	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575144

Project Number: 3113.0001Y000 **Report Date:** 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-05 Date Collected: 11/24/25 11:35

Client ID: MW-8S Date Received: 11/24/25

Sample Location: 1000 TURK HILL RD, FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
Total TIC Compounds	2.88	J	ug/l			1
Unknown	1.85	J	ug/l			1
Unknown	1.03	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	112		70-130

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575144
Report Date: 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-06
Client ID: MW-29S
Sample Location: 1000 TURK HILL RD, FAIRPORT, NY
Date Collected: 11/24/25 11:55
Date Received: 11/24/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/04/25 13:32
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575144

Project Number: 3113.0001Y000 **Report Date:** 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-06 Date Collected: 11/24/25 11:55

Client ID: MW-29S Date Received: 11/24/25

Sample Location: 1000 TURK HILL RD, FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.59		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	7.9		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575144

Project Number: 3113.0001Y000 **Report Date:** 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-06 Date Collected: 11/24/25 11:55

Client ID: MW-29S Date Received: 11/24/25

Sample Location: 1000 TURK HILL RD, FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
Total TIC Compounds	2.87	J	ug/l			1
Sulfur Dioxide	1.16	NJ	ug/l			1
Unknown	1.71	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	113		70-130

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575144
Report Date: 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-07
Client ID: MW-28S
Sample Location: 1000 TURK HILL RD, FAIRPORT, NY
Date Collected: 11/24/25 13:20
Date Received: 11/24/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/04/25 13:56
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575144

Project Number: 3113.0001Y000 **Report Date:** 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-07 Date Collected: 11/24/25 13:20

Client ID: MW-28S Date Received: 11/24/25

Sample Location: 1000 TURK HILL RD, FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1.0		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575144

Project Number: 3113.0001Y000 **Report Date:** 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-07 Date Collected: 11/24/25 13:20

Client ID: MW-28S Date Received: 11/24/25

Sample Location: 1000 TURK HILL RD, FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
Total TIC Compounds	1.78	J	ug/l			1
Unknown	1.78	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	111		70-130

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575144
Report Date: 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-08
Client ID: MW-27S
Sample Location: 1000 TURK HILL RD, FAIRPORT, NY
Date Collected: 11/24/25 12:40
Date Received: 11/24/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/04/25 14:21
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1.7		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575144

Project Number: 3113.0001Y000 **Report Date:** 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-08 Date Collected: 11/24/25 12:40

Client ID: MW-27S Date Received: 11/24/25

Sample Location: 1000 TURK HILL RD, FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575144

Project Number: 3113.0001Y000 **Report Date:** 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-08 Date Collected: 11/24/25 12:40

Client ID: MW-27S Date Received: 11/24/25

Sample Location: 1000 TURK HILL RD, FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
Total TIC Compounds	1.00	J	ug/l			1
Unknown	1.00	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	110		70-130

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575144
Report Date: 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-09
Client ID: DUP-112425
Sample Location: 1000 TURK HILL RD, FAIRPORT, NY
Date Collected: 11/24/25 12:00
Date Received: 11/24/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/04/25 14:46
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575144

Project Number: 3113.0001Y000 **Report Date:** 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-09 Date Collected: 11/24/25 12:00

Client ID: DUP-112425 Date Received: 11/24/25

Sample Location: 1000 TURK HILL RD, FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	2.1		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	1.3	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	1.3	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	5.3		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	3.6	J	ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575144

Project Number: 3113.0001Y000 **Report Date:** 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-09 Date Collected: 11/24/25 12:00

Client ID: DUP-112425 Date Received: 11/24/25

Sample Location: 1000 TURK HILL RD, FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
Total TIC Compounds	2.58	J	ug/l			1
Unknown	2.58	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	111		70-130

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575144
Report Date: 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-10
Client ID: MW-2D
Sample Location: 1000 TURK HILL RD, FAIRPORT, NY
Date Collected: 11/24/25 14:05
Date Received: 11/24/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/04/25 15:11
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	10		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575144

Project Number: 3113.0001Y000 **Report Date:** 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-10 Date Collected: 11/24/25 14:05

Client ID: MW-2D Date Received: 11/24/25

Sample Location: 1000 TURK HILL RD, FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	7.7		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	10		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	10		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	5.2		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	6.7		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575144

Project Number: 3113.0001Y000 **Report Date:** 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-10 Date Collected: 11/24/25 14:05

Client ID: MW-2D Date Received: 11/24/25

Sample Location: 1000 TURK HILL RD, FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
Total TIC Compounds	2.94	J	ug/l			1
Unknown	1.19	J	ug/l			1
Unknown	1.75	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	112		70-130

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575144
Report Date: 12/05/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/04/25 09:01
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG2149663-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575144
Report Date: 12/05/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/04/25 09:01
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG2149663-5					
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575144
Report Date: 12/05/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/04/25 09:01
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG2149663-5					
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575144
Report Date: 12/05/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/04/25 09:01
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG2149663-5					
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
Total TIC Compounds	1.38	J	ug/l		
Unknown	1.38	J	ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	110		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575144
Report Date: 12/05/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG2149663-3 WG2149663-4								
Methylene chloride	100		97		70-130	3		20
1,1-Dichloroethane	96		100		70-130	4		20
Chloroform	96		92		70-130	4		20
Carbon tetrachloride	110		100		63-132	10		20
1,2-Dichloropropane	95		88		70-130	8		20
Dibromochloromethane	89		77		63-130	14		20
1,1,2-Trichloroethane	96		81		70-130	17		20
Tetrachloroethene	100		95		70-130	5		20
Chlorobenzene	100		93		75-130	7		20
Trichlorofluoromethane	95		93		62-150	2		20
1,2-Dichloroethane	98		89		70-130	10		20
1,1,1-Trichloroethane	100		97		67-130	3		20
Bromodichloromethane	100		92		67-130	8		20
trans-1,3-Dichloropropene	86		76		70-130	12		20
cis-1,3-Dichloropropene	100		88		70-130	13		20
1,1-Dichloropropene	100		91		70-130	9		20
Bromoform	82		69		54-136	17		20
1,1,2,2-Tetrachloroethane	95		81		67-130	16		20
Benzene	100		93		70-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575144
Report Date: 12/05/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG2149663-3 WG2149663-4								
Toluene	100		91		70-130	9		20
Ethylbenzene	100		93		70-130	7		20
Chloromethane	100		88		64-130	13		20
Bromomethane	110		94		39-139	16		20
Vinyl chloride	120		110		55-140	9		20
Chloroethane	110		100		55-138	10		20
1,1-Dichloroethene	96		93		61-145	3		20
trans-1,2-Dichloroethene	100		88		70-130	13		20
Trichloroethene	98		86		70-130	13		20
1,2-Dichlorobenzene	100		91		70-130	9		20
1,3-Dichlorobenzene	110		90		70-130	20		20
1,4-Dichlorobenzene	100		89		70-130	12		20
Methyl tert butyl ether	85		79		63-130	7		20
p/m-Xylene	105		90		70-130	15		20
o-Xylene	105		90		70-130	15		20
cis-1,2-Dichloroethene	100		97		70-130	3		20
Dibromomethane	98		90		70-130	9		20
1,2,3-Trichloropropane	94		76		64-130	**21**	Q	20
Acrylonitrile	94		83		70-130	12		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575144
Report Date: 12/05/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG2149663-3 WG2149663-4								
Styrene	95		85		70-130	11		20
Dichlorodifluoromethane	110		100		36-147	10		20
Acetone	95		94		58-148	1		20
Carbon disulfide	96		97		51-130	1		20
2-Butanone	73		77		63-138	5		20
Vinyl acetate	97		88		70-130	10		20
4-Methyl-2-pentanone	87		79		59-130	10		20
2-Hexanone	85		82		57-130	4		20
Bromochloromethane	110		94		70-130	16		20
2,2-Dichloropropane	120		100		63-133	18		20
1,2-Dibromoethane	87		80		70-130	8		20
1,3-Dichloropropane	91		79		70-130	14		20
1,1,1,2-Tetrachloroethane	98		85		64-130	14		20
Bromobenzene	100		89		70-130	12		20
n-Butylbenzene	110		89		53-136	**21**	Q	20
sec-Butylbenzene	110		91		70-130	19		20
tert-Butylbenzene	110		90		70-130	20		20
o-Chlorotoluene	100		89		70-130	12		20
p-Chlorotoluene	110		89		70-130	**21**	Q	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575144
Report Date: 12/05/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG2149663-3 WG2149663-4								
1,2-Dibromo-3-chloropropane	84		82		41-144	2		20
Hexachlorobutadiene	120		100		63-130	18		20
Isopropylbenzene	100		88		70-130	13		20
p-Isopropyltoluene	110		89		70-130	**21**	Q	20
Naphthalene	91		78		70-130	15		20
n-Propylbenzene	110		90		69-130	20		20
1,2,3-Trichlorobenzene	100		87		70-130	14		20
1,2,4-Trichlorobenzene	100		87		70-130	14		20
1,3,5-Trimethylbenzene	100		85		64-130	16		20
1,2,4-Trimethylbenzene	100		88		70-130	13		20
1,4-Dioxane	100		94		56-162	6		20
p-Diethylbenzene	110		90		70-130	20		20
p-Ethyltoluene	110		93		70-130	17		20
1,2,4,5-Tetramethylbenzene	97		80		70-130	19		20
Ethyl ether	83		79		59-134	5		20
trans-1,4-Dichloro-2-butene	91		77		70-130	17		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575144
Report Date: 12/05/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG2149663-3 WG2149663-4								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		95		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	98		96		70-130
Dibromofluoromethane	97		99		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575144
Report Date: 12/05/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG2149663-6 WG2149663-7 QC Sample: L2575144-06 Client ID: MW-29S												
Methylene chloride	ND	10	9.8	98		10	100		70-130	2		20
1,1-Dichloroethane	ND	10	11	110		10	100		70-130	10		20
Chloroform	ND	10	9.8	98		9.8	98		70-130	0		20
Carbon tetrachloride	ND	10	11	110		11	110		63-132	0		20
1,2-Dichloropropane	ND	10	9.2	92		9.7	97		70-130	5		20
Dibromochloromethane	ND	10	8.9	89		8.6	86		63-130	3		20
1,1,2-Trichloroethane	ND	10	8.6	86		8.7	87		70-130	1		20
Tetrachloroethene	ND	10	9.8	98		9.3	93		70-130	5		20
Chlorobenzene	ND	10	9.9	99		9.6	96		75-130	3		20
Trichlorofluoromethane	ND	10	9.7	97		8.6	86		62-150	12		20
1,2-Dichloroethane	ND	10	10	100		10	100		70-130	0		20
1,1,1-Trichloroethane	ND	10	11	110		11	110		67-130	0		20
Bromodichloromethane	ND	10	10	100		9.9	99		67-130	1		20
trans-1,3-Dichloropropene	ND	10	7.8	78		8.0	80		70-130	3		20
cis-1,3-Dichloropropene	ND	10	8.6	86		8.8	88		70-130	2		20
1,1-Dichloropropene	ND	10	9.8	98		9.5	95		70-130	3		20
Bromoform	ND	10	7.9	79		8.1	81		54-136	2		20
1,1,2,2-Tetrachloroethane	ND	10	9.4	94		9.5	95		67-130	1		20
Benzene	ND	10	9.8	98		10	100		70-130	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575144
Report Date: 12/05/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG2149663-6 WG2149663-7 QC Sample: L2575144-06 Client ID: MW-29S												
Toluene	ND	10	9.7	97		9.5	95		70-130	2		20
Ethylbenzene	ND	10	9.9	99		9.3	93		70-130	6		20
Chloromethane	ND	10	9.1	91		10	100		64-130	9		20
Bromomethane	ND	10	3.9	39		5.4	54		39-139	**32**	Q	20
Vinyl chloride	ND	10	11	110		11	110		55-140	0		20
Chloroethane	ND	10	12	120		16	**160**	Q	55-138	**29**	Q	20
1,1-Dichloroethene	ND	10	9.7	97		9.5	95		61-145	2		20
trans-1,2-Dichloroethene	ND	10	9.4	94		9.9	99		70-130	5		20
Trichloroethene	0.59	10	10	94		10	94		70-130	0		20
1,2-Dichlorobenzene	ND	10	9.5	95		9.5	95		70-130	0		20
1,3-Dichlorobenzene	ND	10	9.0	90		9.1	91		70-130	1		20
1,4-Dichlorobenzene	ND	10	9.3	93		9.0	90		70-130	3		20
Methyl tert butyl ether	ND	10	8.8	88		9.2	92		63-130	4		20
p/m-Xylene	ND	20	19	95		18	90		70-130	5		20
o-Xylene	ND	20	19	95		19	95		70-130	0		20
cis-1,2-Dichloroethene	ND	10	10	100		11	110		70-130	10		20
Dibromomethane	ND	10	10	100		10	100		70-130	0		20
1,2,3-Trichloropropane	ND	10	9.1	91		9.1	91		64-130	0		20
Acrylonitrile	ND	10	9.9	99		11	110		70-130	11		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575144
Report Date: 12/05/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG2149663-6 WG2149663-7 QC Sample: L2575144-06 Client ID: MW-29S												
Styrene	ND	20	18	90		17	85		70-130	6		20
Dichlorodifluoromethane	ND	10	9.9	99		9.1	91		36-147	8		20
Acetone	7.9	10	17	91		17	91		58-148	0		20
Carbon disulfide	ND	10	11	110		11	110		51-130	0		20
2-Butanone	ND	10	18	**180**	Q	12	120		63-138	**40**	Q	20
Vinyl acetate	ND	10	8.8	88		9.3	93		70-130	6		20
4-Methyl-2-pentanone	ND	10	10	100		10	100		59-130	0		20
2-Hexanone	ND	10	9.3	93		9.9	99		57-130	6		20
Bromochloromethane	ND	10	11	110		10	100		70-130	10		20
2,2-Dichloropropane	ND	10	8.8	88		9.0	90		63-133	2		20
1,2-Dibromoethane	ND	10	8.5	85		8.7	87		70-130	2		20
1,3-Dichloropropane	ND	10	9.0	90		9.3	93		70-130	3		20
1,1,1,2-Tetrachloroethane	ND	10	9.1	91		9.2	92		64-130	1		20
Bromobenzene	ND	10	9.4	94		9.2	92		70-130	2		20
n-Butylbenzene	ND	10	9.0	90		8.2	82		53-136	9		20
sec-Butylbenzene	ND	10	9.4	94		8.4	84		70-130	11		20
tert-Butylbenzene	ND	10	9.4	94		8.7	87		70-130	8		20
o-Chlorotoluene	ND	10	9.0	90		8.8	88		70-130	2		20
p-Chlorotoluene	ND	10	9.2	92		8.9	89		70-130	3		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575144
Report Date: 12/05/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG2149663-6 WG2149663-7 QC Sample: L2575144-06 Client ID: MW-29S												
1,2-Dibromo-3-chloropropane	ND	10	9.2	92		9.9	99		41-144	7		20
Hexachlorobutadiene	ND	10	10	100		9.0	90		63-130	11		20
Isopropylbenzene	ND	10	9.1	91		8.4	84		70-130	8		20
p-Isopropyltoluene	ND	10	9.1	91		8.3	83		70-130	9		20
Naphthalene	ND	10	9.4	94		9.9	99		70-130	5		20
n-Propylbenzene	ND	10	9.3	93		8.7	87		69-130	7		20
1,2,3-Trichlorobenzene	ND	10	9.7	97		10	100		70-130	3		20
1,2,4-Trichlorobenzene	ND	10	9.6	96		9.4	94		70-130	2		20
1,3,5-Trimethylbenzene	ND	10	9.1	91		8.6	86		64-130	6		20
1,2,4-Trimethylbenzene	ND	10	9.1	91		8.8	88		70-130	3		20
1,4-Dioxane	ND	500	470	94		540	108		56-162	14		20
p-Diethylbenzene	ND	10	9.0	90		8.3	83		70-130	8		20
p-Ethyltoluene	ND	10	9.6	96		8.9	89		70-130	8		20
1,2,4,5-Tetramethylbenzene	ND	10	8.0	80		7.9	79		70-130	1		20
Ethyl ether	ND	10	9.4	94		9.2	92		59-134	2		20
trans-1,4-Dichloro-2-butene	ND	10	7.8	78		8.1	81		70-130	4		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		102		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575144
Report Date: 12/05/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG2149663-6 WG2149663-7 QC Sample: L2575144-06 Client ID: MW-29S

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
4-Bromofluorobenzene	95		96		70-130
Dibromofluoromethane	104		98		70-130
Toluene-d8	95		97		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575144
Report Date: 12/05/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG2149663-8 WG2149663-9 QC Sample: L2575144-08 Client ID: MW-27S												
Methylene chloride	ND	10	11	110		11	110		70-130	0		20
1,1-Dichloroethane	ND	10	11	110		11	110		70-130	0		20
Chloroform	ND	10	11	110		10	100		70-130	10		20
Carbon tetrachloride	ND	10	12	120		12	120		63-132	0		20
1,2-Dichloropropane	ND	10	9.9	99		9.8	98		70-130	1		20
Dibromochloromethane	ND	10	9.2	92		9.0	90		63-130	2		20
1,1,2-Trichloroethane	ND	10	9.6	96		9.0	90		70-130	6		20
Tetrachloroethene	ND	10	9.7	97		9.8	98		70-130	1		20
Chlorobenzene	ND	10	10	100		10	100		75-130	0		20
Trichlorofluoromethane	ND	10	10	100		10	100		62-150	0		20
1,2-Dichloroethane	ND	10	10	100		10	100		70-130	0		20
1,1,1-Trichloroethane	ND	10	12	120		12	120		67-130	0		20
Bromodichloromethane	ND	10	11	110		10	100		67-130	10		20
trans-1,3-Dichloropropene	ND	10	7.9	79		7.9	79		70-130	0		20
cis-1,3-Dichloropropene	ND	10	9.5	95		9.1	91		70-130	4		20
1,1-Dichloropropene	ND	10	9.8	98		10	100		70-130	2		20
Bromoform	ND	10	8.4	84		8.2	82		54-136	2		20
1,1,2,2-Tetrachloroethane	ND	10	9.7	97		9.4	94		67-130	3		20
Benzene	ND	10	11	110		10	100		70-130	10		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575144
Report Date: 12/05/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG2149663-8 WG2149663-9 QC Sample: L2575144-08 Client ID: MW-27S												
Toluene	ND	10	10	100		10	100		70-130	0		20
Ethylbenzene	ND	10	9.9	99		10	100		70-130	1		20
Chloromethane	ND	10	10	100		11	110		64-130	10		20
Bromomethane	ND	10	6.0	60		5.6	56		39-139	7		20
Vinyl chloride	1.7	10	14	123		14	123		55-140	0		20
Chloroethane	ND	10	13	130		12	120		55-138	8		20
1,1-Dichloroethene	ND	10	11	110		11	110		61-145	0		20
trans-1,2-Dichloroethene	ND	10	11	110		10	100		70-130	10		20
Trichloroethene	ND	10	9.7	97		9.8	98		70-130	1		20
1,2-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,3-Dichlorobenzene	ND	10	9.8	98		9.9	99		70-130	1		20
1,4-Dichlorobenzene	ND	10	9.4	94		9.9	99		70-130	5		20
Methyl tert butyl ether	ND	10	9.8	98		9.9	99		63-130	1		20
p/m-Xylene	ND	20	20	100		20	100		70-130	0		20
o-Xylene	ND	20	20	100		20	100		70-130	0		20
cis-1,2-Dichloroethene	ND	10	11	110		11	110		70-130	0		20
Dibromomethane	ND	10	11	110		10	100		70-130	10		20
1,2,3-Trichloropropane	ND	10	9.2	92		9.1	91		64-130	1		20
Acrylonitrile	ND	10	11	110		10	100		70-130	10		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575144
Report Date: 12/05/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG2149663-8 WG2149663-9 QC Sample: L2575144-08 Client ID: MW-27S												
Styrene	ND	20	18	90		19	95		70-130	5		20
Dichlorodifluoromethane	ND	10	10	100		10	100		36-147	0		20
Acetone	ND	10	12	120		12	120		58-148	0		20
Carbon disulfide	ND	10	12	120		12	120		51-130	0		20
2-Butanone	ND	10	9.8	98		9.4	94		63-138	4		20
Vinyl acetate	ND	10	9.9	99		9.1	91		70-130	8		20
4-Methyl-2-pentanone	ND	10	9.8	98		9.5	95		59-130	3		20
2-Hexanone	ND	10	9.4	94		9.3	93		57-130	1		20
Bromochloromethane	ND	10	11	110		11	110		70-130	0		20
2,2-Dichloropropane	ND	10	9.2	92		9.4	94		63-133	2		20
1,2-Dibromoethane	ND	10	8.8	88		8.9	89		70-130	1		20
1,3-Dichloropropane	ND	10	9.0	90		9.3	93		70-130	3		20
1,1,1,2-Tetrachloroethane	ND	10	9.4	94		9.6	96		64-130	2		20
Bromobenzene	ND	10	9.6	96		9.9	99		70-130	3		20
n-Butylbenzene	ND	10	9.0	90		9.4	94		53-136	4		20
sec-Butylbenzene	ND	10	9.4	94		9.7	97		70-130	3		20
tert-Butylbenzene	ND	10	9.5	95		10	100		70-130	5		20
o-Chlorotoluene	ND	10	9.7	97		9.8	98		70-130	1		20
p-Chlorotoluene	ND	10	9.4	94		9.9	99		70-130	5		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575144
Report Date: 12/05/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG2149663-8 WG2149663-9 QC Sample: L2575144-08 Client ID: MW-27S												
1,2-Dibromo-3-chloropropane	ND	10	9.8	98		9.6	96		41-144	2		20
Hexachlorobutadiene	ND	10	11	110		11	110		63-130	0		20
Isopropylbenzene	ND	10	9.3	93		9.5	95		70-130	2		20
p-Isopropyltoluene	ND	10	9.3	93		9.5	95		70-130	2		20
Naphthalene	ND	10	9.7	97		9.9	99		70-130	2		20
n-Propylbenzene	ND	10	9.2	92		9.5	95		69-130	3		20
1,2,3-Trichlorobenzene	ND	10	11	110		11	110		70-130	0		20
1,2,4-Trichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,3,5-Trimethylbenzene	ND	10	9.3	93		9.5	95		64-130	2		20
1,2,4-Trimethylbenzene	ND	10	9.4	94		9.6	96		70-130	2		20
1,4-Dioxane	ND	500	580	116		540	108		56-162	7		20
p-Diethylbenzene	ND	10	9.3	93		9.4	94		70-130	1		20
p-Ethyltoluene	ND	10	9.6	96		9.8	98		70-130	2		20
1,2,4,5-Tetramethylbenzene	ND	10	8.5	85		9.1	91		70-130	7		20
Ethyl ether	ND	10	10	100		9.5	95		59-134	5		20
trans-1,4-Dichloro-2-butene	ND	10	8.2	82		8.0	80		70-130	2		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		96		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575144
Report Date: 12/05/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG2149663-8 WG2149663-9 QC Sample: L2575144-08 Client ID: MW-27S

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	105		98		70-130
Toluene-d8	99		95		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575144
Report Date: 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-02
Client ID: MW-10S
Sample Location: 1000 TURK HILL RD, FAIRPORT, NY

Date Collected: 11/24/25 10:45
Date Received: 11/24/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Nitrogen, Nitrate/Nitrite	0.11		mg/l	0.10	0.046	1	-	12/04/25 08:12	121,4500NO3-F	KAF
Sulfate	1.8	J	mg/l	10	1.4	1	12/02/25 12:00	12/02/25 12:00	121,4500SO4-E	MRW
Total Organic Carbon	5.1		mg/l	2.0	0.39	4	-	12/02/25 00:38	1,9060A	DEW

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575144
Report Date: 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-03
Client ID: MW-3S
Sample Location: 1000 TURK HILL RD, FAIRPORT, NY

Date Collected: 11/24/25 10:10
Date Received: 11/24/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Nitrogen, Nitrate/Nitrite	ND		mg/l	0.10	0.046	1	-	12/04/25 08:13	121,4500NO3-F	KAF
Sulfate	100		mg/l	100	14.	10	12/02/25 12:00	12/02/25 12:00	121,4500SO4-E	MRW
Total Organic Carbon	7.6		mg/l	0.50	0.09	1	-	12/02/25 00:38	1,9060A	DEW

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575144
Report Date: 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-05
Client ID: MW-8S
Sample Location: 1000 TURK HILL RD, FAIRPORT, NY

Date Collected: 11/24/25 11:35
Date Received: 11/24/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Nitrogen, Nitrate/Nitrite	12.		mg/l	0.50	0.23	5	-	12/04/25 08:48	121,4500NO3-F	KAF
Sulfate	100		mg/l	50	6.8	5	12/02/25 12:00	12/02/25 12:00	121,4500SO4-E	MRW
Total Organic Carbon	0.76		mg/l	0.50	0.09	1	-	12/02/25 00:38	1,9060A	DEW

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575144
Report Date: 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-06
Client ID: MW-29S
Sample Location: 1000 TURK HILL RD, FAIRPORT, NY

Date Collected: 11/24/25 11:55
Date Received: 11/24/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Nitrogen, Nitrate/Nitrite	0.082	J	mg/l	0.10	0.046	1	-	12/04/25 08:36	121,4500NO3-F	KAF
Sulfate	9.6	J	mg/l	10	1.4	1	12/02/25 10:15	12/02/25 10:15	121,4500SO4-E	MRW
Total Organic Carbon	10.		mg/l	2.0	0.39	4	-	12/02/25 00:38	1,9060A	DEW

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575144
Report Date: 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-07
Client ID: MW-28S
Sample Location: 1000 TURK HILL RD, FAIRPORT, NY

Date Collected: 11/24/25 13:20
Date Received: 11/24/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Nitrogen, Nitrate/Nitrite	ND		mg/l	0.10	0.046	1	-	12/04/25 08:19	121,4500NO3-F	KAF
Sulfate	44.		mg/l	25	3.4	2.5	12/02/25 12:00	12/02/25 12:00	121,4500SO4-E	MRW
Total Organic Carbon	2.2		mg/l	0.50	0.09	1	-	12/02/25 00:38	1,9060A	DEW

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575144
Report Date: 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-08
Client ID: MW-27S
Sample Location: 1000 TURK HILL RD, FAIRPORT, NY

Date Collected: 11/24/25 12:40
Date Received: 11/24/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Nitrogen, Nitrate/Nitrite	ND		mg/l	0.10	0.046	1	-	12/04/25 08:20	121,4500NO3-F	KAF
Sulfate	35.		mg/l	10	1.4	1	12/02/25 12:00	12/02/25 12:00	121,4500SO4-E	MRW
Total Organic Carbon	4.0		mg/l	1.0	0.19	2	-	12/02/25 00:38	1,9060A	DEW

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575144
Report Date: 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-09
Client ID: DUP-112425
Sample Location: 1000 TURK HILL RD, FAIRPORT, NY

Date Collected: 11/24/25 12:00
Date Received: 11/24/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Nitrogen, Nitrate/Nitrite	0.052	J	mg/l	0.10	0.046	1	-	12/04/25 08:27	121,4500NO3-F	KAF
Sulfate	120		mg/l	50	6.8	5	12/02/25 12:00	12/02/25 12:00	121,4500SO4-E	MRW
Total Organic Carbon	7.3		mg/l	0.50	0.09	1	-	12/02/25 00:38	1,9060A	DEW

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575144
Report Date: 12/05/25

SAMPLE RESULTS

Lab ID: L2575144-10
Client ID: MW-2D
Sample Location: 1000 TURK HILL RD, FAIRPORT, NY

Date Collected: 11/24/25 14:05
Date Received: 11/24/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Nitrogen, Nitrate/Nitrite	0.35		mg/l	0.10	0.046	1	-	12/04/25 08:28	121,4500NO3-F	KAF
Sulfate	500		mg/l	120	17.	12.5	12/02/25 12:00	12/02/25 12:00	121,4500SO4-E	MRW
Total Organic Carbon	6.4		mg/l	0.50	0.09	1	-	12/02/25 00:38	1,9060A	DEW

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575144
Report Date: 12/05/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 06 Batch: WG2147957-1										
Sulfate	1.9	J	mg/l	10	1.4	1	12/02/25 10:15	12/02/25 10:15	121,4500SO4-E	MRW
General Chemistry - Westborough Lab for sample(s): 02-03,05,07-10 Batch: WG2147958-1										
Sulfate	1.9	J	mg/l	10	1.4	1	12/02/25 12:00	12/02/25 12:00	121,4500SO4-E	MRW
General Chemistry - Westborough Lab for sample(s): 02-03,05-10 Batch: WG2148235-1										
Total Organic Carbon	ND		mg/l	0.50	0.09	1	-	12/02/25 00:38	1,9060A	DEW
General Chemistry - Westborough Lab for sample(s): 02-03,05-10 Batch: WG2149354-1										
Nitrogen, Nitrate/Nitrite	ND		mg/l	0.10	0.046	1	-	12/04/25 03:59	121,4500NO3-F	KAF

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575144
Report Date: 12/05/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 06 Batch: WG2147957-2								
Sulfate	105		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 02-03,05,07-10 Batch: WG2147958-2								
Sulfate	105		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 02-03,05-10 Batch: WG2148235-2								
Total Organic Carbon	94		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 02-03,05-10 Batch: WG2149354-2								
Nitrogen, Nitrate/Nitrite	102		-		90-110	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575144
Report Date: 12/05/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 06 QC Batch ID: WG2147957-4 QC Sample: L2575144-06 Client ID: MW-29S												
Sulfate	9.6J	40	54	135		-	-		55-147	-		
General Chemistry - Westborough Lab Associated sample(s): 02-03,05,07-10 QC Batch ID: WG2147958-4 QC Sample: L2575144-08 Client ID: MW-27S												
Sulfate	35.	40	77	105		-	-		55-147	-		
General Chemistry - Westborough Lab Associated sample(s): 02-03,05-10 QC Batch ID: WG2148235-4 QC Sample: L2575144-06 Client ID: MW-29S												
Total Organic Carbon	10.	80	90	100		-	-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 02-03,05-10 QC Batch ID: WG2148235-6 QC Sample: L2575144-08 Client ID: MW-27S												
Total Organic Carbon	4.0	40	42	96		-	-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 02-03,05-10 QC Batch ID: WG2149354-4 QC Sample: L2575144-06 Client ID: MW-29S												
Nitrogen, Nitrate/Nitrite	0.082J	4	4.4	110		-	-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 02-03,05-10 QC Batch ID: WG2149354-6 QC Sample: L2575144-08 Client ID: MW-27S												
Nitrogen, Nitrate/Nitrite	ND	4	4.6	115		-	-		80-120	-		

Lab Duplicate Analysis

Batch Quality Control

Project Name: 1000 TURK HILL RD GWS

Project Number: 3113.0001Y000

Lab Number: L2575144

Report Date: 12/05/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 06 QC Batch ID: WG2147957-3 QC Sample: L2575144-06 Client ID: MW-29S						
Sulfate	9.6J	11	mg/l	NC		14
General Chemistry - Westborough Lab Associated sample(s): 02-03,05,07-10 QC Batch ID: WG2147958-3 QC Sample: L2575144-08 Client ID: MW-27S						
Sulfate	35.	36	mg/l	3		14
General Chemistry - Westborough Lab Associated sample(s): 02-03,05-10 QC Batch ID: WG2148235-3 QC Sample: L2575144-06 Client ID: MW-29S						
Total Organic Carbon	10.	10	mg/l	0		20
General Chemistry - Westborough Lab Associated sample(s): 02-03,05-10 QC Batch ID: WG2148235-5 QC Sample: L2575144-08 Client ID: MW-27S						
Total Organic Carbon	4.0	3.9	mg/l	3		20
General Chemistry - Westborough Lab Associated sample(s): 02-03,05-10 QC Batch ID: WG2149354-3 QC Sample: L2575144-06 Client ID: MW-29S						
Nitrogen, Nitrate/Nitrite	0.082J	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 02-03,05-10 QC Batch ID: WG2149354-5 QC Sample: L2575144-08 Client ID: MW-27S						
Nitrogen, Nitrate/Nitrite	ND	ND	mg/l	NC		20

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575144
Report Date: 12/05/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2575144-01A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-01B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-02A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-02B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-02C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-02D	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575144-02E	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575144-02F	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-02G	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-02H	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-02I	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-02J	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-02K	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-02L	Plastic 120ml unpreserved	NA	NA			Y	Absent		SO4-4500(28)
L2575144-02M	Plastic 250ml H2SO4 preserved	NA	<2	<2		Y	Absent		NO3/NO2-4500(28)
L2575144-03A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-03B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-03C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-03D	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575144-03E	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575144-03F	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-03G	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-03H	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)

*Values in parentheses indicate holding time in days

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575144
Report Date: 12/05/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2575144-03I	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-03J	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-03K	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-03L	Plastic 120ml unpreserved	NA	NA			Y	Absent		SO4-4500(28)
L2575144-03M	Plastic 250ml H2SO4 preserved	NA	<2	<2		Y	Absent		NO3/NO2-4500(28)
L2575144-04A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-04B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-04C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-05A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-05B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-05C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-05D	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575144-05E	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575144-05F	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-05G	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-05H	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-05I	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-05J	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-05K	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-05L	Plastic 120ml unpreserved	NA	NA			Y	Absent		SO4-4500(28)
L2575144-05M	Plastic 250ml H2SO4 preserved	NA	<2	<2		Y	Absent		NO3/NO2-4500(28)
L2575144-06A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-06A1	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-06A2	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-06B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-06B1	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-06B2	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-06C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575144
Report Date: 12/05/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2575144-06C1	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-06C2	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-06D	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575144-06D1	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575144-06D2	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575144-06E	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575144-06E1	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575144-06E2	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575144-06F	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-06F1	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-06F2	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-06G	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-06G1	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-06G2	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-06H	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-06H1	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-06H2	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-06I	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-06I1	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-06I2	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-06J	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-06J1	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-06J2	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-06K	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-06K1	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-06K2	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-06L	Plastic 120ml unpreserved	NA	NA			Y	Absent		SO4-4500(28)
L2575144-06L1	Plastic 120ml unpreserved	NA	NA			Y	Absent		SO4-4500(28)

*Values in parentheses indicate holding time in days

Project Name: 1000 TURK HILL RD GWS
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Report Date: 12/05/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2575144-06L2	Plastic 120ml unpreserved	NA	NA			Y	Absent		SO4-4500(28)
L2575144-06M	Plastic 250ml H2SO4 preserved	NA	<2	<2		Y	Absent		NO3/NO2-4500(28)
L2575144-06M1	Plastic 250ml H2SO4 preserved	NA	<2	<2		Y	Absent		NO3/NO2-4500(28)
L2575144-06M2	Plastic 250ml H2SO4 preserved	NA	<2	<2		Y	Absent		NO3/NO2-4500(28)
L2575144-07A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-07B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-07C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-07D	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575144-07E	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575144-07F	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-07G	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-07H	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-07I	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-07J	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-07K	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-07L	Plastic 120ml unpreserved	NA	NA			Y	Absent		SO4-4500(28)
L2575144-07M	Plastic 250ml H2SO4 preserved	NA	<2	<2		Y	Absent		NO3/NO2-4500(28)
L2575144-08A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-08A1	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-08A2	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-08B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-08B1	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-08B2	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-08C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-08C1	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-08C2	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-08D	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575144-08D1	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)

*Values in parentheses indicate holding time in days

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575144
Report Date: 12/05/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2575144-08D2	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575144-08E	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575144-08E1	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575144-08E2	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575144-08F	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-08F1	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-08F2	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-08G	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-08G1	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-08G2	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-08H	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-08H1	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-08H2	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-08I	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-08I1	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-08I2	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-08J	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-08J1	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-08J2	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-08K	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-08K1	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-08K2	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-08L	Plastic 120ml unpreserved	NA	NA			Y	Absent		SO4-4500(28)
L2575144-08L1	Plastic 120ml unpreserved	NA	NA			Y	Absent		SO4-4500(28)
L2575144-08L2	Plastic 120ml unpreserved	NA	NA			Y	Absent		SO4-4500(28)
L2575144-08M	Plastic 250ml H2SO4 preserved	NA	<2	<2		Y	Absent		NO3/NO2-4500(28)
L2575144-08M1	Plastic 250ml H2SO4 preserved	NA	<2	<2		Y	Absent		NO3/NO2-4500(28)
L2575144-08M2	Plastic 250ml H2SO4 preserved	NA	<2	<2		Y	Absent		NO3/NO2-4500(28)

*Values in parentheses indicate holding time in days

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575144
Report Date: 12/05/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2575144-09A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-09B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-09C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-09D	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575144-09E	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575144-09F	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-09G	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-09H	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-09I	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-09J	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-09K	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-09L	Plastic 120ml unpreserved	NA	NA			Y	Absent		SO4-4500(28)
L2575144-09M	Plastic 250ml H2SO4 preserved	NA	<2	<2		Y	Absent		NO3/NO2-4500(28)
L2575144-10A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-10B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-10C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575144-10D	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575144-10E	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575144-10F	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-10G	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-10H	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575144-10I	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-10J	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-10K	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575144-10L	Plastic 120ml unpreserved	NA	NA			Y	Absent		SO4-4500(28)
L2575144-10M	Plastic 250ml H2SO4 preserved	NA	<2	<2		Y	Absent		NO3/NO2-4500(28)

*Values in parentheses indicate holding time in days

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575144
Report Date: 12/05/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)

Container Comments

L2575144-05A Client label: mw-29S

*Values in parentheses indicate holding time in days

Project Name:	1000 TURK HILL RD GWS	**Lab Number:**	L2575144
Project Number:	3113.0001Y000	**Report Date:**	12/05/25

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	1000 TURK HILL RD GWS	**Lab Number:**	L2575144
Project Number:	3113.0001Y000	**Report Date:**	12/05/25

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	1000 TURK HILL RD GWS	**Lab Number:**	L2575144
Project Number:	3113.0001Y000	**Report Date:**	12/05/25

Data Qualifiers

estimated.

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

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

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575144
Report Date: 12/05/25

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, SM4500CL-G, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1: Hg. **EPA 245.7:** Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY kY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
MA M-MA00030, CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 85084, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, LA 245052, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

NEW YORK CHAIN OF CUSTODY

L2575144
ROUX – NY

Pace ANALYTICAL SERVICES

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

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

Service Centers
Woodcliff Lake, NJ 07677: 123 Tice Blvd, Suite 101
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 11.25.25

Pace Job:

Project Information
Project Name: 1000 Turk Hill Rd GWS
Project Location: Fairport, NY
Project #: 3113.0001Y000
(Use Project name as Project #): ☐
Project Manager: Matt Smith
PACE Quote #: 543322

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

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

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

Billing Info
☒ Same
PO #

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

Client Information
Client: Roux
Address: 209 Shafter street
Islandia, NY 11749
Phone: 631-232-2600
Fax:
Email: masmith@rouxinc.com

These samples have been previously analyzed by Pace ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

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

PACE Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260 + TICs	methane, ethane	ethene	Total organic carbon	Nitrate/Nitrite	Sulfate	Carbon Dioxide		Sample Specific Comments	Total # Bottles
75144 01	TripBlank-1	11/24/25	15:00	W	ES	X									2
02	MW-10S	11/24/25	10:45	GW	ES	X	X	X	X	X	X	X			13
03	MW-3S	11/24/25	10:10	GW	JY	X	X	X	X	X	X	X			13
04	MW-1S	11/24/25	08:45	GW	JY	X									3
05	MW-8S	11/24/25	11:35	GW	JY	X	X	X	X	X	X	X			13
06	MW-29S	11/24/25	11:55	GW	ES	X	X	X	X	X	X	X		MS/MSD collected	3
07	MW-28S	11/24/25	13:20	GW	ES	X	X	X	X	X	X	X			13
08	MW-27S	11/24/25	12:40	GW	JY	X	X	X	X	X	X	X		MS/MSD collected	3
09	DUP-112425	11/24/25	12:00	GW	JY	X	X	X	X	X	X	X			13
10	MW-2D	11/24/25	14:05	GW	JY	X	X	X	X	X	X	X			13

Container Type:
Preservative:

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Emily Smith	11/24/25 1532	Jeff Napal PACE	11/24/25 1532
Jeff Napal PACE	11/24/25 1650	Map Roch S.C.	11/24/25 1650
Roch S/C	11-24-25 1830	Roxanne Marchand/Pace	11-24-25 1830
Roxanne Marchand/Pace	11-24-25 11-25 0230		11-24 2330 11/25/25 0230

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

Form No: 01-25 HC (rev. 29-Jan-2025)

Sample Delivery Group Summary

Pace Job Number : L2575144

Account Name : Roux Env. Eng. & Geology, DPC
Project Number : 3113.0001Y000
Project Name : 1000 TURK HILL RD GWS

Received : 24-NOV-2025
Reviewer : Riley Frankian

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	3.2	

Condition Information

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

Volatile Organics/VPH

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

Comments

L2575144-05A Client label: mw-29S

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

December 5, 2025

Jennifer Byrnes
Pace Analytical Services - Westborough, MA
8 Walkup Drive
Westborough, MA 01581

Project Location: L2575144
Client Job Number:
Project Number: L2575144
Laboratory Work Order Number: 25L0002

Enclosed are results of analyses for samples as received by the laboratory on December 1, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kristi L. Gosselin
Project Manager

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Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Pace Analytical Services - Westborough, MA
8 Walkup Drive
Westborough, MA 01581
ATTN: Jennifer Byrnes

REPORT DATE: 12/5/2025

PURCHASE ORDER NUMBER:

PROJECT NUMBER: L2575144

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25L0002

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: L2575144

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-10S	25L0002-01	Water		RSK175	
MW-3S	25L0002-02	Water		RSK175	
MW-8S	25L0002-03	Water		RSK175	
MW-29S	25L0002-04	Water		RSK175	
MW-28S	25L0002-05	Water		RSK175	
MW-27S	25L0002-06	Water		RSK175	
DUP-112425	25L0002-07	Water		RSK175	
MW-2D	25L0002-08	Water		RSK175	

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

RSK175

Qualifications:

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

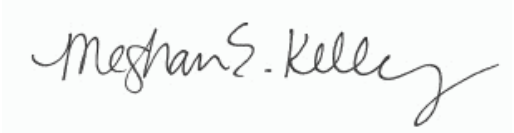
Carbon Dioxide

B418579-MS1, B418579-MS2, B418579-MSD1, B418579-MSD2

Methane

B418580-MS1, B418580-MS2, B418580-MSD1, B418580-MSD2

The results of analyses reported only relate to samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Reporting Specialist

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: L2575144 Sample Description: Work Order: 25L0002

Date Received: 12/1/2025

Field Sample #: MW-10S Sampled: 11/24/2025 11:45

Sample ID: 25L0002-01

Sample Matrix: Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Carbon Dioxide	39	1.4	0.43	mg/L	4		RSK175	12/1/25	12/1/25 15:02	TPH
Ethane	ND	0.0052	0.00083	mg/L	1		RSK175	12/1/25	12/1/25 13:46	TPH
Ethene	ND	0.0065	0.0016	mg/L	1		RSK175	12/1/25	12/1/25 13:46	TPH
Methane	14	0.0052	0.00080	mg/L	2		RSK175	12/1/25	12/1/25 15:37	TPH

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: L2575144 Sample Description: Work Order: 25L0002

Date Received: 12/1/2025

Field Sample #: MW-3S Sampled: 11/24/2025 10:10

Sample ID: 25L0002-02

Sample Matrix: Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Carbon Dioxide	52	1.4	0.43	mg/L	4		RSK175	12/1/25	12/1/25 15:15	TPH
Ethane	ND	0.0052	0.00083	mg/L	1		RSK175	12/1/25	12/1/25 13:55	TPH
Ethene	ND	0.0065	0.0016	mg/L	1		RSK175	12/1/25	12/1/25 13:55	TPH
Methane	1.7	0.0026	0.00040	mg/L	1		RSK175	12/1/25	12/1/25 13:55	TPH

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: L2575144 Sample Description: Work Order: 25L0002

Date Received: 12/1/2025

Field Sample #: MW-8S Sampled: 11/24/2025 11:35

Sample ID: 25L0002-03

Sample Matrix: Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Carbon Dioxide	61	1.4	0.43	mg/L	4		RSK175	12/1/25	12/1/25 15:31	TPH
Ethane	0.016	0.0052	0.00083	mg/L	1		RSK175	12/1/25	12/1/25 14:03	TPH
Ethene	0.015	0.0065	0.0016	mg/L	1		RSK175	12/1/25	12/1/25 14:03	TPH
Methane	1.4	0.0026	0.00040	mg/L	1		RSK175	12/1/25	12/1/25 14:03	TPH

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: L2575144 Sample Description: Work Order: 25L0002

Date Received: 12/1/2025

Field Sample #: MW-29S Sampled: 11/24/2025 11:55

Sample ID: 25L0002-04

Sample Matrix: Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Carbon Dioxide	58	1.4	0.43	mg/L	4		RSK175	12/1/25	12/1/25 15:46	TPH
Ethane	0.0038	0.0052	0.00083	mg/L	1	J	RSK175	12/1/25	12/1/25 14:12	TPH
Ethene	ND	0.0065	0.0016	mg/L	1		RSK175	12/1/25	12/1/25 14:12	TPH
Methane	4.7	0.0026	0.00040	mg/L	1		RSK175	12/1/25	12/1/25 14:12	TPH

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: L2575144 Sample Description: Work Order: 25L0002

Date Received: 12/1/2025

Field Sample #: MW-28S Sampled: 11/24/2025 13:20

Sample ID: 25L0002-05

Sample Matrix: Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Carbon Dioxide	52	1.4	0.43	mg/L	4		RSK175	12/1/25	12/1/25 16:30	TPH
Ethane	ND	0.0052	0.00083	mg/L	1		RSK175	12/1/25	12/1/25 14:37	TPH
Ethene	ND	0.0065	0.0016	mg/L	1		RSK175	12/1/25	12/1/25 14:37	TPH
Methane	0.0034	0.0026	0.00040	mg/L	1		RSK175	12/1/25	12/1/25 14:37	TPH

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: L2575144 Sample Description: Work Order: 25L0002

Date Received: 12/1/2025

Field Sample #: MW-27S Sampled: 11/24/2025 13:20

Sample ID: 25L0002-06

Sample Matrix: Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Carbon Dioxide	69	1.4	0.43	mg/L	4		RSK175	12/1/25	12/1/25 16:45	TPH
Ethane	0.012	0.0052	0.00083	mg/L	1		RSK175	12/1/25	12/1/25 14:45	TPH
Ethene	ND	0.0065	0.0016	mg/L	1		RSK175	12/1/25	12/1/25 14:45	TPH
Methane	1.8	0.0026	0.00040	mg/L	1		RSK175	12/1/25	12/1/25 14:45	TPH

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Project Location: L2575144 Sample Description: Work Order: 25L0002

Date Received: 12/1/2025

Field Sample #: DUP-112425 Sampled: 11/24/2025 12:00

Sample ID: 25L0002-07

Sample Matrix: Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Carbon Dioxide	49	1.4	0.43	mg/L	4		RSK175	12/1/25	12/1/25 17:30	TPH
Ethane	ND	0.0052	0.00083	mg/L	1		RSK175	12/1/25	12/1/25 15:10	TPH
Ethene	ND	0.0065	0.0016	mg/L	1		RSK175	12/1/25	12/1/25 15:10	TPH
Methane	1.6	0.0026	0.00040	mg/L	1		RSK175	12/1/25	12/1/25 15:10	TPH

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Project Location: L2575144 Sample Description: Work Order: 25L0002

Date Received: 12/1/2025

Field Sample #: MW-2D Sampled: 11/24/2025 14:05

Sample ID: 25L0002-08

Sample Matrix: Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Carbon Dioxide	76	1.4	0.43	mg/L	4		RSK175	12/1/25	12/1/25 17:45	TPH
Ethane	ND	0.0052	0.00083	mg/L	1		RSK175	12/1/25	12/1/25 15:19	TPH
Ethene	ND	0.0065	0.0016	mg/L	1		RSK175	12/1/25	12/1/25 15:19	TPH
Methane	1.2	0.0026	0.00040	mg/L	1		RSK175	12/1/25	12/1/25 15:19	TPH

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Sample Extraction Data

Prep Method:RSK175 **Analytical Method:RSK175**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25L0002-01 [MW-10S]	B418579	0.25	1.00	12/01/25
25L0002-02 [MW-3S]	B418579	0.25	1.00	12/01/25
25L0002-03 [MW-8S]	B418579	0.25	1.00	12/01/25
25L0002-04 [MW-29S]	B418579	0.25	1.00	12/01/25
25L0002-05 [MW-28S]	B418579	0.25	1.00	12/01/25
25L0002-06 [MW-27S]	B418579	0.25	1.00	12/01/25
25L0002-07 [DUP-112425]	B418579	0.25	1.00	12/01/25
25L0002-08 [MW-2D]	B418579	0.25	1.00	12/01/25

Prep Method:RSK175 **Analytical Method:RSK175**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25L0002-01 [MW-10S]	B418580	1	1.00	12/01/25
25L0002-01RE1 [MW-10S]	B418580	0.5	1.00	12/01/25
25L0002-02 [MW-3S]	B418580	1	1.00	12/01/25
25L0002-03 [MW-8S]	B418580	1	1.00	12/01/25
25L0002-04 [MW-29S]	B418580	1	1.00	12/01/25
25L0002-05 [MW-28S]	B418580	1	1.00	12/01/25
25L0002-06 [MW-27S]	B418580	1	1.00	12/01/25
25L0002-07 [DUP-112425]	B418580	1	1.00	12/01/25
25L0002-08 [MW-2D]	B418580	1	1.00	12/01/25

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QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B418579 - RSK175											
Blank (B418579-BLK1)				Prepared & Analyzed: 12/01/25							
Carbon Dioxide	0.27	0.36	mg/L								J
LCS (B418579-BS1)				Prepared & Analyzed: 12/01/25							
Carbon Dioxide	1.2		mg/L	1.178		98.7		85-115			
Duplicate (B418579-DUP2)		**Source: 25L0002-08**		Prepared & Analyzed: 12/01/25							
Carbon Dioxide	77.2	1.4	mg/L		76.2				1.33	20	
Matrix Spike (B418579-MS1)		**Source: 25L0002-04**		Prepared & Analyzed: 12/01/25							
Carbon Dioxide	14.1		mg/L	1.106	58.2	**-3990**	*	0-200			MS-19
Matrix Spike (B418579-MS2)		**Source: 25L0002-06**		Prepared & Analyzed: 12/01/25							
Carbon Dioxide	16.1		mg/L	1.096	68.7	**-4800**	*	0-200			MS-19
Matrix Spike Dup (B418579-MSD1)		**Source: 25L0002-04**		Prepared & Analyzed: 12/01/25							
Carbon Dioxide	14.5		mg/L	1.106	58.2	**-3960**	*	0-200	2.71		MS-19
Matrix Spike Dup (B418579-MSD2)		**Source: 25L0002-06**		Prepared & Analyzed: 12/01/25							
Carbon Dioxide	16.5		mg/L	1.096	68.7	**-4770**	*	0-200	2.05		MS-19
Batch B418580 - RSK175											
Blank (B418580-BLK1)				Prepared & Analyzed: 12/01/25							
Ethane	ND	0.0052	mg/L								
Ethene	ND	0.0065	mg/L								
Methane	ND	0.0026	mg/L								
LCS (B418580-BS1)				Prepared & Analyzed: 12/01/25							
Ethane	0.14		mg/L	0.1596		88.1		73.1-116			
Ethene	0.12		mg/L	0.1489		83.8		67.6-116			
Methane	0.071		mg/L	0.08510		83.5		73.2-114			
Duplicate (B418580-DUP2)		**Source: 25L0002-08**		Prepared & Analyzed: 12/01/25							
Ethane	ND	0.0052	mg/L		ND				NC	20	
Ethene	ND	0.0065	mg/L		ND				NC	20	
Methane	1.20	0.0026	mg/L		1.21				0.611	20	
Matrix Spike (B418580-MS1)		**Source: 25L0002-04**		Prepared & Analyzed: 12/01/25							
Ethane	0.121		mg/L	0.1576	0.00375	74.1		0-200			
Ethene	0.105		mg/L	0.1472	0.00	71.5		0-200			
Methane	4.39		mg/L	0.08408	4.73	**-404**	*	0-200			MS-19

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B418580 - RSK175											
Matrix Spike (B418580-MS2)	**Source: 25L0002-06**			Prepared & Analyzed: 12/01/25							
Ethane	0.129		mg/L	0.1563	0.0119	74.9		0-200			
Ethene	0.106		mg/L	0.1459	0.00	72.8		0-200			
Methane	1.83		mg/L	0.08337	1.83	5.60		0-200			MS-19
Matrix Spike Dup (B418580-MSD1)	**Source: 25L0002-04**			Prepared & Analyzed: 12/01/25							
Ethane	0.119		mg/L	0.1576	0.00375	73.4		0-200	0.933		
Ethene	0.104		mg/L	0.1472	0.00	70.9		0-200	0.878		
Methane	4.36		mg/L	0.08408	4.73	**-440**	*	0-200	0.705		MS-19
Matrix Spike Dup (B418580-MSD2)	**Source: 25L0002-06**			Prepared & Analyzed: 12/01/25							
Ethane	0.129		mg/L	0.1563	0.0119	74.8		0-200	0.124		
Ethene	0.105		mg/L	0.1459	0.00	72.1		0-200	0.889		
Methane	1.82		mg/L	0.08337	1.83	**-7.26**	*	0-200	0.587		MS-19

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Pace Analytical Services, LLC - East Longmeadow, Ma

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
RSK175 in Water	
Ethane	NY,NH,NJ,VA,ME,PA
Ethene	NY,NH,NJ,VA,ME,PA
Methane	NY,NH,NJ,VA,ME,PA

Pace Analytical Services, LLC - East Longmeadow, Ma, operates under the following certifications and accreditations:

Code	Description	Number	Expires
NY	New York State Department of Health	10899 NELAP	04/1/2026
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2026
NJ	New Jersey DEP	MA007 NELAP	06/30/2026
ME	State of Maine	MA00100	06/9/2027
VA	Commonwealth of Virginia	460217	12/14/2025
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2026

25L0002

Subcontract Chain of Custody

Pace New England
39 Spruce St
East Longmeadow, MA 01028

Pace Job Number
L2575144

Page 1

Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019

Report To:west.subreports@pacelabs.com
Bill To:invoices@pacelabs.coupahost.com

Phone: 716.427.5228
Email: Jennifer.Byrnes@pacelabs.com

Project Information

Project Location: NY
Project Manager: Jennifer Byrnes

Turnaround & Deliverables Information

Due Date: 12/05/25
Deliverables: ASP Category B Deliverables (Level 4)

Regulatory Requirements/Report Limits

State/Federal Program:
Regulatory Criteria:

Report to MDL **UDI EDD**

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2575144 Report to include Method and/or Regulatory required batch QC

Additional Comments:

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
1	L2575144-02	MW-10S	11-24-25 10:45	WATER	Dissolved Gasses	Methane, Ethane, Ethene		3
				WATER	Dissolved Gasses-CO2	Diss Gas CO2		3
2	L2575144-03	MW-3S	11-24-25 10:10	WATER	Dissolved Gasses	Methane, Ethane, Ethene		3
				WATER	Dissolved Gasses-CO2	Diss Gas CO2		3
3	L2575144-05	MW-8S	11-24-25 11:35	WATER	Dissolved Gasses	Methane, Ethane, Ethene		3
				WATER	Dissolved Gasses-CO2	Diss Gas CO2		3
4	L2575144-06	MW-29S	11-24-25 11:55	WATER	Dissolved Gasses	Methane, Ethane, Ethene	MS;MSD	9
				WATER	Dissolved Gasses-CO2	Diss Gas CO2	MS;MSD	9
5	L2575144-07	MW-28S	11-24-25 13:20	WATER	Dissolved Gasses	Methane, Ethane, Ethene		3
				WATER	Dissolved Gasses-CO2	Diss Gas CO2		3

	Relinquished By:	Date/Time:	Received By:	Date/Time:
	[signature]		[signature]	12-1-25 5:00
	[signature]	12-1-25 6:48	[signature]	12/1/25 645
Form No: AL_subcoc				

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25L0002

Subcontract Chain of Custody

Pace New England
39 Spruce St
East Longmeadow, MA 01028

Pace Job Number
L2575144

Page 2

Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019

Report To:west.subreports@pacelabs.com
Bill To:invoices@pacelabs.coupahost.com

Phone: 716.427.5228
Email: Jennifer.Byrnes@pacelabs.com

Project Information

Project Location: NY
Project Manager: Jennifer Byrnes

Turnaround & Deliverables Information

Due Date: 12/07/25
Deliverables: ASP Category B Deliverables (Level 4)

Regulatory Requirements/Report Limits

State/Federal Program:
Regulatory Criteria:

Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2575144 Report to include Method and/or Regulatory required batch QC

Additional Comments:

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
6	L2575144-08	MW-27S	11-24-25 12:40	WATER	Dissolved Gasses	Methane, Ethane, Ethene	MS;MSD	9
				WATER	Dissolved Gasses-CO2	Diss Gas CO2	MS;MSD	9
7	L2575144-09	DUP-112425	11-24-25 12:00	WATER	Dissolved Gasses	Methane, Ethane, Ethene		3
				WATER	Dissolved Gasses-CO2	Diss Gas CO2		3
8	L2575144-10	MW-2D	11-24-25 14:05	WATER	Dissolved Gasses	Methane, Ethane, Ethene		3
				WATER	Dissolved Gasses-CO2	Diss Gas CO2		3

	Relinquished By:	Date/Time:	Received By:	Date/Time:
				12-1-25 5:00
		12-1-25 6:45		
Form No: AL_subcoc				

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ENV-FRM-ELON-0001 v09_Sample Receiving Checklist

Log In Back-Sheet

Client: Pace

Project: 257514

MCP/RCP Required: MA

Deliverable Package Requirement: MA

Location: NV

PWSID# (When Applicable): NA

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time: LA 12/11/25 645

Back-Sheet By / Date / Time: LA 12/11/25 756

Temperature Method: gun # 6

WV samples: Yes (see note*) / No (follow normal procedure)

Temp ☑ < 6° C Actual Temperature: 1.4

Rush Samples: Yes / No Notify: Teams

Short Hold: Yes / No Notify:

Notes regarding Samples/COC outside of SOP:

Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy)
Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☑	☐
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client	☑	Analysis	☑	Sampler Name	☑
Project	☑	IDs	☑	Collection Date/Time	☑

All Samples Proper pH:	N/A	☐	☐
Samples Chlorinated:	N/A	☐	☐

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

DC#_Title: ENV-FRM-ELON-0157 v01_Sample Receiving Container Sheet

Effective Date:

	Soils				Ambers Glass								Plastics												Vials							Other
	16 (oz)	8 (oz)	4 (oz)	2 (oz)	1L			250mL				100 (mL)	1L		500mL		250mL						80 (mL)	Other	VOA 40mL					20mL		
	C / A	C / A	C / A	C / A	Unp.	HCl	H_2SO_4	Unp.	Phos.	HCl	H_2SO_4	Unp.	Unp.	H_2SO_4	Unp.	H_2SO_4	Unp.	Triz	H_2SO_4	HNO_3	Amm. Ace	NaOH /Zn	Unp.	Bac/ Col	Unp.	HCl	MeOH	DI	$NaHSO_4$	Unp.	HCl	
1																														3	3	
2																														1	1	
3																														1	1	
4																														9	9	
5																														3	3	
6																														9	4	
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Pace Analytical Services

Laboratory Code: 11148

SDG Number: L2575144

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Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575144
Report Date: 12/05/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2575144-01	TRIP BLANK-1	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 15:00	11/24/25
L2575144-02	MW-10S	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 10:45	11/24/25
L2575144-03	MW-3S	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 10:10	11/24/25
L2575144-04	MW-1S	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 08:45	11/24/25
L2575144-05	MW-8S	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 11:35	11/24/25
L2575144-06	MW-29S	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 11:55	11/24/25
L2575144-07	MW-28S	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 13:20	11/24/25
L2575144-08	MW-27S	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 12:40	11/24/25
L2575144-09	DUP-112425	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 12:00	11/24/25
L2575144-10	MW-2D	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 14:05	11/24/25

Case Narrative

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

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

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

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

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

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

Case Narrative (continued)

Report Submission

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

The analyses of Dissolved Gases and Carbon Dioxide were subcontracted. A copy of the laboratory report is included as an addendum. Please note: This data is only available in PDF format and is not available on Data Merger.

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

Authorized Signature: Kelly Stenstrom Report Date: 12/05/25

Title: Technical Director/Representative

DATA PACKAGE GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Data Qualifiers

the identification is based on a mass spectral library search.

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

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

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

TYPICAL INSTRUMENT PARAMETERS

Volatile Organics Instruments

Volatile Organics:

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

Volatile Organics: VPH

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

Volatile Organics: PIANO

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

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD

	Column Type: Haysep S Column
	Column Length: 2 Meters packed (100/200 mesh)
Autosampler: LEAP Headspace	Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

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

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

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

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

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

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

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

Pesticides/PCB/Herbicides:

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

Petroleum/EPH:

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

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

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

Semivolatile Organics (8270):

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

Semivolatile Organics (8270 SIM):

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

Semivolatile Organics (1,4-Dioxane):

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

Semivolatile Organics (209 Congener):

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

Semivolatile Organics (8081):

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

Semivolatile Organics (8082):

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

Semivolatile Organics (SHC Extractables):

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

Sample Delivery Group Summary

Pace Job Number : L2575144

Account Name : Roux Env. Eng. & Geology, DPC
Project Number : 3113.0001Y000
Project Name : 1000 TURK HILL RD GWS

Received : 24-NOV-2025
Reviewer : Riley Frankian

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	3.2	

Condition Information

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

Volatile Organics/VPH

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

Comments

L2575144-05A Client label: mw-29S

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Dec 05 2025, 08:21 pm

Login Number: L2575144
Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 3113.0001Y000
Received: 24NOV25 Due Date: 05DEC25

Sample #	Client ID	Mat	PR	Collected
L2575144-01	TRIP BLANK-1	1 S0		24NOV25 15:00

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low 8260: Needs TICS Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound ASP-B Package Due Date: 12/05/25

ASP-B,NYTCL-8260

Sample #	Client ID	Mat	PR	Collected
L2575144-02	MW-10S	1 S0		24NOV25 10:45

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low 8260: Needs TICS Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound Package Due Date: 12/05/25

NO3/NO2-4500,NYTCL-8260,SO4-4500,SUB-DISSGAS,SUB-DISSGAS-CO2,TOC-9060

Sample #	Client ID	Mat	PR	Collected
L2575144-03	MW-3S	1 S0		24NOV25 10:10

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low 8260: Needs TICS Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound Package Due Date: 12/05/25

NO3/NO2-4500,NYTCL-8260,SO4-4500,SUB-DISSGAS,SUB-DISSGAS-CO2,TOC-9060

Sample #	Client ID	Mat	PR	Collected
L2575144-04	MW-1S	1 S0		24NOV25 08:45

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low 8260: Needs TICS Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound Package Due Date: 12/05/25

NYTCL-8260

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Dec 05 2025, 08:21 pm

Login Number: L2575144
Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 3113.0001Y000
Received: 24NOV25 Due Date: 05DEC25

Sample #	Client ID	Mat	PR	Collected
L2575144-05	MW-8S		1 S0	24NOV25 11:35

Container A client label marked as "mw-29S" Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low 8260: Needs TICS Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound Package Due Date: 12/05/25

NO3/NO2-4500,NYTCL-8260,SO4-4500,SUB-DISSGAS,SUB-DISSGAS-CO2,TOC-9060

L2575144-06	MW-29S		1 S0	24NOV25 11:55

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low 8260: Needs TICS Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound L2575144-06 MS L2575144-06 MSD Package Due Date: 12/05/25

MS/MSD,NO3/NO2-4500,NYTCL-8260,SO4-4500,SUB-DISSGAS,SUB-DISSGAS-CO2,TOC-9060

L2575144-07	MW-28S		1 S0	24NOV25 13:20

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low 8260: Needs TICS Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound Package Due Date: 12/05/25

NO3/NO2-4500,NYTCL-8260,SO4-4500,SUB-DISSGAS,SUB-DISSGAS-CO2,TOC-9060

L2575144-08	MW-27S		1 S0	24NOV25 12:40

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low 8260: Needs TICS Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound L2575144-08 MS L2575144-08 MSD Package Due Date: 12/05/25

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Dec 05 2025, 08:21 pm

Login Number: L2575144

Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 3113.0001Y000

Received: 24NOV25 Due Date: 05DEC25

Sample #	Client ID	Mat	PR	Collected

MS/MSD,NO3/NO2-4500,NYTCL-8260,SO4-4500,SUB-DISSGAS,SUB-DISSGAS-CO2,TOC-9060

L2575144-09 DUP-112425 1 S0 24NOV25 12:00

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low 8260. Needs TICS Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound Package Due Date: 12/05/25

NO3/NO2-4500,NYTCL-8260,SO4-4500,SUB-DISSGAS,SUB-DISSGAS-CO2,TOC-9060

L2575144-10 MW-2D 1 S0 24NOV25 14:05

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low 8260. Needs TICS Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound Package Due Date: 12/05/25

NO3/NO2-4500,NYTCL-8260,SO4-4500,SUB-DISSGAS,SUB-DISSGAS-CO2,TOC-9060

Logged By: Riley Frankian

NEW YORK CHAIN OF CUSTODY

Pace Analytical Services

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

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

Service Centers
Woodcliff Lake, NJ 07677: 123 Tice Blvd, Suite 101
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 11.25.25

Pace Job: L2575144 ROUX – NY

Client Information

Client: Roux
Address: 209 Shafter street
Islandia, NY 11949
Phone: 631-232-2600
Fax:
Email: masmith@rouxinc.com

Project Information

Project Name: 1000 Turk Hill Rd GWS
Project Location: Fairport, NY
Project #: 3113.0001Y000
(Use Project name as Project #)
Project Manager: Matt Smith
PACE Quote #: 543322

Turn-Around Time

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

Deliverables

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

Billing Info

Same: X
PO #:

Regulatory Requirement

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

Disposal Site Information

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

These samples have been previously analyzed by Pace: ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

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

PACE Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260 + TICs	methane, ethane	ethene	Total organic carbon	Nitrate/Nitrite	Sulfate	Carbon Dioxide	Sample Specific Comments	Total Bottle
75144 01	TripBlank-1	11/24/25	15:00	W	ES	X								2
02	MW-10S	11/24/25	10:45	GW	ES	X	X	X	X	X	X	X		13
03	MW-3S	11/24/25	10:10	GW	JY	X	X	X	X	X	X	X		13
04	MW-1S	11/24/25	08:45	GW	JY	X								3
05	MW-8S	11/24/25	11:35	GW	JY	X	X	X	X	X	X	X		13
06	MW-29S	11/24/25	11:55	GW	ES	X	X	X	X	X	X	X	MS/MSD collected	37
07	MW-28S	11/24/25	13:20	GW	ES	X	X	X	X	X	X	X		13
08	MW-27S	11/24/25	12:40	GW	JY	X	X	X	X	X	X	X	ms/msd collected	39
09	DUP-112425	11/24/25	12:00	GW	JY	X	X	X	X	X	X	X		13
10	MW-2D	11/24/25	14:05	GW	JY	X	X	X	X	X	X	X		13

Container Type:
Preservative:

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Emily Smith	11/24/25 1532	Jeff Napal PACE	11/24/25 1532
Jeff Napal PACE	11/24/25 1650	Map Roch S.C.	11/24/25 1650
Roch S/C	11-24-25 1830	Ronnie Mauch/Pace	11-24-25 1830
Ronnie Mauch/Pace	11-24-25		11-24 2330
	11-25 0230		11/25/25 0230

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

Form No: 01-25 HC (rev. 29-Jan-2025)

Organics

GC/MS 8260
Analysis

Volatiles QC Summary

Surrogate Recovery Summary
Form 2
Volatiles

Client: Roux Env. Eng. & Geology, DPC
Project Name: 1000 TURK HILL RD GWS

Lab Number: L2575144
Project Number: 3113.0001Y000
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
TRIP BLANK-1 (L2575144-01)	104	96	98	105	0
MW-10S (L2575144-02)	107	96	95	113	0
MW-3S (L2575144-03)	107	97	101	112	0
MW-1S (L2575144-04)	110	97	99	109	0
MW-8S (L2575144-05)	112	100	101	112	0
MW-29S (L2575144-06)	106	98	96	113	0
MW-28S (L2575144-07)	111	98	98	111	0
MW-27S (L2575144-08)	109	96	99	110	0
DUP-112425 (L2575144-09)	112	96	99	111	0
MW-2D (L2575144-10)	114	99	99	112	0
WG2149663-3LCS	87	99	98	97	0
WG2149663-4LCSD	95	98	96	99	0
WG2149663-5BLANK	101	95	102	110	0
MW-29SMS	105	95	95	104	0
MW-29SMSD	102	97	96	98	0
MW-27SMS	102	99	95	105	0
MW-27SMSD	96	95	95	98	0

QC LIMITS

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

*** Values outside of QC limits**

FORM II NYTCL-8260

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2149663-3 **Analysis Date** : 12/04/25 07:24	**File ID**	: VE251204A01
LCSD Sample ID	: WG2149663-4 **Analysis Date** : 12/04/25 07:48	**File ID**	: VE251204A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	10	100	10	9.7	97	3	70-130	20
1,1-Dichloroethane	10	9.6	96	10	10	100	4	70-130	20
Chloroform	10	9.6	96	10	9.2	92	4	70-130	20
Carbon tetrachloride	10	11	110	10	10	100	10	63-132	20
1,2-Dichloropropane	10	9.5	95	10	8.8	88	8	70-130	20
Dibromochloromethane	10	8.9	89	10	7.7	77	14	63-130	20
1,1,2-Trichloroethane	10	9.6	96	10	8.1	81	17	70-130	20
Tetrachloroethene	10	10	100	10	9.5	95	5	70-130	20
Chlorobenzene	10	10	100	10	9.3	93	7	75-130	20
Trichlorofluoromethane	10	9.5	95	10	9.3	93	2	62-150	20
1,2-Dichloroethane	10	9.8	98	10	8.9	89	10	70-130	20
1,1,1-Trichloroethane	10	10	100	10	9.7	97	3	67-130	20
Bromodichloromethane	10	10	100	10	9.2	92	8	67-130	20
trans-1,3-Dichloropropene	10	8.6	86	10	7.6	76	12	70-130	20
cis-1,3-Dichloropropene	10	10	100	10	8.8	88	13	70-130	20
1,1-Dichloropropene	10	10	100	10	9.1	91	9	70-130	20
Bromoform	10	8.2	82	10	6.9	69	17	54-136	20
1,1,2,2-Tetrachloroethane	10	9.5	95	10	8.1	81	16	67-130	20
Benzene	10	10	100	10	9.3	93	7	70-130	20
Toluene	10	10	100	10	9.1	91	9	70-130	20
Ethylbenzene	10	10	100	10	9.3	93	7	70-130	20
Chloromethane	10	10	100	10	8.8	88	13	64-130	20
Bromomethane	10	11	110	10	9.4	94	16	39-139	20
Vinyl chloride	10	12	120	10	11	110	9	55-140	20
Chloroethane	10	11	110	10	10	100	10	55-138	20
1,1-Dichloroethene	10	9.6	96	10	9.3	93	3	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2149663-3 **Analysis Date** : 12/04/25 07:24	**File ID**	: VE251204A01
LCSD Sample ID	: WG2149663-4 **Analysis Date** : 12/04/25 07:48	**File ID**	: VE251204A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	10	10	100	10	8.8	88	13	70-130	20
Trichloroethene	10	9.8	98	10	8.6	86	13	70-130	20
1,2-Dichlorobenzene	10	10	100	10	9.1	91	9	70-130	20
1,3-Dichlorobenzene	10	11	110	10	9.0	90	20	70-130	20
1,4-Dichlorobenzene	10	10	100	10	8.9	89	12	70-130	20
Methyl tert butyl ether	10	8.5	85	10	7.9	79	7	63-130	20
p/m-Xylene	20	21	105	20	18	90	15	70-130	20
o-Xylene	20	21	105	20	18	90	15	70-130	20
cis-1,2-Dichloroethene	10	10	100	10	9.7	97	3	70-130	20
Dibromomethane	10	9.8	98	10	9.0	90	9	70-130	20
1,2,3-Trichloropropane	10	9.4	94	10	7.6	76	21 Q	64-130	20
Acrylonitrile	10	9.4	94	10	8.3	83	12	70-130	20
Styrene	20	19	95	20	17	85	11	70-130	20
Dichlorodifluoromethane	10	11	110	10	10	100	10	36-147	20
Acetone	10	9.5	95	10	9.4	94	1	58-148	20
Carbon disulfide	10	9.6	96	10	9.7	97	1	51-130	20
2-Butanone	10	7.3	73	10	7.7	77	5	63-138	20
Vinyl acetate	10	9.7	97	10	8.8	88	10	70-130	20
4-Methyl-2-pentanone	10	8.7	87	10	7.9	79	10	59-130	20
2-Hexanone	10	8.5	85	10	8.2	82	4	57-130	20
Bromochloromethane	10	11	110	10	9.4	94	16	70-130	20
2,2-Dichloropropane	10	12	120	10	10	100	18	63-133	20
1,2-Dibromoethane	10	8.7	87	10	8.0	80	8	70-130	20
1,3-Dichloropropane	10	9.1	91	10	7.9	79	14	70-130	20
1,1,1,2-Tetrachloroethane	10	9.8	98	10	8.5	85	14	64-130	20
Bromobenzene	10	10	100	10	8.9	89	12	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2149663-3 **Analysis Date** : 12/04/25 07:24	**File ID**	: VE251204A01
LCSD Sample ID	: WG2149663-4 **Analysis Date** : 12/04/25 07:48	**File ID**	: VE251204A02

	Laboratory Control Sample			Laboratory Control Duplicate						
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD		Recovery Limits	RPD Limit
n-Butylbenzene	10	11	110	10	8.9	89	21	Q	53-136	20
sec-Butylbenzene	10	11	110	10	9.1	91	19		70-130	20
tert-Butylbenzene	10	11	110	10	9.0	90	20		70-130	20
o-Chlorotoluene	10	10	100	10	8.9	89	12		70-130	20
p-Chlorotoluene	10	11	110	10	8.9	89	21	Q	70-130	20
1,2-Dibromo-3-chloropropane	10	8.4	84	10	8.2	82	2		41-144	20
Hexachlorobutadiene	10	12	120	10	10	100	18		63-130	20
Isopropylbenzene	10	10	100	10	8.8	88	13		70-130	20
p-Isopropyltoluene	10	11	110	10	8.9	89	21	Q	70-130	20
Naphthalene	10	9.1	91	10	7.8	78	15		70-130	20
n-Propylbenzene	10	11	110	10	9.0	90	20		69-130	20
1,2,3-Trichlorobenzene	10	10	100	10	8.7	87	14		70-130	20
1,2,4-Trichlorobenzene	10	10	100	10	8.7	87	14		70-130	20
1,3,5-Trimethylbenzene	10	10	100	10	8.5	85	16		64-130	20
1,2,4-Trimethylbenzene	10	10	100	10	8.8	88	13		70-130	20
1,4-Dioxane	500	500	100	500	470	94	6		56-162	20
p-Diethylbenzene	10	11	110	10	9.0	90	20		70-130	20
p-Ethyltoluene	10	11	110	10	9.3	93	17		70-130	20
1,2,4,5-Tetramethylbenzene	10	9.7	97	10	8.0	80	19		70-130	20
Ethyl ether	10	8.3	83	10	7.9	79	5		59-134	20
trans-1,4-Dichloro-2-butene	10	9.1	91	10	7.7	77	17		70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: MW-29S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2575144-06	**Analysis Date**	: 12/04/25 13:32
Matrix Spike	: WG2149663-6	**MS Analysis Date**	: 12/04/25 17:39
Matrix Spike Dup	: WG2149663-7	**MSD Analysis Date**	: 12/04/25 18:04

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	10	9.8	98	10	10	100	2	70-130	20
1,1-Dichloroethane	ND	10	11	110	10	10	100	10	70-130	20
Chloroform	ND	10	9.8	98	10	9.8	98	0	70-130	20
Carbon tetrachloride	ND	10	11	110	10	11	110	0	63-132	20
1,2-Dichloropropane	ND	10	9.2	92	10	9.7	97	5	70-130	20
Dibromochloromethane	ND	10	8.9	89	10	8.6	86	3	63-130	20
1,1,2-Trichloroethane	ND	10	8.6	86	10	8.7	87	1	70-130	20
Tetrachloroethene	ND	10	9.8	98	10	9.3	93	5	70-130	20
Chlorobenzene	ND	10	9.9	99	10	9.6	96	3	75-130	20
Trichlorofluoromethane	ND	10	9.7	97	10	8.6	86	12	62-150	20
1,2-Dichloroethane	ND	10	10	100	10	10	100	0	70-130	20
1,1,1-Trichloroethane	ND	10	11	110	10	11	110	0	67-130	20
Bromodichloromethane	ND	10	10	100	10	9.9	99	1	67-130	20
trans-1,3-Dichloropropene	ND	10	7.8	78	10	8.0	80	3	70-130	20
cis-1,3-Dichloropropene	ND	10	8.6	86	10	8.8	88	2	70-130	20
1,1-Dichloropropene	ND	10	9.8	98	10	9.5	95	3	70-130	20
Bromoform	ND	10	7.9	79	10	8.1	81	2	54-136	20
1,1,2,2-Tetrachloroethane	ND	10	9.4	94	10	9.5	95	1	67-130	20
Benzene	ND	10	9.8	98	10	10	100	2	70-130	20
Toluene	ND	10	9.7	97	10	9.5	95	2	70-130	20
Ethylbenzene	ND	10	9.9	99	10	9.3	93	6	70-130	20
Chloromethane	ND	10	9.1	91	10	10	100	9	64-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: MW-29S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2575144-06	**Analysis Date**	: 12/04/25 13:32
Matrix Spike	: WG2149663-6	**MS Analysis Date**	: 12/04/25 17:39
Matrix Spike Dup	: WG2149663-7	**MSD Analysis Date**	: 12/04/25 18:04

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Bromomethane	ND	10	3.9	39	10	5.4	54	32 Q	39-139	20
Vinyl chloride	ND	10	11	110	10	11	110	0	55-140	20
Chloroethane	ND	10	12	120	10	16	160 Q	29 Q	55-138	20
1,1-Dichloroethene	ND	10	9.7	97	10	9.5	95	2	61-145	20
trans-1,2-Dichloroethene	ND	10	9.4	94	10	9.9	99	5	70-130	20
Trichloroethene	0.59	10	10	94	10	10	94	0	70-130	20
1,2-Dichlorobenzene	ND	10	9.5	95	10	9.5	95	0	70-130	20
1,3-Dichlorobenzene	ND	10	9.0	90	10	9.1	91	1	70-130	20
1,4-Dichlorobenzene	ND	10	9.3	93	10	9.0	90	3	70-130	20
Methyl tert butyl ether	ND	10	8.8	88	10	9.2	92	4	63-130	20
p/m-Xylene	ND	20	19	95	20	18	90	5	70-130	20
o-Xylene	ND	20	19	95	20	19	95	0	70-130	20
cis-1,2-Dichloroethene	ND	10	10	100	10	11	110	10	70-130	20
Dibromomethane	ND	10	10	100	10	10	100	0	70-130	20
1,2,3-Trichloropropane	ND	10	9.1	91	10	9.1	91	0	64-130	20
Acrylonitrile	ND	10	9.9	99	10	11	110	11	70-130	20
Styrene	ND	20	18	90	20	17	85	6	70-130	20
Dichlorodifluoromethane	ND	10	9.9	99	10	9.1	91	8	36-147	20
Acetone	7.9	10	17	91	10	17	91	0	58-148	20
Carbon disulfide	ND	10	11	110	10	11	110	0	51-130	20
2-Butanone	ND	10	18	180 Q	10	12	120	40 Q	63-138	20
Vinyl acetate	ND	10	8.8	88	10	9.3	93	6	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: MW-29S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2575144-06	**Analysis Date**	: 12/04/25 13:32
Matrix Spike	: WG2149663-6	**MS Analysis Date**	: 12/04/25 17:39
Matrix Spike Dup	: WG2149663-7	**MSD Analysis Date**	: 12/04/25 18:04

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
4-Methyl-2-pentanone	ND	10	10	100	10	10	100	0	59-130	20
2-Hexanone	ND	10	9.3	93	10	9.9	99	6	57-130	20
Bromochloromethane	ND	10	11	110	10	10	100	10	70-130	20
2,2-Dichloropropane	ND	10	8.8	88	10	9.0	90	2	63-133	20
1,2-Dibromoethane	ND	10	8.5	85	10	8.7	87	2	70-130	20
1,3-Dichloropropane	ND	10	9.0	90	10	9.3	93	3	70-130	20
1,1,1,2-Tetrachloroethane	ND	10	9.1	91	10	9.2	92	1	64-130	20
Bromobenzene	ND	10	9.4	94	10	9.2	92	2	70-130	20
n-Butylbenzene	ND	10	9.0	90	10	8.2	82	9	53-136	20
sec-Butylbenzene	ND	10	9.4	94	10	8.4	84	11	70-130	20
tert-Butylbenzene	ND	10	9.4	94	10	8.7	87	8	70-130	20
o-Chlorotoluene	ND	10	9.0	90	10	8.8	88	2	70-130	20
p-Chlorotoluene	ND	10	9.2	92	10	8.9	89	3	70-130	20
1,2-Dibromo-3-chloropropane	ND	10	9.2	92	10	9.9	99	7	41-144	20
Hexachlorobutadiene	ND	10	10	100	10	9.0	90	11	63-130	20
Isopropylbenzene	ND	10	9.1	91	10	8.4	84	8	70-130	20
p-Isopropyltoluene	ND	10	9.1	91	10	8.3	83	9	70-130	20
Naphthalene	ND	10	9.4	94	10	9.9	99	5	70-130	20
n-Propylbenzene	ND	10	9.3	93	10	8.7	87	7	69-130	20
1,2,3-Trichlorobenzene	ND	10	9.7	97	10	10	100	3	70-130	20
1,2,4-Trichlorobenzene	ND	10	9.6	96	10	9.4	94	2	70-130	20
1,3,5-Trimethylbenzene	ND	10	9.1	91	10	8.6	86	6	64-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: MW-29S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2575144-06	**Analysis Date**	: 12/04/25 13:32
Matrix Spike	: WG2149663-6	**MS Analysis Date**	: 12/04/25 17:39
Matrix Spike Dup	: WG2149663-7	**MSD Analysis Date**	: 12/04/25 18:04

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	**Sample Conc. (ug/l)**	**Spike Added (ug/l)**	**Spike Conc. (ug/l)**	**%R**	**Spike Added (ug/l)**	**Spike Conc. (ug/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
1,2,4-Trimethylbenzene	ND	10	9.1	91	10	8.8	88	3	70-130	20
1,4-Dioxane	ND	500	470	94	500	540	108	14	56-162	20
p-Diethylbenzene	ND	10	9.0	90	10	8.3	83	8	70-130	20
p-Ethyltoluene	ND	10	9.6	96	10	8.9	89	8	70-130	20
1,2,4,5-Tetramethylbenzene	ND	10	8.0	80	10	7.9	79	1	70-130	20
Ethyl ether	ND	10	9.4	94	10	9.2	92	2	59-134	20
trans-1,4-Dichloro-2-butene	ND	10	7.8	78	10	8.1	81	4	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: MW-27S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2575144-08	**Analysis Date**	: 12/04/25 14:21
Matrix Spike	: WG2149663-8	**MS Analysis Date**	: 12/04/25 18:28
Matrix Spike Dup	: WG2149663-9	**MSD Analysis Date**	: 12/04/25 18:53

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	10	11	110	10	11	110	0	70-130	20
1,1-Dichloroethane	ND	10	11	110	10	11	110	0	70-130	20
Chloroform	ND	10	11	110	10	10	100	10	70-130	20
Carbon tetrachloride	ND	10	12	120	10	12	120	0	63-132	20
1,2-Dichloropropane	ND	10	9.9	99	10	9.8	98	1	70-130	20
Dibromochloromethane	ND	10	9.2	92	10	9.0	90	2	63-130	20
1,1,2-Trichloroethane	ND	10	9.6	96	10	9.0	90	6	70-130	20
Tetrachloroethene	ND	10	9.7	97	10	9.8	98	1	70-130	20
Chlorobenzene	ND	10	10	100	10	10	100	0	75-130	20
Trichlorofluoromethane	ND	10	10	100	10	10	100	0	62-150	20
1,2-Dichloroethane	ND	10	10	100	10	10	100	0	70-130	20
1,1,1-Trichloroethane	ND	10	12	120	10	12	120	0	67-130	20
Bromodichloromethane	ND	10	11	110	10	10	100	10	67-130	20
trans-1,3-Dichloropropene	ND	10	7.9	79	10	7.9	79	0	70-130	20
cis-1,3-Dichloropropene	ND	10	9.5	95	10	9.1	91	4	70-130	20
1,1-Dichloropropene	ND	10	9.8	98	10	10	100	2	70-130	20
Bromoform	ND	10	8.4	84	10	8.2	82	2	54-136	20
1,1,2,2-Tetrachloroethane	ND	10	9.7	97	10	9.4	94	3	67-130	20
Benzene	ND	10	11	110	10	10	100	10	70-130	20
Toluene	ND	10	10	100	10	10	100	0	70-130	20
Ethylbenzene	ND	10	9.9	99	10	10	100	1	70-130	20
Chloromethane	ND	10	10	100	10	11	110	10	64-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: MW-27S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2575144-08	**Analysis Date**	: 12/04/25 14:21
Matrix Spike	: WG2149663-8	**MS Analysis Date**	: 12/04/25 18:28
Matrix Spike Dup	: WG2149663-9	**MSD Analysis Date**	: 12/04/25 18:53

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Bromomethane	ND	10	6.0	60	10	5.6	56	7	39-139	20
Vinyl chloride	1.7	10	14	123	10	14	123	0	55-140	20
Chloroethane	ND	10	13	130	10	12	120	8	55-138	20
1,1-Dichloroethene	ND	10	11	110	10	11	110	0	61-145	20
trans-1,2-Dichloroethene	ND	10	11	110	10	10	100	10	70-130	20
Trichloroethene	ND	10	9.7	97	10	9.8	98	1	70-130	20
1,2-Dichlorobenzene	ND	10	10	100	10	10	100	0	70-130	20
1,3-Dichlorobenzene	ND	10	9.8	98	10	9.9	99	1	70-130	20
1,4-Dichlorobenzene	ND	10	9.4	94	10	9.9	99	5	70-130	20
Methyl tert butyl ether	ND	10	9.8	98	10	9.9	99	1	63-130	20
p/m-Xylene	ND	20	20	100	20	20	100	0	70-130	20
o-Xylene	ND	20	20	100	20	20	100	0	70-130	20
cis-1,2-Dichloroethene	ND	10	11	110	10	11	110	0	70-130	20
Dibromomethane	ND	10	11	110	10	10	100	10	70-130	20
1,2,3-Trichloropropane	ND	10	9.2	92	10	9.1	91	1	64-130	20
Acrylonitrile	ND	10	11	110	10	10	100	10	70-130	20
Styrene	ND	20	18	90	20	19	95	5	70-130	20
Dichlorodifluoromethane	ND	10	10	100	10	10	100	0	36-147	20
Acetone	ND	10	12	120	10	12	120	0	58-148	20
Carbon disulfide	ND	10	12	120	10	12	120	0	51-130	20
2-Butanone	ND	10	9.8	98	10	9.4	94	4	63-138	20
Vinyl acetate	ND	10	9.9	99	10	9.1	91	8	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: MW-27S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2575144-08	**Analysis Date**	: 12/04/25 14:21
Matrix Spike	: WG2149663-8	**MS Analysis Date**	: 12/04/25 18:28
Matrix Spike Dup	: WG2149663-9	**MSD Analysis Date**	: 12/04/25 18:53

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
4-Methyl-2-pentanone	ND	10	9.8	98	10	9.5	95	3	59-130	20
2-Hexanone	ND	10	9.4	94	10	9.3	93	1	57-130	20
Bromochloromethane	ND	10	11	110	10	11	110	0	70-130	20
2,2-Dichloropropane	ND	10	9.2	92	10	9.4	94	2	63-133	20
1,2-Dibromoethane	ND	10	8.8	88	10	8.9	89	1	70-130	20
1,3-Dichloropropane	ND	10	9.0	90	10	9.3	93	3	70-130	20
1,1,1,2-Tetrachloroethane	ND	10	9.4	94	10	9.6	96	2	64-130	20
Bromobenzene	ND	10	9.6	96	10	9.9	99	3	70-130	20
n-Butylbenzene	ND	10	9.0	90	10	9.4	94	4	53-136	20
sec-Butylbenzene	ND	10	9.4	94	10	9.7	97	3	70-130	20
tert-Butylbenzene	ND	10	9.5	95	10	10	100	5	70-130	20
o-Chlorotoluene	ND	10	9.7	97	10	9.8	98	1	70-130	20
p-Chlorotoluene	ND	10	9.4	94	10	9.9	99	5	70-130	20
1,2-Dibromo-3-chloropropane	ND	10	9.8	98	10	9.6	96	2	41-144	20
Hexachlorobutadiene	ND	10	11	110	10	11	110	0	63-130	20
Isopropylbenzene	ND	10	9.3	93	10	9.5	95	2	70-130	20
p-Isopropyltoluene	ND	10	9.3	93	10	9.5	95	2	70-130	20
Naphthalene	ND	10	9.7	97	10	9.9	99	2	70-130	20
n-Propylbenzene	ND	10	9.2	92	10	9.5	95	3	69-130	20
1,2,3-Trichlorobenzene	ND	10	11	110	10	11	110	0	70-130	20
1,2,4-Trichlorobenzene	ND	10	10	100	10	10	100	0	70-130	20
1,3,5-Trimethylbenzene	ND	10	9.3	93	10	9.5	95	2	64-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: MW-27S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2575144-08	**Analysis Date**	: 12/04/25 14:21
Matrix Spike	: WG2149663-8	**MS Analysis Date**	: 12/04/25 18:28
Matrix Spike Dup	: WG2149663-9	**MSD Analysis Date**	: 12/04/25 18:53

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
1,2,4-Trimethylbenzene	ND	10	9.4	94	10	9.6	96	2	70-130	20
1,4-Dioxane	ND	500	580	116	500	540	108	7	56-162	20
p-Diethylbenzene	ND	10	9.3	93	10	9.4	94	1	70-130	20
p-Ethyltoluene	ND	10	9.6	96	10	9.8	98	2	70-130	20
1,2,4,5-Tetramethylbenzene	ND	10	8.5	85	10	9.1	91	7	70-130	20
Ethyl ether	ND	10	10	100	10	9.5	95	5	59-134	20
trans-1,4-Dichloro-2-butene	ND	10	8.2	82	10	8.0	80	2	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab Sample ID	: WG2149663-5	**Lab File ID**	: VE251204A05
Instrument ID	: ELAINE		
Matrix	: WATER	**Analysis Date**	: 12/04/25 09:01

Client Sample No.	Lab Sample ID	Analysis Date
WG2149663-3LCS	WG2149663-3	12/04/25 07:24
WG2149663-4LCSD	WG2149663-4	12/04/25 07:48
TRIP BLANK-1	L2575144-01	12/04/25 11:03
MW-10S	L2575144-02	12/04/25 11:28
MW-3S	L2575144-03	12/04/25 11:53
MW-1S	L2575144-04	12/04/25 12:42
MW-8S	L2575144-05	12/04/25 13:07
MW-29S	L2575144-06	12/04/25 13:32
MW-28S	L2575144-07	12/04/25 13:56
MW-27S	L2575144-08	12/04/25 14:21
DUP-112425	L2575144-09	12/04/25 14:46
MW-2D	L2575144-10	12/04/25 15:11
MW-29SMS	WG2149663-6	12/04/25 17:39
MW-29SMSD	WG2149663-7	12/04/25 18:04
MW-27SMS	WG2149663-8	12/04/25 18:28
MW-27SMSD	WG2149663-9	12/04/25 18:53

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

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: ELAINE	**Analysis Date**	: 11/10/25 19:57
Tune Standard	: WG2140152-1	**Tune File ID**	: VE251110NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	23.4
75	30.0 - 80.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.5 (.6)1
174	Greater than 50.0% of mass 95	79.6
175	5.0 - 9.0% of mass 174	5.7 (7.2)1
176	Greater than 95.0% but less than 101% of mass	76.3 (96)1
177	5.0 - 9.0% of mass 176	5 (6.5)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R2034683-1	VE251110N04	11/10/25 21:41
STD0.5PPB	R2034683-2	VE251110N05	11/10/25 22:05
STD2PPB	R2034683-4	VE251110N07	11/10/25 22:53
STD10PPB	R2034683-3	VE251110N09	11/10/25 23:42
STD30PPB	R2034683-5	VE251110N10	11/11/25 00:06
STD80PPB	R2034683-6	VE251110N11	11/11/25 00:30
STD120PPB	R2034683-7	VE251110N12	11/11/25 00:54
STD200PPB	R2034683-8	VE251110N13	11/11/25 01:18
Correlation Data Summary	R2034683-9	VE251110N18	11/11/25 03:19
ICV Quant Report	R2034683-9	VE251110N18	11/11/25 03:19

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

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: ELAINE	**Analysis Date**	: 12/04/25 07:05
Tune Standard	: WG2149663-1	**Tune File ID**	: VE251204ABF2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	24.9
75	30.0 - 80.0% of mass 95	51.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.7 (.8)1
174	Greater than 50.0% of mass 95	87.5
175	5.0 - 9.0% of mass 174	6.4 (7.3)1
176	Greater than 95.0% but less than 101% of mass	83.2 (95.1)1
177	5.0 - 9.0% of mass 176	5.4 (6.5)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2149663-2CCAL	WG2149663-2	VE251204A01	12/04/25 07:24
WG2149663-3LCS	WG2149663-3	VE251204A01	12/04/25 07:24
WG2149663-4LCSD	WG2149663-4	VE251204A02	12/04/25 07:48
WG2149663-5BLANK	WG2149663-5	VE251204A05	12/04/25 09:01
TRIP BLANK-1	L2575144-01	VE251204A10	12/04/25 11:03
MW-10S	L2575144-02	VE251204A11	12/04/25 11:28
MW-3S	L2575144-03	VE251204A12	12/04/25 11:53
MW-1S	L2575144-04	VE251204A14	12/04/25 12:42
MW-8S	L2575144-05	VE251204A15	12/04/25 13:07
MW-29S	L2575144-06	VE251204A16	12/04/25 13:32
MW-28S	L2575144-07	VE251204A17	12/04/25 13:56
MW-27S	L2575144-08	VE251204A18	12/04/25 14:21
DUP-112425	L2575144-09	VE251204A19	12/04/25 14:46
MW-2D	L2575144-10	VE251204A20	12/04/25 15:11
WG2149663-6MS	WG2149663-6	VE251204A26	12/04/25 17:39
WG2149663-7MSD	WG2149663-7	VE251204A27	12/04/25 18:04
WG2149663-8MS	WG2149663-8	VE251204A28	12/04/25 18:28
WG2149663-9MSD	WG2149663-9	VE251204A29	12/04/25 18:53

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: ELAINE	**Analysis Date**	: 12/04/25 07:24:00
Sample No	: WG2149663-2	**Lab File ID**	: VE251204A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2149663-2	228604	5.63	181694	9.13	98206	11.91
Upper Limit	457208	6.13	363388	9.63	196412	12.41
Lower Limit	114302	5.13	90847	8.63	49103	11.41
Sample ID						
WG2149663-3 LCS	228604	5.63	181694	9.13	98206	11.91
WG2149663-4 LCSD	219552	5.63	180229	9.13	102249	11.91
WG2149663-5 BLANK	191673	5.63	163119	9.13	88684	11.91
TRIP BLANK-1	184790	5.63	157268	9.13	83542	11.91
MW-10S	178824	5.63	158058	9.13	90707	11.91
MW-3S	187462	5.63	159386	9.13	84327	11.91
MW-1S	183493	5.63	154042	9.13	83643	11.91
MW-8S	180941	5.63	149329	9.13	79533	11.91
MW-29S	182221	5.63	156048	9.13	84879	11.91
MW-28S	186024	5.63	151648	9.13	83553	11.91
MW-27S	183888	5.63	153401	9.13	82006	11.91
DUP-112425	185380	5.63	154549	9.13	81841	11.91
MW-2D	183711	5.63	148220	9.13	79830	11.91
MW-29S MS	197882	5.63	163582	9.13	94991	11.91
MW-29S MSD	204837	5.63	168404	9.13	96007	11.91
MW-27S MS	201854	5.63	171408	9.13	97987	11.91
MW-27S MSD	212824	5.63	177900	9.13	100108	11.91

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

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

* Values outside of QC limits

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

Volatile Organics - EPA 8260D (WATER)

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

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

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

Volatile Organics - EPA 8260D (WATER)

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

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

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

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-01	Date Collected	: 11/24/25 15:00
Client ID	: TRIP BLANK-1	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 11:03
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A10	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-01	Date Collected	: 11/24/25 15:00
Client ID	: TRIP BLANK-1	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 11:03
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A10	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-01	Date Collected	: 11/24/25 15:00
Client ID	: TRIP BLANK-1	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 11:03
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A10	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-01	**Date Collected**	: 11/24/25 15:00
Client ID	: TRIP BLANK-1	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/04/25 11:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251204A10	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-01	**Date Collected**	: 11/24/25 15:00
Client ID	: TRIP BLANK-1	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/04/25 11:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251204A10	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 2 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	2.04	1.67	J
	Total TIC Compounds		1.67J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-02	Date Collected	: 11/24/25 10:45
Client ID	: MW-10S	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 11:28
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A11	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	0.76	2.5	0.70	J
100-41-4	Ethylbenzene	0.84	2.5	0.70	J
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-02	Date Collected	: 11/24/25 10:45
Client ID	: MW-10S	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 11:28
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A11	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	1.2	2.5	0.70	J
95-47-6	o-Xylene	1.2	2.5	0.70	J
1330-20-7	Xylenes, Total	2.4	2.5	0.70	J
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	3.1	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-02	Date Collected	: 11/24/25 10:45
Client ID	: MW-10S	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 11:28
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A11	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	2.4	2.5	0.70	J
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-02	**Date Collected**	: 11/24/25 10:45
Client ID	: MW-10S	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/04/25 11:28
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251204A11	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-02	**Date Collected**	: 11/24/25 10:45
Client ID	: MW-10S	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/04/25 11:28
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251204A11	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 3 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	2.03	1.34	J
	Unknown Benzene	11.30	1.7	J
	Total TIC Compounds		3.04J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-03	Date Collected	: 11/24/25 10:10
Client ID	: MW-3S	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 11:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A12	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-03	Date Collected	: 11/24/25 10:10
Client ID	: MW-3S	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 11:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A12	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	1.9	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	1.6	2.5	0.70	J
540-59-0	1,2-Dichloroethene, Total	1.6	2.5	0.70	J
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	4.1	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	3.5	5.0	1.9	J
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-03	Date Collected	: 11/24/25 10:10
Client ID	: MW-3S	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 11:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A12	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-03	**Date Collected**	: 11/24/25 10:10
Client ID	: MW-3S	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/04/25 11:53
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251204A12	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-03	**Date Collected**	: 11/24/25 10:10
Client ID	: MW-3S	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/04/25 11:53
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251204A12	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 2 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	2.01	2.14	J
	Total TIC Compounds		2.14J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-04	Date Collected	: 11/24/25 08:45
Client ID	: MW-1S	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 12:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A14	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-04	Date Collected	: 11/24/25 08:45
Client ID	: MW-1S	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 12:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A14	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-04	Date Collected	: 11/24/25 08:45
Client ID	: MW-1S	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 12:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A14	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-04	**Date Collected**	: 11/24/25 08:45
Client ID	: MW-1S	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/04/25 12:42
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251204A14	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-04	**Date Collected**	: 11/24/25 08:45
Client ID	: MW-1S	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/04/25 12:42
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251204A14	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 3 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	1.62	1.23	J
	Unknown	2.02	2.4	J
	Total TIC Compounds		3.63J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-05	Date Collected	: 11/24/25 11:35
Client ID	: MW-8S	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 13:07
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A15	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	1.8	1.0	0.07	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-05	Date Collected	: 11/24/25 11:35
Client ID	: MW-8S	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 13:07
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A15	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.27	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	0.90	2.5	0.70	J
540-59-0	1,2-Dichloroethene, Total	0.90	2.5	0.70	J
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-05	Date Collected	: 11/24/25 11:35
Client ID	: MW-8S	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 13:07
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A15	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-05	**Date Collected**	: 11/24/25 11:35
Client ID	: MW-8S	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/04/25 13:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251204A15	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-05	**Date Collected**	: 11/24/25 11:35
Client ID	: MW-8S	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/04/25 13:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251204A15	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 3 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	1.61	1.85	J
	Unknown	2.02	1.03	J
	Total TIC Compounds		2.88J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-06	Date Collected	: 11/24/25 11:55
Client ID	: MW-29S	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 13:32
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A16	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-06	Date Collected	: 11/24/25 11:55
Client ID	: MW-29S	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 13:32
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A16	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.59	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	7.9	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-06	Date Collected	: 11/24/25 11:55
Client ID	: MW-29S	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 13:32
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A16	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-06	**Date Collected**	: 11/24/25 11:55
Client ID	: MW-29S	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/04/25 13:32
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251204A16	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-06	**Date Collected**	: 11/24/25 11:55
Client ID	: MW-29S	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/04/25 13:32
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251204A16	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 3 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
007446-09-5	Sulfur dioxide	1.61	1.16	NJ
	Unknown	2.02	1.71	J
	Total TIC Compounds		2.87J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-07	Date Collected	: 11/24/25 13:20
Client ID	: MW-28S	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 13:56
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A17	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-07	Date Collected	: 11/24/25 13:20
Client ID	: MW-28S	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 13:56
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A17	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-07	Date Collected	: 11/24/25 13:20
Client ID	: MW-28S	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 13:56
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A17	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-07	**Date Collected**	: 11/24/25 13:20
Client ID	: MW-28S	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/04/25 13:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251204A17	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-07	**Date Collected**	: 11/24/25 13:20
Client ID	: MW-28S	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/04/25 13:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251204A17	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 2 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	1.61	1.78	J
	Total TIC Compounds		1.78J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-08	Date Collected	: 11/24/25 12:40
Client ID	: MW-27S	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 14:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A18	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	1.7	1.0	0.07	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-08	Date Collected	: 11/24/25 12:40
Client ID	: MW-27S	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 14:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A18	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-08	Date Collected	: 11/24/25 12:40
Client ID	: MW-27S	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 14:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A18	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-08	**Date Collected**	: 11/24/25 12:40
Client ID	: MW-27S	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/04/25 14:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251204A18	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-08	**Date Collected**	: 11/24/25 12:40
Client ID	: MW-27S	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/04/25 14:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251204A18	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 2 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	1.62	1	J
	Total TIC Compounds		1.00J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-09	Date Collected	: 11/24/25 12:00
Client ID	: DUP-112425	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 14:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A19	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-09	Date Collected	: 11/24/25 12:00
Client ID	: DUP-112425	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 14:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A19	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	2.1	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	1.3	2.5	0.70	J
540-59-0	1,2-Dichloroethene, Total	1.3	2.5	0.70	J
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	5.3	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	3.6	5.0	1.9	J
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-09	Date Collected	: 11/24/25 12:00
Client ID	: DUP-112425	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 14:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A19	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-09	**Date Collected**	: 11/24/25 12:00
Client ID	: DUP-112425	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/04/25 14:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251204A19	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-09	**Date Collected**	: 11/24/25 12:00
Client ID	: DUP-112425	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/04/25 14:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251204A19	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 2 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	2.02	2.58	J
	Total TIC Compounds		2.58J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-10	Date Collected	: 11/24/25 14:05
Client ID	: MW-2D	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 15:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A20	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	10	1.0	0.07	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-10	Date Collected	: 11/24/25 14:05
Client ID	: MW-2D	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 15:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A20	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	7.7	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	10	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	10	2.5	0.70	
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	5.2	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	6.7	5.0	1.9	
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-10	Date Collected	: 11/24/25 14:05
Client ID	: MW-2D	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 15:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE251204A20	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-10	**Date Collected**	: 11/24/25 14:05
Client ID	: MW-2D	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/04/25 15:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251204A20	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-10	**Date Collected**	: 11/24/25 14:05
Client ID	: MW-2D	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/04/25 15:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE251204A20	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 3 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	1.61	1.75	J
	Unknown	2.02	1.19	J
	Total TIC Compounds		2.94J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: WG2149663-5	Date Collected	: NA
Client ID	: WG2149663-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/04/25 09:01
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VE251204A05	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: WG2149663-5	Date Collected	: NA
Client ID	: WG2149663-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/04/25 09:01
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VE251204A05	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: WG2149663-5	Date Collected	: NA
Client ID	: WG2149663-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/04/25 09:01
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VE251204A05	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2149663-5	**Date Collected**	: NA
Client ID	: WG2149663-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/04/25 09:01
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VE251204A05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2149663-5	**Date Collected**	: NA
Client ID	: WG2149663-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/04/25 09:01
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VE251204A05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 2 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	2.04	1.38	J
	Total TIC Compounds		1.38J	J

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A10.D
Acq On : 4 Dec 2025 11:03 am
Operator : ELAINE:MJV
Sample : L2575144-01,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 04 12:33:56 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.629	96	184790	10.000 ug/L	0.00
Standard Area 1 = 228604			Recovery = 80.83%		
63) Chlorobenzene-d5	9.127	117	157268	10.000 ug/L	0.00
Standard Area 1 = 181694			Recovery = 86.56%		
84) 1,4-Dichlorobenzene-d4	11.911	152	83542	10.000 ug/L	0.00
Standard Area 1 = 98206			Recovery = 85.07%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.843	113	53376	10.480 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.80%		
47) 1,2-Dichloroethane-d4	5.353	65	71840	10.353 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.53%		
64) Toluene-d8	7.301	98	201049	9.553 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.53%		
88) 4-Bromofluorobenzene	10.664	95	78246	9.825 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.25%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.459	85	89	N.D.	
3) Chloromethane	1.627	50	91	N.D.	
4) Vinyl chloride	1.618	62	88	N.D.	
5) Bromomethane	1.989	94	125	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	2.442	74	44	N.D.	
10) 1,1-Dichloroethene	2.664	96	61	N.D.	
11) Carbon disulfide	2.696	76	271	N.D.	
15) Methylene chloride	3.212	84	102	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	3.411	96	54	N.D.	
21) Methyl tert-butyl ether	3.353	73	45	N.D.	
25) 1,1-Dichloroethane	3.864	63	46	N.D.	
27) Acrylonitrile	4.041	53	47	N.D.	
29) Vinyl acetate	4.141	43	202	N.D.	
30) cis-1,2-Dichloroethene	4.435	96	49	N.D.	
31) 2,2-Dichloropropane	4.503	77	45	N.D.	
33) Bromochloromethane	4.544	128	147	0.071 ug/L #	1
35) Chloroform	4.635	83	50	Below Cal #	23

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A10.D
Acq On : 4 Dec 2025 11:03 am
Operator : ELAINE:MJV
Sample : L2575144-01,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 04 12:33:56 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	4.911	117	48	N.D.		
40) 1,1,1-Trichloroethane	4.779	97	57	N.D.		
42) 2-Butanone	4.961	43	44	N.D.		
43) 1,1-Dichloropropene	4.943	75	49	N.D.		
45) Benzene	5.243	78	49	N.D.		
48) 1,2-Dichloroethane	5.445	62	42	N.D.		
52) Trichloroethene	5.787	95	109	N.D.		
54) Dibromomethane	6.222	93	51	N.D.		
55) 1,2-Dichloropropane	6.327	63	43	N.D.		
58) Bromodichloromethane	6.384	83	48	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.		
62) cis-1,3-Dichloropropene	7.165	75	50	N.D.		
65) Toluene	7.371	92	119	N.D.		
66) 4-Methyl-2-pentanone	7.665	58	42	N.D.		
67) Tetrachloroethene	0.000		0	N.D.	d	
69) trans-1,3-Dichloropropene	0.000		0	N.D.		
72) 1,1,2-Trichloroethane	8.052	83	41	N.D.		
73) Chlorodibromomethane	8.052	129	43	N.D.		
74) 1,3-Dichloropropane	8.262	76	72	N.D.		
75) 1,2-Dibromoethane	8.543	107	52	N.D.		
77) 2-Hexanone	8.802	43	69	N.D.		
78) Chlorobenzene	9.144	112	129	N.D.		
79) Ethylbenzene	9.188	91	143	N.D.		
80) 1,1,1,2-Tetrachloroethane	9.166	131	54	N.D.		
81) p/m Xylene	9.372	106	46	N.D.		
82) o Xylene	9.903	106	41	N.D.		
83) Styrene	10.048	104	43	N.D.		
85) Bromoform	0.000		0	N.D.	d	
87) Isopropylbenzene	10.333	105	43	N.D.		
89) Bromobenzene	10.681	156	48	N.D.		
90) n-Propylbenzene	10.831	91	151	N.D.		
92) 1,1,2,2-Tetrachloroethane	11.025	83	49	N.D.		
93) 4-Ethyltoluene	10.950	105	116	N.D.		
94) 2-Chlorotoluene	10.831	91	151	N.D.		
95) 1,3,5-Trimethylbenzene	11.148	105	106	N.D.		
96) 1,2,3-Trichloropropane	11.113	75	40	N.D.		
97) trans-1,4-Dichloro-2-b...	11.104	53	67	N.D.		
98) 4-Chlorotoluene	11.188	91	40	N.D.		
99) tert-Butylbenzene	11.426	119	57	N.D.		

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A10.D
Acq On : 4 Dec 2025 11:03 am
Operator : ELAINE:MJV
Sample : L2575144-01,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 04 12:33:56 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.492	105	203	N.D.		
103) sec-Butylbenzene	11.505	105	165	N.D.		
104) p-Isopropyltoluene	11.778	119	84	N.D.		
105) 1,3-Dichlorobenzene	11.814	146	47	N.D.		
106) 1,4-Dichlorobenzene	11.933	146	104	N.D.		
107) p-Diethylbenzene	12.153	119	134	N.D.		
108) n-Butylbenzene	12.171	91	64	N.D.		
109) 1,2-Dichlorobenzene	12.320	146	52	N.D.		
110) 1,2,4,5-Tetramethylben...	13.008	119	84	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	d	
113) Hexachlorobutadiene	0.000		0	N.D.	d	
114) 1,2,4-Trichlorobenzene	13.783	180	41	N.D.		
115) Naphthalene	14.083	128	166	N.D.		
116) 1,2,3-Trichlorobenzene	14.312	180	42	N.D.		

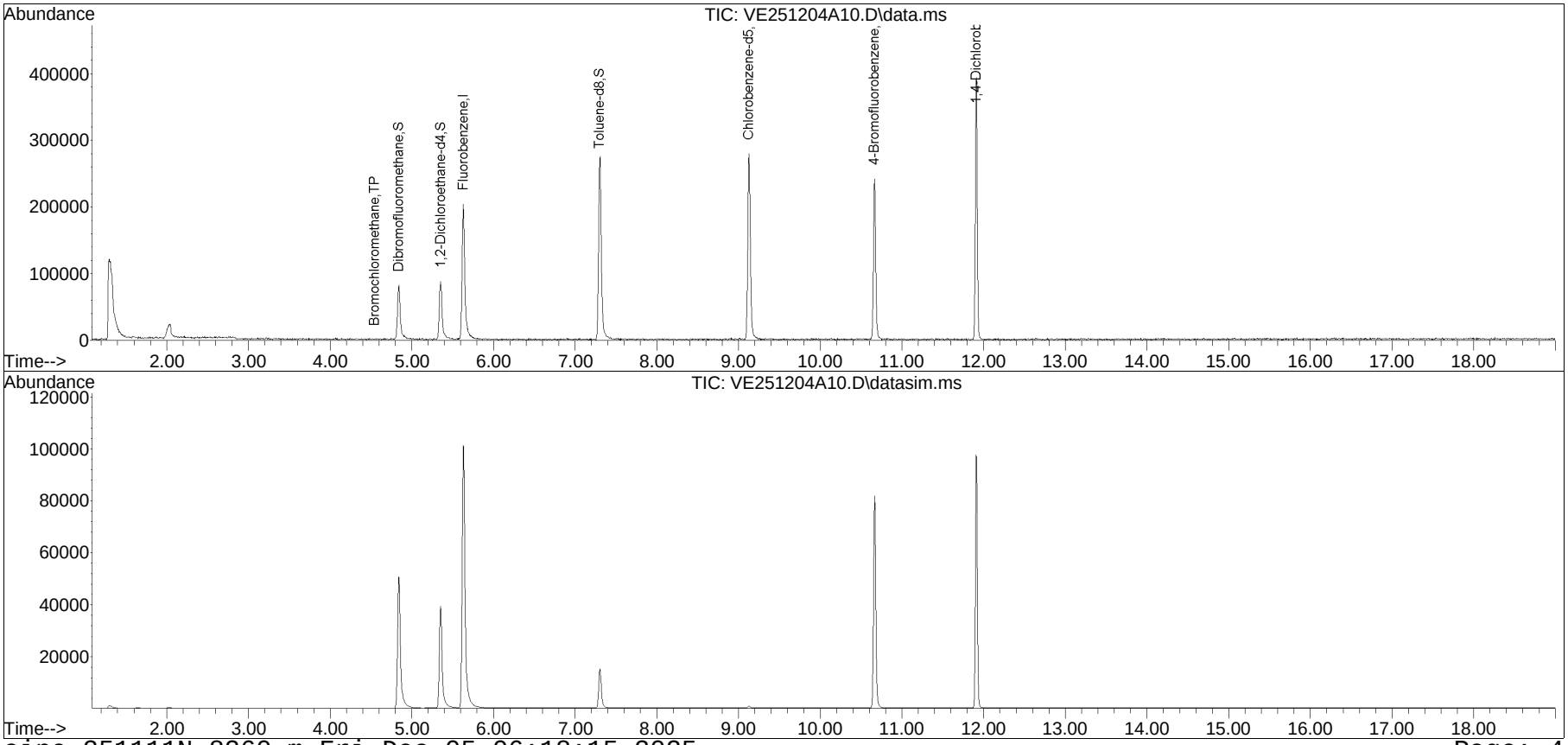
(#) = qualifier out of range (m) = manual integration (+) = signals summed

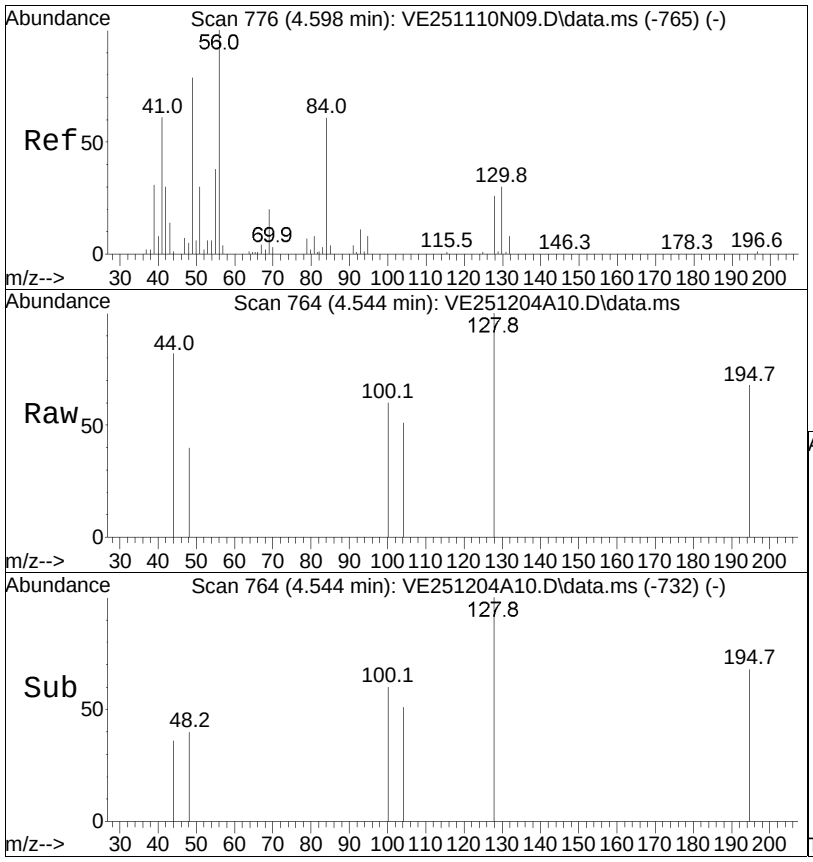
Quantitation Report (QT/LSC Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A10.D
Acq On : 4 Dec 2025 11:03 am
Operator : ELAINE:MJV
Sample : L2575144-01,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 04 12:33:56 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox51204A01.D•

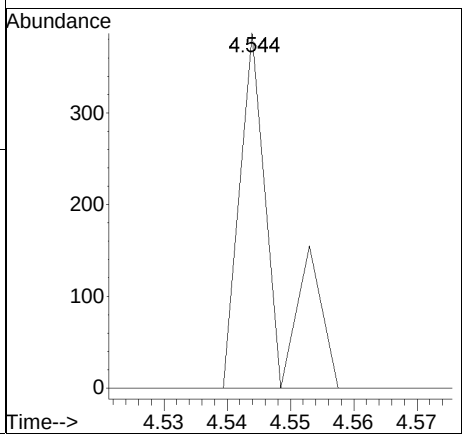




#33
Bromochloromethane
Concen: 0.07 ug/L
RT: 4.544 min Scan# 764
Delta R.T. -0.054 min
Lab File: VE251204A10.D
Acq: 4 Dec 2025 11:03 am

Tgt Ion:128 Resp: 147

Ion	Ratio	Lower	Upper
128	100		
49	0.0	295.7	443.5#
130	0.0	101.9	152.9#



Manual Integration Report

Data Path	: K:\Elaine\2025\251204A\	QMethod	: Elaine_251111N_8260.m
Data File	: VE251204A10.D	Operator	: ELAINE:MJV
Date Inj'd	: 12/4/2025 11:03 am	Instrument	: Elaine
Sample	: L2575144-01,31,10,10,,A	Quant Date	: 12/4/2025 12:24 pm

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

LSC Area Percent Report

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A10.D
Acq On : 4 Dec 2025 11:03 am
Operator : ELAINE:MJV
Sample : L2575144-01,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 1 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VE251204A10.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.043	194	212	220	rBV8	22080	80889	12.49%	2.413%
2	4.843	817	830	843	rBV2	81370	193557	29.89%	5.774%
3	5.353	930	944	964	rBV2	87056	215139	33.22%	6.418%
4	5.629	995	1007	1036	rBV	202962	485575	74.98%	14.486%
5	7.306	1377	1389	1414	rBV2	275177	647640	100.00%	19.321%
6	9.127	1793	1804	1830	rBV2	279011	625917	96.65%	18.673%
7	10.664	2142	2154	2174	rVB2	242120	465820	71.93%	13.897%
8	11.911	2428	2437	2453	rBV	392977	637451	98.43%	19.017%

Sum of corrected areas: 3351988

Signal : TIC: VE251204A10.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

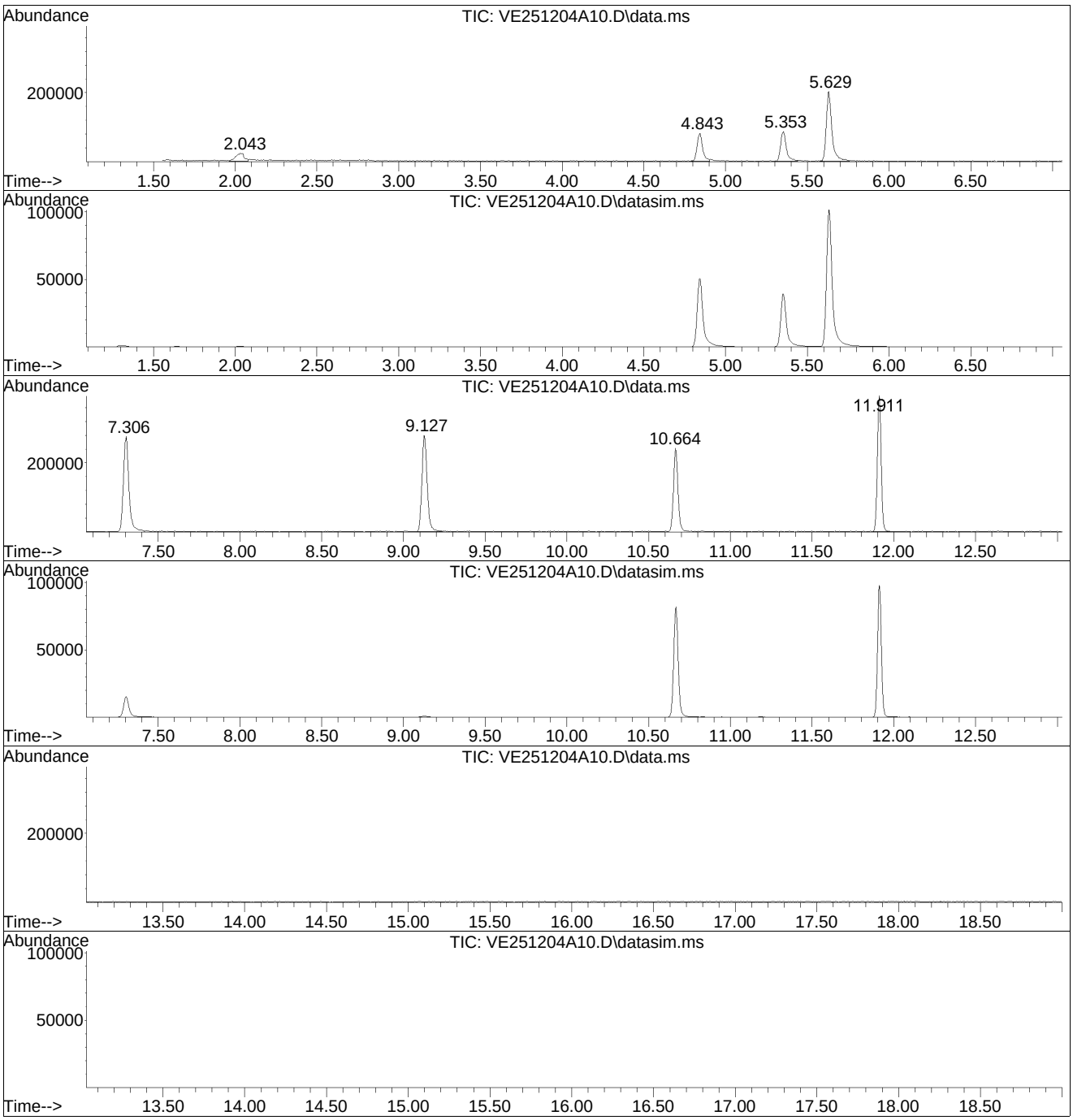
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A10.D
Acq On : 4 Dec 2025 11:03 am
Operator : ELAINE:MJV
Sample : L2575144-01,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A10.D
Acq On : 4 Dec 2025 11:03 am
Operator : ELAINE:MJV
Sample : L2575144-01,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

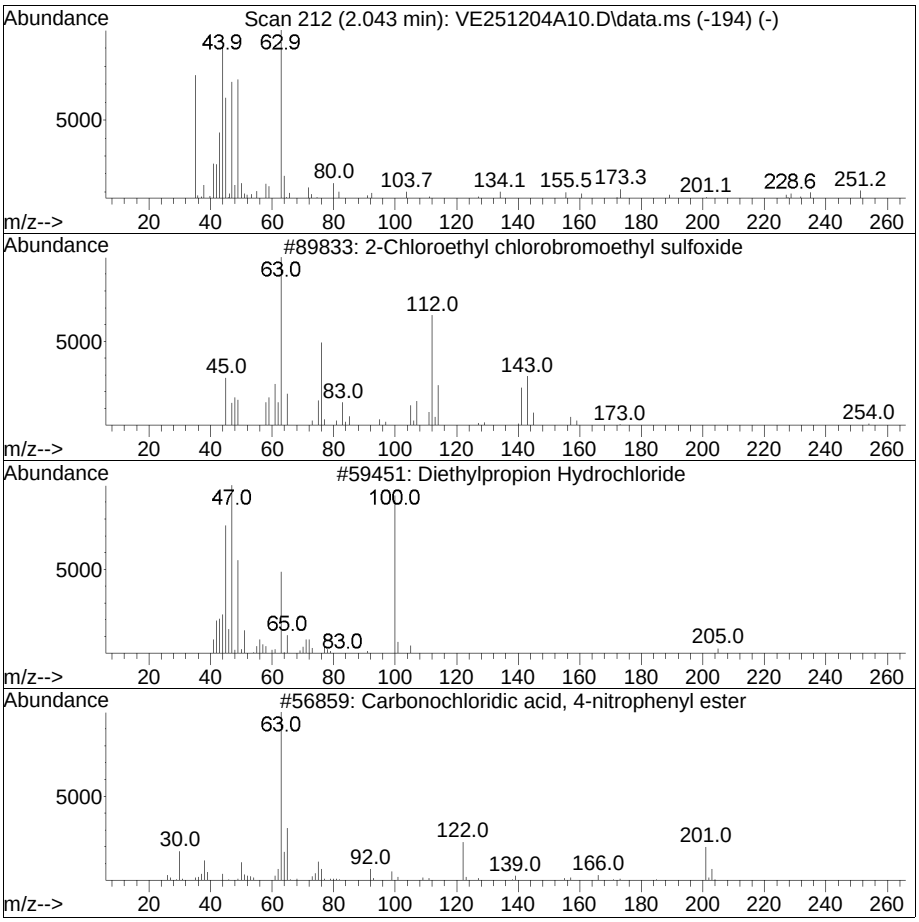
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

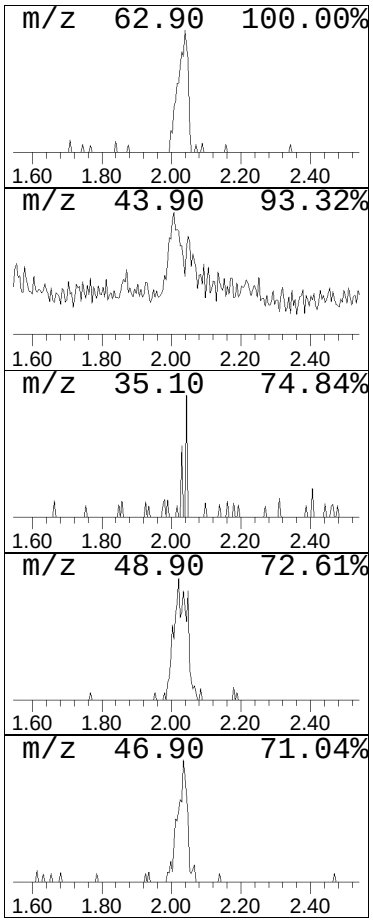
****

Peak Number 1 Unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.043	1.67 ug/L	80889	Fluorobenzene	5.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Chloroethyl chlorobromoethyl s...	252	C4H7BrCl2OS	1000226-90-1	28
2	Diethylpropion Hydrochloride	205	C13H19NO	000134-80-5	20
3	Carbonochloridic acid, 4-nitroph...	201	C7H4ClNO4	007693-46-1	14
4	(Z)-1-Chloro-2-(methylsulfonyl)e...	140	C3H5ClO2S	115584-12-8	10
5	Disulfide, bis(2-chloroethyl)	190	C4H8Cl2S2	001002-41-1	10





Tentatively Identified Compound (LSC) summary

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A10.D
Acq On : 4 Dec 2025 11:03 am
Operator : ELAINE:MJV
Sample : L2575144-01,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown	2.043	1.7	ug/L	80889	1	5.629	485575	10.0

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A11.D
Acq On : 4 Dec 2025 11:28 am
Operator : ELAINE:MJV
Sample : L2575144-02,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 04 12:35:08 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.629	96	178824	10.000 ug/L	0.00
Standard Area 1 = 228604			Recovery = 78.22%		
63) Chlorobenzene-d5	9.131	117	158058	10.000 ug/L	0.00
Standard Area 1 = 181694			Recovery = 86.99%		
84) 1,4-Dichlorobenzene-d4	11.911	152	90707	10.000 ug/L	0.00
Standard Area 1 = 98206			Recovery = 92.36%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.843	113	55708	11.303 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.03%		
47) 1,2-Dichloroethane-d4	5.353	65	71587	10.661 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.61%		
64) Toluene-d8	7.301	98	203395	9.616 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.16%		
88) 4-Bromofluorobenzene	10.664	95	82281	9.516 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.16%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.427	85	50	N.D.	
3) Chloromethane	1.636	50	249	N.D.	
4) Vinyl chloride	1.708	62	48	N.D.	
5) Bromomethane	1.993	94	147	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	2.523	74	43	N.D.	
10) 1,1-Dichloroethene	2.641	96	61	N.D.	
11) Carbon disulfide	2.700	76	1711	0.127 ug/L	100
15) Methylene chloride	3.121	84	44	N.D.	
17) Acetone	3.235	43	4833M3	3.080 ug/L	
18) trans-1,2-Dichloroethene	3.330	96	46	N.D.	
21) Methyl tert-butyl ether	3.470	73	69	N.D.	
25) 1,1-Dichloroethane	3.905	63	127	N.D.	
27) Acrylonitrile	3.946	53	68	N.D.	
29) Vinyl acetate	4.113	43	59	N.D.	
30) cis-1,2-Dichloroethene	4.403	96	1643	0.360 ug/L #	75
31) 2,2-Dichloropropane	0.000		0	N.D. d	
33) Bromochloromethane	4.675	128	73	N.D.	
35) Chloroform	4.720	83	48	Below Cal #	1

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A11.D
Acq On : 4 Dec 2025 11:28 am
Operator : ELAINE:MJV
Sample : L2575144-02,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 04 12:35:08 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	4.734	117	57	N.D.		
40) 1,1,1-Trichloroethane	4.861	97	58	N.D.		
42) 2-Butanone	0.000		0	N.D.	d	
43) 1,1-Dichloropropene	5.001	75	49	N.D.		
45) Benzene	5.221	78	225	N.D.		
48) 1,2-Dichloroethane	5.397	62	50	N.D.		
52) Trichloroethene	5.814	95	152	N.D.		
54) Dibromomethane	6.253	93	40	N.D.		
55) 1,2-Dichloropropane	6.169	63	39	N.D.		
58) Bromodichloromethane	6.454	83	54	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.	d	
62) cis-1,3-Dichloropropene	7.139	75	51	N.D.		
65) Toluene	7.363	92	8947	0.763	ug/L	89
66) 4-Methyl-2-pentanone	0.000		0	N.D.	d	
67) Tetrachloroethene	0.000		0	N.D.		
69) trans-1,3-Dichloropropene	0.000		0	N.D.	d	
72) 1,1,2-Trichloroethane	8.038	83	67	N.D.		
73) Chlorodibromomethane	8.253	129	50	N.D.		
74) 1,3-Dichloropropane	8.236	76	45	N.D.		
75) 1,2-Dibromoethane	8.591	107	43	N.D.		
77) 2-Hexanone	0.000		0	N.D.	d	
78) Chlorobenzene	9.153	112	42	N.D.		
79) Ethylbenzene	9.201	91	20441	0.835	ug/L	98
80) 1,1,1,2-Tetrachloroethane	9.390	131	48	N.D.		
81) p/m Xylene	9.377	106	11716	1.225	ug/L	94
82) o Xylene	9.925	106	11615	1.225	ug/L	98
83) Styrene	10.000	104	63	N.D.		
85) Bromoform	10.048	173	44	0.334	ug/L #	27
87) Isopropylbenzene	10.333	105	3275	0.124	ug/L	99
89) Bromobenzene	0.000		0	N.D.	d	
90) n-Propylbenzene	10.840	91	4419	0.133	ug/L	95
92) 1,1,2,2-Tetrachloroethane	10.915	83	45	N.D.		
93) 4-Ethyltoluene	10.946	105	17228	0.664	ug/L	99
94) 2-Chlorotoluene	0.000		0	N.D.	d	
95) 1,3,5-Trimethylbenzene	11.065	105	6350	0.273	ug/L	95
96) 1,2,3-Trichloropropane	11.065	75	190	N.D.		
97) trans-1,4-Dichloro-2-b...	11.087	53	104	N.D.		
98) 4-Chlorotoluene	0.000		0	N.D.	d	
99) tert-Butylbenzene	11.404	119	301	N.D.		

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A11.D
Acq On : 4 Dec 2025 11:28 am
Operator : ELAINE:MJV
Sample : L2575144-02,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 04 12:35:08 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102)	1,2,4-Trimethylbenzene	11.497	105	56570	2.439	ug/L	99
103)	sec-Butylbenzene	0.000		0	N.D.	d	
104)	p-Isopropyltoluene	11.761	119	503	N.D.		
105)	1,3-Dichlorobenzene	11.840	146	153	N.D.		
106)	1,4-Dichlorobenzene	11.840	146	153	N.D.		
107)	p-Diethylbenzene	0.000		0	N.D.	d	
108)	n-Butylbenzene	12.215	91	66	N.D.		
109)	1,2-Dichlorobenzene	12.342	146	114	N.D.		
110)	1,2,4,5-Tetramethylben...	12.959	119	1352	N.D.		
111)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.	d	
113)	Hexachlorobutadiene	0.000		0	N.D.		
114)	1,2,4-Trichlorobenzene	13.770	180	92	N.D.		
115)	Naphthalene	14.069	128	1109	0.074	ug/L	100
116)	1,2,3-Trichlorobenzene	14.277	180	47	N.D.		

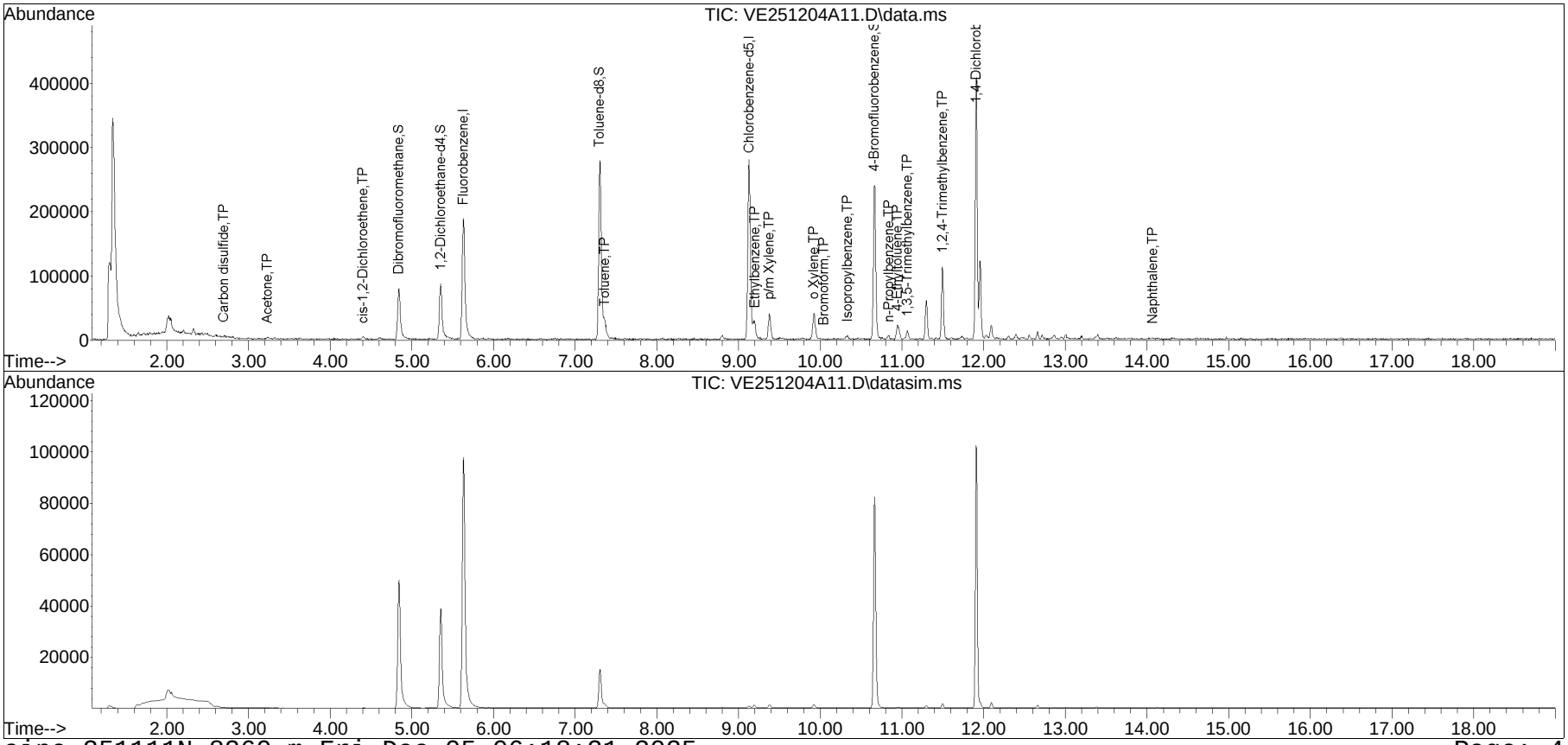
(#) = qualifier out of range (m) = manual integration (+) = signals summed

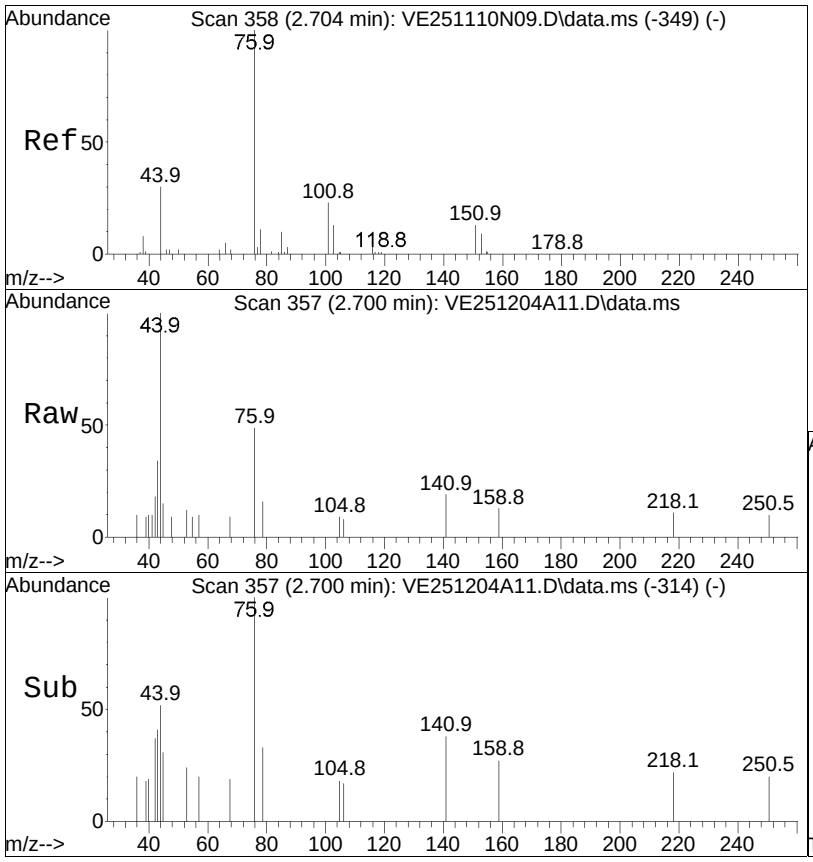
Quantitation Report (QT/LSC Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A11.D
Acq On : 4 Dec 2025 11:28 am
Operator : ELAINE:MJV
Sample : L2575144-02,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 04 12:35:08 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox51204A01.D•

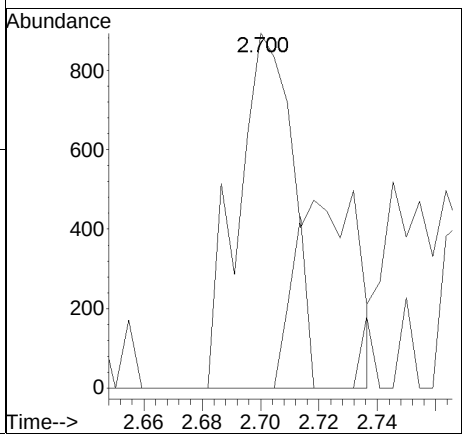


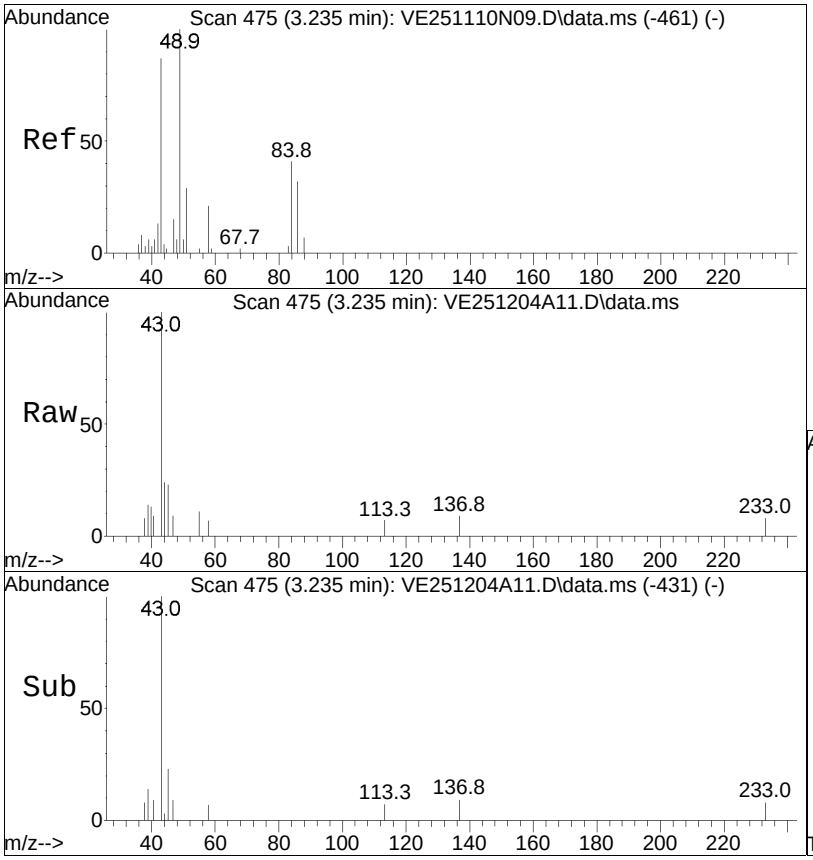


#11
Carbon disulfide
Concen: 0.13 ug/L
RT: 2.700 min Scan# 357
Delta R.T. -0.004 min
Lab File: VE251204A11.D
Acq: 4 Dec 2025 11:28 am

Tgt Ion: 76 Resp: 1711

Ion	Ratio	Lower	Upper
76	100		
78	10.1	6.6	13.8

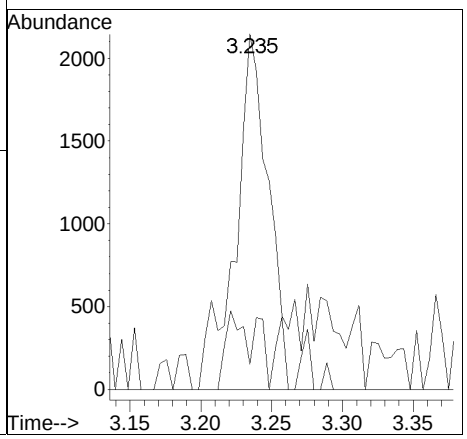


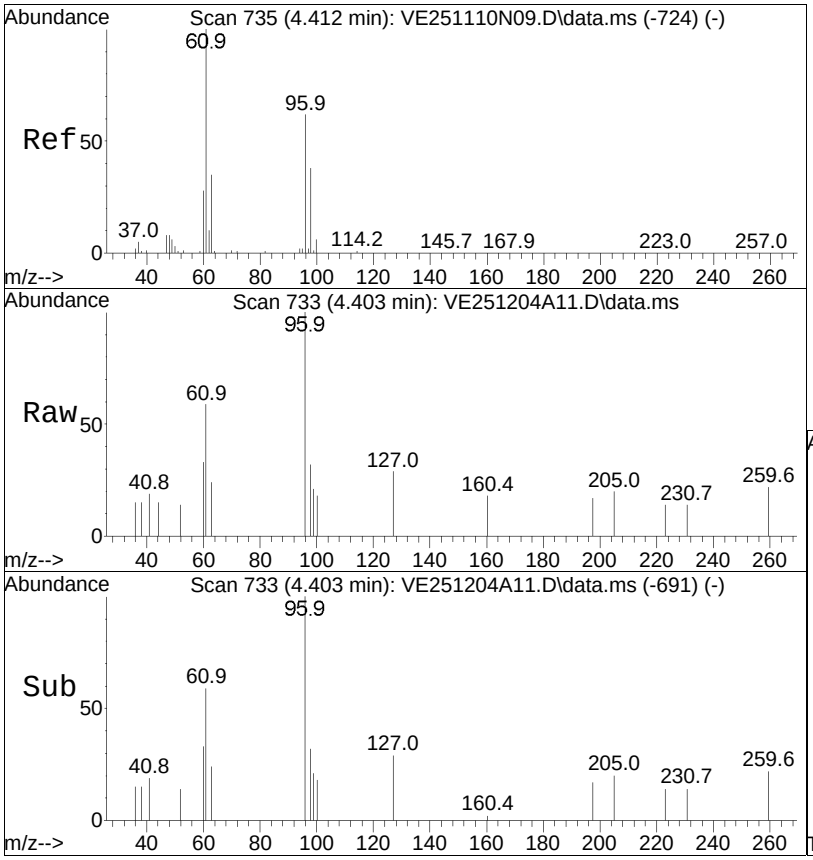


#17
Acetone
Concen: 3.08 ug/L M3
RT: 3.235 min Scan# 475
Delta R.T. -0.000 min
Lab File: VE251204A11.D
Acq: 4 Dec 2025 11:28 am

Tgt Ion: 43 Resp: 4833

Ion	Ratio	Lower	Upper
43	100		
58	1.0	16.2	24.4#

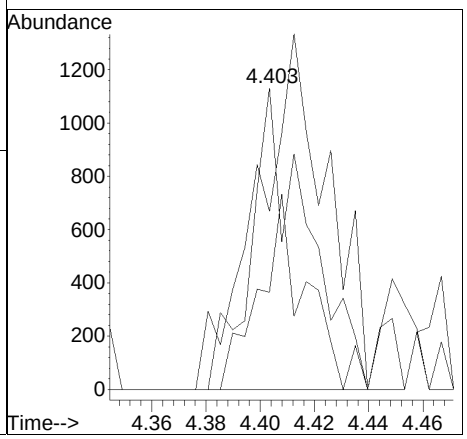


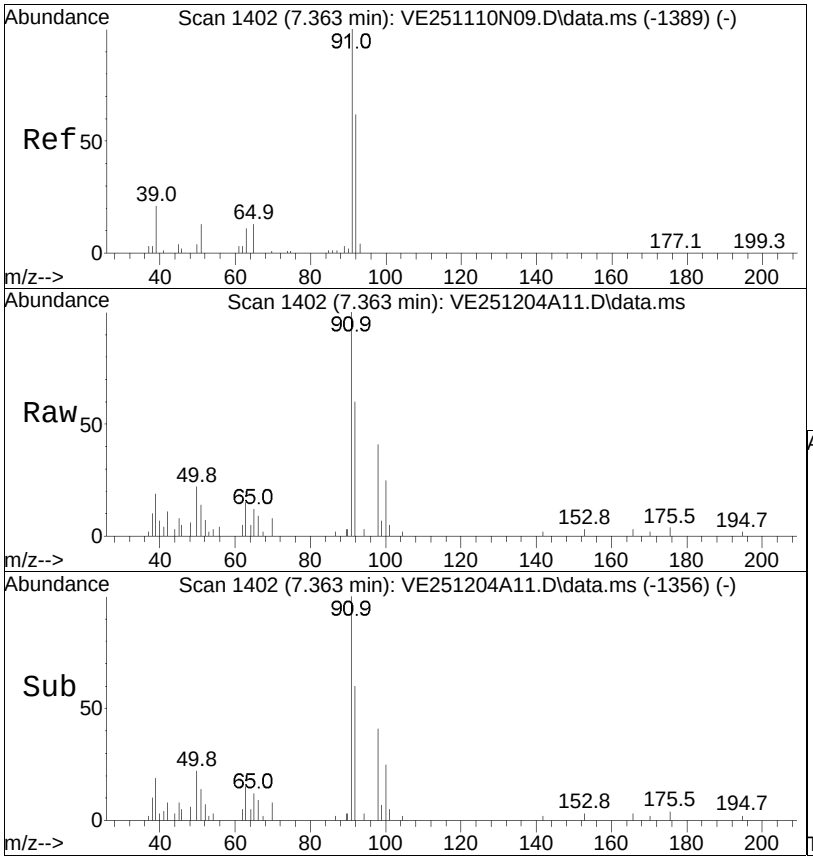


#30
cis-1,2-Dichloroethene
Concen: 0.36 ug/L
RT: 4.403 min Scan# 733
Delta R.T. -0.009 min
Lab File: VE251204A11.D
Acq: 4 Dec 2025 11:28 am

Tgt Ion: 96 Resp: 1643

Ion	Ratio	Lower	Upper
96	100		
61	149.0	153.3	229.9#
98	54.2	52.8	79.2

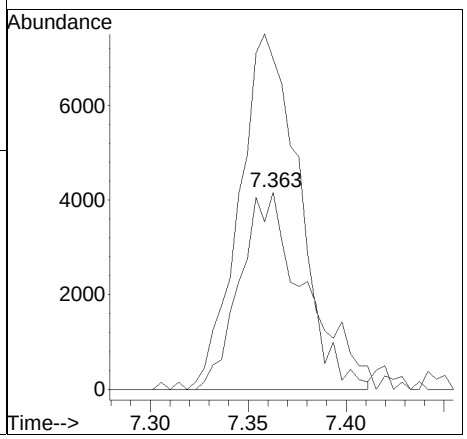


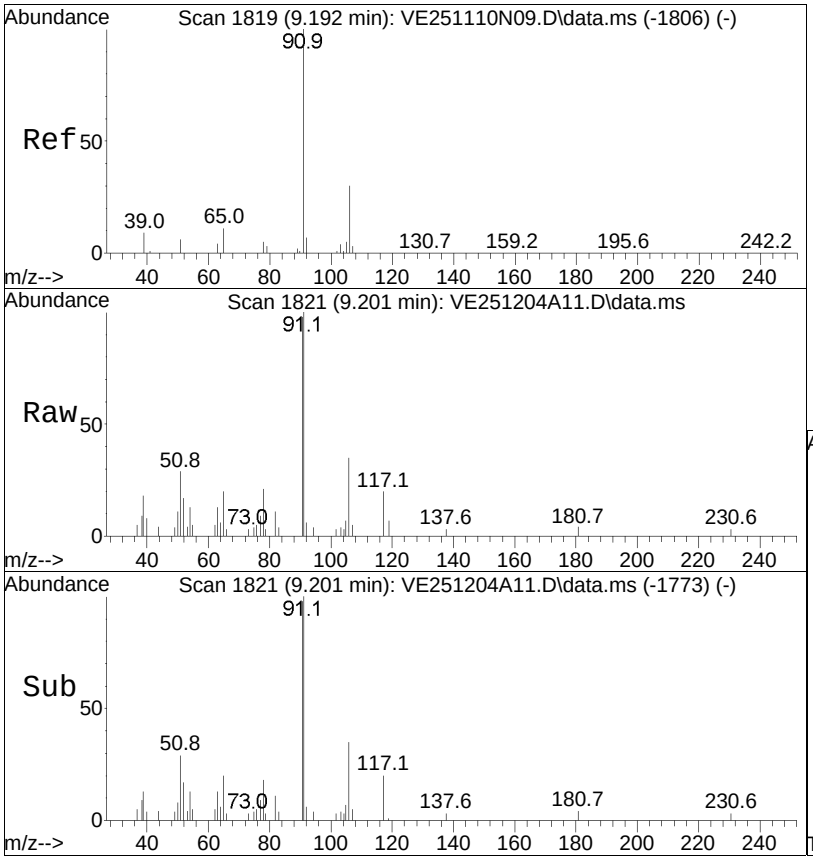


#65
Toluene
Concen: 0.76 ug/L
RT: 7.363 min Scan# 1402
Delta R.T. -0.000 min
Lab File: VE251204A11.D
Acq: 4 Dec 2025 11:28 am

Tgt Ion: 92 Resp: 8947

Ion	Ratio	Lower	Upper
92	100		
91	186.3	136.4	204.6

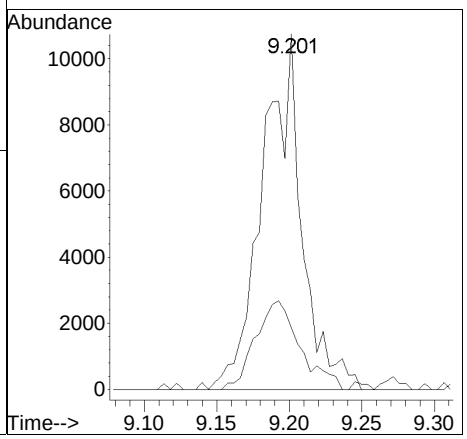


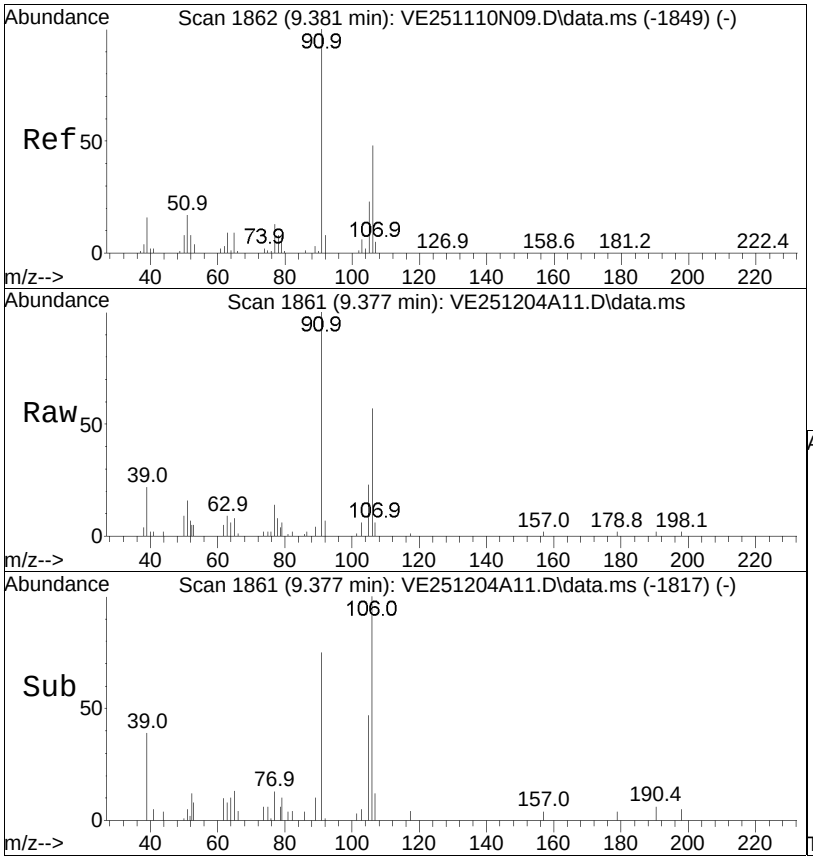


#79
Ethylbenzene
Concen: 0.83 ug/L
RT: 9.201 min Scan# 1821
Delta R.T. 0.009 min
Lab File: VE251204A11.D
Acq: 4 Dec 2025 11:28 am

Tgt Ion: 91 Resp: 20441

Ion	Ratio	Lower	Upper
91	100		
106	28.0	23.4	35.0

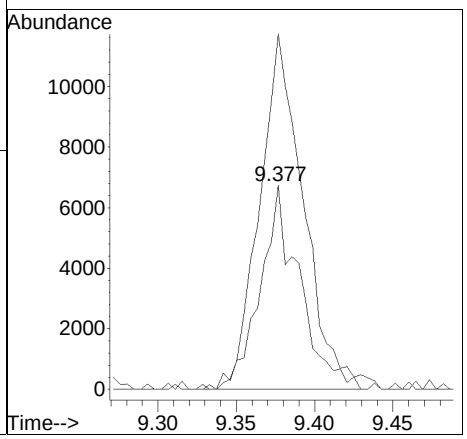


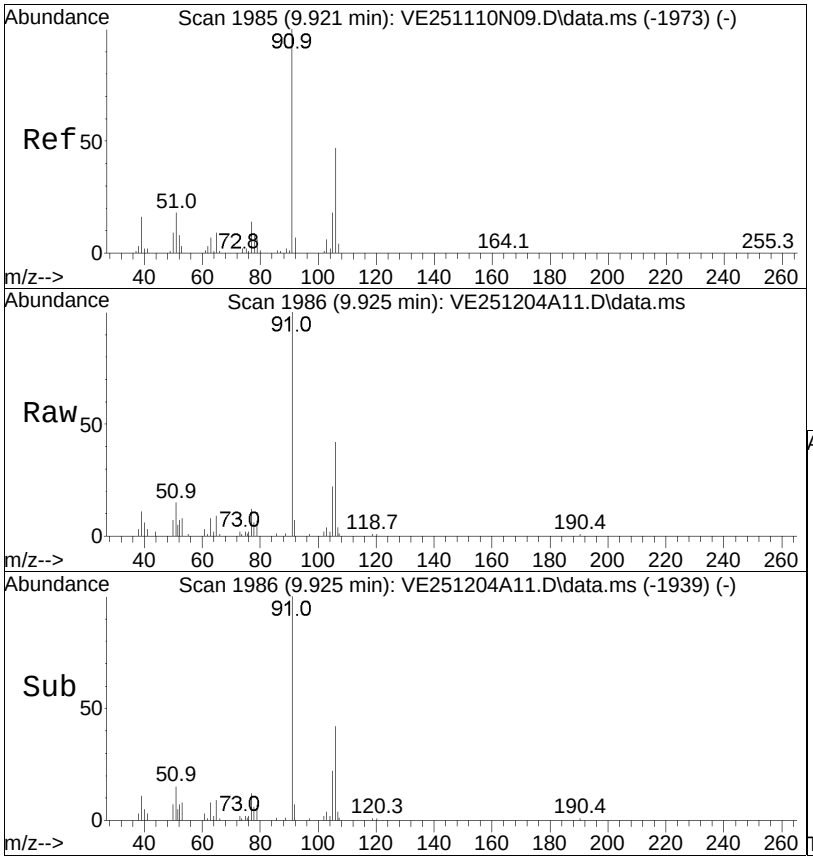


#81
p/m Xylene
Concen: 1.22 ug/L
RT: 9.377 min Scan# 1861
Delta R.T. -0.004 min
Lab File: VE251204A11.D
Acq: 4 Dec 2025 11:28 am

Tgt Ion:106 Resp: 11716

Ion	Ratio	Lower	Upper
106	100		
91	196.5	165.2	247.8

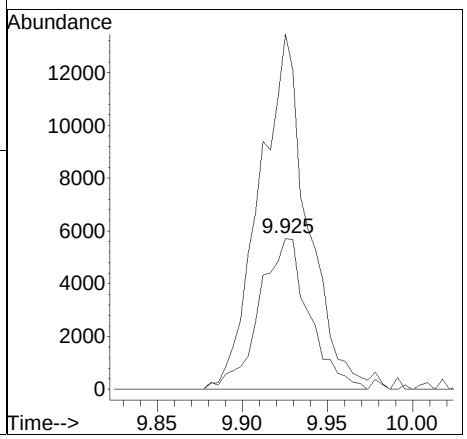


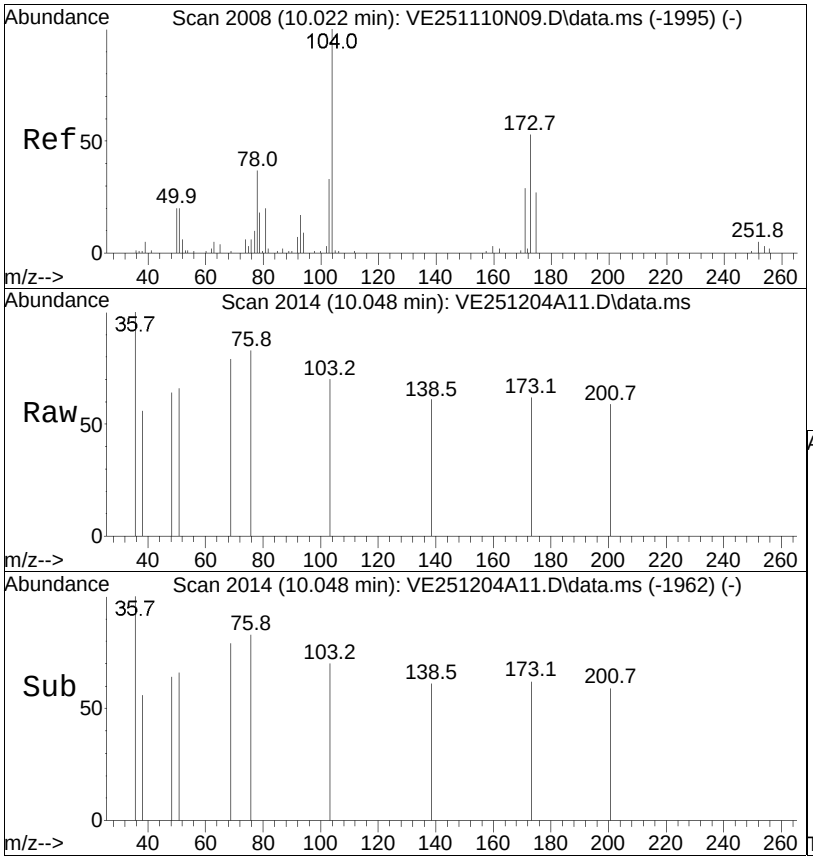


#82
o Xylene
Concen: 1.23 ug/L
RT: 9.925 min Scan# 1986
Delta R.T. 0.004 min
Lab File: VE251204A11.D
Acq: 4 Dec 2025 11:28 am

Tgt Ion:106 Resp: 11615

Ion	Ratio	Lower	Upper
106	100		
91	230.7	181.8	272.8

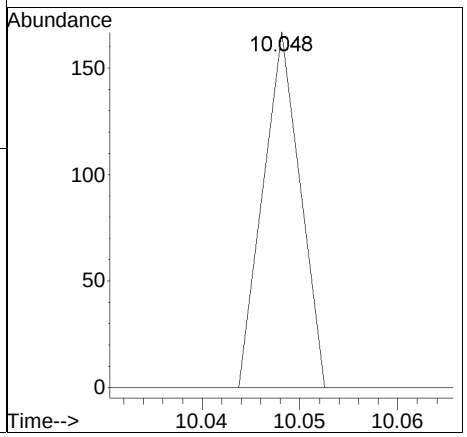


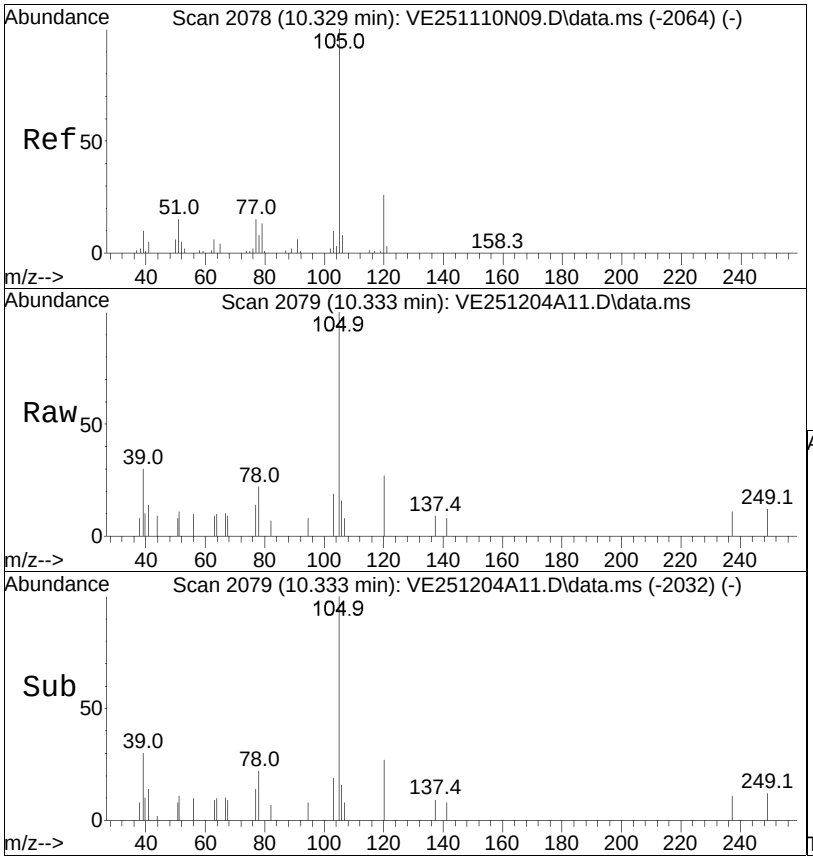


#85
Bromoform
Concen: 0.33 ug/L
RT: 10.048 min Scan# 2014
Delta R.T. 0.026 min
Lab File: VE251204A11.D
Acq: 4 Dec 2025 11:28 am

Tgt Ion:173 Resp: 44

Ion	Ratio	Lower	Upper
173	100		
175	0.0	29.9	69.9#

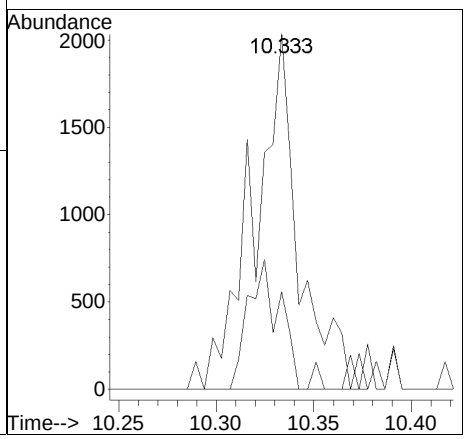


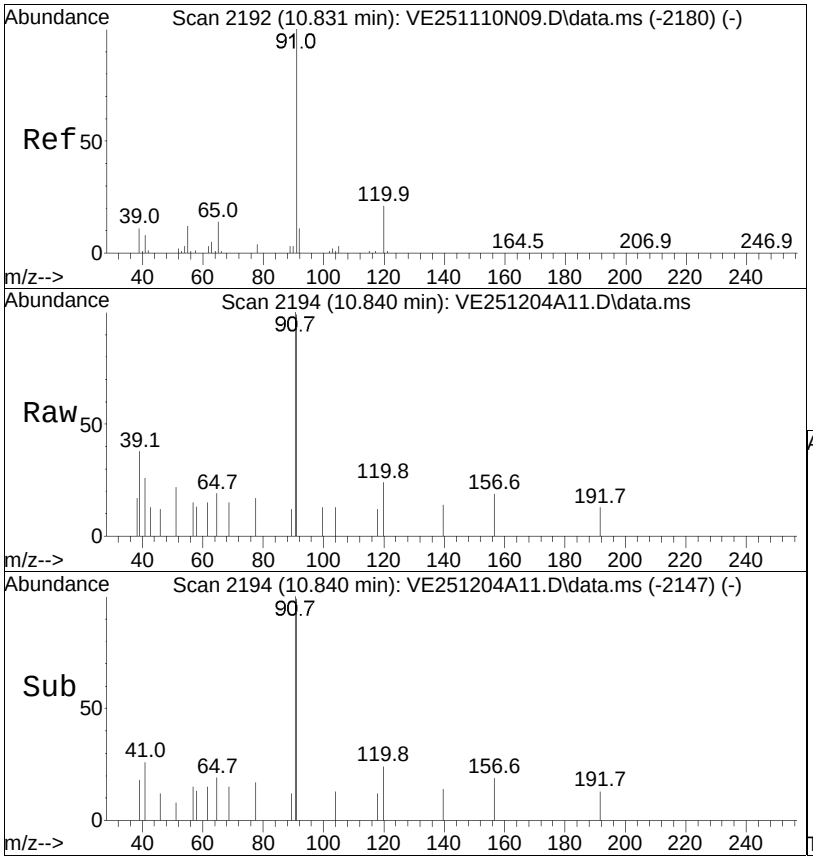


#87
Isopropylbenzene
Concen: 0.12 ug/L
RT: 10.333 min Scan# 2079
Delta R.T. 0.004 min
Lab File: VE251204A11.D
Acq: 4 Dec 2025 11:28 am

Tgt Ion:105 Resp: 3275

Ion	Ratio	Lower	Upper
105	100		
120	25.6	5.0	45.0

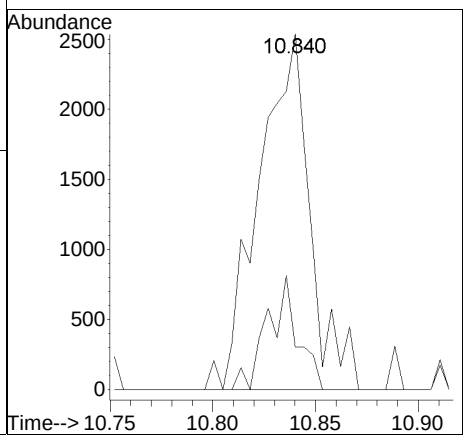


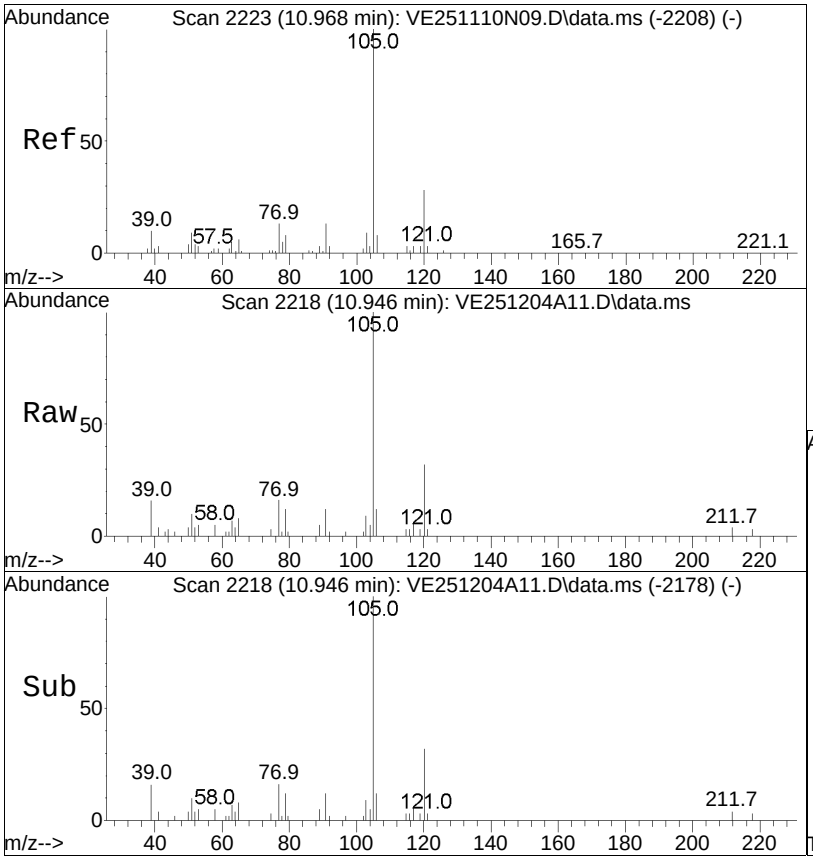


#90
n-Propylbenzene
Concen: 0.13 ug/L
RT: 10.840 min Scan# 2194
Delta R.T. 0.009 min
Lab File: VE251204A11.D
Acq: 4 Dec 2025 11:28 am

Tgt Ion: 91 Resp: 4419

Ion	Ratio	Lower	Upper
91	100		
120	18.7	16.7	25.1

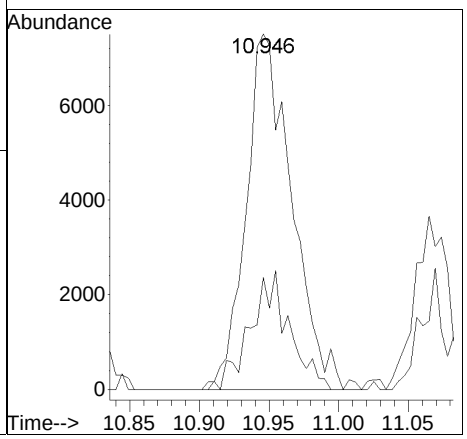


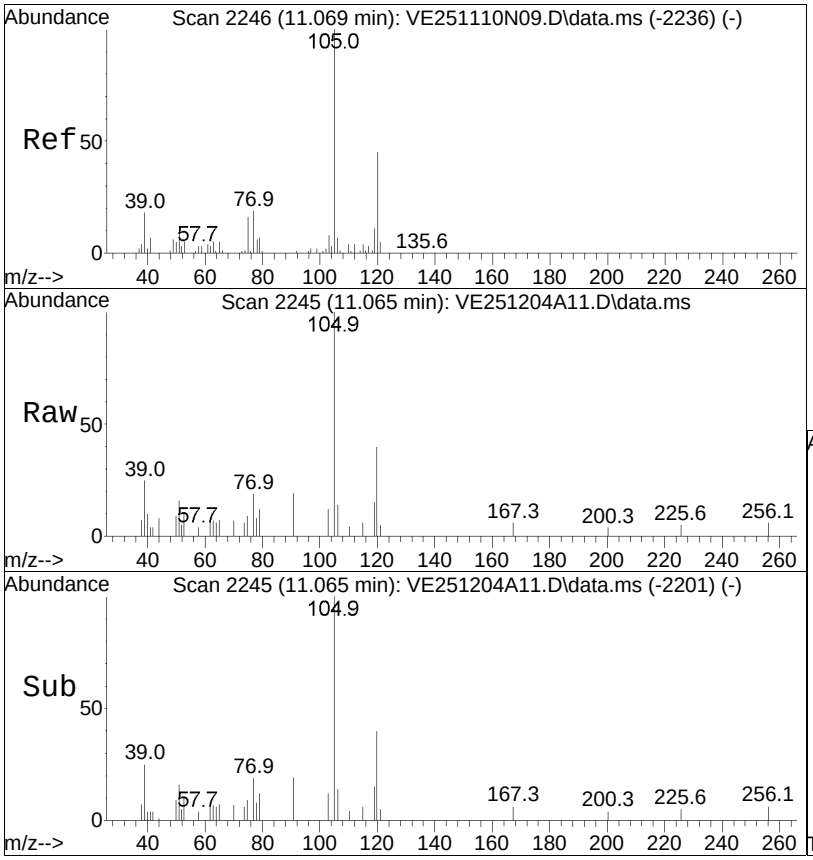


#93
4-Ethyltoluene
Concen: 0.66 ug/L
RT: 10.946 min Scan# 2218
Delta R.T. -0.022 min
Lab File: VE251204A11.D
Acq: 4 Dec 2025 11:28 am

Tgt Ion:105 Resp: 17228

Ion	Ratio	Lower	Upper
105	100		
120	28.1	18.7	38.7

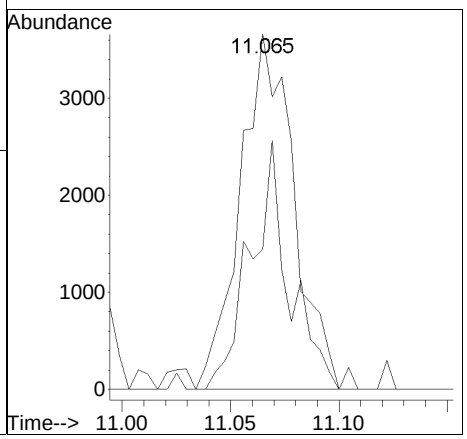


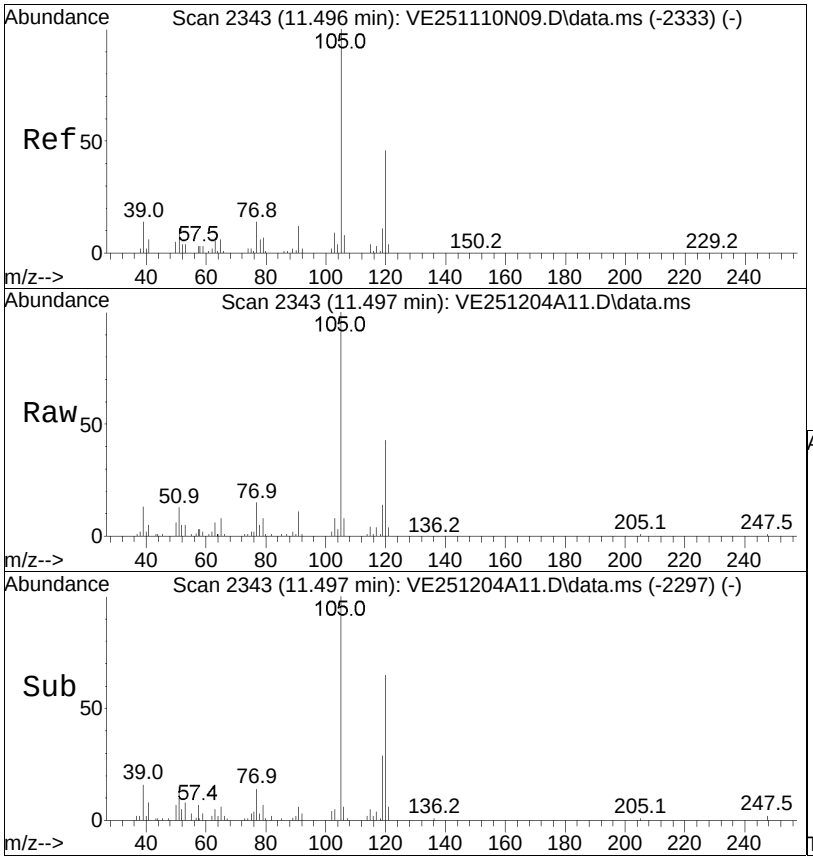


#95
1,3,5-Trimethylbenzene
Concen: 0.27 ug/L
RT: 11.065 min Scan# 2245
Delta R.T. -0.004 min
Lab File: VE251204A11.D
Acq: 4 Dec 2025 11:28 am

Tgt Ion:105 Resp: 6350

Ion	Ratio	Lower	Upper
105	100		
120	49.9	37.2	55.8

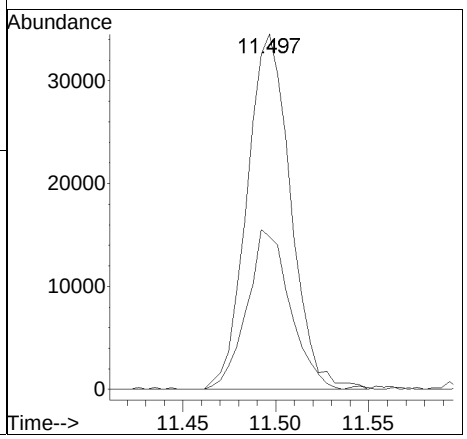


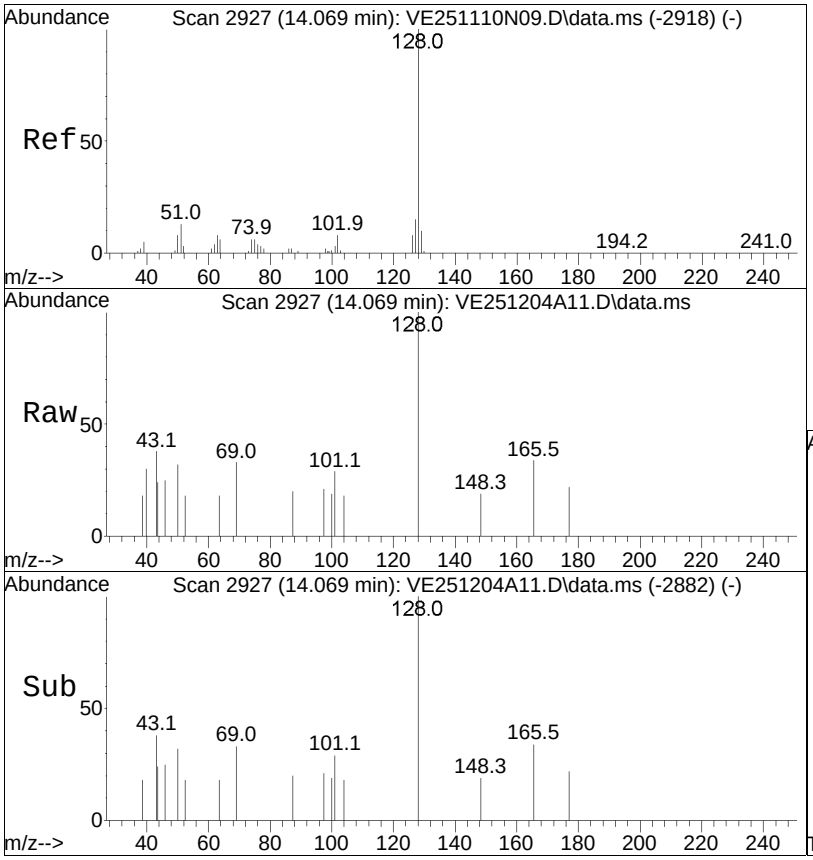


#102
1,2,4-Trimethylbenzene
Concen: 2.44 ug/L
RT: 11.497 min Scan# 2343
Delta R.T. 0.001 min
Lab File: VE251204A11.D
Acq: 4 Dec 2025 11:28 am

Tgt Ion:105 Resp: 56570

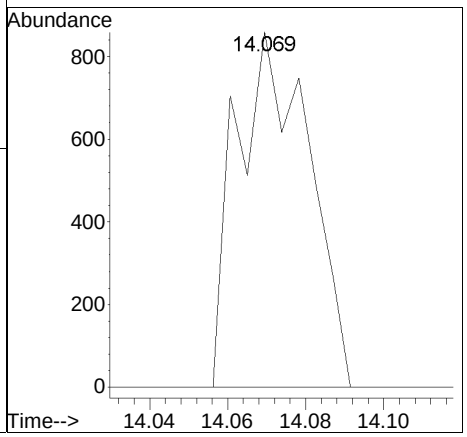
Ion	Ratio	Lower	Upper
105	100		
120	44.3	35.9	53.9





#115
Naphthalene
Concen: 0.07 ug/L
RT: 14.069 min Scan# 2927
Delta R.T. 0.000 min
Lab File: VE251204A11.D
Acq: 4 Dec 2025 11:28 am

Tgt Ion:128 Resp: 1109

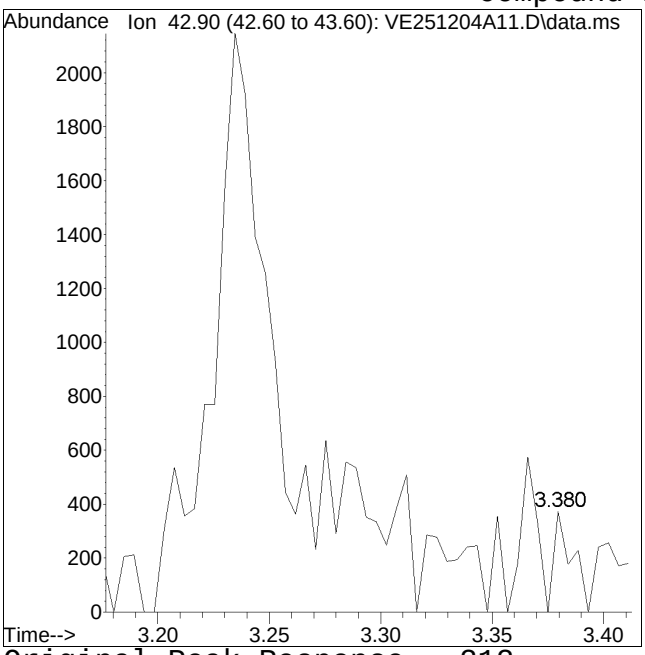


Manual Integration Report

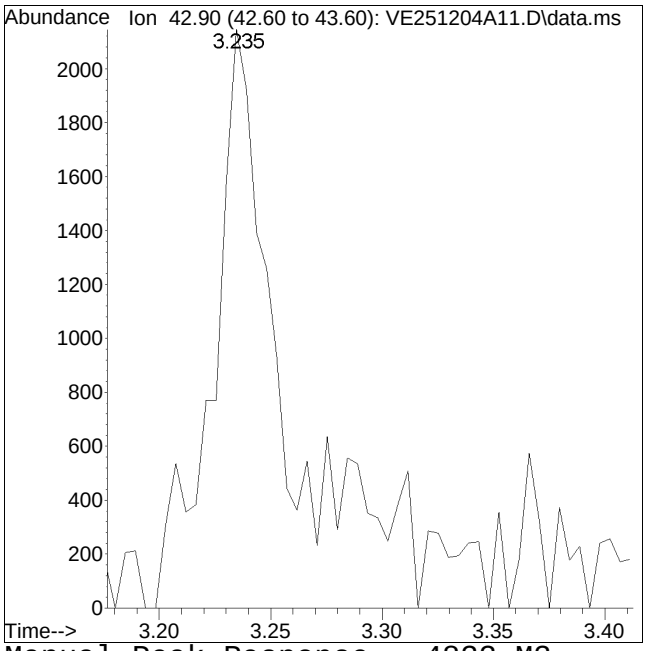
Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A11.D
Date Inj'd : 12/4/2025 11:28 am
Sample : L2575144-02,31,10,10,,A

QMethod : Elaine_251111N_8260.m
Operator : ELAINE:MJV
Instrument : Elaine
Quant Date : 12/4/2025 12:24 pm

Compound #17: Acetone



Original Peak Response = 212



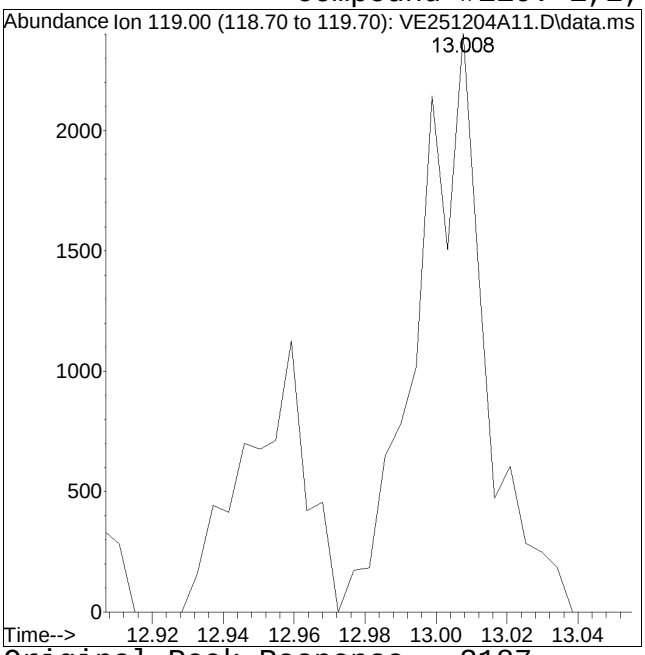
Manual Peak Response = 4833 M3

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

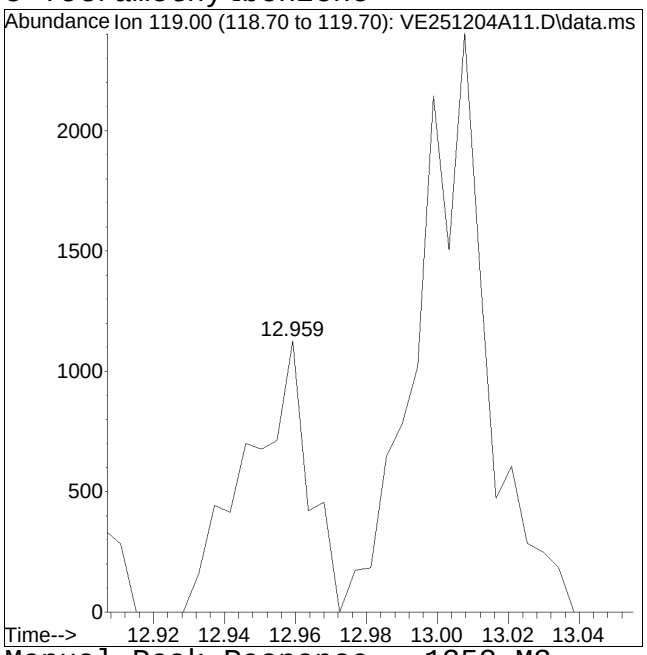
Manual Integration Report

Data Path : K:\Elaine\2025\251204A\ QMethod : Elaine_251111N_8260.m
Data File : VE251204A11.D Operator : ELAINE:MJV
Date Inj'd : 12/4/2025 11:28 am Instrument : Elaine
Sample : L2575144-02,31,10,10,,A Quant Date : 12/4/2025 12:24 pm

Compound #110: 1,2,4,5-Tetramethylbenzene



Original Peak Response = 3187



Manual Peak Response = 1352 M3

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

LSC Area Percent Report

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A11.D
Acq On : 4 Dec 2025 11:28 am
Operator : ELAINE:MJV
Sample : L2575144-02,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 1 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VE251204A11.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.025	198	208	212	rBV5	24915	61739	8.75%	1.459%
2	4.843	816	830	849	rBV	79573	191962	27.21%	4.536%
3	5.353	930	944	963	rBV2	86916	209447	29.69%	4.949%
4	5.629	996	1007	1039	rBV2	187263	461951	65.49%	10.916%
5	7.301	1376	1388	1416	rBV2	278482	705411	100.00%	16.669%
6	9.127	1792	1804	1815	rBV	280580	626171	88.77%	14.797%
7	9.377	1851	1861	1873	rBV3	40498	83636	11.86%	1.976%
8	9.925	1974	1986	1996	rBV2	41335	90272	12.80%	2.133%
9	10.664	2142	2154	2172	rBV2	240870	484884	68.74%	11.458%
10	10.946	2209	2218	2231	rBV5	23301	60719	8.61%	1.435%
11	11.065	2232	2245	2254	rVB4	14066	27263	3.86%	0.644%
12	11.303	2287	2299	2308	rBV2	61290	116359	16.50%	2.750%
13	11.497	2335	2343	2358	rVB	112660	194007	27.50%	4.584%
14	11.911	2427	2437	2443	rBV	406793	685170	97.13%	16.191%
15	11.955	2443	2447	2459	rVB2	121063	194227	27.53%	4.590%
16	12.091	2472	2478	2489	rVB6	21226	38631	5.48%	0.913%

Sum of corrected areas: 4231849

Signal : TIC: VE251204A11.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

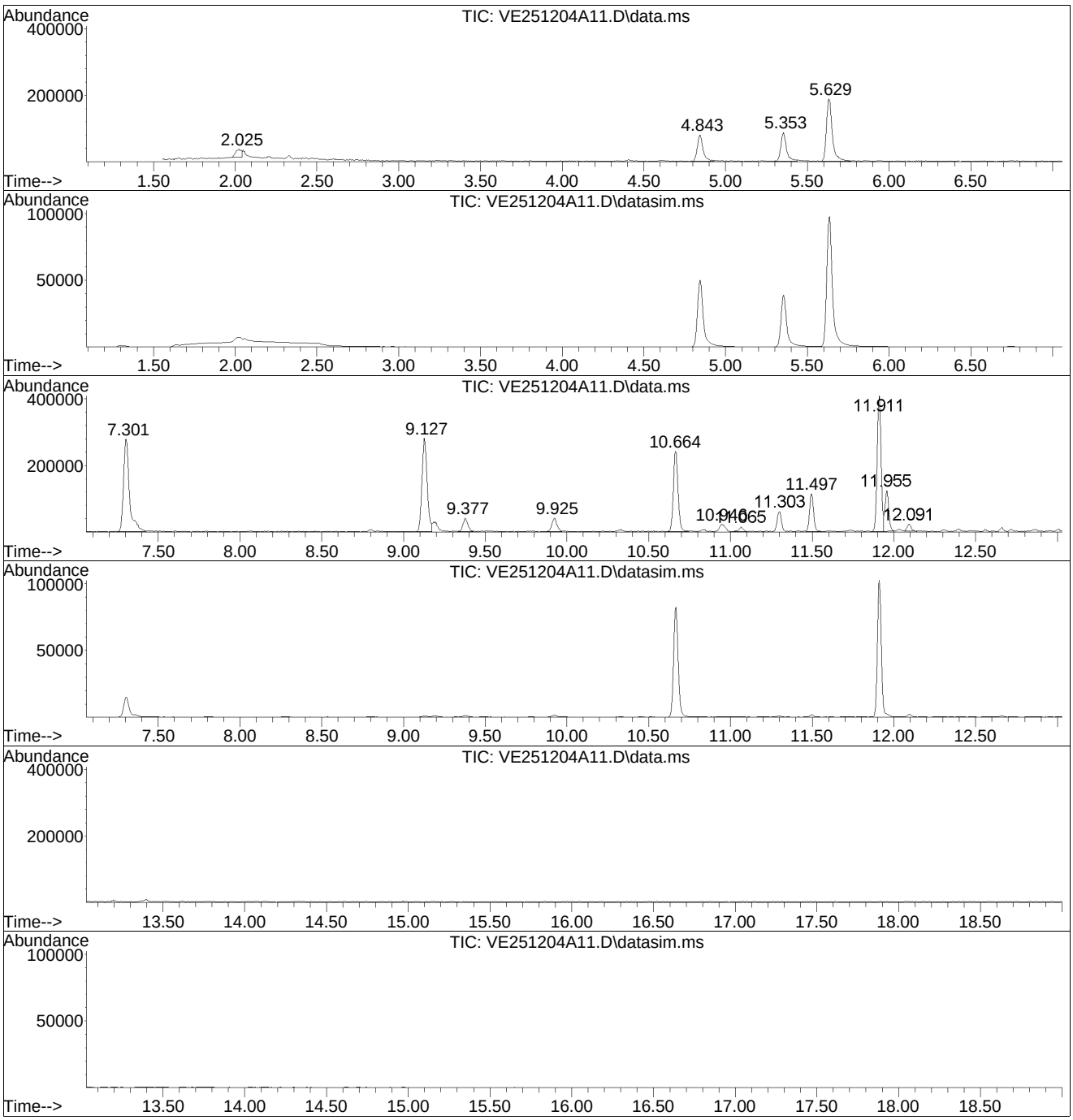
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A11.D
Acq On : 4 Dec 2025 11:28 am
Operator : ELAINE:MJV
Sample : L2575144-02,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A11.D
Acq On : 4 Dec 2025 11:28 am
Operator : ELAINE:MJV
Sample : L2575144-02,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

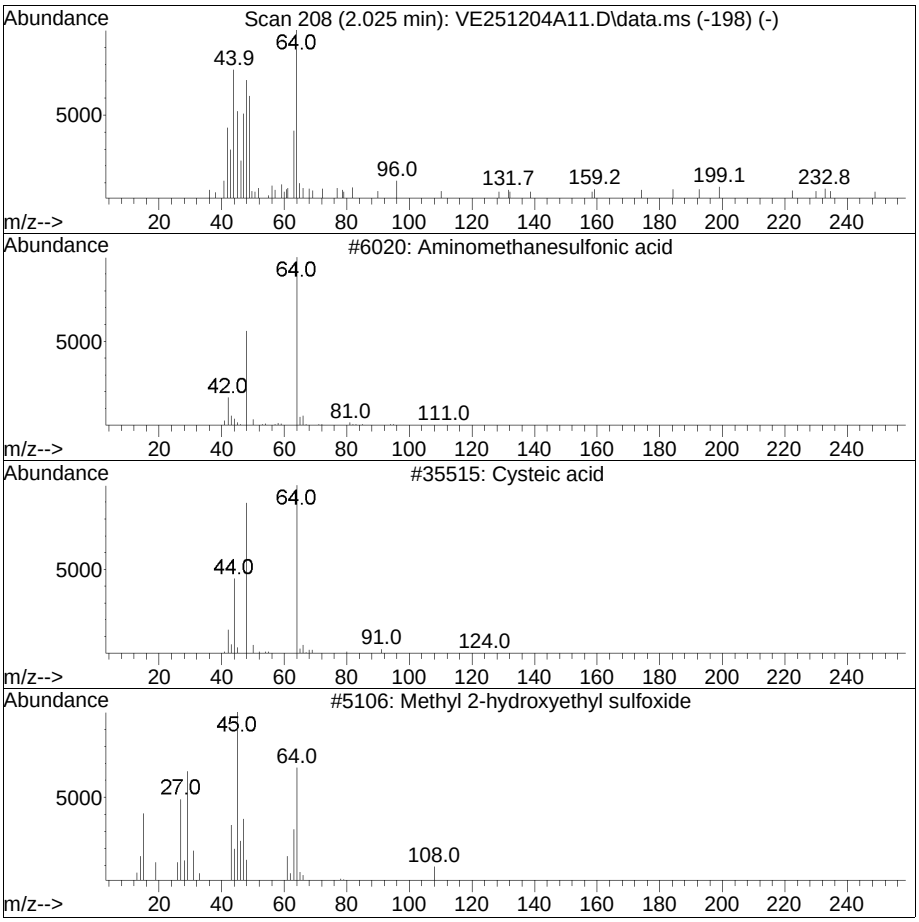
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

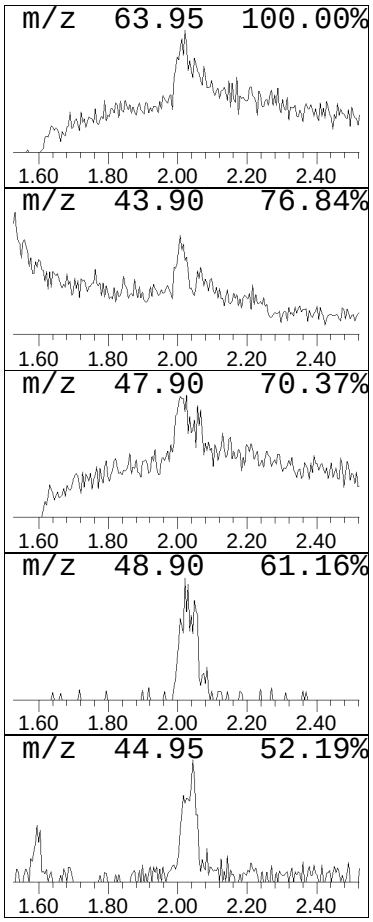
****

Peak Number 1 Unknown Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.025	1.34 ug/L	61739	Fluorobenzene	5.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	35
2	Cysteic acid	169	C3H7NO5S	1000131-23-1	32
3	Methyl 2-hydroxyethyl sulfoxide	108	C3H8O2S	021281-74-3	28
4	Thiosulfuric acid (H2S2o3), S-[2...	321	C8H20NO6PS2	062209-41-0	25
5	S-2-[2-Succinimidoethylamino]eth...	282	C8H14N2O5S2	031701-74-3	25





Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A11.D
Acq On : 4 Dec 2025 11:28 am
Operator : ELAINE:MJV
Sample : L2575144-02,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

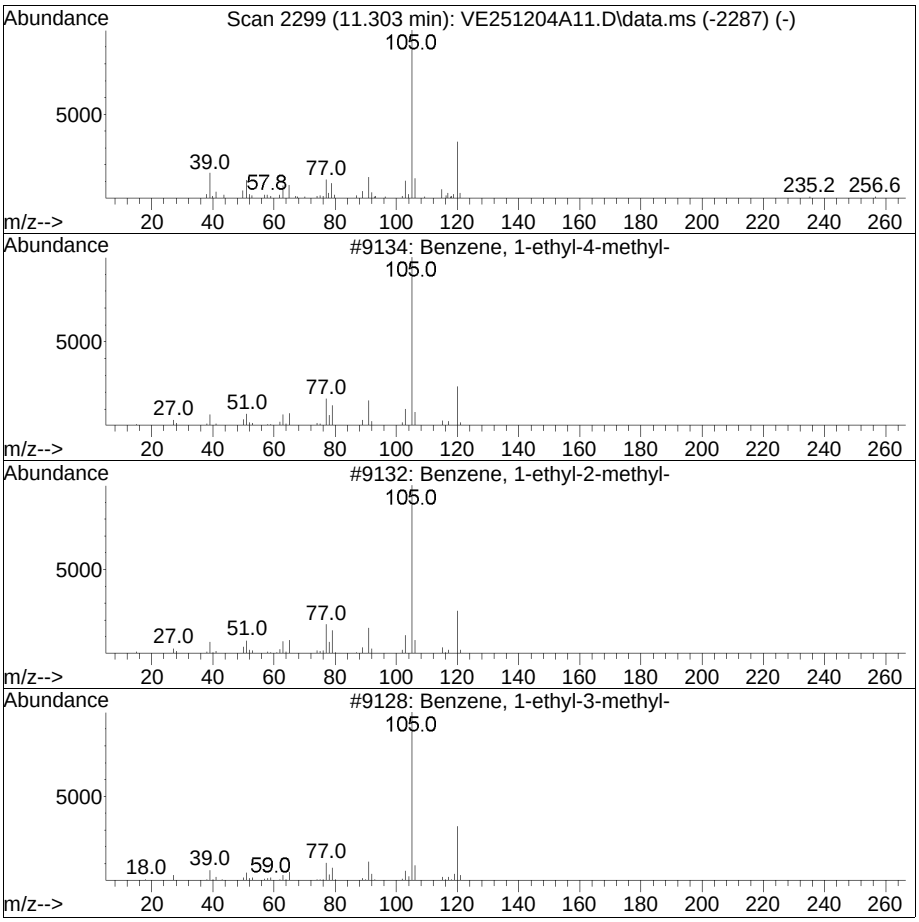
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

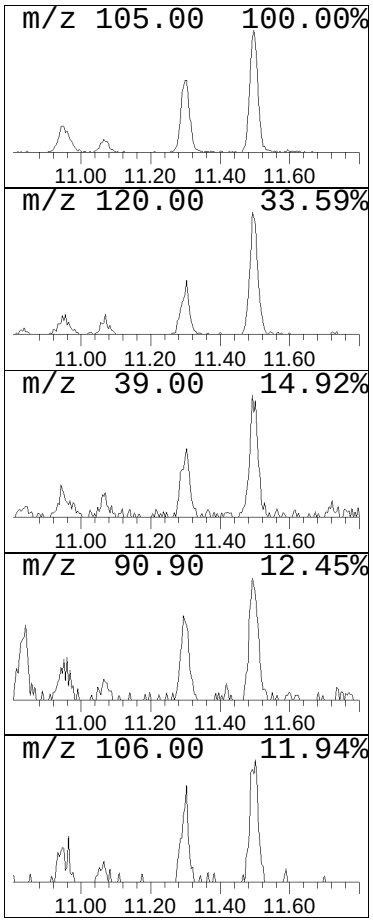
****

Peak Number 2 Unknown Benzene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.303	1.70 ug/L	116359	1,4-Dichlorobenzene-d4	11.911

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	83
5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	81





Tentatively Identified Compound (LSC) summary

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A11.D
Acq On : 4 Dec 2025 11:28 am
Operator : ELAINE:MJV
Sample : L2575144-02,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown	2.025	1.3	ug/L	61739	1	5.629	461951	10.0
Unknown Benzene	11.303	1.7	ug/L	116359	3	11.911	685170	10.0

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A12.D
Acq On : 4 Dec 2025 11:53 am
Operator : ELAINE:MJV
Sample : L2575144-03,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 04 12:35:57 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.634	96	187462	10.000 ug/L	0.00
Standard Area 1 = 228604			Recovery = 82.00%		
63) Chlorobenzene-d5	9.127	117	159386	10.000 ug/L	0.00
Standard Area 1 = 181694			Recovery = 87.72%		
84) 1,4-Dichlorobenzene-d4	11.911	152	84327	10.000 ug/L	0.00
Standard Area 1 = 98206			Recovery = 85.87%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.838	113	57630	11.154 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.54%		
47) 1,2-Dichloroethane-d4	5.353	65	75106	10.669 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.69%		
64) Toluene-d8	7.301	98	206090	9.662 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.62%		
88) 4-Bromofluorobenzene	10.664	95	81241	10.106 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.06%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.454	85	129	N.D.	
3) Chloromethane	1.722	50	406	N.D.	
4) Vinyl chloride	1.717	62	421	N.D.	
5) Bromomethane	1.994	94	164	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	2.302	101	53	N.D.	
8) Ethyl ether	2.601	74	53	N.D.	
10) 1,1-Dichloroethene	2.691	96	108	N.D.	
11) Carbon disulfide	2.700	76	2594	0.183 ug/L #	88
15) Methylene chloride	3.244	84	47	N.D.	
17) Acetone	3.239	43	6776	4.120 ug/L	93
18) trans-1,2-Dichloroethene	3.353	96	1335	0.335 ug/L	78
21) Methyl tert-butyl ether	3.439	73	69	N.D.	
25) 1,1-Dichloroethane	3.923	63	41	N.D.	
27) Acrylonitrile	3.982	53	64	N.D.	
29) Vinyl acetate	4.154	43	49	N.D.	
30) cis-1,2-Dichloroethene	4.403	96	7433	1.552 ug/L	85
31) 2,2-Dichloropropane	0.000		0	N.D. d	
33) Bromochloromethane	4.589	128	42	N.D.	
35) Chloroform	4.662	83	231	Below Cal #	49

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A12.D
Acq On : 4 Dec 2025 11:53 am
Operator : ELAINE:MJV
Sample : L2575144-03,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 04 12:35:57 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) Carbon tetrachloride	4.775	117	44	N.D.			
40) 1,1,1-Trichloroethane	4.739	97	51	N.D.			
42) 2-Butanone	4.947	43	7139	3.461	ug/L	#	65
43) 1,1-Dichloropropene	4.807	75	59	N.D.			
45) Benzene	5.221	78	133	N.D.			
48) 1,2-Dichloroethane	5.493	62	64	N.D.			
52) Trichloroethene	5.809	95	7850	1.873	ug/L	#	76
54) Dibromomethane	0.000		0	N.D.	d		
55) 1,2-Dichloropropane	6.178	63	59	N.D.			
58) Bromodichloromethane	6.415	83	49	N.D.			
61) 1,4-Dioxane	0.000		0	N.D.	d		
62) cis-1,3-Dichloropropene	7.095	75	88	N.D.			
65) Toluene	7.367	92	1060	0.090	ug/L	#	1
66) 4-Methyl-2-pentanone	7.832	58	51	N.D.			
67) Tetrachloroethene	0.000		0	N.D.	d		
69) trans-1,3-Dichloropropene	0.000		0	N.D.	d		
72) 1,1,2-Trichloroethane	7.951	83	47	N.D.			
73) Chlorodibromomethane	8.289	129	84	N.D.			
74) 1,3-Dichloropropane	8.420	76	49	N.D.			
75) 1,2-Dibromoethane	8.591	107	40	N.D.			
77) 2-Hexanone	8.798	43	97	N.D.			
78) Chlorobenzene	9.153	112	57	N.D.			
79) Ethylbenzene	9.192	91	162	N.D.			
80) 1,1,1,2-Tetrachloroethane	9.394	131	46	N.D.			
81) p/m Xylene	9.372	106	256	N.D.			
82) o Xylene	9.969	106	39	N.D.			
83) Styrene	0.000		0	N.D.			
85) Bromoform	0.000		0	N.D.	d		
87) Isopropylbenzene	10.325	105	53	N.D.			
89) Bromobenzene	10.598	156	56	N.D.			
90) n-Propylbenzene	10.681	91	176	N.D.			
92) 1,1,2,2-Tetrachloroethane	10.906	83	40	N.D.			
93) 4-Ethyltoluene	10.959	105	249	N.D.			
94) 2-Chlorotoluene	11.016	91	70	N.D.			
95) 1,3,5-Trimethylbenzene	11.065	105	141	N.D.			
96) 1,2,3-Trichloropropane	11.056	75	66	N.D.			
97) trans-1,4-Dichloro-2-b...	11.122	53	67	N.D.			
98) 4-Chlorotoluene	11.223	91	45	N.D.			
99) tert-Butylbenzene	11.351	119	40	N.D.			

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A12.D
Acq On : 4 Dec 2025 11:53 am
Operator : ELAINE:MJV
Sample : L2575144-03,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 04 12:35:57 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.492	105	281	N.D.		
103) sec-Butylbenzene	11.576	105	52	N.D.		
104) p-Isopropyltoluene	11.765	119	77	N.D.		
105) 1,3-Dichlorobenzene	11.827	146	51	N.D.		
106) 1,4-Dichlorobenzene	11.924	146	43	N.D.		
107) p-Diethylbenzene	12.153	119	51	N.D.		
108) n-Butylbenzene	12.210	91	71	N.D.		
109) 1,2-Dichlorobenzene	12.356	146	44	N.D.		
110) 1,2,4,5-Tetramethylben...	12.959	119	75	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	d	
113) Hexachlorobutadiene	0.000		0	N.D.	d	
114) 1,2,4-Trichlorobenzene	13.787	180	109	N.D.		
115) Naphthalene	14.078	128	265	N.D.		
116) 1,2,3-Trichlorobenzene	14.250	180	44	N.D.		

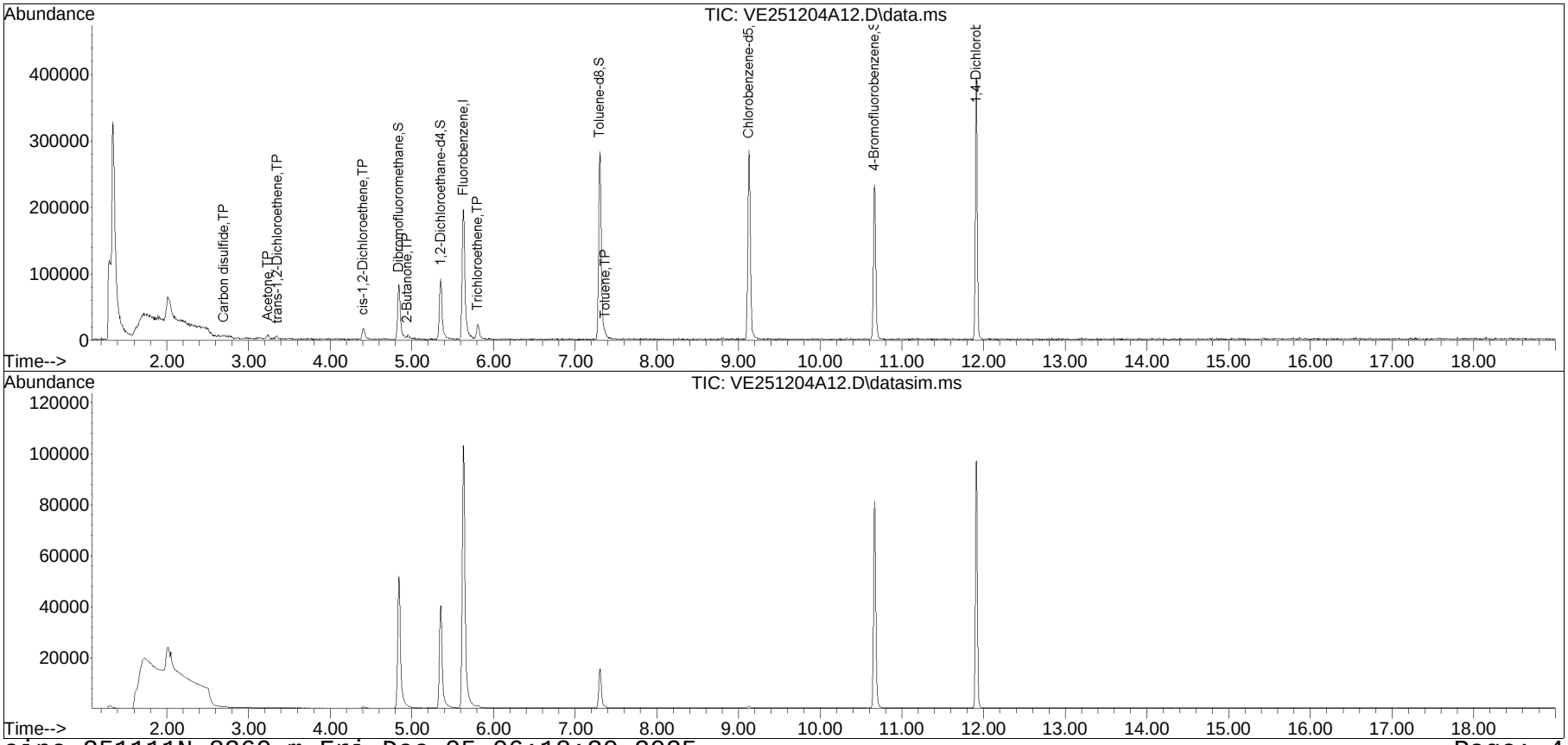
(#) = qualifier out of range (m) = manual integration (+) = signals summed

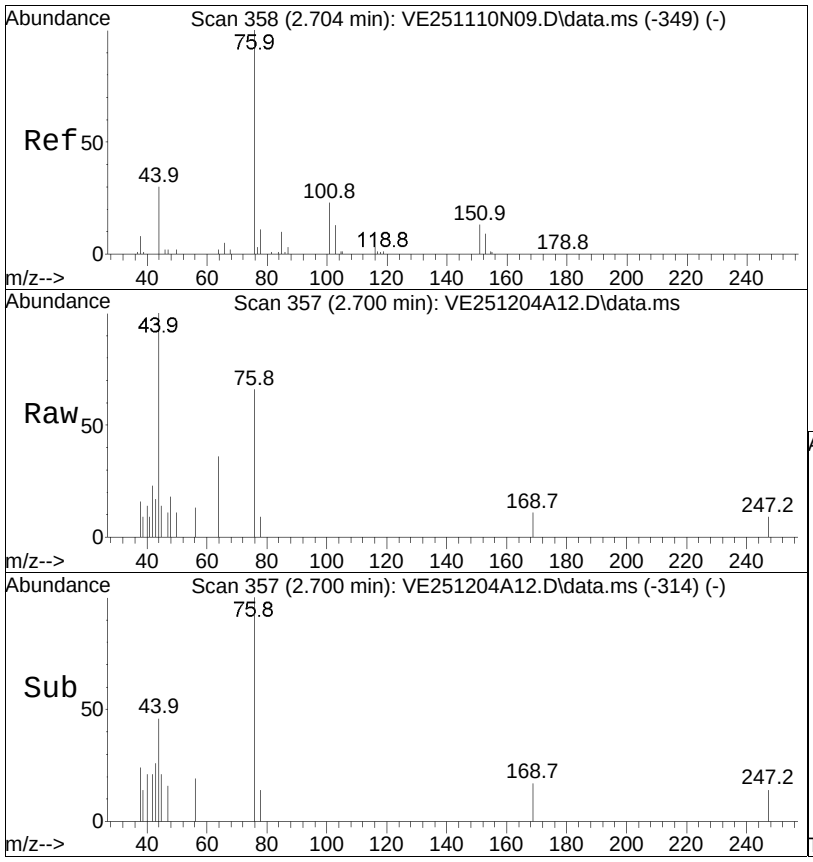
Quantitation Report (QT/LSC Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A12.D
Acq On : 4 Dec 2025 11:53 am
Operator : ELAINE:MJV
Sample : L2575144-03,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 04 12:35:57 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox51204A01.D•

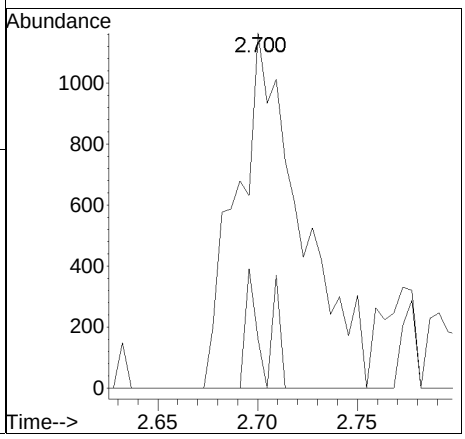


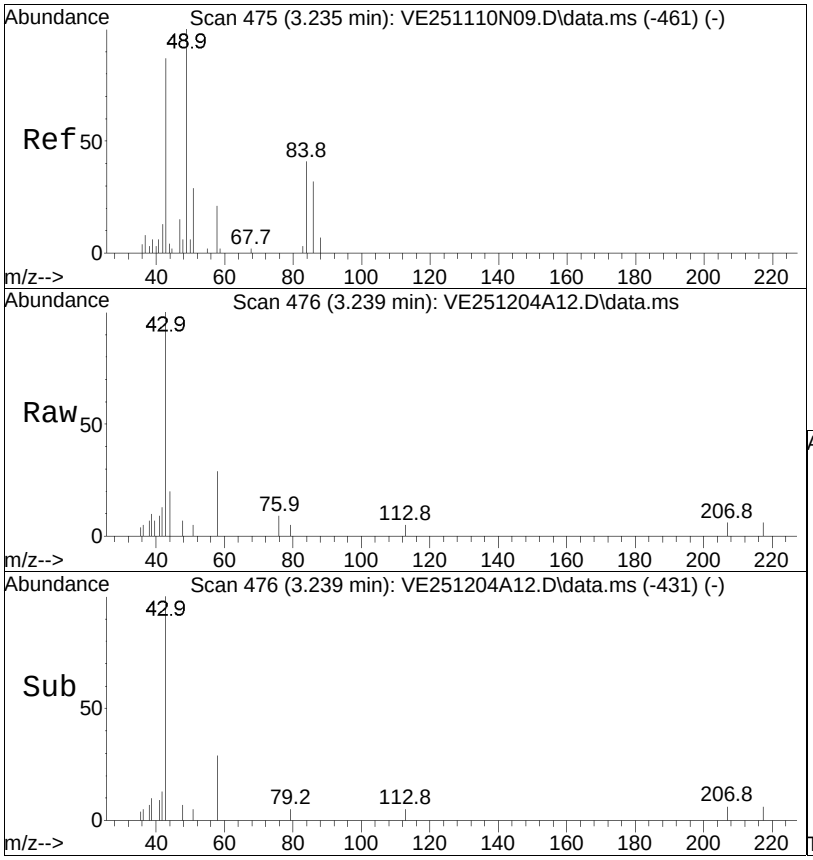


#11
Carbon disulfide
Concen: 0.18 ug/L
RT: 2.700 min Scan# 357
Delta R.T. -0.004 min
Lab File: VE251204A12.D
Acq: 4 Dec 2025 11:53 am

Tgt Ion: 76 Resp: 2594

Ion	Ratio	Lower	Upper
76	100		
78	5.8	6.6	13.8#

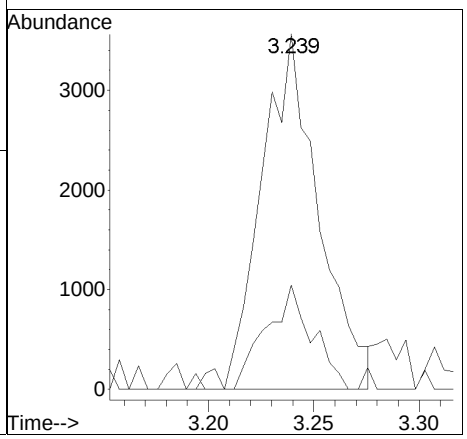


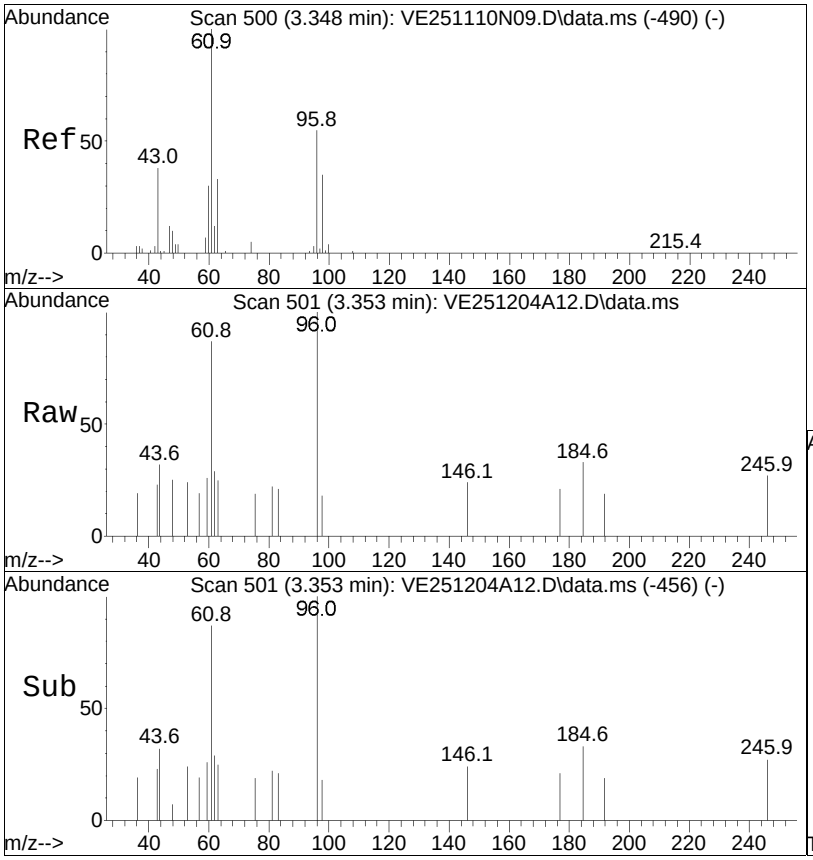


#17
Acetone
Concen: 4.12 ug/L
RT: 3.239 min Scan# 476
Delta R.T. 0.004 min
Lab File: VE251204A12.D
Acq: 4 Dec 2025 11:53 am

Tgt Ion: 43 Resp: 6776

Ion	Ratio	Lower	Upper
43	100		
58	23.6	16.2	24.4

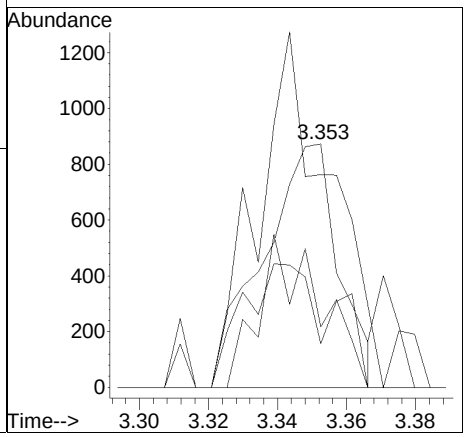


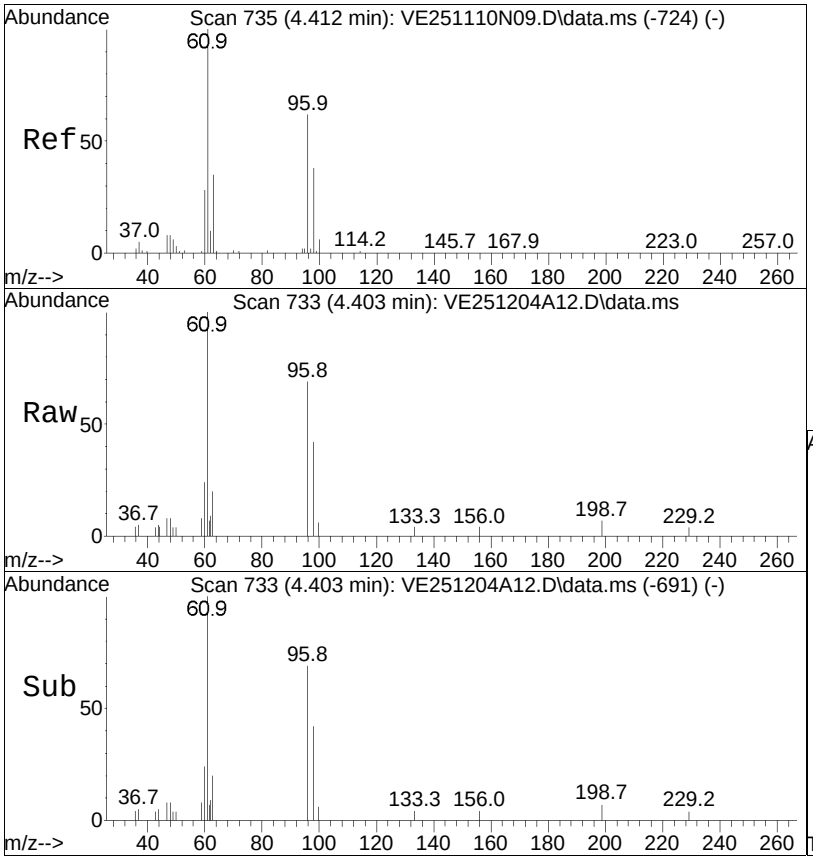


#18
trans-1,2-Dichloroethene
Concen: 0.33 ug/L
RT: 3.353 min Scan# 501
Delta R.T. 0.005 min
Lab File: VE251204A12.D
Acq: 4 Dec 2025 11:53 am

Tgt Ion: 96 Resp: 1335

Ion	Ratio	Lower	Upper
96	100		
61	138.9	118.2	245.6
98	58.8	41.9	86.9
63	50.3	39.4	81.8

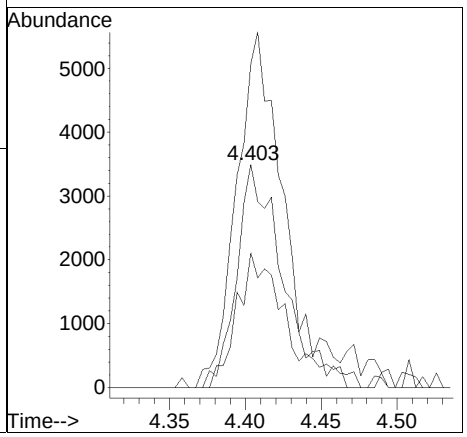


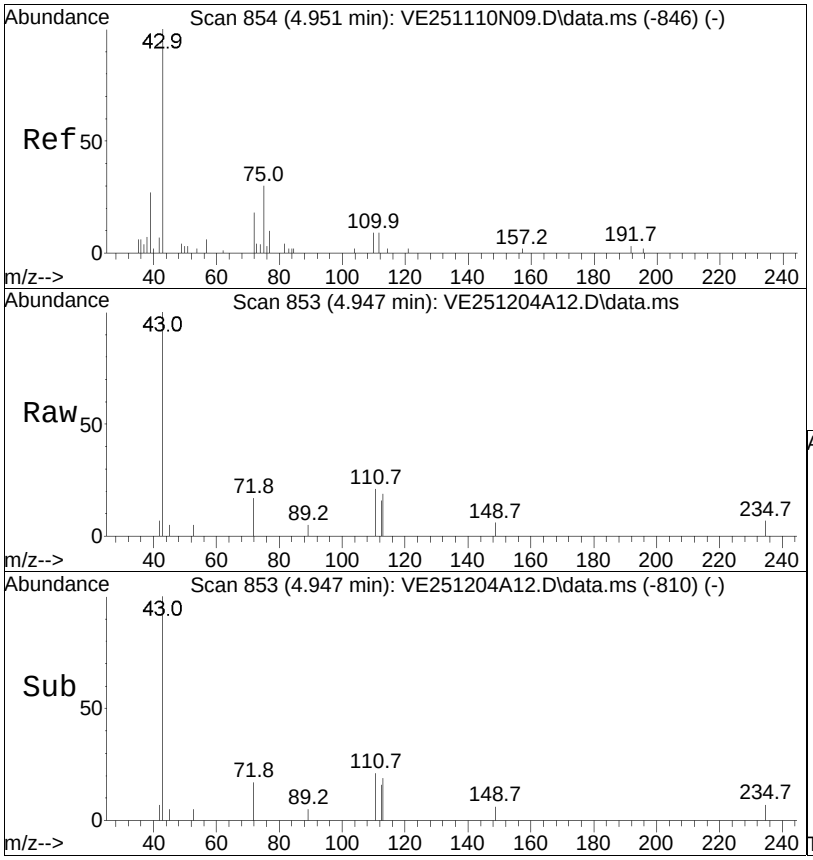


#30
cis-1,2-Dichloroethene
Concen: 1.55 ug/L
RT: 4.403 min Scan# 733
Delta R.T. -0.009 min
Lab File: VE251204A12.D
Acq: 4 Dec 2025 11:53 am

Tgt Ion: 96 Resp: 7433

Ion	Ratio	Lower	Upper
96	100		
61	162.9	153.3	229.9
98	63.6	52.8	79.2

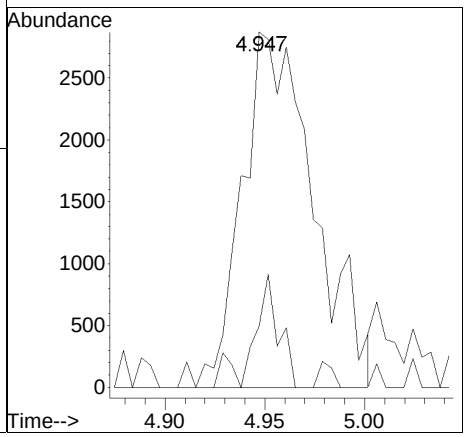


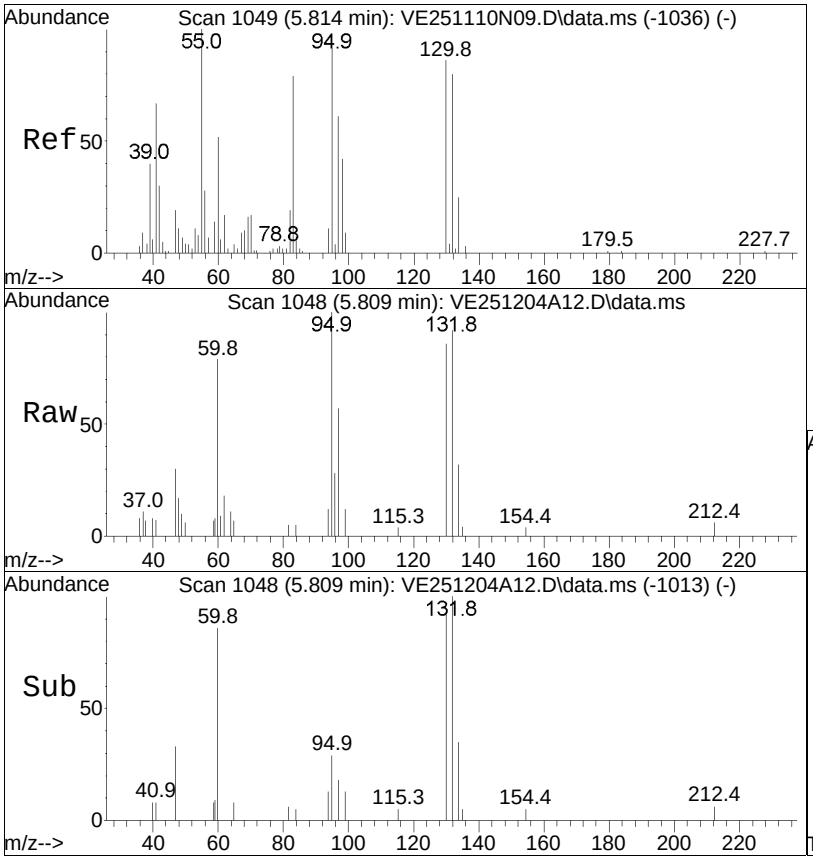


#42
2-Butanone
Concen: 3.46 ug/L
RT: 4.947 min Scan# 853
Delta R.T. -0.004 min
Lab File: VE251204A12.D
Acq: 4 Dec 2025 11:53 am

Tgt Ion: 43 Resp: 7139

Ion	Ratio	Lower	Upper
43	100		
72	9.7	22.8	34.2#

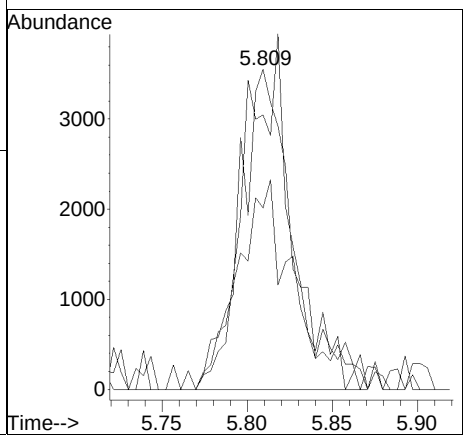


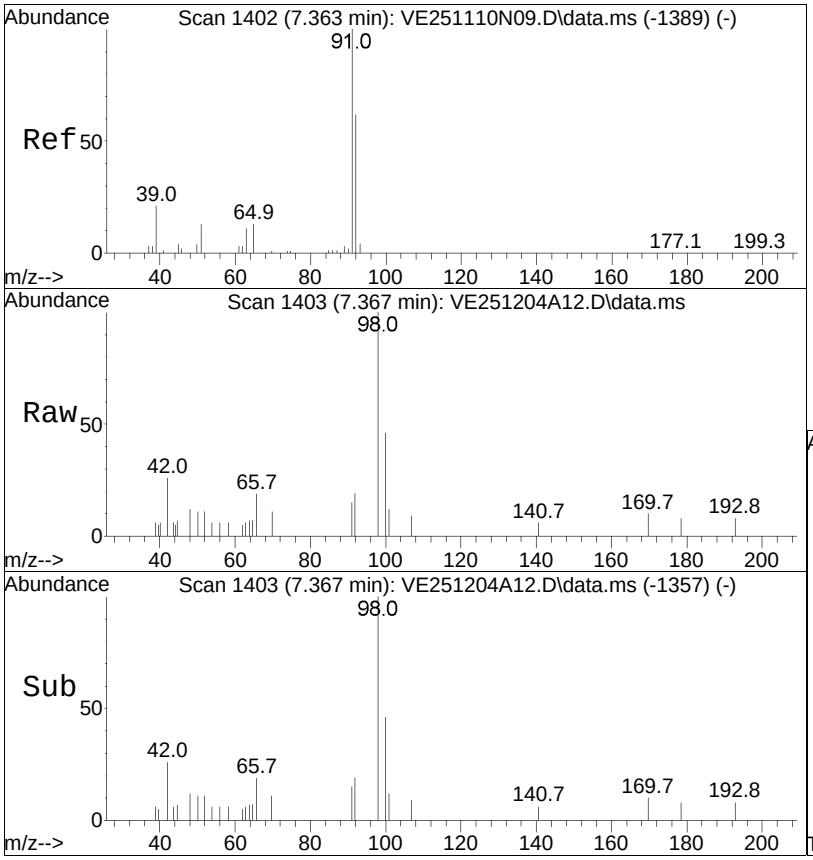


#52
Trichloroethene
Concen: 1.87 ug/L
RT: 5.809 min Scan# 1048
Delta R.T. -0.005 min
Lab File: VE251204A12.D
Acq: 4 Dec 2025 11:53 am

Tgt Ion: 95 Resp: 7850

Ion	Ratio	Lower	Upper
95	100		
97	63.9	54.4	81.6
130	56.2	73.7	110.5#

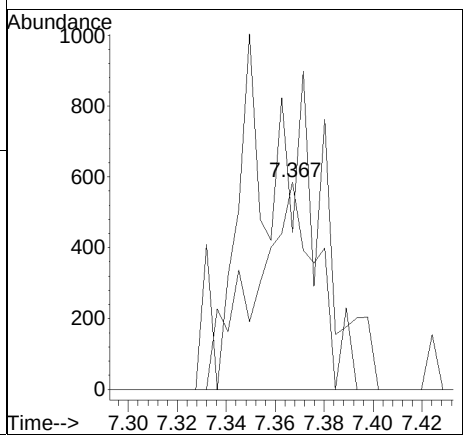




#65
Toluene
Concen: 0.09 ug/L
RT: 7.367 min Scan# 1403
Delta R.T. 0.004 min
Lab File: VE251204A12.D
Acq: 4 Dec 2025 11:53 am

Tgt Ion: 92 Resp: 1060

Ion	Ratio	Lower	Upper
92	100		
91	12.2	136.4	204.6#



Manual Integration Report

Data Path	: K:\Elaine\2025\251204A\	QMethod	: Elaine_251111N_8260.m
Data File	: VE251204A12.D	Operator	: ELAINE:MJV
Date Inj'd	: 12/4/2025 11:53 am	Instrument	: Elaine
Sample	: L2575144-03,31,10,10,,A	Quant Date	: 12/4/2025 12:24 pm

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

LSC Area Percent Report

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A12.D
Acq On : 4 Dec 2025 11:53 am
Operator : ELAINE:MJV
Sample : L2575144-03,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 1 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VE251204A12.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.622	109	119	120	rBV5	13255	20712	3.15%	0.581%
2	1.704	126	137	139	rBV2	17473	39306	5.99%	1.102%
3	2.012	198	205	222	rVB4	32341	103841	15.81%	2.912%
4	4.408	727	734	752	rBV3	16026	40467	6.16%	1.135%
5	4.843	819	830	849	rBV	82986	200813	30.58%	5.632%
6	5.353	932	944	962	rBV3	91841	222742	33.92%	6.247%
7	5.634	996	1008	1027	rBV	196453	484261	73.75%	13.581%
8	5.809	1037	1048	1063	rVB5	22664	55343	8.43%	1.552%
9	7.301	1376	1388	1412	rBV	282673	656634	100.00%	18.415%
10	9.131	1790	1805	1829	rBV	285700	637351	97.06%	17.874%
11	10.664	2141	2154	2170	rBV2	233501	461750	70.32%	12.949%
12	11.911	2425	2437	2457	rBV	394988	642561	97.86%	18.020%

Sum of corrected areas: 3565781

Signal : TIC: VE251204A12.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

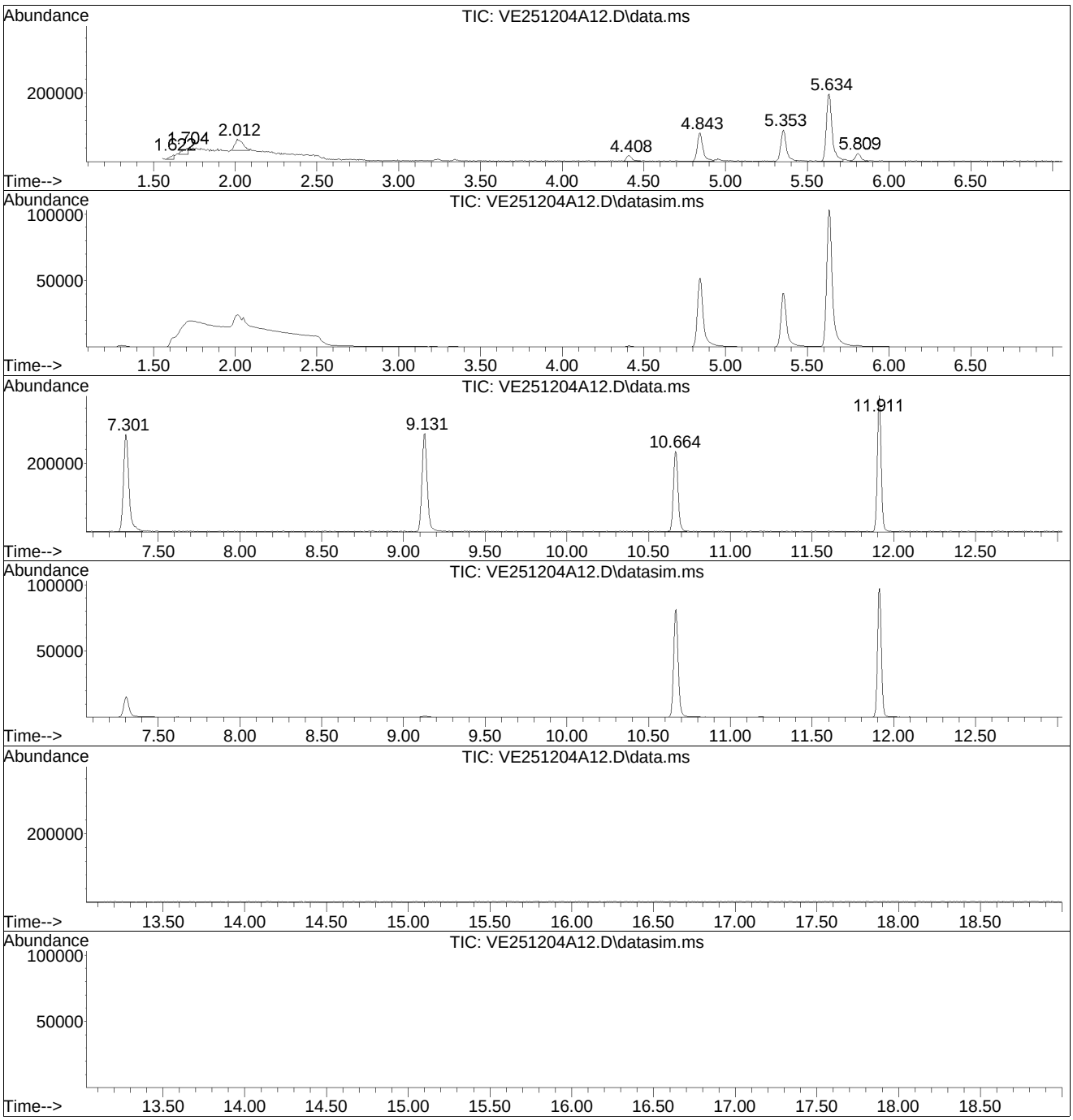
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A12.D
Acq On : 4 Dec 2025 11:53 am
Operator : ELAINE:MJV
Sample : L2575144-03,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A12.D
Acq On : 4 Dec 2025 11:53 am
Operator : ELAINE:MJV
Sample : L2575144-03,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

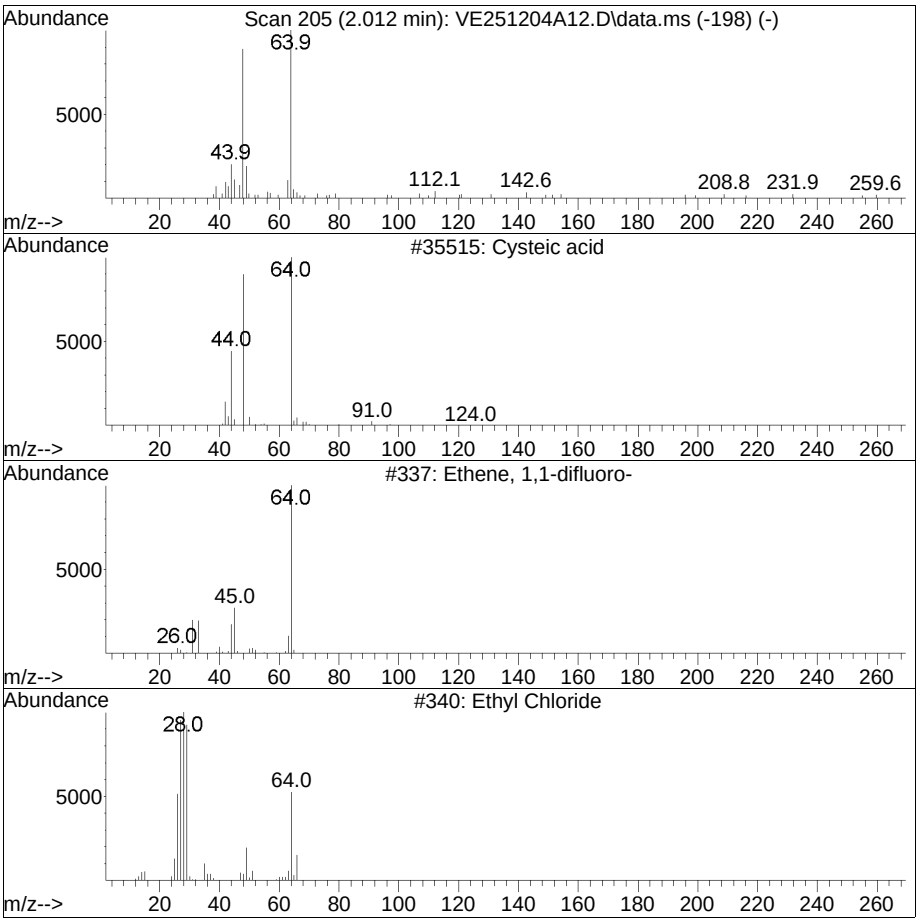
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

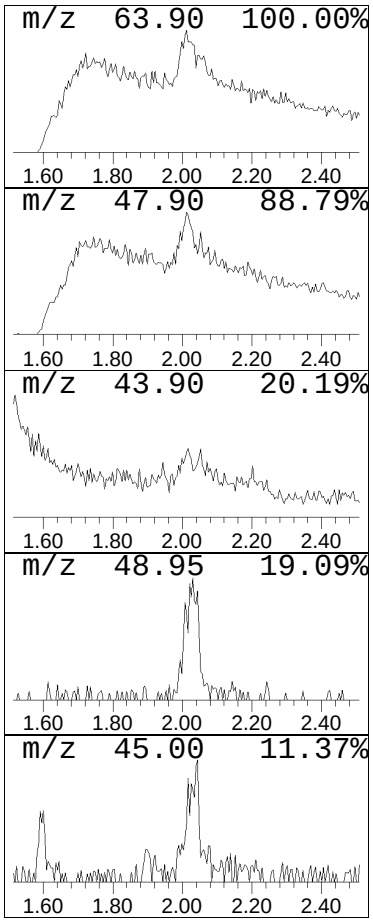
****

Peak Number 1 Unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.012	2.14 ug/L	103841	Fluorobenzene	5.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cysteic acid	169	C3H7NO5S	1000131-23-1	45
2	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	33
3	Ethyl Chloride	64	C2H5Cl	000075-00-3	9
4	Sulfur dioxide	64	O2S	007446-09-5	9
5	Ethene, 1,2-difluoro-	64	C2H2F2	001691-13-0	9





Tentatively Identified Compound (LSC) summary

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A12.D
Acq On : 4 Dec 2025 11:53 am
Operator : ELAINE:MJV
Sample : L2575144-03,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown	2.012	2.1	ug/L	103841	1	5.634	484261	10.0

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A14.D
Acq On : 4 Dec 2025 12:42 pm
Operator : ELAINE:MJV
Sample : L2575144-04,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 05 06:27:06 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.634	96	183493	10.000 ug/L	0.00
Standard Area 1 = 228604			Recovery = 80.27%		
63) Chlorobenzene-d5	9.131	117	154042	10.000 ug/L	0.00
Standard Area 1 = 181694			Recovery = 84.78%		
84) 1,4-Dichlorobenzene-d4	11.911	152	83643	10.000 ug/L	0.00
Standard Area 1 = 98206			Recovery = 85.17%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.838	113	55321	10.939 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.39%		
47) 1,2-Dichloroethane-d4	5.353	65	75919	11.018 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.18%		
64) Toluene-d8	7.301	98	200495	9.726 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.26%		
88) 4-Bromofluorobenzene	10.664	95	78957	9.903 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.03%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.463	85	49	N.D.	
3) Chloromethane	0.000		0	N.D. d	
4) Vinyl chloride	1.740	62	42	N.D.	
5) Bromomethane	1.993	94	171	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	2.120	101	74	N.D.	
8) Ethyl ether	2.433	74	64	N.D.	
10) 1,1-Dichloroethene	2.596	96	41	N.D.	
11) Carbon disulfide	2.777	76	298	N.D.	
15) Methylene chloride	3.239	84	65	N.D.	
17) Acetone	3.244	43	1988	1.235 ug/L	97
18) trans-1,2-Dichloroethene	3.475	96	41	N.D.	
21) Methyl tert-butyl ether	3.334	73	42	N.D.	
25) 1,1-Dichloroethane	3.878	63	41	N.D.	
27) Acrylonitrile	3.828	53	44	N.D.	
29) Vinyl acetate	4.131	43	104	N.D.	
30) cis-1,2-Dichloroethene	4.417	96	83	N.D.	
31) 2,2-Dichloropropane	4.553	77	46	N.D.	
33) Bromochloromethane	4.571	128	54	N.D.	
35) Chloroform	4.671	83	188	Below Cal #	30

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A14.D
Acq On : 4 Dec 2025 12:42 pm
Operator : ELAINE:MJV
Sample : L2575144-04,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 05 06:27:06 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	4.870	117	42	N.D.		
40) 1,1,1-Trichloroethane	4.920	97	47	N.D.		
42) 2-Butanone	0.000		0	N.D.	d	
43) 1,1-Dichloropropene	5.015	75	90	N.D.		
45) Benzene	5.221	78	115	N.D.		
48) 1,2-Dichloroethane	5.335	62	117	N.D.		
52) Trichloroethene	5.818	95	203	N.D.		
54) Dibromomethane	6.204	93	44	N.D.		
55) 1,2-Dichloropropane	6.270	63	43	N.D.		
58) Bromodichloromethane	6.362	83	147	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.	d	
62) cis-1,3-Dichloropropene	7.073	75	54	N.D.		
65) Toluene	7.367	92	48	N.D.		
66) 4-Methyl-2-pentanone	7.784	58	88	N.D.		
67) Tetrachloroethene	0.000		0	N.D.	d	
69) trans-1,3-Dichloropropene	0.000		0	N.D.	d	
72) 1,1,2-Trichloroethane	7.981	83	90	N.D.		
73) Chlorodibromomethane	8.087	129	41	N.D.		
74) 1,3-Dichloropropane	8.332	76	43	N.D.		
75) 1,2-Dibromoethane	8.398	107	41	N.D.		
77) 2-Hexanone	0.000		0	N.D.	d	
78) Chlorobenzene	9.170	112	46	N.D.		
79) Ethylbenzene	9.192	91	114	N.D.		
80) 1,1,1,2-Tetrachloroethane	9.184	131	45	N.D.		
81) p/m Xylene	9.390	106	43	N.D.		
82) o Xylene	9.925	106	47	N.D.		
83) Styrene	9.991	104	42	N.D.		
85) Bromoform	0.000		0	N.D.	d	
87) Isopropylbenzene	10.325	105	43	N.D.		
89) Bromobenzene	10.664	156	44	N.D.		
90) n-Propylbenzene	10.659	91	241	N.D.		
92) 1,1,2,2-Tetrachloroethane	10.831	83	64	N.D.		
93) 4-Ethyltoluene	10.950	105	183	N.D.		
94) 2-Chlorotoluene	11.056	91	41	N.D.		
95) 1,3,5-Trimethylbenzene	11.073	105	164	N.D.		
96) 1,2,3-Trichloropropane	11.056	75	44	N.D.		
97) trans-1,4-Dichloro-2-b...	11.096	53	57	N.D.		
98) 4-Chlorotoluene	11.184	91	55	N.D.		
99) tert-Butylbenzene	11.408	119	146	N.D.		

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A14.D
Acq On : 4 Dec 2025 12:42 pm
Operator : ELAINE:MJV
Sample : L2575144-04,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 05 06:27:06 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.492	105	138	N.D.		
103) sec-Butylbenzene	11.580	105	74	N.D.		
104) p-Isopropyltoluene	11.765	119	87	N.D.		
105) 1,3-Dichlorobenzene	11.831	146	52	N.D.		
106) 1,4-Dichlorobenzene	11.924	146	108	N.D.		
107) p-Diethylbenzene	12.148	119	59	N.D.		
108) n-Butylbenzene	12.193	91	44	N.D.		
109) 1,2-Dichlorobenzene	12.360	146	57	N.D.		
110) 1,2,4,5-Tetramethylben...	12.946	119	101	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	d	
113) Hexachlorobutadiene	0.000		0	N.D.	d	
114) 1,2,4-Trichlorobenzene	13.792	180	72	N.D.		
115) Naphthalene	14.074	128	141	N.D.		
116) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

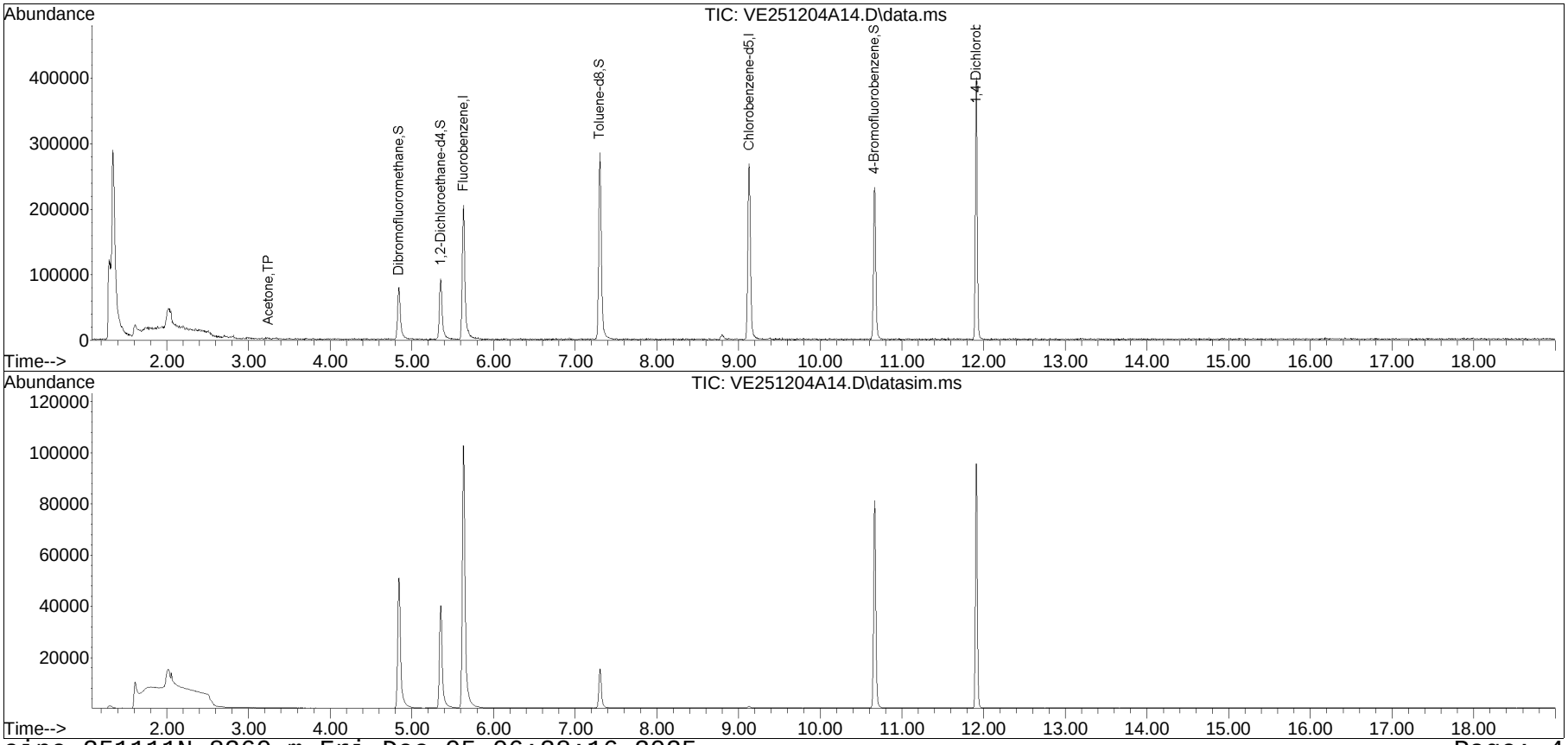
(#) = qualifier out of range (m) = manual integration (+) = signals summed

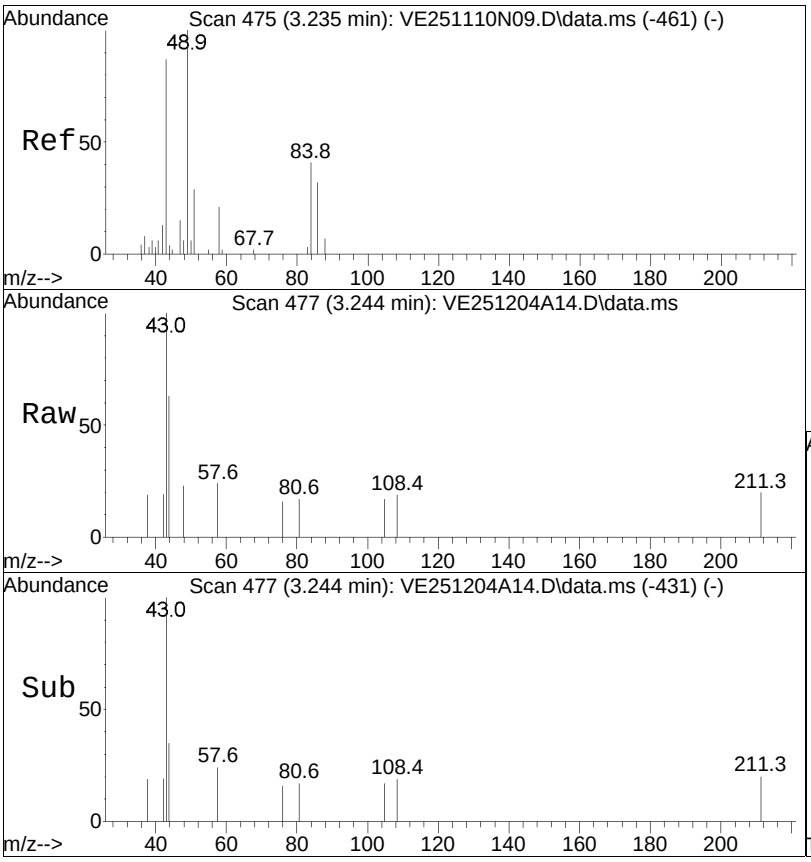
Quantitation Report (QT/LSC Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A14.D
Acq On : 4 Dec 2025 12:42 pm
Operator : ELAINE:MJV
Sample : L2575144-04,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 05 06:27:06 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox51204A01.D•

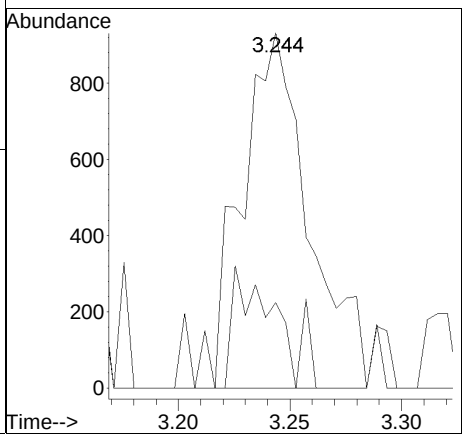




#17
Acetone
Concen: 1.23 ug/L
RT: 3.244 min Scan# 477
Delta R.T. 0.009 min
Lab File: VE251204A14.D
Acq: 4 Dec 2025 12:42 pm

Tgt Ion: 43 Resp: 1988

Ion	Ratio	Lower	Upper
43	100		
58	18.7	16.2	24.4



Manual Integration Report

Data Path	: K:\Elaine\2025\251204A\	QMethod	: Elaine_251111N_8260.m
Data File	: VE251204A14.D	Operator	: ELAINE:MJV
Date Inj'd	: 12/4/2025 12:42 pm	Instrument	: Elaine
Sample	: L2575144-04,31,10,10,,A	Quant Date	: 12/4/2025 4:38 pm

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

LSC Area Percent Report

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A14.D
Acq On : 4 Dec 2025 12:42 pm
Operator : ELAINE:MJV
Sample : L2575144-04,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 1 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VE251204A14.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.617	109	118	129	rBV4	17613	58506	9.14%	1.701%
2	2.020	197	207	229	rBV7	28229	114260	17.85%	3.322%
3	4.843	819	830	852	rBV2	80061	197799	30.90%	5.750%
4	5.353	929	944	959	rBV3	93065	223824	34.96%	6.507%
5	5.634	996	1008	1027	rBV	205166	476263	74.39%	13.846%
6	7.301	1373	1388	1410	rBV	284658	640219	100.00%	18.613%
7	8.797	1722	1729	1738	rBV6	7926	19423	3.03%	0.565%
8	9.127	1788	1804	1825	rBV	269896	622704	97.26%	18.103%
9	10.664	2143	2154	2172	rBV2	232393	457049	71.39%	13.287%
10	11.911	2426	2437	2451	rBV	400082	629671	98.35%	18.306%

Sum of corrected areas: 3439718

Signal : TIC: VE251204A14.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

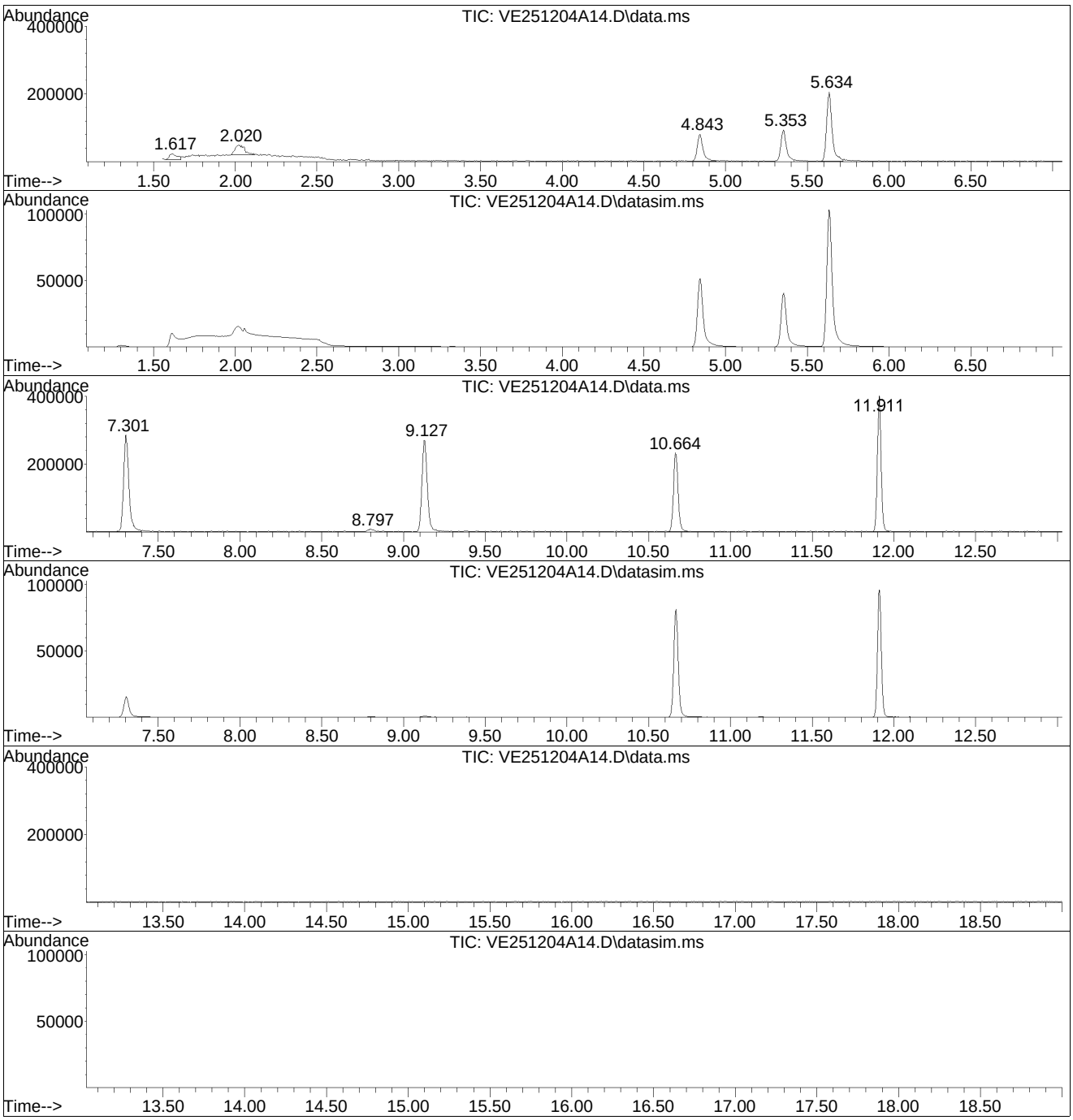
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A14.D
Acq On : 4 Dec 2025 12:42 pm
Operator : ELAINE:MJV
Sample : L2575144-04,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A14.D
Acq On : 4 Dec 2025 12:42 pm
Operator : ELAINE:MJV
Sample : L2575144-04,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

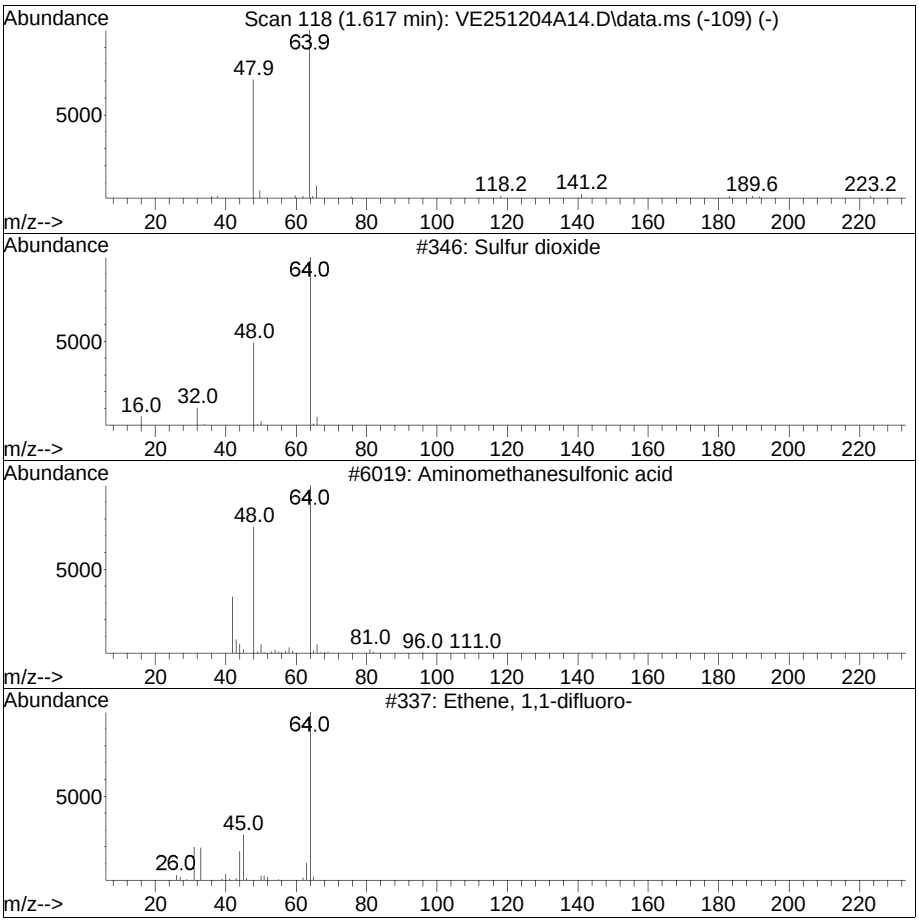
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

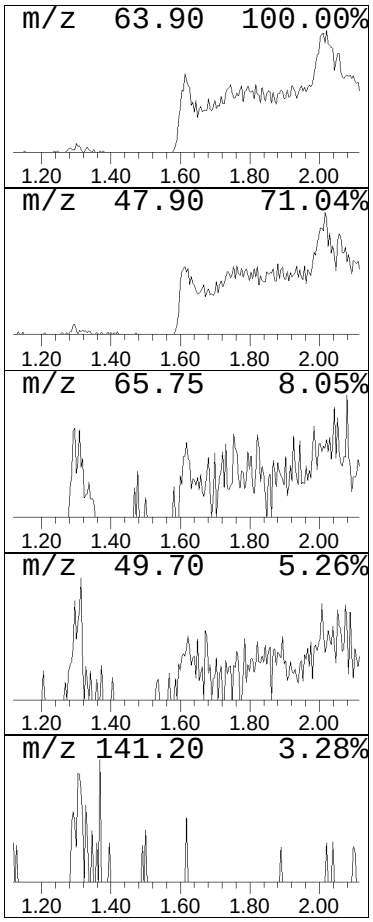
****

Peak Number 1 Unknown Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.617	1.23 ug/L	58506	Fluorobenzene	5.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	74
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	9
4	Dihydropyrimidine-2-methyl thios...	208	C5H8N2O3S2	1000256-28-8	9
5	Cysteic acid	169	C3H7NO5S	1000131-23-1	9





Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A14.D
Acq On : 4 Dec 2025 12:42 pm
Operator : ELAINE:MJV
Sample : L2575144-04,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

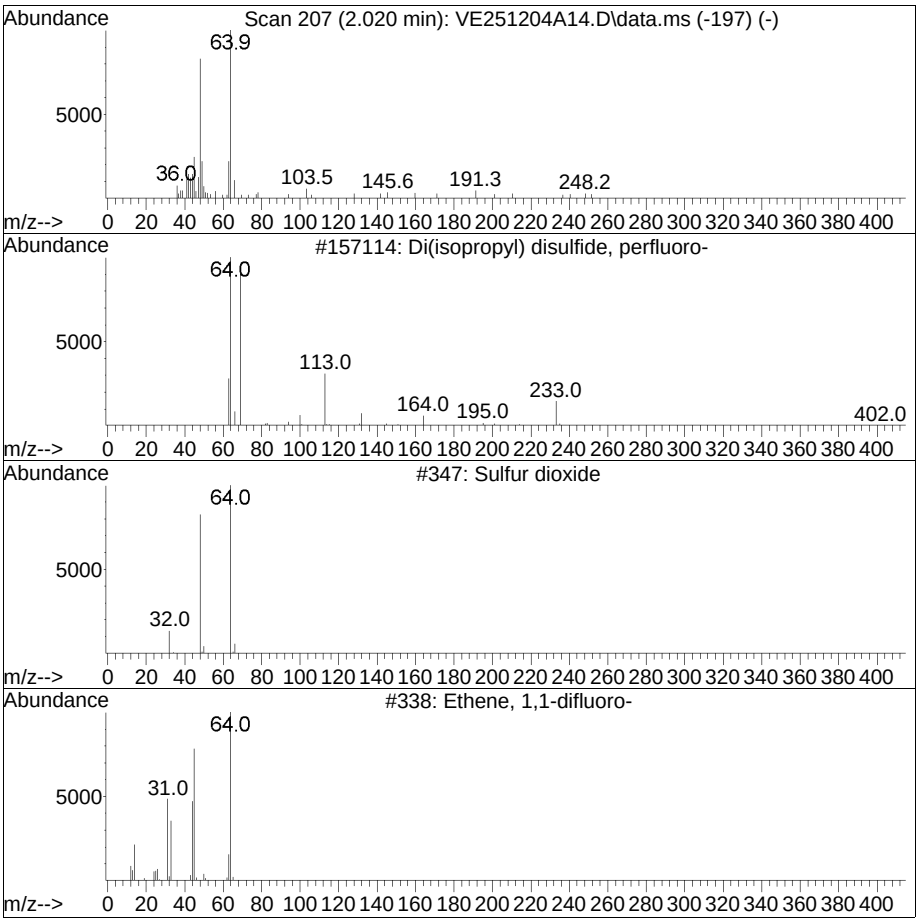
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

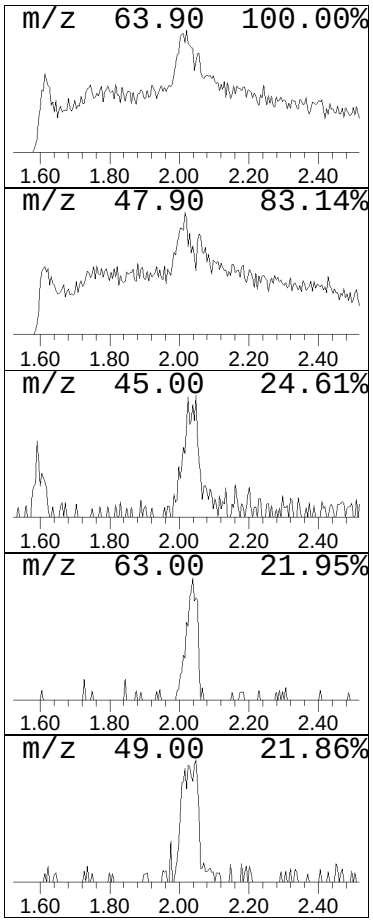
****

Peak Number 2 Unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.020	2.40 ug/L	114260	Fluorobenzene	5.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Di(isopropyl) disulfide, perfluoro-	402	C6F14S2	000754-62-1	64
2	Sulfur dioxide	64	O2S	007446-09-5	59
3	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	52
4	Ethanesulfonyl chloride	128	C2H5ClO2S	000594-44-5	45
5	Thiosulfuric acid (H2S2O3), S-(2...	210	C5H10N2O3S2	040283-52-1	39





Tentatively Identified Compound (LSC) summary

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A14.D
Acq On : 4 Dec 2025 12:42 pm
Operator : ELAINE:MJV
Sample : L2575144-04,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown	1.617	1.2	ug/L	58506	1	5.634	476263	10.0
Unknown	2.020	2.4	ug/L	114260	1	5.634	476263	10.0

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A15.D
Acq On : 4 Dec 2025 1:07 pm
Operator : ELAINE:MJV
Sample : L2575144-05,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 05 06:12:17 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.629	96	180941	10.000 ug/L	0.00
Standard Area 1 = 228604			Recovery = 79.15%		
63) Chlorobenzene-d5	9.131	117	149329	10.000 ug/L	0.00
Standard Area 1 = 181694			Recovery = 82.19%		
84) 1,4-Dichlorobenzene-d4	11.911	152	79533	10.000 ug/L	0.00
Standard Area 1 = 98206			Recovery = 80.99%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.843	113	55881	11.205 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.05%		
47) 1,2-Dichloroethane-d4	5.353	65	76106	11.201 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.01%		
64) Toluene-d8	7.301	98	199790	9.997 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.97%		
88) 4-Bromofluorobenzene	10.668	95	76890	10.142 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.42%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.545	85	46	N.D.	
3) Chloromethane	0.000		0	N.D. d	
4) Vinyl chloride	1.704	62	11210	1.815 ug/L	95
5) Bromomethane	1.984	94	167	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	2.061	101	60	N.D.	
8) Ethyl ether	2.564	74	42	N.D.	
10) 1,1-Dichloroethene	2.673	96	50	N.D.	
11) Carbon disulfide	0.000		0	N.D. d	
15) Methylene chloride	3.253	84	58	N.D.	
17) Acetone	3.235	43	1842M2	1.160 ug/L	
18) trans-1,2-Dichloroethene	3.348	96	53	N.D.	
21) Methyl tert-butyl ether	3.375	73	96	N.D.	
25) 1,1-Dichloroethane	3.837	63	42	N.D.	
27) Acrylonitrile	3.964	53	46	N.D.	
29) Vinyl acetate	4.141	43	62	N.D.	
30) cis-1,2-Dichloroethene	4.412	96	4168	0.902 ug/L	92
31) 2,2-Dichloropropane	4.449	77	46	N.D.	
33) Bromochloromethane	4.653	128	44	N.D.	
35) Chloroform	4.671	83	291	Below Cal #	79

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A15.D
Acq On : 4 Dec 2025 1:07 pm
Operator : ELAINE:MJV
Sample : L2575144-05,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 05 06:12:17 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	4.779	117	51	N.D.		
40) 1,1,1-Trichloroethane	5.033	97	44	N.D.		
42) 2-Butanone	4.947	43	92	N.D.		
43) 1,1-Dichloropropene	0.000		0	N.D.		
45) Benzene	5.160	78	47	N.D.		
48) 1,2-Dichloroethane	5.397	62	51	N.D.		
52) Trichloroethene	5.818	95	1090M1	0.269	ug/L	
54) Dibromomethane	6.143	93	52	N.D.		
55) 1,2-Dichloropropane	0.000		0	N.D.		d
58) Bromodichloromethane	6.467	83	40	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.		d
62) cis-1,3-Dichloropropene	7.108	75	89	N.D.		
65) Toluene	7.319	92	60	N.D.		
66) 4-Methyl-2-pentanone	0.000		0	N.D.		d
67) Tetrachloroethene	0.000		0	N.D.		d
69) trans-1,3-Dichloropropene	0.000		0	N.D.		d
72) 1,1,2-Trichloroethane	8.060	83	86	N.D.		
73) Chlorodibromomethane	8.236	129	52	N.D.		
74) 1,3-Dichloropropane	8.280	76	54	N.D.		
75) 1,2-Dibromoethane	8.455	107	41	N.D.		
77) 2-Hexanone	8.841	43	46	N.D.		
78) Chlorobenzene	9.170	112	45	N.D.		
79) Ethylbenzene	9.184	91	130	N.D.		
80) 1,1,1,2-Tetrachloroethane	9.179	131	45	N.D.		
81) p/m Xylene	9.381	106	103	N.D.		
82) o Xylene	10.039	106	80	N.D.		
83) Styrene	10.026	104	79	N.D.		
85) Bromoform	0.000		0	N.D.		d
87) Isopropylbenzene	10.360	105	60	N.D.		
89) Bromobenzene	10.919	156	46	N.D.		
90) n-Propylbenzene	10.673	91	300	N.D.		
92) 1,1,2,2-Tetrachloroethane	10.933	83	42	N.D.		
93) 4-Ethyltoluene	10.972	105	45	N.D.		
94) 2-Chlorotoluene	11.012	91	53	N.D.		
95) 1,3,5-Trimethylbenzene	11.056	105	53	N.D.		
96) 1,2,3-Trichloropropane	11.096	75	40	N.D.		
97) trans-1,4-Dichloro-2-b...	11.113	53	40	N.D.		
98) 4-Chlorotoluene	11.047	91	111	N.D.		
99) tert-Butylbenzene	11.422	119	44	N.D.		

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A15.D
Acq On : 4 Dec 2025 1:07 pm
Operator : ELAINE:MJV
Sample : L2575144-05,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 05 06:12:17 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102)	1,2,4-Trimethylbenzene	11.492	105	89	N.D.		
103)	sec-Butylbenzene	11.585	105	43	N.D.		
104)	p-Isopropyltoluene	11.774	119	54	N.D.		
105)	1,3-Dichlorobenzene	11.911	146	60	N.D.		
106)	1,4-Dichlorobenzene	11.911	146	60	N.D.		
107)	p-Diethylbenzene	12.069	119	40	N.D.		
108)	n-Butylbenzene	12.215	91	82	N.D.		
109)	1,2-Dichlorobenzene	12.430	146	49	N.D.		
110)	1,2,4,5-Tetramethylben...	12.964	119	48	N.D.		
111)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.	d	
113)	Hexachlorobutadiene	0.000		0	N.D.	d	
114)	1,2,4-Trichlorobenzene	13.690	180	110	N.D.		
115)	Naphthalene	14.069	128	57	N.D.		
116)	1,2,3-Trichlorobenzene	14.175	180	42	N.D.		

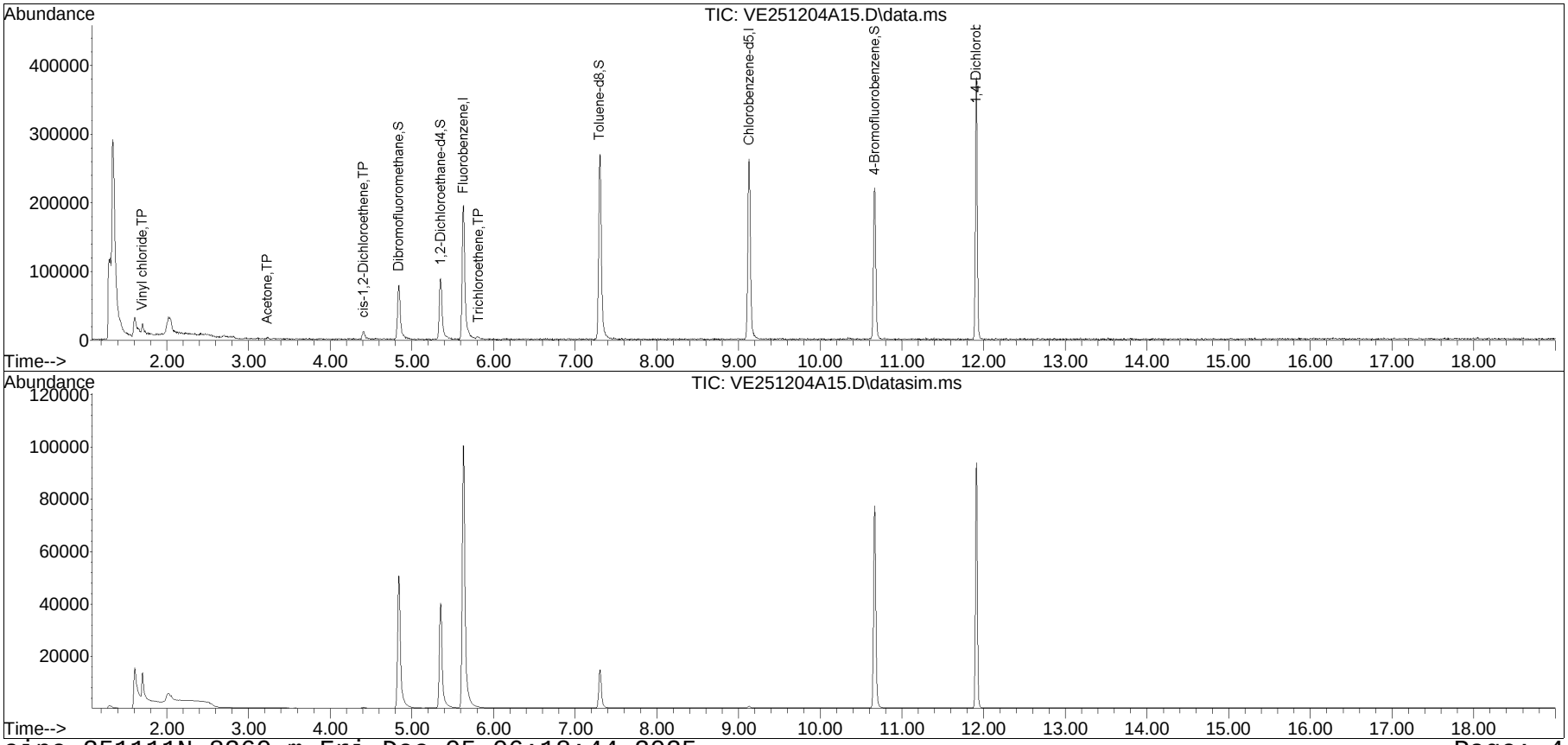
(#) = qualifier out of range (m) = manual integration (+) = signals summed

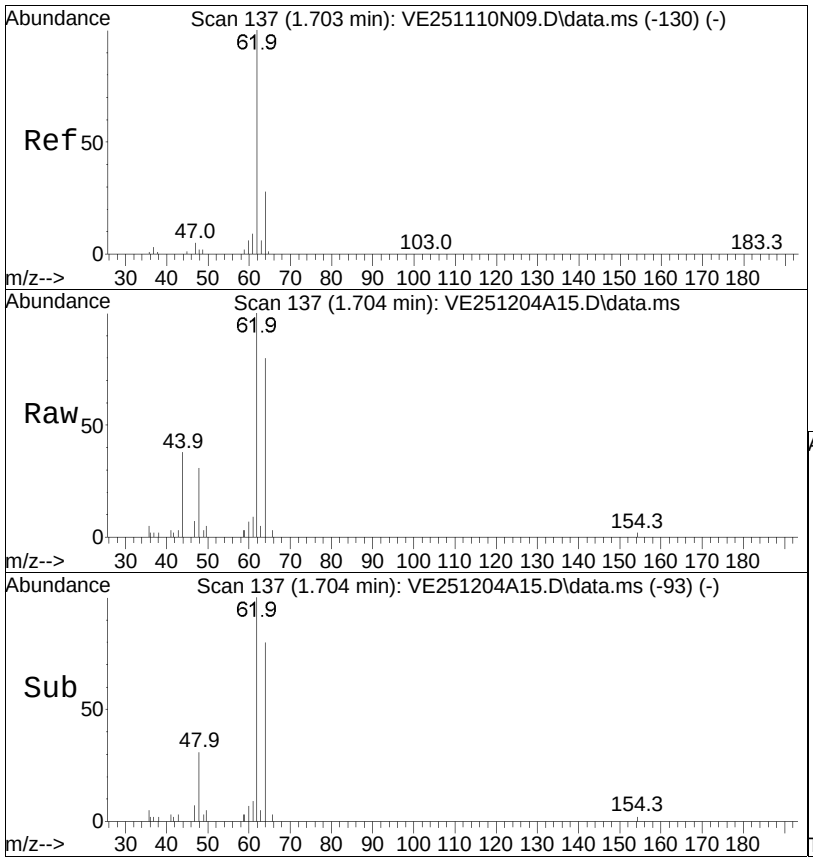
Quantitation Report (QT/LSC Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A15.D
Acq On : 4 Dec 2025 1:07 pm
Operator : ELAINE:MJV
Sample : L2575144-05,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 05 06:12:17 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox51204A01.D•

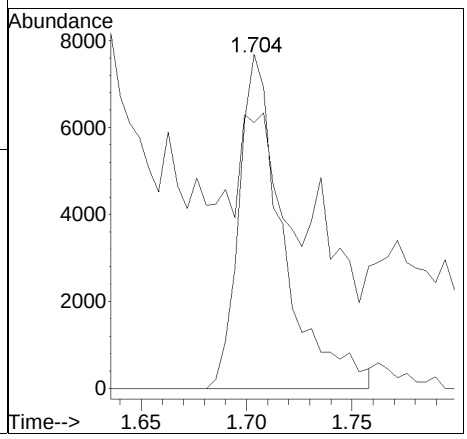


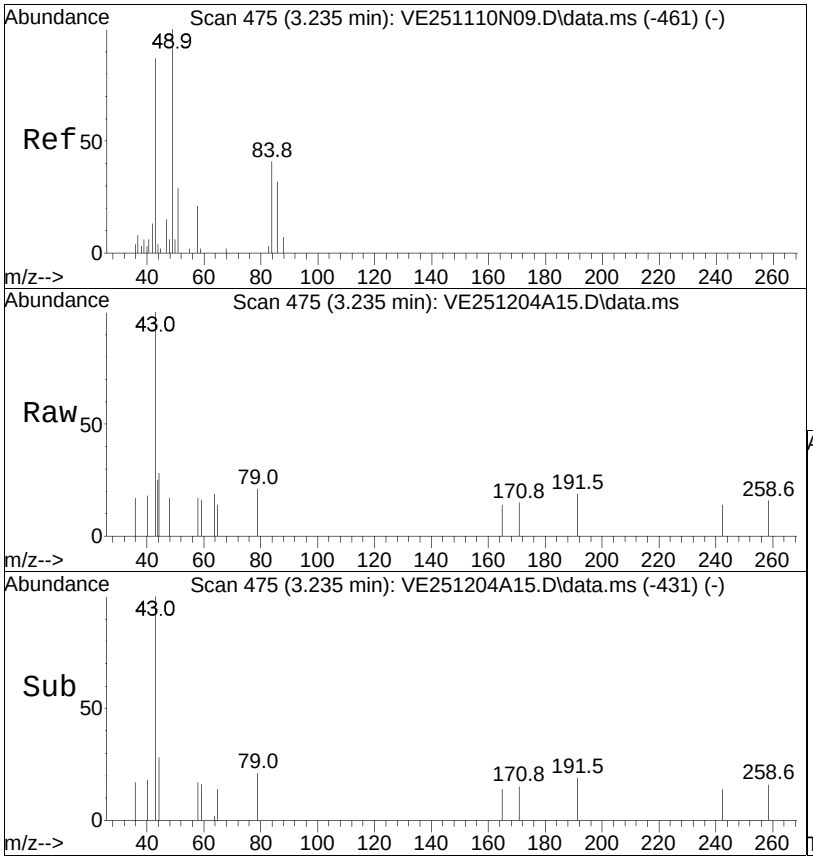


#4
Vinyl chloride
Concen: 1.82 ug/L
RT: 1.704 min Scan# 137
Delta R.T. 0.001 min
Lab File: VE251204A15.D
Acq: 4 Dec 2025 1:07 pm

Tgt Ion: 62 Resp: 11210

Ion	Ratio	Lower	Upper
62	100		
64	27.6	10.6	50.6

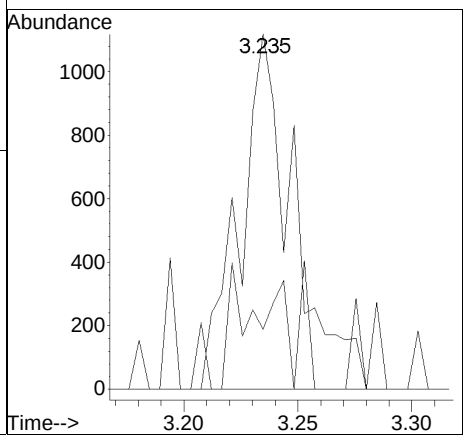


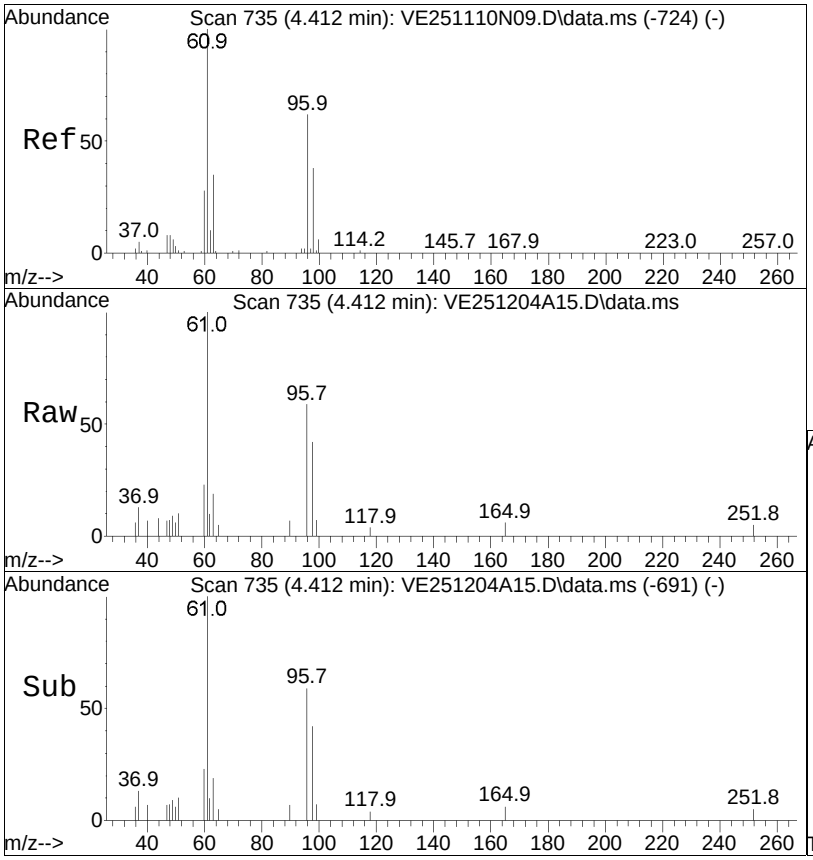


#17
Acetone
Concen: 1.16 ug/L M2
RT: 3.235 min Scan# 475
Delta R.T. -0.000 min
Lab File: VE251204A15.D
Acq: 4 Dec 2025 1:07 pm

Tgt Ion: 43 Resp: 1842

Ion	Ratio	Lower	Upper
43	100		
58	0.0	16.2	24.4#

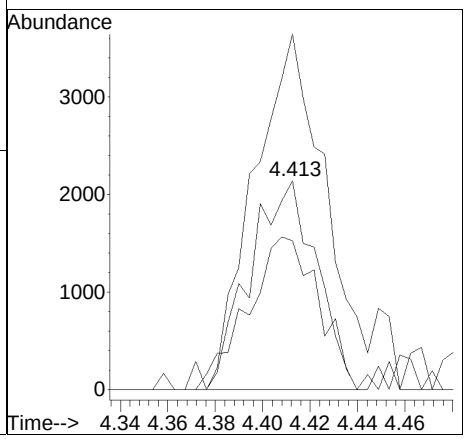


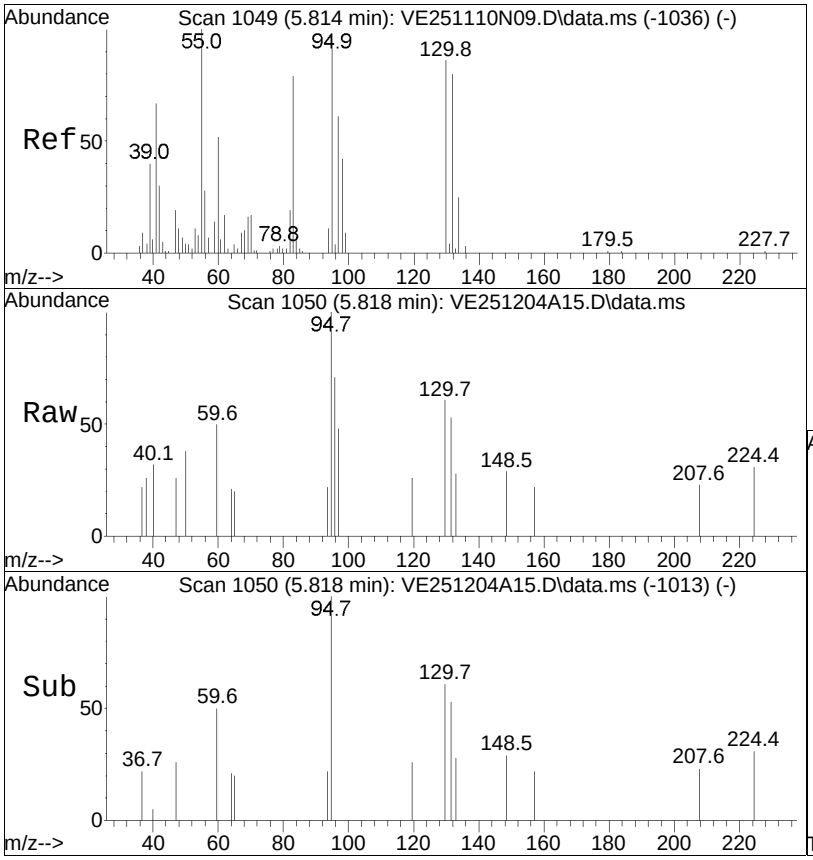


#30
cis-1,2-Dichloroethene
Concen: 0.90 ug/L
RT: 4.412 min Scan# 735
Delta R.T. 0.000 min
Lab File: VE251204A15.D
Acq: 4 Dec 2025 1:07 pm

Tgt Ion: 96 Resp: 4168

Ion	Ratio	Lower	Upper
96	100		
61	183.5	153.3	229.9
98	77.7	52.8	79.2

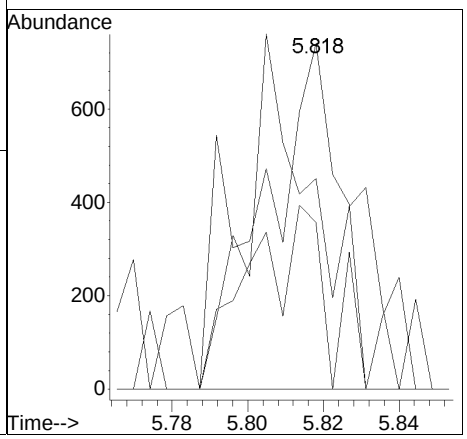




#52
Trichloroethene
Concen: 0.27 ug/L M1
RT: 5.818 min Scan# 1050
Delta R.T. 0.004 min
Lab File: VE251204A15.D
Acq: 4 Dec 2025 1:07 pm

Tgt Ion: 95 Resp: 1090

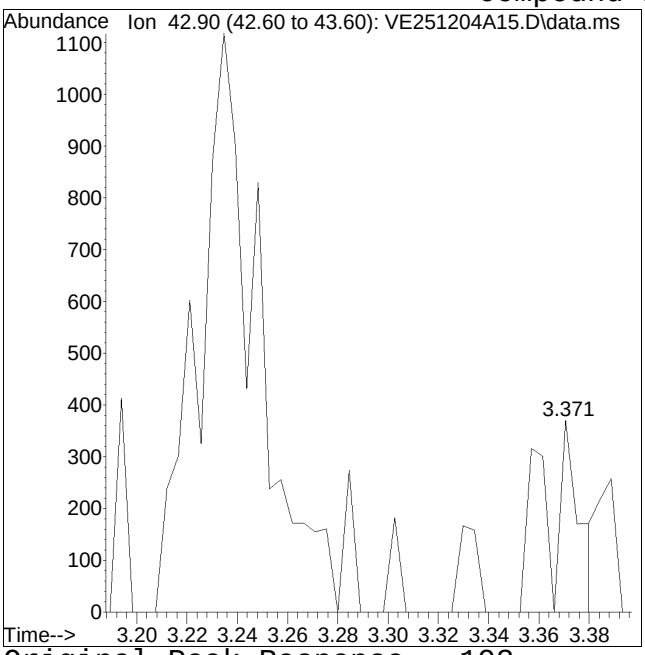
Ion	Ratio	Lower	Upper
95	100		
97	27.2	54.4	81.6#
130	74.3	73.7	110.5



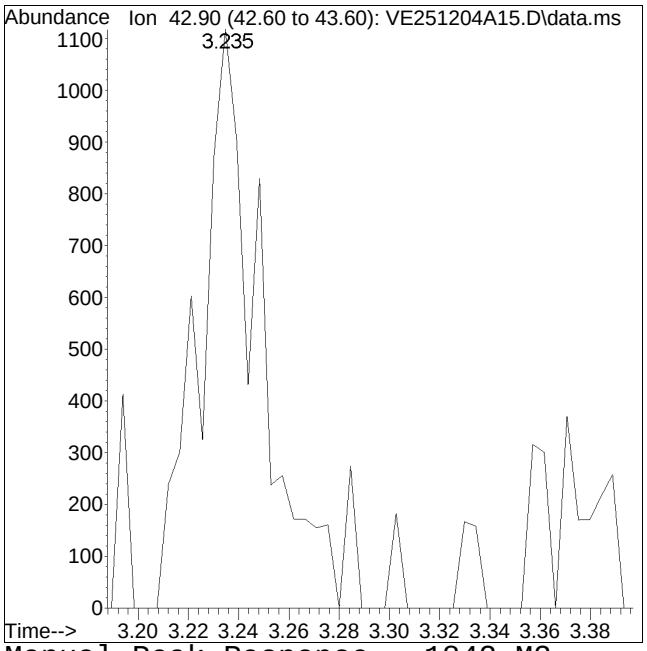
Manual Integration Report

Data Path	: K:\Elaine\2025\251204A\	QMethod	: Elaine_251111N_8260.m
Data File	: VE251204A15.D	Operator	: ELAINE:MJV
Date Inj'd	: 12/4/2025 1:07 pm	Instrument	: Elaine
Sample	: L2575144-05,31,10,10,,A	Quant Date	: 12/4/2025 4:39 pm

Compound #17: Acetone



Original Peak Response = 193



Manual Peak Response = 1842 M2

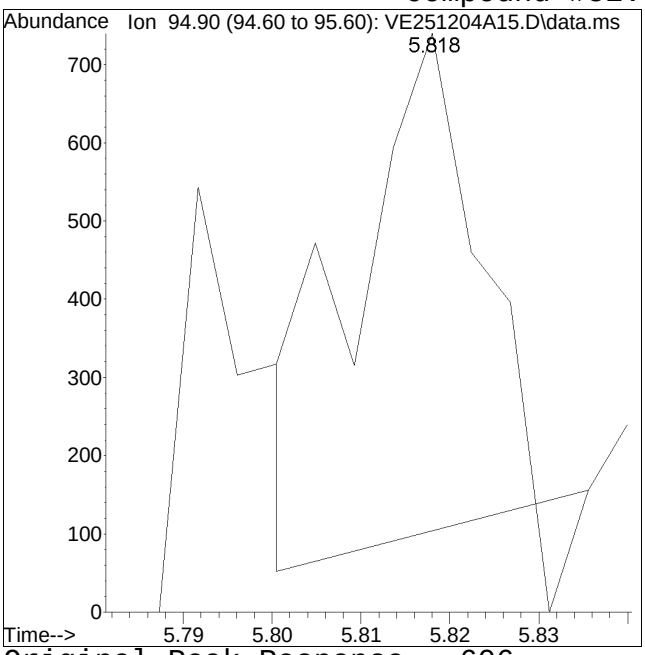
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

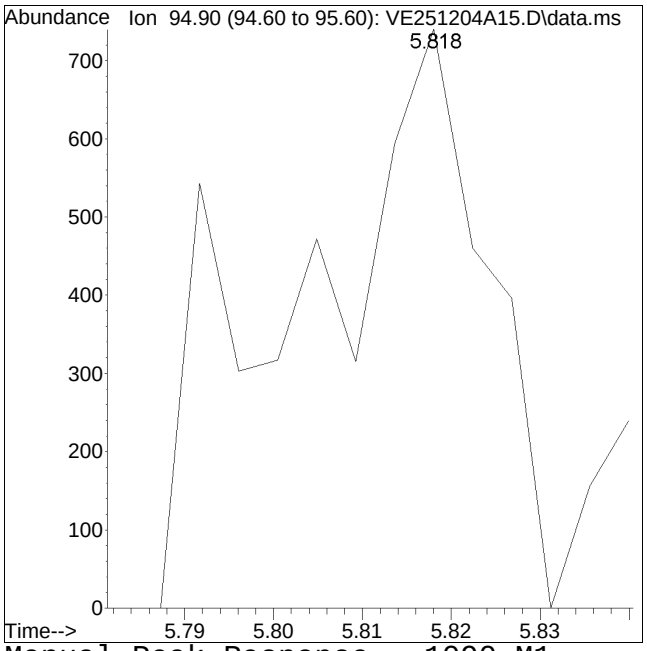
Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A15.D
Date Inj'd : 12/4/2025 1:07 pm
Sample : L2575144-05,31,10,10,,A

QMethod : Elaine_251111N_8260.m
Operator : ELAINE:MJV
Instrument : Elaine
Quant Date : 12/4/2025 4:39 pm

Compound #52: Trichloroethene



Original Peak Response = 606



Manual Peak Response = 1090 M1

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

LSC Area Percent Report

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A15.D
Acq On : 4 Dec 2025 1:07 pm
Operator : ELAINE:MJV
Sample : L2575144-05,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 1 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VE251204A15.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.608	108	116	132	rBV3	28416	88663	13.78%	2.634%
2	2.021	197	207	210	rBV5	23545	49232	7.65%	1.462%
3	4.413	727	735	741	rBV4	12019	26478	4.12%	0.787%
4	4.843	817	830	848	rBV	79867	200723	31.20%	5.963%
5	5.353	932	944	961	rBV2	89128	219053	34.05%	6.507%
6	5.634	996	1008	1028	rBV	196436	478467	74.38%	14.213%
7	7.301	1371	1388	1415	rBV3	270453	643299	100.00%	19.109%
8	9.131	1790	1805	1824	rBV3	263146	601626	93.52%	17.872%
9	10.664	2142	2154	2173	rVB3	220384	447001	69.49%	13.278%
10	11.911	2428	2437	2451	rBV2	381153	611847	95.11%	18.175%

Sum of corrected areas: 3366389

Signal : TIC: VE251204A15.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

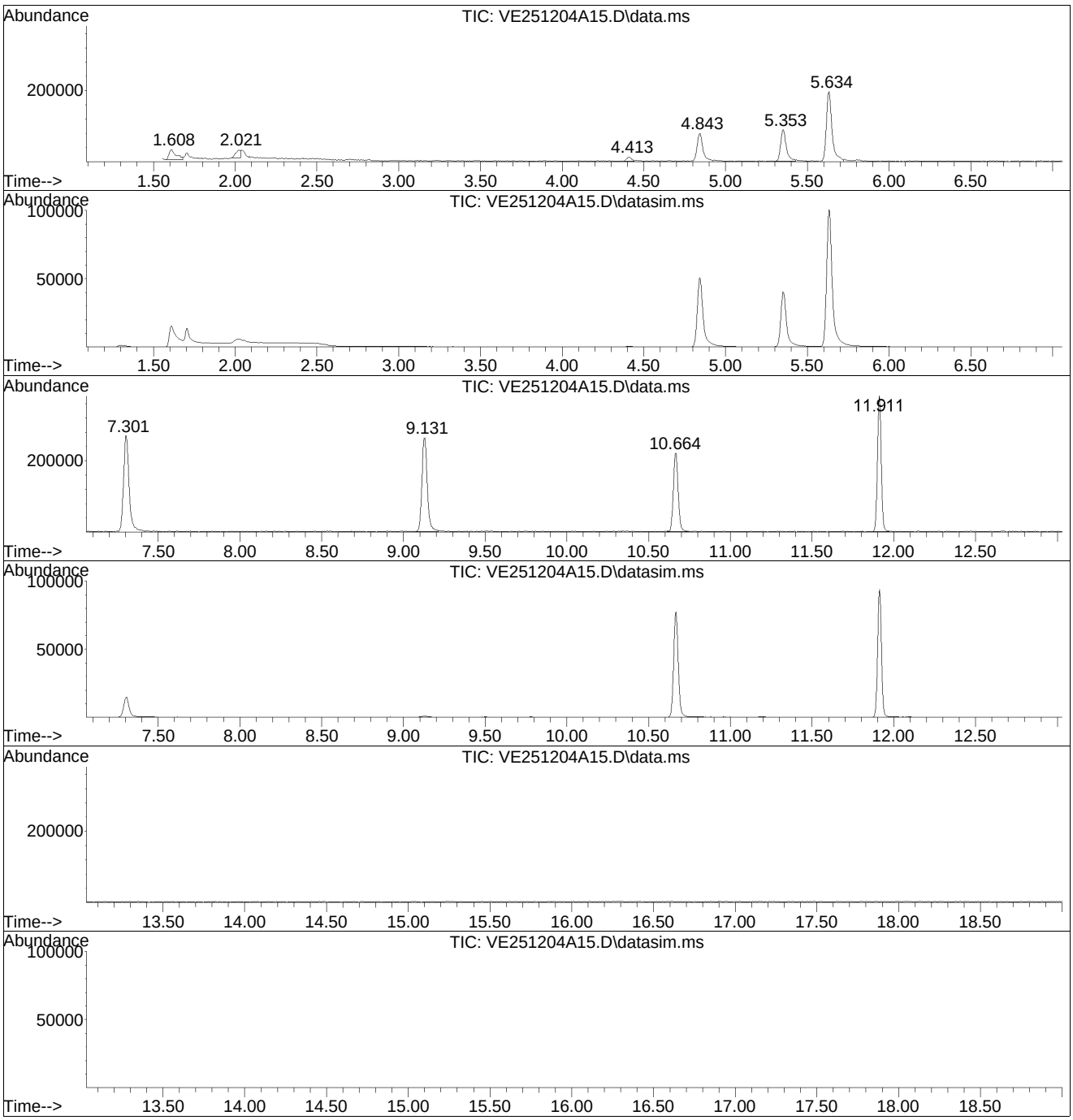
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A15.D
Acq On : 4 Dec 2025 1:07 pm
Operator : ELAINE:MJV
Sample : L2575144-05,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A15.D
Acq On : 4 Dec 2025 1:07 pm
Operator : ELAINE:MJV
Sample : L2575144-05,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

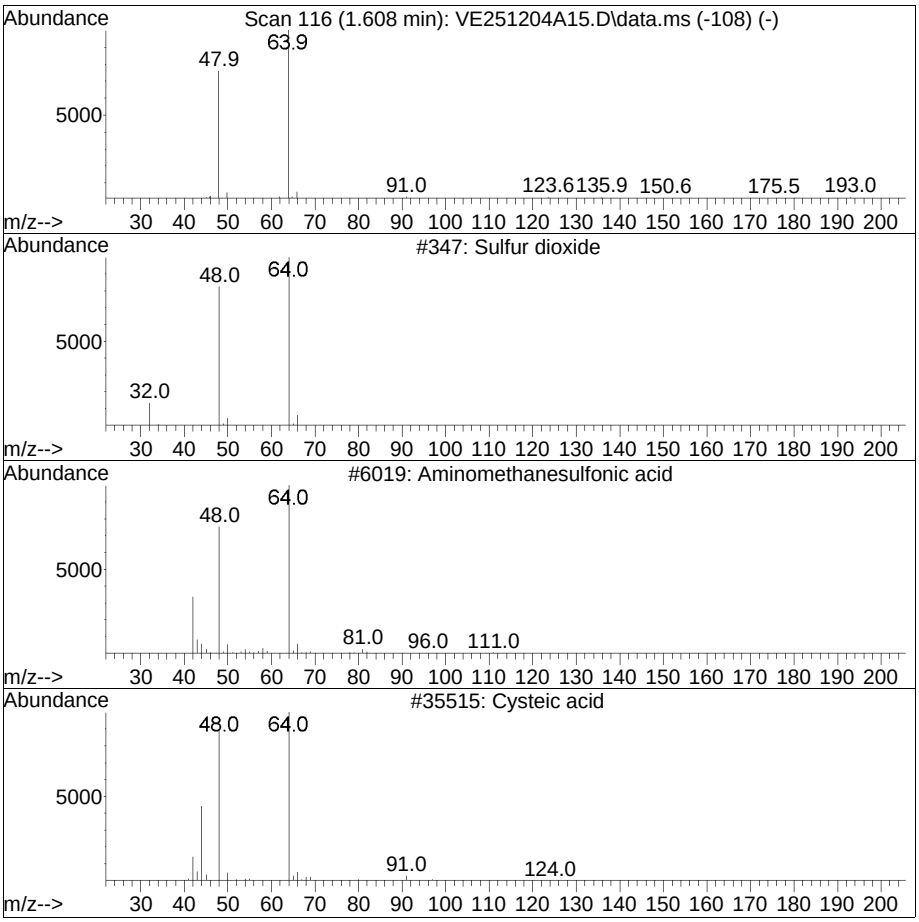
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

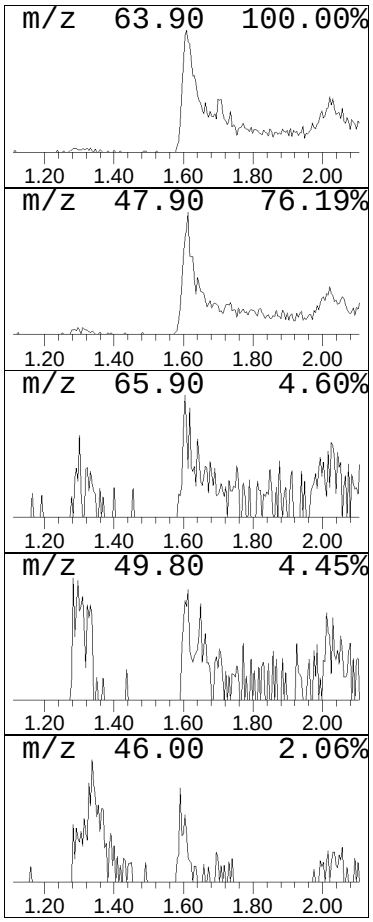
****

Peak Number 1 Unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.608	1.85 ug/L	88663	Fluorobenzene	5.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	74
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	Cysteic acid	169	C3H7NO5S	1000131-23-1	64
4	Ethene, 1,2-difluoro-	64	C2H2F2	001691-13-0	9
5	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	9





Library Search Compound Report

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A15.D
Acq On : 4 Dec 2025 1:07 pm
Operator : ELAINE:MJV
Sample : L2575144-05,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

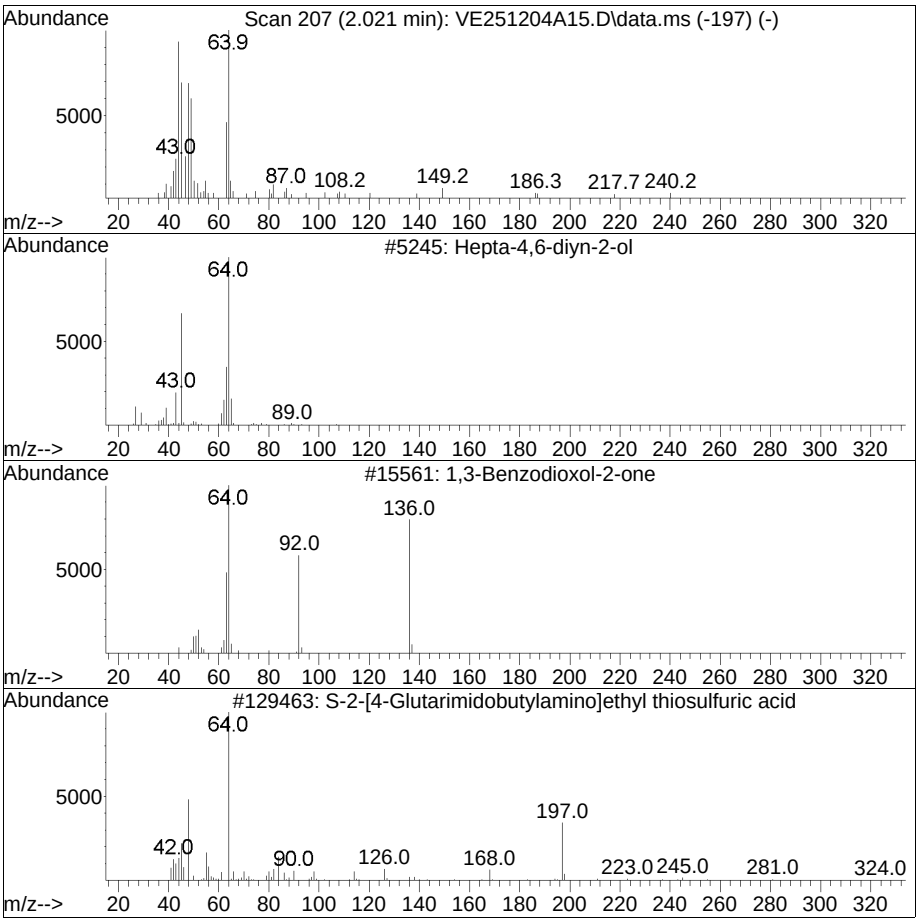
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

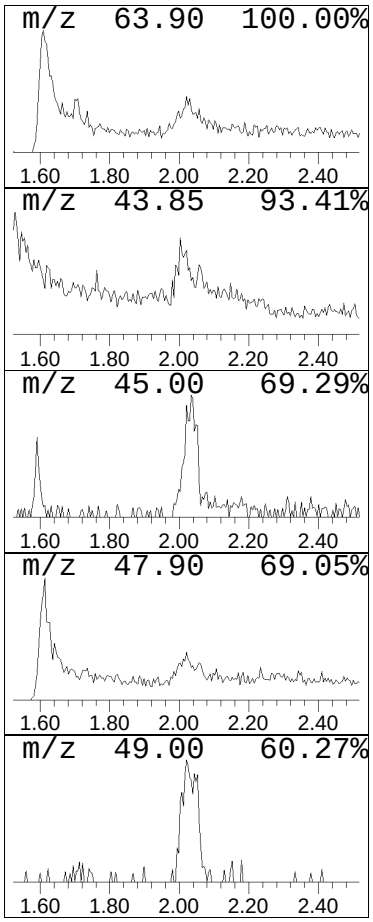
****

Peak Number 2 Unknown Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.021	1.03 ug/L	49232	Fluorobenzene	5.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hepta-4,6-diyn-2-ol	108	C7H8O	1000154-66-3	38
2	1,3-Benzodioxol-2-one	136	C7H4O3	002171-74-6	37
3	S-2-[4-Glutarimidobutylamino]eth...	324	C11H20N2O5S2	031701-78-7	25
4	Ethene, (methylsulfonyl)-	106	C3H6O2S	003680-02-2	25
5	Thiosulfuric acid (H2S2O3), S-(2...	320	C11H16N2O3S3	040284-00-2	17





Tentatively Identified Compound (LSC) summary

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A15.D
Acq On : 4 Dec 2025 1:07 pm
Operator : ELAINE:MJV
Sample : L2575144-05,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown	1.608	1.9	ug/L	88663	1	5.629	478467	10.0
Unknown	2.021	1.0	ug/L	49232	1	5.629	478467	10.0

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A16.D
Acq On : 4 Dec 2025 1:32 pm
Operator : ELAINE:MJV
Sample : L2575144-06,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 05 06:12:45 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.629	96	182221	10.000 ug/L	0.00
Standard Area 1 = 228604			Recovery = 79.71%		
63) Chlorobenzene-d5	9.127	117	156048	10.000 ug/L	0.00
Standard Area 1 = 181694			Recovery = 85.89%		
84) 1,4-Dichlorobenzene-d4	11.911	152	84879	10.000 ug/L	0.00
Standard Area 1 = 98206			Recovery = 86.43%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.838	113	56858	11.321 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.21%		
47) 1,2-Dichloroethane-d4	5.349	65	72649	10.617 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.17%		
64) Toluene-d8	7.306	98	203679	9.753 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.53%		
88) 4-Bromofluorobenzene	10.664	95	77988	9.639 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.39%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.382	85	46	N.D.	
3) Chloromethane	0.000		0	N.D. d	
4) Vinyl chloride	1.699	62	42	N.D.	
5) Bromomethane	2.007	94	44	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	2.211	101	42	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	2.664	96	47	N.D.	
11) Carbon disulfide	0.000		0	N.D. d	
15) Methylene chloride	3.257	84	54	N.D.	
17) Acetone	3.239	43	12592	7.876 ug/L #	89
18) trans-1,2-Dichloroethene	3.348	96	57	N.D.	
21) Methyl tert-butyl ether	3.488	73	46	N.D.	
25) 1,1-Dichloroethane	3.910	63	41	N.D.	
27) Acrylonitrile	3.914	53	47	N.D.	
29) Vinyl acetate	4.132	43	43	N.D.	
30) cis-1,2-Dichloroethene	4.403	96	3119	0.670 ug/L #	76
31) 2,2-Dichloropropane	4.435	77	51	N.D.	
33) Bromochloromethane	4.607	128	49	N.D.	
35) Chloroform	4.666	83	42	Below Cal #	1

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A16.D
Acq On : 4 Dec 2025 1:32 pm
Operator : ELAINE:MJV
Sample : L2575144-06,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 05 06:12:45 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	4.834	117	44	N.D.		
40) 1,1,1-Trichloroethane	4.884	97	43	N.D.		
42) 2-Butanone	0.000		0	N.D.	d	
43) 1,1-Dichloropropene	4.992	75	42	N.D.		
45) Benzene	5.221	78	207	N.D.		
48) 1,2-Dichloroethane	5.384	62	58	N.D.		
52) Trichloroethene	5.805	95	2415M1	0.593	ug/L	
54) Dibromomethane	6.073	93	52	N.D.		
55) 1,2-Dichloropropane	6.173	63	51	N.D.		
58) Bromodichloromethane	6.432	83	42	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.	d	
62) cis-1,3-Dichloropropene	7.069	75	40	N.D.		
65) Toluene	7.363	92	2781	0.240	ug/L	98
66) 4-Methyl-2-pentanone	0.000		0	N.D.	d	
67) Tetrachloroethene	0.000		0	N.D.	d	
69) trans-1,3-Dichloropropene	0.000		0	N.D.	d	
72) 1,1,2-Trichloroethane	8.025	83	81	N.D.		
73) Chlorodibromomethane	8.337	129	49	N.D.		
74) 1,3-Dichloropropane	8.302	76	52	N.D.		
75) 1,2-Dibromoethane	8.490	107	49	N.D.		
77) 2-Hexanone	8.802	43	132	N.D.		
78) Chlorobenzene	9.144	112	49	N.D.		
79) Ethylbenzene	9.188	91	527	N.D.		
80) 1,1,1,2-Tetrachloroethane	9.320	131	57	N.D.		
81) p/m Xylene	9.390	106	274	N.D.		
82) o Xylene	9.925	106	80	N.D.		
83) Styrene	10.013	104	51	N.D.		
85) Bromoform	0.000		0	N.D.	d	
87) Isopropylbenzene	10.333	105	59	N.D.		
89) Bromobenzene	10.778	156	57	N.D.		
90) n-Propylbenzene	10.818	91	136	N.D.		
92) 1,1,2,2-Tetrachloroethane	11.016	83	77	N.D.		
93) 4-Ethyltoluene	10.968	105	53	N.D.		
94) 2-Chlorotoluene	11.065	91	41	N.D.		
95) 1,3,5-Trimethylbenzene	11.025	105	52	N.D.		
96) 1,2,3-Trichloropropane	10.959	75	42	N.D.		
97) trans-1,4-Dichloro-2-b...	11.113	53	59	N.D.		
98) 4-Chlorotoluene	11.201	91	58	N.D.		
99) tert-Butylbenzene	11.232	119	95	N.D.		

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A16.D
Acq On : 4 Dec 2025 1:32 pm
Operator : ELAINE:MJV
Sample : L2575144-06,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 05 06:12:45 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.492	105	228	N.D.		
103) sec-Butylbenzene	11.615	105	42	N.D.		
104) p-Isopropyltoluene	11.765	119	123	N.D.		
105) 1,3-Dichlorobenzene	11.823	146	48	N.D.		
106) 1,4-Dichlorobenzene	11.933	146	111	N.D.		
107) p-Diethylbenzene	12.096	119	40	N.D.		
108) n-Butylbenzene	12.223	91	76	N.D.		
109) 1,2-Dichlorobenzene	12.294	146	60	N.D.		
110) 1,2,4,5-Tetramethylben...	13.012	119	41	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	d	
113) Hexachlorobutadiene	0.000		0	N.D.	d	
114) 1,2,4-Trichlorobenzene	13.783	180	41	N.D.		
115) Naphthalene	14.118	128	52	N.D.		
116) 1,2,3-Trichlorobenzene	14.246	180	43	N.D.		

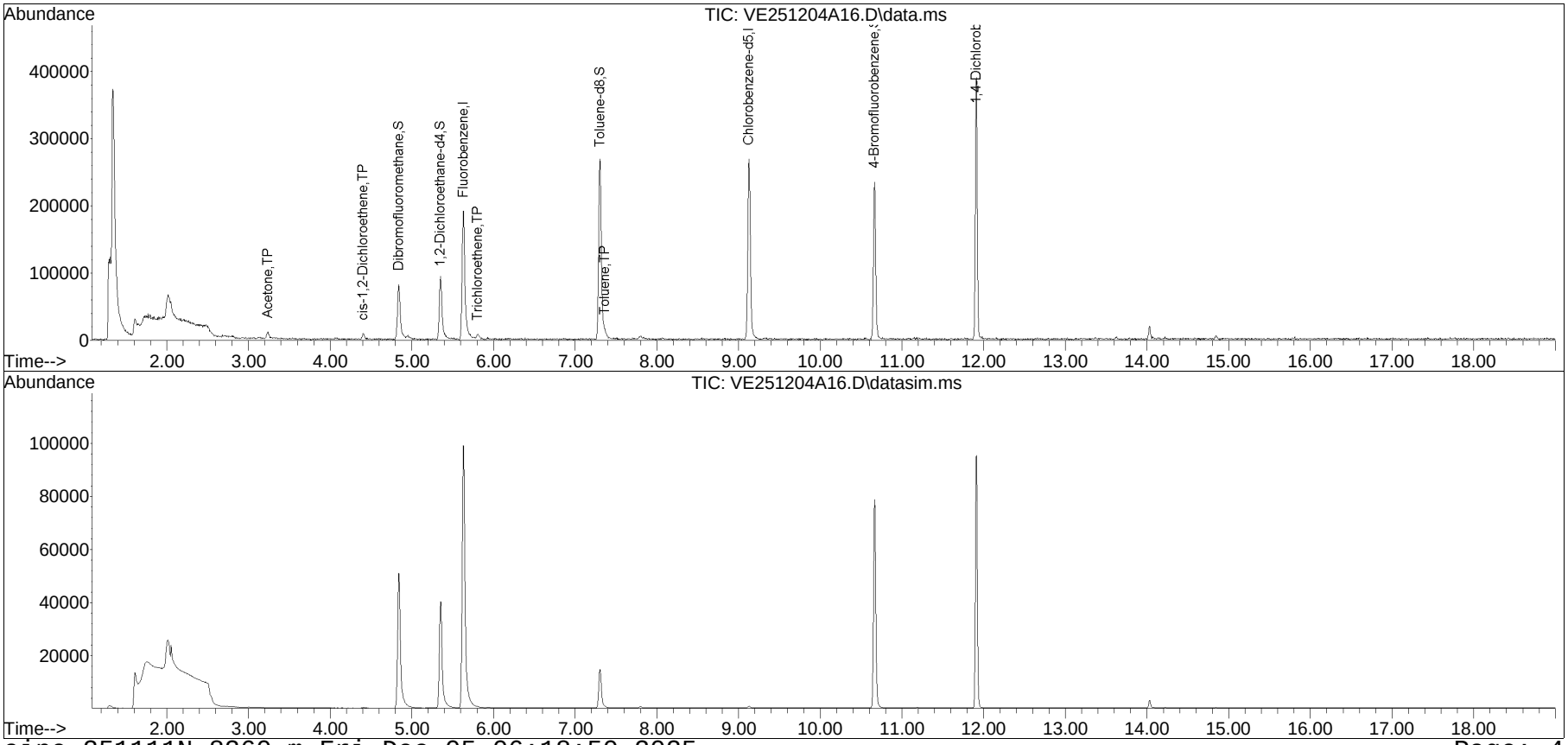
(#) = qualifier out of range (m) = manual integration (+) = signals summed

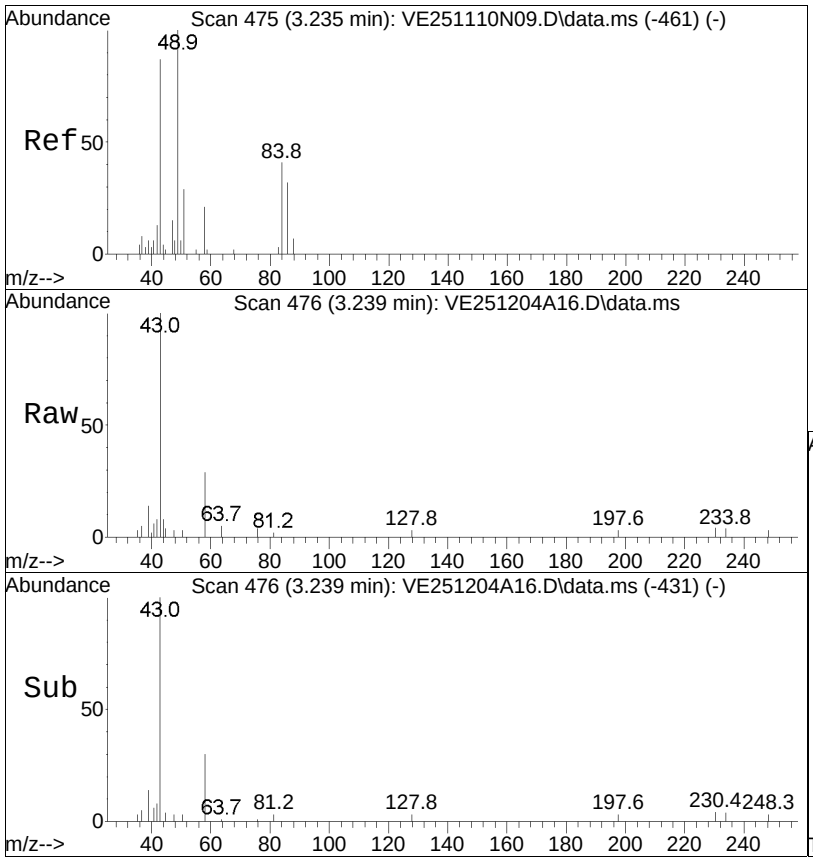
Quantitation Report (QT/LSC Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A16.D
Acq On : 4 Dec 2025 1:32 pm
Operator : ELAINE:MJV
Sample : L2575144-06,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 05 06:12:45 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox51204A01.D•

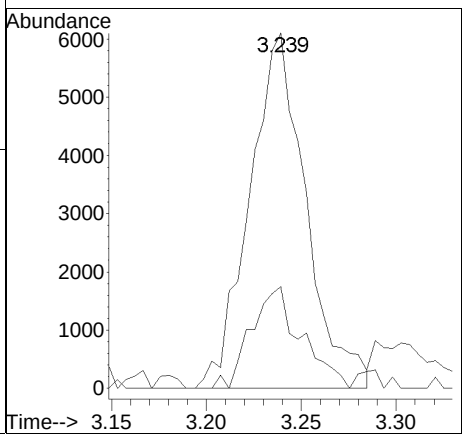


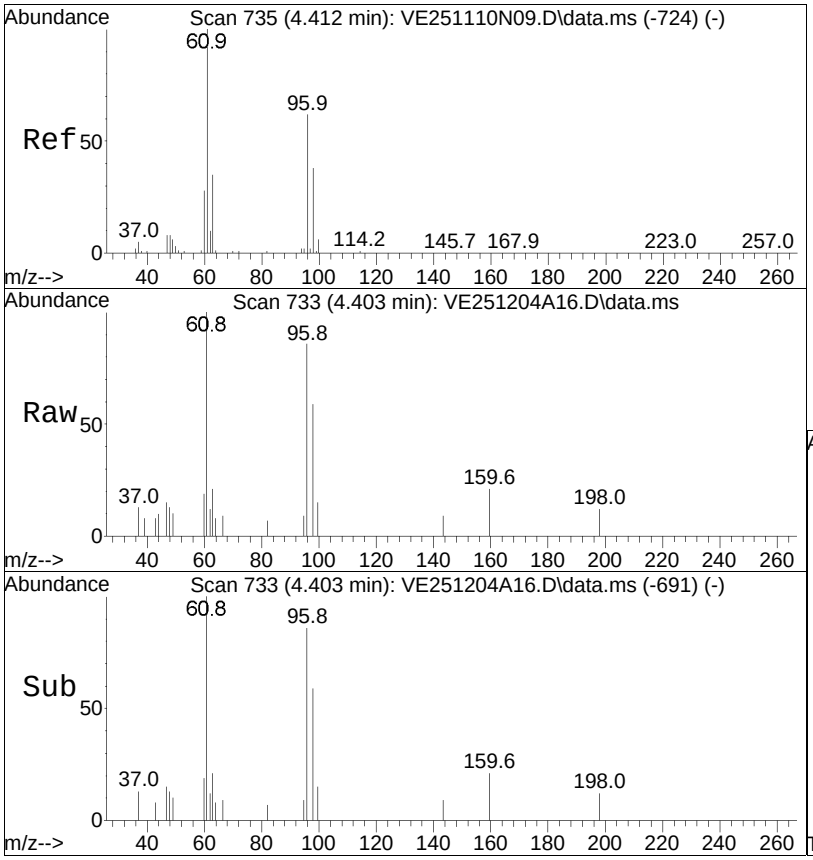


#17
Acetone
Concen: 7.88 ug/L
RT: 3.239 min Scan# 476
Delta R.T. 0.004 min
Lab File: VE251204A16.D
Acq: 4 Dec 2025 1:32 pm

Tgt Ion: 43 Resp: 12592

Ion	Ratio	Lower	Upper
43	100		
58	25.5	16.2	24.4#

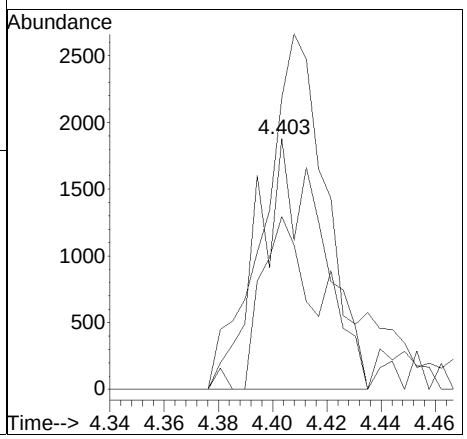


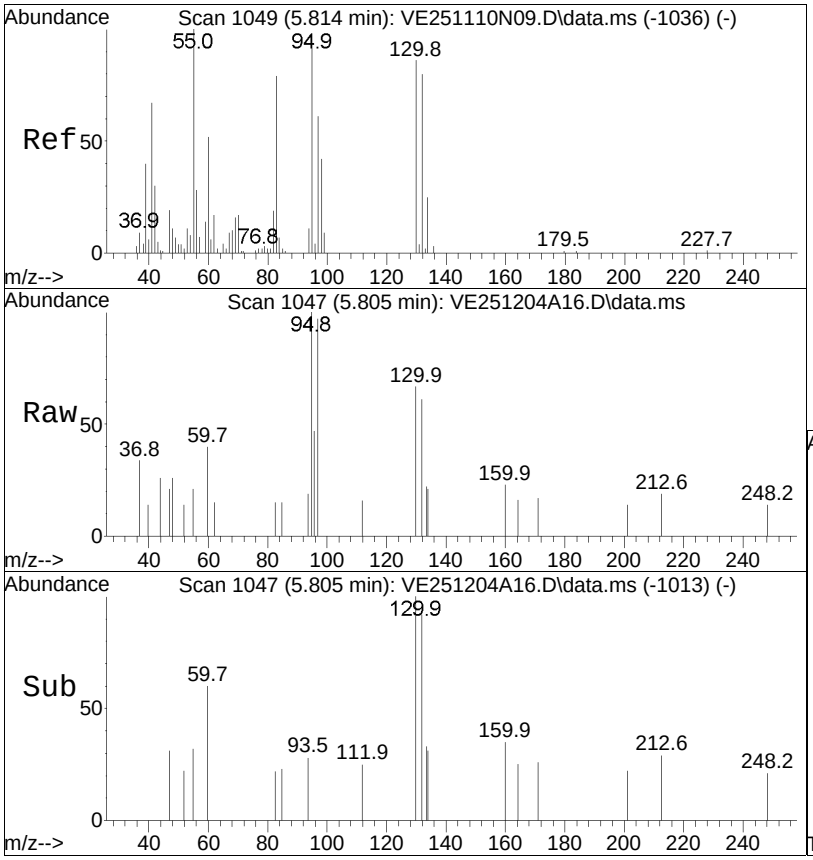


#30
cis-1,2-Dichloroethene
Concen: 0.67 ug/L
RT: 4.403 min Scan# 733
Delta R.T. -0.009 min
Lab File: VE251204A16.D
Acq: 4 Dec 2025 1:32 pm

Tgt Ion: 96 Resp: 3119

Ion	Ratio	Lower	Upper
96	100		
61	155.0	153.3	229.9
98	48.3	52.8	79.2#

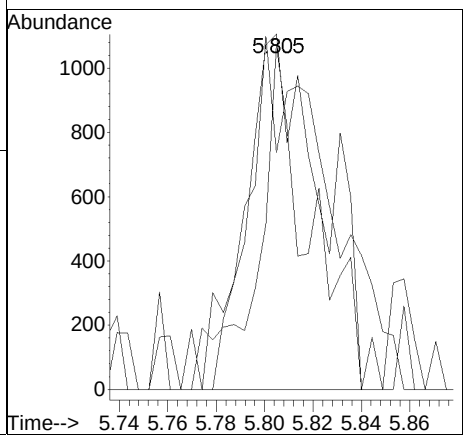


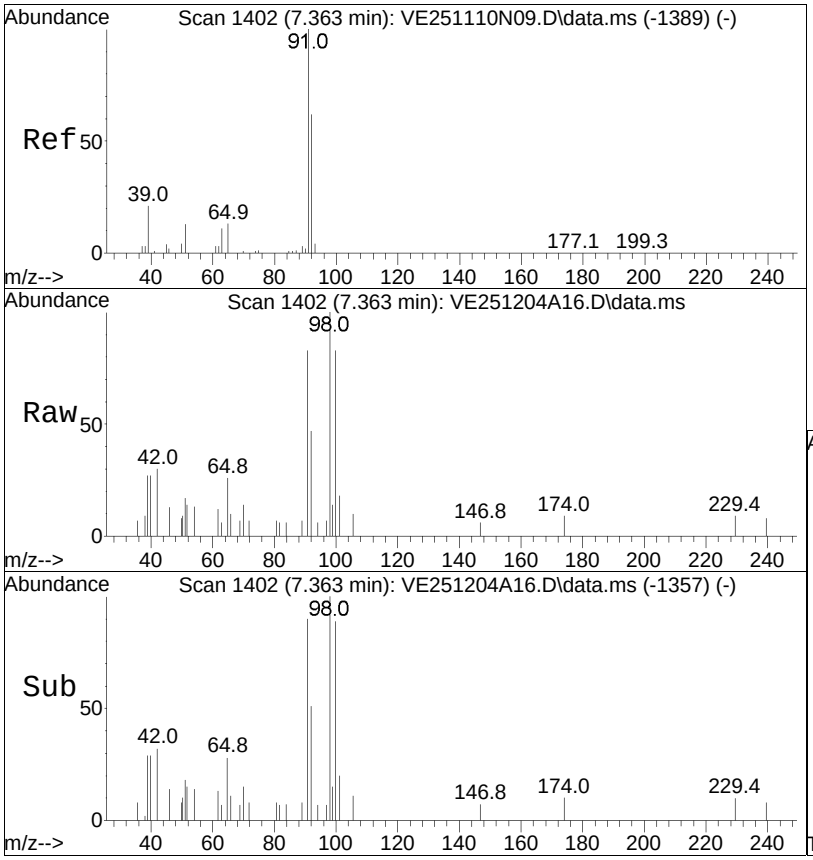


#52
Trichloroethene
Concen: 0.59 ug/L M1
RT: 5.805 min Scan# 1047
Delta R.T. -0.009 min
Lab File: VE251204A16.D
Acq: 4 Dec 2025 1:32 pm

Tgt Ion: 95 Resp: 2415

Ion	Ratio	Lower	Upper
95	100		
97	48.8	54.4	81.6#
130	39.2	73.7	110.5#

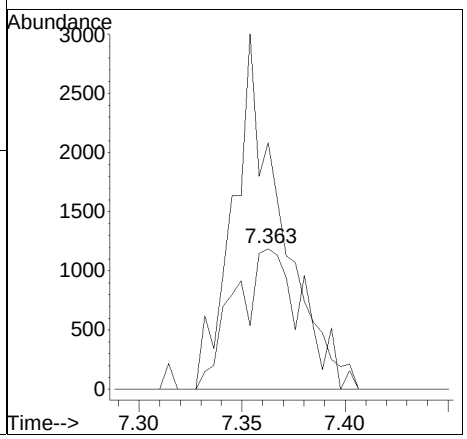




#65
Toluene
Concen: 0.24 ug/L
RT: 7.363 min Scan# 1402
Delta R.T. -0.000 min
Lab File: VE251204A16.D
Acq: 4 Dec 2025 1:32 pm

Tgt Ion: 92 Resp: 2781

Ion	Ratio	Lower	Upper
92	100		
91	173.7	136.4	204.6

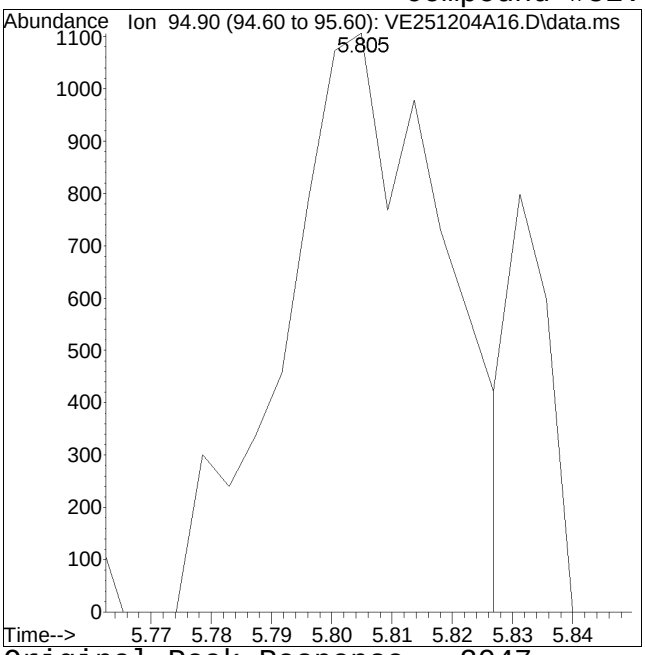


Manual Integration Report

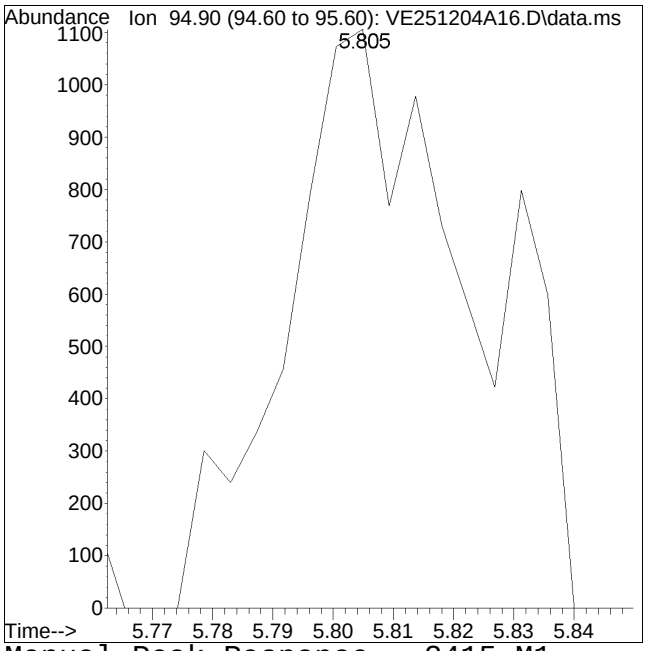
Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A16.D
Date Inj'd : 12/4/2025 1:32 pm
Sample : L2575144-06,31,10,10,,A

QMethod : Elaine_251111N_8260.m
Operator : ELAINE:MJV
Instrument : Elaine
Quant Date : 12/4/2025 4:39 pm

Compound #52: Trichloroethene



Original Peak Response = 2047



Manual Peak Response = 2415 M1

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

LSC Area Percent Report

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A16.D
Acq On : 4 Dec 2025 1:32 pm
Operator : ELAINE:MJV
Sample : L2575144-06,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 1 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VE251204A16.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.608	109	116	122	rBV3	24342	56037	8.61%	1.622%
2	2.016	198	206	212	rBV5	32212	82539	12.68%	2.390%
3	3.239	467	476	482	rBV	10594	20407	3.13%	0.591%
4	4.838	819	829	848	rBV2	81927	203603	31.28%	5.895%
5	5.353	934	944	959	rBV2	94405	221668	34.05%	6.418%
6	5.634	996	1008	1033	rBV2	192008	482287	74.09%	13.964%
7	7.301	1376	1388	1414	rBV2	268167	650950	100.00%	18.847%
8	9.127	1789	1804	1827	rBV3	268971	607767	93.37%	17.597%
9	10.664	2144	2154	2174	rBV	234752	456472	70.12%	13.216%
10	11.911	2427	2437	2451	rBV	389778	639973	98.31%	18.529%
11	14.034	2909	2919	2924	rBV6	19572	32153	4.94%	0.931%

Sum of corrected areas: 3453856

Signal : TIC: VE251204A16.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

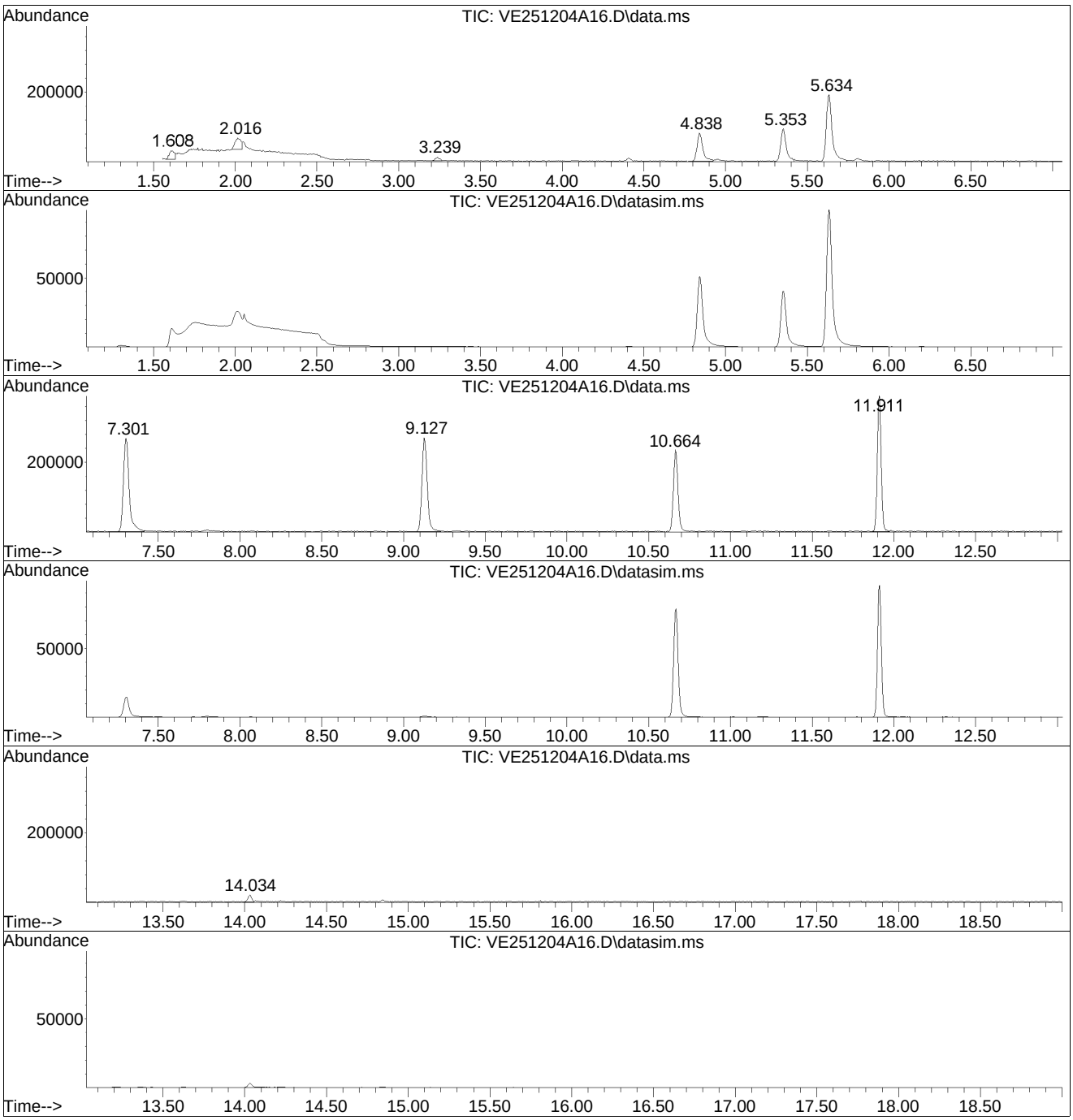
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A16.D
Acq On : 4 Dec 2025 1:32 pm
Operator : ELAINE:MJV
Sample : L2575144-06,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A16.D
Acq On : 4 Dec 2025 1:32 pm
Operator : ELAINE:MJV
Sample : L2575144-06,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

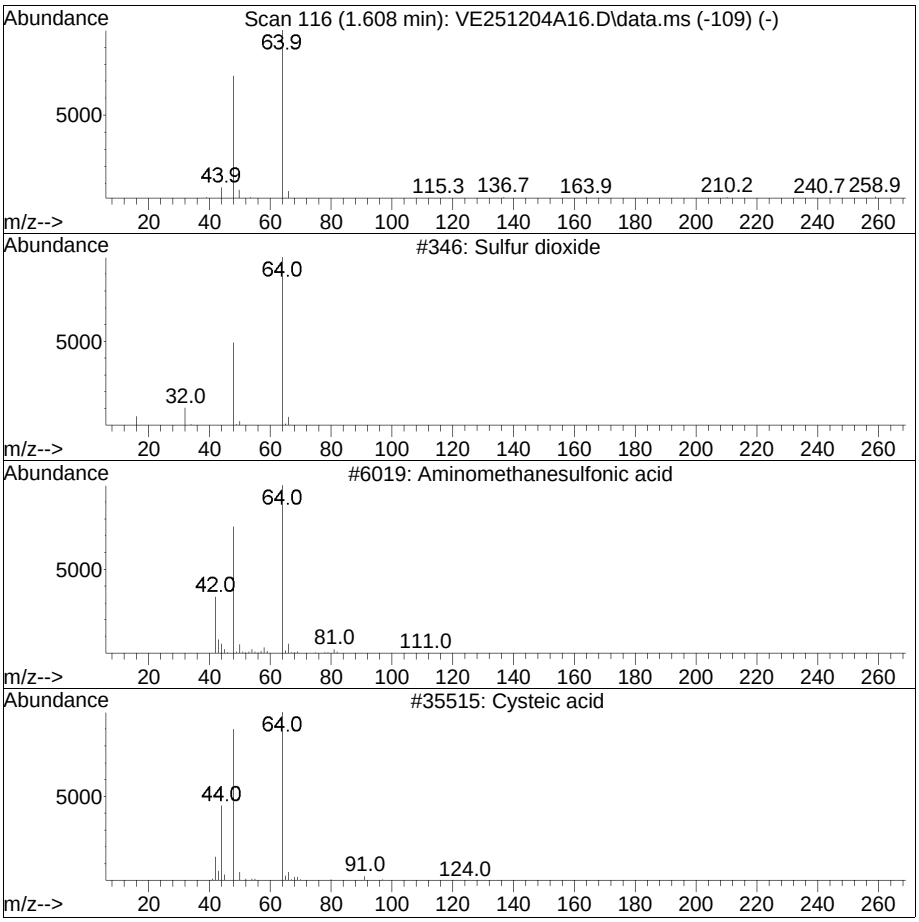
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

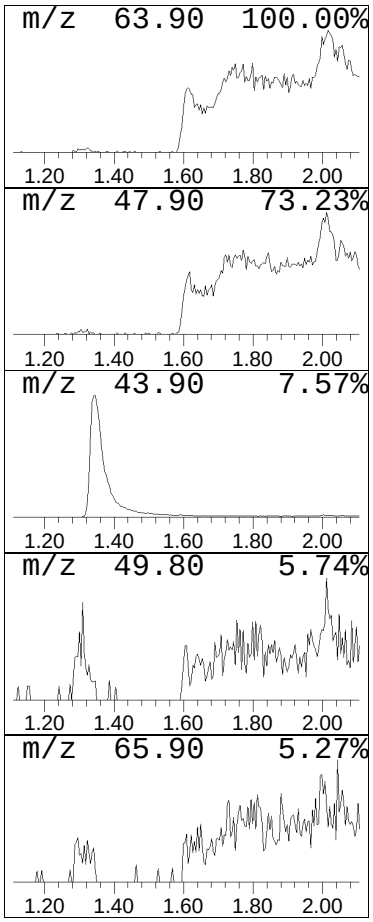
****

Peak Number 1 Sulfur dioxide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.608	1.16 ug/L	56037	Fluorobenzene	5.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	83
3	Cysteic acid	169	C3H7NO5S	1000131-23-1	74
4	Dibenzo[cd,g]indazole-3-sulfonic...	300	C14H8N2O4S	293765-87-4	74
5	Dihydropyrimidine-2-methyl thios...	208	C5H8N2O3S2	1000256-28-8	64





Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A16.D
Acq On : 4 Dec 2025 1:32 pm
Operator : ELAINE:MJV
Sample : L2575144-06,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

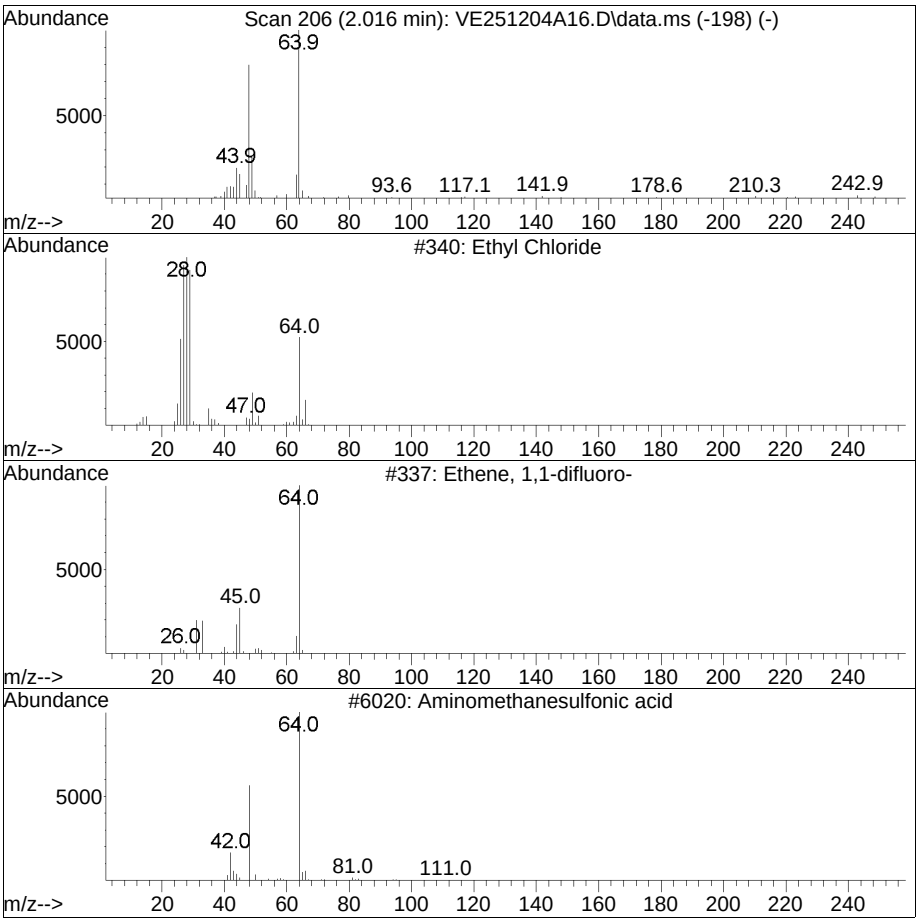
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

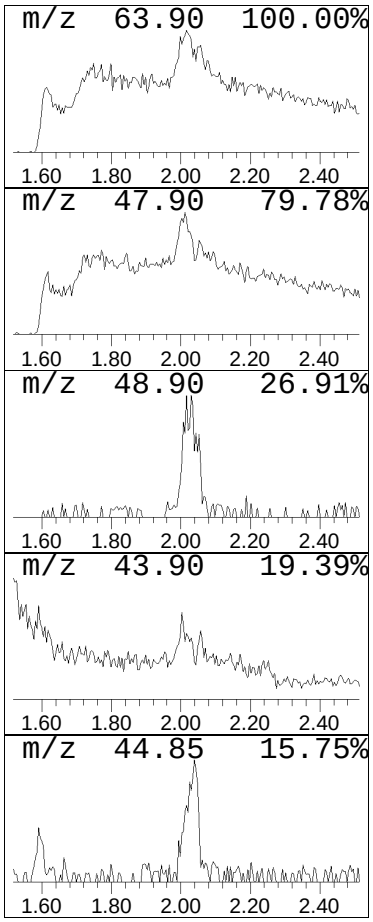
****

Peak Number 2 Unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.016	1.71 ug/L	82539	Fluorobenzene	5.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Chloride	64	C2H5Cl	000075-00-3	72
2	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	50
3	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	38
4	Thiosulfuric acid (H2S2O3), S-(2...	210	C5H10N2O3S2	040283-52-1	38
5	Sulfur dioxide	64	O2S	007446-09-5	9





Tentatively Identified Compound (LSC) summary

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A16.D
Acq On : 4 Dec 2025 1:32 pm
Operator : ELAINE:MJV
Sample : L2575144-06,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.608	1.2	ug/L	56037	1	5.629	482287	10.0
Unknown	2.016	1.7	ug/L	82539	1	5.629	482287	10.0

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A17.D
Acq On : 4 Dec 2025 1:56 pm
Operator : ELAINE:MJV
Sample : L2575144-07,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 05 06:10:10 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.629	96	186024	10.000	ug/L	0.00
Standard Area 1 = 228604			Recovery = 81.37%			
63) Chlorobenzene-d5	9.127	117	151648	10.000	ug/L	0.00
Standard Area 1 = 181694			Recovery = 83.46%			
84) 1,4-Dichlorobenzene-d4	11.911	152	83553	10.000	ug/L	0.00
Standard Area 1 = 98206			Recovery = 85.08%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.838	113	56832	11.084	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.84%			
47) 1,2-Dichloroethane-d4	5.349	65	77719	11.126	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.26%			
64) Toluene-d8	7.301	98	198692	9.790	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.90%			
88) 4-Bromofluorobenzene	10.668	95	77819	9.770	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.464	85	60	N.D.		
3) Chloromethane	1.640	50	397	N.D.		
4) Vinyl chloride	1.753	62	52	N.D.		
5) Bromomethane	1.989	94	277	0.095	ug/L	87
6) Chloroethane	0.000		0	N.D. d		
7) Trichlorofluoromethane	2.211	101	56	N.D.		
8) Ethyl ether	2.619	74	55	N.D.		
10) 1,1-Dichloroethene	2.678	96	92	N.D.		
11) Carbon disulfide	0.000		0	N.D. d		
15) Methylene chloride	3.189	84	48	N.D.		
17) Acetone	0.000		0	N.D. d		
18) trans-1,2-Dichloroethene	3.366	96	46	N.D.		
21) Methyl tert-butyl ether	3.448	73	51	N.D.		
25) 1,1-Dichloroethane	3.883	63	54	N.D.		
27) Acrylonitrile	3.937	53	49	N.D.		
29) Vinyl acetate	4.136	43	64	N.D.		
30) cis-1,2-Dichloroethene	4.413	96	630	0.133	ug/L #	74
31) 2,2-Dichloropropane	4.440	77	57	N.D.		
33) Bromochloromethane	4.548	128	44	N.D.		
35) Chloroform	4.657	83	42	Below Cal	#	2

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A17.D
Acq On : 4 Dec 2025 1:56 pm
Operator : ELAINE:MJV
Sample : L2575144-07,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 05 06:10:10 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	4.648	117	52	N.D.		
40) 1,1,1-Trichloroethane	4.807	97	63	N.D.		
42) 2-Butanone	0.000		0	N.D. d		
43) 1,1-Dichloropropene	4.911	75	42	N.D.		
45) Benzene	5.226	78	64	N.D.		
48) 1,2-Dichloroethane	5.445	62	55	N.D.		
52) Trichloroethene	5.818	95	4296	1.033	ug/L	97
54) Dibromomethane	6.169	93	55	N.D.		
55) 1,2-Dichloropropane	0.000		0	N.D. d		
58) Bromodichloromethane	0.000		0	N.D. d		
61) 1,4-Dioxane	0.000		0	N.D. d		
62) cis-1,3-Dichloropropene	6.990	75	53	N.D.		
65) Toluene	7.319	92	60	N.D.		
66) 4-Methyl-2-pentanone	7.788	58	82	N.D.		
67) Tetrachloroethene	0.000		0	N.D. d		
69) trans-1,3-Dichloropropene	0.000		0	N.D. d		
72) 1,1,2-Trichloroethane	8.047	83	70	N.D.		
73) Chlorodibromomethane	8.245	129	51	N.D.		
74) 1,3-Dichloropropane	8.315	76	48	N.D.		
75) 1,2-Dibromoethane	8.679	107	56	N.D.		
77) 2-Hexanone	8.736	43	122	N.D.		
78) Chlorobenzene	9.241	112	41	N.D.		
79) Ethylbenzene	9.197	91	83	N.D.		
80) 1,1,1,2-Tetrachloroethane	9.276	131	46	N.D.		
81) p/m Xylene	9.381	106	145	N.D.		
82) o Xylene	9.925	106	39	N.D.		
83) Styrene	10.000	104	48	N.D.		
85) Bromoform	0.000		0	N.D. d		
87) Isopropylbenzene	10.316	105	141	N.D.		
89) Bromobenzene	10.814	156	50	N.D.		
90) n-Propylbenzene	10.845	91	46	N.D.		
92) 1,1,2,2-Tetrachloroethane	11.074	83	62	N.D.		
93) 4-Ethyltoluene	10.941	105	41	N.D.		
94) 2-Chlorotoluene	10.999	91	92	N.D.		
95) 1,3,5-Trimethylbenzene	11.091	105	92	N.D.		
96) 1,2,3-Trichloropropane	11.065	75	96	N.D.		
97) trans-1,4-Dichloro-2-b...	11.144	53	51	N.D.		
98) 4-Chlorotoluene	11.206	91	60	N.D.		
99) tert-Butylbenzene	11.593	119	153	N.D.		

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A17.D
Acq On : 4 Dec 2025 1:56 pm
Operator : ELAINE:MJV
Sample : L2575144-07,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 05 06:10:10 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.497	105	88	N.D.		
103) sec-Butylbenzene	11.585	105	56	N.D.		
104) p-Isopropyltoluene	11.765	119	121	N.D.		
105) 1,3-Dichlorobenzene	11.911	146	210	N.D.		
106) 1,4-Dichlorobenzene	11.928	146	118	N.D.		
107) p-Diethylbenzene	12.175	119	40	N.D.		
108) n-Butylbenzene	12.259	91	49	N.D.		
109) 1,2-Dichlorobenzene	12.356	146	101	N.D.		
110) 1,2,4,5-Tetramethylben...	12.990	119	54	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	d	
113) Hexachlorobutadiene	0.000		0	N.D.	d	
114) 1,2,4-Trichlorobenzene	13.629	180	40	N.D.		
115) Naphthalene	14.078	128	107	N.D.		
116) 1,2,3-Trichlorobenzene	14.144	180	43	N.D.		

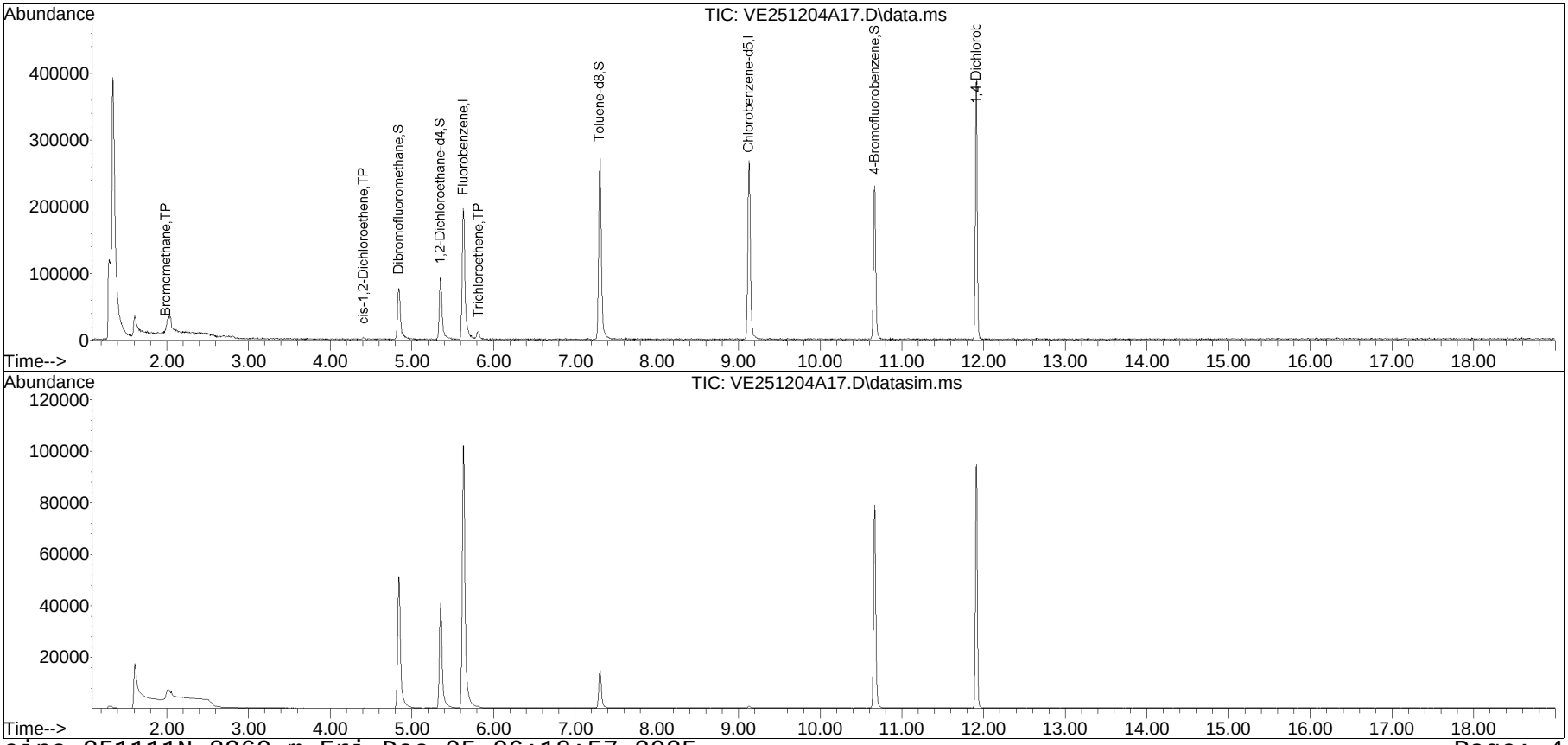
(#) = qualifier out of range (m) = manual integration (+) = signals summed

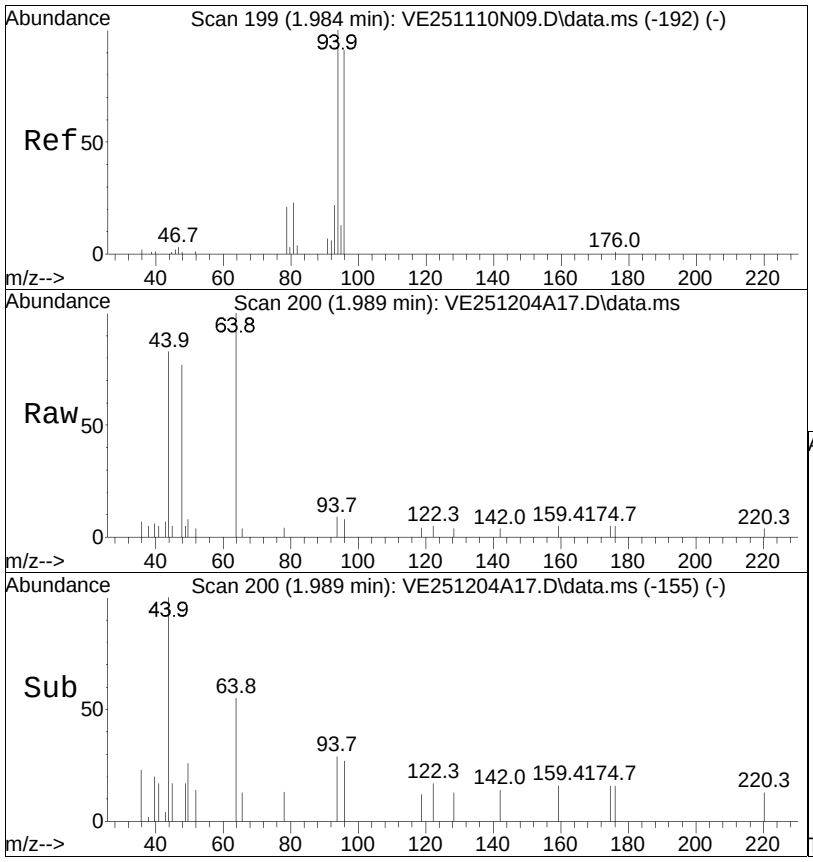
Quantitation Report (QT/LSC Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A17.D
Acq On : 4 Dec 2025 1:56 pm
Operator : ELAINE:MJV
Sample : L2575144-07,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 05 06:10:10 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox51204A01.D•

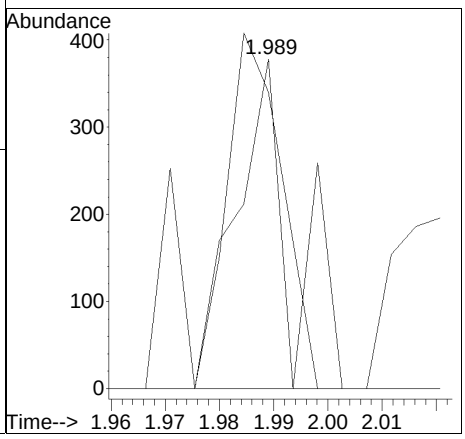


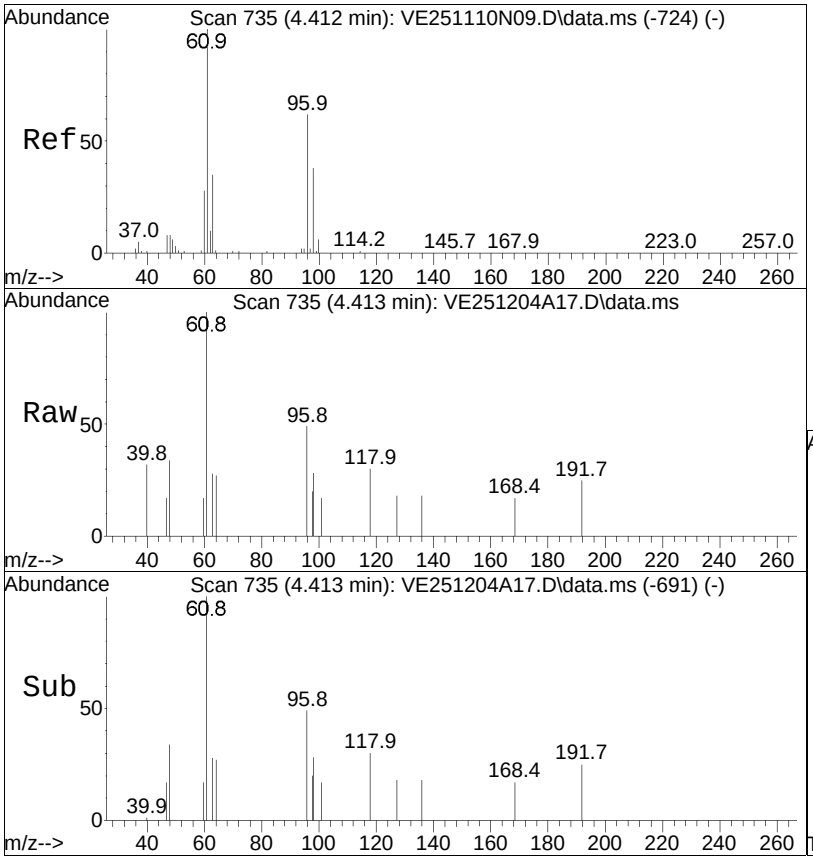


#5
Bromomethane
Concen: 0.10 ug/L
RT: 1.989 min Scan# 200
Delta R.T. 0.005 min
Lab File: VE251204A17.D
Acq: 4 Dec 2025 1:56 pm

Tgt Ion: 94 Resp: 277

Ion	Ratio	Lower	Upper
94	100		
96	104.7	71.9	111.9

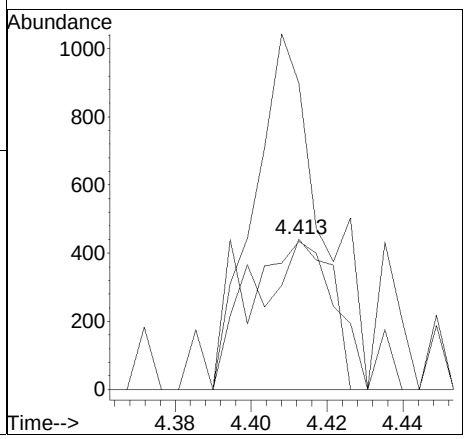


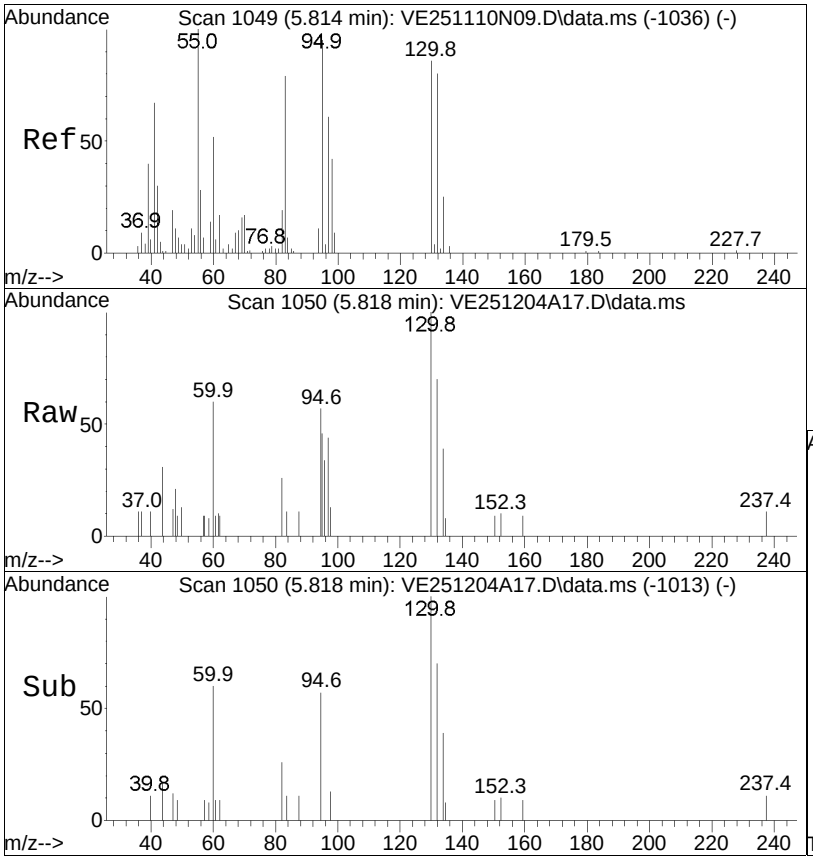


#30
cis-1,2-Dichloroethene
Concen: 0.13 ug/L
RT: 4.413 min Scan# 735
Delta R.T. 0.001 min
Lab File: VE251204A17.D
Acq: 4 Dec 2025 1:56 pm

Tgt Ion: 96 Resp: 630

Ion	Ratio	Lower	Upper
96	100		
61	212.9	153.3	229.9
98	114.0	52.8	79.2#

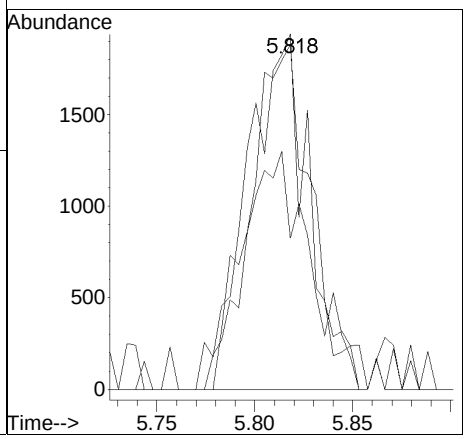




#52
Trichloroethene
Concen: 1.03 ug/L
RT: 5.818 min Scan# 1050
Delta R.T. 0.004 min
Lab File: VE251204A17.D
Acq: 4 Dec 2025 1:56 pm

Tgt Ion: 95 Resp: 4296

Ion	Ratio	Lower	Upper
95	100		
97	70.2	54.4	81.6
130	95.7	73.7	110.5



Manual Integration Report

Data Path	: K:\Elaine\2025\251204A\	QMethod	: Elaine_251111N_8260.m
Data File	: VE251204A17.D	Operator	: ELAINE:MJV
Date Inj'd	: 12/4/2025 1:56 pm	Instrument	: Elaine
Sample	: L2575144-07,31,10,10,,A	Quant Date	: 12/4/2025 4:39 pm

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

LSC Area Percent Report

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A17.D
Acq On : 4 Dec 2025 1:56 pm
Operator : ELAINE:MJV
Sample : L2575144-07,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 1 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VE251204A17.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.609	109	116	128	rBV2	30831	84576	13.25%	2.503%
2	2.021	196	207	209	rBV8	26311	54925	8.61%	1.625%
3	4.838	818	829	854	rBV3	76735	201670	31.60%	5.968%
4	5.349	933	943	967	rBV2	93211	232403	36.42%	6.877%
5	5.629	997	1007	1027	rBV	195791	474463	74.35%	14.040%
6	5.818	1041	1050	1059	rVB5	11780	26529	4.16%	0.785%
7	7.301	1374	1388	1416	rBV2	275406	638158	100.00%	18.884%
8	9.131	1791	1805	1823	rBV	268518	598670	93.81%	17.716%
9	10.664	2143	2154	2173	rBV2	230205	442564	69.35%	13.096%
10	11.911	2426	2437	2452	rBV	388564	625371	98.00%	18.506%

Sum of corrected areas: 3379329

Signal : TIC: VE251204A17.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

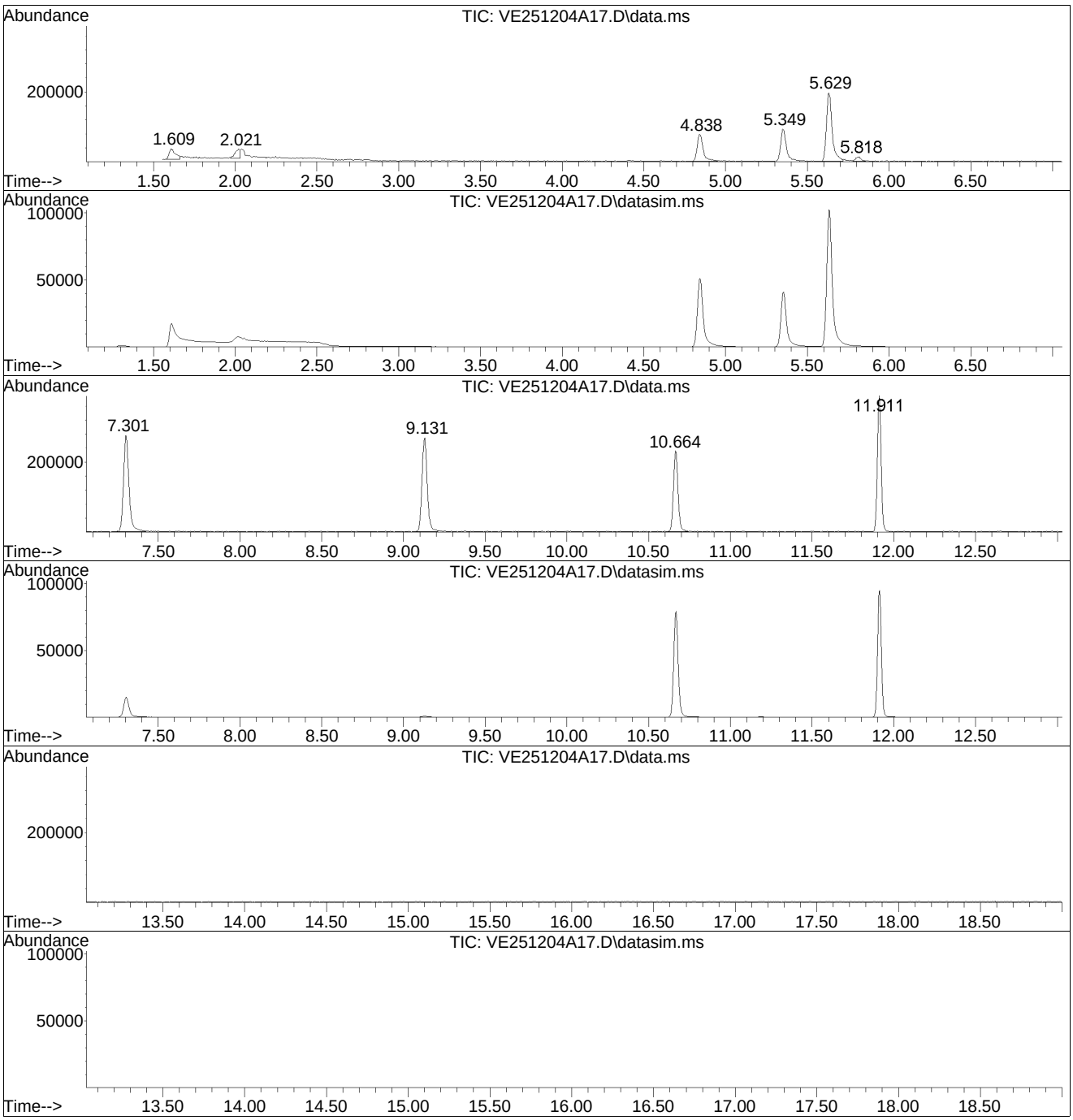
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A17.D
Acq On : 4 Dec 2025 1:56 pm
Operator : ELAINE:MJV
Sample : L2575144-07,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A17.D
Acq On : 4 Dec 2025 1:56 pm
Operator : ELAINE:MJV
Sample : L2575144-07,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

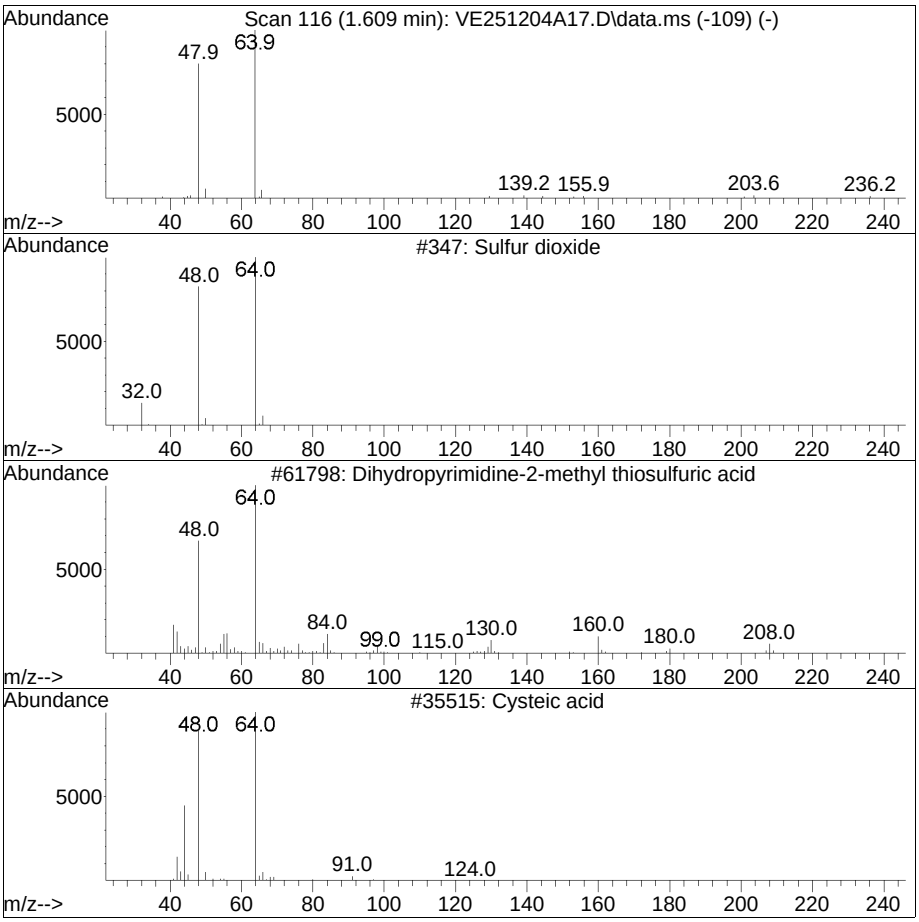
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

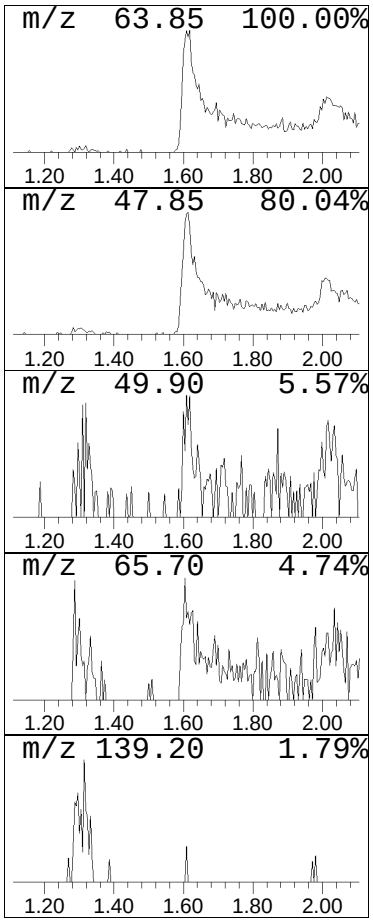
****

Peak Number 1 Unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.609	1.78 ug/L	84576	Fluorobenzene	5.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	74
2	Dihydropyrimidine-2-methyl thios...	208	C5H8N2O3S2	1000256-28-8	64
3	Cysteic acid	169	C3H7NO5S	1000131-23-1	64
4	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
5	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	7





Tentatively Identified Compound (LSC) summary

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A17.D
Acq On : 4 Dec 2025 1:56 pm
Operator : ELAINE:MJV
Sample : L2575144-07,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown	1.609	1.8	ug/L	84576	1	5.629	474463	10.0

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A18.D
Acq On : 4 Dec 2025 2:21 pm
Operator : ELAINE:MJV
Sample : L2575144-08,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 05 06:10:58 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.634	96	183888	10.000 ug/L	0.00
Standard Area 1 = 228604			Recovery = 80.44%		
63) Chlorobenzene-d5	9.127	117	153401	10.000 ug/L	0.00
Standard Area 1 = 181694			Recovery = 84.43%		
84) 1,4-Dichlorobenzene-d4	11.911	152	82006	10.000 ug/L	0.00
Standard Area 1 = 98206			Recovery = 83.50%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.843	113	55789	11.007 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.07%		
47) 1,2-Dichloroethane-d4	5.353	65	75437	10.925 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.25%		
64) Toluene-d8	7.301	98	196079	9.551 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.51%		
88) 4-Bromofluorobenzene	10.664	95	77072	9.859 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.59%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.391	85	53	N.D.	
3) Chloromethane	0.000		0	N.D. d	
4) Vinyl chloride	1.704	62	10729	1.710 ug/L #	44
5) Bromomethane	1.984	94	134	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	2.225	101	50	N.D.	
8) Ethyl ether	2.487	74	41	N.D.	
10) 1,1-Dichloroethene	2.809	96	126	N.D.	
11) Carbon disulfide	0.000		0	N.D. d	
15) Methylene chloride	3.189	84	42	N.D.	
17) Acetone	3.239	43	2133	1.322 ug/L	94
18) trans-1,2-Dichloroethene	3.266	96	45	N.D.	
21) Methyl tert-butyl ether	3.452	73	48	N.D.	
25) 1,1-Dichloroethane	3.896	63	53	N.D.	
27) Acrylonitrile	3.937	53	118	N.D.	
29) Vinyl acetate	4.150	43	241	N.D.	
30) cis-1,2-Dichloroethene	4.413	96	947M3	0.202 ug/L	
31) 2,2-Dichloropropane	4.517	77	46	N.D.	
33) Bromochloromethane	0.000		0	N.D.	
35) Chloroform	4.662	83	43	Below Cal #	30

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A18.D
Acq On : 4 Dec 2025 2:21 pm
Operator : ELAINE:MJV
Sample : L2575144-08,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 05 06:10:58 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	4.793	117	45	N.D.		
40) 1,1,1-Trichloroethane	4.897	97	56	N.D.		
42) 2-Butanone	0.000		0	N.D.	d	
43) 1,1-Dichloropropene	5.124	75	47	N.D.		
45) Benzene	5.221	78	329	N.D.		
48) 1,2-Dichloroethane	5.524	62	49	N.D.		
52) Trichloroethene	0.000		0	N.D.	d	
54) Dibromomethane	0.000		0	N.D.		
55) 1,2-Dichloropropane	6.411	63	50	N.D.		
58) Bromodichloromethane	6.428	83	43	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.	d	
62) cis-1,3-Dichloropropene	7.126	75	67	N.D.		
65) Toluene	7.376	92	49	N.D.		
66) 4-Methyl-2-pentanone	7.797	58	50	N.D.		
67) Tetrachloroethene	0.000		0	N.D.	d	
69) trans-1,3-Dichloropropene	0.000		0	N.D.	d	
72) 1,1,2-Trichloroethane	8.078	83	42	N.D.		
73) Chlorodibromomethane	8.249	129	51	N.D.		
74) 1,3-Dichloropropane	8.341	76	53	N.D.		
75) 1,2-Dibromoethane	8.499	107	69	N.D.		
77) 2-Hexanone	8.802	43	49	N.D.		
78) Chlorobenzene	9.052	112	61	N.D.		
79) Ethylbenzene	9.359	91	194	N.D.		
80) 1,1,1,2-Tetrachloroethane	9.342	131	53	N.D.		
81) p/m Xylene	9.372	106	107	N.D.		
82) o Xylene	9.881	106	43	N.D.		
83) Styrene	0.000		0	N.D.		
85) Bromoform	0.000		0	N.D.		
87) Isopropylbenzene	0.000		0	N.D.		
89) Bromobenzene	10.660	156	51	N.D.		
90) n-Propylbenzene	10.668	91	300	N.D.		
92) 1,1,2,2-Tetrachloroethane	10.937	83	52	N.D.		
93) 4-Ethyltoluene	10.955	105	45	N.D.		
94) 2-Chlorotoluene	10.981	91	106	N.D.		
95) 1,3,5-Trimethylbenzene	11.060	105	59	N.D.		
96) 1,2,3-Trichloropropane	10.893	75	53	N.D.		
97) trans-1,4-Dichloro-2-b...	11.105	53	51	N.D.		
98) 4-Chlorotoluene	11.096	91	153	N.D.		
99) tert-Butylbenzene	11.404	119	333	N.D.		

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A18.D
Acq On : 4 Dec 2025 2:21 pm
Operator : ELAINE:MJV
Sample : L2575144-08,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 05 06:10:58 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.510	105	173	N.D.		
103) sec-Butylbenzene	11.602	105	113	N.D.		
104) p-Isopropyltoluene	11.761	119	67	N.D.		
105) 1,3-Dichlorobenzene	11.840	146	76	N.D.		
106) 1,4-Dichlorobenzene	11.906	146	177	N.D.		
107) p-Diethylbenzene	12.281	119	40	N.D.		
108) n-Butylbenzene	12.206	91	68	N.D.		
109) 1,2-Dichlorobenzene	12.351	146	53	N.D.		
110) 1,2,4,5-Tetramethylben...	12.832	119	41	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	d	
113) Hexachlorobutadiene	0.000		0	N.D.	d	
114) 1,2,4-Trichlorobenzene	13.832	180	45	N.D.		
115) Naphthalene	14.070	128	109	N.D.		
116) 1,2,3-Trichlorobenzene	14.391	180	43	N.D.		

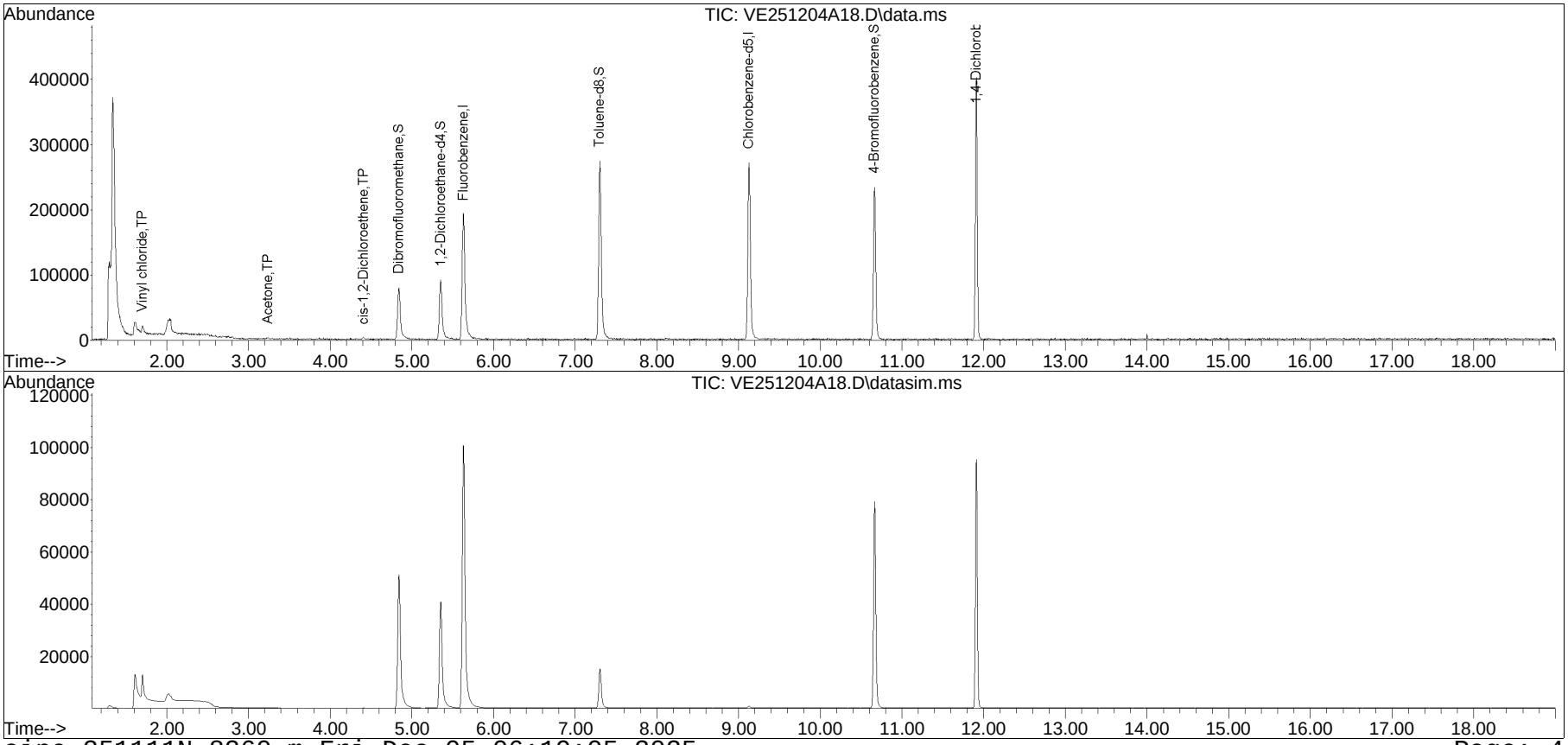
(#) = qualifier out of range (m) = manual integration (+) = signals summed

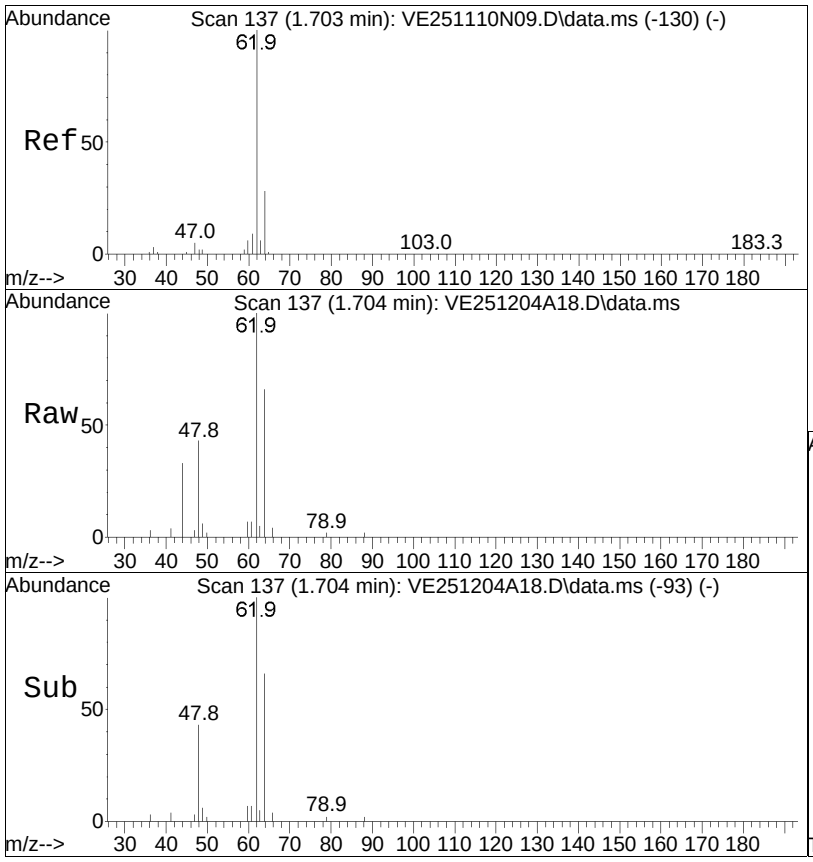
Quantitation Report (QT/LSC Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A18.D
Acq On : 4 Dec 2025 2:21 pm
Operator : ELAINE:MJV
Sample : L2575144-08,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 05 06:10:58 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox51204A01.D•

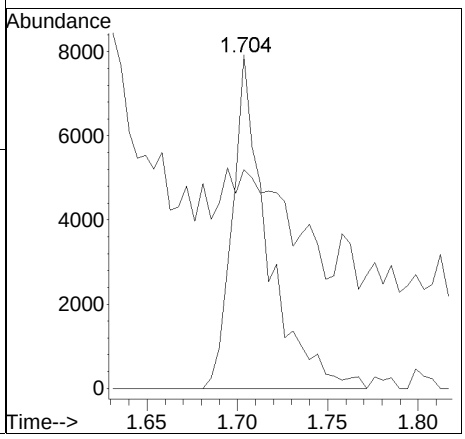


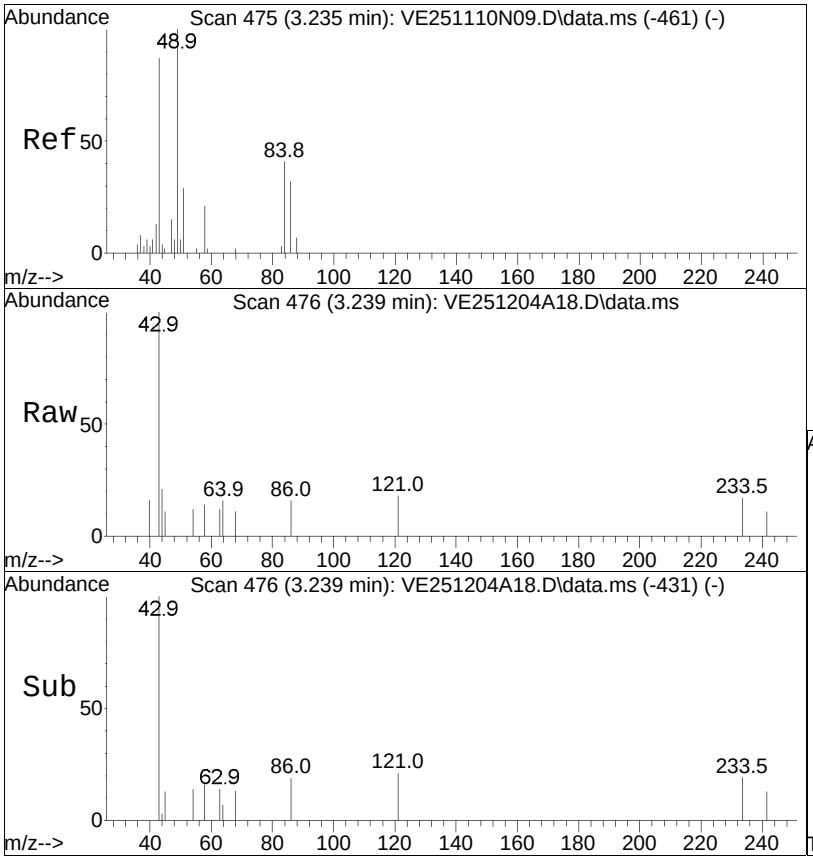


#4
Vinyl chloride
Concen: 1.71 ug/L
RT: 1.704 min Scan# 137
Delta R.T. 0.001 min
Lab File: VE251204A18.D
Acq: 4 Dec 2025 2:21 pm

Tgt Ion: 62 Resp: 10729

Ion	Ratio	Lower	Upper
62	100		
64	0.0	10.6	50.6#

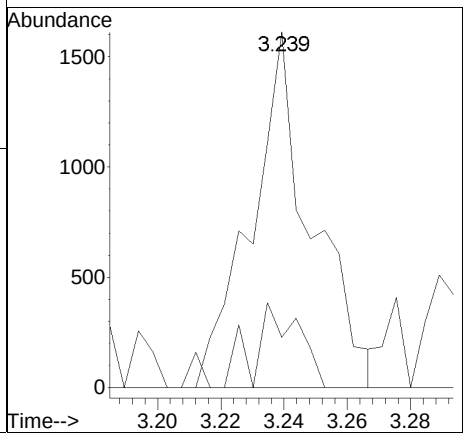


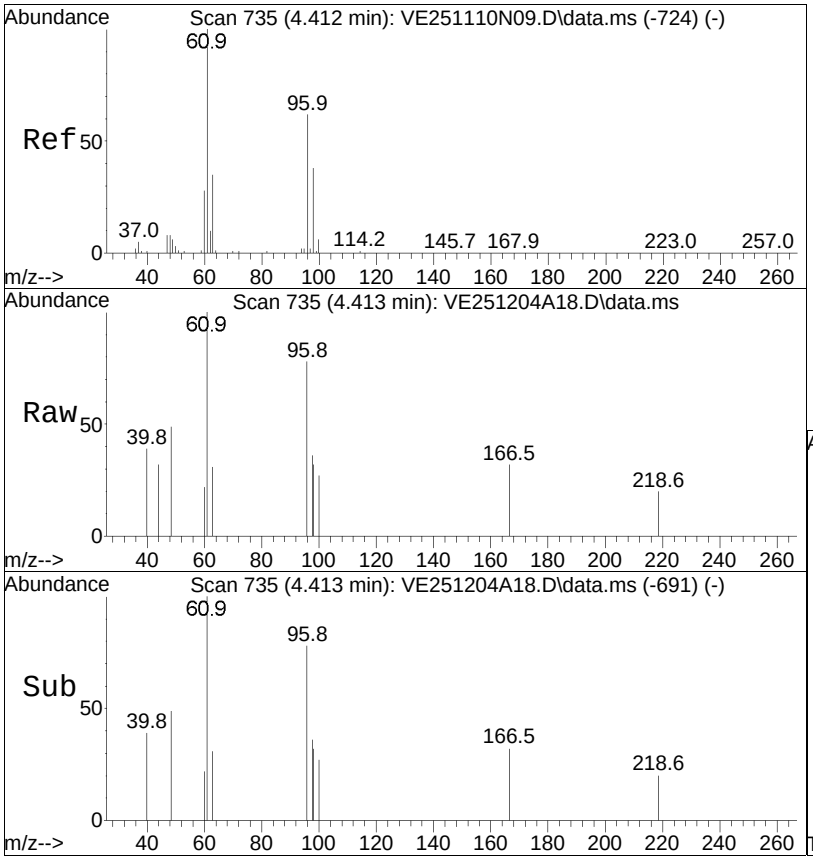


#17
Acetone
Concen: 1.32 ug/L
RT: 3.239 min Scan# 476
Delta R.T. 0.004 min
Lab File: VE251204A18.D
Acq: 4 Dec 2025 2:21 pm

Tgt Ion: 43 Resp: 2133

Ion	Ratio	Lower	Upper
43	100		
58	17.7	16.2	24.4

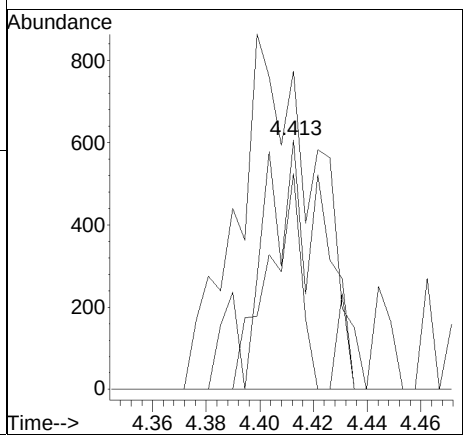




#30
cis-1,2-Dichloroethene
Concen: 0.20 ug/L M3
RT: 4.413 min Scan# 735
Delta R.T. 0.001 min
Lab File: VE251204A18.D
Acq: 4 Dec 2025 2:21 pm

Tgt Ion: 96 Resp: 947

Ion	Ratio	Lower	Upper
96	100		
61	182.9	153.3	229.9
98	47.6	52.8	79.2#

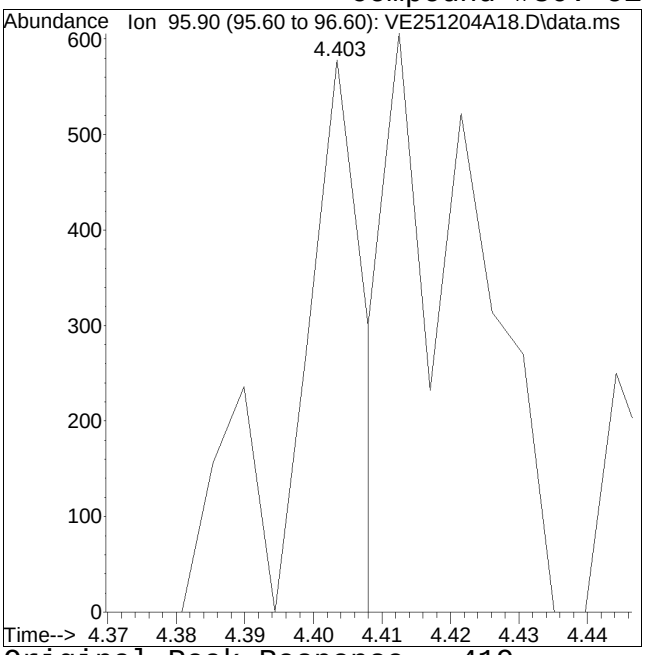


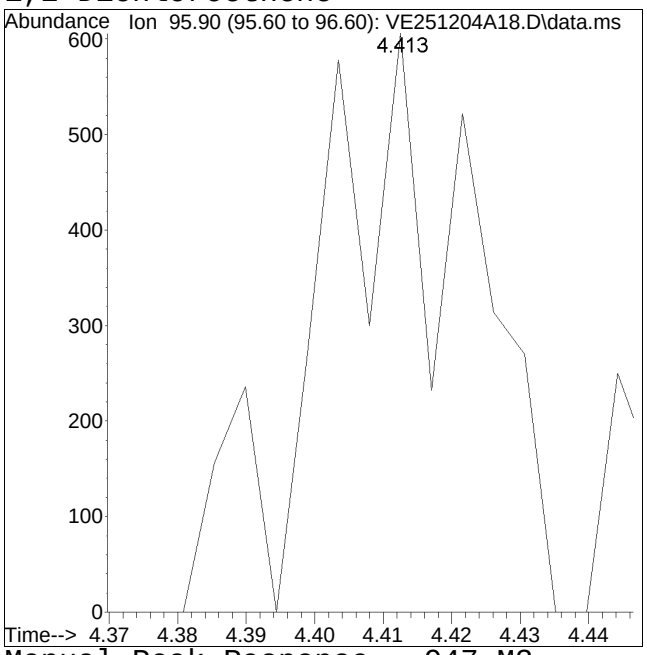
Manual Integration Report

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A18.D
Date Inj'd : 12/4/2025 2:21 pm
Sample : L2575144-08,31,10,10,,A

QMethod : Elaine_251111N_8260.m
Operator : ELAINE:MJV
Instrument : Elaine
Quant Date : 12/4/2025 4:39 pm

Compound #30: cis-1,2-Dichloroethene





Original Peak Response = 419 Manual Peak Response = 947 M3

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

LSC Area Percent Report

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A18.D
Acq On : 4 Dec 2025 2:21 pm
Operator : ELAINE:MJV
Sample : L2575144-08,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 1 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VE251204A18.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.617	110	118	124	rBV4	20519	48078	7.64%	1.443%
2	1.704	133	137	147	rVB2	12934	23053	3.67%	0.692%
3	2.016	196	206	209	rBV4	22318	46661	7.42%	1.401%
4	4.843	819	830	855	rBV3	79075	200323	31.85%	6.013%
5	5.353	933	944	969	rBV	91521	229319	36.46%	6.883%
6	5.629	996	1007	1034	rBV2	193765	480381	76.38%	14.419%
7	7.301	1375	1388	1417	rBV	273671	628920	100.00%	18.878%
8	9.127	1792	1804	1824	rBV2	271465	603204	95.91%	18.106%
9	10.664	2144	2154	2171	rBV	234220	449530	71.48%	13.493%
10	11.911	2426	2437	2450	rBV	401782	622038	98.91%	18.671%

Sum of corrected areas: 3331507

Signal : TIC: VE251204A18.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

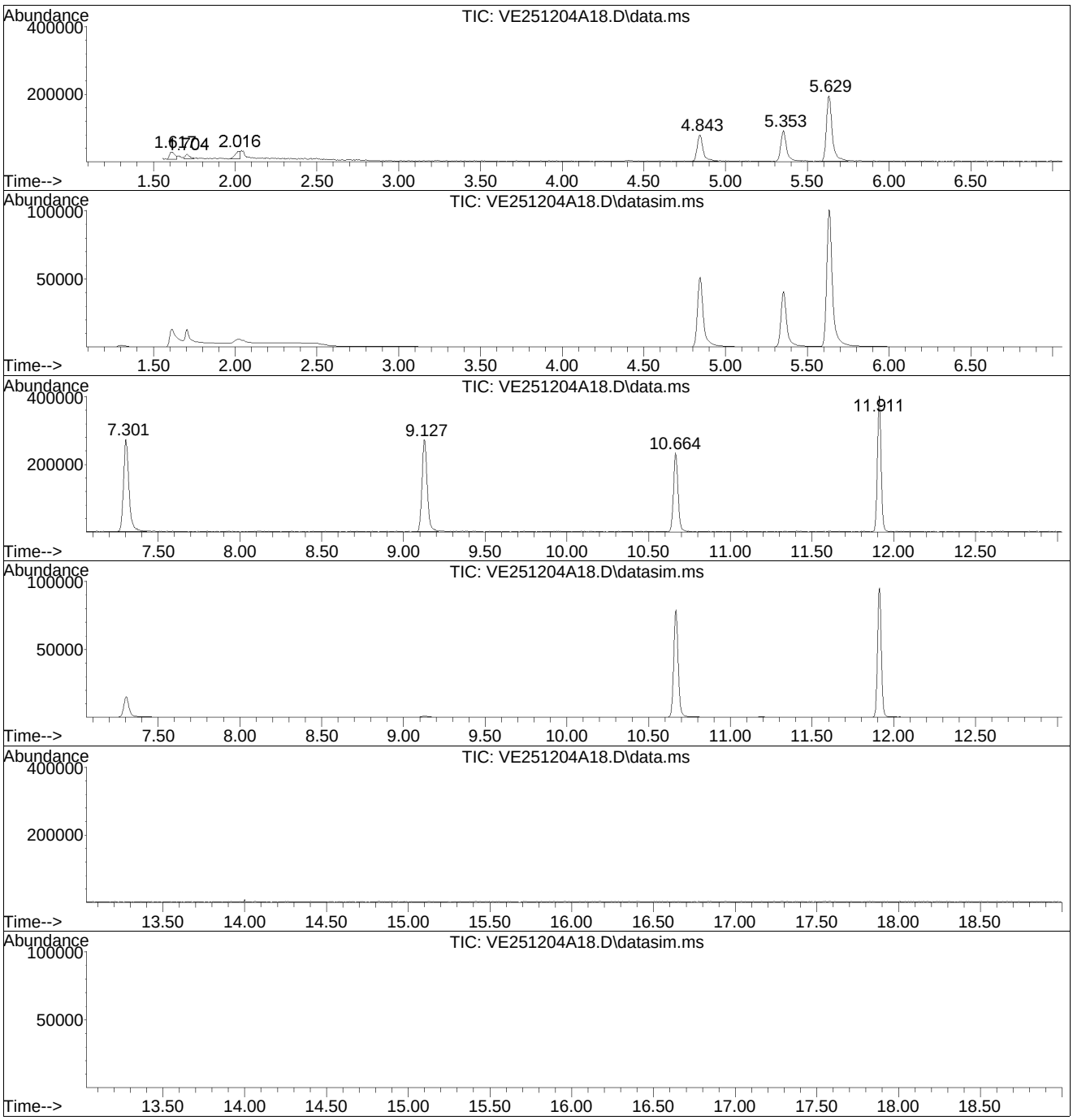
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A18.D
Acq On : 4 Dec 2025 2:21 pm
Operator : ELAINE:MJV
Sample : L2575144-08,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A18.D
Acq On : 4 Dec 2025 2:21 pm
Operator : ELAINE:MJV
Sample : L2575144-08,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

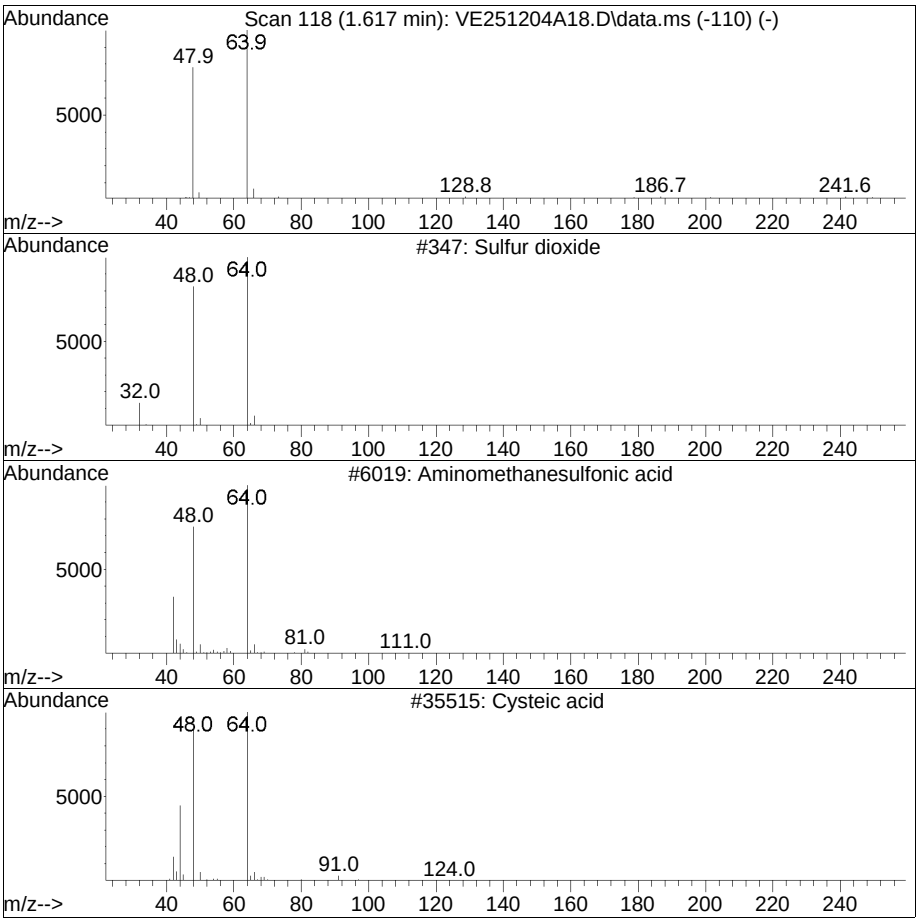
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

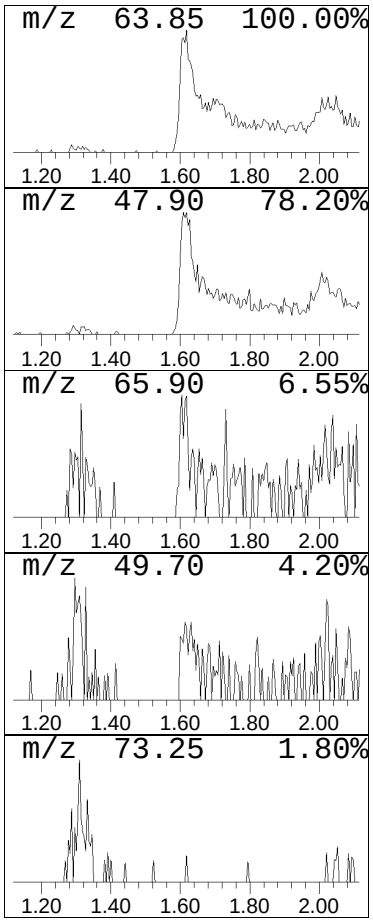
****

Peak Number 1 Unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.617	1.00 ug/L	48078	Fluorobenzene	5.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	74
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
3	Cysteic acid	169	C3H7NO5S	1000131-23-1	64
4	Dihydropyrimidine-2-methyl thios...	208	C5H8N2O3S2	1000256-28-8	64
5	Thiosulfuric acid (H2S2O3), S-(2...	320	C11H16N2O3S3	040284-00-2	9





Tentatively Identified Compound (LSC) summary

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A18.D
Acq On : 4 Dec 2025 2:21 pm
Operator : ELAINE:MJV
Sample : L2575144-08,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown	1.617	1.0	ug/L	48078	1	5.634	480381	10.0

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A19.D
Acq On : 4 Dec 2025 2:46 pm
Operator : ELAINE:MJV
Sample : L2575144-09,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 05 06:11:50 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.629	96	185380	10.000 ug/L	0.00
Standard Area 1 = 228604			Recovery = 81.09%		
63) Chlorobenzene-d5	9.127	117	154549	10.000 ug/L	0.00
Standard Area 1 = 181694			Recovery = 85.06%		
84) 1,4-Dichlorobenzene-d4	11.911	152	81841	10.000 ug/L	0.00
Standard Area 1 = 98206			Recovery = 83.34%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.838	113	56459	11.050 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.50%		
47) 1,2-Dichloroethane-d4	5.353	65	77673	11.158 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.58%		
64) Toluene-d8	7.301	98	199073	9.625 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.25%		
88) 4-Bromofluorobenzene	10.664	95	77226	9.899 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.99%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.481	85	49	N.D.	
3) Chloromethane	0.000		0	N.D. d	
4) Vinyl chloride	1.703	62	386	N.D.	
5) Bromomethane	0.000		0	N.D. d	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	2.129	101	45	N.D.	
8) Ethyl ether	2.469	74	61	N.D.	
10) 1,1-Dichloroethene	2.600	96	44	N.D.	
11) Carbon disulfide	0.000		0	N.D. d	
15) Methylene chloride	3.207	84	77	N.D.	
17) Acetone	3.230	43	8616M2	5.298 ug/L	
18) trans-1,2-Dichloroethene	3.334	96	1407M1	0.357 ug/L	
21) Methyl tert-butyl ether	3.452	73	51	N.D.	
25) 1,1-Dichloroethane	3.955	63	47	N.D.	
27) Acrylonitrile	3.955	53	44	N.D.	
29) Vinyl acetate	4.132	43	52	N.D.	
30) cis-1,2-Dichloroethene	4.408	96	5985	1.264 ug/L	99
31) 2,2-Dichloropropane	4.503	77	45	N.D.	
33) Bromochloromethane	4.748	128	42	N.D.	
35) Chloroform	4.662	83	42	Below Cal #	1

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A19.D
Acq On : 4 Dec 2025 2:46 pm
Operator : ELAINE:MJV
Sample : L2575144-09,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 05 06:11:50 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	4.698	117	44	N.D.		
40) 1,1,1-Trichloroethane	4.816	97	56	N.D.		
42) 2-Butanone	4.947	43	7426M2	3.640	ug/L	
43) 1,1-Dichloropropene	4.838	75	66	N.D.		
45) Benzene	5.221	78	138	N.D.		
48) 1,2-Dichloroethane	5.327	62	42	N.D.		
52) Trichloroethene	5.809	95	8684	2.095	ug/L	94
54) Dibromomethane	6.187	93	40	N.D.		
55) 1,2-Dichloropropane	6.406	63	48	N.D.		
58) Bromodichloromethane	6.419	83	41	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.	d	
62) cis-1,3-Dichloropropene	7.117	75	48	N.D.		
65) Toluene	7.363	92	934	0.081	ug/L	97
66) 4-Methyl-2-pentanone	0.000		0	N.D.	d	
67) Tetrachloroethene	0.000		0	N.D.	d	
69) trans-1,3-Dichloropropene	0.000		0	N.D.	d	
72) 1,1,2-Trichloroethane	8.047	83	43	N.D.		
73) Chlorodibromomethane	8.205	129	57	N.D.		
74) 1,3-Dichloropropane	8.446	76	67	N.D.		
75) 1,2-Dibromoethane	8.574	107	65	N.D.		
77) 2-Hexanone	8.784	43	46	N.D.		
78) Chlorobenzene	9.188	112	49	N.D.		
79) Ethylbenzene	9.197	91	51	N.D.		
80) 1,1,1,2-Tetrachloroethane	9.241	131	41	N.D.		
81) p/m Xylene	9.429	106	44	N.D.		
82) o Xylene	9.842	106	51	N.D.		
83) Styrene	9.947	104	73	N.D.		
85) Bromoform	0.000		0	N.D.	d	
87) Isopropylbenzene	10.347	105	41	N.D.		
89) Bromobenzene	10.681	156	83	N.D.		
90) n-Propylbenzene	10.933	91	42	N.D.		
92) 1,1,2,2-Tetrachloroethane	10.889	83	43	N.D.		
93) 4-Ethyltoluene	10.963	105	41	N.D.		
94) 2-Chlorotoluene	11.021	91	47	N.D.		
95) 1,3,5-Trimethylbenzene	11.069	105	40	N.D.		
96) 1,2,3-Trichloropropane	11.109	75	40	N.D.		
97) trans-1,4-Dichloro-2-b...	11.113	53	40	N.D.		
98) 4-Chlorotoluene	11.193	91	80	N.D.		
99) tert-Butylbenzene	11.413	119	40	N.D.		

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A19.D
Acq On : 4 Dec 2025 2:46 pm
Operator : ELAINE:MJV
Sample : L2575144-09,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 05 06:11:50 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.382	105	105	N.D.		
103) sec-Butylbenzene	11.624	105	105	N.D.		
104) p-Isopropyltoluene	11.783	119	50	N.D.		
105) 1,3-Dichlorobenzene	11.836	146	47	N.D.		
106) 1,4-Dichlorobenzene	11.928	146	41	N.D.		
107) p-Diethylbenzene	12.105	119	61	N.D.		
108) n-Butylbenzene	12.338	91	70	N.D.		
109) 1,2-Dichlorobenzene	12.360	146	66	N.D.		
110) 1,2,4,5-Tetramethylben...	13.096	119	42	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	d	
113) Hexachlorobutadiene	0.000		0	N.D.	d	
114) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
115) Naphthalene	14.083	128	53	N.D.		
116) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

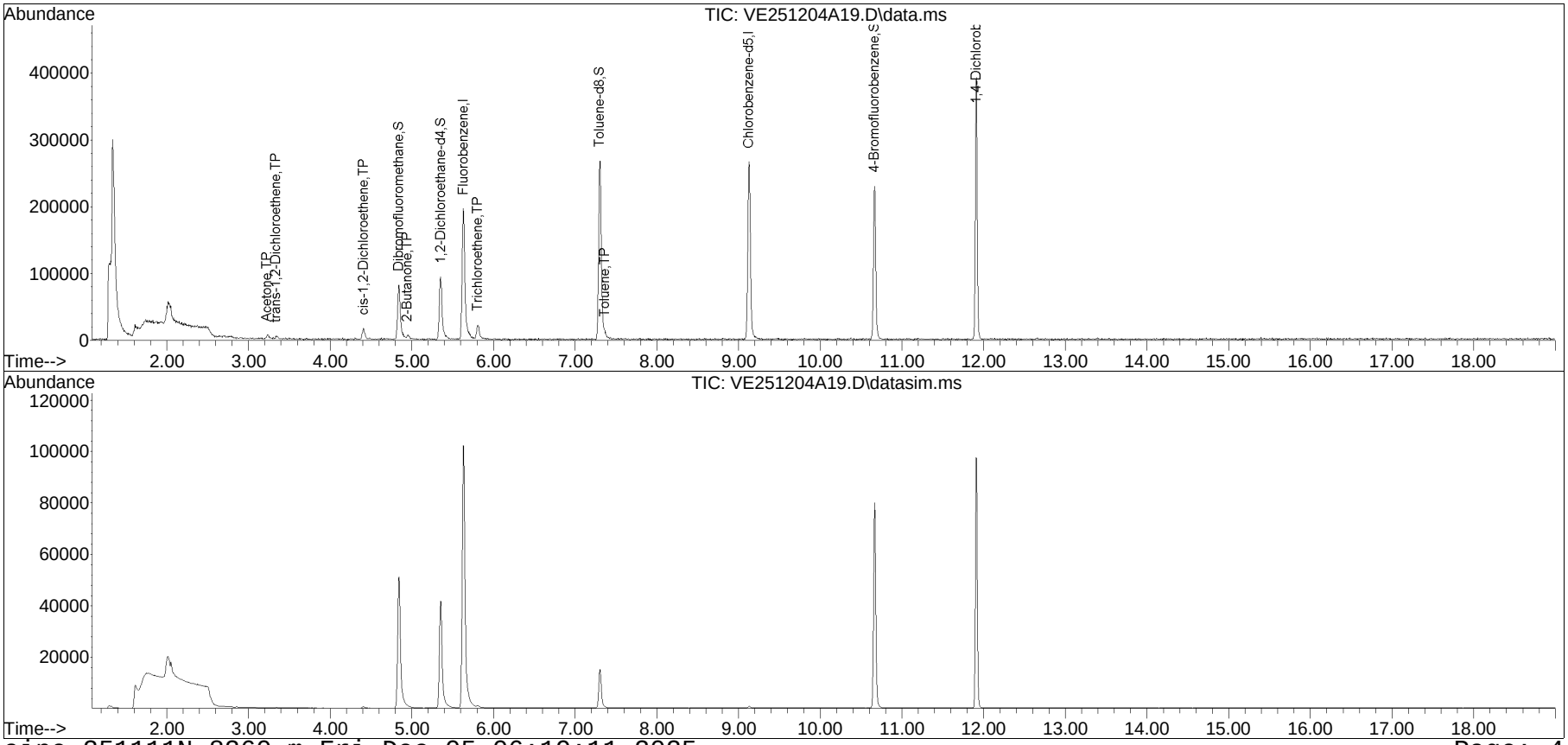
(#) = qualifier out of range (m) = manual integration (+) = signals summed

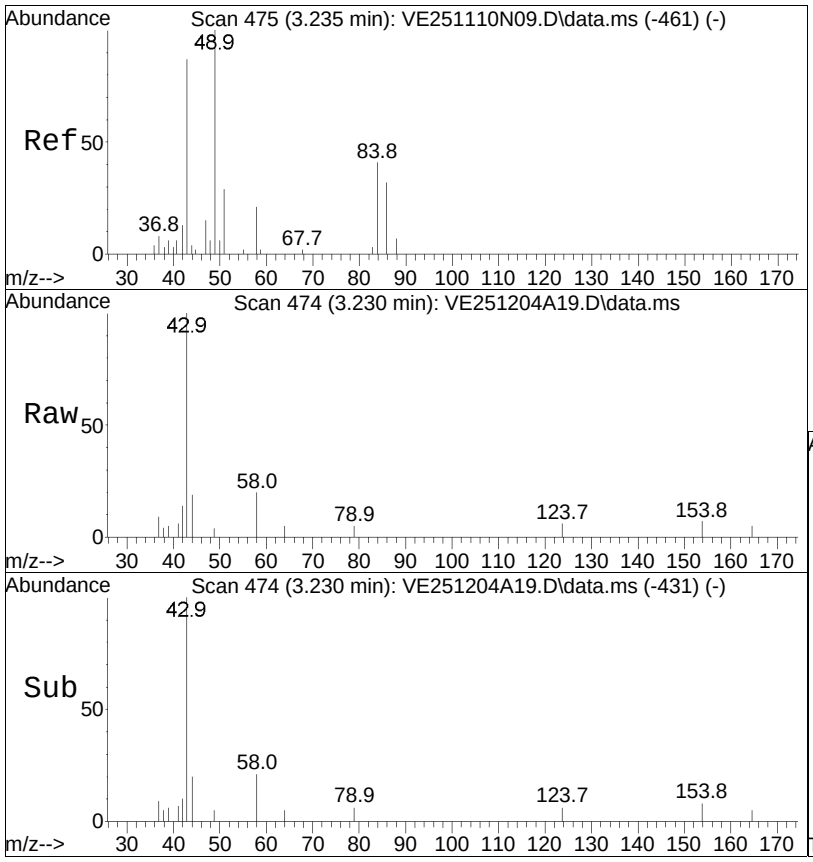
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A19.D
Acq On : 4 Dec 2025 2:46 pm
Operator : ELAINE:MJV
Sample : L2575144-09,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 05 06:11:50 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox51204A01.D•

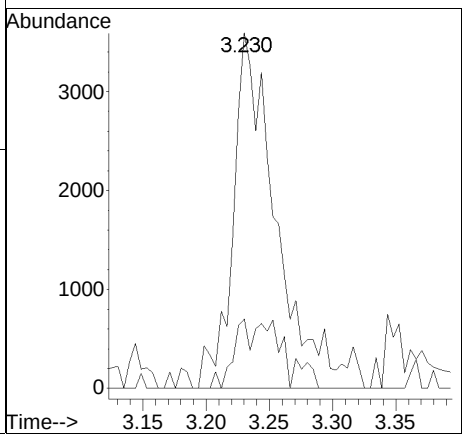


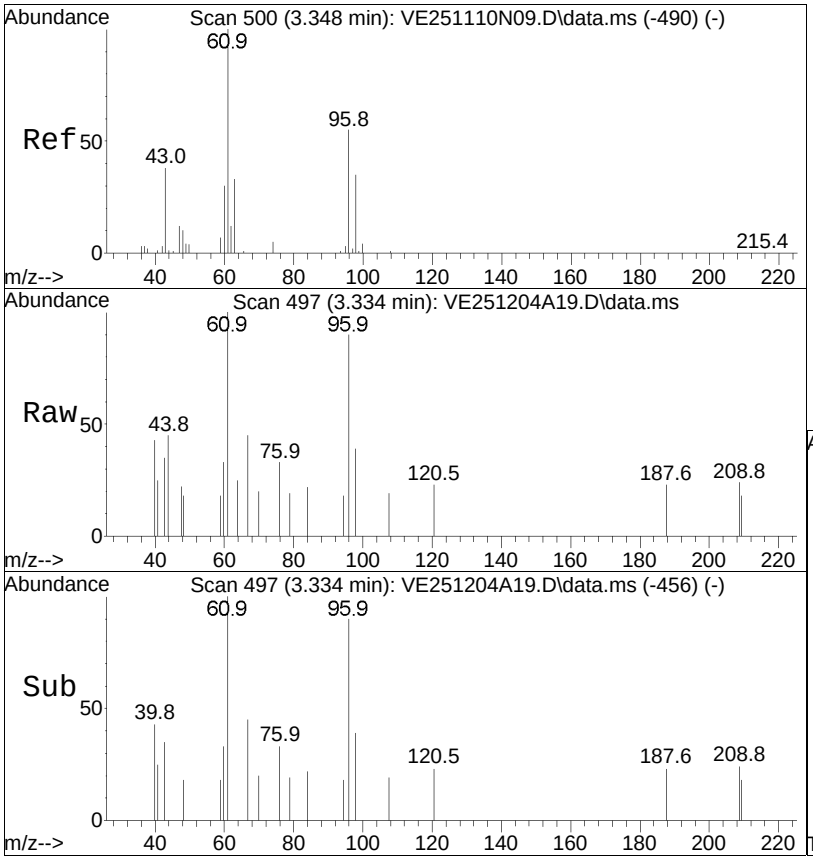


#17
Acetone
Concen: 5.30 ug/L M2
RT: 3.230 min Scan# 474
Delta R.T. -0.005 min
Lab File: VE251204A19.D
Acq: 4 Dec 2025 2:46 pm

Tgt Ion: 43 Resp: 8616

Ion	Ratio	Lower	Upper
43	100		
58	0.0	16.2	24.4#

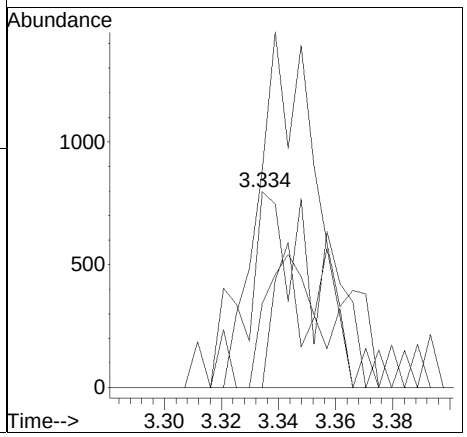


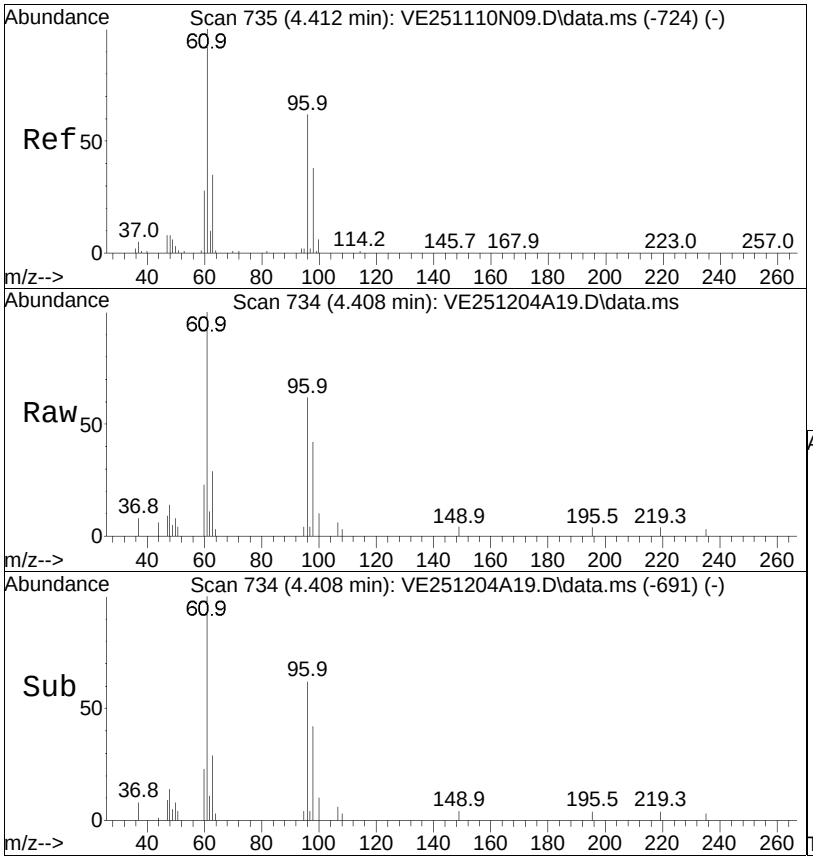


#18
trans-1,2-Dichloroethene
Concen: 0.36 ug/L M1
RT: 3.334 min Scan# 497
Delta R.T. -0.014 min
Lab File: VE251204A19.D
Acq: 4 Dec 2025 2:46 pm

Tgt Ion: 96 Resp: 1407

Ion	Ratio	Lower	Upper
96	100		
61	156.0	118.2	245.6
98	49.6	41.9	86.9
63	23.0	39.4	81.8#

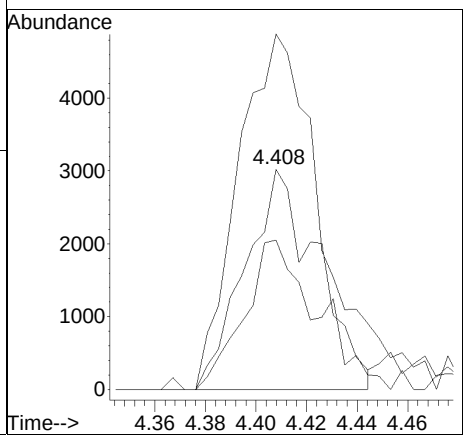


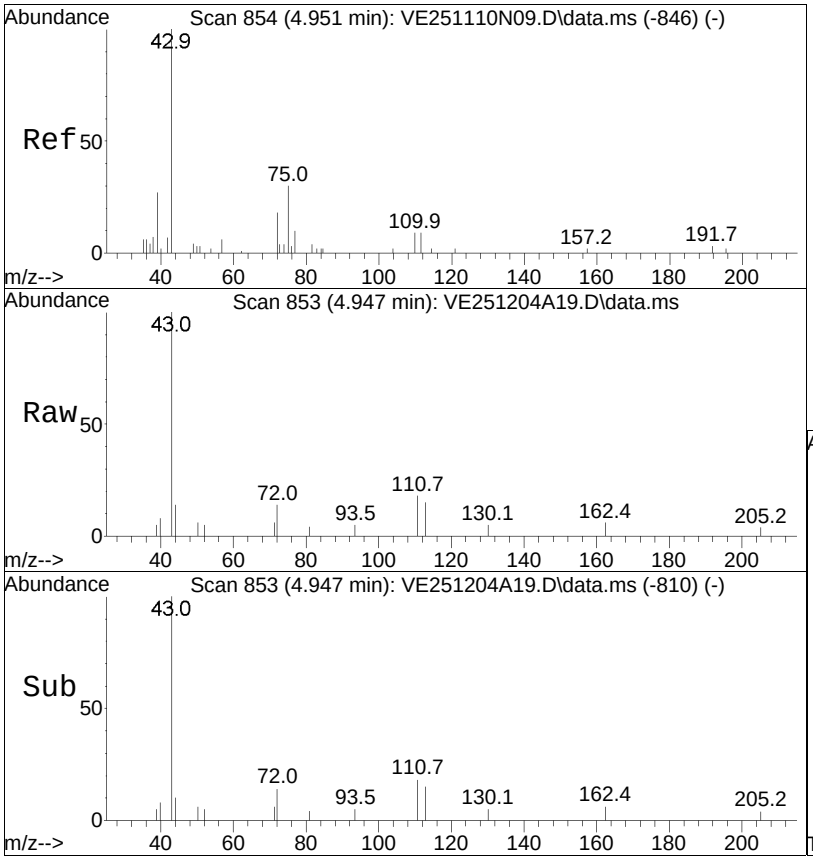


#30
cis-1,2-Dichloroethene
Concen: 1.26 ug/L
RT: 4.408 min Scan# 734
Delta R.T. -0.004 min
Lab File: VE251204A19.D
Acq: 4 Dec 2025 2:46 pm

Tgt Ion: 96 Resp: 5985

Ion	Ratio	Lower	Upper
96	100		
61	190.7	153.3	229.9
98	68.0	52.8	79.2

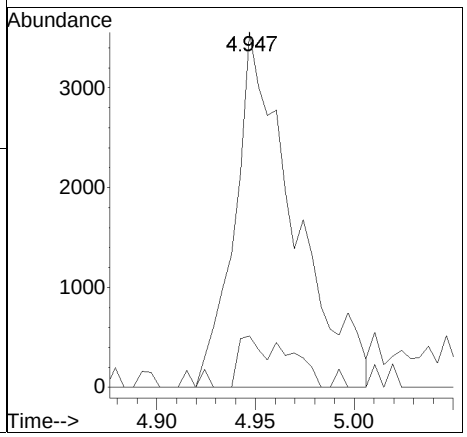


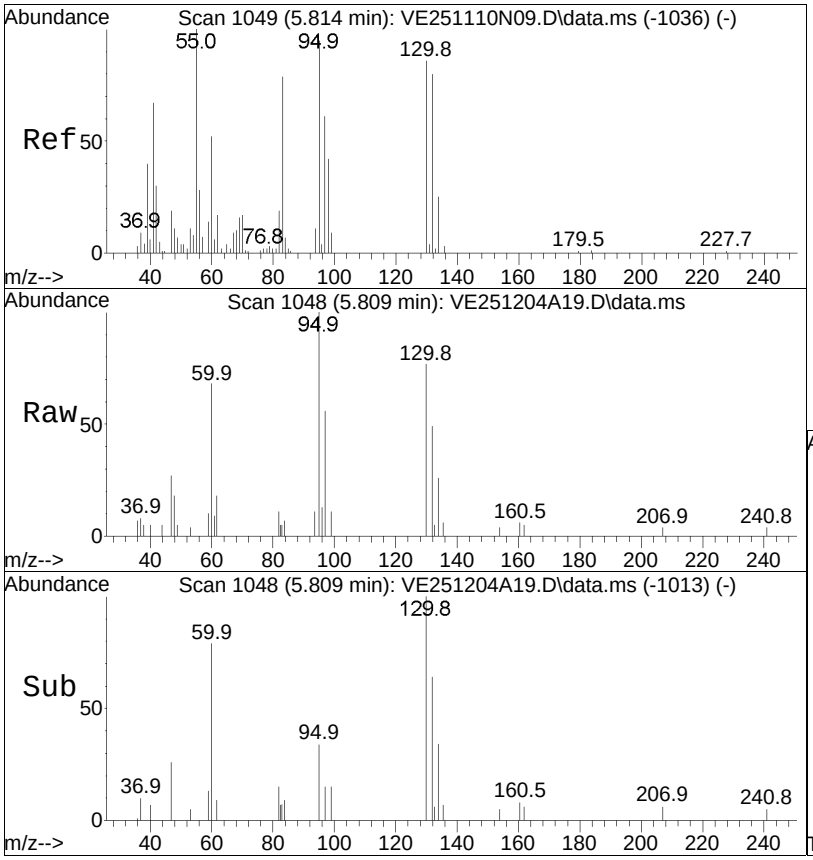


#42
2-Butanone
Concen: 3.64 ug/L M2
RT: 4.947 min Scan# 853
Delta R.T. -0.004 min
Lab File: VE251204A19.D
Acq: 4 Dec 2025 2:46 pm

Tgt Ion: 43 Resp: 7426

Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.8	34.2#

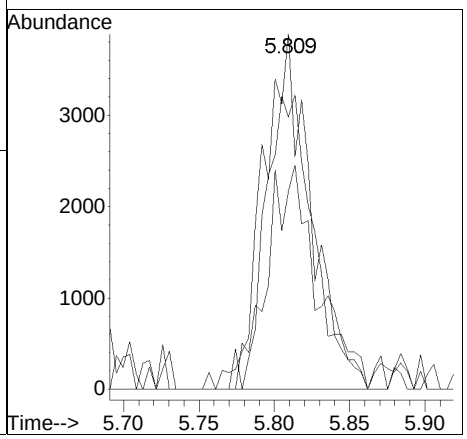


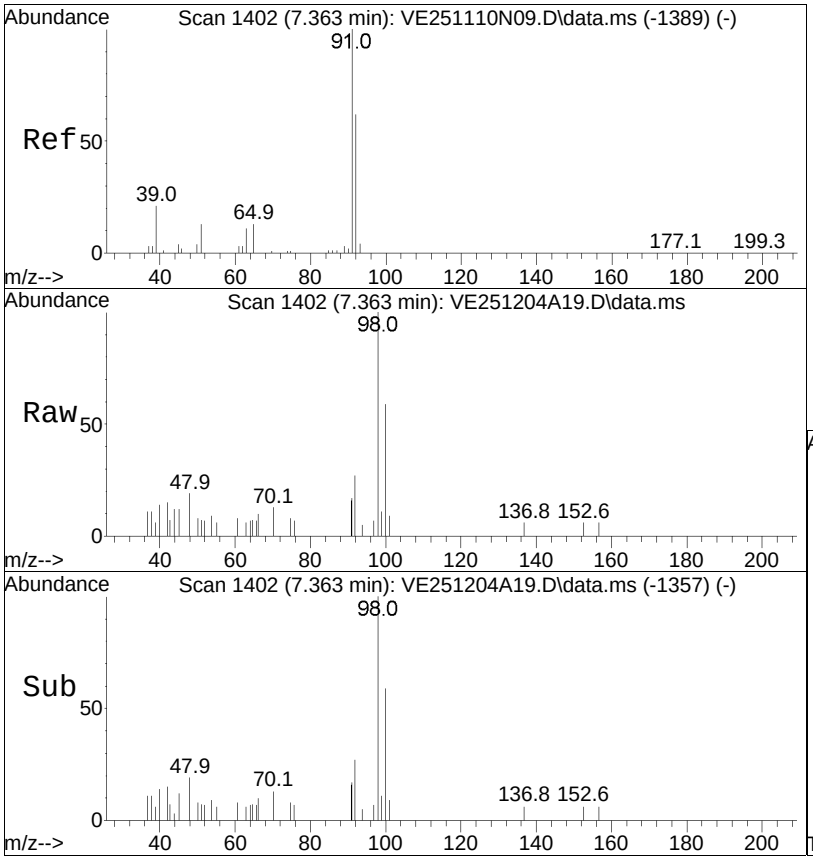


#52
Trichloroethene
Concen: 2.10 ug/L
RT: 5.809 min Scan# 1048
Delta R.T. -0.005 min
Lab File: VE251204A19.D
Acq: 4 Dec 2025 2:46 pm

Tgt Ion: 95 Resp: 8684

Ion	Ratio	Lower	Upper
95	100		
97	64.3	54.4	81.6
130	85.3	73.7	110.5

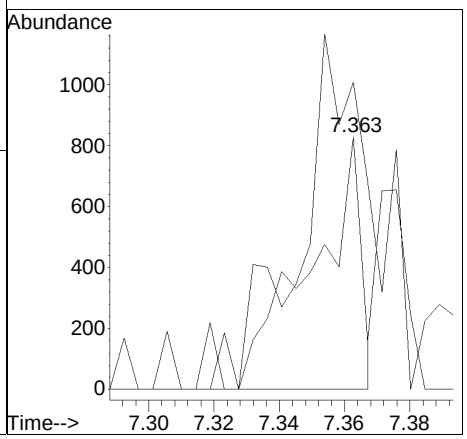




#65
Toluene
Concen: 0.08 ug/L
RT: 7.363 min Scan# 1402
Delta R.T. -0.000 min
Lab File: VE251204A19.D
Acq: 4 Dec 2025 2:46 pm

Tgt Ion: 92 Resp: 934

Ion	Ratio	Lower	Upper
92	100		
91	165.7	136.4	204.6

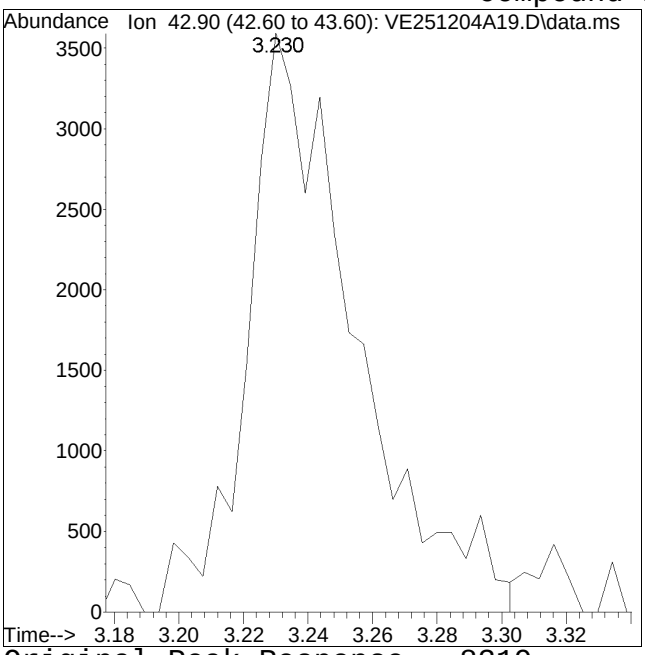


Manual Integration Report

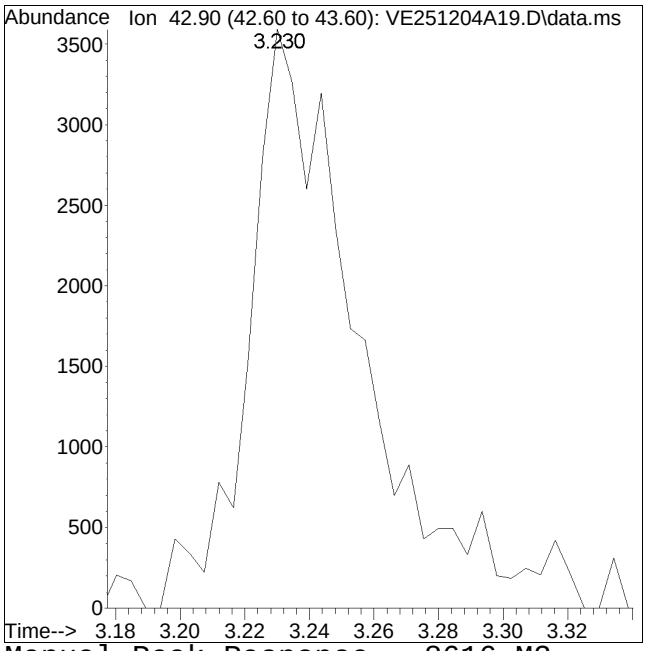
Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A19.D
Date Inj'd : 12/4/2025 2:46 pm
Sample : L2575144-09,31,10,10,,A

QMethod : Elaine_251111N_8260.m
Operator : ELAINE:MJV
Instrument : Elaine
Quant Date : 12/4/2025 4:39 pm

Compound #17: Acetone



Original Peak Response = 8319



Manual Peak Response = 8616 M2

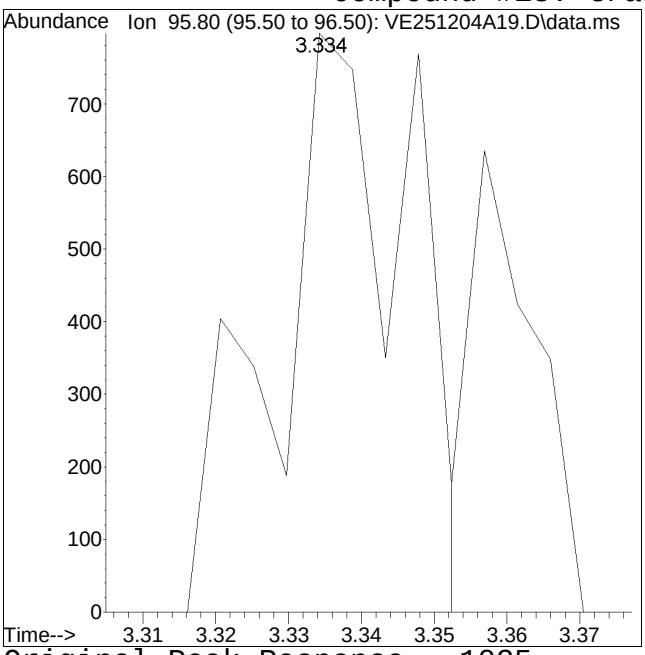
M2 = Peak not found by automatic integration algorithm.

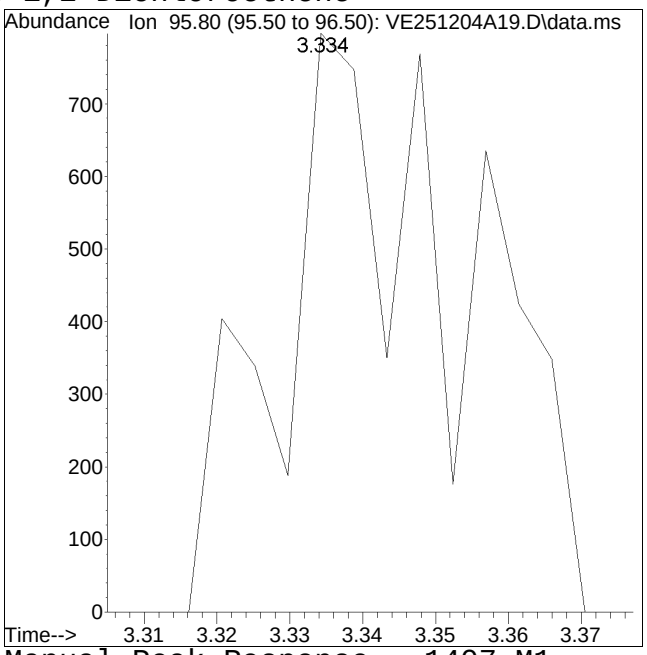
Manual Integration Report

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A19.D
Date Inj'd : 12/4/2025 2:46 pm
Sample : L2575144-09,31,10,10,,A

QMethod : Elaine_251111N_8260.m
Operator : ELAINE:MJV
Instrument : Elaine
Quant Date : 12/4/2025 4:39 pm

Compound #18: trans-1,2-Dichloroethene





Original Peak Response = 1025 Manual Peak Response = 1407 M1

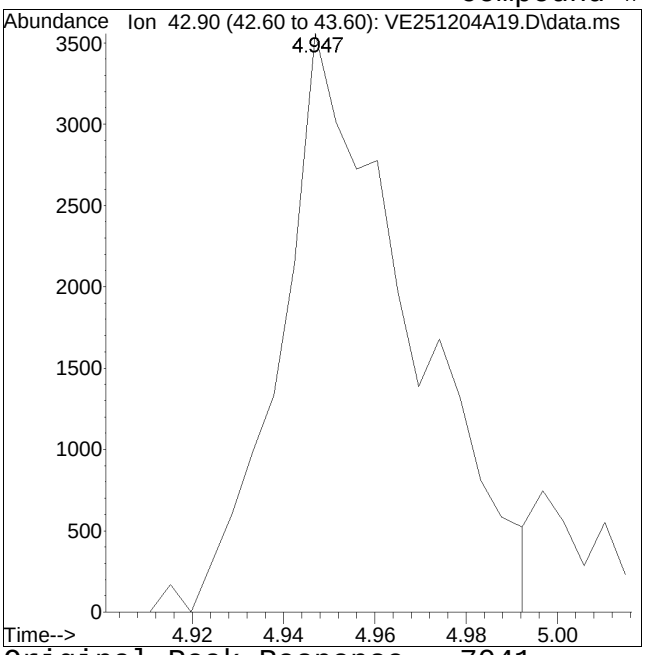
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

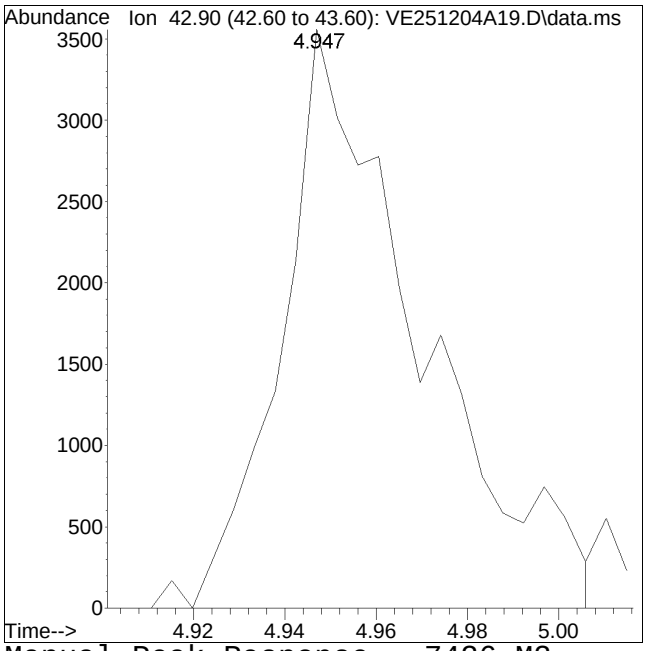
Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A19.D
Date Inj'd : 12/4/2025 2:46 pm
Sample : L2575144-09,31,10,10,,A

QMethod : Elaine_251111N_8260.m
Operator : ELAINE:MJV
Instrument : Elaine
Quant Date : 12/4/2025 4:39 pm

Compound #42: 2-Butanone



Original Peak Response = 7041



Manual Peak Response = 7426 M2

M2 = Peak not found by automatic integration algorithm.

LSC Area Percent Report

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A19.D
Acq On : 4 Dec 2025 2:46 pm
Operator : ELAINE:MJV
Sample : L2575144-09,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 1 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VE251204A19.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.613	110	117	122	rBV3	17444	33849	5.27%	0.973%
2	2.016	198	206	227	rVB8	32143	123001	19.14%	3.537%
3	4.408	722	734	744	rBV2	16514	37517	5.84%	1.079%
4	4.843	816	830	850	rBV3	82124	208093	32.39%	5.985%
5	5.353	931	944	958	rBV2	94162	225243	35.06%	6.478%
6	5.629	994	1007	1031	rBV2	195598	476203	74.12%	13.695%
7	5.809	1040	1048	1060	rBV5	20575	47522	7.40%	1.367%
8	7.306	1376	1389	1415	rBV2	268084	642514	100.00%	18.478%
9	9.131	1793	1805	1828	rBV2	266612	606751	94.43%	17.450%
10	10.664	2143	2154	2177	rBV	229692	452544	70.43%	13.015%
11	11.911	2421	2437	2455	rBV	392560	623905	97.10%	17.943%

Sum of corrected areas: 3477142

Signal : TIC: VE251204A19.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

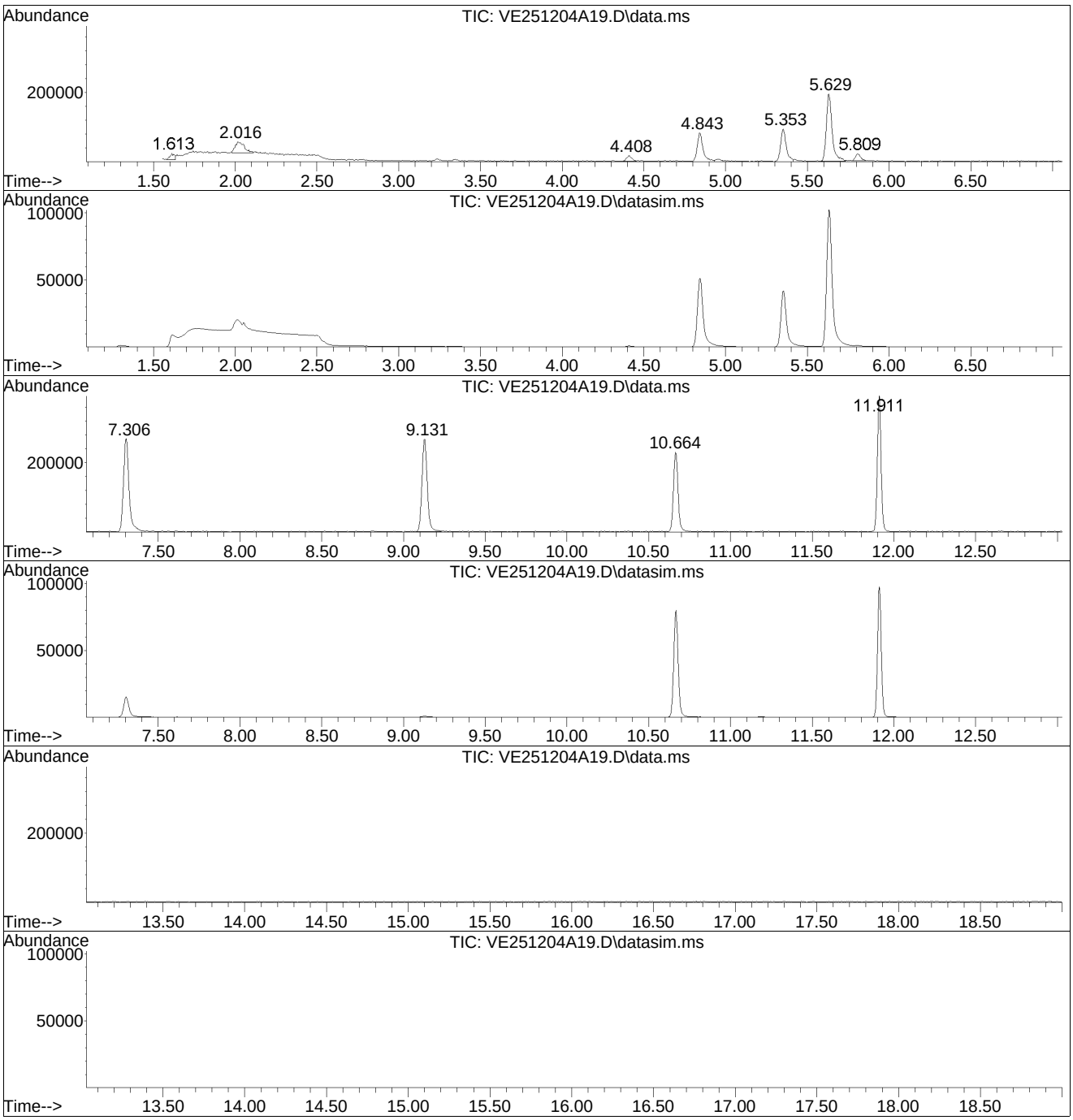
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A19.D
Acq On : 4 Dec 2025 2:46 pm
Operator : ELAINE:MJV
Sample : L2575144-09,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A19.D
Acq On : 4 Dec 2025 2:46 pm
Operator : ELAINE:MJV
Sample : L2575144-09,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

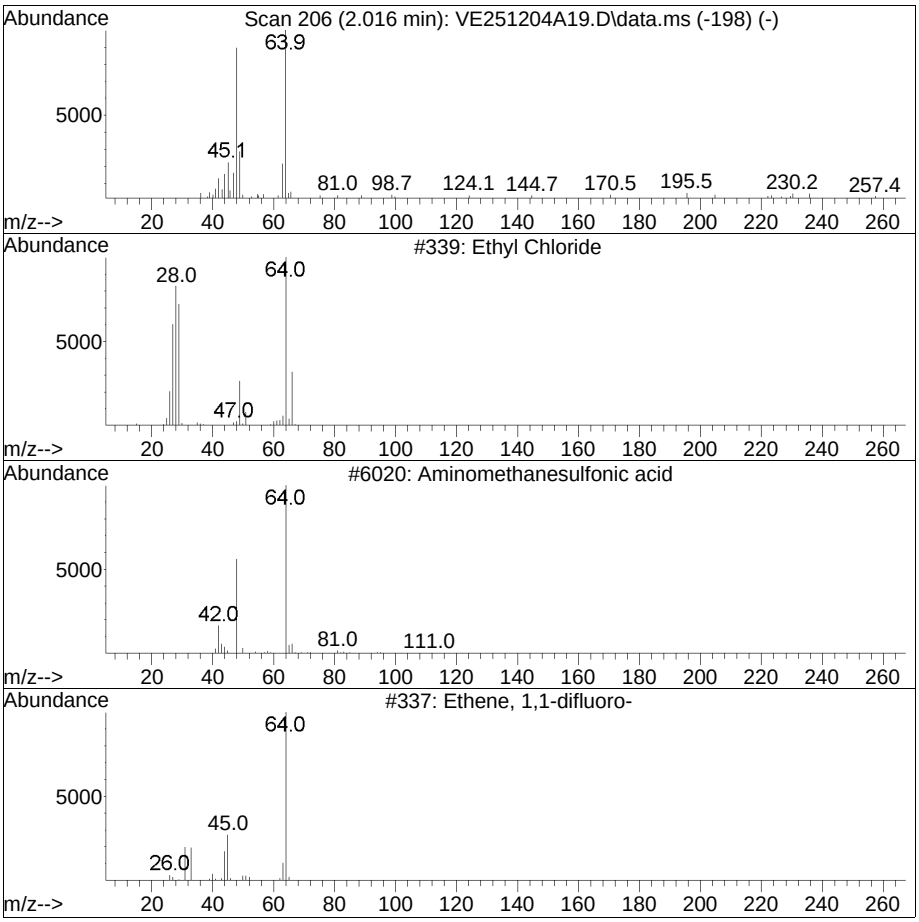
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

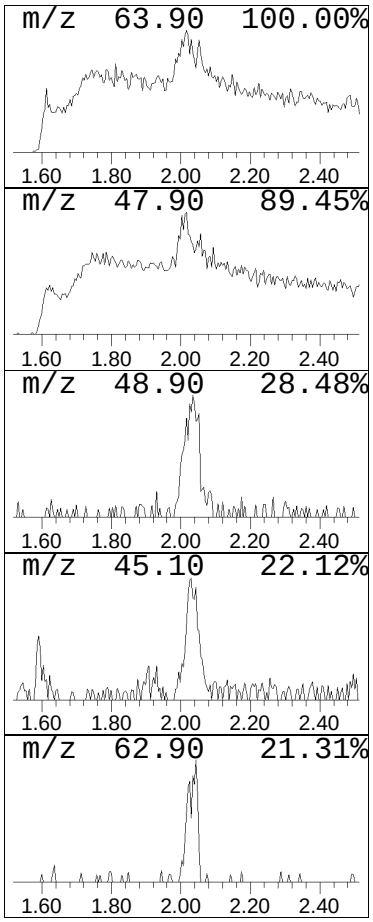
****

Peak Number 1 Unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.016	2.58 ug/L	123001	Fluorobenzene	5.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Chloride	64	C2H5Cl	000075-00-3	64
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	53
3	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	47
4	Sulfur dioxide	64	O2S	007446-09-5	42
5	Thiosulfuric acid (H2S2O3), S-(2...	210	C5H10N2O3S2	040283-52-1	39





Tentatively Identified Compound (LSC) summary

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A19.D
Acq On : 4 Dec 2025 2:46 pm
Operator : ELAINE:MJV
Sample : L2575144-09,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown	2.016	2.6	ug/L	123001	1	5.629	476203	10.0

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A20.D
Acq On : 4 Dec 2025 3:11 pm
Operator : ELAINE:MJV
Sample : L2575144-10,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 05 06:13:14 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.634	96	183711	10.000 ug/L	0.00
Standard Area 1 = 228604			Recovery = 80.36%		
63) Chlorobenzene-d5	9.127	117	148220	10.000 ug/L	0.00
Standard Area 1 = 181694			Recovery = 81.58%		
84) 1,4-Dichlorobenzene-d4	11.911	152	79830	10.000 ug/L	0.00
Standard Area 1 = 98206			Recovery = 81.29%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.843	113	56629	11.184 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.84%		
47) 1,2-Dichloroethane-d4	5.349	65	78351	11.358 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.58%		
64) Toluene-d8	7.301	98	195694	9.866 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.66%		
88) 4-Bromofluorobenzene	10.664	95	75697	9.947 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.47%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.368	85	42	N.D.	
3) Chloromethane	1.640	50	285	N.D.	
4) Vinyl chloride	1.699	62	64567	10.299 ug/L	98
5) Bromomethane	1.984	94	95	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	2.084	101	42	N.D.	
8) Ethyl ether	2.496	74	107	N.D.	
10) 1,1-Dichloroethene	2.673	96	82	N.D.	
11) Carbon disulfide	2.863	76	333	N.D.	
15) Methylene chloride	3.208	84	156	N.D.	
17) Acetone	3.239	43	8439	5.236 ug/L	93
18) trans-1,2-Dichloroethene	3.339	96	2512	0.642 ug/L	76
21) Methyl tert-butyl ether	3.407	73	41	N.D.	
25) 1,1-Dichloroethane	3.896	63	55	N.D.	
27) Acrylonitrile	3.892	53	45	N.D.	
29) Vinyl acetate	4.182	43	164	N.D.	
30) cis-1,2-Dichloroethene	4.404	96	48973	10.433 ug/L	87
31) 2,2-Dichloropropane	4.517	77	47	N.D.	
33) Bromochloromethane	4.680	128	52	N.D.	
35) Chloroform	4.657	83	547	Below Cal #	38

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A20.D
Acq On : 4 Dec 2025 3:11 pm
Operator : ELAINE:MJV
Sample : L2575144-10,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 05 06:13:14 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	4.770	117	51	N.D.		
40) 1,1,1-Trichloroethane	4.752	97	89	N.D.		
42) 2-Butanone	4.952	43	13537M2	6.697	ug/L	
43) 1,1-Dichloropropene	4.929	75	66	N.D.		
45) Benzene	5.217	78	59	N.D.		
48) 1,2-Dichloroethane	5.471	62	82	N.D.		
52) Trichloroethene	5.801	95	31507	7.670	ug/L	93
54) Dibromomethane	6.244	93	49	N.D.		
55) 1,2-Dichloropropane	6.332	63	46	N.D.		
58) Bromodichloromethane	6.568	83	47	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.	d	
62) cis-1,3-Dichloropropene	6.998	75	56	N.D.		
65) Toluene	7.398	92	54	N.D.		
66) 4-Methyl-2-pentanone	7.793	58	50	N.D.		
67) Tetrachloroethene	0.000		0	N.D.	d	
69) trans-1,3-Dichloropropene	0.000		0	N.D.	d	
72) 1,1,2-Trichloroethane	8.034	83	132	N.D.		
73) Chlorodibromomethane	8.157	129	74	N.D.		
74) 1,3-Dichloropropane	8.275	76	42	N.D.		
75) 1,2-Dibromoethane	8.596	107	43	N.D.		
77) 2-Hexanone	8.789	43	107	N.D.		
78) Chlorobenzene	0.000		0	N.D.		
79) Ethylbenzene	9.188	91	41	N.D.		
80) 1,1,1,2-Tetrachloroethane	9.241	131	49	N.D.		
81) p/m Xylene	9.364	106	127	N.D.		
82) o Xylene	9.864	106	39	N.D.		
83) Styrene	9.965	104	50	N.D.		
85) Bromoform	0.000		0	N.D.	d	
87) Isopropylbenzene	10.417	105	43	N.D.		
89) Bromobenzene	10.787	156	44	N.D.		
90) n-Propylbenzene	10.836	91	63	N.D.		
92) 1,1,2,2-Tetrachloroethane	10.977	83	44	N.D.		
93) 4-Ethyltoluene	10.977	105	93	N.D.		
94) 2-Chlorotoluene	11.047	91	41	N.D.		
95) 1,3,5-Trimethylbenzene	10.977	105	93	N.D.		
96) 1,2,3-Trichloropropane	11.025	75	40	N.D.		
97) trans-1,4-Dichloro-2-b...	11.109	53	53	N.D.		
98) 4-Chlorotoluene	11.100	91	47	N.D.		
99) tert-Butylbenzene	11.276	119	45	N.D.		

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A20.D
Acq On : 4 Dec 2025 3:11 pm
Operator : ELAINE:MJV
Sample : L2575144-10,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 05 06:13:14 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.505	105	156	N.D.		
103) sec-Butylbenzene	11.616	105	51	N.D.		
104) p-Isopropyltoluene	11.902	119	133	N.D.		
105) 1,3-Dichlorobenzene	11.845	146	42	N.D.		
106) 1,4-Dichlorobenzene	11.920	146	84	N.D.		
107) p-Diethylbenzene	12.175	119	42	N.D.		
108) n-Butylbenzene	12.219	91	87	N.D.		
109) 1,2-Dichlorobenzene	12.453	146	49	N.D.		
110) 1,2,4,5-Tetramethylben...	12.959	119	47	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	d	
113) Hexachlorobutadiene	13.893	225	49	0.267	ug/L #	17
114) 1,2,4-Trichlorobenzene	13.783	180	42	N.D.		
115) Naphthalene	14.074	128	125	N.D.		
116) 1,2,3-Trichlorobenzene	14.250	180	57	N.D.		

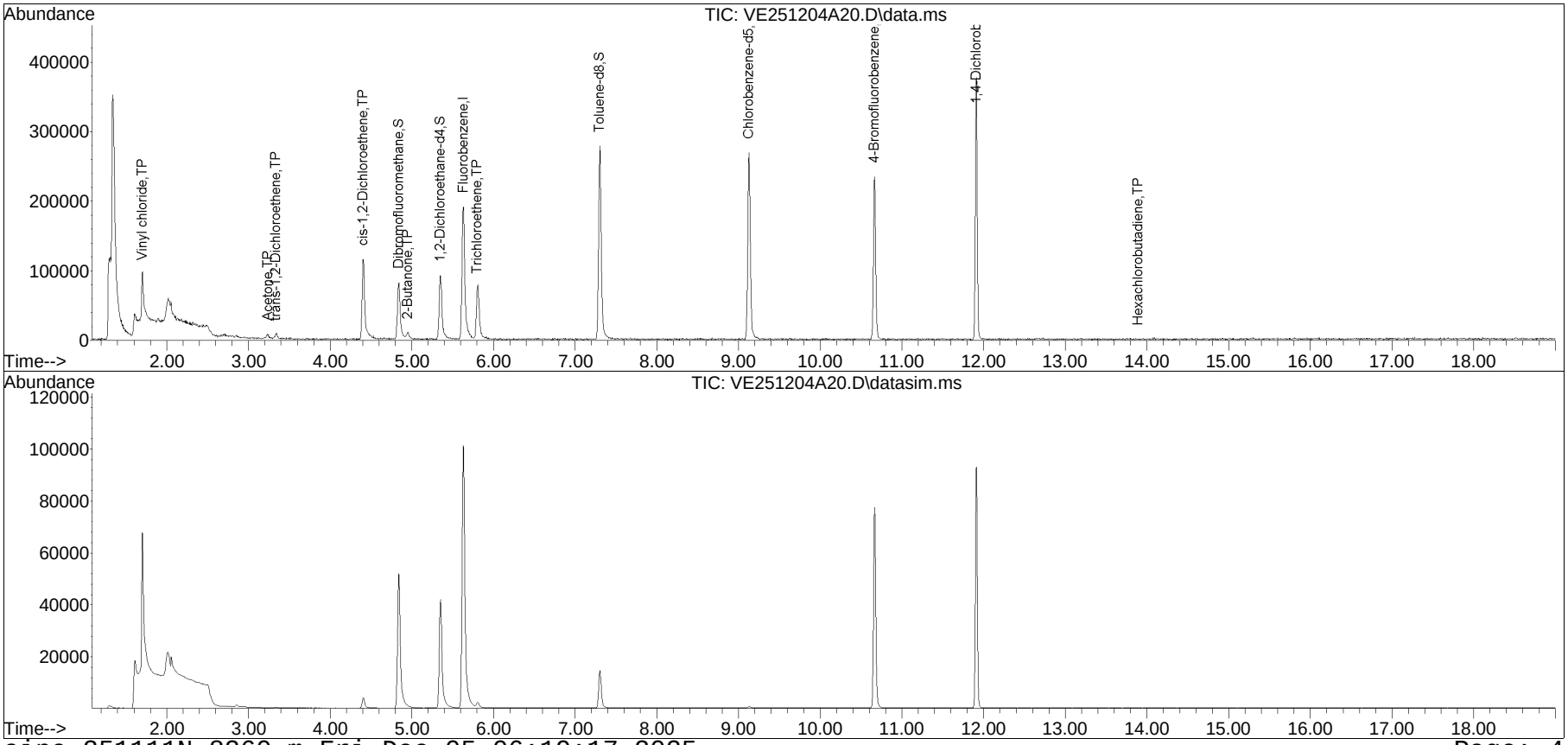
(#) = qualifier out of range (m) = manual integration (+) = signals summed

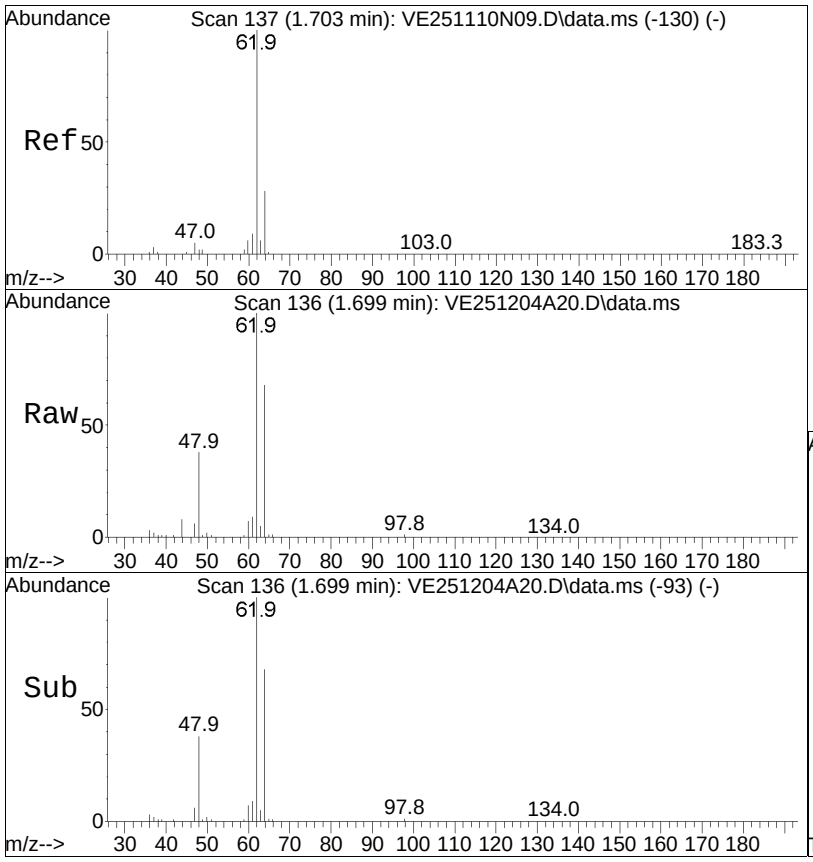
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A20.D
Acq On : 4 Dec 2025 3:11 pm
Operator : ELAINE:MJV
Sample : L2575144-10,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 05 06:13:14 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox51204A01.D•

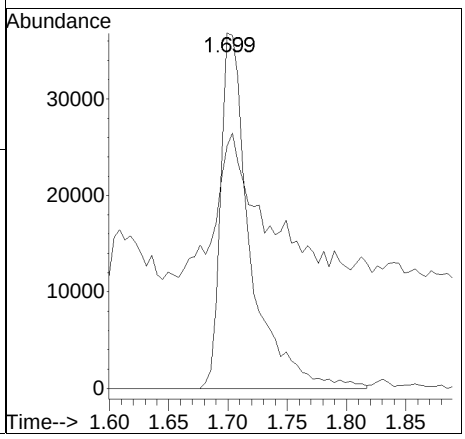


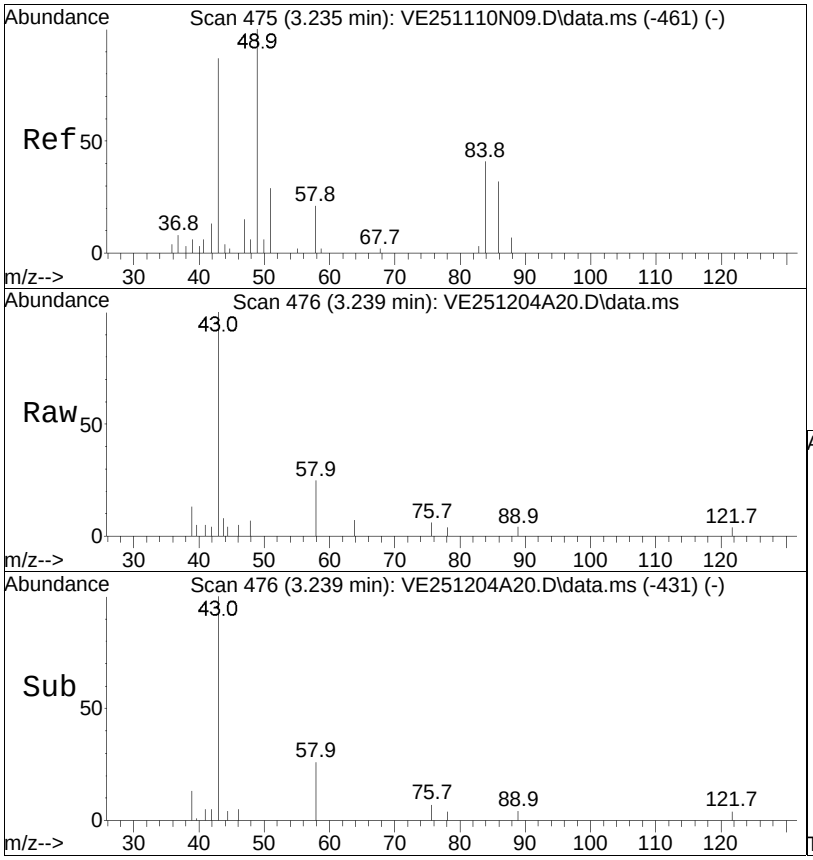


#4
Vinyl chloride
Concen: 10.30 ug/L
RT: 1.699 min Scan# 136
Delta R.T. -0.004 min
Lab File: VE251204A20.D
Acq: 4 Dec 2025 3:11 pm

Tgt Ion: 62 Resp: 64567

Ion	Ratio	Lower	Upper
62	100		
64	31.9	10.6	50.6

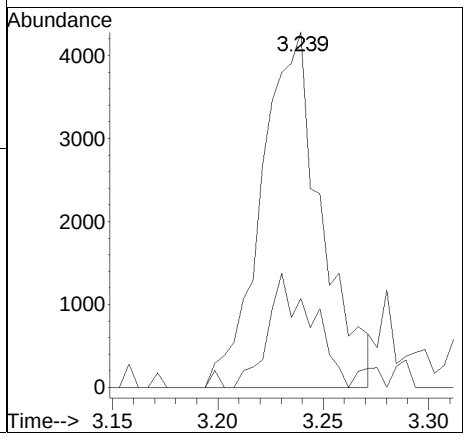


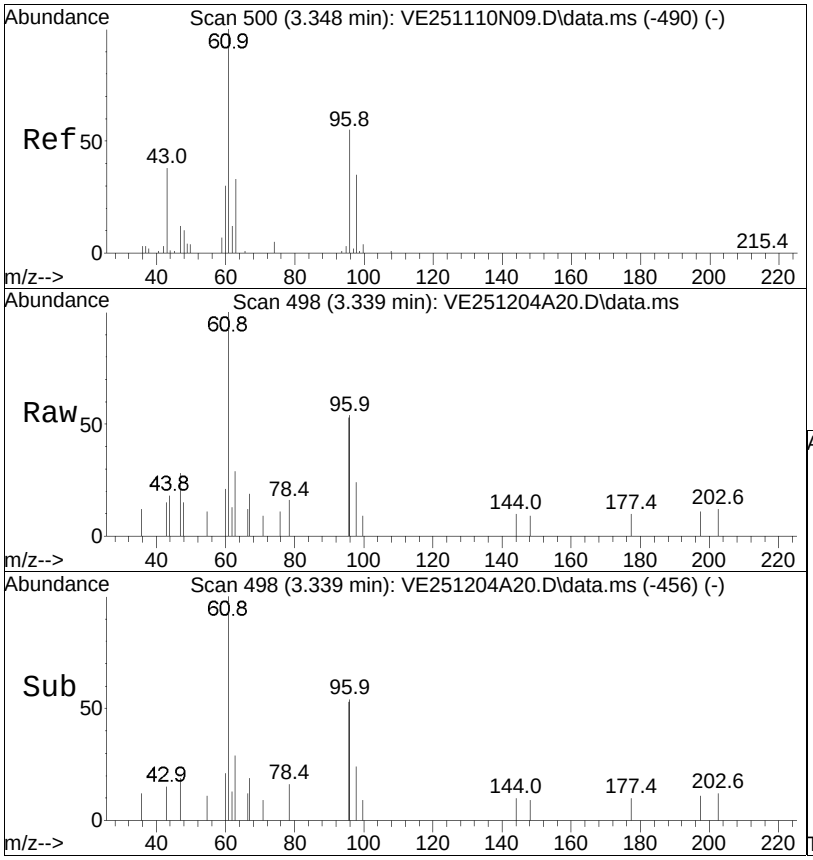


#17
Acetone
Concen: 5.24 ug/L
RT: 3.239 min Scan# 476
Delta R.T. 0.004 min
Lab File: VE251204A20.D
Acq: 4 Dec 2025 3:11 pm

Tgt Ion: 43 Resp: 8439

Ion	Ratio	Lower	Upper
43	100		
58	23.6	16.2	24.4

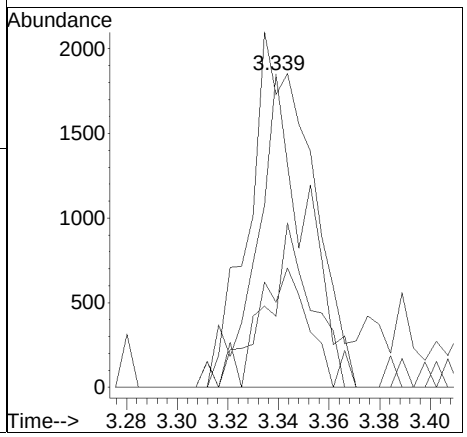


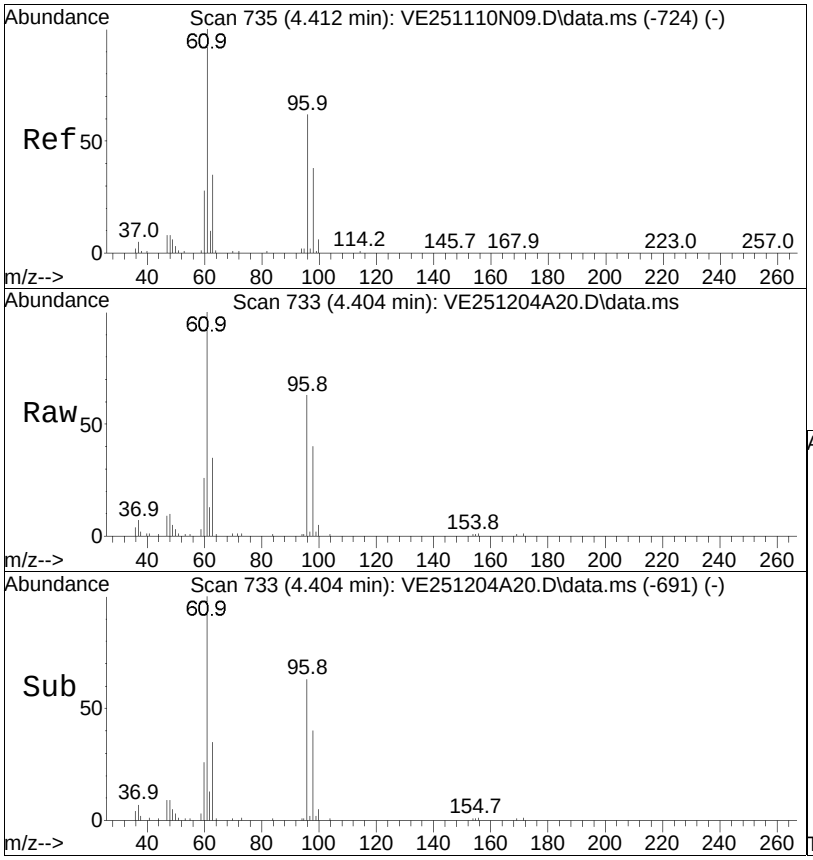


#18
trans-1,2-Dichloroethene
Concen: 0.64 ug/L
RT: 3.339 min Scan# 498
Delta R.T. -0.009 min
Lab File: VE251204A20.D
Acq: 4 Dec 2025 3:11 pm

Tgt Ion: 96 Resp: 2512

Ion	Ratio	Lower	Upper
96	100		
61	143.6	118.2	245.6
98	50.0	41.9	86.9
63	43.8	39.4	81.8

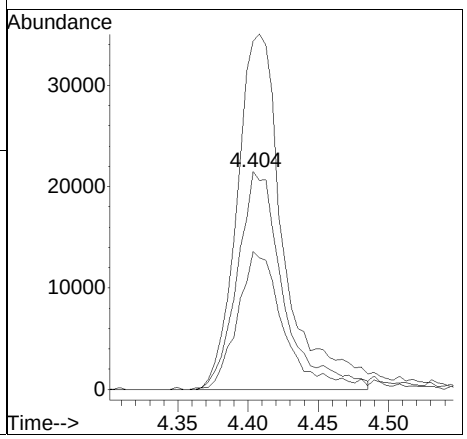


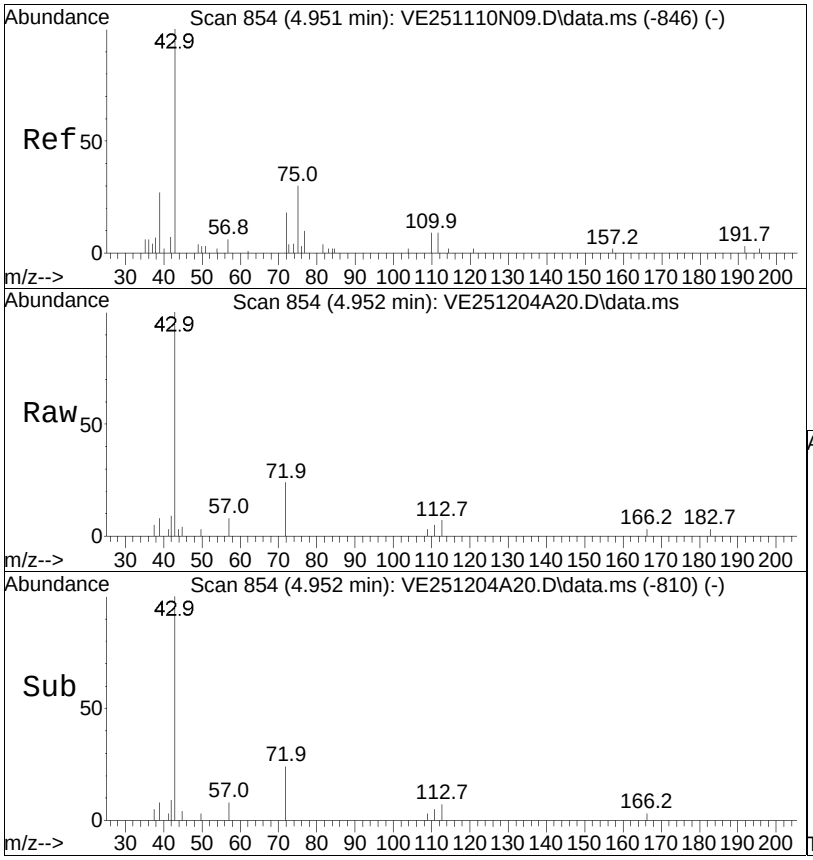


#30
cis-1,2-Dichloroethene
Concen: 10.43 ug/L
RT: 4.404 min Scan# 733
Delta R.T. -0.008 min
Lab File: VE251204A20.D
Acq: 4 Dec 2025 3:11 pm

Tgt Ion: 96 Resp: 48973

Ion	Ratio	Lower	Upper
96	100		
61	168.5	153.3	229.9
98	63.2	52.8	79.2

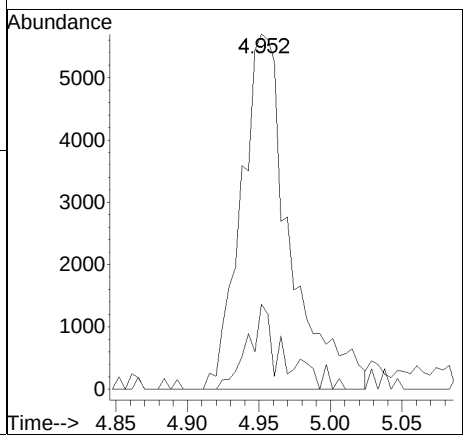


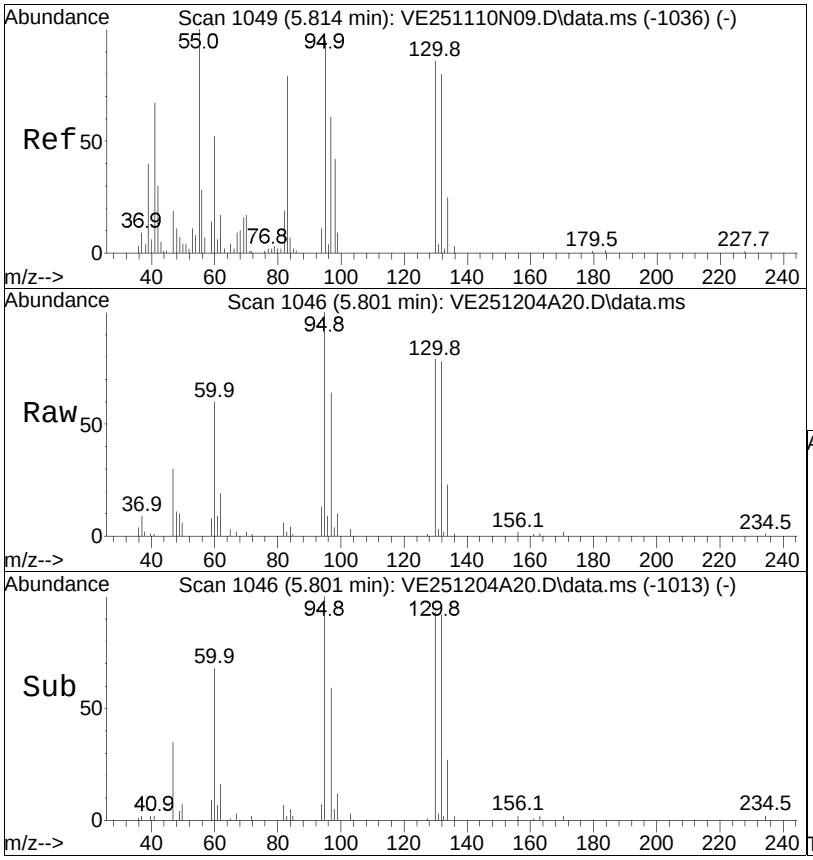


#42
2-Butanone
Concen: 6.70 ug/L M2
RT: 4.952 min Scan# 854
Delta R.T. 0.001 min
Lab File: VE251204A20.D
Acq: 4 Dec 2025 3:11 pm

Tgt Ion: 43 Resp: 13537

Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.8	34.2#

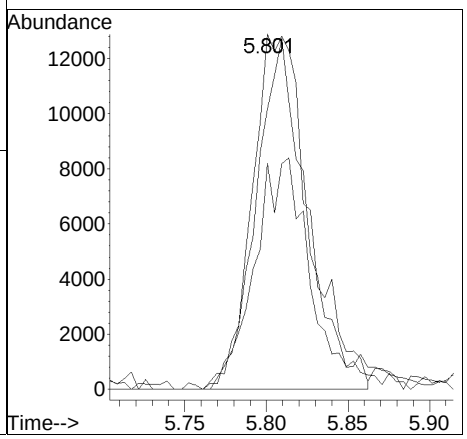


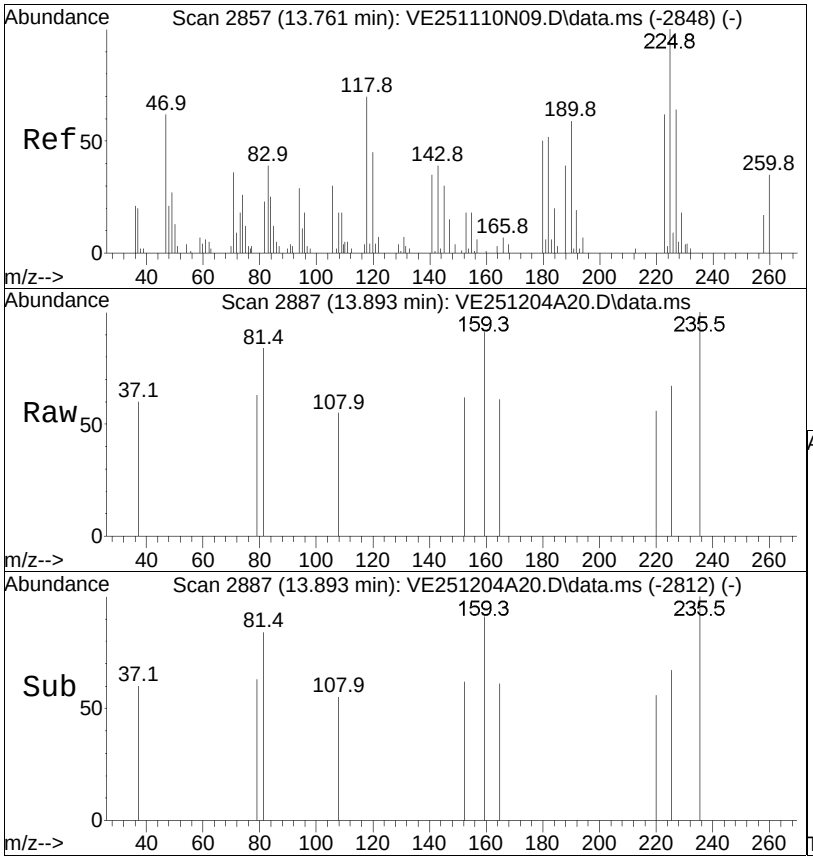


#52
Trichloroethene
Concen: 7.67 ug/L
RT: 5.801 min Scan# 1046
Delta R.T. -0.013 min
Lab File: VE251204A20.D
Acq: 4 Dec 2025 3:11 pm

Tgt Ion: 95 Resp: 31507

Ion	Ratio	Lower	Upper
95	100		
97	63.0	54.4	81.6
130	85.3	73.7	110.5

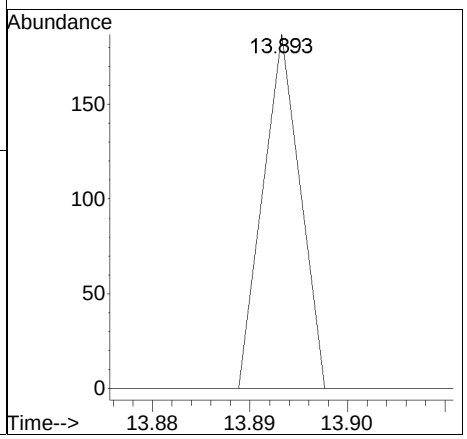




#113
Hexachlorobutadiene
Concen: 0.27 ug/L
RT: 13.893 min Scan# 2887
Delta R.T. 0.132 min
Lab File: VE251204A20.D
Acq: 4 Dec 2025 3:11 pm

Tgt Ion:225 Resp: 49

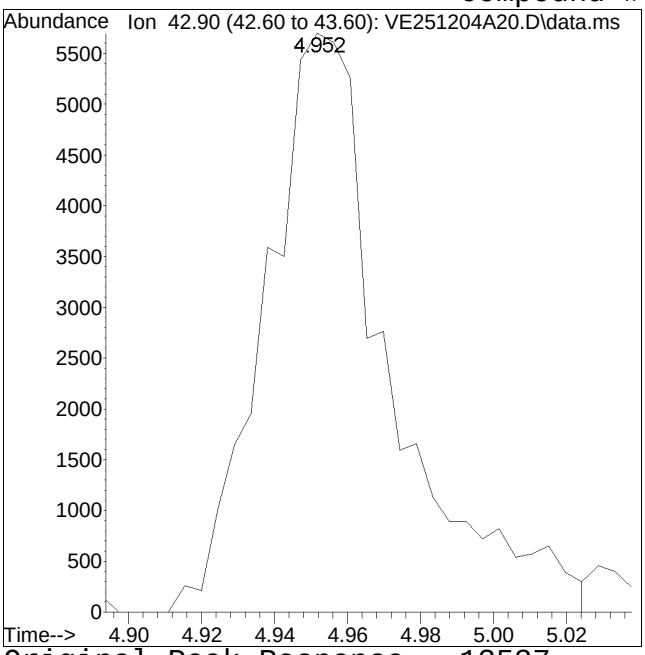
Ion	Ratio	Lower	Upper
225	100		
223	0.0	53.8	80.8#
227	0.0	52.1	78.1#



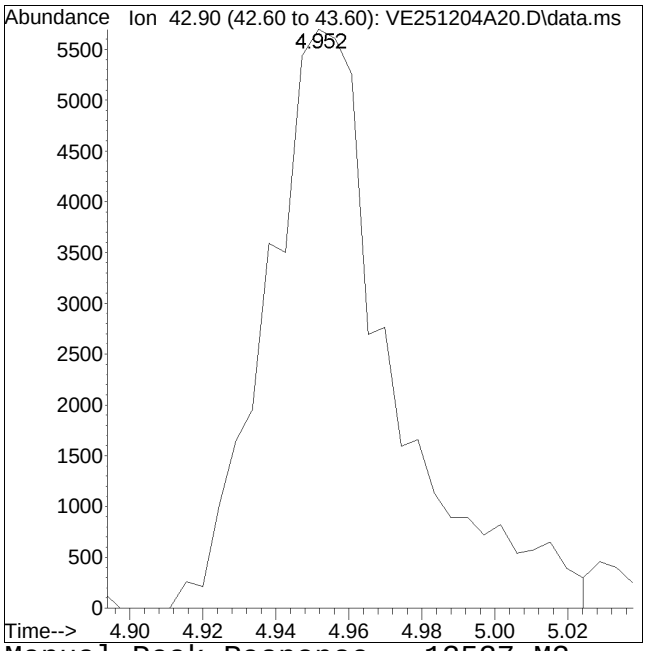
Manual Integration Report

Data Path	: K:\Elaine\2025\251204A\	QMethod	: Elaine_251111N_8260.m
Data File	: VE251204A20.D	Operator	: ELAINE:MJV
Date Inj'd	: 12/4/2025 3:11 pm	Instrument	: Elaine
Sample	: L2575144-10,31,10,10,,A	Quant Date	: 12/4/2025 4:40 pm

Compound #42: 2-Butanone



Original Peak Response = 13537



Manual Peak Response = 13537 M2

M2 = Peak not found by automatic integration algorithm.

LSC Area Percent Report

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A20.D
Acq On : 4 Dec 2025 3:11 pm
Operator : ELAINE:MJV
Sample : L2575144-10,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 1 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VE251204A20.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.609	108	116	124	rBV2	31295	85613	13.65%	2.167%
2	1.704	132	137	155	rVB	67882	119841	19.11%	3.034%
3	2.021	199	207	213	rBV6	23779	58169	9.27%	1.472%
4	4.404	720	733	759	rBV2	115860	283044	45.13%	7.165%
5	4.843	816	830	846	rBV3	81795	202297	32.25%	5.121%
6	4.956	847	855	864	rVB	8908	19766	3.15%	0.500%
7	5.349	931	943	969	rBV3	92388	232779	37.11%	5.893%
8	5.634	994	1008	1036	rBV3	190829	487993	77.81%	12.353%
9	5.809	1036	1048	1062	rVV4	76870	185002	29.50%	4.683%
10	7.301	1376	1388	1415	rBV	277555	627186	100.00%	15.876%
11	9.127	1791	1804	1822	rBV	269853	599398	95.57%	15.173%
12	10.664	2144	2154	2173	rBV2	234092	439612	70.09%	11.128%
13	11.911	2426	2437	2452	rBV	377259	609708	97.21%	15.434%

Sum of corrected areas: 3950408

Signal : TIC: VE251204A20.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

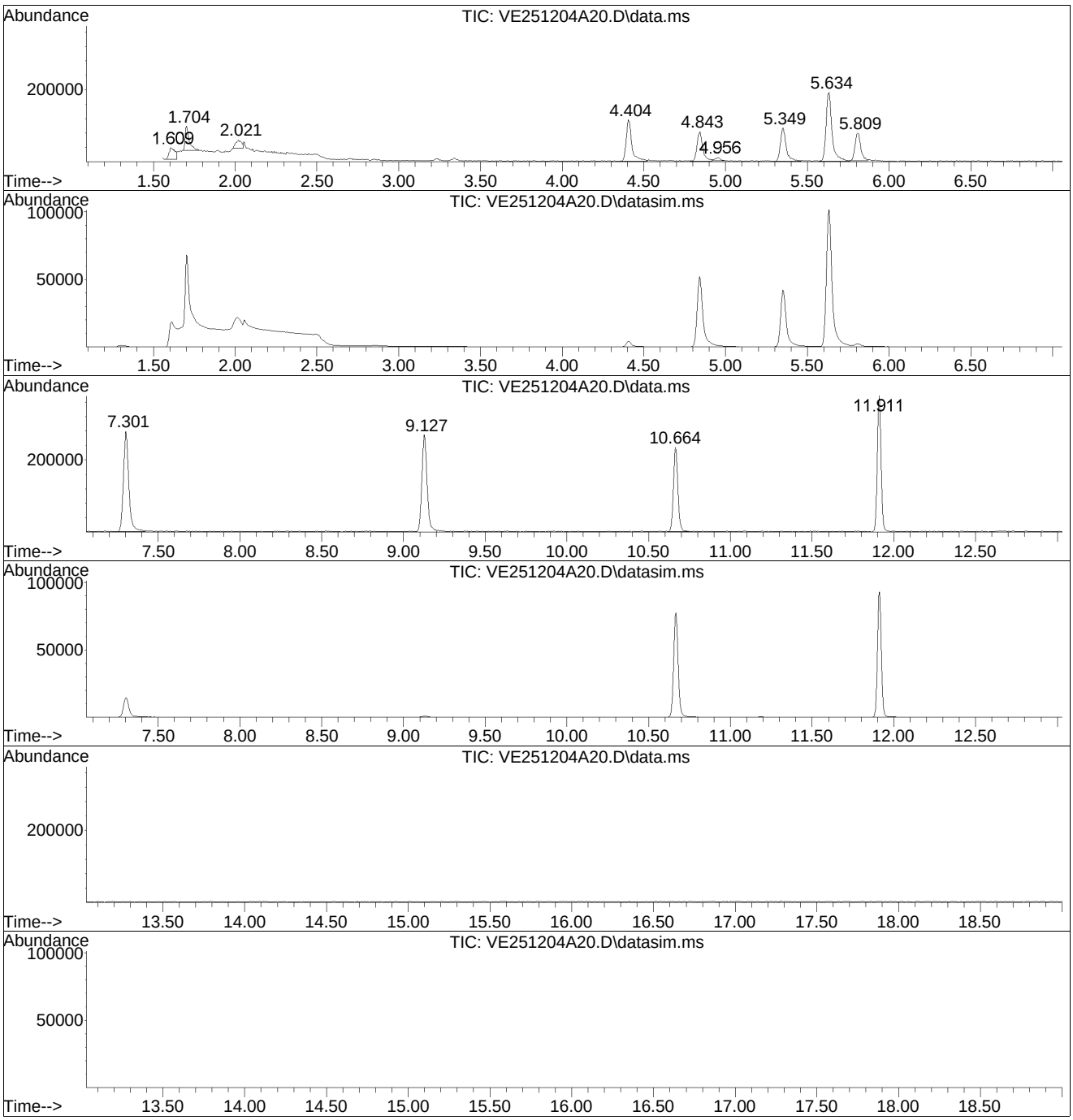
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A20.D
Acq On : 4 Dec 2025 3:11 pm
Operator : ELAINE:MJV
Sample : L2575144-10,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A20.D
Acq On : 4 Dec 2025 3:11 pm
Operator : ELAINE:MJV
Sample : L2575144-10,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

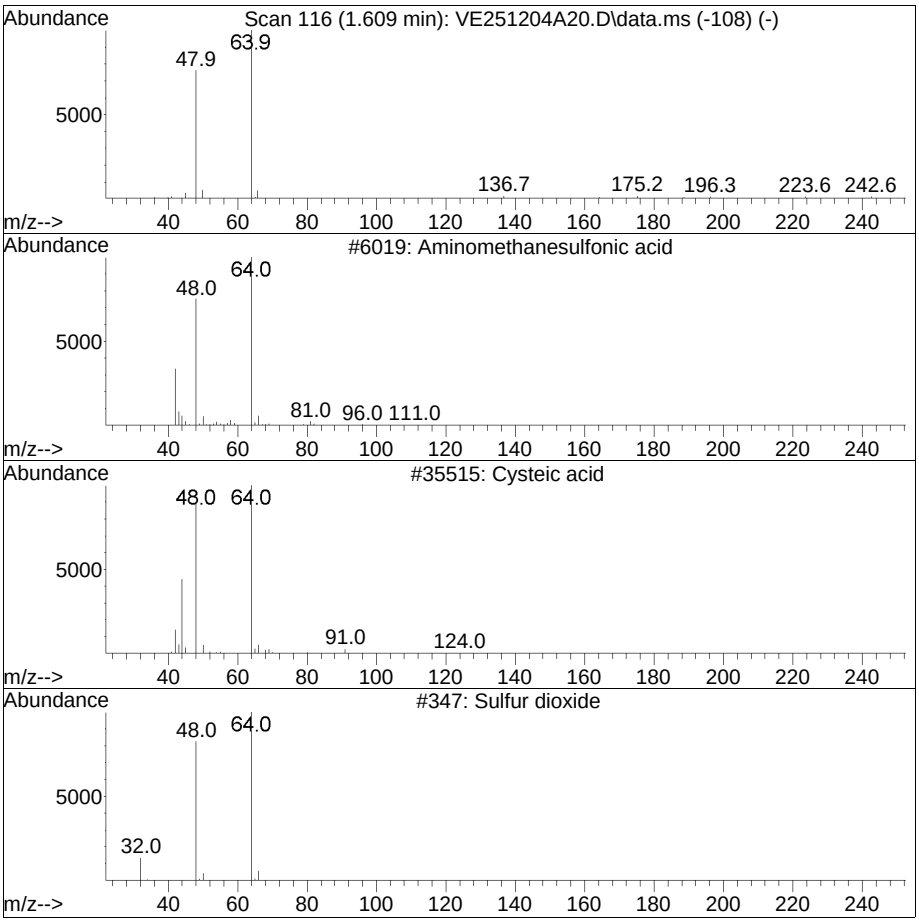
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

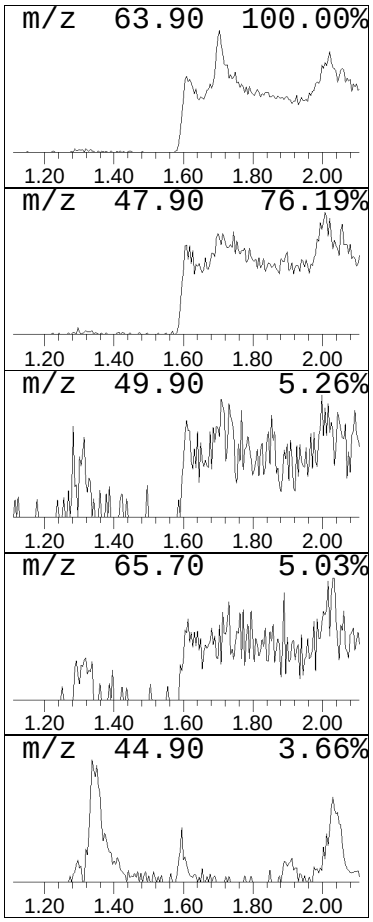
****

Peak Number 1 Unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.609	1.75 ug/L	85613	Fluorobenzene	5.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
2	Cysteic acid	169	C3H7NO5S	1000131-23-1	74
3	Sulfur dioxide	64	O2S	007446-09-5	74
4	Dibenzo[cd,g]indazole-3-sulfonic...	300	C14H8N2O4S	293765-87-4	64
5	Dihydropyrimidine-2-methyl thios...	208	C5H8N2O3S2	1000256-28-8	9





Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A20.D
Acq On : 4 Dec 2025 3:11 pm
Operator : ELAINE:MJV
Sample : L2575144-10,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

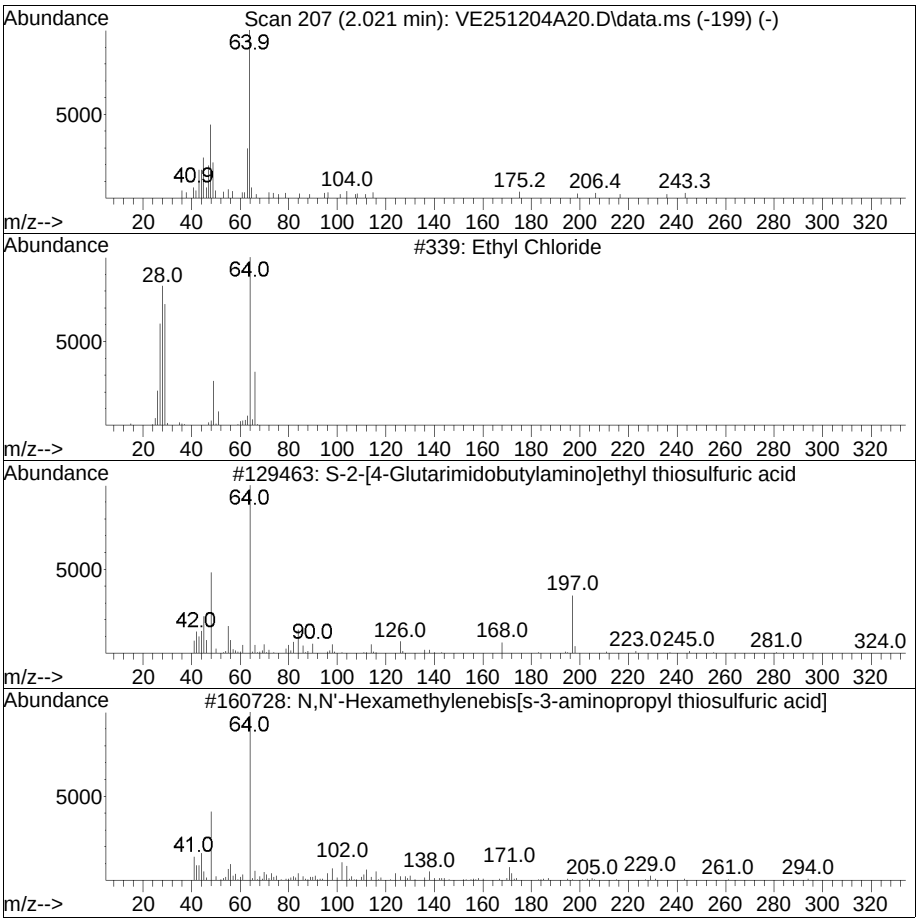
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

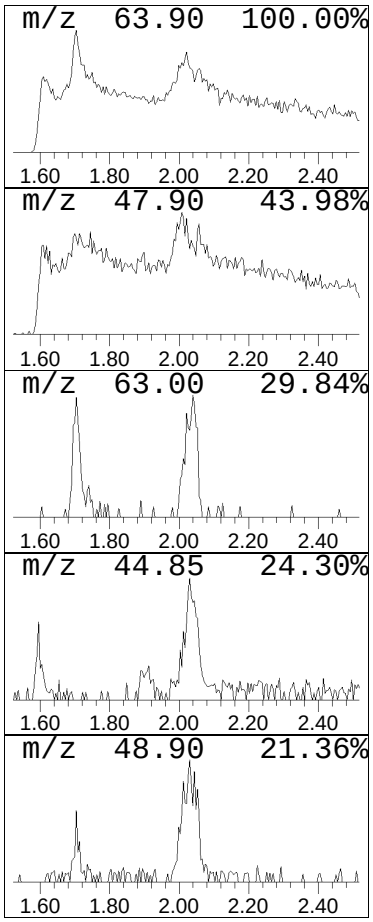
****

Peak Number 2 Unknown Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.021	1.19 ug/L	58169	Fluorobenzene	5.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Chloride	64	C2H5Cl	000075-00-3	64
2	S-2-[4-Glutarimidobutylamino]eth...	324	C11H20N2O5S2	031701-78-7	45
3	N,N'-Hexamethylenebis[s-3-aminop...	424	C12H28N2O6S4	035871-55-7	42
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	40
5	N,N'-Tetramethylenebis[s-3-amino...	396	C10H24N2O6S4	035871-61-5	36





Tentatively Identified Compound (LSC) summary

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A20.D
Acq On : 4 Dec 2025 3:11 pm
Operator : ELAINE:MJV
Sample : L2575144-10,31,10,10,,A
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown	1.609	1.8	ug/L	85613	1	5.634	487993	10.0
Unknown	2.021	1.2	ug/L	58169	1	5.634	487993	10.0

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2575144**
Project Name	**: 1000 TURK HILL RD GWS**	**Project Number**	**: 3113.0001Y000**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL22806**
Calibration dates	**: 11/10/25 21:41 11/11/25 01:18**		

Calibration Files

L11 =VE251110N04.D L1 =VE251110N05.D L2 =VE251110N07.D L3 =VE251110N09.D L4 =VE251110N10.D

L6 =VE251110N11.D L8 =VE251110N12.D L10 =VE251110N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.267	0.373	0.410	0.351	0.328	0.310	0.256	0.328	16.89
3)	TP	Chloromethane		0.437	0.499	0.506	0.453	0.403	0.392	0.377	0.438	11.60
4)	TP	Vinyl chloride	0.370	0.255	0.402	0.431	0.369	0.322	0.306	0.274	0.341	18.14
5)	TP	Bromomethane		0.146	0.139	0.148	0.151	0.162	0.168	0.180	0.156	9.29
6)	TP	Chloroethane		0.174	0.247	0.267	0.247	0.221	0.224	0.176	0.222	16.06
7)	TP	Trichlorofluor		0.279	0.471	0.515	0.429	0.395	0.391	0.346	0.404	19.37
8)	TP	Ethyl ether		0.119	0.117	0.130	0.131	0.137	0.144	0.146	0.132	8.71
10)	TP	1,1-Dichloroet		0.180	0.229	0.262	0.243	0.222	0.218	0.207	0.223	11.64
11)	TP	Carbon disulfide		0.616	0.844	0.883	0.777	0.729	0.727	0.707	0.755	11.83
12)	TP	Freon-113		0.157	0.205	0.256	0.232	0.222	0.219	0.192	0.212	14.90
13)	TP	Iodomethane			0.098	0.120	0.155	0.186	0.192	0.189	*Q	0.9976
14)	TP	Acrolein			0.045	0.031	0.041	0.038	0.040	0.037	0.039	12.33
15)	TP	Methylene chlo		0.319	0.312	0.294	0.265	0.240	0.240	0.230	0.271	13.62
17)	TP	Acetone			0.114	0.095	0.085	0.078	0.078	0.077	0.088	16.48
18)	TP	trans-1,2-Dich		0.151	0.216	0.240	0.235	0.221	0.221	0.207	0.213	13.89
19)	TP	Methyl acetate			0.173	0.155	0.156	0.150	0.157	0.155	0.158	4.98
21)	TP	Methyl tert butyl ether		0.359	0.406	0.454	0.508	0.552	0.590	0.595	0.495	18.54
22)	TP	tert-Butyl alc			0.016	0.016	0.016	0.015	0.017	0.016	0.016	2.88
24)	TP	Diisopropyl ether		0.783	0.897	1.029	1.120	1.159	1.205	1.192	1.055	15.27
25)	TP	1,1-Dichloroet		0.504	0.623	0.649	0.607	0.561	0.548	0.521	0.573	9.42
26)	TP	Halothane			0.131	0.157	0.160	0.157	0.158	0.150	0.152	7.24
27)	TP	Acrylonitrile		0.115	0.101	0.090	0.095	0.089	0.092	0.083	0.095	10.62
28)	TP	Ethyl tert-but		0.478	0.595	0.676	0.755	0.813	0.865	0.875	*Q	0.9993
29)	TP	Vinyl acetate		0.534	0.542	0.546	0.695	0.710	0.771	0.777	0.654	16.81
30)	TP	cis-1,2-Dichlo		0.229	0.249	0.279	0.274	0.258	0.254	0.244	0.256	6.70
31)	TP	2,2-Dichloropr		0.232	0.343	0.395	0.408	0.391	0.394	0.365	0.361	16.90
33)	TP	Bromochloromet		0.101	0.137	0.125	0.115	0.107	0.102	0.097	0.112	13.14
34)	TP	Cyclohexane		0.370	0.498	0.623	0.613	0.617	0.610	0.519	0.550	17.17
35)	TP	Chloroform		0.861	0.591	0.514	0.466	0.442	0.439	0.419	*L	0.9987
36)	TP	Ethyl acetate		0.218	0.192	0.216	0.234	0.241	0.255	0.247	0.229	9.47
37)	TP	Carbon tetrachloride	0.229	0.184	0.255	0.312	0.307	0.303	0.316	0.279	0.273	17.34
38)	TP	Tetrahydrofuran			0.082	0.084	0.086	0.079	0.080	0.082	0.082	3.14
39)	S	Dibromofluoromethane	0.304	0.305	0.296	0.290	0.268	0.250	0.246	0.246	0.276	9.45
40)	TP	1,1,1-Trichlor		0.233	0.322	0.386	0.388	0.371	0.373	0.345	0.345	15.88
42)	TP	2-Butanone			0.111	0.109	0.112	0.108	0.110	0.109	0.110	1.38

Initial Calibration Summary
Form 6
Volatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2575144**
Project Name	**: 1000 TURK HILL RD GWS**	**Project Number**	**: 3113.0001Y000**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL22806**
Calibration dates	**: 11/10/25 21:41 11/11/25 01:18**		

Calibration Files

L11 =VE251110N04.D L1 =VE251110N05.D L2 =VE251110N07.D L3 =VE251110N09.D L4 =VE251110N10.D

L6 =VE251110N11.D L8 =VE251110N12.D L10 =VE251110N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
43) TP	1,1-Dichloropr		0.186	0.247	0.303	0.333	0.334	0.335	0.308	0.292	19.22
45) TP	Benzene	0.796	0.755	0.917	0.987	1.001	0.985	1.002	0.974	0.927	10.56
46) TP	Tertiary-Amyl Methyl Ether		0.379	0.415	0.457	0.515	0.537	0.568	0.572	0.492	15.45
47) S	1,2-Dichloroethane-d4	0.393	0.377	0.388	0.390	0.419	0.335	0.344	0.357	0.376	7.52
48) T	1,2-Dichloroethane	0.398	0.356	0.377	0.380	0.393	0.386	0.394	0.382	0.383	3.48
51) TP	Methyl cyclohe			0.304	0.372	0.401	0.414	0.417	0.361	0.378	11.35
52) TP	Trichloroethene	0.181	0.201	0.210	0.232	0.237	0.243	0.247	0.238	0.224	10.52
54) TP	Dibromomethane		0.131	0.137	0.139	0.143	0.137	0.140	0.137	0.138	2.58
55) TP	1,2-Dichloropr		0.265	0.265	0.291	0.312	0.310	0.313	0.300	0.294	7.21
57) TP	2-Chloroethyl		0.094	0.099	0.115	0.130	0.135	0.140	0.116	0.118	14.99
58) TP	Bromodichlorom		0.244	0.303	0.307	0.345	0.343	0.347	0.339	0.318	11.77
61) TP	1,4-Dioxane		0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002#	9.00
62) TP	cis-1,3-Dichloropropene	0.286	0.251	0.293	0.346	0.391	0.408	0.417	0.405	0.350	18.61
63) I	Chlorobenzene-d5	----------ISTD----------									
64) S	Toluene-d8	1.318	1.344	1.331	1.366	1.357	1.383	1.312	1.295	1.338	2.22
65) TP	Toluene		0.647	0.727	0.784	0.774	0.771	0.760	0.729	0.742	6.35
66) TP	4-Methyl-2-pen			0.088	0.090	0.097	0.100	0.103	0.097	0.096	6.14
67) TP	Tetrachloroethene	0.135	0.187	0.231	0.276	0.271	0.277	0.275	0.257	*L	0.9987
69) TP	trans-1,3-Dichloropropene	0.185	0.360	0.319	0.378	0.434	0.472	0.475	0.465	*Q	0.9987
71) TP	Ethyl methacry		0.289	0.266	0.312	0.335	0.326	0.323	0.306	0.308	7.71
72) TP	1,1,2-Trichlor		0.177	0.163	0.182	0.201	0.210	0.212	0.205	0.193#	9.73
73) TP	Chlorodibromom		0.185	0.205	0.243	0.272	0.303	0.308	0.300	0.259	19.16
74) TP	1,3-Dichloropr		0.364	0.369	0.414	0.450	0.476	0.475	0.451	0.428	11.02
75) TP	1,2-Dibromoethane		0.234	0.201	0.212	0.233	0.244	0.245	0.233	0.229	7.20
77) TP	2-Hexanone		0.248	0.217	0.222	0.237	0.239	0.232	0.214	0.230	5.47
78) TP	Chlorobenzene		0.680	0.810	0.884	0.865	0.871	0.863	0.838	0.830	8.47
79) TP	Ethylbenzene		1.229	1.467	1.686	1.663	1.643	1.606	1.555	1.550	10.31
80) TP	1,1,1,2-Tetrac		0.157	0.223	0.240	0.264	0.291	0.294	0.292	0.252	19.89
81) TP	p/m Xylene		0.478	0.575	0.651	0.614	0.627	0.629	0.664	0.605	10.40
82) TP	o Xylene		0.436	0.582	0.626	0.616	0.634	0.640	0.666	0.600	12.78
83) TP	Styrene		0.759	0.975	1.031	1.063	1.127	1.149	1.229	1.047	14.50
84) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
85) TP	Bromoform		0.174	0.239	0.235	0.290	0.313	0.345	0.341	*Q	0.9982
87) TP	Isopropylbenzene		2.132	2.634	3.033	3.072	3.140	3.278	3.094	2.912	13.63
88) S	4-Bromofluorobenzene	1.017	1.014	0.983	0.953	0.916	0.911	0.923	0.909	0.953	4.79
89) TP	Bromobenzene		0.559	0.611	0.609	0.602	0.621	0.631	0.601	0.605	3.77

Initial Calibration Summary
Form 6
Volatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2575144**
Project Name	**: 1000 TURK HILL RD GWS**	**Project Number**	**: 3113.0001Y000**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL22806**
Calibration dates	**: 11/10/25 21:41 11/11/25 01:18**		

Calibration Files
L11 =VE251110N04.D L1 =VE251110N05.D L2 =VE251110N07.D L3 =VE251110N09.D L4 =VE251110N10.D
L6 =VE251110N11.D L8 =VE251110N12.D L10 =VE251110N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
90) TP	n-Propylbenzene		2.587	3.551	3.834	3.872	3.923	4.072	3.838	3.668	13.66
91) TP	1,4-Dichlorobu		1.064	1.169	1.147	1.217	1.238	1.290	1.229	1.193	6.18
92) TP	1,1,2,2-Tetrachloroethane	0.601	0.584	0.555	0.529	0.554	0.522	0.543	0.508	0.549	5.69
93) TP	4-Ethyltoluene		2.139	2.791	3.002	3.008	2.996	3.107	2.985	2.861	11.61
94) TP	2-Chlorotoluene		2.087	2.192	2.330	2.207	2.138	2.313	2.205	2.210	3.96
95) TP	1,3,5-Trimethy		1.809	2.371	2.597	2.688	2.775	2.865	2.843	2.564	14.56
96) TP	1,2,3-Trichlor		0.502	0.464	0.455	0.479	0.487	0.520	0.513	0.489	5.03
97) TP	trans-1,4-Dich		0.268	0.226	0.233	0.252	0.249	0.262	0.241	0.247	6.12
98) TP	4-Chlorotoluene		1.754	2.189	2.340	2.326	2.323	2.406	2.311	2.235	9.92
99) TP	tert-Butylbenzene		1.575	1.920	2.199	2.193	2.225	2.283	2.155	2.079	12.03
102) TP	1,2,4-Trimethy		1.881	2.275	2.610	2.678	2.804	2.847	2.805	2.557	13.93
103) TP	sec-Butylbenzene		2.158	2.956	3.393	3.366	3.491	3.566	3.353	3.183	15.45
104) TP	p-Isopropyltol		1.660	2.415	2.758	2.866	2.969	3.025	2.981	2.668	18.39
105) TP	1,3-Dichlorobe		1.082	1.287	1.354	1.385	1.375	1.397	1.392	1.325	8.55
106) TP	1,4-Dichlorobe		1.145	1.302	1.333	1.337	1.333	1.367	1.378	1.314	5.97
107) TP	p-Diethylbenzene		1.057	1.330	1.657	1.689	1.725	1.799	1.785	1.577	17.64
108) TP	n-Butylbenzene		1.691	2.284	2.769	2.829	2.850	2.936	2.825	2.598	17.45
109) TP	1,2-Dichlorobe		0.979	1.175	1.283	1.310	1.266	1.300	1.299	1.230	9.74
110) TP	1,2,4,5-Tetram			2.021	2.609	2.675	2.781	3.014	2.903	2.667	13.10
111) TP	1,2-Dibromo-3-		0.034	0.066	0.079	0.079	0.081	0.086	0.080	*L	0.9992
112) TP	1,3,5-Trichlor		0.564	0.791	0.832	0.848	0.857	0.897	0.867	0.808	13.91
113) TP	Hexachlorobuta		0.111	0.170	0.212	0.214	0.220	0.223	0.201	*L	0.9977
114) TP	1,2,4-Trichlor		0.544	0.578	0.677	0.692	0.715	0.736	0.721	0.666	11.23
115) TP	Naphthalene		1.141	1.323	1.649	1.787	1.886	1.975	1.862	1.660	18.89
116) TP	1,2,3-Trichlor		0.466	0.504	0.568	0.609	0.635	0.661	0.625	0.581	12.48

Response Factor Report Elaine

Method Path : K:\Elaine\2025\251110NICAL\
Method File : Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Nov 12 12:15:18 2025
Response Via : Initial Calibration

Calibration Files
L11 =VE251110N04.D L1 =VE251110N05.D L2 =VE251110N07.D L3 =VE251110N09.D L4 =VE251110N10.D
L6 =VE251110N11.D L8 =VE251110N12.D L10 =VE251110N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------	ISTD	----------							
2)	TP	Dichlorodifluo...		0.267	0.373	0.410	0.351	0.328	0.310	0.256	0.328	16.89
3)	TP	Chloromethane		0.437	0.499	0.506	0.453	0.403	0.392	0.377	0.438	11.60
4)	TP	Vinyl chloride	0.370	0.255	0.402	0.431	0.369	0.322	0.306	0.274	0.341	18.14
5)	TP	Bromomethane		0.146	0.139	0.148	0.151	0.162	0.168	0.180	0.156	9.29
6)	TP	Chloroethane		0.174	0.247	0.267	0.247	0.221	0.224	0.176	0.222	16.06
7)	TP	Trichlorofluor...		0.279	0.471	0.515	0.429	0.395	0.391	0.346	0.404	19.37
8)	TP	Ethyl ether		0.119	0.117	0.130	0.131	0.137	0.144	0.146	0.132	8.71
10)	TP	1,1-Dichloroet...		0.180	0.229	0.262	0.243	0.222	0.218	0.207	0.223	11.64
11)	TP	Carbon disulfide		0.616	0.844	0.883	0.777	0.729	0.727	0.707	0.755	11.83
12)	TP	Freon-113		0.157	0.205	0.256	0.232	0.222	0.219	0.192	0.212	14.90
13)	TP	Iodomethane			0.098	0.120	0.155	0.186	0.192	0.189	*Q	0.9976
14)	TP	Acrolein			0.045	0.031	0.041	0.038	0.040	0.037	0.039	12.33
15)	TP	Methylene chlo...		0.319	0.312	0.294	0.265	0.240	0.240	0.230	0.271	13.62
17)	TP	Acetone			0.114	0.095	0.085	0.078	0.078	0.077	0.088	16.48
18)	TP	trans-1,2-Dich...		0.151	0.216	0.240	0.235	0.221	0.221	0.207	0.213	13.89
19)	TP	Methyl acetate			0.173	0.155	0.156	0.150	0.157	0.155	0.158	4.98
21)	TP	Methyl tert-bu...		0.359	0.406	0.454	0.508	0.552	0.590	0.595	0.495	18.54
22)	TP	tert-Butyl alc...			0.016	0.016	0.016	0.015	0.017	0.016	0.016	2.88
24)	TP	Diisopropyl ether		0.783	0.897	1.029	1.120	1.159	1.205	1.192	1.055	15.27
25)	TP	1,1-Dichloroet...		0.504	0.623	0.649	0.607	0.561	0.548	0.521	0.573	9.42
26)	TP	Halothane			0.131	0.157	0.160	0.157	0.158	0.150	0.152	7.24
27)	TP	Acrylonitrile		0.115	0.101	0.090	0.095	0.089	0.092	0.083	0.095	10.62
28)	TP	Ethyl tert-but...		0.478	0.595	0.676	0.755	0.813	0.865	0.875	*Q	0.9993
29)	TP	Vinyl acetate		0.534	0.542	0.546	0.695	0.710	0.771	0.777	0.654	16.81
30)	TP	cis-1,2-Dichlo...		0.229	0.249	0.279	0.274	0.258	0.254	0.244	0.256	6.70
31)	TP	2,2-Dichloropr...		0.232	0.343	0.395	0.408	0.391	0.394	0.365	0.361	16.90
33)	TP	Bromochloromet...		0.101	0.137	0.125	0.115	0.107	0.102	0.097	0.112	13.14
34)	TP	Cyclohexane		0.370	0.498	0.623	0.613	0.617	0.610	0.519	0.550	17.17
35)	TP	Chloroform		0.861	0.591	0.514	0.466	0.442	0.439	0.419	*L	0.9987
36)	TP	Ethyl acetate		0.218	0.192	0.216	0.234	0.241	0.255	0.247	0.229	9.47

Method Path : K:\Elaine\2025\251110NICAL\
Method File : Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Nov 12 12:15:18 2025
Response Via : Initial Calibration

Calibration Files
L11 =VE251110N04.D L1 =VE251110N05.D L2 =VE251110N07.D L3 =VE251110N09.D L4 =VE251110N10.D
L6 =VE251110N11.D L8 =VE251110N12.D L10 =VE251110N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
37)	TP	Carbon tetrach...	0.229	0.184	0.255	0.312	0.307	0.303	0.316	0.279	0.273	17.34
38)	TP	Tetrahydrofuran			0.082	0.084	0.086	0.079	0.080	0.082	0.082	3.14
39)	S	Dibromofluorom...	0.304	0.305	0.296	0.290	0.268	0.250	0.246	0.246	0.276	9.45
40)	TP	1,1,1-Trichlor...		0.233	0.322	0.386	0.388	0.371	0.373	0.345	0.345	15.88
42)	TP	2-Butanone			0.111	0.109	0.112	0.108	0.110	0.109	0.110	1.38
43)	TP	1,1-Dichloropr...		0.186	0.247	0.303	0.333	0.334	0.335	0.308	0.292	19.22
45)	TP	Benzene	0.796	0.755	0.917	0.987	1.001	0.985	1.002	0.974	0.927	10.56
46)	TP	tert-Amyl meth...		0.379	0.415	0.457	0.515	0.537	0.568	0.572	0.492	15.45
47)	S	1,2-Dichloroet...	0.393	0.377	0.388	0.390	0.419	0.335	0.344	0.357	0.376	7.52
48)	T	1,2-Dichloroet...	0.398	0.356	0.377	0.380	0.393	0.386	0.394	0.382	0.383	3.48
51)	TP	Methyl cyclohe...			0.304	0.372	0.401	0.414	0.417	0.361	0.378	11.35
52)	TP	Trichloroethene	0.181	0.201	0.210	0.232	0.237	0.243	0.247	0.238	0.224	10.52
54)	TP	Dibromomethane		0.131	0.137	0.139	0.143	0.137	0.140	0.137	0.138	2.58
55)	TP	1,2-Dichloropr...		0.265	0.265	0.291	0.312	0.310	0.313	0.300	0.294	7.21
57)	TP	2-Chloroethyl ...		0.094	0.099	0.115	0.130	0.135	0.140	0.116	0.118	14.99
58)	TP	Bromodichlorom...		0.244	0.303	0.307	0.345	0.343	0.347	0.339	0.318	11.77
61)	TP	1,4-Dioxane		0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002#	9.00
62)	TP	cis-1,3-Dichlo...	0.286	0.251	0.293	0.346	0.391	0.408	0.417	0.405	0.350	18.61
63)	I	Chlorobenzene-d5	----------	ISTD	----------							
64)	S	Toluene-d8	1.318	1.344	1.331	1.366	1.357	1.383	1.312	1.295	1.338	2.22
65)	TP	Toluene		0.647	0.727	0.784	0.774	0.771	0.760	0.729	0.742	6.35
66)	TP	4-Methyl-2-pen...			0.088	0.090	0.097	0.100	0.103	0.097	0.096	6.14
67)	TP	Tetrachloroethene	0.135	0.187	0.231	0.276	0.271	0.277	0.275	0.257	*L	0.9987
69)	TP	trans-1,3-Dich...	0.185	0.360	0.319	0.378	0.434	0.472	0.475	0.465	*Q	0.9987
71)	TP	Ethyl methacry...		0.289	0.266	0.312	0.335	0.326	0.323	0.306	0.308	7.71
72)	TP	1,1,2-Trichlor...		0.177	0.163	0.182	0.201	0.210	0.212	0.205	0.193#	9.73
73)	TP	Chlorodibromom...		0.185	0.205	0.243	0.272	0.303	0.308	0.300	0.259	19.16
74)	TP	1,3-Dichloropr...		0.364	0.369	0.414	0.450	0.476	0.475	0.451	0.428	11.02
75)	TP	1,2-Dibromoethane		0.234	0.201	0.212	0.233	0.244	0.245	0.233	0.229	7.20
77)	TP	2-Hexanone		0.248	0.217	0.222	0.237	0.239	0.232	0.214	0.230	5.47
78)	TP	Chlorobenzene		0.680	0.810	0.884	0.865	0.871	0.863	0.838	0.830	8.47

Method Path : K:\Elaine\2025\251110NICAL\
Method File : Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Nov 12 12:15:18 2025
Response Via : Initial Calibration

Calibration Files
L11 =VE251110N04.D L1 =VE251110N05.D L2 =VE251110N07.D L3 =VE251110N09.D L4 =VE251110N10.D
L6 =VE251110N11.D L8 =VE251110N12.D L10 =VE251110N13.D

		Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
79)	TP	Ethylbenzene		1.229	1.467	1.686	1.663	1.643	1.606	1.555	1.550		10.31
80)	TP	1,1,1,2-Tetrac...		0.157	0.223	0.240	0.264	0.291	0.294	0.292	0.252		19.89
81)	TP	p/m Xylene		0.478	0.575	0.651	0.614	0.627	0.629	0.664	0.605		10.40
82)	TP	o Xylene		0.436	0.582	0.626	0.616	0.634	0.640	0.666	0.600		12.78
83)	TP	Styrene		0.759	0.975	1.031	1.063	1.127	1.149	1.229	1.047		14.50
84)	I	1,4-Dichlorobenzene-d4		----------ISTD----------									
85)	TP	Bromoform		0.174	0.239	0.235	0.290	0.313	0.345	0.341	*Q		0.9982
87)	TP	Isopropylbenzene		2.132	2.634	3.033	3.072	3.140	3.278	3.094	2.912		13.63
88)	S	4-Bromofluorob...	1.017	1.014	0.983	0.953	0.916	0.911	0.923	0.909	0.953		4.79
89)	TP	Bromobenzene		0.559	0.611	0.609	0.602	0.621	0.631	0.601	0.605		3.77
90)	TP	n-Propylbenzene		2.587	3.551	3.834	3.872	3.923	4.072	3.838	3.668		13.66
91)	TP	1,4-Dichlorobu...		1.064	1.169	1.147	1.217	1.238	1.290	1.229	1.193		6.18
92)	TP	1,1,2,2-Tetrac...	0.601	0.584	0.555	0.529	0.554	0.522	0.543	0.508	0.549		5.69
93)	TP	4-Ethyltoluene		2.139	2.791	3.002	3.008	2.996	3.107	2.985	2.861		11.61
94)	TP	2-Chlorotoluene		2.087	2.192	2.330	2.207	2.138	2.313	2.205	2.210		3.96
95)	TP	1,3,5-Trimethy...		1.809	2.371	2.597	2.688	2.775	2.865	2.843	2.564		14.56
96)	TP	1,2,3-Trichlor...		0.502	0.464	0.455	0.479	0.487	0.520	0.513	0.489		5.03
97)	TP	trans-1,4-Dich...		0.268	0.226	0.233	0.252	0.249	0.262	0.241	0.247		6.12
98)	TP	4-Chlorotoluene		1.754	2.189	2.340	2.326	2.323	2.406	2.311	2.235		9.92
99)	TP	tert-Butylbenzene		1.575	1.920	2.199	2.193	2.225	2.283	2.155	2.079		12.03
102)	TP	1,2,4-Trimethy...		1.881	2.275	2.610	2.678	2.804	2.847	2.805	2.557		13.93
103)	TP	sec-Butylbenzene		2.158	2.956	3.393	3.366	3.491	3.566	3.353	3.183		15.45
104)	TP	p-Isopropyltol...		1.660	2.415	2.758	2.866	2.969	3.025	2.981	2.668		18.39
105)	TP	1,3-Dichlorobe...		1.082	1.287	1.354	1.385	1.375	1.397	1.392	1.325		8.55
106)	TP	1,4-Dichlorobe...		1.145	1.302	1.333	1.337	1.333	1.367	1.378	1.314		5.97
107)	TP	p-Diethylbenzene		1.057	1.330	1.657	1.689	1.725	1.799	1.785	1.577		17.64
108)	TP	n-Butylbenzene		1.691	2.284	2.769	2.829	2.850	2.936	2.825	2.598		17.45
109)	TP	1,2-Dichlorobe...		0.979	1.175	1.283	1.310	1.266	1.300	1.299	1.230		9.74
110)	TP	1,2,4,5-Tetram...			2.021	2.609	2.675	2.781	3.014	2.903	2.667		13.10
111)	TP	1,2-Dibromo-3-...		0.034	0.066	0.079	0.079	0.081	0.086	0.080	*L		0.9992
112)	TP	1,3,5-Trichlor...		0.564	0.791	0.832	0.848	0.857	0.897	0.867	0.808		13.91

Method Path : K:\Elaine\2025\251110NICAL\
Method File : Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Nov 12 12:15:18 2025
Response Via : Initial Calibration

Calibration Files
L11 =VE251110N04.D L1 =VE251110N05.D L2 =VE251110N07.D L3 =VE251110N09.D L4 =VE251110N10.D
L6 =VE251110N11.D L8 =VE251110N12.D L10 =VE251110N13.D

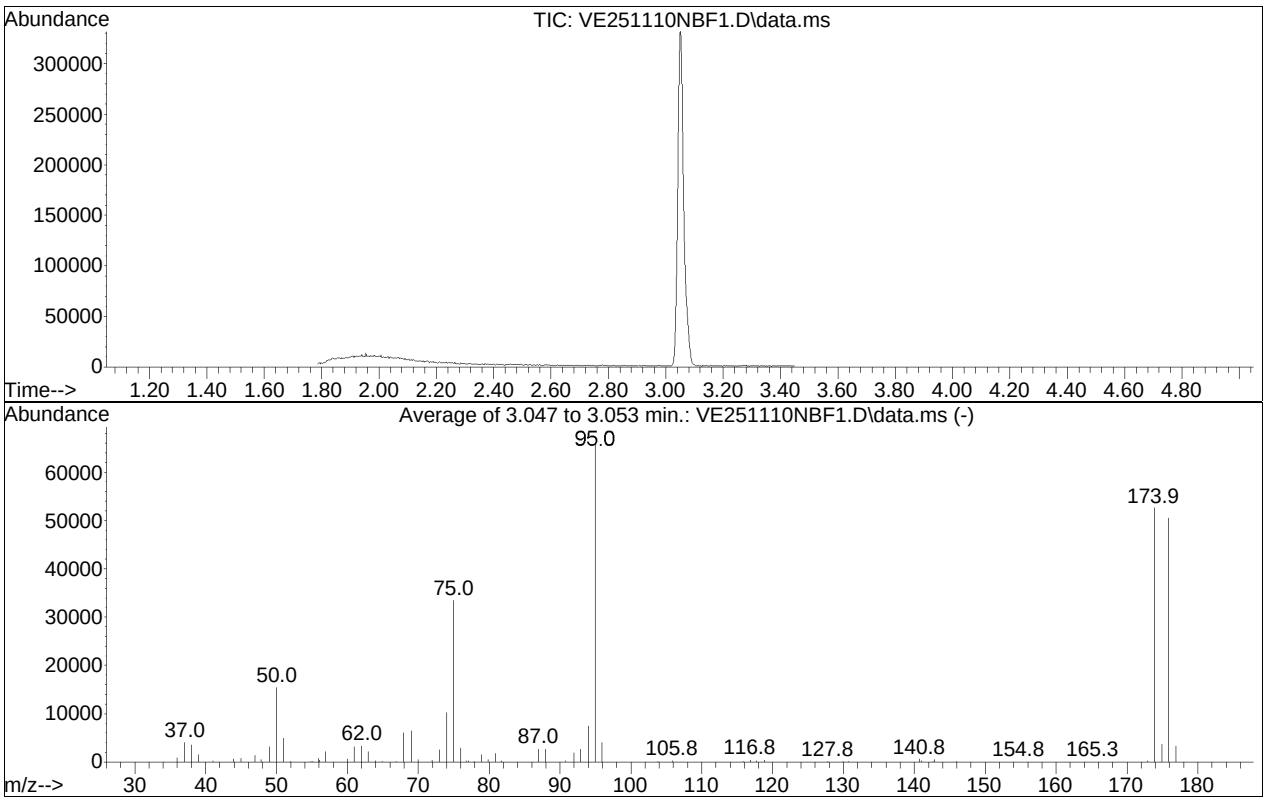
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
113)	TP Hexachlorobuta...	0.111	0.170	0.212	0.214	0.220	0.223	0.201	*L	0.9977	
114)	TP 1,2,4-Trichlor...	0.544	0.578	0.677	0.692	0.715	0.736	0.721	0.666	11.23	
115)	TP Naphthalene	1.141	1.323	1.649	1.787	1.886	1.975	1.862	1.660	18.89	
116)	TP 1,2,3-Trichlor...	0.466	0.504	0.568	0.609	0.635	0.661	0.625	0.581	12.48	

(#) = Out of Range

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110NBF1.D
Acq On : 10 Nov 2025 7:57 pm
Operator : ELAINE:PID
Sample : WG2140152-1
Misc : WG2140152
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Tue Nov 11 14:01:47 2025



AutoFind: Scans 453, 454, 455; Background Corrected with Scan 442

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.4	15452	PASS
75	95	30	60	50.7	33499	PASS
95	95	100	100	100.0	66109	PASS
96	95	5	9	6.2	4087	PASS
173	174	0.00	2	0.6	306	PASS
174	95	50	100	79.6	52600	PASS
175	174	5	9	7.2	3770	PASS
176	174	95	101	96.0	50472	PASS
177	176	5	9	6.5	3275	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N04.D
Acq On : 10 Nov 2025 9:41 pm
Operator : ELAINE:PID
Sample : I8260STD0.19PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 11 13:21:00 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-L11_NJnew - L11 new NJ

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.638	96	179608	10.000 ug/L	0.00
Standard Area 1 = 194422			Recovery = 92.38%		
63) Chlorobenzene-d5	9.131	117	149561	10.000 ug/L	0.00
Standard Area 1 = 153144			Recovery = 97.66%		
84) 1,4-Dichlorobenzene-d4	11.910	152	80751	10.000 ug/L	0.00
Standard Area 1 = 86422			Recovery = 93.44%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.847	113	54611	10.486 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.86%		
47) 1,2-Dichloroethane-d4	5.353	65	70656	10.090 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.90%		
64) Toluene-d8	7.305	98	197167	9.650 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.50%		
88) 4-Bromofluorobenzene	10.664	95	82135	10.674 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.74%		
Target Compounds					Qvalue
4) Vinyl chloride	1.708	62	1262M6	0.163 ug/L	
37) Carbon tetrachloride	4.806	117	780	0.139 ug/L #	52
45) Benzene	5.217	78	2716	0.153 ug/L #	58
48) 1,2-Dichloroethane	5.410	62	1358	0.199 ug/L	78
52) Trichloroethene	5.800	95	618	0.148 ug/L #	22
62) cis-1,3-Dichloropropene	7.117	75	975	0.157 ug/L #	37
67) Tetrachloroethene	7.801	166	383M4	0.093 ug/L	
69) trans-1,3-Dichloropropene	7.854	75	525M6	0.093 ug/L	
92) 1,1,2,2-Tetrachloroethane	10.937	83	922	0.216 ug/L #	86

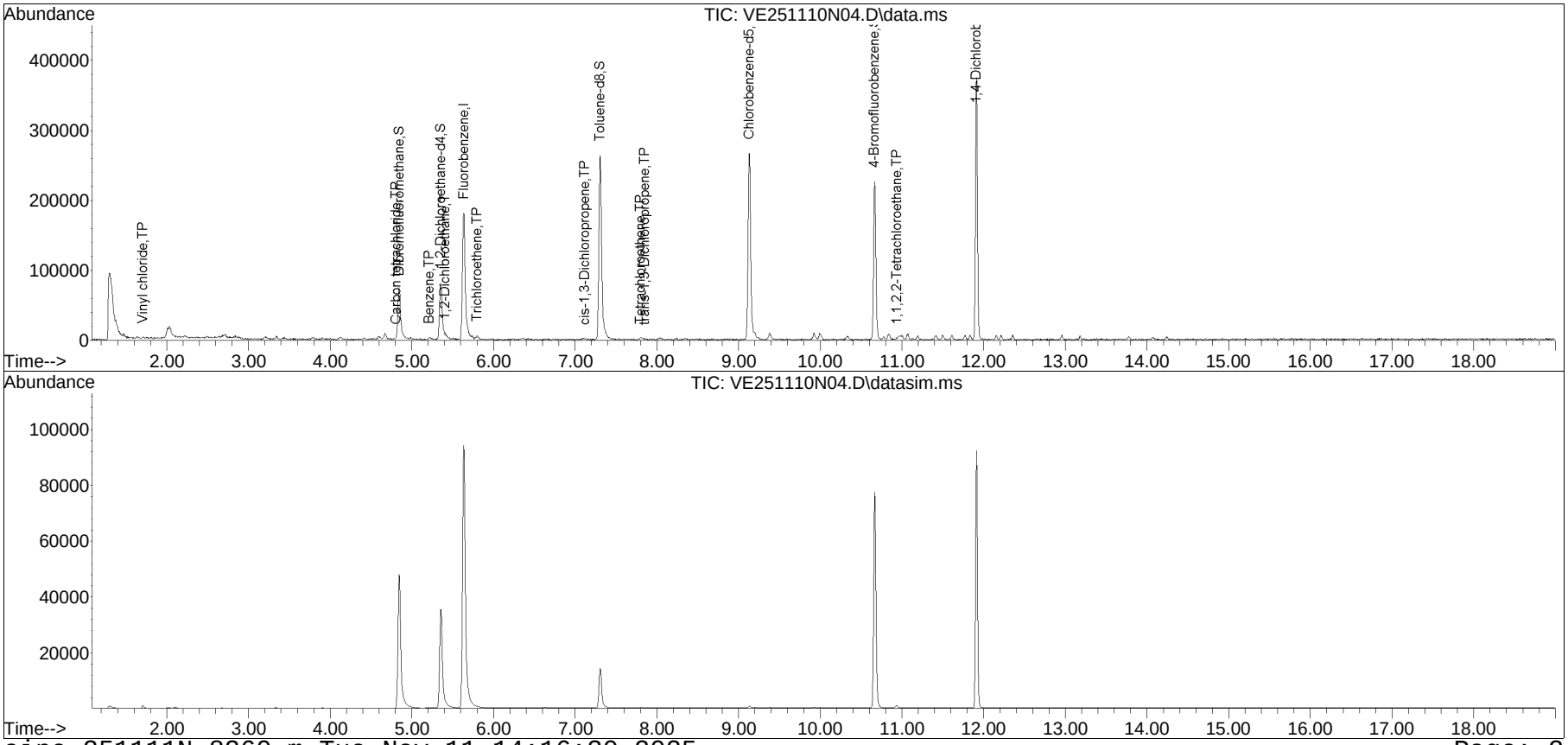
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N04.D
Acq On : 10 Nov 2025 9:41 pm
Operator : ELAINE:PID
Sample : I8260STD0.19PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 11 13:21:00 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

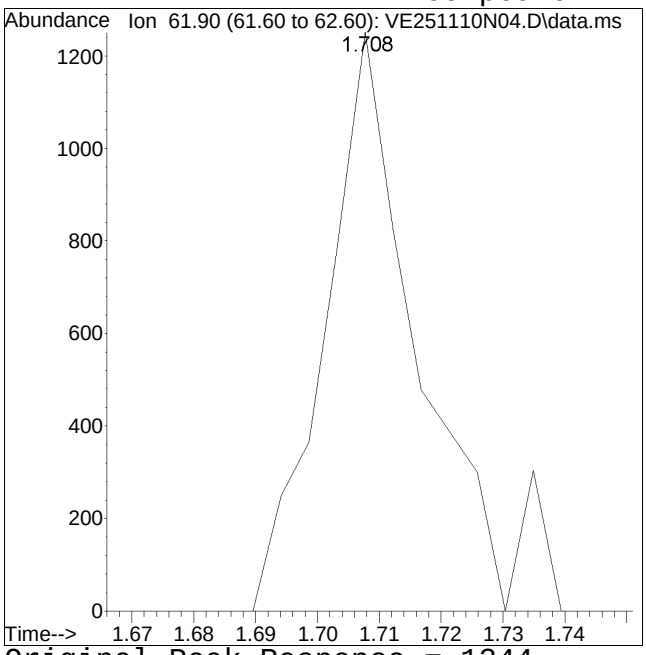
Sub List : 8260-L11_NJnew - L11 new NJCAL\VE251110N09.D•



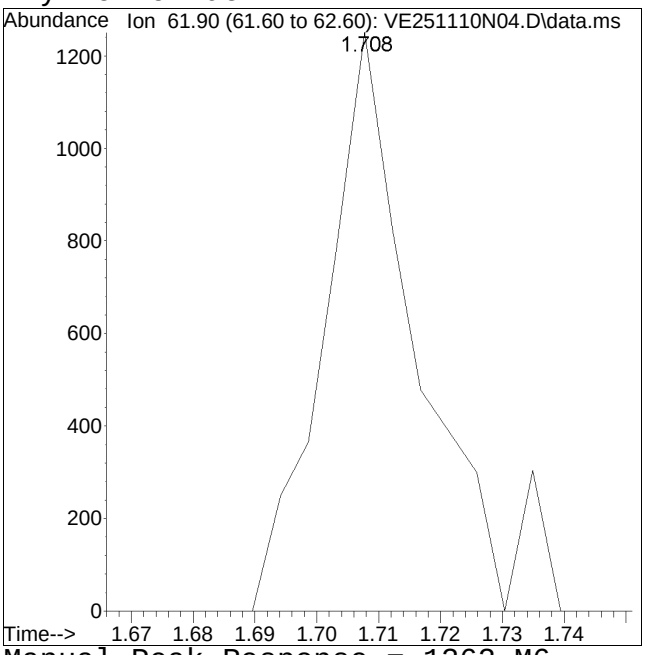
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N04.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 9:41 pm Instrument : Elaine
Sample : I8260STD0.19PPB Quant Date : 11/11/2025 1:19 pm

Compound #4: Vinyl chloride



Original Peak Response = 1344



Manual Peak Response = 1262 M6

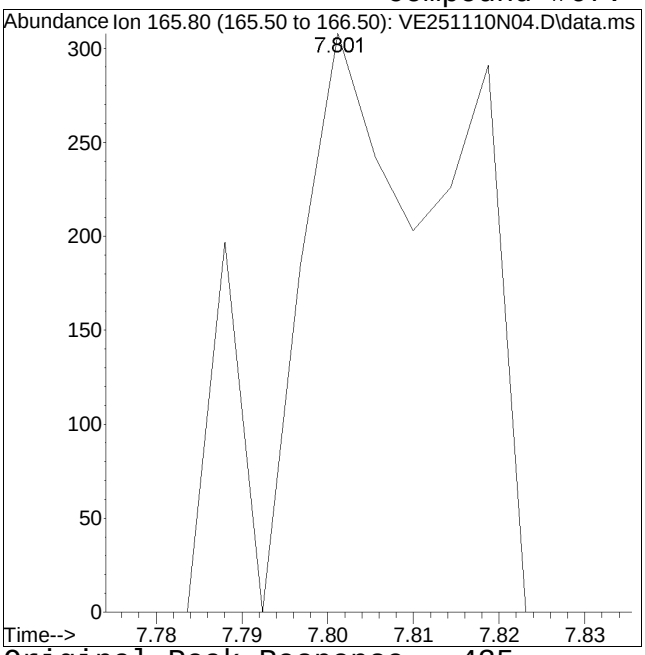
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

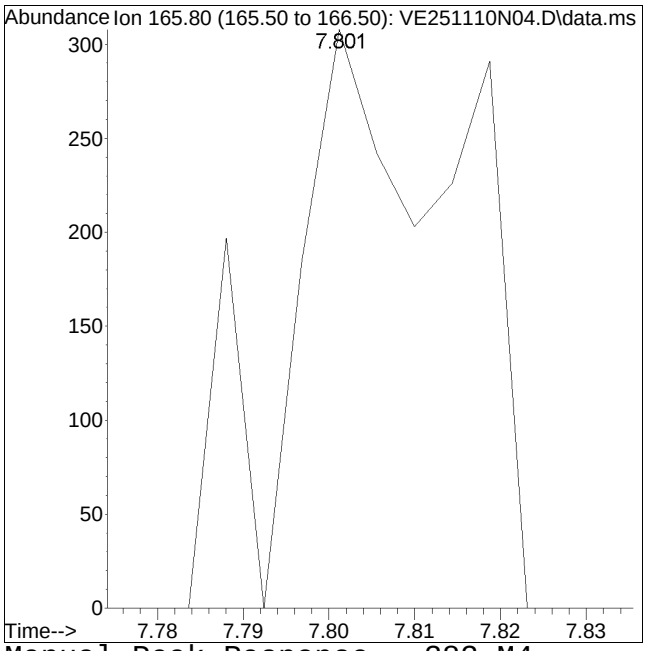
Data Path : K:\Elaine\2025\251110NICALQ
Data File : VE251110N04.D
Date Inj'd : 11/10/2025 9:41 pm
Sample : I8260STD0.19PPB

Method : Elaine_251111N_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 11/11/2025 1:19 pm

Compound #67: Tetrachloroethene



Original Peak Response = 435



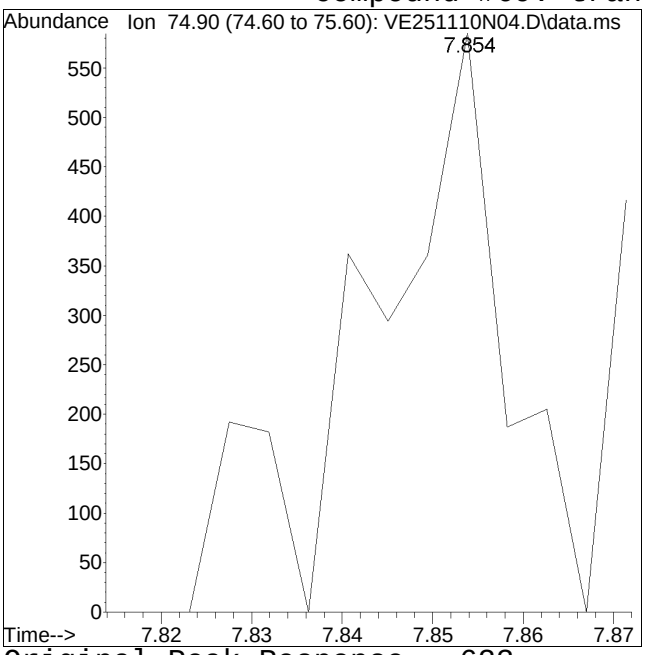
Manual Peak Response = 383 M4

M4 = Poor automated baseline construction.

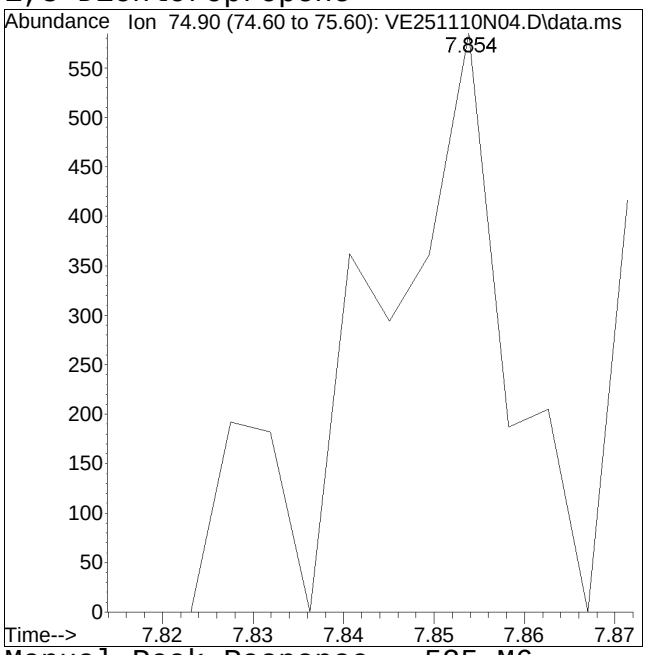
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N04.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 9:41 pm Instrument : Elaine
Sample : I8260STD0.19PPB Quant Date : 11/11/2025 1:19 pm

Compound #69: trans-1,3-Dichloropropene



Original Peak Response = 623



Manual Peak Response = 525 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N05.D
Acq On : 10 Nov 2025 10:05 pm
Operator : ELAINE:PID
Sample : I8260STD0.5PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 11 13:23:36 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.634	96	178679	10.000 ug/L	0.00
Standard Area 1 = 194422			Recovery = 91.90%		
63) Chlorobenzene-d5	9.131	117	146749	10.000 ug/L	0.00
Standard Area 1 = 153144			Recovery = 95.82%		
84) 1,4-Dichlorobenzene-d4	11.911	152	81168	10.000 ug/L	0.00
Standard Area 1 = 86422			Recovery = 93.92%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.847	113	54481	10.516 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.16%		
47) 1,2-Dichloroethane-d4	5.357	65	67413	9.676 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.76%		
64) Toluene-d8	7.301	98	197257	9.839 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.39%		
88) 4-Bromofluorobenzene	10.668	95	82288	10.639 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.39%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.468	85	2388M6	0.326 ug/L	
3) Chloromethane	1.640	50	3907	0.432 ug/L	90
4) Vinyl chloride	1.713	62	2282	0.296 ug/L	89
5) Bromomethane	1.984	94	1300	0.493 ug/L #	77
6) Chloroethane	2.098	64	1558	0.327 ug/L	90
7) Trichlorofluoromethane	2.220	101	2492	0.271 ug/L	87
8) Ethyl ether	2.505	74	1059	0.456 ug/L #	20
10) 1,1-Dichloroethene	2.677	96	1612	0.344 ug/L	94
11) Carbon disulfide	2.705	76	5500M3	0.349 ug/L	
12) Freon-113	2.709	101	1401	0.307 ug/L #	76
13) Iodomethane	2.800	142	581	0.270 ug/L #	44
14) Acrolein	0.000		0	N.D. d	
15) Methylene chloride	3.207	84	2853	0.543 ug/L	86
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	3.352	96	1348	0.314 ug/L	87
19) Methyl acetate	0.000		0	N.D. d	
21) Methyl tert-butyl ether	3.443	73	3208	0.396 ug/L #	87
22) tert-Butyl alcohol	0.000		0	N.D. d	
24) Diisopropyl ether	3.778	45	6996	0.381 ug/L	93
25) 1,1-Dichloroethane	3.905	63	4505	0.389 ug/L	85
26) Halothane	3.964	117	618	0.220 ug/L #	70

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N05.D
Acq On : 10 Nov 2025 10:05 pm
Operator : ELAINE:PID
Sample : I8260STD0.5PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 11 13:23:36 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.946	53	1023	0.633	ug/L	#	81
28) Ethyl tert-butyl ether	4.127	59	4274	0.354	ug/L	#	49
29) Vinyl acetate	4.150	43	4768	0.489	ug/L	#	88
30) cis-1,2-Dichloroethene	4.412	96	2050	0.411	ug/L		85
31) 2,2-Dichloropropane	4.494	77	2073	0.294	ug/L		75
33) Bromochloromethane	4.603	128	902	0.404	ug/L	#	80
34) Cyclohexane	4.607	56	3303	0.297	ug/L		83
35) Chloroform	4.671	83	7693	0.838	ug/L		96
36) Ethyl acetate	4.793	43	1947M6	0.504	ug/L		
37) Carbon tetrachloride	4.798	117	1644	0.295	ug/L	#	67
38) Tetrahydrofuran	0.000		0	N.D.	d		
40) 1,1,1-Trichloroethane	4.865	97	2080	0.302	ug/L	#	87
42) 2-Butanone	0.000		0	N.D.	d		
43) 1,1-Dichloropropene	4.974	75	1662	0.307	ug/L		88
45) Benzene	5.226	78	6746	0.382	ug/L		97
46) tert-Amyl methyl ether	5.344	73	3387	0.415	ug/L		94
48) 1,2-Dichloroethane	5.428	62	3178	0.468	ug/L		89
51) Methyl cyclohexane	5.787	83	1784	0.269	ug/L		84
52) Trichloroethene	5.822	95	1794	0.433	ug/L	#	35
54) Dibromomethane	6.239	93	1174	0.471	ug/L		93
55) 1,2-Dichloropropane	6.336	63	2368	0.455	ug/L	#	82
57) 2-Chloroethyl vinyl ether	7.047	63	838	0.407	ug/L	#	92
58) Bromodichloromethane	6.424	83	2179	0.397	ug/L	#	90
61) 1,4-Dioxane	6.630	88	3593	111.074	ug/L		92
62) cis-1,3-Dichloropropene	7.104	75	2245	0.363	ug/L	#	83
65) Toluene	7.367	92	4749	0.413	ug/L		84
66) 4-Methyl-2-pentanone	0.000		0	N.D.	d		
67) Tetrachloroethene	7.806	166	1369	0.338	ug/L		94
69) trans-1,3-Dichloropropene	7.845	75	2640M1	0.476	ug/L		
71) Ethyl methacrylate	8.043	69	2120	0.463	ug/L		94
72) 1,1,2-Trichloroethane	8.017	83	1296	0.486	ug/L		89
73) Chlorodibromomethane	8.245	129	1359M6	0.381	ug/L		
74) 1,3-Dichloropropane	8.350	76	2668M6	0.439	ug/L		
75) 1,2-Dibromoethane	8.499	107	1716	0.552	ug/L	#	79
77) 2-Hexanone	8.793	43	1818	0.559	ug/L	#	58
78) Chlorobenzene	9.153	112	4993	0.385	ug/L	#	55
79) Ethylbenzene	9.188	91	9015	0.364	ug/L		96
80) 1,1,1,2-Tetrachloroethane	9.232	131	1154	0.328	ug/L	#	55
81) p/m Xylene	9.386	106	7013	0.734	ug/L		93
82) o Xylene	9.930	106	6396	0.697	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N05.D
Acq On : 10 Nov 2025 10:05 pm
Operator : ELAINE:PID
Sample : I8260STD0.5PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 11 13:23:36 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	9.995	104	11143	0.736	ug/L		97
85) Bromoform	10.017	173	705	0.370	ug/L		86
87) Isopropylbenzene	10.338	105	8652	0.351	ug/L		98
89) Bromobenzene	10.783	156	2269	0.459	ug/L		97
90) n-Propylbenzene	10.831	91	10501	0.337	ug/L	#	87
91) 1,4-Dichlorobutane	10.853	55	4317	0.464	ug/L	#	90
92) 1,1,2,2-Tetrachloroethane	10.928	83	2370	0.552	ug/L		93
93) 4-Ethyltoluene	10.968	105	8682	0.356	ug/L		98
94) 2-Chlorotoluene	10.999	91	8469	0.448	ug/L		95
95) 1,3,5-Trimethylbenzene	11.069	105	7343	0.348	ug/L		95
96) 1,2,3-Trichloropropane	11.065	75	2038	0.551	ug/L	#	84
97) trans-1,4-Dichloro-2-b...	11.122	53	1089	0.577	ug/L	#	64
98) 4-Chlorotoluene	11.197	91	7119	0.375	ug/L		98
99) tert-Butylbenzene	11.413	119	6393	0.358	ug/L		93
102) 1,2,4-Trimethylbenzene	11.497	105	7632	0.360	ug/L		90
103) sec-Butylbenzene	11.611	105	8757	0.318	ug/L		98
104) p-Isopropyltoluene	11.774	119	6736	0.301	ug/L		86
105) 1,3-Dichlorobenzene	11.840	146	4392	0.400	ug/L		97
106) 1,4-Dichlorobenzene	11.928	146	4647M3	0.429	ug/L		
107) p-Diethylbenzene	12.157	119	4290	0.319	ug/L		96
108) n-Butylbenzene	12.210	91	6864	0.305	ug/L		92
109) 1,2-Dichlorobenzene	12.356	146	3974	0.382	ug/L		97
110) 1,2,4,5-Tetramethylben...	12.955	119	6286	0.297	ug/L		97
111) 1,2-Dibromo-3-chloropr...	13.153	155	140M6	0.218	ug/L		
112) 1,3,5-Trichlorobenzene	13.184	180	2289	0.339	ug/L	#	88
113) Hexachlorobutadiene	13.757	225	451	0.262	ug/L		90
114) 1,2,4-Trichlorobenzene	13.783	180	2209	0.402	ug/L	#	85
115) Naphthalene	14.074	128	4632	0.346	ug/L		100
116) 1,2,3-Trichlorobenzene	14.237	180	1891	0.410	ug/L	#	95

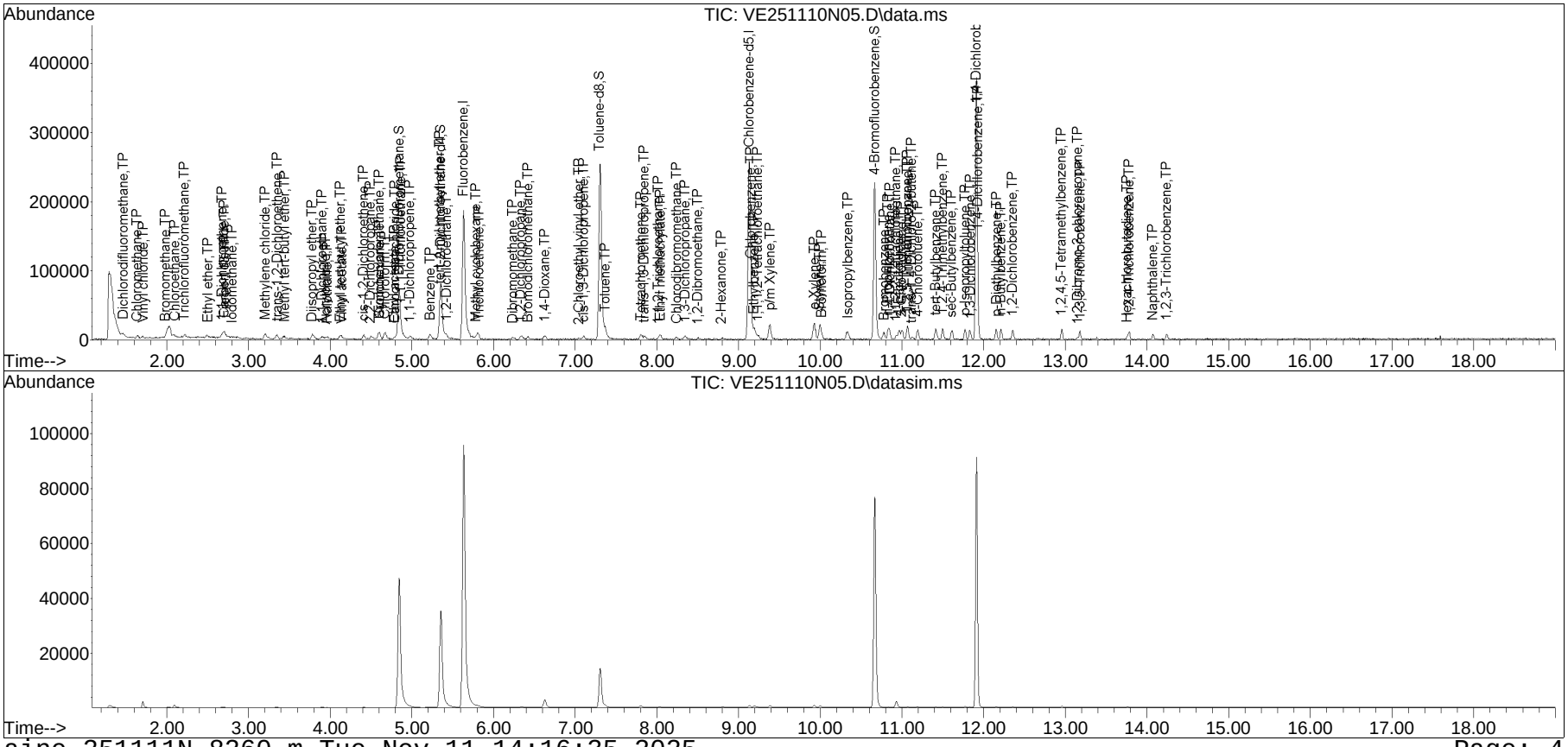
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N05.D
Acq On : 10 Nov 2025 10:05 pm
Operator : ELAINE:PID
Sample : I8260STD0.5PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 11 13:23:36 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

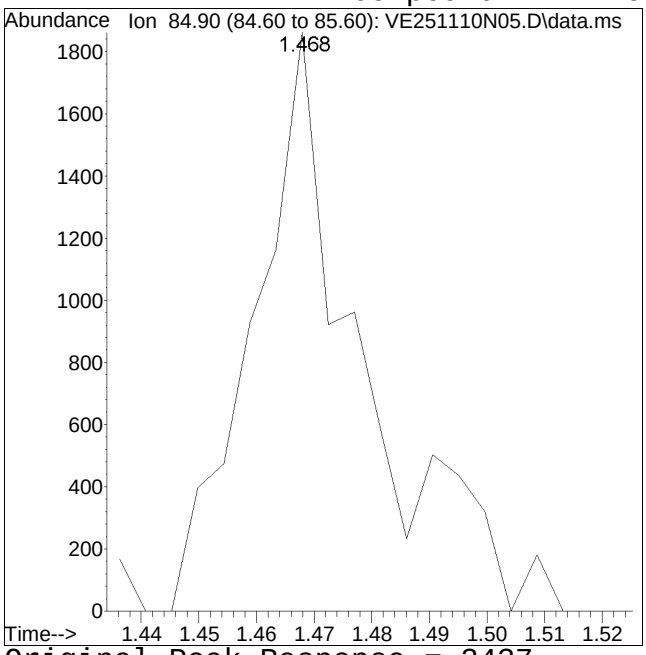
Sub List : 8260-Curve - Megamix plus Diox\VE251110N09.D•



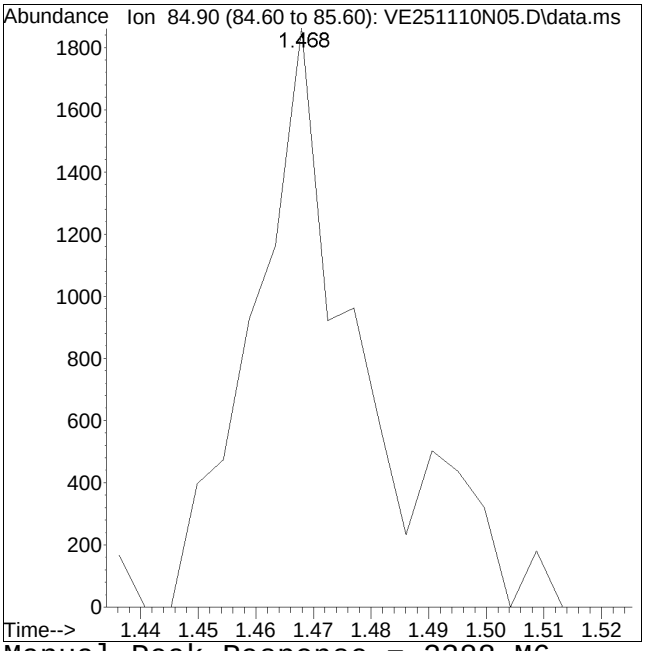
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N05.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 10:05 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/11/2025 1:18 pm

Compound #2: Dichlorodifluoromethane



Original Peak Response = 2437



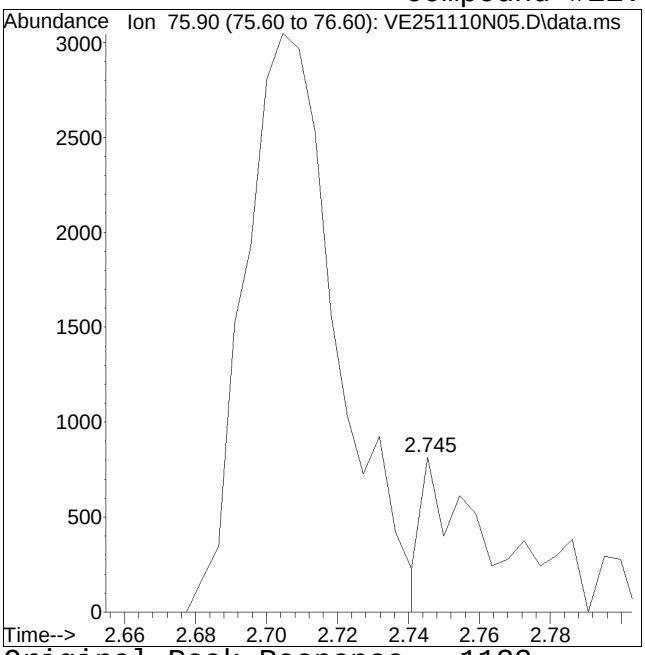
Manual Peak Response = 2388 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

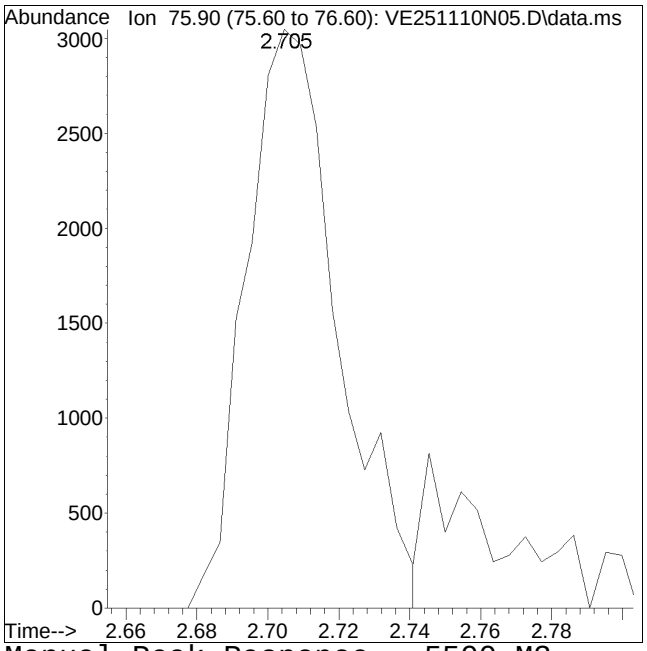
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N05.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 10:05 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/11/2025 1:18 pm

Compound #11: Carbon disulfide



Original Peak Response = 1132



Manual Peak Response = 5500 M3

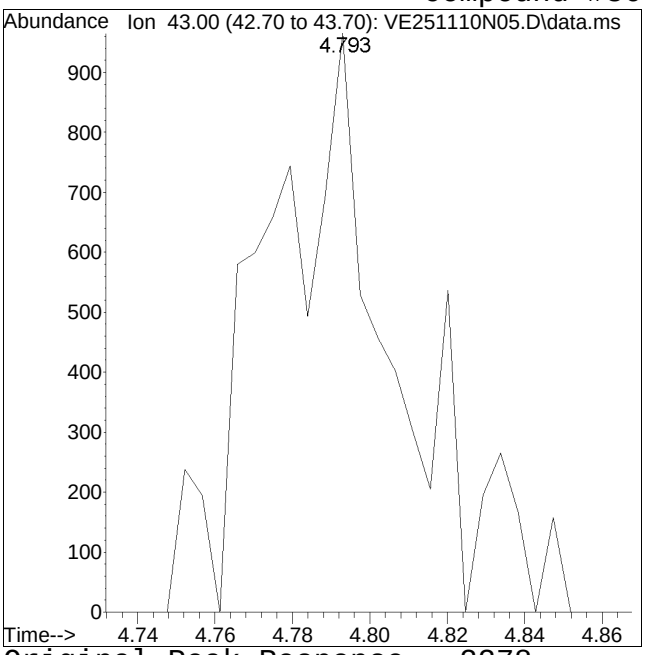
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

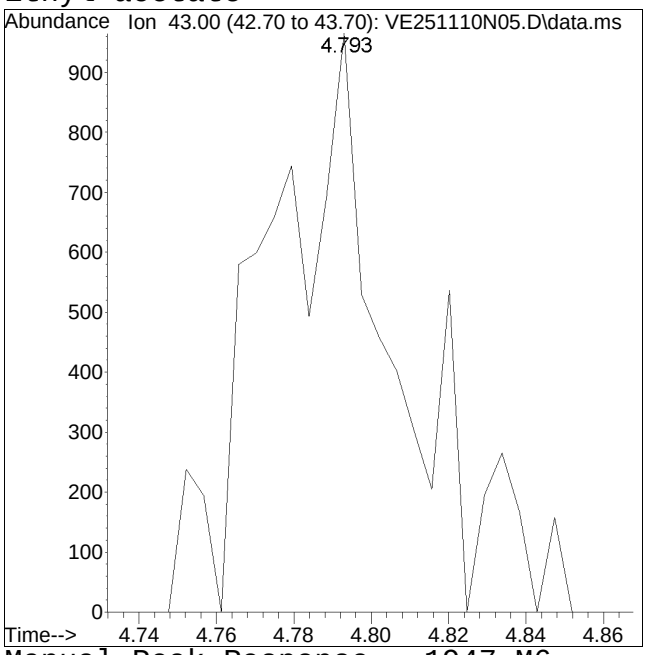
Data Path : K:\Elaine\2025\251110NICALQ
Data File : VE251110N05.D
Date Inj'd : 11/10/2025 10:05 pm
Sample : I8260STD0.5PPB

Method : Elaine_251111N_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 11/11/2025 1:18 pm

Compound #36: Ethyl acetate



Original Peak Response = 2278



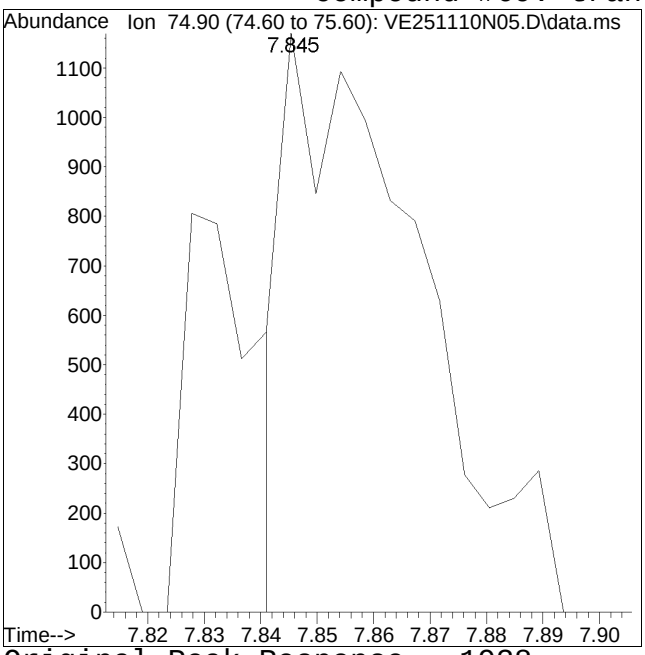
Manual Peak Response = 1947 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

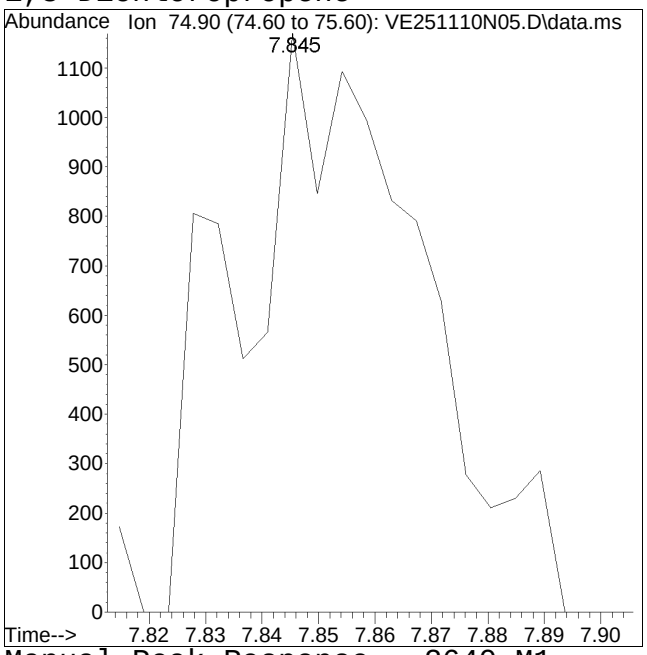
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N05.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 10:05 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/11/2025 1:18 pm

Compound #69: trans-1,3-Dichloropropene



Original Peak Response = 1938



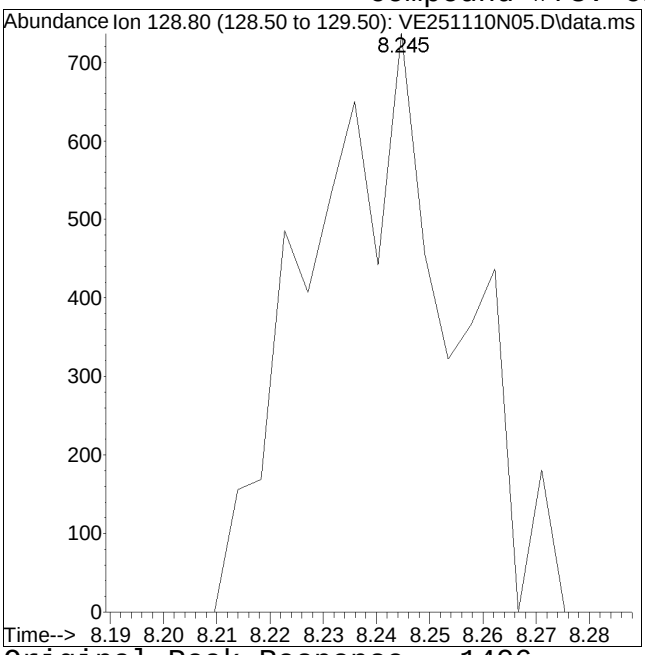
Manual Peak Response = 2640 M1

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

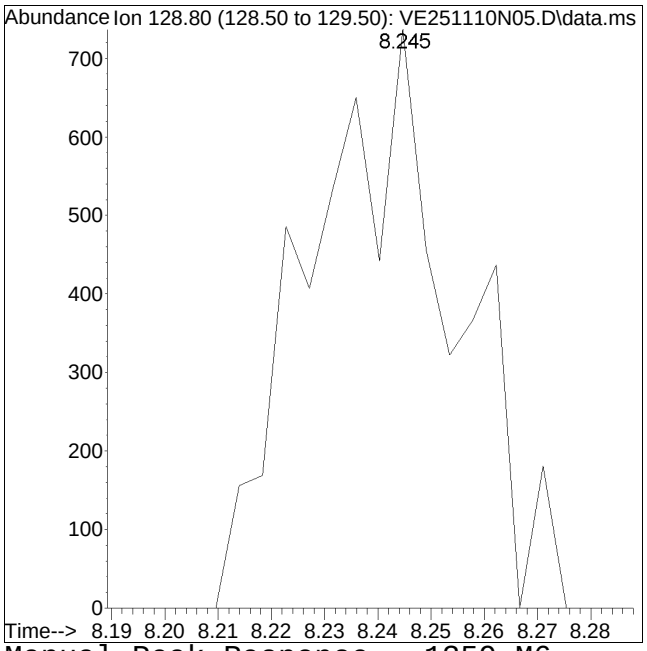
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N05.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 10:05 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/11/2025 1:18 pm

Compound #73: Chlorodibromomethane



Original Peak Response = 1406



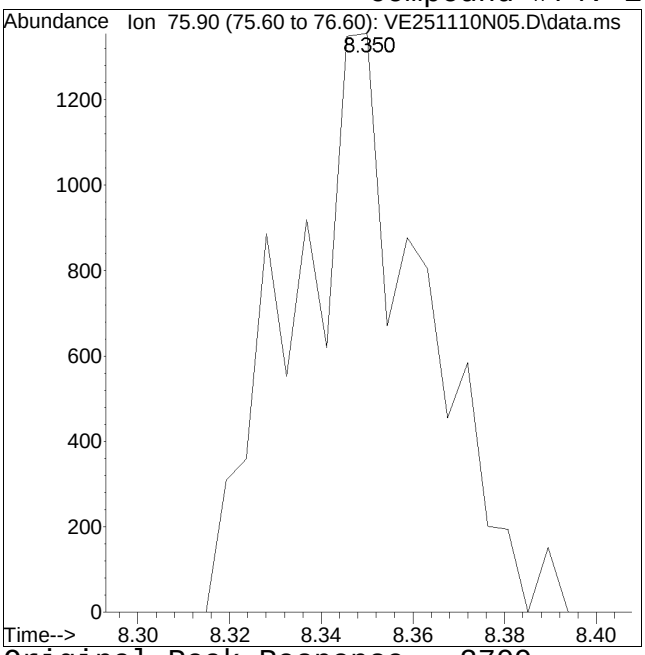
Manual Peak Response = 1359 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

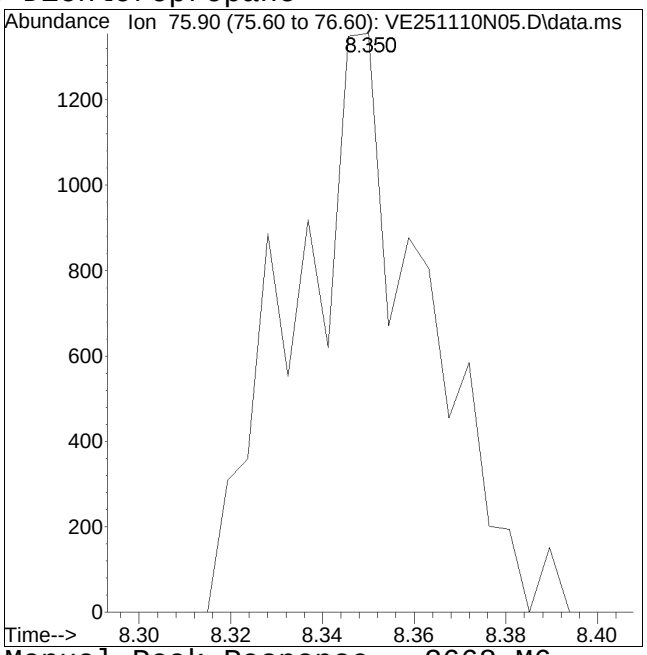
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N05.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 10:05 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/11/2025 1:18 pm

Compound #74: 1,3-Dichloropropane



Original Peak Response = 2709



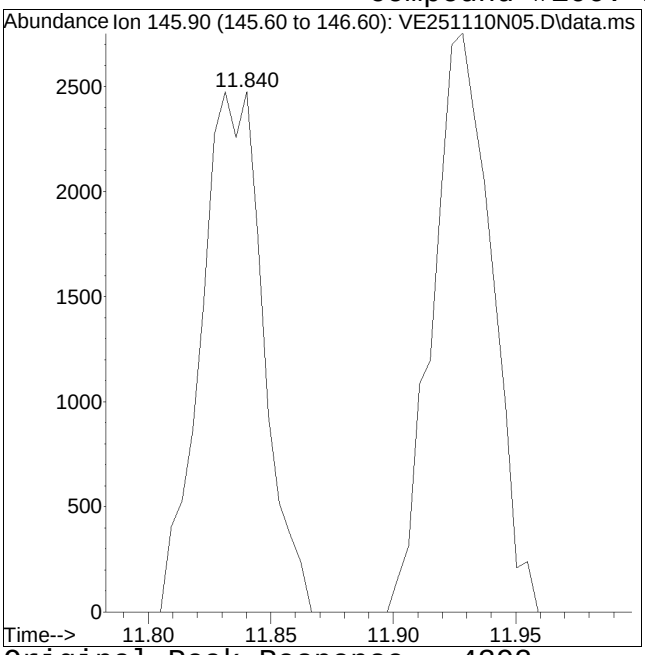
Manual Peak Response = 2668 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

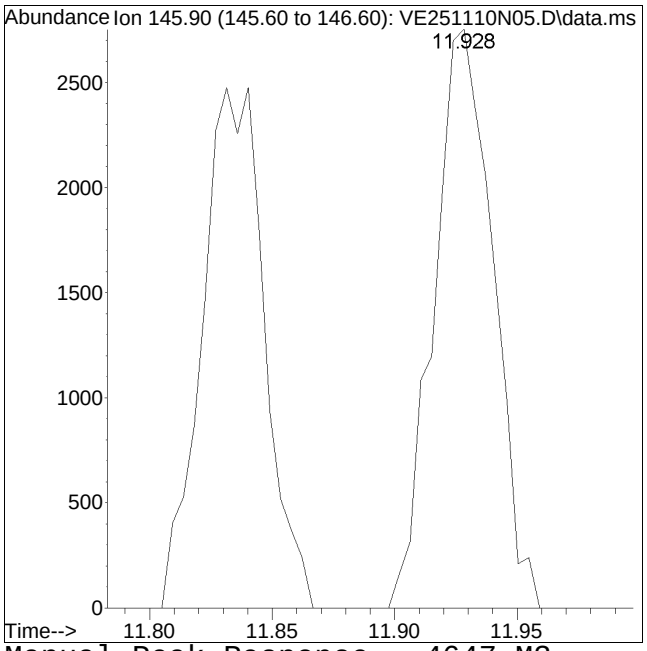
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N05.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 10:05 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/11/2025 1:18 pm

Compound #106: 1,4-Dichlorobenzene



Original Peak Response = 4392



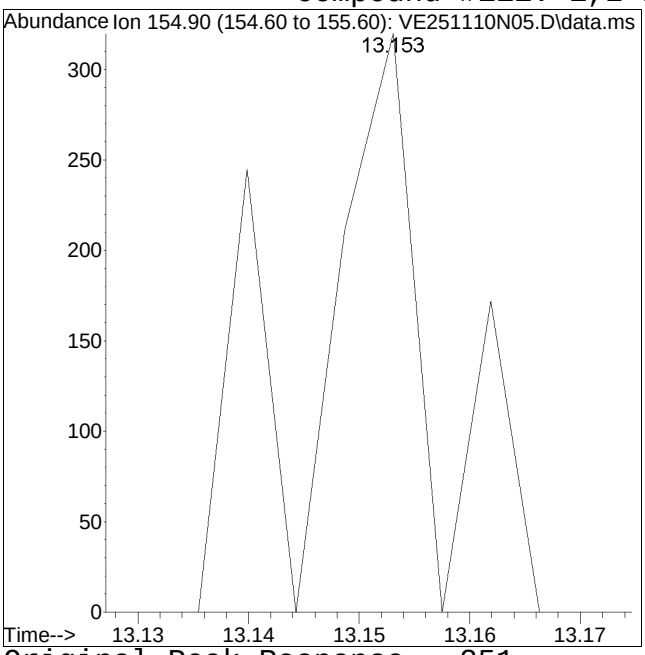
Manual Peak Response = 4647 M3

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

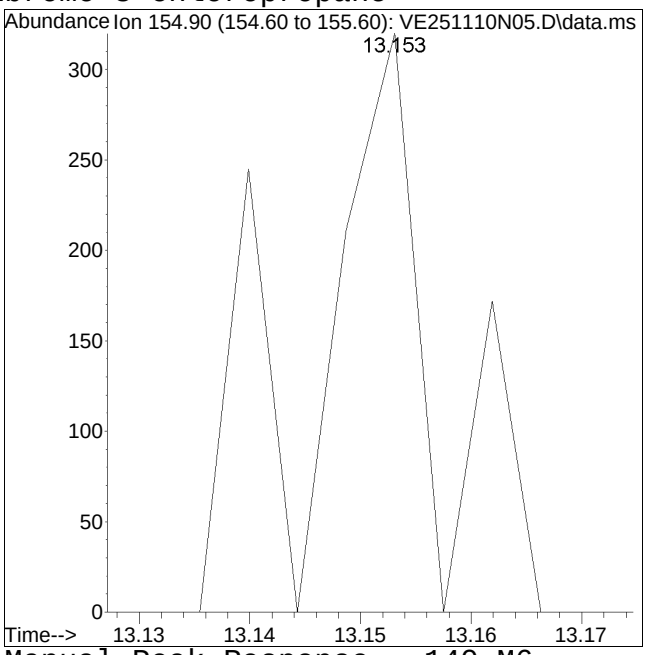
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N05.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 10:05 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/11/2025 1:18 pm

Compound #111: 1,2-Dibromo-3-chloropropane



Original Peak Response = 251



Manual Peak Response = 140 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N07.D
Acq On : 10 Nov 2025 10:53 pm
Operator : ELAINE:PID
Sample : I8260STD2PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 11 13:25:00 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.634	96	181091	10.000	ug/L	0.00
Standard Area 1 = 194422			Recovery = 93.14%			
63) Chlorobenzene-d5	9.127	117	148781	10.000	ug/L	0.00
Standard Area 1 = 153144			Recovery = 97.15%			
84) 1,4-Dichlorobenzene-d4	11.911	152	82825	10.000	ug/L	0.00
Standard Area 1 = 86422			Recovery = 95.84%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.843	113	53633	10.214	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.14%			
47) 1,2-Dichloroethane-d4	5.357	65	70310	9.958	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.58%			
64) Toluene-d8	7.306	98	197997	9.742	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.42%			
88) 4-Bromofluorobenzene	10.668	95	81394	10.312	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.12%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.468	85	13501	1.821	ug/L	97
3) Chloromethane	1.640	50	18075	1.974	ug/L	90
4) Vinyl chloride	1.708	62	14576	1.868	ug/L	97
5) Bromomethane	1.984	94	5035	1.884	ug/L	95
6) Chloroethane	2.093	64	8935	1.848	ug/L	98
7) Trichlorofluoromethane	2.225	101	17068	1.831	ug/L	91
8) Ethyl ether	2.496	74	4229	1.798	ug/L	81
10) 1,1-Dichloroethene	2.673	96	8281	1.746	ug/L	85
11) Carbon disulfide	2.705	76	30573	1.913	ug/L	99
12) Freon-113	2.718	101	7409	1.601	ug/L	97
13) Iodomethane	2.809	142	3541	1.624	ug/L #	89
14) Acrolein	2.967	56	1634	2.918	ug/L	90
15) Methylene chloride	3.203	84	11290	2.121	ug/L	97
17) Acetone	3.235	43	4129	2.412	ug/L #	72
18) trans-1,2-Dichloroethene	3.343	96	7831	1.801	ug/L	94
19) Methyl acetate	3.353	43	6258M6	2.224	ug/L	
21) Methyl tert-butyl ether	3.434	73	14712	1.791	ug/L #	92
22) tert-Butyl alcohol	3.534	59	2986M1	10.018	ug/L	
24) Diisopropyl ether	3.783	45	32503	1.745	ug/L	97
25) 1,1-Dichloroethane	3.910	63	22551	1.920	ug/L	96
26) Halothane	3.960	117	4743	1.664	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N07.D
Acq On : 10 Nov 2025 10:53 pm
Operator : ELAINE:PID
Sample : I8260STD2PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 11 13:25:00 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.955	53	3647	2.226	ug/L		91
28) Ethyl tert-butyl ether	4.123	59	21561	1.761	ug/L		92
29) Vinyl acetate	4.136	43	19641	1.988	ug/L		100
30) cis-1,2-Dichloroethene	4.408	96	9031	1.787	ug/L		88
31) 2,2-Dichloropropane	4.503	77	12406	1.736	ug/L		85
33) Bromochloromethane	4.594	128	4980	2.201	ug/L		94
34) Cyclohexane	4.603	56	18026	1.599	ug/L		95
35) Chloroform	4.675	83	21419	2.302	ug/L		95
36) Ethyl acetate	4.784	43	6953	1.775	ug/L	#	95
37) Carbon tetrachloride	4.807	117	9252M6	1.635	ug/L		
38) Tetrahydrofuran	4.802	42	2985M6	1.961	ug/L		
40) 1,1,1-Trichloroethane	4.866	97	11676	1.670	ug/L		97
42) 2-Butanone	4.947	43	4029	2.041	ug/L	#	53
43) 1,1-Dichloropropene	4.979	75	8936	1.629	ug/L		96
45) Benzene	5.221	78	33204	1.857	ug/L		98
46) tert-Amyl methyl ether	5.335	73	15023	1.814	ug/L		94
48) 1,2-Dichloroethane	5.428	62	13667	1.987	ug/L		97
51) Methyl cyclohexane	5.796	83	10994	1.634	ug/L		98
52) Trichloroethene	5.809	95	7612	1.814	ug/L		96
54) Dibromomethane	6.248	93	4975	1.971	ug/L		94
55) 1,2-Dichloropropane	6.336	63	9582	1.815	ug/L		99
57) 2-Chloroethyl vinyl ether	7.034	63	3574	1.714	ug/L	#	93
58) Bromodichloromethane	6.432	83	10990	1.977	ug/L		100
61) 1,4-Dioxane	6.625	88	13578	414.158	ug/L		96
62) cis-1,3-Dichloropropene	7.108	75	10623	1.693	ug/L		88
65) Toluene	7.363	92	21646	1.856	ug/L		98
66) 4-Methyl-2-pentanone	7.810	58	2628	1.972	ug/L	#	1
67) Tetrachloroethene	7.801	166	6888	1.675	ug/L		94
69) trans-1,3-Dichloropropene	7.850	75	9501	1.691	ug/L		95
71) Ethyl methacrylate	8.043	69	7925	1.707	ug/L		93
72) 1,1,2-Trichloroethane	8.025	83	4865	1.799	ug/L		96
73) Chlorodibromomethane	8.236	129	6099	1.688	ug/L		94
74) 1,3-Dichloropropane	8.341	76	10966	1.780	ug/L		97
75) 1,2-Dibromoethane	8.512	107	5975	1.897	ug/L		94
77) 2-Hexanone	8.798	43	6456	1.957	ug/L		95
78) Chlorobenzene	9.149	112	24095	1.832	ug/L		95
79) Ethylbenzene	9.192	91	43647	1.740	ug/L		97
80) 1,1,1,2-Tetrachloroethane	9.236	131	6624	1.855	ug/L		96
81) p/m Xylene	9.377	106	34193	3.532	ug/L		96
82) o Xylene	9.925	106	34626	3.720	ug/L		94

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N07.D
Acq On : 10 Nov 2025 10:53 pm
Operator : ELAINE:PID
Sample : I8260STD2PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 11 13:25:00 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.000	104	57995	3.780	ug/L		97
85) Bromoform	10.013	173	3958	2.034	ug/L		97
87) Isopropylbenzene	10.329	105	43636	1.737	ug/L		95
89) Bromobenzene	10.778	156	10117	2.007	ug/L		91
90) n-Propylbenzene	10.831	91	58825	1.853	ug/L		99
91) 1,4-Dichlorobutane	10.849	55	19372	2.039	ug/L		100
92) 1,1,2,2-Tetrachloroethane	10.924	83	9195	2.099	ug/L		96
93) 4-Ethyltoluene	10.963	105	46227	1.859	ug/L		97
94) 2-Chlorotoluene	11.003	91	36306M1	1.881	ug/L		
95) 1,3,5-Trimethylbenzene	11.069	105	39273	1.826	ug/L		99
96) 1,2,3-Trichloropropane	11.065	75	7679M6	2.036	ug/L		
97) trans-1,4-Dichloro-2-b...	11.126	53	3749	1.946	ug/L		88
98) 4-Chlorotoluene	11.193	91	36259	1.871	ug/L		100
99) tert-Butylbenzene	11.413	119	31806	1.746	ug/L		97
102) 1,2,4-Trimethylbenzene	11.501	105	37681	1.743	ug/L		99
103) sec-Butylbenzene	11.611	105	48961	1.742	ug/L		98
104) p-Isopropyltoluene	11.774	119	40010	1.751	ug/L		99
105) 1,3-Dichlorobenzene	11.831	146	21327	1.902	ug/L		100
106) 1,4-Dichlorobenzene	11.928	146	21567	1.953	ug/L		98
107) p-Diethylbenzene	12.153	119	22037	1.606	ug/L		94
108) n-Butylbenzene	12.210	91	37834	1.650	ug/L		97
109) 1,2-Dichlorobenzene	12.360	146	19459	1.832	ug/L		95
110) 1,2,4,5-Tetramethylben...	12.959	119	33475	1.549	ug/L		98
111) 1,2-Dibromo-3-chloropr...	13.149	155	1099	1.681	ug/L	#	77
112) 1,3,5-Trichlorobenzene	13.175	180	13108	1.903	ug/L		94
113) Hexachlorobutadiene	13.757	225	2814	1.604	ug/L		92
114) 1,2,4-Trichlorobenzene	13.783	180	9580	1.710	ug/L		97
115) Naphthalene	14.069	128	21912	1.605	ug/L		100
116) 1,2,3-Trichlorobenzene	14.241	180	8341	1.774	ug/L		96

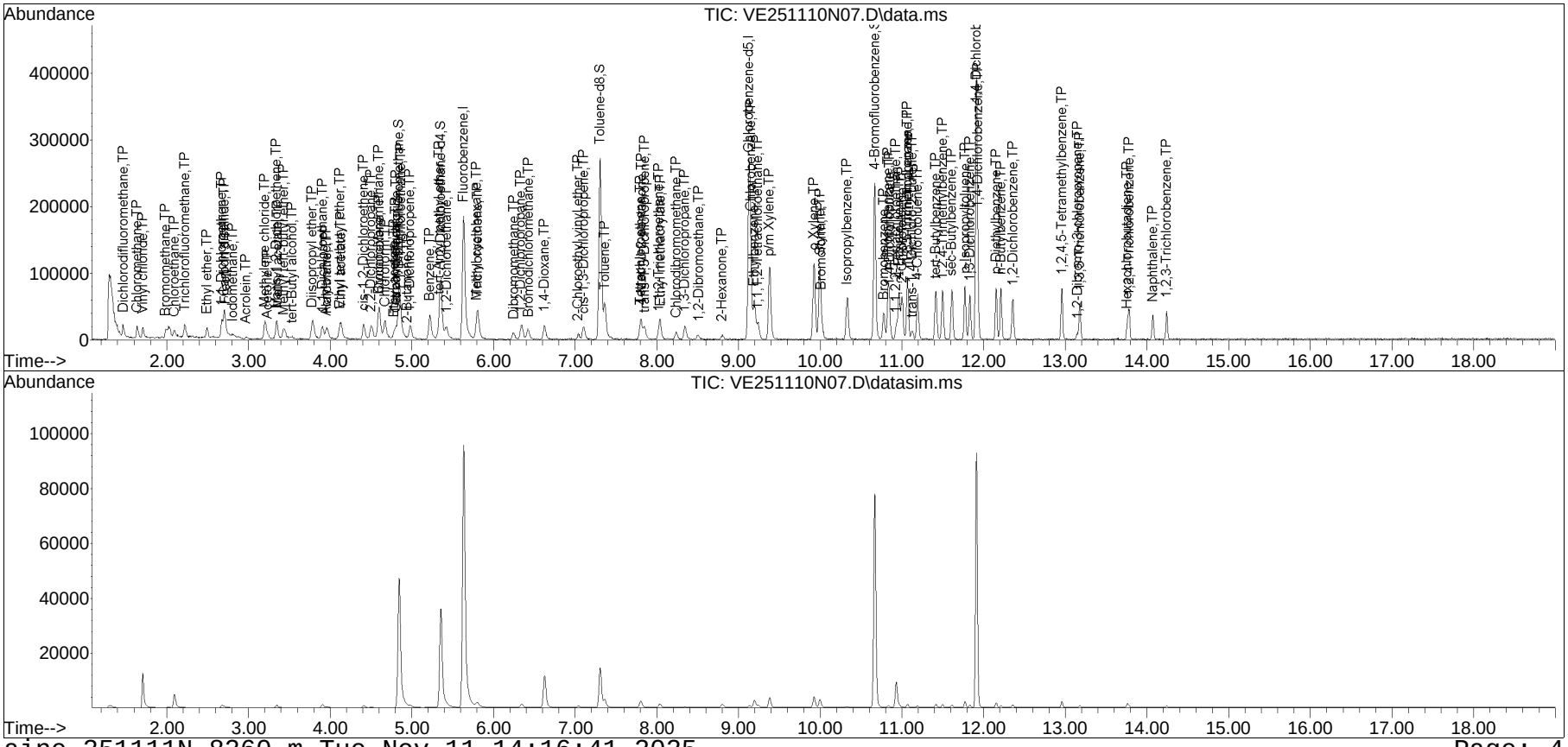
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N07.D
Acq On : 10 Nov 2025 10:53 pm
Operator : ELAINE:PID
Sample : I8260STD2PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 11 13:25:00 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

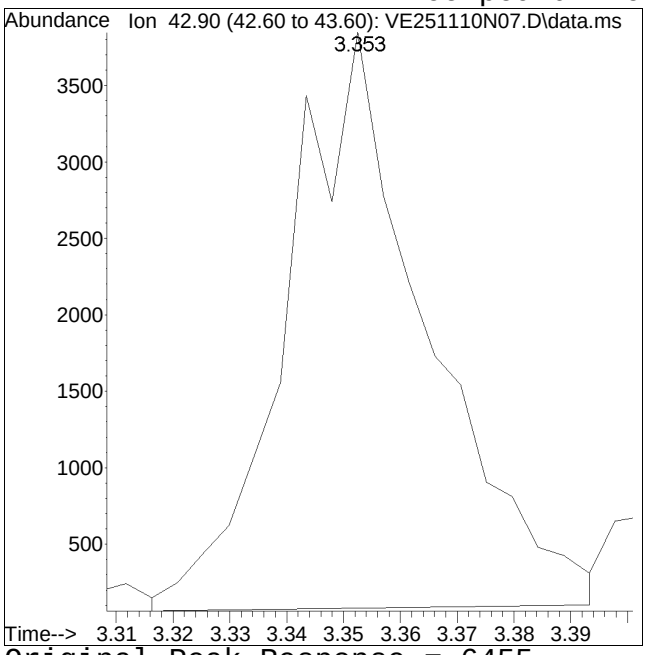
Sub List : 8260-Curve - Megamix plus Diox\VE251110N09.D•



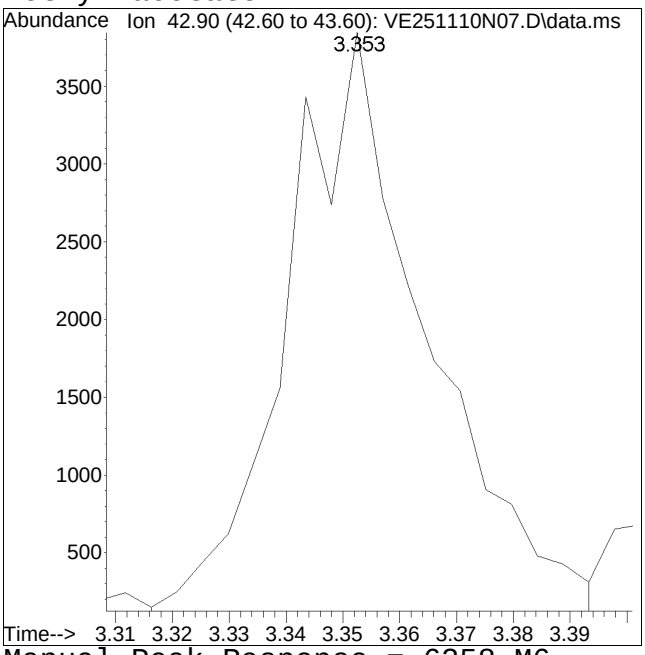
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N07.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 10:53 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/11/2025 1:18 pm

Compound #19: Methyl acetate



Original Peak Response = 6455



Manual Peak Response = 6258 M6

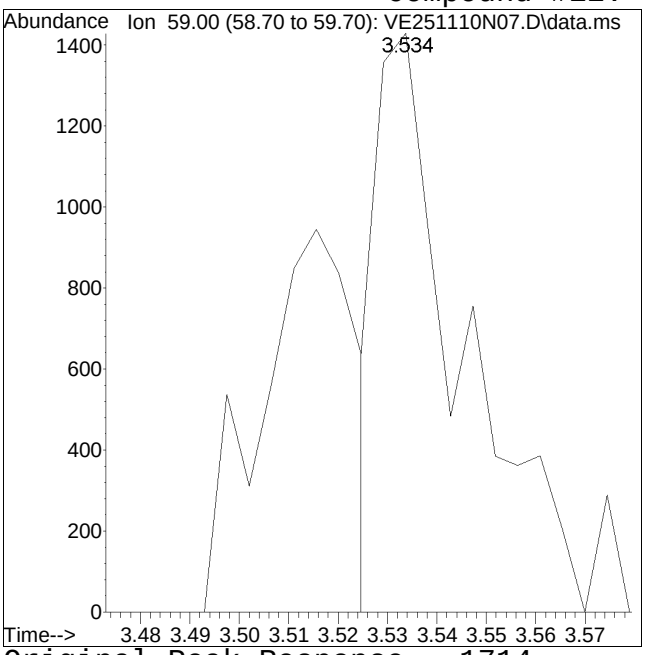
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

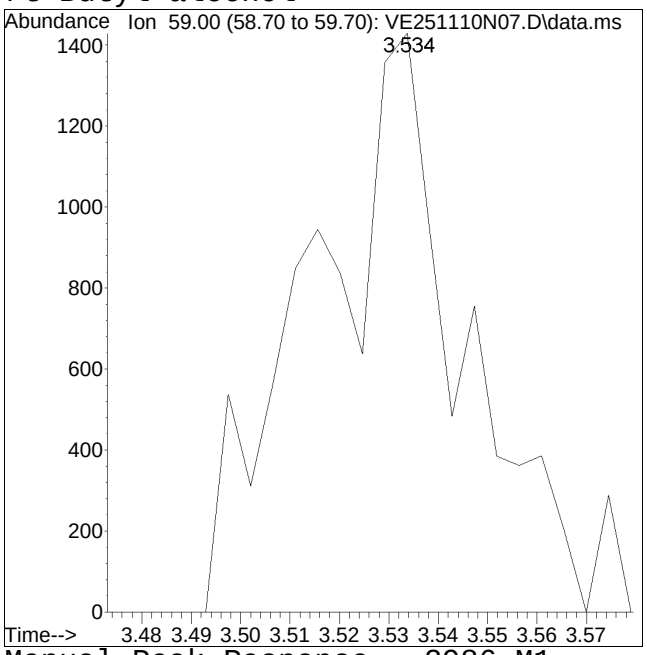
Data Path : K:\Elaine\2025\251110NICALQ
Data File : VE251110N07.D
Date Inj'd : 11/10/2025 10:53 pm
Sample : I8260STD2PPB

Method : Elaine_251111N_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 11/11/2025 1:18 pm

Compound #22: tert-Butyl alcohol



Original Peak Response = 1714



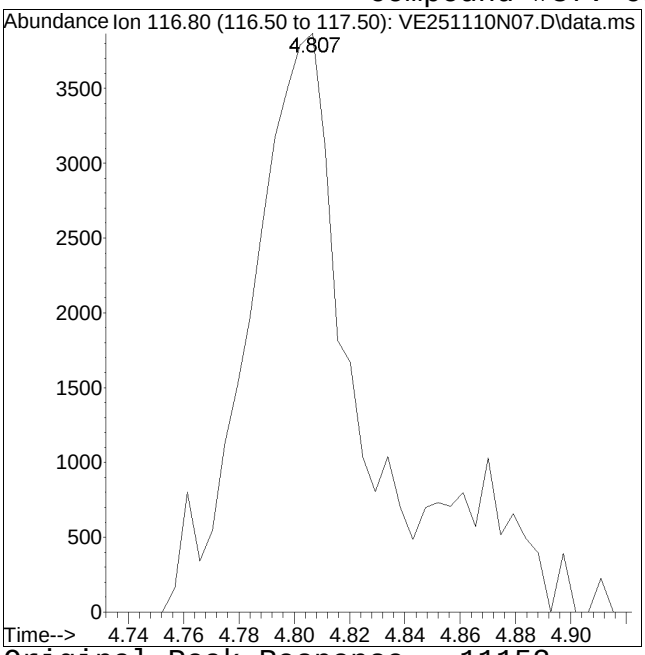
Manual Peak Response = 2986 M1

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

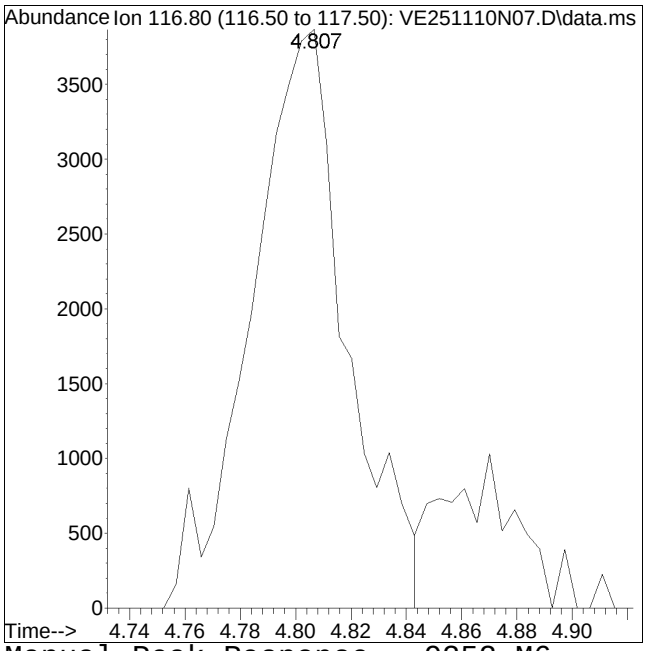
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N07.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 10:53 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/11/2025 1:18 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 11152



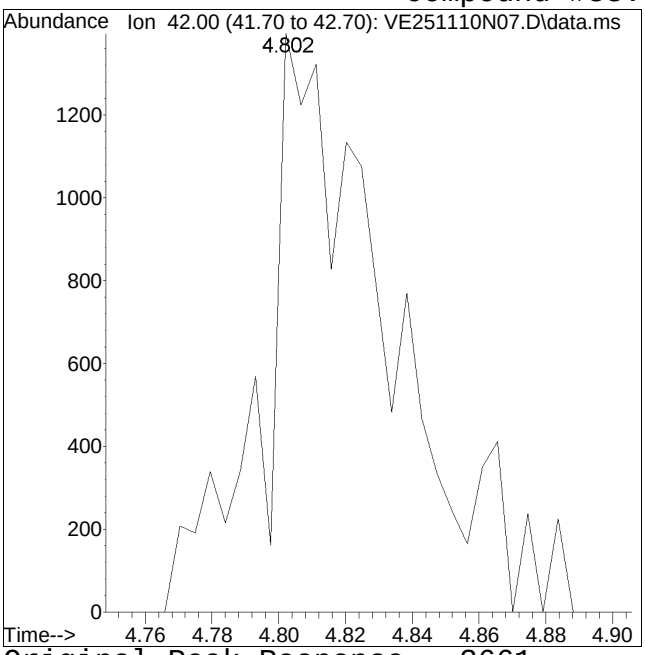
Manual Peak Response = 9252 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

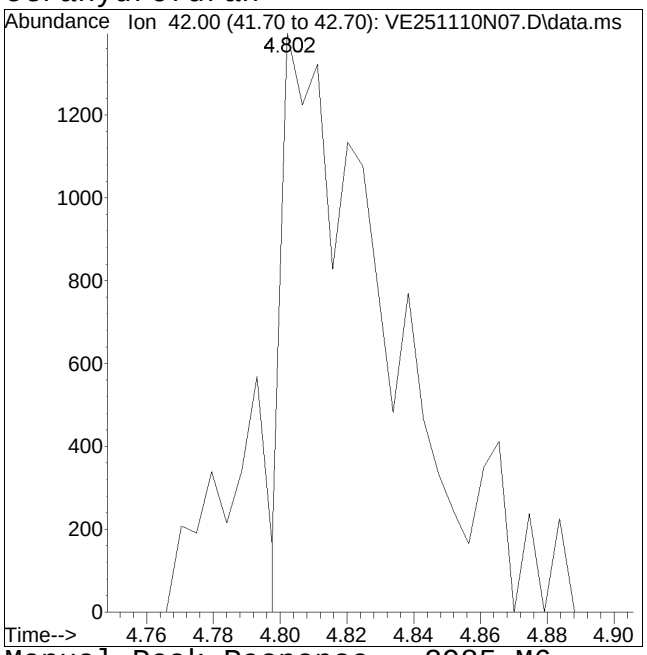
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N07.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 10:53 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/11/2025 1:18 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 3661



Manual Peak Response = 2985 M6

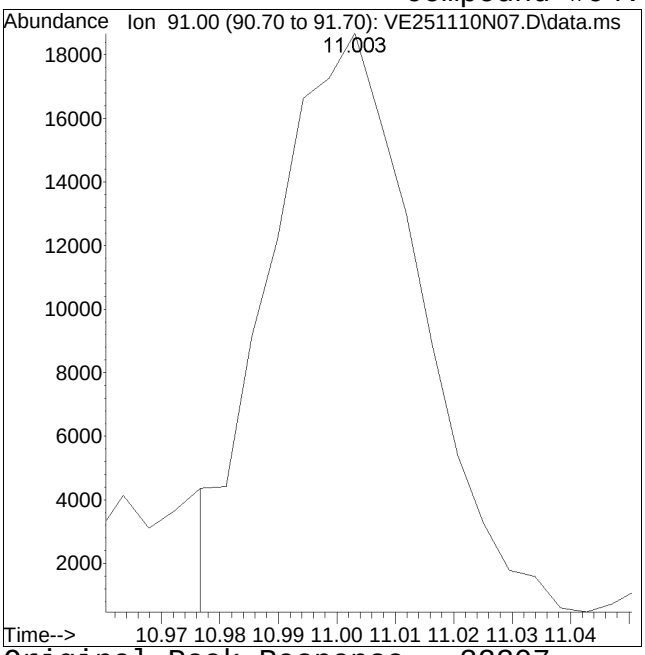
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

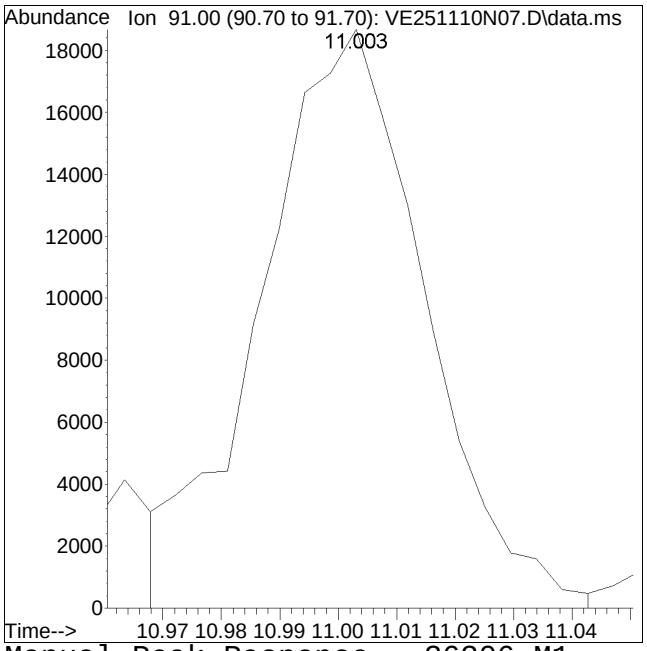
Data Path : K:\Elaine\2025\251110NICALQ
Data File : VE251110N07.D
Date Inj'd : 11/10/2025 10:53 pm
Sample : I8260STD2PPB

Method : Elaine_251111N_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 11/11/2025 1:18 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 32307



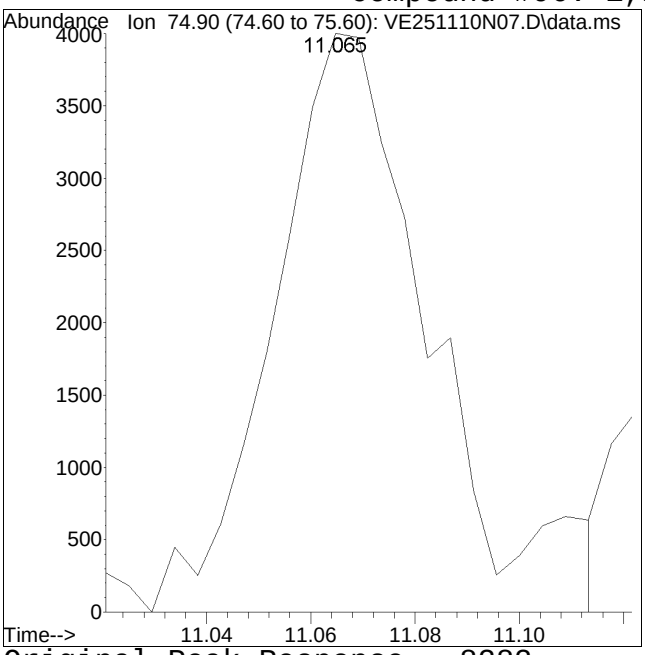
Manual Peak Response = 36306 M1

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

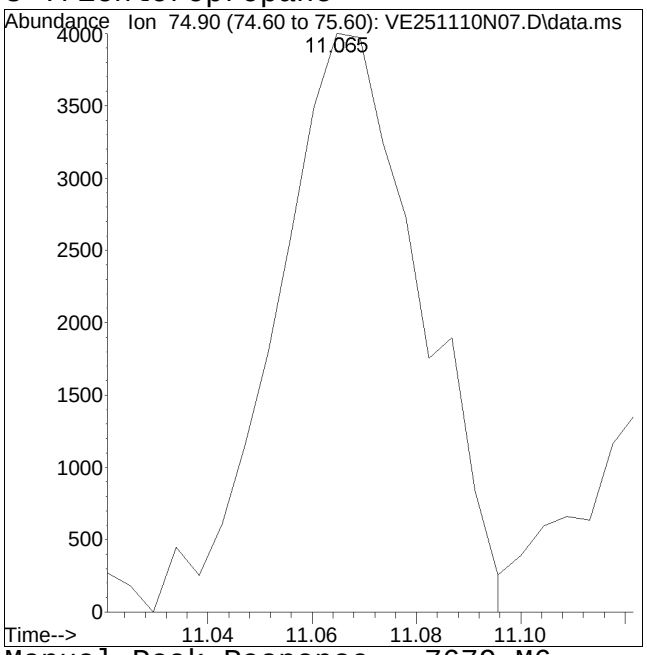
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N07.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 10:53 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/11/2025 1:18 pm

Compound #96: 1,2,3-Trichloropropane



Original Peak Response = 8282



Manual Peak Response = 7679 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N09.D
Acq On : 10 Nov 2025 11:42 pm
Operator : ELAINE:PID
Sample : I8260STD10PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 11 13:17:51 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:15:48 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.634	96	194422	10.000	ug/L	0.00
Standard Area 1 = 194422			Recovery = 100.00%			
63) Chlorobenzene-d5	9.131	117	153144	10.000	ug/L	0.00
Standard Area 1 = 153144			Recovery = 100.00%			
84) 1,4-Dichlorobenzene-d4	11.911	152	86422	10.000	ug/L	0.00
Standard Area 1 = 86422			Recovery = 100.00%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.843	113	56374	10.009	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.09%			
47) 1,2-Dichloroethane-d4	5.353	65	75805	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
64) Toluene-d8	7.306	98	209211	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
88) 4-Bromofluorobenzene	10.664	95	82356	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.468	85	79620	10.000	ug/L	100
3) Chloromethane	1.635	50	98327	10.000	ug/L	100
4) Vinyl chloride	1.703	62	83772	10.000	ug/L	100
5) Bromomethane	1.984	94	28686	10.000	ug/L	100
6) Chloroethane	2.093	64	51912	10.000	ug/L	100
7) Trichlorofluoromethane	2.220	101	100082	10.000	ug/L	100
8) Ethyl ether	2.492	74	25251	10.000	ug/L	100
10) 1,1-Dichloroethene	2.677	96	50926	10.000	ug/L	100
11) Carbon disulfide	2.704	76	171584	10.000	ug/L	100
12) Freon-113	2.714	101	49694	10.012	ug/L	100
13) Iodomethane	2.809	142	23416	10.000	ug/L	99
14) Acrolein	2.981	56	6011	10.000	ug/L	100
15) Methylene chloride	3.203	84	57157	10.000	ug/L	100
17) Acetone	3.235	43	18378M6	10.000	ug/L	
18) trans-1,2-Dichloroethene	3.348	96	46689	10.000	ug/L	100
19) Methyl acetate	3.352	43	30210M6	10.000	ug/L	
21) Methyl tert-butyl ether	3.443	73	88215	10.000	ug/L #	100
22) tert-Butyl alcohol	3.529	59	16000	50.000	ug/L #	100
24) Diisopropyl ether	3.792	45	200030	10.023	ug/L	100
25) 1,1-Dichloroethane	3.909	63	126094	10.000	ug/L	100
26) Halothane	3.968	117	30594	10.000	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N09.D
Acq On : 10 Nov 2025 11:42 pm
Operator : ELAINE:PID
Sample : I8260STD10PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 11 13:17:51 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:15:48 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Acrylonitrile	3.946	53	17587	10.000	ug/L	100
28) Ethyl tert-butyl ether	4.127	59	131438	10.000	ug/L	100
29) Vinyl acetate	4.131	43	106061	10.014	ug/L	100
30) cis-1,2-Dichloroethene	4.412	96	54256	9.992	ug/L	100
31) 2,2-Dichloropropane	4.503	77	76717	10.000	ug/L	100
33) Bromochloromethane	4.598	128	24294	10.000	ug/L	100
34) Cyclohexane	4.603	56	121029	10.000	ug/L	100
35) Chloroform	4.671	83	99891	10.000	ug/L	100
36) Ethyl acetate	4.779	43	42057	10.015	ug/L	100
37) Carbon tetrachloride	4.797	117	60740M6	10.000	ug/L	
38) Tetrahydrofuran	4.802	42	16340M4	10.000	ug/L	
40) 1,1,1-Trichloroethane	4.861	97	75062	10.000	ug/L	100
42) 2-Butanone	4.951	43	21191	10.000	ug/L	100
43) 1,1-Dichloropropene	4.983	75	58887	10.000	ug/L	100
45) Benzene	5.226	78	191916	10.008	ug/L	100
46) tert-Amyl methyl ether	5.335	73	88900	10.020	ug/L	100
48) 1,2-Dichloroethane	5.427	62	73833	10.000	ug/L	100
51) Methyl cyclohexane	5.796	83	72243	10.000	ug/L	100
52) Trichloroethene	5.814	95	45059	10.000	ug/L	100
54) Dibromomethane	6.239	93	27100	10.000	ug/L	100
55) 1,2-Dichloropropane	6.345	63	56672	10.000	ug/L	100
57) 2-Chloroethyl vinyl ether	7.042	63	22393	10.000	ug/L	100
58) Bromodichloromethane	6.428	83	59686	10.000	ug/L	100
61) 1,4-Dioxane	6.621	88	17599	498.386	ug/L	100
62) cis-1,3-Dichloropropene	7.104	75	67351	10.000	ug/L	100
65) Toluene	7.363	92	120061	10.004	ug/L	100
66) 4-Methyl-2-pentanone	7.793	58	13716	10.000	ug/L	100
67) Tetrachloroethene	7.806	166	42317	9.987	ug/L	100
69) trans-1,3-Dichloropropene	7.850	75	57823	10.000	ug/L	100
71) Ethyl methacrylate	8.038	69	47783	10.000	ug/L	100
72) 1,1,2-Trichloroethane	8.030	83	27838	10.000	ug/L	100
73) Chlorodibromomethane	8.231	129	37190	9.900	ug/L	99
74) 1,3-Dichloropropane	8.345	76	63419	10.000	ug/L	100
75) 1,2-Dibromoethane	8.508	107	32424	10.000	ug/L	100
77) 2-Hexanone	8.793	43	33962	10.000	ug/L	100
78) Chlorobenzene	9.153	112	135345	10.000	ug/L	100
79) Ethylbenzene	9.192	91	258149	10.000	ug/L	100
80) 1,1,1,2-Tetrachloroethane	9.241	131	36753	10.000	ug/L	100
81) p/m Xylene	9.381	106	199282	20.000	ug/L	100
82) o Xylene	9.921	106	191596	20.006	ug/L	100

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N09.D
Acq On : 10 Nov 2025 11:42 pm
Operator : ELAINE:PID
Sample : I8260STD10PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 11 13:17:51 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:15:48 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Styrene	9.995	104	315831	20.000	ug/L	100
85) Bromoform	10.022	173	20305	10.000	ug/L	100
87) Isopropylbenzene	10.329	105	262113	9.974	ug/L	100
89) Bromobenzene	10.774	156	52591	9.989	ug/L	100
90) n-Propylbenzene	10.831	91	331326	10.046	ug/L	100
91) 1,4-Dichlorobutane	10.849	55	99130	10.000	ug/L	100
92) 1,1,2,2-Tetrachloroethane	10.928	83	45711	10.000	ug/L	100
93) 4-Ethyltoluene	10.968	105	259454	10.000	ug/L	100
94) 2-Chlorotoluene	11.003	91	201365M6	10.000	ug/L	
95) 1,3,5-Trimethylbenzene	11.069	105	224418	10.000	ug/L	100
96) 1,2,3-Trichloropropane	11.069	75	39358	10.000	ug/L	100
97) trans-1,4-Dichloro-2-b...	11.122	53	20101	10.000	ug/L	100
98) 4-Chlorotoluene	11.188	91	202227	10.000	ug/L	100
99) tert-Butylbenzene	11.417	119	190055	10.000	ug/L	100
102) 1,2,4-Trimethylbenzene	11.496	105	225559	10.000	ug/L	100
103) sec-Butylbenzene	11.611	105	293218	9.997	ug/L	100
104) p-Isopropyltoluene	11.770	119	238369	10.000	ug/L	100
105) 1,3-Dichlorobenzene	11.831	146	116978	10.000	ug/L	100
106) 1,4-Dichlorobenzene	11.928	146	115241	10.000	ug/L	100
107) p-Diethylbenzene	12.153	119	143162	10.000	ug/L	100
108) n-Butylbenzene	12.210	91	239286	9.997	ug/L	100
109) 1,2-Dichlorobenzene	12.356	146	110860	10.000	ug/L	100
110) 1,2,4,5-Tetramethylben...	12.955	119	225500	9.997	ug/L	100
111) 1,2-Dibromo-3-chloropr...	13.149	155	6823	10.000	ug/L	100
112) 1,3,5-Trichlorobenzene	13.175	180	71884	10.000	ug/L	100
113) Hexachlorobutadiene	13.761	225	18303	10.000	ug/L	100
114) 1,2,4-Trichlorobenzene	13.779	180	58466	10.000	ug/L	100
115) Naphthalene	14.069	128	142468	10.000	ug/L	100
116) 1,2,3-Trichlorobenzene	14.237	180	49063	10.000	ug/L	100

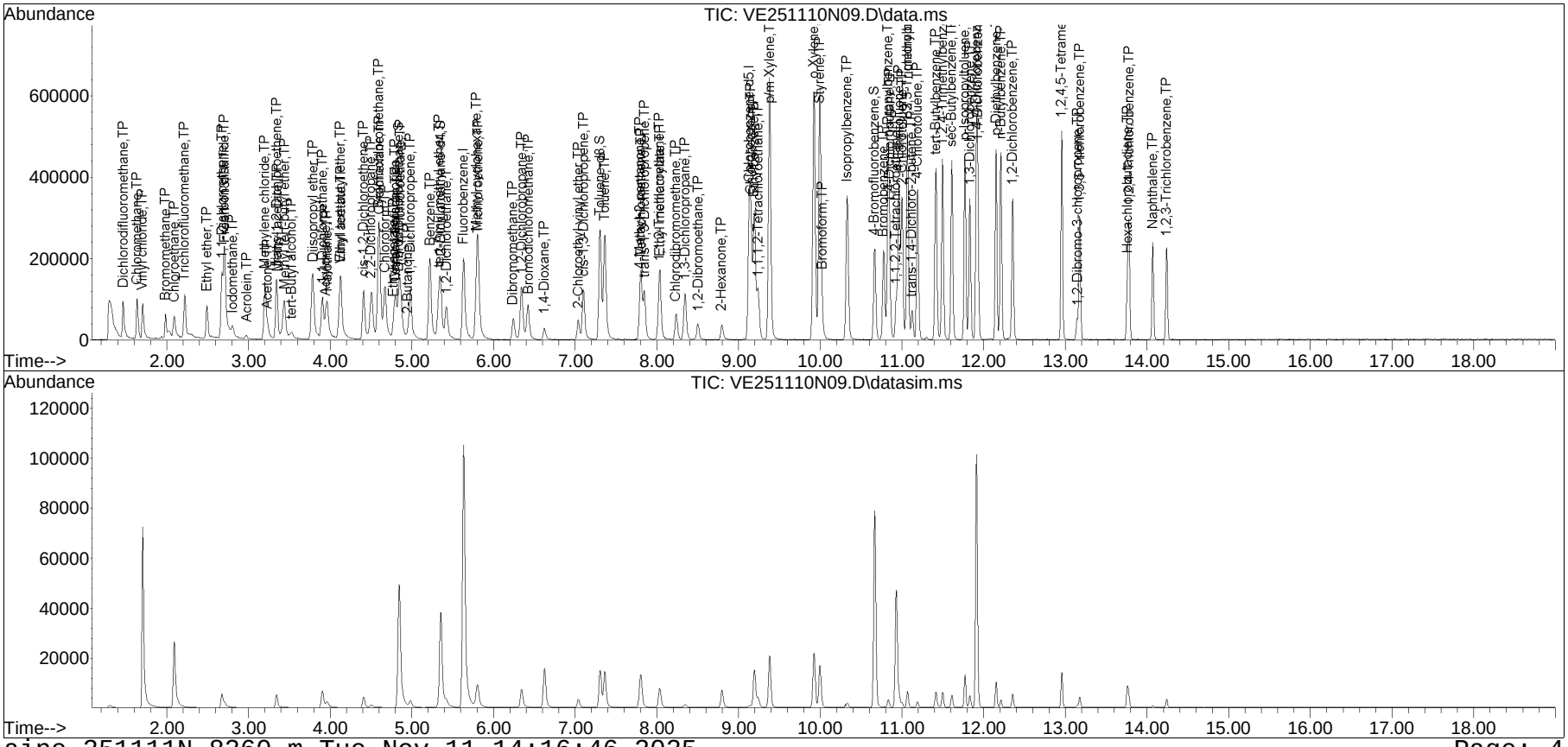
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N09.D
Acq On : 10 Nov 2025 11:42 pm
Operator : ELAINE:PID
Sample : I8260STD10PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 11 13:17:51 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:15:48 2025
Response via : Initial Calibration

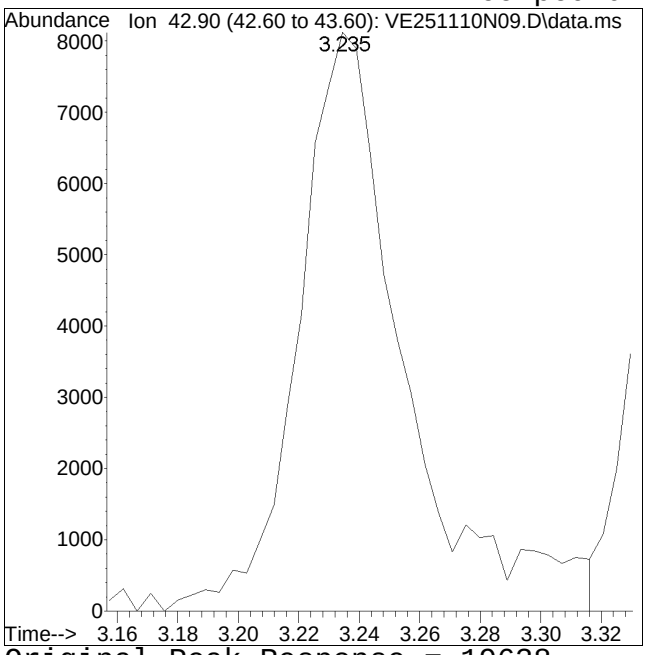
Sub List : 8260-Curve - Megamix plus Diox\VE251110N09.D•



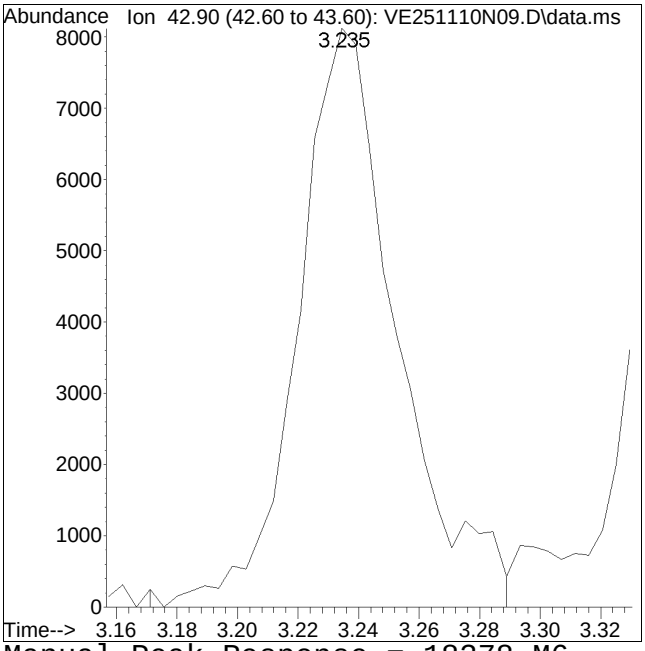
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N09.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 11:42 pm Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 11/11/2025 1:17 pm

Compound #17: Acetone



Original Peak Response = 19638



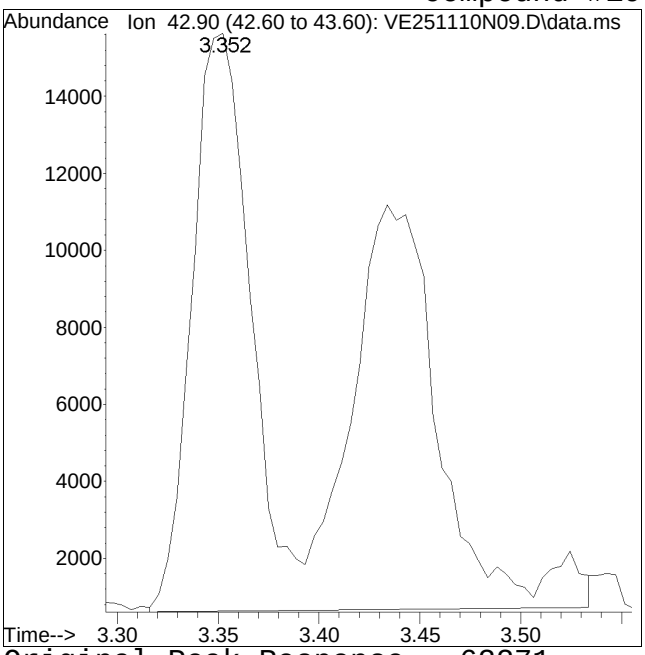
Manual Peak Response = 18378 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

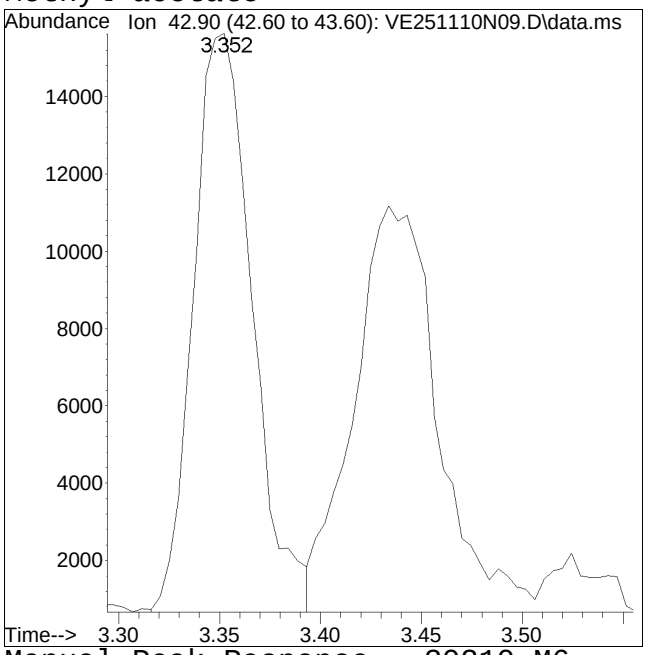
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N09.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 11:42 pm Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 11/11/2025 1:17 pm

Compound #19: Methyl acetate



Original Peak Response = 62271



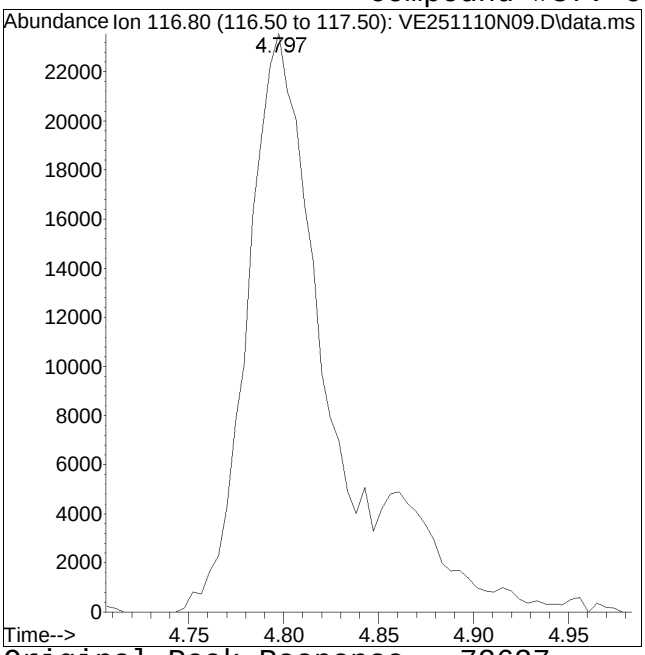
Manual Peak Response = 30210 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

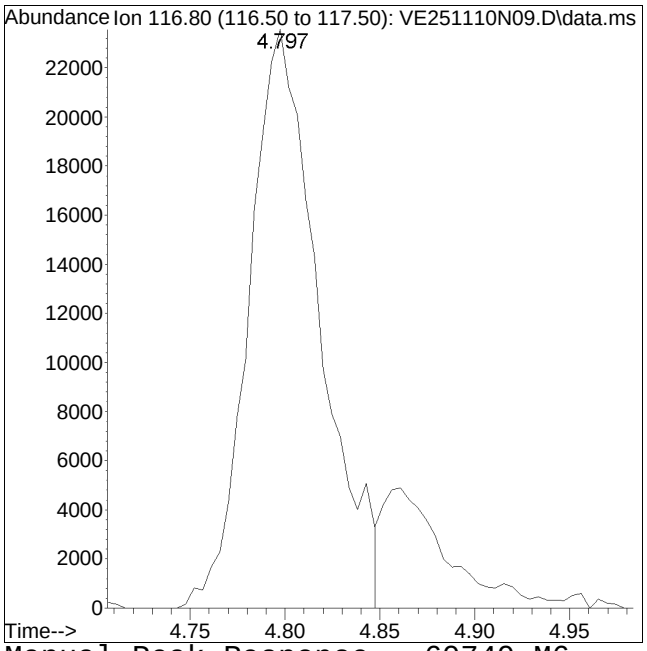
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N09.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 11:42 pm Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 11/11/2025 1:17 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 72637



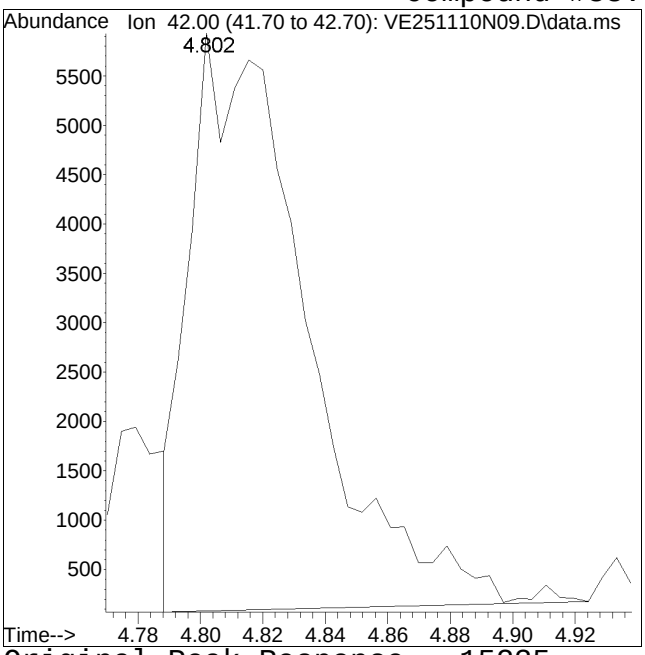
Manual Peak Response = 60740 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

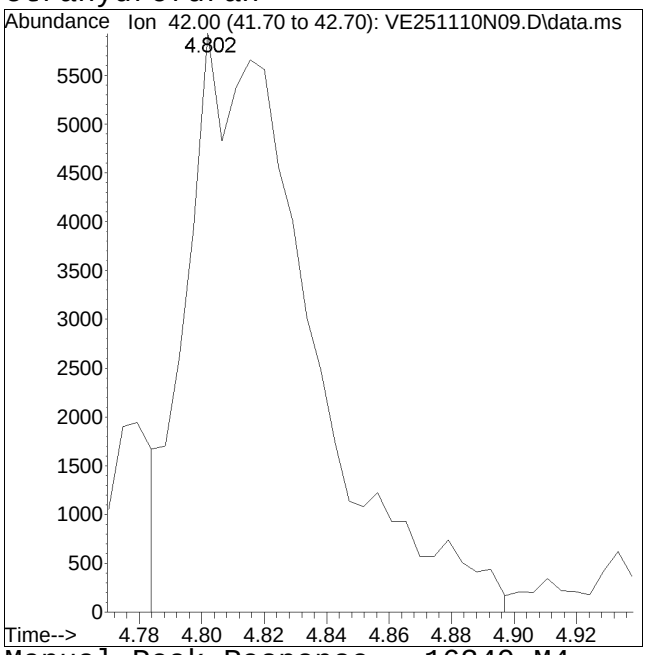
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N09.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 11:42 pm Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 11/11/2025 1:17 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 15235



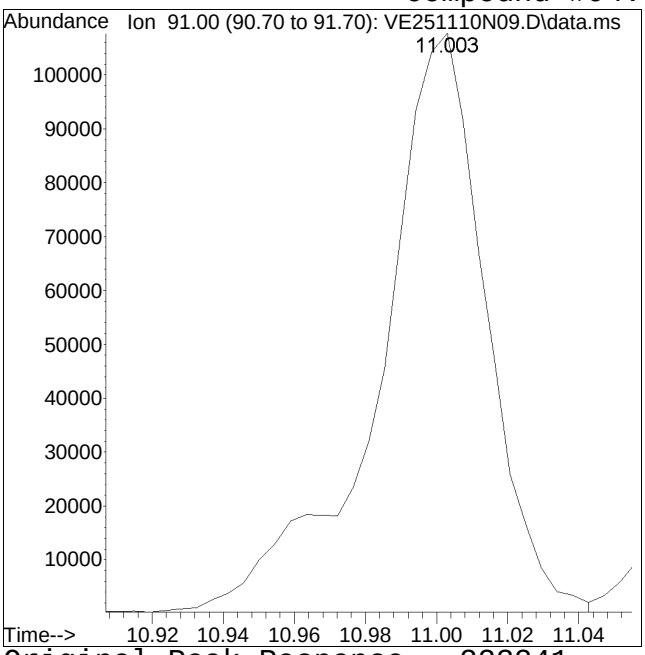
Manual Peak Response = 16340 M4

M4 = Poor automated baseline construction.

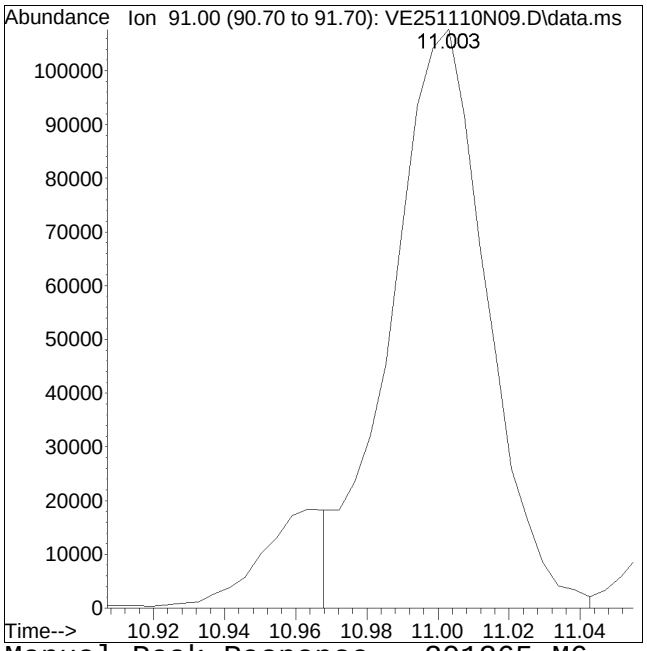
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N09.D Operator : ELAINE:PID
Date Inj'd : 11/10/2025 11:42 pm Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 11/11/2025 1:17 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 223241



Manual Peak Response = 201365 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N10.D
Acq On : 11 Nov 2025 12:06 am
Operator : ELAINE:PID
Sample : I8260STD30PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 12 11:45:28 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.634	96	215474M6	10.000 ug/L	0.00
Standard Area 1 = 194422			Recovery = 110.83%		
63) Chlorobenzene-d5	9.131	117	163526	10.000 ug/L	0.00
Standard Area 1 = 153144			Recovery = 106.78%		
84) 1,4-Dichlorobenzene-d4	11.911	152	92062	10.000 ug/L	0.00
Standard Area 1 = 86422			Recovery = 106.53%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.843	113	57660	9.229 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.29%		
47) 1,2-Dichloroethane-d4	5.357	65	90332	10.752 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.52%		
64) Toluene-d8	7.301	98	221884	9.932 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.32%		
88) 4-Bromofluorobenzene	10.668	95	84352	9.615 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.15%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.468	85	226655	25.686 ug/L	98
3) Chloromethane	1.640	50	292724	26.862 ug/L	96
4) Vinyl chloride	1.703	62	238564	25.695 ug/L	99
5) Bromomethane	1.984	94	97506	30.670 ug/L	98
6) Chloroethane	2.088	64	159431	27.711 ug/L	96
7) Trichlorofluoromethane	2.220	101	277260	24.997 ug/L	97
8) Ethyl ether	2.492	74	84930	30.348 ug/L	95
10) 1,1-Dichloroethene	2.677	96	157082	27.832 ug/L	97
11) Carbon disulfide	2.705	76	502138	26.406 ug/L	100
12) Freon-113	2.709	101	150009	27.237 ug/L	95
13) Iodomethane	2.809	142	100116	38.578 ug/L	95
14) Acrolein	2.976	56	26565	39.876 ug/L	81
15) Methylene chloride	3.203	84	171434	27.063 ug/L	96
17) Acetone	3.239	43	54677	26.845 ug/L #	91
18) trans-1,2-Dichloroethene	3.348	96	151947	29.365 ug/L	98
19) Methyl acetate	3.352	43	101144M6	30.209 ug/L	
21) Methyl tert-butyl ether	3.438	73	328277	33.578 ug/L #	97
22) tert-Butyl alcohol	3.534	59	52318	147.520 ug/L #	100
24) Diisopropyl ether	3.787	45	724093	32.663 ug/L	98
25) 1,1-Dichloroethane	3.905	63	392637	28.096 ug/L	99
26) Halothane	3.964	117	103690	30.581 ug/L	99

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N10.D
Acq On : 11 Nov 2025 12:06 am
Operator : ELAINE:PID
Sample : I8260STD30PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 12 11:45:28 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.946	53	61305	31.452	ug/L		95
28) Ethyl tert-butyl ether	4.127	59	488077	33.506	ug/L		92
29) Vinyl acetate	4.132	43	449426	38.234	ug/L		100
30) cis-1,2-Dichloroethene	4.412	96	177403	29.503	ug/L		99
31) 2,2-Dichloropropane	4.508	77	263844	31.032	ug/L	#	89
33) Bromochloromethane	4.598	128	74639	27.722	ug/L		97
34) Cyclohexane	4.603	56	396146	29.534	ug/L		100
35) Chloroform	4.671	83	301029	27.191	ug/L		99
36) Ethyl acetate	4.779	43	151077	32.412	ug/L	#	97
37) Carbon tetrachloride	4.797	117	198542M6	29.494	ug/L		
38) Tetrahydrofuran	4.811	42	55501M6	30.648	ug/L		
40) 1,1,1-Trichloroethane	4.861	97	250781	30.146	ug/L		98
42) 2-Butanone	4.947	43	72607	30.916	ug/L		98
43) 1,1-Dichloropropene	4.979	75	214994	32.943	ug/L		99
45) Benzene	5.221	78	647068	30.422	ug/L		99
46) tert-Amyl methyl ether	5.335	73	332594	33.757	ug/L		96
48) 1,2-Dichloroethane	5.423	62	254315	31.079	ug/L		99
51) Methyl cyclohexane	5.796	83	259336	32.390	ug/L		94
52) Trichloroethene	5.809	95	153309	30.700	ug/L		98
54) Dibromomethane	6.244	93	92414	30.769	ug/L		98
55) 1,2-Dichloropropane	6.345	63	201807	32.131	ug/L		100
57) 2-Chloroethyl vinyl ether	7.038	63	83925	33.817	ug/L		99
58) Bromodichloromethane	6.419	83	222869	33.692	ug/L		95
61) 1,4-Dioxane	6.630	88	24193	620.186	ug/L		96
62) cis-1,3-Dichloropropene	7.104	75	252952	33.888	ug/L		99
65) Toluene	7.363	92	379867	29.631	ug/L		99
66) 4-Methyl-2-pentanone	7.797	58	47670	32.548	ug/L		98
67) Tetrachloroethene	7.806	166	132992	29.432	ug/L		99
69) trans-1,3-Dichloropropene	7.845	75	212743	34.456	ug/L		100
71) Ethyl methacrylate	8.034	69	164412	32.224	ug/L		99
72) 1,1,2-Trichloroethane	8.030	83	98815	33.243	ug/L		98
73) Chlorodibromomethane	8.236	129	133538	33.627	ug/L		98
74) 1,3-Dichloropropane	8.341	76	220578	32.573	ug/L		99
75) 1,2-Dibromoethane	8.499	107	114145	32.969	ug/L		97
77) 2-Hexanone	8.797	43	116292	32.068	ug/L		98
78) Chlorobenzene	9.153	112	424203	29.352	ug/L		99
79) Ethylbenzene	9.192	91	815669	29.591	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.241	131	129363	32.963	ug/L		98
81) p/m Xylene	9.377	106	602120	56.592	ug/L		95
82) o Xylene	9.925	106	604042	59.051	ug/L		100

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N10.D
Acq On : 11 Nov 2025 12:06 am
Operator : ELAINE:PID
Sample : I8260STD30PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 12 11:45:28 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Styrene	9.995	104	1042649	61.834	ug/L	99
85) Bromoform	10.022	173	80165	37.062	ug/L	98
87) Isopropylbenzene	10.329	105	848446	30.386	ug/L	99
89) Bromobenzene	10.778	156	166199	29.666	ug/L	99
90) n-Propylbenzene	10.831	91	1069288	30.296	ug/L	99
91) 1,4-Dichlorobutane	10.844	55	336042	31.822	ug/L	98
92) 1,1,2,2-Tetrachloroethane	10.928	83	152955	31.411	ug/L	99
93) 4-Ethyltoluene	10.968	105	830874	30.062	ug/L	100
94) 2-Chlorotoluene	11.003	91	609668M6	28.422	ug/L	
95) 1,3,5-Trimethylbenzene	11.069	105	742407	31.055	ug/L	100
96) 1,2,3-Trichloropropane	11.065	75	132229	31.538	ug/L	99
97) trans-1,4-Dichloro-2-b...	11.122	53	69591	32.500	ug/L	93
98) 4-Chlorotoluene	11.193	91	642471	29.823	ug/L	99
99) tert-Butylbenzene	11.417	119	605767	29.921	ug/L	99
102) 1,2,4-Trimethylbenzene	11.496	105	739607	30.781	ug/L	99
103) sec-Butylbenzene	11.611	105	929738	29.766	ug/L	100
104) p-Isopropyltoluene	11.774	119	791484	31.170	ug/L	99
105) 1,3-Dichlorobenzene	11.831	146	382513	30.696	ug/L	99
106) 1,4-Dichlorobenzene	11.928	146	369310	30.083	ug/L	100
107) p-Diethylbenzene	12.153	119	466382	30.581	ug/L	98
108) n-Butylbenzene	12.210	91	781413	30.655	ug/L	99
109) 1,2-Dichlorobenzene	12.356	146	361762	30.633	ug/L	99
110) 1,2,4,5-Tetramethylben...	12.955	119	738685	30.751	ug/L	99
111) 1,2-Dibromo-3-chloropr...	13.144	155	21787	29.975	ug/L	94
112) 1,3,5-Trichlorobenzene	13.179	180	234096	30.571	ug/L	98
113) Hexachlorobutadiene	13.761	225	59028	30.275	ug/L	95
114) 1,2,4-Trichlorobenzene	13.779	180	191220	30.703	ug/L	99
115) Naphthalene	14.069	128	493622	32.525	ug/L	100
116) 1,2,3-Trichlorobenzene	14.241	180	168125	32.168	ug/L	97

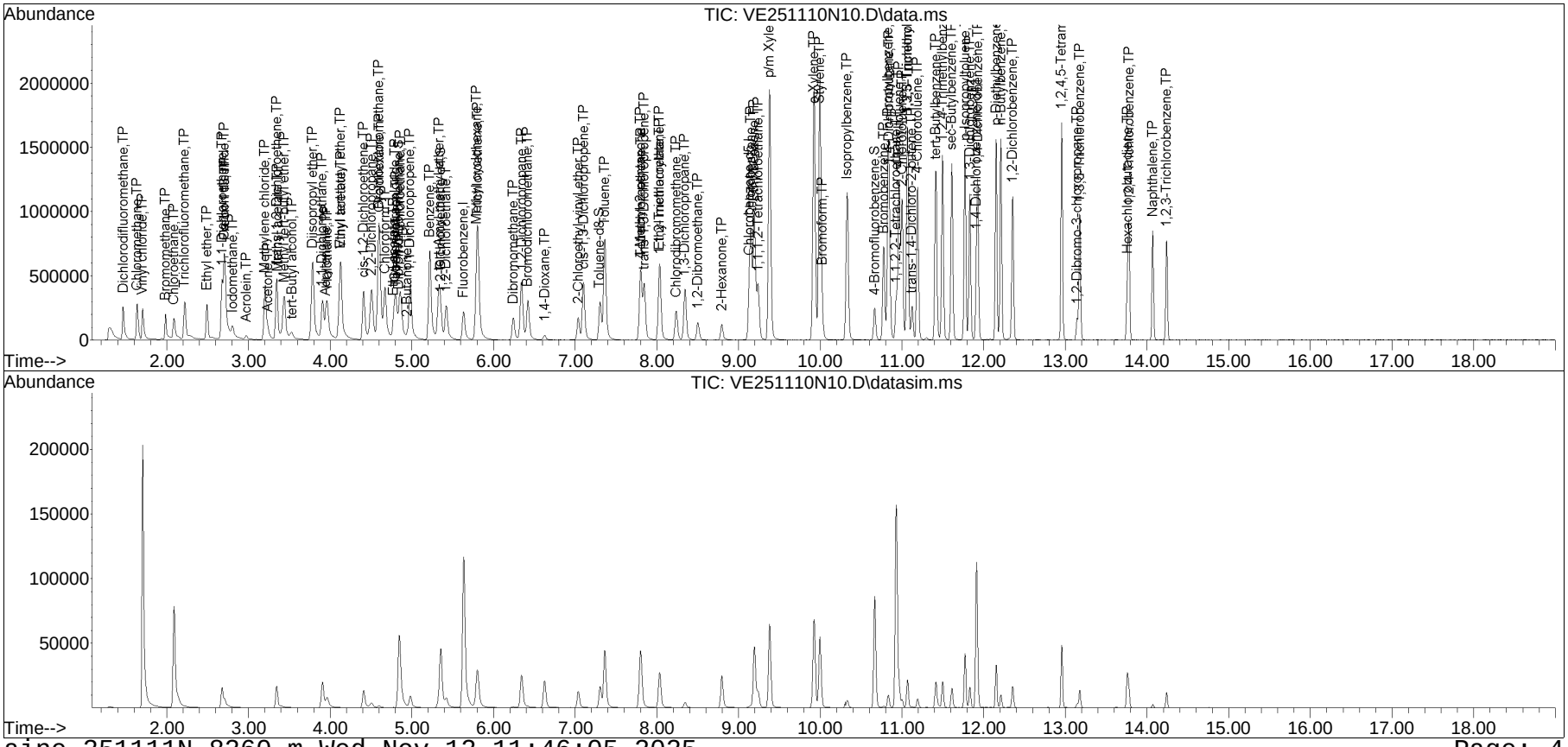
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N10.D
Acq On : 11 Nov 2025 12:06 am
Operator : ELAINE:PID
Sample : I8260STD30PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 12 11:45:28 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

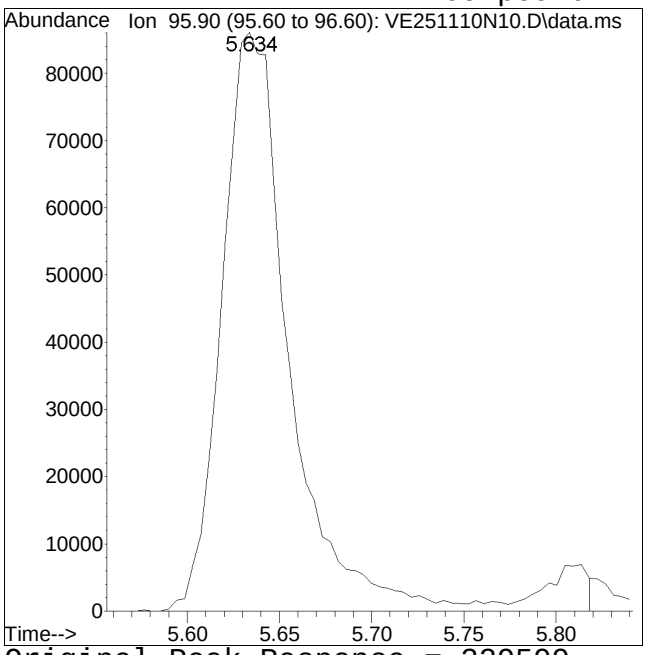
Sub List : 8260-Curve - Megamix plus Diox\VE251110N09.D•



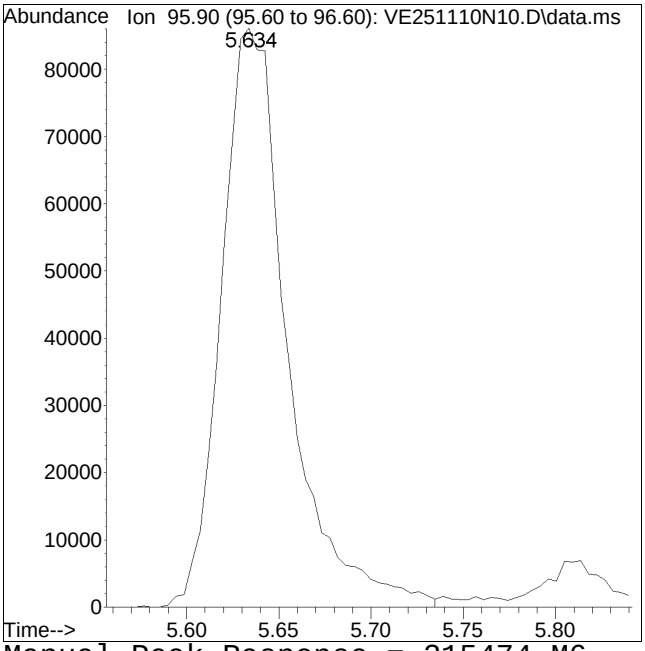
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N10.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:06 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 11/11/2025 1:18 pm

Compound #1: Fluorobenzene



Original Peak Response = 229599



Manual Peak Response = 215474 M6

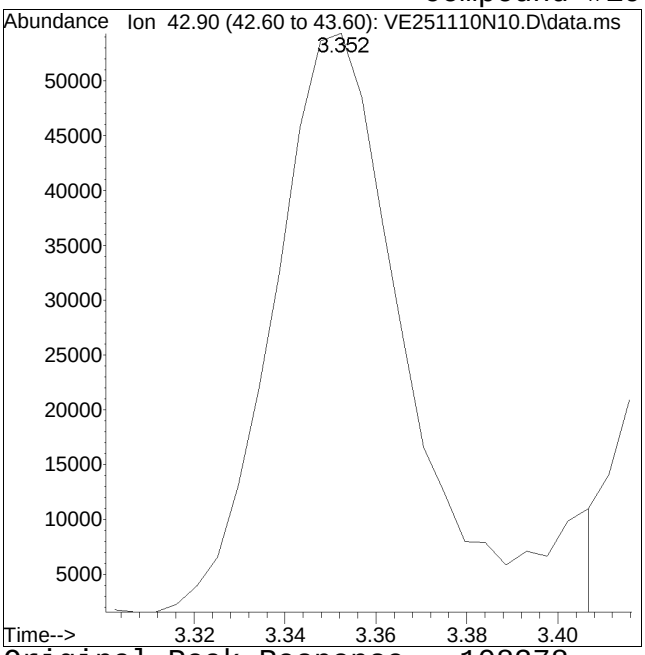
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

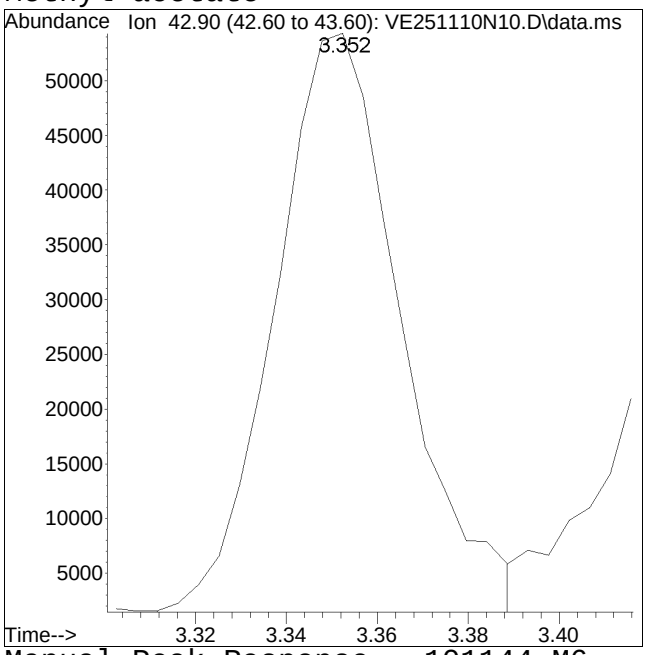
Data Path : K:\Elaine\2025\251110NICALQ
Data File : VE251110N10.D
Date Inj'd : 11/11/2025 12:06 am
Sample : I8260STD30PPB

Method : Elaine_251111N_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 11/11/2025 1:18 pm

Compound #19: Methyl acetate



Original Peak Response = 108378



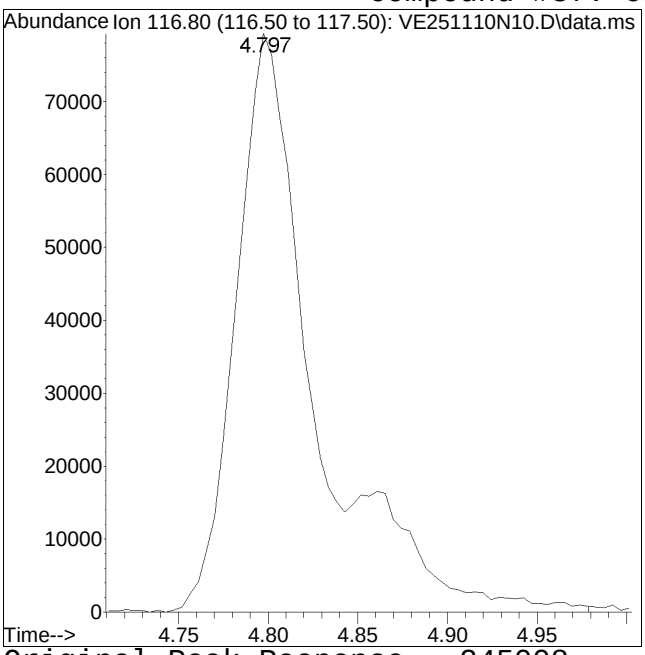
Manual Peak Response = 101144 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

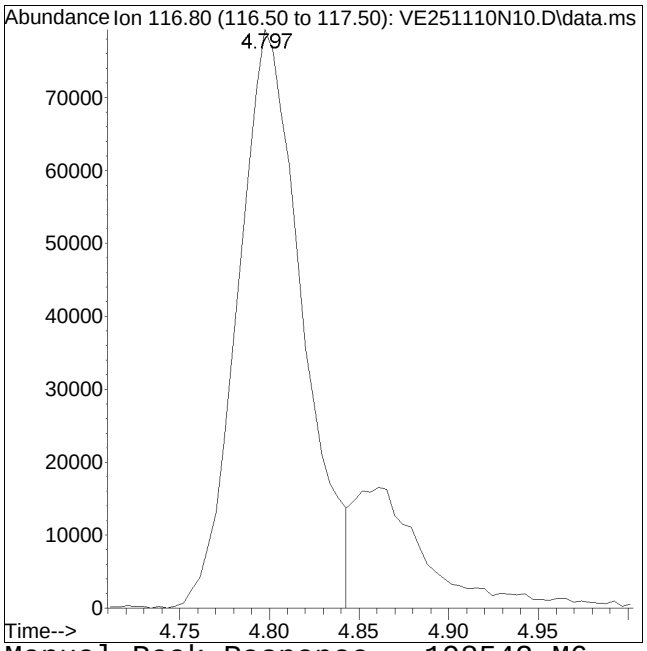
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N10.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:06 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 11/11/2025 1:18 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 245008



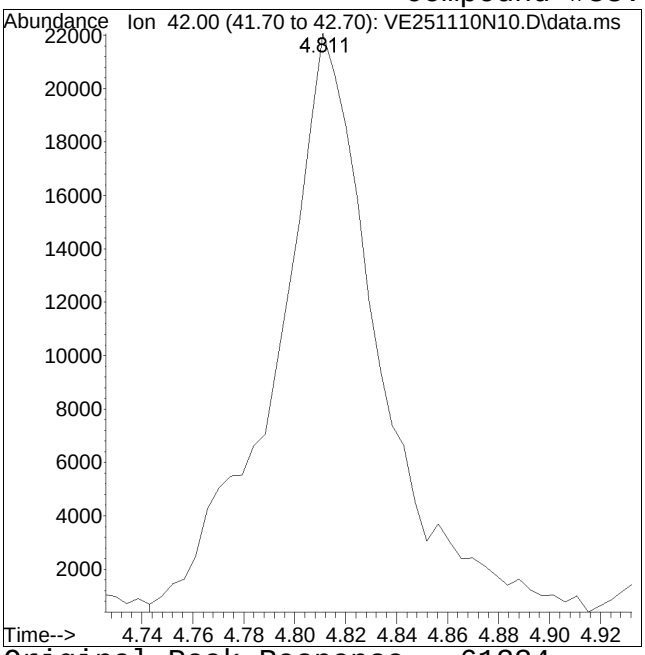
Manual Peak Response = 198542 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

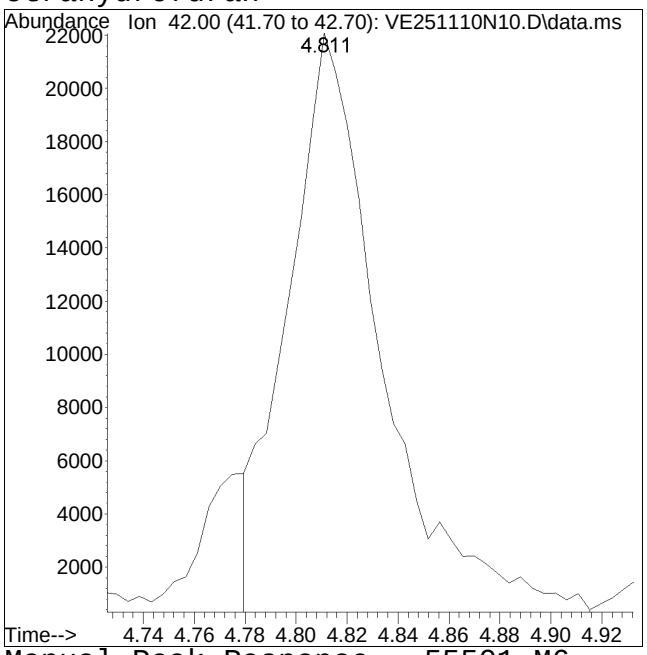
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N10.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:06 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 11/11/2025 1:18 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 61234



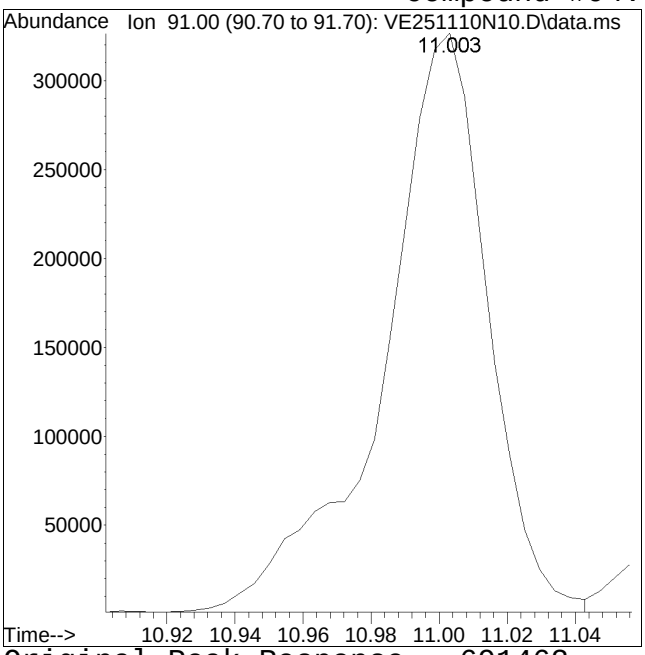
Manual Peak Response = 55501 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

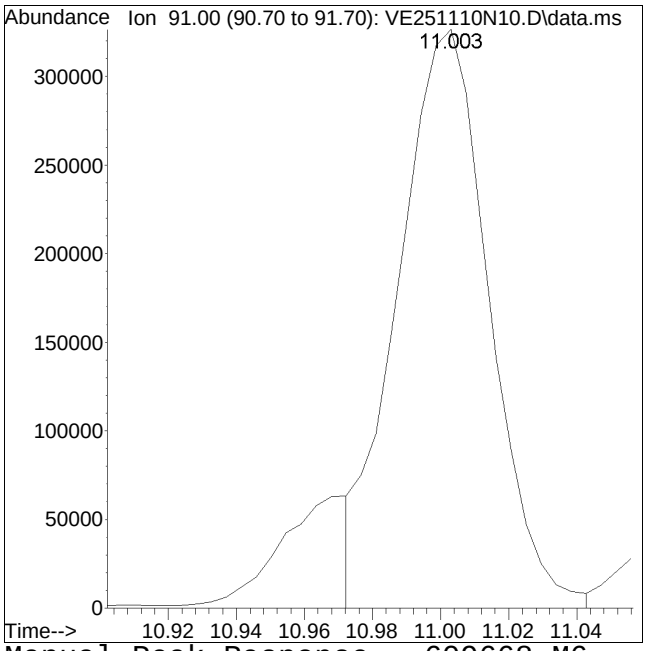
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N10.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:06 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 11/11/2025 1:18 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 691462



Manual Peak Response = 609668 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N11.D
Acq On : 11 Nov 2025 12:30 am
Operator : ELAINE:PID
Sample : I8260STD80PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 11 13:53:40 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.634	96	249611	10.000	ug/L	0.00
Standard Area 1 = 194422			Recovery = 128.39%			
63) Chlorobenzene-d5	9.131	117	177762	10.000	ug/L	0.00
Standard Area 1 = 153144			Recovery = 116.08%			
84) 1,4-Dichlorobenzene-d4	11.911	152	102043	10.000	ug/L	0.00
Standard Area 1 = 86422			Recovery = 118.08%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.843	113	62400	8.622	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.22%			
47) 1,2-Dichloroethane-d4	5.357	65	83607M6	8.591	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.91%			
64) Toluene-d8	7.310	98	245876	10.125	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.25%			
88) 4-Bromofluorobenzene	10.664	95	92958	9.559	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.59%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.468	85	655159	64.092	ug/L	99
3) Chloromethane	1.636	50	805699	63.824	ug/L	97
4) Vinyl chloride	1.704	62	643195	59.803	ug/L	99
5) Bromomethane	1.989	94	323113	87.734	ug/L	98
6) Chloroethane	2.084	64	441476	66.240	ug/L	97
7) Trichlorofluoromethane	2.220	101	788590	61.373	ug/L	96
8) Ethyl ether	2.492	74	274114	84.554	ug/L	93
10) 1,1-Dichloroethene	2.678	96	444281	67.952	ug/L	97
11) Carbon disulfide	2.709	76	1456645	66.124	ug/L	100
12) Freon-113	2.709	101	442667	69.383	ug/L	94
13) Iodomethane	2.805	142	370543	123.256	ug/L	96
14) Acrolein	2.972	56	74967	97.142	ug/L	88
15) Methylene chloride	3.203	84	478704	65.235	ug/L	94
17) Acetone	3.235	43	155658	65.971	ug/L #	89
18) trans-1,2-Dichloroethene	3.348	96	440552	73.496	ug/L	98
19) Methyl acetate	3.348	43	299092M4	77.114	ug/L	
21) Methyl tert-butyl ether	3.439	73	1101941	97.297	ug/L #	94
22) tert-Butyl alcohol	3.529	59	153461	373.534	ug/L #	100
24) Diisopropyl ether	3.788	45	2314500	90.125	ug/L	97
25) 1,1-Dichloroethane	3.910	63	1120671	69.225	ug/L	99

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N11.D
Acq On : 11 Nov 2025 12:30 am
Operator : ELAINE:PID
Sample : I8260STD80PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 11 13:53:40 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Halothane	3.964	117	313556	79.829	ug/L	97
27) Acrylonitrile	3.951	53	178387	79.005	ug/L	97
28) Ethyl tert-butyl ether	4.123	59	1622713	96.162	ug/L	95
29) Vinyl acetate	4.132	43	1418677	104.186	ug/L	99
30) cis-1,2-Dichloroethene	4.413	96	514256	73.827	ug/L	97
31) 2,2-Dichloropropane	4.508	77	780493	79.243	ug/L	95
33) Bromochloromethane	4.598	128	214358	68.726	ug/L	98
34) Cyclohexane	4.603	56	1232093	79.293	ug/L	99
35) Chloroform	4.671	83	881776	68.756	ug/L	98
36) Ethyl acetate	4.775	43	481582	89.189	ug/L	98
37) Carbon tetrachloride	4.802	117	604764M6	77.552	ug/L	
38) Tetrahydrofuran	4.816	42	157759M6	75.201	ug/L	
40) 1,1,1-Trichloroethane	4.861	97	739973	76.785	ug/L	97
42) 2-Butanone	4.952	43	216583	79.608	ug/L	96
43) 1,1-Dichloropropene	4.983	75	667613	88.305	ug/L	100
45) Benzene	5.221	78	1967232	79.841	ug/L	96
46) tert-Amyl methyl ether	5.331	73	1073225	94.031	ug/L	94
48) 1,2-Dichloroethane	5.423	62	771145	81.352	ug/L	99
51) Methyl cyclohexane	5.801	83	827090	89.174	ug/L	95
52) Trichloroethene	5.809	95	485812	83.979	ug/L	99
54) Dibromomethane	6.239	93	273704	78.667	ug/L	99
55) 1,2-Dichloropropane	6.345	63	619226	85.106	ug/L	99
57) 2-Chloroethyl vinyl ether	7.038	63	270260	94.005	ug/L	96
58) Bromodichloromethane	6.424	83	685132	89.409	ug/L	95
61) 1,4-Dioxane	6.626	88	33400	739.112	ug/L	96
62) cis-1,3-Dichloropropene	7.104	75	814588	94.205	ug/L	97
65) Toluene	7.363	92	1096802	78.702	ug/L	99
66) 4-Methyl-2-pentanone	7.797	58	142523	89.520	ug/L	98
67) Tetrachloroethene	7.806	166	393511	80.113	ug/L	100
69) trans-1,3-Dichloropropene	7.845	75	671590	100.061	ug/L	97
71) Ethyl methacrylate	8.034	69	463141	83.503	ug/L	93
72) 1,1,2-Trichloroethane	8.030	83	298067	92.244	ug/L	98
73) Chlorodibromomethane	8.236	129	430800	99.795	ug/L	99
74) 1,3-Dichloropropane	8.346	76	676259	91.866	ug/L	98
75) 1,2-Dibromoethane	8.504	107	347637	92.368	ug/L	97
77) 2-Hexanone	8.793	43	339377	86.090	ug/L	97
78) Chlorobenzene	9.153	112	1238074	78.807	ug/L	98
79) Ethylbenzene	9.193	91	2336129	77.963	ug/L	99
80) 1,1,1,2-Tetrachloroethane	9.241	131	414170	97.084	ug/L	98
81) p/m Xylene	9.381	106	1783667	154.219	ug/L	97

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N11.D
Acq On : 11 Nov 2025 12:30 am
Operator : ELAINE:PID
Sample : I8260STD80PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 11 13:53:40 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) o Xylene	9.925	106	1804077	162.241	ug/L	99
83) Styrene	10.000	104	3204344	174.814	ug/L	100
85) Bromoform	10.022	173	255523	106.578	ug/L	98
87) Isopropylbenzene	10.329	105	2563069	82.816	ug/L	99
89) Bromobenzene	10.779	156	507063	81.657	ug/L	97
90) n-Propylbenzene	10.836	91	3202578	81.863	ug/L	100
91) 1,4-Dichlorobutane	10.849	55	1010528	86.334	ug/L	100
92) 1,1,2,2-Tetrachloroethane	10.933	83	426188	78.963	ug/L	98
93) 4-Ethyltoluene	10.968	105	2445409	79.824	ug/L	100
94) 2-Chlorotoluene	11.003	91	1745008M6	73.393	ug/L	
95) 1,3,5-Trimethylbenzene	11.069	105	2265376	85.492	ug/L	100
96) 1,2,3-Trichloropropane	11.065	75	397764	85.592	ug/L	99
97) trans-1,4-Dichloro-2-b...	11.127	53	203458	85.723	ug/L	89
98) 4-Chlorotoluene	11.193	91	1896015	79.404	ug/L	99
99) tert-Butylbenzene	11.417	119	1816609	80.951	ug/L	99
102) 1,2,4-Trimethylbenzene	11.497	105	2289040	85.948	ug/L	98
103) sec-Butylbenzene	11.611	105	2850110	82.321	ug/L	99
104) p-Isopropyltoluene	11.774	119	2423865	86.119	ug/L	98
105) 1,3-Dichlorobenzene	11.831	146	1122428	81.263	ug/L	99
106) 1,4-Dichlorobenzene	11.928	146	1088462	79.992	ug/L	99
107) p-Diethylbenzene	12.153	119	1408598	83.330	ug/L	98
108) n-Butylbenzene	12.210	91	2326689	82.350	ug/L	98
109) 1,2-Dichlorobenzene	12.356	146	1033748	78.973	ug/L	98
110) 1,2,4,5-Tetramethylben...	12.959	119	2270454	85.272	ug/L	99
111) 1,2-Dibromo-3-chloropr...	13.144	155	66432	82.460	ug/L	100
112) 1,3,5-Trichlorobenzene	13.180	180	699732	82.440	ug/L	99
113) Hexachlorobutadiene	13.761	225	179625	83.116	ug/L	96
114) 1,2,4-Trichlorobenzene	13.779	180	583928	84.586	ug/L	99
115) Naphthalene	14.074	128	1539714	91.530	ug/L	100
116) 1,2,3-Trichlorobenzene	14.241	180	518563	89.513	ug/L	97

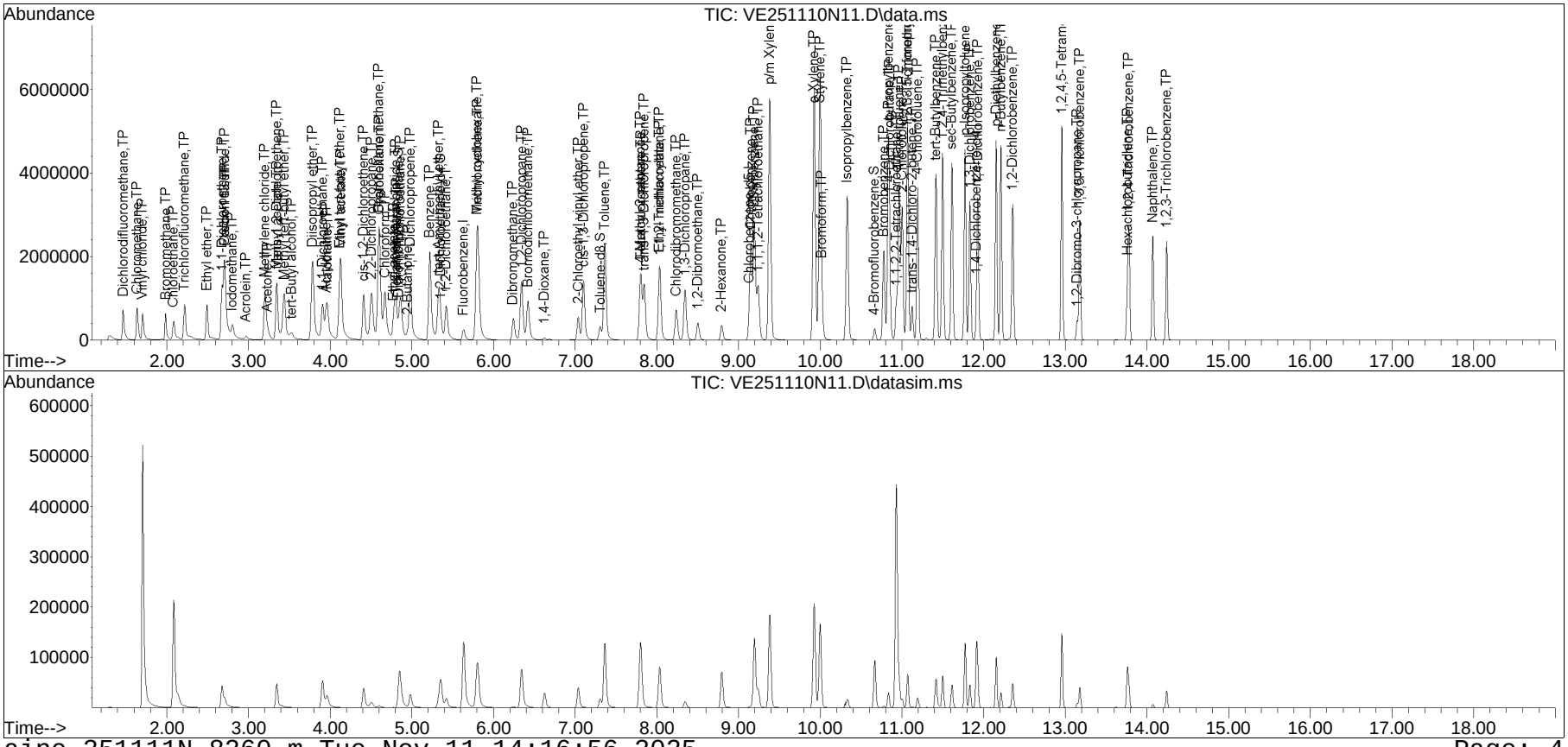
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N11.D
Acq On : 11 Nov 2025 12:30 am
Operator : ELAINE:PID
Sample : I8260STD80PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 11 13:53:40 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

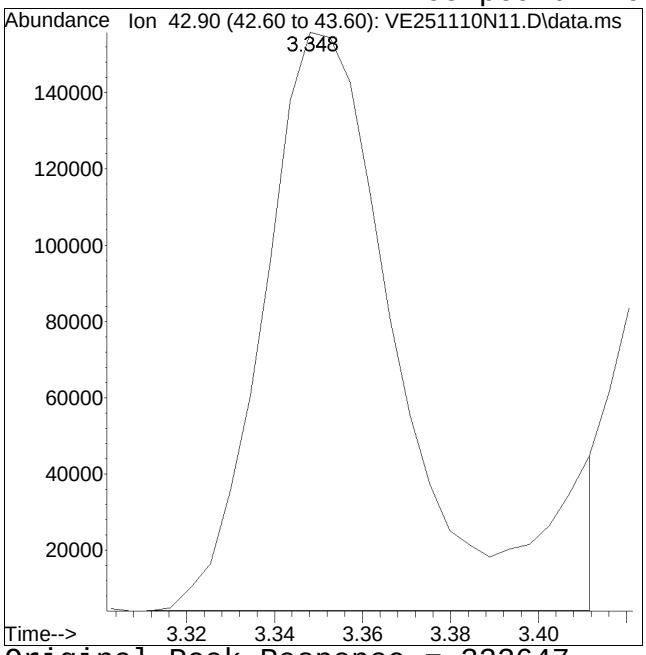
Sub List : 8260-Curve - Megamix plus Diox\VE251110N09.D•



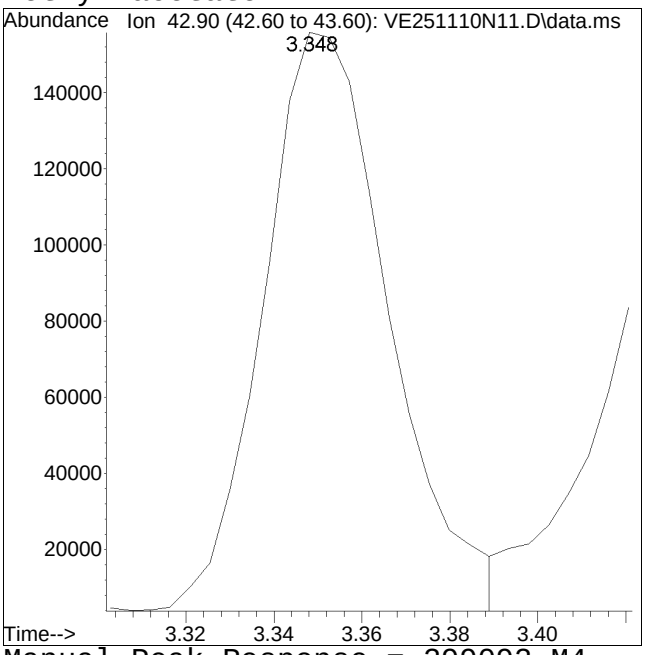
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N11.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:30 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 11/11/2025 1:19 pm

Compound #19: Methyl acetate



Original Peak Response = 332647



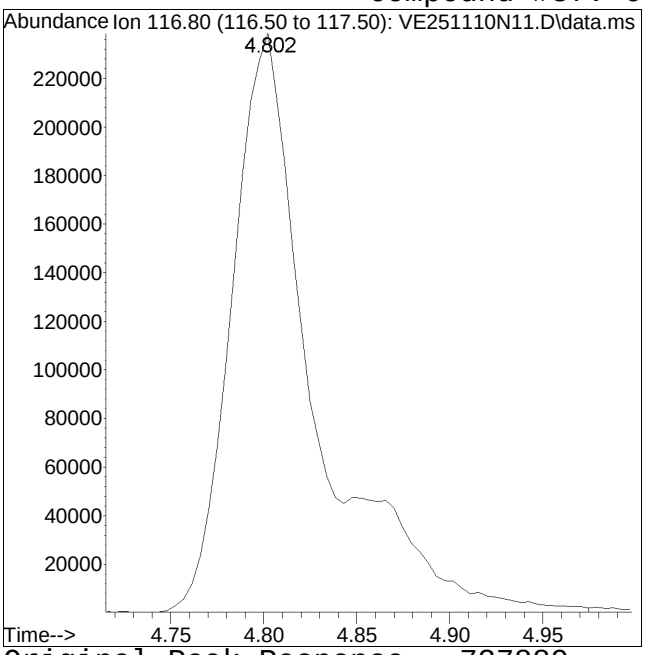
Manual Peak Response = 299092 M4

M4 = Poor automated baseline construction.

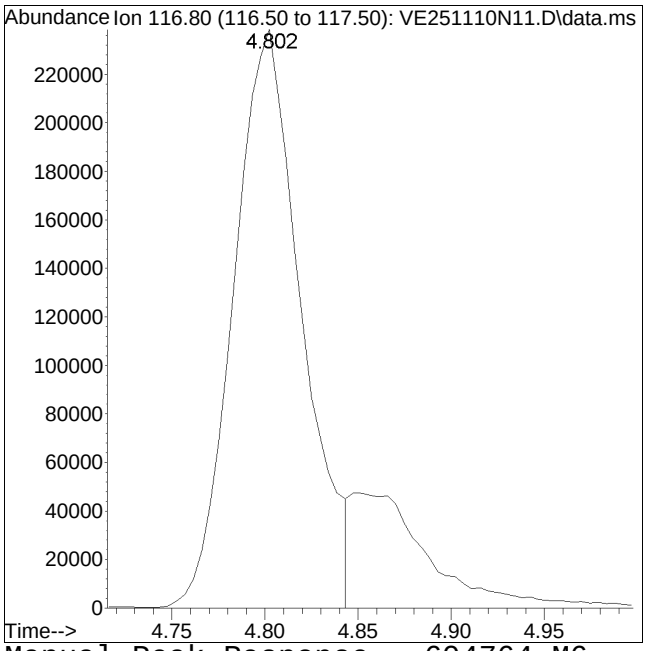
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N11.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:30 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 11/11/2025 1:19 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 737889



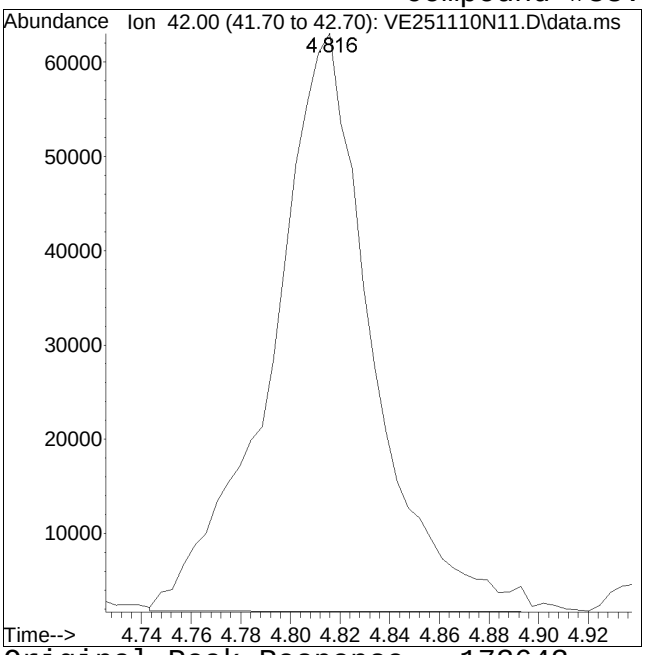
Manual Peak Response = 604764 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

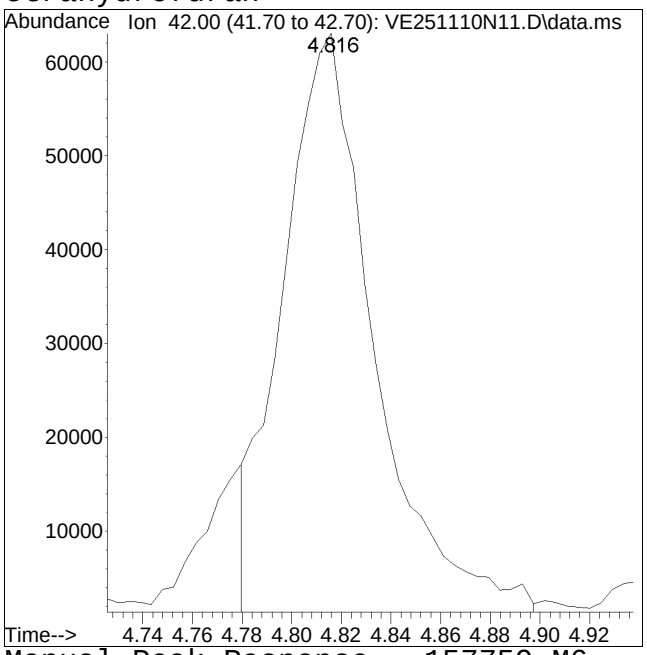
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N11.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:30 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 11/11/2025 1:19 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 173643



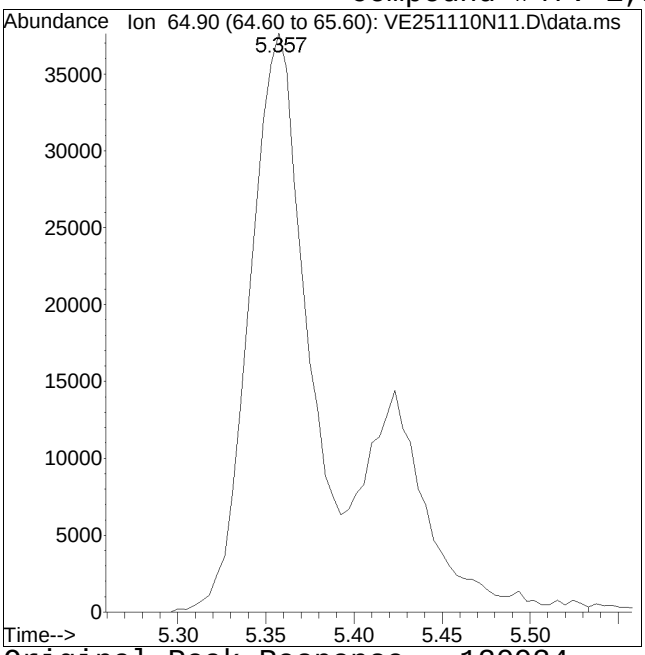
Manual Peak Response = 157759 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

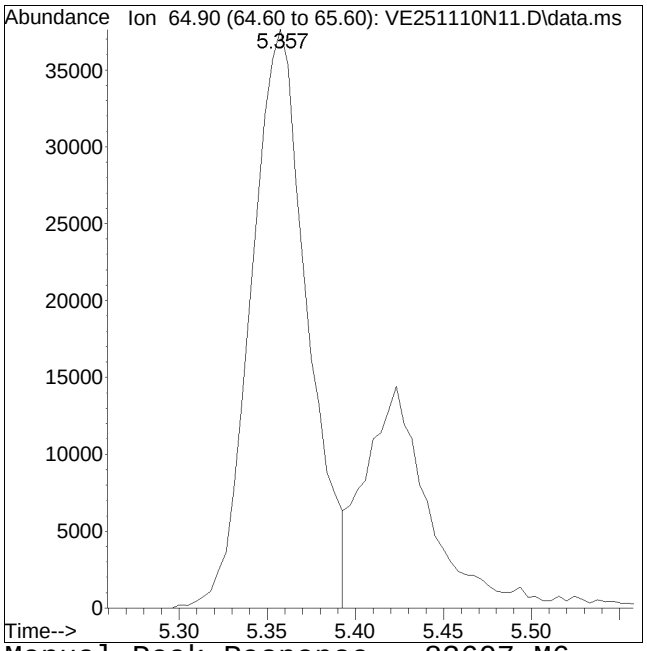
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N11.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:30 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 11/11/2025 1:19 pm

Compound #47: 1,2-Dichloroethane-d4



Original Peak Response = 120934



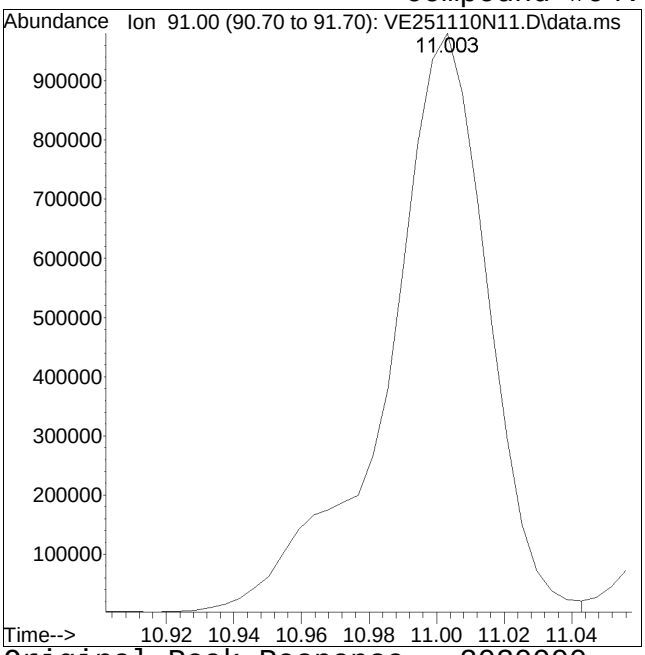
Manual Peak Response = 83607 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

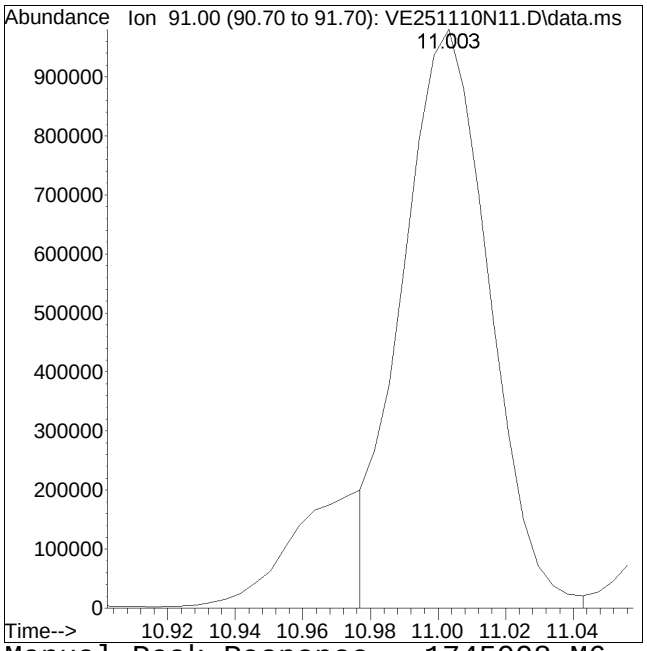
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N11.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:30 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 11/11/2025 1:19 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 2030000



Manual Peak Response = 1745008 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N12.D
Acq On : 11 Nov 2025 12:54 am
Operator : ELAINE:PID
Sample : I8260STD120PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 11 13:54:57 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.634	96	269793	10.000	ug/L	0.00
Standard Area 1 = 194422			Recovery = 138.77%			
63) Chlorobenzene-d5	9.131	117	195540	10.000	ug/L	0.00
Standard Area 1 = 153144			Recovery = 127.68%			
84) 1,4-Dichlorobenzene-d4	11.915	152	106945	10.000	ug/L	0.00
Standard Area 1 = 86422			Recovery = 123.75%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.843	113	66499	8.501	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.01%			
47) 1,2-Dichloroethane-d4	5.362	65	92741M6	8.816	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.16%			
64) Toluene-d8	7.306	98	256452	9.600	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.00%			
88) 4-Bromofluorobenzene	10.668	95	98726	9.687	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.87%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.463	85	1003379	90.815	ug/L	99
3) Chloromethane	1.640	50	1269535	93.044	ug/L	98
4) Vinyl chloride	1.703	62	991637	85.304	ug/L	99
5) Bromomethane	1.984	94	543844	136.622	ug/L	92
6) Chloroethane	2.084	64	726633	100.870	ug/L	96
7) Trichlorofluoromethane	2.220	101	1266643	91.204	ug/L	96
8) Ethyl ether	2.496	74	467132	133.314	ug/L	93
10) 1,1-Dichloroethene	2.677	96	704173	99.645	ug/L	98
11) Carbon disulfide	2.709	76	2354313	98.879	ug/L	100
12) Freon-113	2.709	101	708878	102.797	ug/L	93
13) Iodomethane	2.804	142	622167	191.474	ug/L	97
14) Acrolein	2.976	56	128490	154.041	ug/L	85
15) Methylene chloride	3.203	84	775542	97.780	ug/L	96
17) Acetone	3.235	43	252930	99.178	ug/L #	88
18) trans-1,2-Dichloroethene	3.348	96	714183	110.233	ug/L	97
19) Methyl acetate	3.348	43	507714M6	121.111	ug/L	
21) Methyl tert-butyl ether	3.438	73	1909551	155.992	ug/L #	93
22) tert-Butyl alcohol	3.534	59	269288	606.431	ug/L #	100
24) Diisopropyl ether	3.787	45	3901479	140.556	ug/L	97
25) 1,1-Dichloroethane	3.910	63	1775618	101.478	ug/L	99

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N12.D
Acq On : 11 Nov 2025 12:54 am
Operator : ELAINE:PID
Sample : I8260STD120PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 11 13:54:57 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Halothane	3.964	117	511692	120.528	ug/L	97
27) Acrylonitrile	3.950	53	297894	122.063	ug/L	96
28) Ethyl tert-butyl ether	4.122	59	2799208	153.472	ug/L	94
29) Vinyl acetate	4.132	43	2496967	169.657	ug/L	99
30) cis-1,2-Dichloroethene	4.412	96	822987	109.310	ug/L	96
31) 2,2-Dichloropropane	4.508	77	1276948	119.949	ug/L	88
33) Bromochloromethane	4.598	128	331338	98.285	ug/L	97
34) Cyclohexane	4.598	56	1973800	117.525	ug/L	99
35) Chloroform	4.675	83	1420298	102.463	ug/L	99
36) Ethyl acetate	4.775	43	824982	141.358	ug/L	98
37) Carbon tetrachloride	4.797	117	1023431M6	121.422	ug/L	
38) Tetrahydrofuran	4.811	42	257971M6	113.772	ug/L	
40) 1,1,1-Trichloroethane	4.861	97	1206268	115.808	ug/L	97
42) 2-Butanone	4.951	43	356901	121.370	ug/L	98
43) 1,1-Dichloropropene	4.983	75	1083539	132.599	ug/L	100
45) Benzene	5.221	78	3243504	121.792	ug/L	97
46) tert-Amyl methyl ether	5.335	73	1839908	149.145	ug/L	93
48) 1,2-Dichloroethane	5.423	62	1275186	124.462	ug/L	99
51) Methyl cyclohexane	5.801	83	1348699	134.535	ug/L	95
52) Trichloroethene	5.814	95	798229	127.662	ug/L	99
54) Dibromomethane	6.244	93	452139	120.231	ug/L	100
55) 1,2-Dichloropropane	6.345	63	1012377	128.733	ug/L	98
57) 2-Chloroethyl vinyl ether	7.038	63	452893	145.746	ug/L	96
58) Bromodichloromethane	6.424	83	1122346	135.509	ug/L	95
61) 1,4-Dioxane	6.625	88	53802	1101.527	ug/L	95
62) cis-1,3-Dichloropropene	7.104	75	1350061	144.452	ug/L	96
65) Toluene	7.363	92	1783062	116.313	ug/L	100
66) 4-Methyl-2-pentanone	7.793	58	242322	138.366	ug/L	94
67) Tetrachloroethene	7.806	166	646230	119.601	ug/L	100
69) trans-1,3-Dichloropropene	7.845	75	1115134	151.040	ug/L	96
71) Ethyl methacrylate	8.038	69	757330	124.130	ug/L	93
72) 1,1,2-Trichloroethane	8.034	83	497255	139.896	ug/L	99
73) Chlorodibromomethane	8.240	129	723275	152.315	ug/L	98
74) 1,3-Dichloropropane	8.346	76	1115467	137.753	ug/L	99
75) 1,2-Dibromoethane	8.504	107	573844	138.609	ug/L	99
77) 2-Hexanone	8.793	43	545306	125.751	ug/L	99
78) Chlorobenzene	9.153	112	2024135	117.128	ug/L	97
79) Ethylbenzene	9.192	91	3768852	114.341	ug/L	99
80) 1,1,1,2-Tetrachloroethane	9.241	131	690832	147.212	ug/L	97
81) p/m Xylene	9.381	106	2952151	232.041	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N12.D
Acq On : 11 Nov 2025 12:54 am
Operator : ELAINE:PID
Sample : I8260STD120PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 11 13:54:57 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) o Xylene	9.930	106	3003457	245.544	ug/L	100
83) Styrene	10.000	104	5393156	267.475	ug/L	100
85) Bromoform	10.026	173	443185	176.379	ug/L	97
87) Isopropylbenzene	10.329	105	4206847	129.698	ug/L	99
89) Bromobenzene	10.778	156	809830	124.436	ug/L	98
90) n-Propylbenzene	10.836	91	5225677	127.453	ug/L	100
91) 1,4-Dichlorobutane	10.849	55	1655205	134.931	ug/L	99
92) 1,1,2,2-Tetrachloroethane	10.933	83	696879	123.197	ug/L	97
93) 4-Ethyltoluene	10.968	105	3987456	124.194	ug/L	100
94) 2-Chlorotoluene	11.003	91	2968946M6	119.147	ug/L	
95) 1,3,5-Trimethylbenzene	11.074	105	3676166	132.374	ug/L	100
96) 1,2,3-Trichloropropane	11.065	75	667717	137.096	ug/L	98
97) trans-1,4-Dichloro-2-b...	11.126	53	336059	135.102	ug/L	87
98) 4-Chlorotoluene	11.193	91	3087627	123.381	ug/L	99
99) tert-Butylbenzene	11.417	119	2930282	124.593	ug/L	99
102) 1,2,4-Trimethylbenzene	11.497	105	3653963	130.908	ug/L	99
103) sec-Butylbenzene	11.611	105	4576785	126.134	ug/L	100
104) p-Isopropyltoluene	11.774	119	3882213	131.611	ug/L	98
105) 1,3-Dichlorobenzene	11.836	146	1793011	123.863	ug/L	98
106) 1,4-Dichlorobenzene	11.928	146	1754489	123.029	ug/L	99
107) p-Diethylbenzene	12.157	119	2308687	130.317	ug/L	98
108) n-Butylbenzene	12.215	91	3767744	127.241	ug/L	98
109) 1,2-Dichlorobenzene	12.356	146	1668669	121.635	ug/L	99
110) 1,2,4,5-Tetramethylben...	12.959	119	3867929	138.610	ug/L	98
111) 1,2-Dibromo-3-chloropr...	13.149	155	109781	130.022	ug/L	96
112) 1,3,5-Trichlorobenzene	13.179	180	1151314	129.427	ug/L	99
113) Hexachlorobutadiene	13.761	225	285955	126.252	ug/L	96
114) 1,2,4-Trichlorobenzene	13.779	180	944189	130.503	ug/L	99
115) Naphthalene	14.069	128	2534422	143.756	ug/L	100
116) 1,2,3-Trichlorobenzene	14.241	180	848731	139.791	ug/L	97

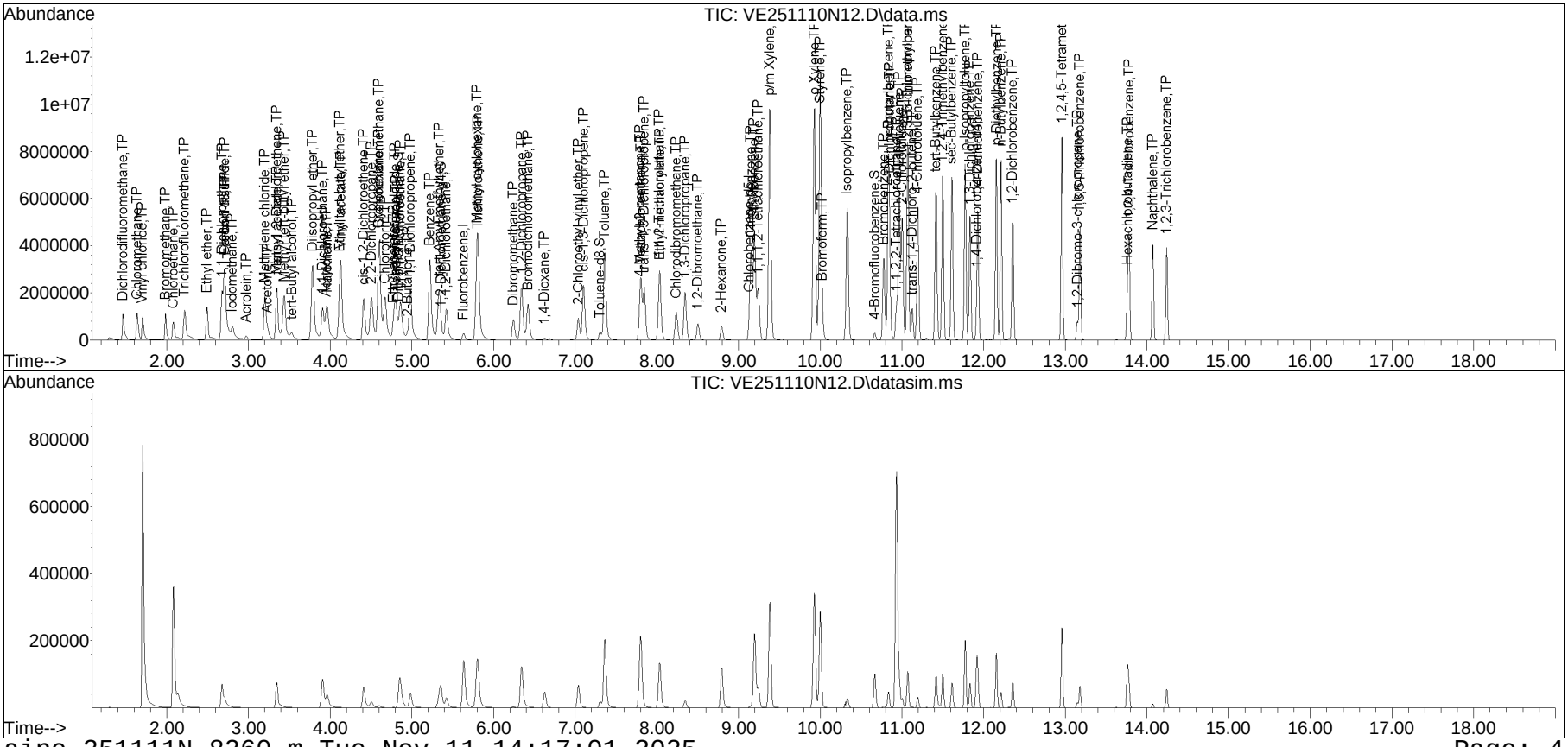
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N12.D
Acq On : 11 Nov 2025 12:54 am
Operator : ELAINE:PID
Sample : I8260STD120PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 11 13:54:57 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

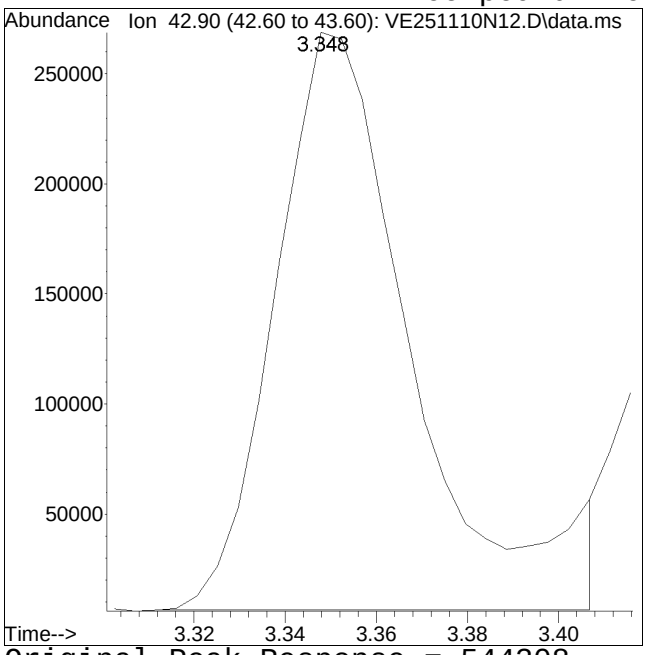
Sub List : 8260-Curve - Megamix plus Diox\VE251110N09.D•



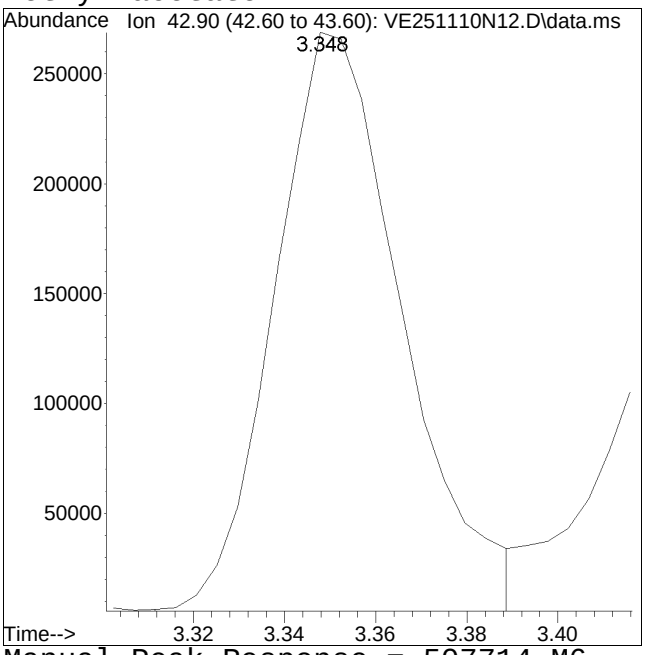
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N12.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:54 am Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 11/11/2025 1:19 pm

Compound #19: Methyl acetate



Original Peak Response = 544308



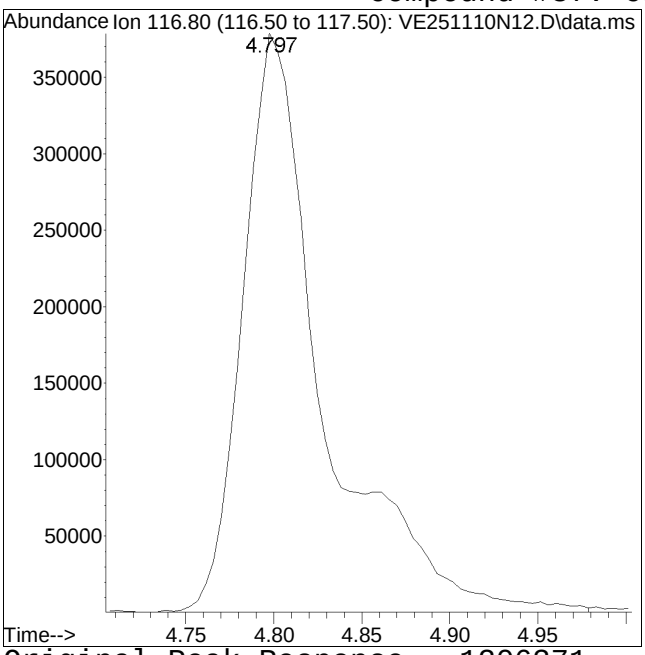
Manual Peak Response = 507714 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

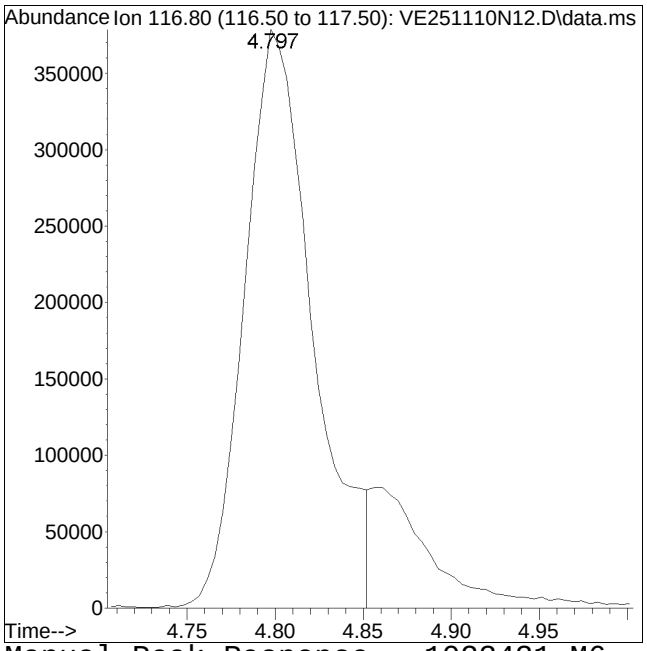
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N12.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:54 am Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 11/11/2025 1:19 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 1206371



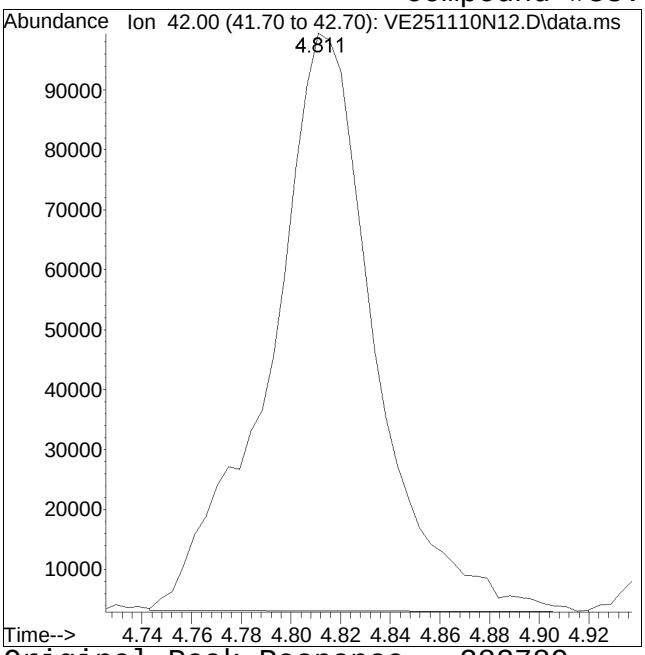
Manual Peak Response = 1023431 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

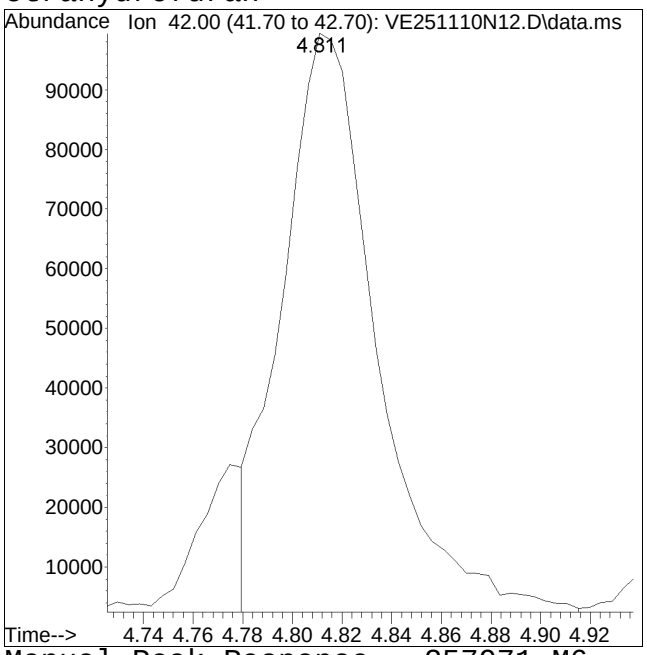
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N12.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:54 am Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 11/11/2025 1:19 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 282789



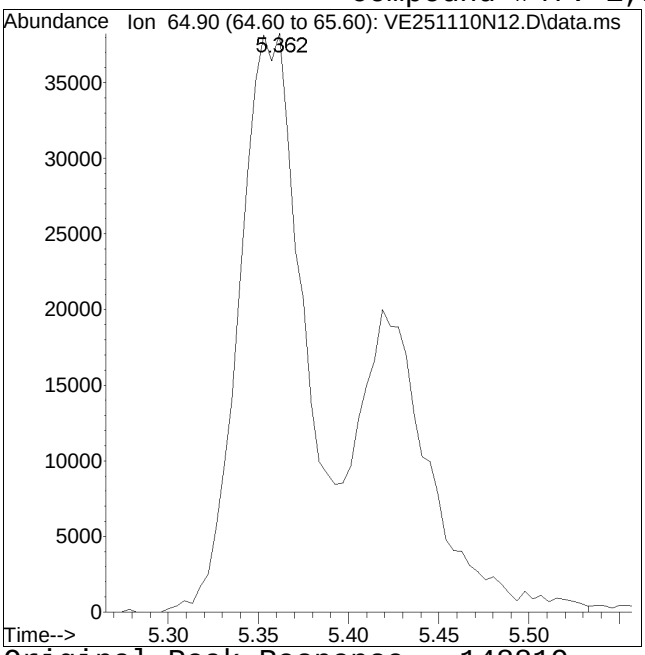
Manual Peak Response = 257971 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

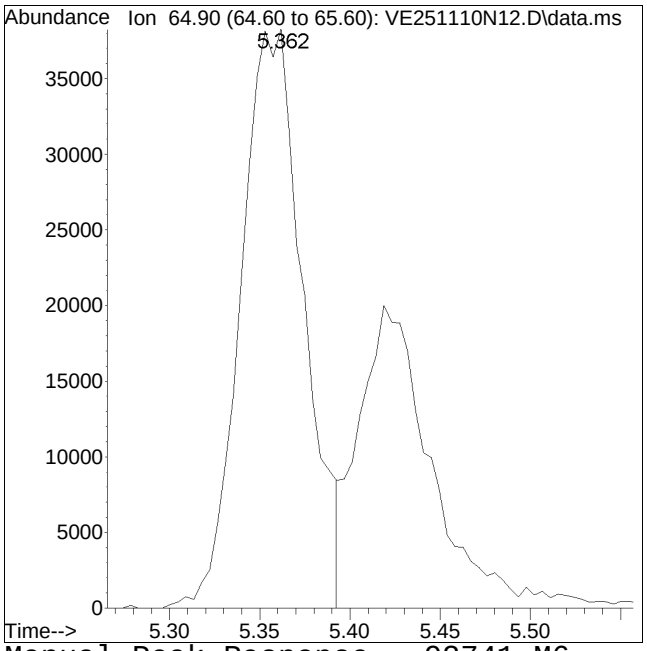
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N12.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:54 am Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 11/11/2025 1:19 pm

Compound #47: 1,2-Dichloroethane-d4



Original Peak Response = 148819



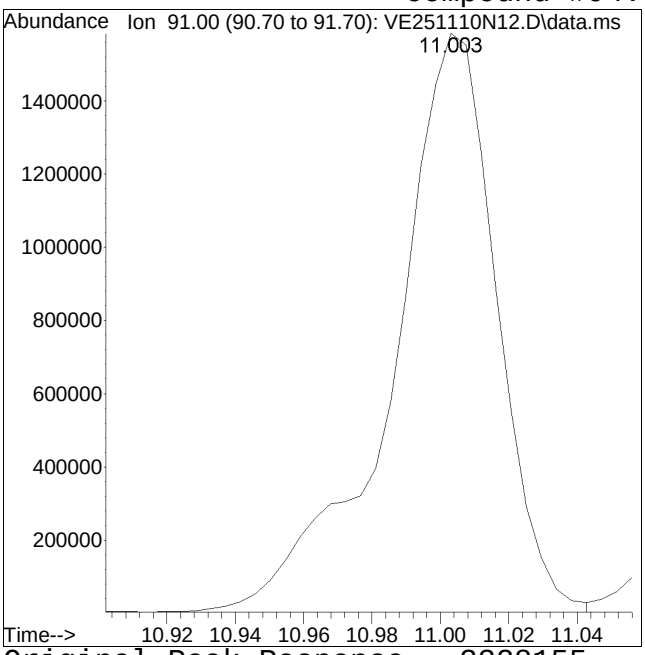
Manual Peak Response = 92741 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

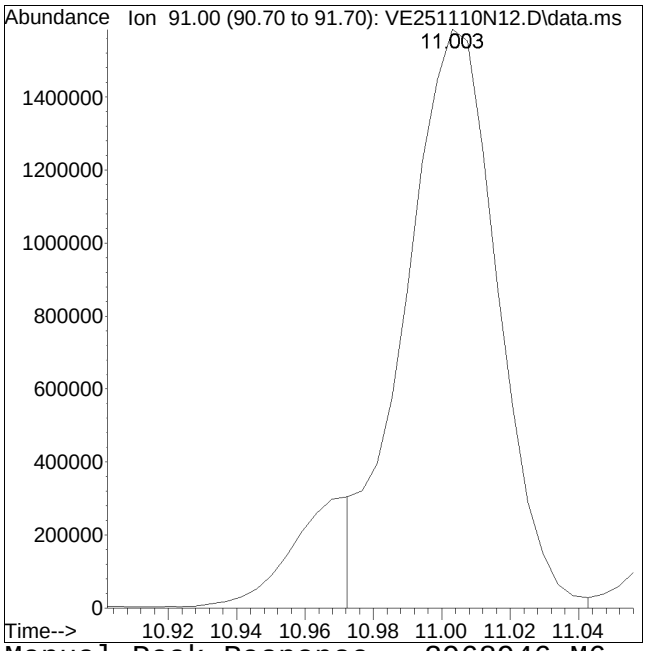
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N12.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 12:54 am Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 11/11/2025 1:19 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 3328155



Manual Peak Response = 2968946 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N13.D
Acq On : 11 Nov 2025 1:18 am
Operator : ELAINE:PID
Sample : I8260STD200PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 11 13:56:16 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.634	96	300189	10.000	ug/L	0.00
Standard Area 1 = 194422			Recovery = 154.40%			
63) Chlorobenzene-d5	9.131	117	220936	10.000	ug/L	0.00
Standard Area 1 = 153144			Recovery = 144.27%			
84) 1,4-Dichlorobenzene-d4	11.915	152	124587	10.000	ug/L	0.00
Standard Area 1 = 86422			Recovery = 144.16%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.847	113	73788	8.477	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.77%			
47) 1,2-Dichloroethane-d4	5.357	65	107265M6	9.165	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.65%			
64) Toluene-d8	7.306	98	286159	9.481	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.81%			
88) 4-Bromofluorobenzene	10.668	95	113269	9.540	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.463	85	1536261	124.966	ug/L	99
3) Chloromethane	1.636	50	2265798	149.245	ug/L	97
4) Vinyl chloride	1.704	62	1646015	127.258	ug/L	99
5) Bromomethane	1.984	94	1082361	244.373	ug/L	99
6) Chloroethane	2.079	64	1055538	131.691	ug/L	97
7) Trichlorofluoromethane	2.215	101	2076169	134.356	ug/L	96
8) Ethyl ether	2.492	74	876659	224.855	ug/L	93
10) 1,1-Dichloroethene	2.673	96	1243440	158.138	ug/L	97
11) Carbon disulfide	2.705	76	4247385	160.323	ug/L	99
12) Freon-113	2.709	101	1150274	149.916	ug/L	95
13) Iodomethane	2.804	142	1132700	313.295	ug/L	97
14) Acrolein	2.972	56	221462	238.618	ug/L	86
15) Methylene chloride	3.198	84	1381206	156.509	ug/L	99
17) Acetone	3.239	43	463598	163.378	ug/L #	90
18) trans-1,2-Dichloroethene	3.348	96	1240903	172.137	ug/L	97
19) Methyl acetate	3.348	43	928002M6	198.952	ug/L	
21) Methyl tert-butyl ether	3.438	73	3574183	262.413	ug/L #	92
22) tert-Butyl alcohol	3.529	59	478835	969.140	ug/L #	100
24) Diisopropyl ether	3.787	45	7155534	231.685	ug/L	96
25) 1,1-Dichloroethane	3.905	63	3130130	160.775	ug/L	99

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N13.D
Acq On : 11 Nov 2025 1:18 am
Operator : ELAINE:PID
Sample : I8260STD200PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 11 13:56:16 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Halothane	3.964	117	900536	190.641	ug/L	98
27) Acrylonitrile	3.946	53	500345	184.259	ug/L	99
28) Ethyl tert-butyl ether	4.123	59	5252825	258.835	ug/L	94
29) Vinyl acetate	4.132	43	4664032	284.811	ug/L	99
30) cis-1,2-Dichloroethene	4.408	96	1467712	175.204	ug/L	97
31) 2,2-Dichloropropane	4.508	77	2191797	185.037	ug/L	89
33) Bromochloromethane	4.598	128	580107	154.653	ug/L	96
34) Cyclohexane	4.598	56	3113520	166.615	ug/L	100
35) Chloroform	4.675	83	2518200	163.273	ug/L	98
36) Ethyl acetate	4.775	43	1484200	228.562	ug/L	98
37) Carbon tetrachloride	4.798	117	1677981M6	178.922	ug/L	
38) Tetrahydrofuran	4.811	42	493569M6	195.635	ug/L	
40) 1,1,1-Trichloroethane	4.865	97	2069129	178.533	ug/L	97
42) 2-Butanone	4.952	43	654133	199.924	ug/L	99
43) 1,1-Dichloropropene	4.983	75	1849232	203.387	ug/L	99
45) Benzene	5.221	78	5844911	197.250	ug/L	98
46) tert-Amyl methyl ether	5.335	73	3431716	250.012	ug/L	91
48) 1,2-Dichloroethane	5.423	62	2295151	201.331	ug/L	99
51) Methyl cyclohexane	5.801	83	2168461	194.405	ug/L	94
52) Trichloroethene	5.809	95	1428397	205.314	ug/L	98
54) Dibromomethane	6.244	93	820233	196.028	ug/L	99
55) 1,2-Dichloropropane	6.345	63	1802904	206.041	ug/L	99
57) 2-Chloroethyl vinyl ether	7.038	63	696786	201.529	ug/L	97
58) Bromodichloromethane	6.424	83	2032644	220.566	ug/L	96
61) 1,4-Dioxane	6.630	88	92584	1703.604	ug/L	96
62) cis-1,3-Dichloropropene	7.104	75	2430655	233.738	ug/L	96
65) Toluene	7.363	92	3223350	186.097	ug/L	99
66) 4-Methyl-2-pentanone	7.793	58	428866	216.734	ug/L	91
67) Tetrachloroethene	7.806	166	1135367	185.975	ug/L	99
69) trans-1,3-Dichloropropene	7.850	75	2056181	246.487	ug/L	95
71) Ethyl methacrylate	8.038	69	1352119	196.144	ug/L	91
72) 1,1,2-Trichloroethane	8.030	83	906037	225.601	ug/L	99
73) Chlorodibromomethane	8.240	129	1325424	247.037	ug/L	98
74) 1,3-Dichloropropane	8.346	76	1990979	217.611	ug/L	99
75) 1,2-Dibromoethane	8.504	107	1028100	219.787	ug/L	98
77) 2-Hexanone	8.793	43	944619	192.796	ug/L	99
78) Chlorobenzene	9.153	112	3701056	189.547	ug/L	97
79) Ethylbenzene	9.197	91	6873124	184.551	ug/L	99
80) 1,1,1,2-Tetrachloroethane	9.241	131	1288760	243.060	ug/L	97
81) p/m Xylene	9.386	106	5867306	408.163	ug/L	99

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N13.D
Acq On : 11 Nov 2025 1:18 am
Operator : ELAINE:PID
Sample : I8260STD200PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 11 13:56:16 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) o Xylene	9.930	106	5883037	425.675	ug/L		99
83) Styrene	10.004	104	10859465	476.669	ug/L		99
85) Bromoform	10.026	173	850889	290.684	ug/L		99
87) Isopropylbenzene	10.334	105	7708205	203.993	ug/L		99
89) Bromobenzene	10.778	156	1498307	197.625	ug/L		98
90) n-Propylbenzene	10.836	91	9562842	200.209	ug/L		99
91) 1,4-Dichlorobutane	10.849	55	3062728	214.316	ug/L		100
92) 1,1,2,2-Tetrachloroethane	10.937	83	1264940	191.956	ug/L		98
93) 4-Ethyltoluene	10.972	105	7437318	198.842	ug/L		100
94) 2-Chlorotoluene	11.008	91	5494057M6	189.261	ug/L		
95) 1,3,5-Trimethylbenzene	11.074	105	7083556	218.950	ug/L		99
96) 1,2,3-Trichloropropane	11.069	75	1278951	225.410	ug/L		97
97) trans-1,4-Dichloro-2-b...	11.127	53	600646	207.278	ug/L	#	86
98) 4-Chlorotoluene	11.197	91	5757199	197.480	ug/L		99
99) tert-Butylbenzene	11.417	119	5370804	196.025	ug/L		99
102) 1,2,4-Trimethylbenzene	11.501	105	6989067	214.937	ug/L		99
103) sec-Butylbenzene	11.616	105	8354063	197.633	ug/L		99
104) p-Isopropyltoluene	11.779	119	7427110	216.133	ug/L		97
105) 1,3-Dichlorobenzene	11.836	146	3469099	205.714	ug/L		98
106) 1,4-Dichlorobenzene	11.933	146	3432519	206.613	ug/L		98
107) p-Diethylbenzene	12.157	119	4448380	215.539	ug/L		98
108) n-Butylbenzene	12.215	91	7039091	204.057	ug/L		98
109) 1,2-Dichlorobenzene	12.360	146	3237413	202.570	ug/L		99
110) 1,2,4,5-Tetramethylben...	12.959	119	7232917	222.494	ug/L		99
111) 1,2-Dibromo-3-chloropr...	13.149	155	200263	203.600	ug/L		99
112) 1,3,5-Trichlorobenzene	13.180	180	2160425	208.477	ug/L		99
113) Hexachlorobutadiene	13.761	225	501266	189.975	ug/L		96
114) 1,2,4-Trichlorobenzene	13.779	180	1796146	213.103	ug/L		99
115) Naphthalene	14.069	128	4639181	225.879	ug/L		100
116) 1,2,3-Trichlorobenzene	14.241	180	1558024	220.278	ug/L		97

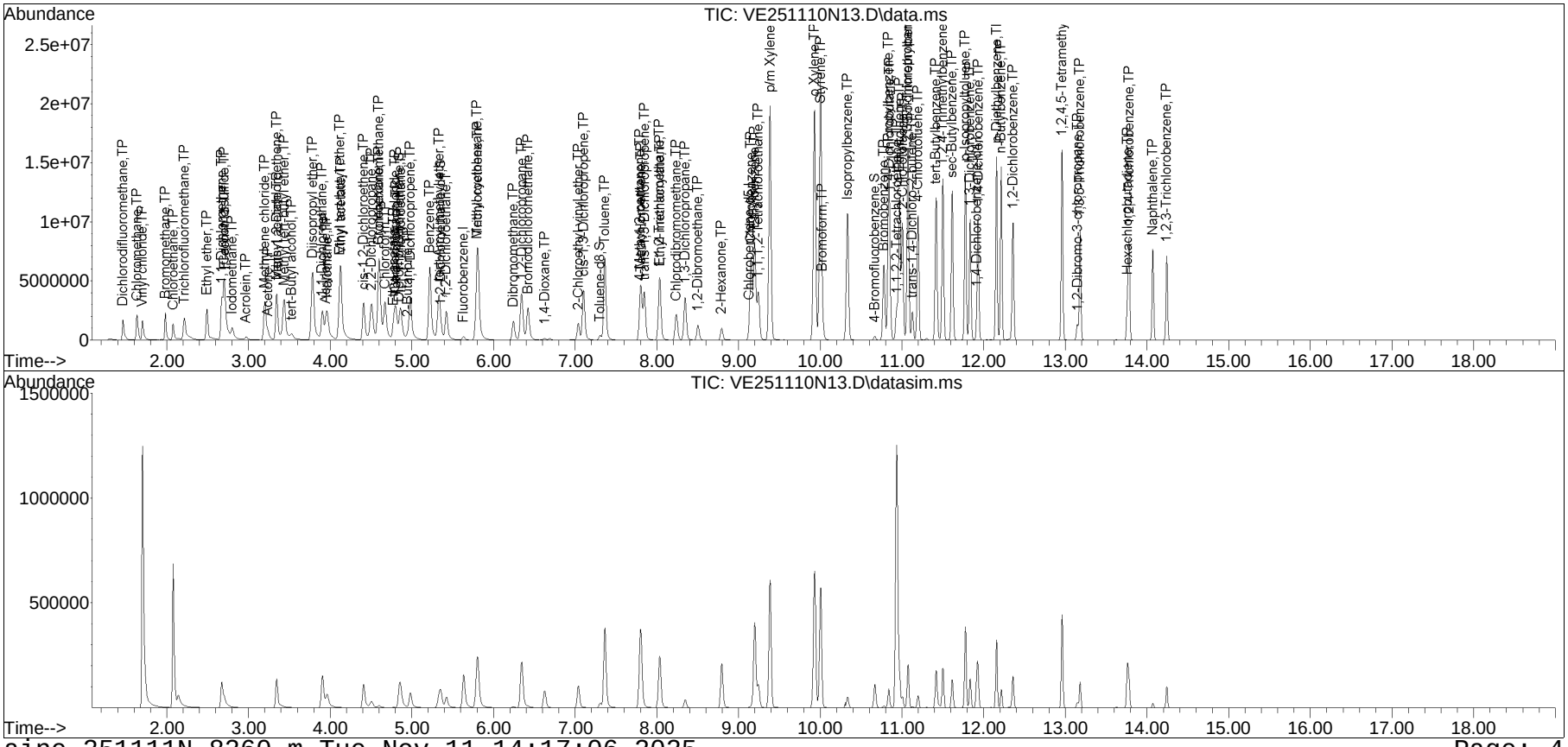
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N13.D
Acq On : 11 Nov 2025 1:18 am
Operator : ELAINE:PID
Sample : I8260STD200PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 11 13:56:16 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 11 13:18:06 2025
Response via : Initial Calibration

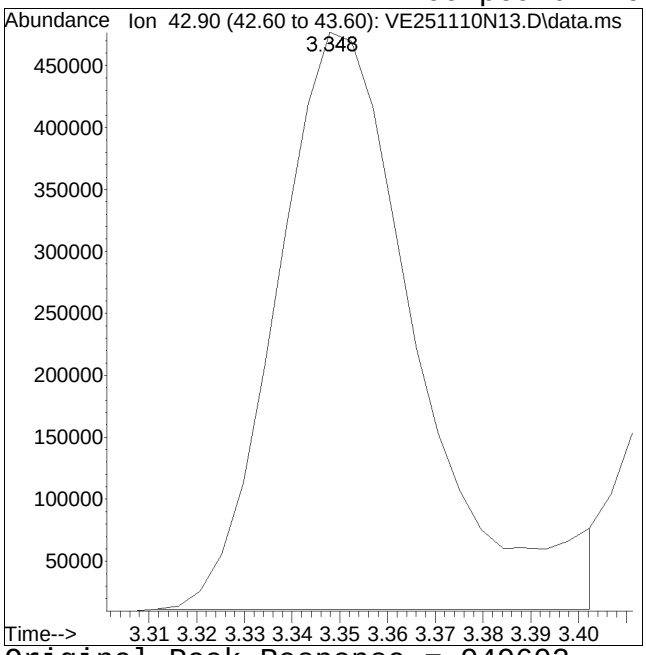
Sub List : 8260-Curve - Megamix plus Diox\VE251110N09.D•



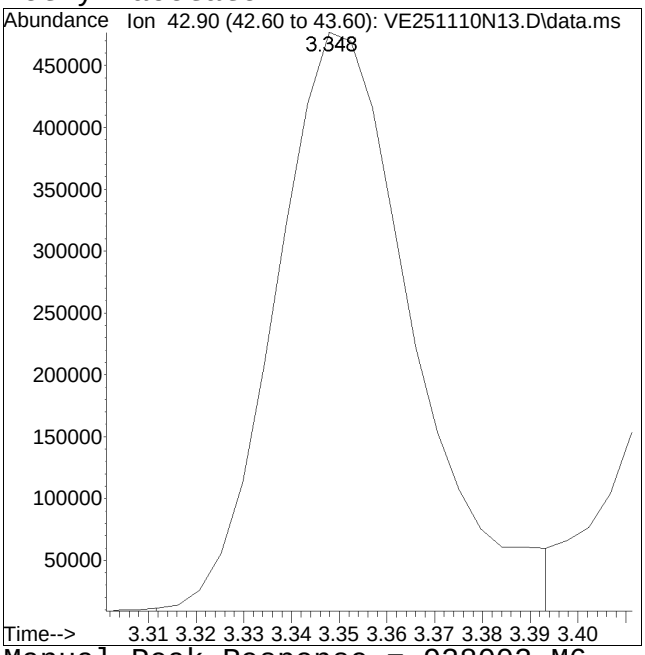
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N13.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 1:18 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 11/11/2025 1:19 pm

Compound #19: Methyl acetate



Original Peak Response = 949602



Manual Peak Response = 928002 M6

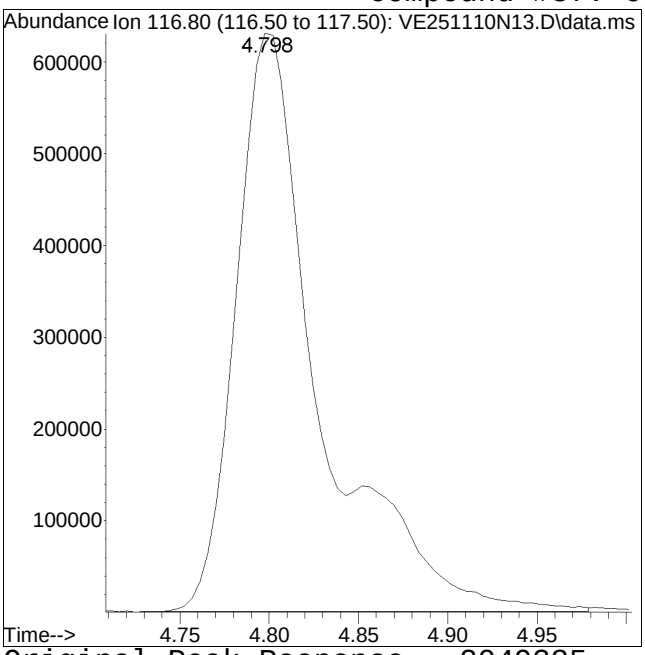
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

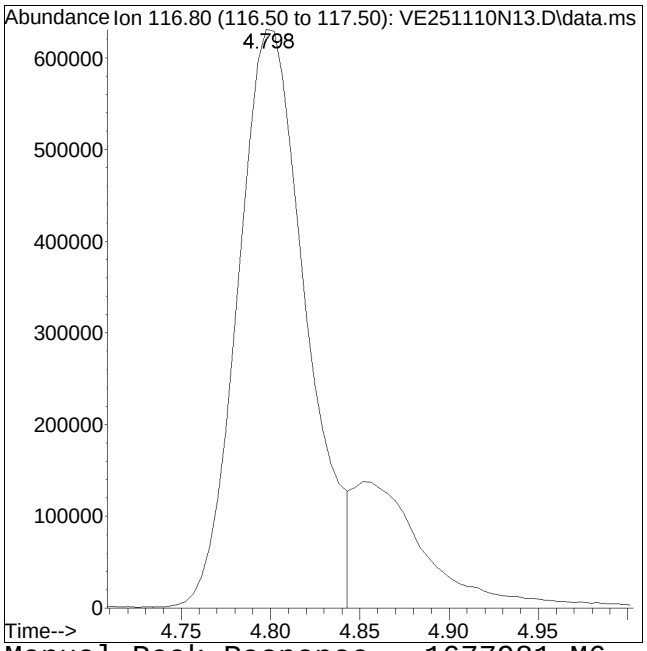
Data Path : K:\Elaine\2025\251110NICALQ
Data File : VE251110N13.D
Date Inj'd : 11/11/2025 1:18 am
Sample : I8260STD200PPB

Method : Elaine_251111N_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 11/11/2025 1:19 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 2049335



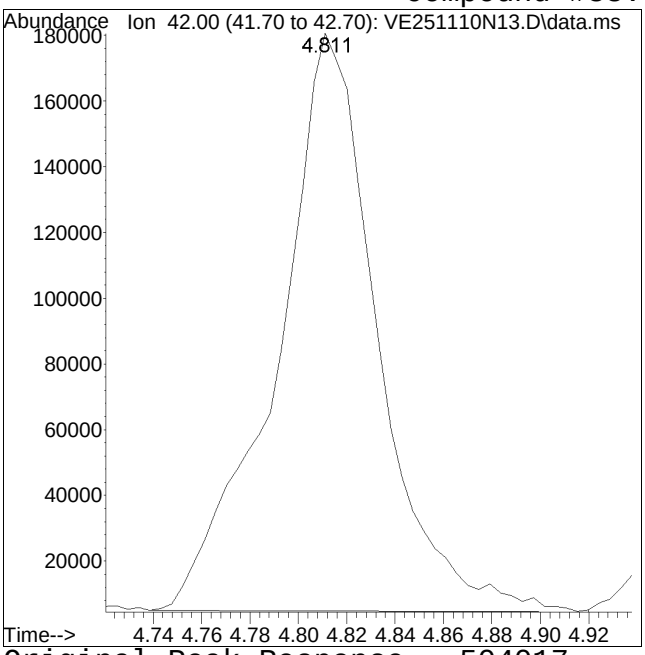
Manual Peak Response = 1677981 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

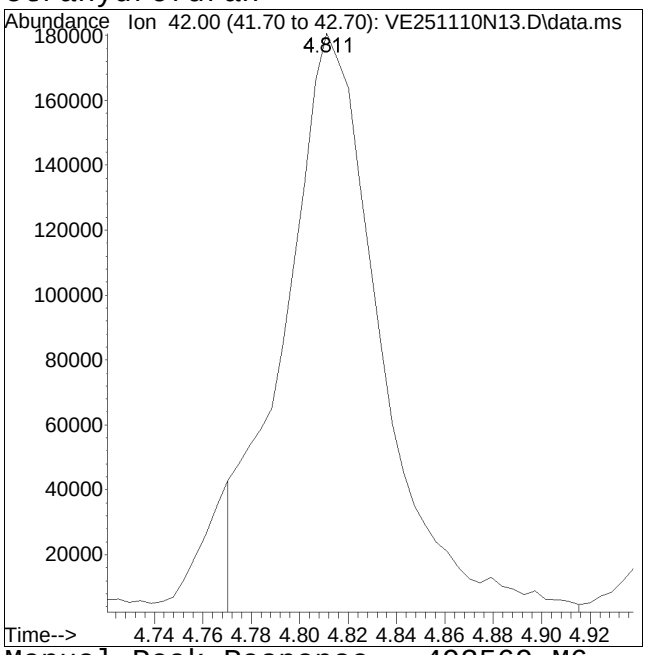
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N13.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 1:18 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 11/11/2025 1:19 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 504017



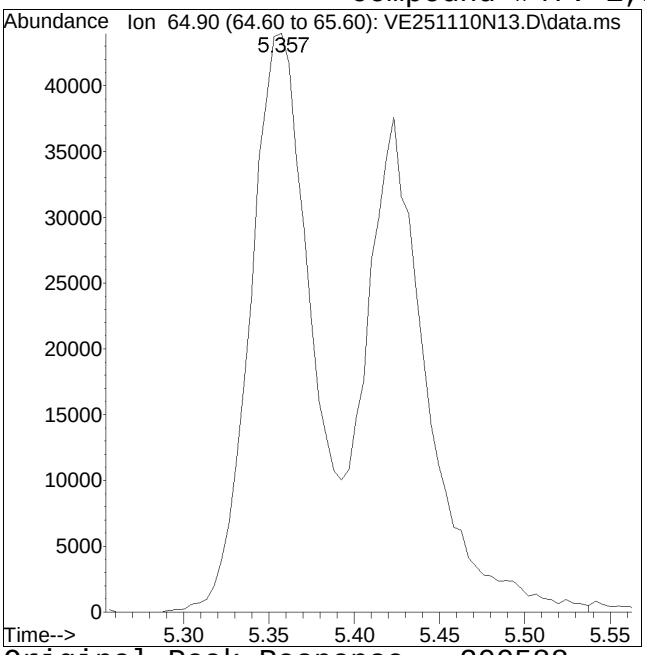
Manual Peak Response = 493569 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

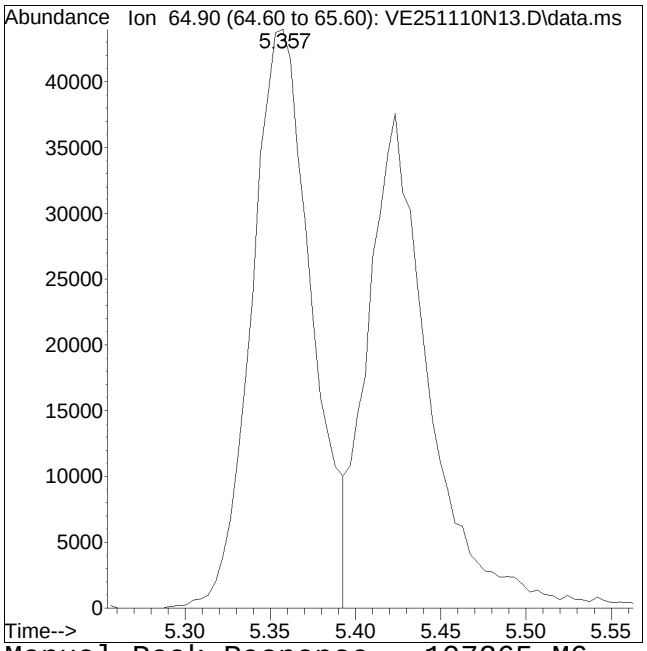
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N13.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 1:18 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 11/11/2025 1:19 pm

Compound #47: 1,2-Dichloroethane-d4



Original Peak Response = 200588



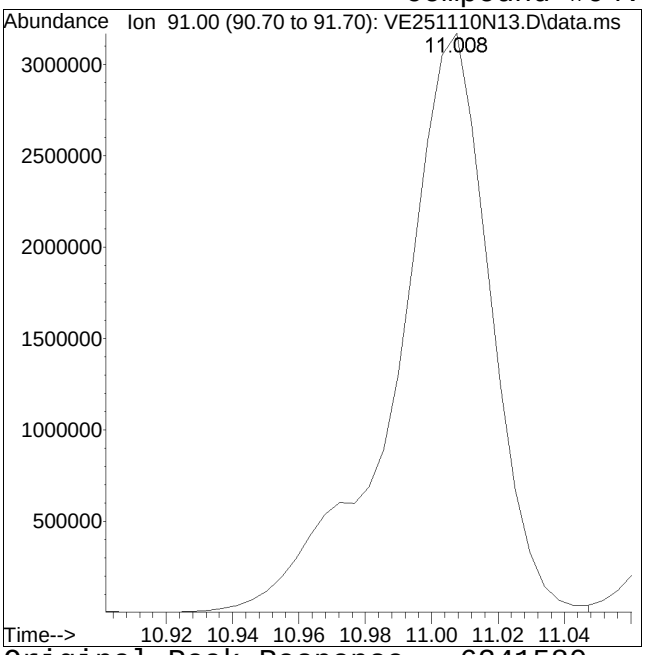
Manual Peak Response = 107265 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

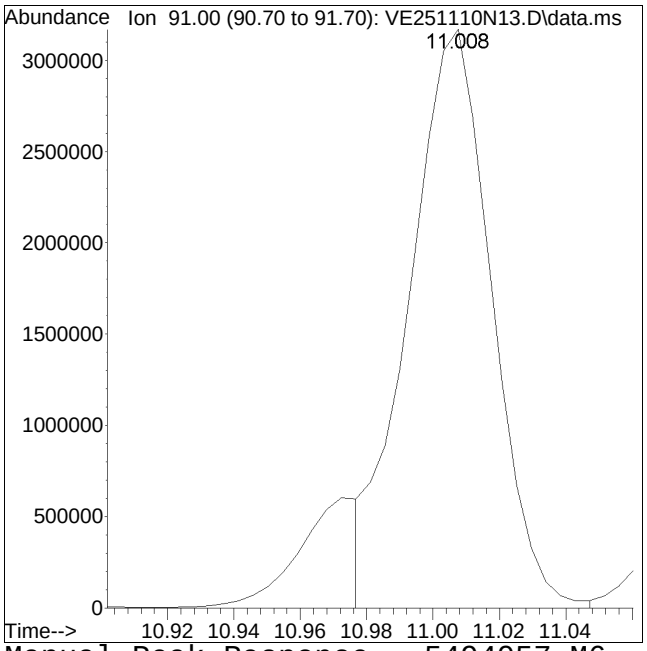
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N13.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 1:18 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 11/11/2025 1:19 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 6241580



Manual Peak Response = 5494057 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N18.D
Acq On : 11 Nov 2025 3:19 am
Operator : ELAINE:PID
Sample : C8260STD10PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 12 12:17:07 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:16:23 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene		1.000	1.000	0.0	111	0.00
2	TP	Dichlorodifluoromethane		0.328	0.295	10.1	80	0.00
3	TP	Chloromethane		0.438	0.474	-8.2	104	0.00
4	TP	Vinyl chloride		0.341	0.381	-11.7	98	0.00
5	TP	Bromomethane		0.156	0.139	10.9	104	0.00
6	TP	Chloroethane		0.222	0.261	-17.6	109	0.00
7	TP	Trichlorofluoromethane		0.404	0.439	-8.7	95	0.00
8	TP	Ethyl ether		0.132	0.129	2.3	110	0.00
10	TP	1,1-Dichloroethene		0.223	0.245	-9.9	104	0.00
11	TP	Carbon disulfide		0.755	0.778	-3.0	98	0.00
12	TP	Freon-113		0.212	0.231	-9.0	100	0.00
13	TP	Iodomethane	*	10.000	5.907	40.9#	75	0.00
14	TP	Acrolein		0.039	0.038	2.6	137	0.00
15	TP	Methylene chloride		0.271	0.277	-2.2	104	0.00
17	TP	Acetone		0.088	0.088	0.0	103	0.00
18	TP	trans-1,2-Dichloroethene		0.213	0.227	-6.6	105	0.00
19	TP	Methyl acetate		0.158	0.167	-5.7	120	0.00
21	TP	Methyl tert-butyl ether		0.495	0.433	12.5	106	0.00
22	TP	tert-Butyl alcohol		0.016	0.016	0.0	111	0.00
24	TP	Diisopropyl ether		1.055	0.996	5.6	107	0.00
25	TP	1,1-Dichloroethane		0.573	0.622	-8.6	106	0.00
26	TP	Halothane		0.152	0.156	-2.6	110	0.00
27	TP	Acrylonitrile		0.095	0.101	-6.3	124	0.00
28	TP	Ethyl tert-butyl ether	*	10.000	9.205	7.9	113	0.00
29	TP	Vinyl acetate		0.654	0.519	20.6#	106	0.00
30	TP	cis-1,2-Dichloroethene		0.256	0.253	1.2	101	0.00
31	TP	2,2-Dichloropropane		0.361	0.357	1.1	101	0.00
33	TP	Bromochloromethane		0.112	0.114	-1.8	101	0.00
34	TP	Cyclohexane		0.550	0.563	-2.4	100	0.00
35	TP	Chloroform	*	10.000	10.913	-9.1	107	0.00
36	TP	Ethyl acetate		0.229	0.228	0.4	117	0.00
37	TP	Carbon tetrachloride		0.273	0.281	-2.9	100	0.00
38	TP	Tetrahydrofuran		0.082	0.072	12.2	95	0.00
39	S	Dibromofluoromethane		0.276	0.282	-2.2	108	0.00
40	TP	1,1,1-Trichloroethane		0.345	0.360	-4.3	104	0.00
42	TP	2-Butanone		0.110	0.113	-2.7	115	0.00
43	TP	1,1-Dichloropropene		0.292	0.291	0.3	107	0.00
45	TP	Benzene		0.927	0.922	0.5	104	0.00
46	TP	tert-Amyl methyl ether		0.492	0.452	8.1	110	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N18.D
Acq On : 11 Nov 2025 3:19 am
Operator : ELAINE:PID
Sample : C8260STD10PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 12 12:17:07 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:16:23 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	S	1,2-Dichloroethane-d4	0.376	0.382	-1.6	109	0.00
48	T	1,2-Dichloroethane	0.383	0.376	1.8	110	0.00
51	TP	Methyl cyclohexane	0.378	0.348	7.9	104	0.00
52	TP	Trichloroethene	0.224	0.217	3.1	104	0.00
54	TP	Dibromomethane	0.138	0.139	-0.7	111	0.00
55	TP	1,2-Dichloropropane	0.294	0.280	4.8	107	0.00
57	TP	2-Chloroethyl vinyl ether	0.118	0.107	9.3	103	0.00
58	TP	Bromodichloromethane	0.318	0.292#	8.2	106	0.00
61	TP	1,4-Dioxane	0.00178	0.00183#	-2.8	112	0.00
62	TP	cis-1,3-Dichloropropene	0.350	0.335	4.3	107	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00
64	S	Toluene-d8	1.338	1.384	-3.4	108	0.00
65	TP	Toluene	0.742	0.750	-1.1	102	0.00
66	TP	4-Methyl-2-pentanone	0.096	0.091	5.2	109	0.00
67	TP	Tetrachloroethene	* 10.000	9.331	6.7	95	0.00
69	TP	trans-1,3-Dichloropropene	* 10.000	8.859	11.4	112	0.00
71	TP	Ethyl methacrylate	0.308	0.322	-4.5	110	0.00
72	TP	1,1,2-Trichloroethane	0.193	0.183#	5.2	108	0.00
73	TP	Chlorodibromomethane	0.259	0.256	1.2	113	0.00
74	TP	1,3-Dichloropropane	0.428	0.414	3.3	107	0.00
75	TP	1,2-Dibromoethane	0.229	0.206	10.0	104	0.00
77	TP	2-Hexanone	0.230	0.255	-10.9	123	0.00
78	TP	Chlorobenzene	0.830	0.861	-3.7	104	0.00
79	TP	Ethylbenzene	1.550	1.611	-3.9	102	0.00
80	TP	1,1,1,2-Tetrachloroethane	0.252	0.236	6.3	105	0.00
81	TP	p/m Xylene	0.605	0.608	-0.5	100	0.00
82	TP	o Xylene	0.600	0.580	3.3	99	0.00
83	TP	Styrene	1.047	0.980	6.4	102	0.00
84	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
85	TP	Bromoform	* 10.000	8.383	16.2	106	0.00
87	TP	Isopropylbenzene	2.912	2.898	0.5	99	0.00
88	S	4-Bromofluorobenzene	0.953	0.961	-0.8	105	0.00
89	TP	Bromobenzene	0.605	0.588	2.8	100	0.00
90	TP	n-Propylbenzene	3.668	3.728	-1.6	101	0.00
91	TP	1,4-Dichlorobutane	1.193	1.175	1.5	106	0.00
92	TP	1,1,2,2-Tetrachloroethane	0.549	0.523	4.7	102	0.00
93	TP	4-Ethyltoluene	2.861	2.936	-2.6	101	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N18.D
Acq On : 11 Nov 2025 3:19 am
Operator : ELAINE:PID
Sample : C8260STD10PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 12 12:17:07 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:16:23 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
94 TP	2-Chlorotoluene		2.210	2.237	-1.2	99	0.00
95 TP	1,3,5-Trimethylbenzene		2.564	2.475	3.5	99	0.00
96 TP	1,2,3-Trichloropropane		0.489	0.459	6.1	104	0.00
97 TP	trans-1,4-Dichloro-2-butene		0.247	0.236	4.5	105	0.00
98 TP	4-Chlorotoluene		2.235	2.311	-3.4	102	0.00
99 TP	tert-Butylbenzene		2.079	2.119	-1.9	100	0.00
102 TP	1,2,4-Trimethylbenzene		2.557	2.657	-3.9	105	0.00
103 TP	sec-Butylbenzene		3.183	3.189	-0.2	97	0.00
104 TP	p-Isopropyltoluene		2.668	2.667	0.0	100	0.00
105 TP	1,3-Dichlorobenzene		1.325	1.309	1.2	100	0.00
106 TP	1,4-Dichlorobenzene		1.314	1.308	0.5	102	0.00
107 TP	p-Diethylbenzene		1.577	1.507	4.4	94	0.00
108 TP	n-Butylbenzene		2.598	2.612	-0.5	98	0.00
109 TP	1,2-Dichlorobenzene		1.230	1.250	-1.6	101	0.00
110 TP	1,2,4,5-Tetramethylbenzene		2.667	2.500	6.3	99	0.00
111 TP	1,2-Dibromo-3-chloropropane	*	10.000	10.634	-6.3	111	0.00
112 TP	1,3,5-Trichlorobenzene		0.808	0.808	0.0	101	0.00
113 TP	Hexachlorobutadiene	*	10.000	9.737	2.6	99	0.00
114 TP	1,2,4-Trichlorobenzene		0.666	0.665	0.2	102	0.00
115 TP	Naphthalene		1.660	1.675	-0.9	105	0.00
116 TP	1,2,3-Trichlorobenzene		0.581	0.575	1.0	105	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N18.D
Acq On : 11 Nov 2025 3:19 am
Operator : ELAINE:PID
Sample : C8260STD10PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 12 12:17:07 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:16:23 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.634	96	215765	10.000	ug/L	0.00
Standard Area 1 = 194422			Recovery = 110.98%			
63) Chlorobenzene-d5	9.131	117	163912	10.000	ug/L	0.00
Standard Area 1 = 153144			Recovery = 107.03%			
84) 1,4-Dichlorobenzene-d4	11.911	152	89542	10.000	ug/L	0.00
Standard Area 1 = 86422			Recovery = 103.61%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.843	113	60763	10.218	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.18%			
47) 1,2-Dichloroethane-d4	5.353	65	82526	10.186	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.86%			
64) Toluene-d8	7.301	98	226862	10.342	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.42%			
88) 4-Bromofluorobenzene	10.668	95	86079	10.085	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.85%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.468	85	63544	8.986	ug/L	100
3) Chloromethane	1.640	50	102285	10.816	ug/L	95
4) Vinyl chloride	1.708	62	82222	11.166	ug/L	98
5) Bromomethane	1.984	94	29940	8.887	ug/L	93
6) Chloroethane	2.089	64	56399	11.759	ug/L	98
7) Trichlorofluoromethane	2.215	101	94688	10.871	ug/L	97
8) Ethyl ether	2.496	74	27850	9.777	ug/L	91
10) 1,1-Dichloroethene	2.677	96	52768	10.966	ug/L	94
11) Carbon disulfide	2.705	76	167787	10.303	ug/L	98
12) Freon-113	2.714	101	49939	10.938	ug/L	98
13) Iodomethane	2.804	142	17446	5.907	ug/L	90
14) Acrolein	2.976	56	8242	9.911	ug/L	94
15) Methylene chloride	3.203	84	59668	10.191	ug/L	97
17) Acetone	3.239	43	18907	9.988	ug/L #	90
18) trans-1,2-Dichloroethene	3.343	96	49058	10.680	ug/L	96
19) Methyl acetate	3.352	43	36114M6	10.618	ug/L	
21) Methyl tert-butyl ether	3.438	73	93504	8.758	ug/L #	100
22) tert-Butyl alcohol	3.534	59	17704	50.706	ug/L #	100
24) Diisopropyl ether	3.787	45	214918	9.441	ug/L	98
25) 1,1-Dichloroethane	3.905	63	134114	10.840	ug/L	98
26) Halothane	3.964	117	33604	10.226	ug/L	97

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N18.D
Acq On : 11 Nov 2025 3:19 am
Operator : ELAINE:PID
Sample : C8260STD10PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 12 12:17:07 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:16:23 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.950	53	21722	10.594	ug/L		97
28) Ethyl tert-butyl ether	4.122	59	148886	9.205	ug/L		96
29) Vinyl acetate	4.132	43	111905	7.935	ug/L		99
30) cis-1,2-Dichloroethene	4.408	96	54552	9.895	ug/L		96
31) 2,2-Dichloropropane	4.512	77	77120	9.898	ug/L		94
33) Bromochloromethane	4.594	128	24543	10.141	ug/L		98
34) Cyclohexane	4.598	56	121535	10.247	ug/L		100
35) Chloroform	4.671	83	107275	10.913	ug/L		97
36) Ethyl acetate	4.775	43	49218	9.960	ug/L		99
37) Carbon tetrachloride	4.797	117	60650M6	10.287	ug/L		
38) Tetrahydrofuran	4.811	42	15446M6	8.709	ug/L		
40) 1,1,1-Trichloroethane	4.865	97	77777	10.440	ug/L		99
42) 2-Butanone	4.952	43	24370	10.265	ug/L		95
43) 1,1-Dichloropropene	4.979	75	62852	9.970	ug/L		99
45) Benzene	5.221	78	198940	9.946	ug/L		99
46) tert-Amyl methyl ether	5.331	73	97443	9.182	ug/L		97
48) 1,2-Dichloroethane	5.423	62	81103	9.806	ug/L		98
51) Methyl cyclohexane	5.796	83	75007	9.196	ug/L		92
52) Trichloroethene	5.814	95	46857	9.713	ug/L		98
54) Dibromomethane	6.244	93	30044	10.106	ug/L		96
55) 1,2-Dichloropropane	6.336	63	60506	9.546	ug/L		97
57) 2-Chloroethyl vinyl ether	7.038	63	22979	8.995	ug/L		97
58) Bromodichloromethane	6.419	83	62969	9.171	ug/L		96
61) 1,4-Dioxane	6.621	88	19761	515.206	ug/L		96
62) cis-1,3-Dichloropropene	7.099	75	72253	9.575	ug/L		99
65) Toluene	7.363	92	122982	10.113	ug/L		97
66) 4-Methyl-2-pentanone	7.797	58	14947	9.505	ug/L		90
67) Tetrachloroethene	7.801	166	40395	9.331	ug/L		93
69) trans-1,3-Dichloropropene	7.845	75	64475	8.859	ug/L		99
71) Ethyl methacrylate	8.038	69	52711	10.437	ug/L		97
72) 1,1,2-Trichloroethane	8.025	83	30067	9.512	ug/L		98
73) Chlorodibromomethane	8.232	129	41913	9.855	ug/L		97
74) 1,3-Dichloropropane	8.350	76	67877	9.671	ug/L		99
75) 1,2-Dibromoethane	8.504	107	33835	9.027	ug/L		95
77) 2-Hexanone	8.798	43	41842	11.110	ug/L	#	92
78) Chlorobenzene	9.153	112	141195	10.379	ug/L		98
79) Ethylbenzene	9.192	91	264081	10.396	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.236	131	38671	9.379	ug/L		97
81) p/m Xylene	9.381	106	199269	20.085	ug/L		97
82) o Xylene	9.925	106	190156	19.340	ug/L		100

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N18.D
Acq On : 11 Nov 2025 3:19 am
Operator : ELAINE:PID
Sample : C8260STD10PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 12 12:17:07 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:16:23 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251110NICAL\VE251110N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Styrene	9.995	104	321155	18.705	ug/L	98
85) Bromoform	10.026	173	21556	8.383	ug/L	99
87) Isopropylbenzene	10.325	105	259483	9.952	ug/L	98
89) Bromobenzene	10.774	156	52665	9.725	ug/L	100
90) n-Propylbenzene	10.831	91	333854	10.164	ug/L	100
91) 1,4-Dichlorobutane	10.845	55	105172	9.842	ug/L	98
92) 1,1,2,2-Tetrachloroethane	10.928	83	46826	9.518	ug/L	92
93) 4-Ethyltoluene	10.963	105	262875	10.261	ug/L	99
94) 2-Chlorotoluene	11.003	91	200324M6	10.122	ug/L	
95) 1,3,5-Trimethylbenzene	11.069	105	221582	9.652	ug/L	99
96) 1,2,3-Trichloropropane	11.065	75	41127	9.399	ug/L	95
97) trans-1,4-Dichloro-2-b...	11.122	53	21142	9.546	ug/L	96
98) 4-Chlorotoluene	11.188	91	206919	10.337	ug/L	99
99) tert-Butylbenzene	11.417	119	189702	10.191	ug/L	99
102) 1,2,4-Trimethylbenzene	11.497	105	237871	10.389	ug/L	99
103) sec-Butylbenzene	11.607	105	285564	10.018	ug/L	100
104) p-Isopropyltoluene	11.774	119	238821	9.998	ug/L	98
105) 1,3-Dichlorobenzene	11.831	146	117227	9.883	ug/L	99
106) 1,4-Dichlorobenzene	11.928	146	117146	9.959	ug/L	99
107) p-Diethylbenzene	12.153	119	134933	9.553	ug/L	99
108) n-Butylbenzene	12.210	91	233891	10.055	ug/L	99
109) 1,2-Dichlorobenzene	12.356	146	111922	10.159	ug/L	97
110) 1,2,4,5-Tetramethylben...	12.955	119	223819	9.372	ug/L	99
111) 1,2-Dibromo-3-chloropr...	13.149	155	7587	10.634	ug/L	92
112) 1,3,5-Trichlorobenzene	13.175	180	72321	9.996	ug/L	98
113) Hexachlorobutadiene	13.757	225	18040	9.737	ug/L	95
114) 1,2,4-Trichlorobenzene	13.779	180	59508	9.976	ug/L	99
115) Naphthalene	14.069	128	149947	10.086	ug/L	100
116) 1,2,3-Trichlorobenzene	14.241	180	51512	9.900	ug/L	95

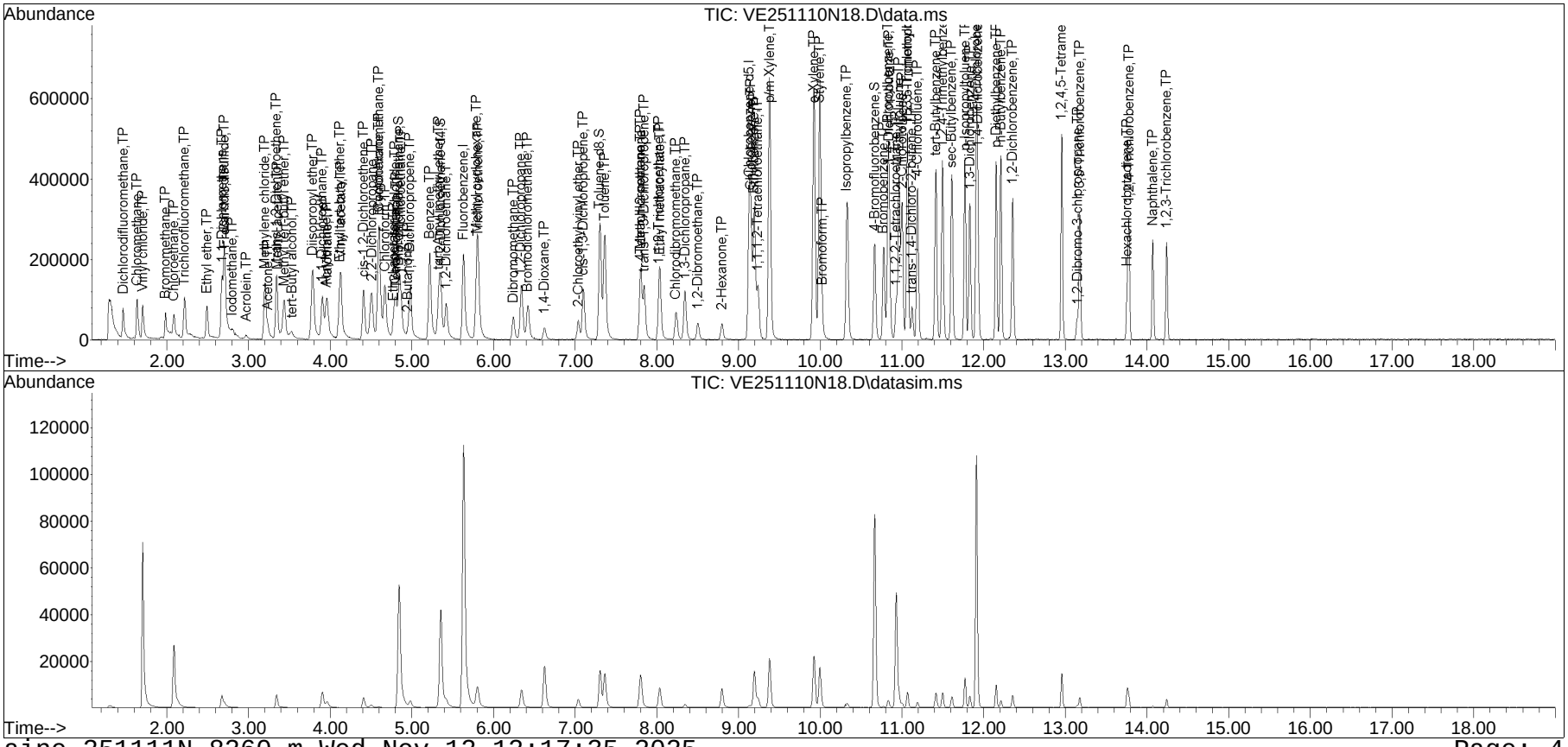
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251110NICAL\
Data File : VE251110N18.D
Acq On : 11 Nov 2025 3:19 am
Operator : ELAINE:PID
Sample : C8260STD10PPB
Misc : WG2140152,ICAL (Sig #1); WG,ICAL22753 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 12 12:17:07 2025
Quant Method : K:\Elaine\2025\251110NICAL\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:16:23 2025
Response via : Initial Calibration

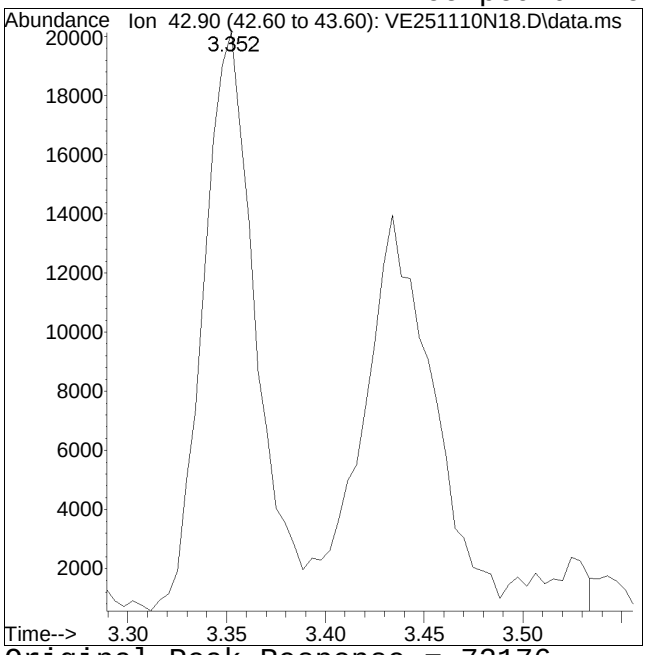
Sub List : 8260-Curve - Megamix plus Diox\VE251110N09.D•



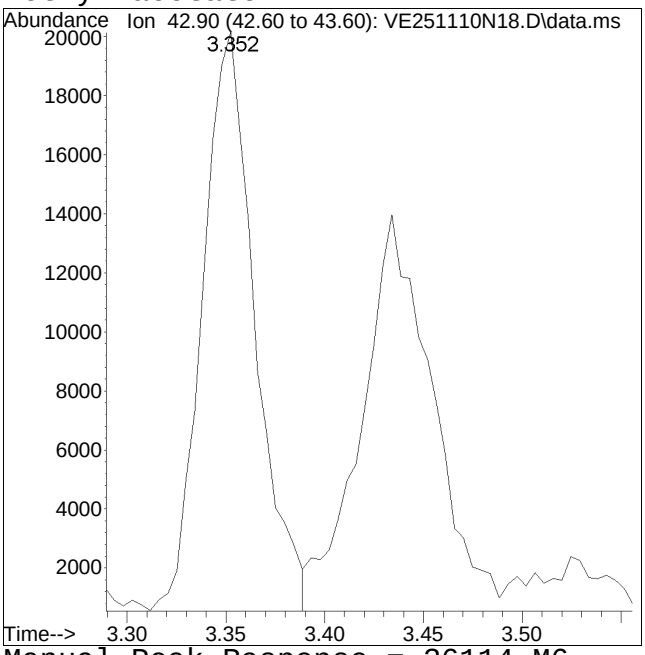
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N18.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 3:19 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 11/12/2025 12:16 pm

Compound #19: Methyl acetate



Original Peak Response = 72176



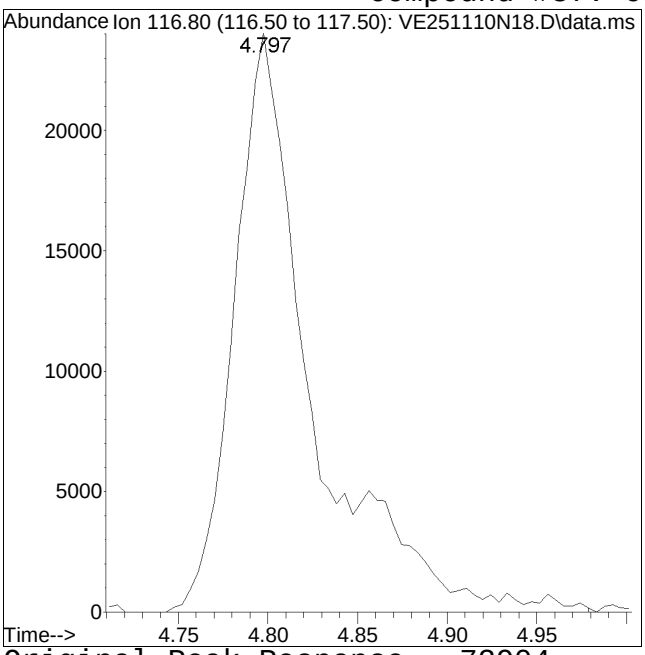
Manual Peak Response = 36114 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

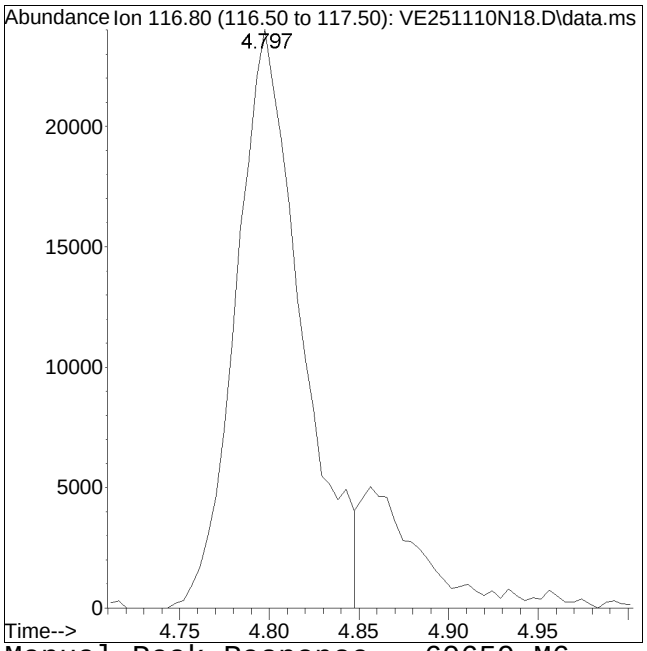
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N18.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 3:19 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 11/12/2025 12:16 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 72904



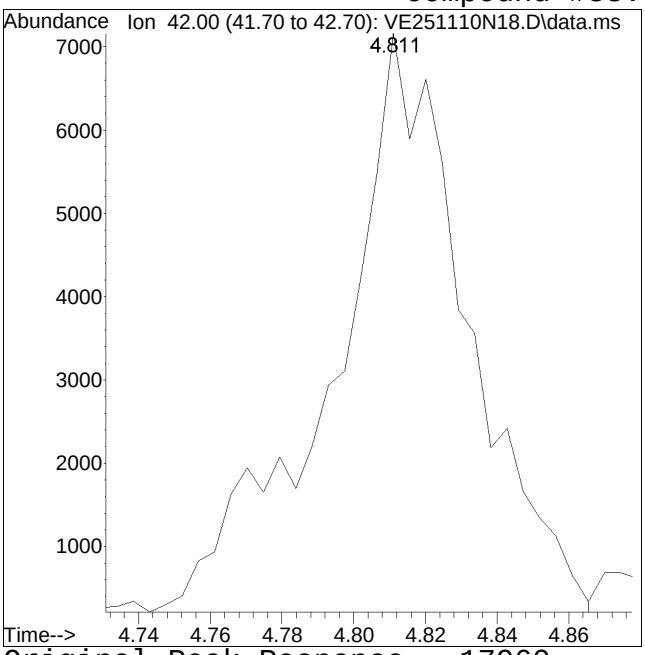
Manual Peak Response = 60650 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

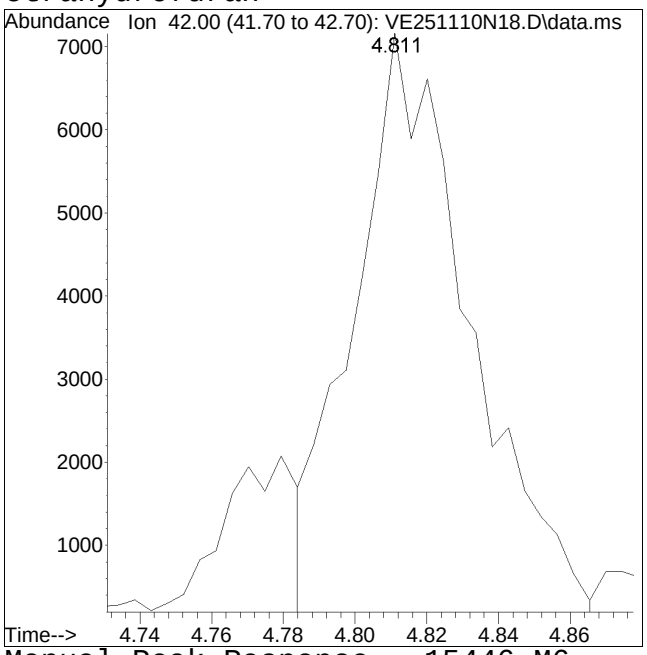
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N18.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 3:19 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 11/12/2025 12:16 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 17960



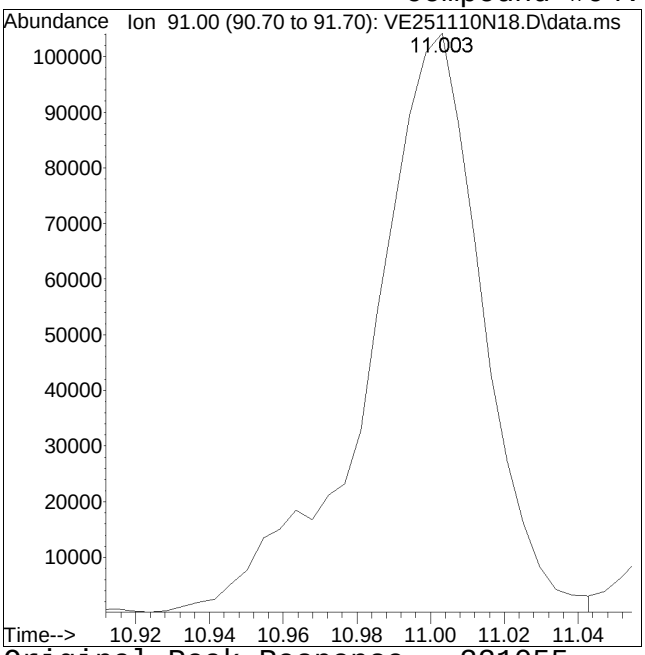
Manual Peak Response = 15446 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

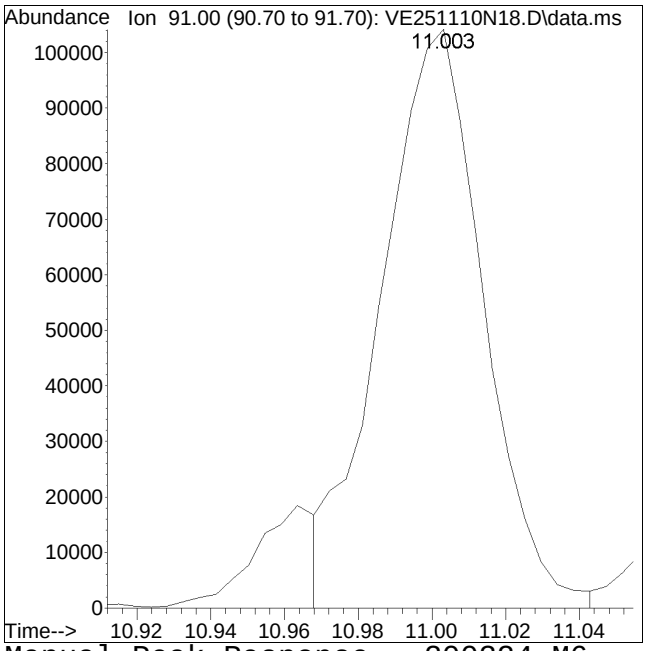
Manual Integration Report

Data Path : K:\Elaine\2025\251110NICALQMethod : Elaine_251111N_8260.m
Data File : VE251110N18.D Operator : ELAINE:PID
Date Inj'd : 11/11/2025 3:19 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 11/12/2025 12:16 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 221055



Manual Peak Response = 200324 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Relative Error Report Elaine

Method Path : K:\Elaine\2025\251110NICAL\
Method File : Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Nov 12 12:15:18 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
13	TP Iodomethane	Q	ug/L	10.0	8.140	-18.6	2.00	2.440	22.0
28	TP Ethyl tert-butyl ether	Q	ug/L	10.0	9.026	-9.7	0.50	0.594	18.8
35	TP Chloroform	L	ug/L	10.0	11.298	13.0	0.50	0.375	-25.0
67	TP Tetrachloroethene	L	ug/L	10.0	10.450	4.5	0.19	0.204	7.4
69	TP trans-1,3-Dichloropropene	Q	ug/L	10.0	8.510	-14.9	0.19	0.236	24.2
85	TP Bromoform	Q	ug/L	10.0	8.191	-18.1	0.50	0.611	22.2
111	TP 1,2-Dibromo-3-chloropropane	L	ug/L	10.0	9.930	-0.7	0.50	0.525	5.0
113	TP Hexachlorobutadiene	L	ug/L	10.0	10.223	2.2	0.50	0.500	0.0

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
13	TP Iodomethane	Quadratic	0.997577	0.000850	0.176102	-0.0234718
28	TP Ethyl tert-butyl ether	Quadratic	0.999336	0.005883	0.767805	-0.0217356
35	TP Chloroform	Linear	0.998741	0.000000	0.430953	0.0268879
67	TP Tetrachloroethene	Linear	0.998706	0.000000	0.267191	-0.00288063
69	TP trans-1,3-Dichloropropene	Quadratic	0.998746	0.001027	0.451202	-0.00715902
85	TP Bromoform	Quadratic	0.998183	0.002586	0.296213	-0.0094106
111	TP 1,2-Dibromo-3-chloropropane	Linear	0.999188	0.000000	0.082117	-0.00258921
113	TP Hexachlorobutadiene	Linear	0.997663	0.000000	0.212099	-0.00504471

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144		
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000		
Instrument ID	: ELAINE	**Calibration Date**	: 12/04/25 07:24		
Lab File ID	: VE251204A01	**Init. Calib. Date(s)**	: 11/10/25	11/11/25	
Sample No	: WG2149663-2	**Init. Calib. Times**	: 21:41	01:18	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	118	0
Dichlorodifluoromethane	0.328	0.37	-	-12.8	20	106	0
Chloromethane	0.438	0.463	-	-5.7	20	108	0
Vinyl chloride	0.341	0.398	-	-16.7	20	109	0
Bromomethane	0.156	0.169	-	-8.3	20	134	0
Chloroethane	0.222	0.248	-	-11.7	20	109	0
Trichlorofluoromethane	0.404	0.384	-	5	20	88	0
Ethyl ether	0.132	0.11	-	16.7	20	100	0
1,1-Dichloroethene	0.223	0.215	-	3.6	20	97	0
Carbon disulfide	0.755	0.727	-	3.7	20	97	0
Freon-113	0.212	0.23	-	-8.5	20	106	0
Acrolein	0.039	0.031	-	20.5*	20	116	-.01
Methylene chloride	0.271	0.287	-	-5.9	20	115	0
Acetone	0.088	0.084	-	4.5	20	104	0
trans-1,2-Dichloroethene	0.213	0.22	-	-3.3	20	108	0
Methyl acetate	0.158	0.155	-	1.9	20	117	0
Methyl tert-butyl ether	0.495	0.419	-	15.4	20	109	0
tert-Butyl alcohol	0.016	0.017	-	-6.3	20	118	0
Diisopropyl ether	1.055	1.081	-	-2.5	20	124	-.01
1,1-Dichloroethane	0.573	0.553	-	3.5	20	100	-.01
Halothane	0.152	0.152	-	0	20	113	0
Acrylonitrile	0.095	0.09	-	5.3	20	116	0
Ethyl tert-butyl ether	10	9.376	-	6.2	20	122	0
Vinyl acetate	0.654	0.634	-	3.1	20	137	0
cis-1,2-Dichloroethene	0.256	0.256	-	0	20	108	0
2,2-Dichloropropane	0.361	0.419	-	-16.1	20	125	0
Bromochloromethane	0.112	0.125	-	-11.6	20	118	-.01
Cyclohexane	0.55	0.595	-	-8.2	20	112	0
Chloroform	10	9.561	-	4.4	20	100	0
Ethyl acetate	0.229	0.22	-	3.9	20	120	0
Carbon tetrachloride	0.273	0.303	-	-11	20	114	0
Tetrahydrofuran	0.082	0.074	-	9.8	20	104	0
Dibromofluoromethane	0.276	0.268	-	2.9	20	109	0
1,1,1-Trichloroethane	0.345	0.359	-	-4.1	20	109	0
2-Butanone	0.11	0.08	-	27.3*	20	86	0
1,1-Dichloropropene	0.292	0.304	-	-4.1	20	118	0
Benzene	0.927	0.959	-	-3.5	20	114	-.01
tert-Amyl methyl ether	0.492	0.459	-	6.7	20	118	0
1,2-Dichloroethane-d4	0.376	0.326	-	13.3	20	98	0
1,2-Dichloroethane	0.383	0.376	-	1.8	20	116	-.01
Methyl cyclohexane	0.378	0.395	-	-4.5	20	125	0
Trichloroethene	0.224	0.218	-	2.7	20	111	0
Dibromomethane	0.138	0.134	-	2.9	20	113	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144		
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000		
Instrument ID	: ELAINE	Calibration Date	: 12/04/25 07:24		
Lab File ID	: VE251204A01	Init. Calib. Date(s)	: 11/10/25	11/11/25	
Sample No	: WG2149663-2	Init. Calib. Times	: 21:41	01:18	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.294	0.279	-	5.1	20	113	0
Bromodichloromethane	0.318	0.321	-	-0.9	20	123	-.01
1,4-Dioxane	0.00178	0.00179*	-	-0.6	20	116	0
cis-1,3-Dichloropropene	0.35	0.349	-	0.3	20	118	0
Chlorobenzene-d5	1	1	-	0	20	119	0
Toluene-d8	1.338	1.321	-	1.3	20	115	0
Toluene	0.742	0.781	-	-5.3	20	118	0
4-Methyl-2-pentanone	0.096	0.084	-	12.5	20	111	0
Tetrachloroethene	10	10.461	-	-4.6	20	119	0
trans-1,3-Dichloropropene	10	8.575	-	14.3	20	120	-.01
Ethyl methacrylate	0.308	0.288	-	6.5	20	110	0
1,1,2-Trichloroethane	0.193	0.185*	-	4.1	20	121	0
Chlorodibromomethane	0.259	0.232	-	10.4	20	113	0
1,3-Dichloropropane	0.428	0.39	-	8.9	20	112	0
1,2-Dibromoethane	0.229	0.2	-	12.7	20	112	-.01
2-Hexanone	0.23	0.195	-	15.2	20	104	0
Chlorobenzene	0.83	0.871	-	-4.9	20	117	0
Ethylbenzene	1.55	1.64	-	-5.8	20	115	0
1,1,1,2-Tetrachloroethane	0.252	0.247	-	2	20	122	0
p/m Xylene	0.605	0.636	-	-5.1	20	116	0
o Xylene	0.6	0.62	-	-3.3	20	118	0
Styrene	1.047	1.015	-	3.1	20	117	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	114	0
Bromoform	10	8.18	-	18.2	20	113	0
Isopropylbenzene	2.912	3.061	-	-5.1	20	115	0
4-Bromofluorobenzene	0.953	0.931	-	2.3	20	111	0
Bromobenzene	0.605	0.62	-	-2.5	20	116	0
n-Propylbenzene	3.668	3.961	-	-8	20	117	0
1,4-Dichlorobutane	1.193	1.156	-	3.1	20	115	0
1,1,2,2-Tetrachloroethane	0.549	0.521	-	5.1	20	112	0
4-Ethyltoluene	2.861	3.131	-	-9.4	20	118	0
2-Chlorotoluene	2.21	2.302	-	-4.2	20	112	0
1,3,5-Trimethylbenzene	2.564	2.667	-	-4	20	117	0
1,2,3-Trichloropropane	0.489	0.458	-	6.3	20	114	0
trans-1,4-Dichloro-2-buten	0.247	0.226	-	8.5	20	110	0
4-Chlorotoluene	2.235	2.397	-	-7.2	20	116	0
tert-Butylbenzene	2.079	2.258	-	-8.6	20	117	0
1,2,4-Trimethylbenzene	2.557	2.702	-	-5.7	20	118	0
sec-Butylbenzene	3.183	3.461	-	-8.7	20	116	0
p-Isopropyltoluene	2.668	2.844	-	-6.6	20	117	0
1,3-Dichlorobenzene	1.325	1.41	-	-6.4	20	118	0
1,4-Dichlorobenzene	1.314	1.359	-	-3.4	20	116	0
p-Diethylbenzene	1.577	1.688	-	-7	20	116	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144		
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000		
Instrument ID	: ELAINE	**Calibration Date**	: 12/04/25 07:24		
Lab File ID	: VE251204A01	**Init. Calib. Date(s)**	: 11/10/25	11/11/25	
Sample No	: WG2149663-2	**Init. Calib. Times**	: 21:41	01:18	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	2.598	2.809	-	-8.1	20	115	0
1,2-Dichlorobenzene	1.23	1.275	-	-3.7	20	113	0
1,2,4,5-Tetramethylbenzene	2.667	2.586	-	3	20	113	0
1,2-Dibromo-3-chloropropan	10	8.389	-	16.1	20	95	0
1,3,5-Trichlorobenzene	0.808	0.876	-	-8.4	20	120	0
Hexachlorobutadiene	10	12.074	-	-20.7*	20	135	0
1,2,4-Trichlorobenzene	0.666	0.703	-	-5.6	20	118	0
Naphthalene	1.66	1.505	-	9.3	20	104	0
1,2,3-Trichlorobenzene	0.581	0.581	-	0	20	116	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A01.D
Acq On : 4 Dec 2025 7:24 am
Operator : ELAINE:PID
Sample : WG2149663-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 04 07:57:17 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene		1.000	1.000	0.0	118	0.00
2	TP	Dichlorodifluoromethane		0.328	0.370	-12.8	106	0.00
3	TP	Chloromethane		0.438	0.463	-5.7	108	0.00
4	TP	Vinyl chloride		0.341	0.398	-16.7	109	0.00
5	TP	Bromomethane		0.156	0.169	-8.3	134	0.00
6	TP	Chloroethane		0.222	0.248	-11.7	109	0.00
7	TP	Trichlorofluoromethane		0.404	0.384	5.0	88	0.00
8	TP	Ethyl ether		0.132	0.110	16.7	100	0.00
10	TP	1,1-Dichloroethene		0.223	0.215	3.6	97	0.00
11	TP	Carbon disulfide		0.755	0.727	3.7	97	0.00
12	TP	Freon-113		0.212	0.230	-8.5	106	0.00
14	TP	Acrolein		0.039	0.031	20.5#	116	-0.01
15	TP	Methylene chloride		0.271	0.287	-5.9	115	0.00
17	TP	Acetone		0.088	0.084	4.5	104	0.00
18	TP	trans-1,2-Dichloroethene		0.213	0.220	-3.3	108	0.00
19	TP	Methyl acetate		0.158	0.155	1.9	117	0.00
21	TP	Methyl tert-butyl ether		0.495	0.419	15.4	109	0.00
22	TP	tert-Butyl alcohol		0.016	0.017	-6.3	118	0.00
24	TP	Diisopropyl ether		1.055	1.081	-2.5	124	-0.01
25	TP	1,1-Dichloroethane		0.573	0.553	3.5	100	-0.01
26	TP	Halothane		0.152	0.152	0.0	113	0.00
27	TP	Acrylonitrile		0.095	0.090	5.3	116	0.00
28	TP	Ethyl tert-butyl ether	*	10.000	9.376	6.2	122	0.00
29	TP	Vinyl acetate		0.654	0.634	3.1	137	0.00
30	TP	cis-1,2-Dichloroethene		0.256	0.256	0.0	108	0.00
31	TP	2,2-Dichloropropane		0.361	0.419	-16.1	125	0.00
33	TP	Bromochloromethane		0.112	0.125	-11.6	118	-0.01
34	TP	Cyclohexane		0.550	0.595	-8.2	112	0.00
35	TP	Chloroform	*	10.000	9.561	4.4	100	0.00
36	TP	Ethyl acetate		0.229	0.220	3.9	120	0.00
37	TP	Carbon tetrachloride		0.273	0.303	-11.0	114	0.00
38	TP	Tetrahydrofuran		0.082	0.074	9.8	104	0.00
39	S	Dibromofluoromethane		0.276	0.268	2.9	109	0.00
40	TP	1,1,1-Trichloroethane		0.345	0.359	-4.1	109	0.00
42	TP	2-Butanone		0.110	0.080	27.3#	86	0.00
43	TP	1,1-Dichloropropene		0.292	0.304	-4.1	118	0.00
45	TP	Benzene		0.927	0.959	-3.5	114	-0.01
46	TP	tert-Amyl methyl ether		0.492	0.459	6.7	118	0.00
47	S	1,2-Dichloroethane-d4		0.376	0.326	13.3	98	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A01.D
Acq On : 4 Dec 2025 7:24 am
Operator : ELAINE:PID
Sample : WG2149663-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 04 07:57:17 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	T	1,2-Dichloroethane	0.383	0.376	1.8	116	-0.01
51	TP	Methyl cyclohexane	0.378	0.395	-4.5	125	0.00
52	TP	Trichloroethene	0.224	0.218	2.7	111	0.00
54	TP	Dibromomethane	0.138	0.134	2.9	113	0.00
55	TP	1,2-Dichloropropane	0.294	0.279	5.1	113	0.00
58	TP	Bromodichloromethane	0.318	0.321	-0.9	123	-0.01
61	TP	1,4-Dioxane	0.00178	0.00179#	-0.6	116	0.00
62	TP	cis-1,3-Dichloropropene	0.350	0.349	0.3	118	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	119	0.00
64	S	Toluene-d8	1.338	1.321	1.3	115	0.00
65	TP	Toluene	0.742	0.781	-5.3	118	0.00
66	TP	4-Methyl-2-pentanone	0.096	0.084	12.5	111	0.00
67	TP	Tetrachloroethene	* 10.000	10.461	-4.6	119	0.00
69	TP	trans-1,3-Dichloropropene	* 10.000	8.575	14.3	120	-0.01
71	TP	Ethyl methacrylate	0.308	0.288	6.5	110	0.00
72	TP	1,1,2-Trichloroethane	0.193	0.185#	4.1	121	0.00
73	TP	Chlorodibromomethane	0.259	0.232	10.4	113	0.00
74	TP	1,3-Dichloropropane	0.428	0.390	8.9	112	0.00
75	TP	1,2-Dibromoethane	0.229	0.200	12.7	112	-0.01
77	TP	2-Hexanone	0.230	0.195	15.2	104	0.00
78	TP	Chlorobenzene	0.830	0.871	-4.9	117	0.00
79	TP	Ethylbenzene	1.550	1.640	-5.8	115	0.00
80	TP	1,1,1,2-Tetrachloroethane	0.252	0.247	2.0	122	0.00
81	TP	p/m Xylene	0.605	0.636	-5.1	116	0.00
82	TP	o Xylene	0.600	0.620	-3.3	118	0.00
83	TP	Styrene	1.047	1.015	3.1	117	0.00
84	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	114	0.00
85	TP	Bromoform	* 10.000	8.180	18.2	113	0.00
87	TP	Isopropylbenzene	2.912	3.061	-5.1	115	0.00
88	S	4-Bromofluorobenzene	0.953	0.931	2.3	111	0.00
89	TP	Bromobenzene	0.605	0.620	-2.5	116	0.00
90	TP	n-Propylbenzene	3.668	3.961	-8.0	117	0.00
91	TP	1,4-Dichlorobutane	1.193	1.156	3.1	115	0.00
92	TP	1,1,2,2-Tetrachloroethane	0.549	0.521	5.1	112	0.00
93	TP	4-Ethyltoluene	2.861	3.131	-9.4	118	0.00
94	TP	2-Chlorotoluene	2.210	2.302	-4.2	112	0.00
95	TP	1,3,5-Trimethylbenzene	2.564	2.667	-4.0	117	0.00

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A01.D
Acq On : 4 Dec 2025 7:24 am
Operator : ELAINE:PID
Sample : WG2149663-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 04 07:57:17 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
96 TP	1,2,3-Trichloropropane		0.489	0.458	6.3	114	0.00
97 TP	trans-1,4-Dichloro-2-butene		0.247	0.226	8.5	110	0.00
98 TP	4-Chlorotoluene		2.235	2.397	-7.2	116	0.00
99 TP	tert-Butylbenzene		2.079	2.258	-8.6	117	0.00
102 TP	1,2,4-Trimethylbenzene		2.557	2.702	-5.7	118	0.00
103 TP	sec-Butylbenzene		3.183	3.461	-8.7	116	0.00
104 TP	p-Isopropyltoluene		2.668	2.844	-6.6	117	0.00
105 TP	1,3-Dichlorobenzene		1.325	1.410	-6.4	118	0.00
106 TP	1,4-Dichlorobenzene		1.314	1.359	-3.4	116	0.00
107 TP	p-Diethylbenzene		1.577	1.688	-7.0	116	0.00
108 TP	n-Butylbenzene		2.598	2.809	-8.1	115	0.00
109 TP	1,2-Dichlorobenzene		1.230	1.275	-3.7	113	0.00
110 TP	1,2,4,5-Tetramethylbenzene		2.667	2.586	3.0	113	0.00
111 TP	1,2-Dibromo-3-chloropropane	*	10.000	8.389	16.1	95	0.00
112 TP	1,3,5-Trichlorobenzene		0.808	0.876	-8.4	120	0.00
113 TP	Hexachlorobutadiene	*	10.000	12.074	-20.7#	135	0.00
114 TP	1,2,4-Trichlorobenzene		0.666	0.703	-5.6	118	0.00
115 TP	Naphthalene		1.660	1.505	9.3	104	0.00
116 TP	1,2,3-Trichlorobenzene		0.581	0.581	0.0	116	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A01.D
Acq On : 4 Dec 2025 7:24 am
Operator : ELAINE:PID
Sample : WG2149663-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 04 07:57:17 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.625	96	228604	10.000 ug/L	0.00
63) Chlorobenzene-d5	9.126	117	181694	10.000 ug/L	0.00
84) 1,4-Dichlorobenzene-d4	11.910	152	98206	10.000 ug/L	0.00
System Monitoring Compounds					
39) Dibromofluoromethane	4.838	113	61262	9.723 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.23%		
47) 1,2-Dichloroethane-d4	5.353	65	74584	8.688 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.88%		
64) Toluene-d8	7.301	98	240060	9.873 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.73%		
88) 4-Bromofluorobenzene	10.664	95	91387	9.762 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.62%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.468	85	84525	11.282 ug/L	98
3) Chloromethane	1.640	50	105898	10.569 ug/L	96
4) Vinyl chloride	1.703	62	90993	11.663 ug/L	98
5) Bromomethane	1.984	94	38557	10.802 ug/L	98
6) Chloroethane	2.084	64	56732	11.164 ug/L	91
7) Trichlorofluoromethane	2.220	101	87786	9.512 ug/L	95
8) Ethyl ether	2.491	74	25163	8.338 ug/L	95
10) 1,1-Dichloroethene	2.673	96	49231	9.656 ug/L	98
11) Carbon disulfide	2.700	76	166124	9.628 ug/L	100
12) Freon-113	2.704	101	52655	10.885 ug/L	94
14) Acrolein	2.967	56	6996	7.940 ug/L	93
15) Methylene chloride	3.203	84	65539	10.565 ug/L	98
17) Acetone	3.230	43	19123	9.535 ug/L	92
18) trans-1,2-Dichloroethene	3.339	96	50244	10.324 ug/L	96
19) Methyl acetate	3.343	43	35403	9.824 ug/L	98
21) Methyl tert-butyl ether	3.434	73	95724	8.462 ug/L #	94
22) tert-Butyl alcohol	3.529	59	18910	51.118 ug/L #	100
24) Diisopropyl ether	3.778	45	247072	10.244 ug/L	99
25) 1,1-Dichloroethane	3.896	63	126462	9.647 ug/L	98
26) Halothane	3.964	117	34649	9.952 ug/L	96
27) Acrylonitrile	3.937	53	20475	9.425 ug/L	93
28) Ethyl tert-butyl ether	4.118	59	160781	9.376 ug/L	93
29) Vinyl acetate	4.127	43	144878	9.696 ug/L	99
30) cis-1,2-Dichloroethene	4.403	96	58545	10.023 ug/L	86
31) 2,2-Dichloropropane	4.503	77	95687	11.592 ug/L	97

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A01.D
Acq On : 4 Dec 2025 7:24 am
Operator : ELAINE:PID
Sample : WG2149663-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 04 07:57:17 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
33) Bromochloromethane	4.584	128	28575	11.144	ug/L	#	72
34) Cyclohexane	4.598	56	136019	10.824	ug/L		91
35) Chloroform	4.666	83	100336	9.561	ug/L		96
36) Ethyl acetate	4.770	43	50260	9.600	ug/L		99
37) Carbon tetrachloride	4.788	117	69267	11.089	ug/L		83
38) Tetrahydrofuran	4.811	42	16946M4	9.018	ug/L		
40) 1,1,1-Trichloroethane	4.856	97	82047	10.394	ug/L		96
42) 2-Butanone	4.942	43	18311	7.279	ug/L	#	87
43) 1,1-Dichloropropene	4.974	75	69403	10.391	ug/L		96
45) Benzene	5.212	78	219211	10.344	ug/L		98
46) tert-Amyl methyl ether	5.326	73	104987	9.337	ug/L		98
48) 1,2-Dichloroethane	5.414	62	85885	9.801	ug/L		99
51) Methyl cyclohexane	5.787	83	90385	10.458	ug/L		97
52) Trichloroethene	5.809	95	49933	9.769	ug/L		96
54) Dibromomethane	6.239	93	30726	9.755	ug/L		97
55) 1,2-Dichloropropane	6.340	63	63853	9.508	ug/L		98
58) Bromodichloromethane	6.415	83	73448	10.097	ug/L		93
61) 1,4-Dioxane	6.621	88	20406	502.143	ug/L		96
62) cis-1,3-Dichloropropene	7.095	75	79790	9.980	ug/L		98
65) Toluene	7.354	92	141898	10.526	ug/L		95
66) 4-Methyl-2-pentanone	7.788	58	15246	8.747	ug/L	#	92
67) Tetrachloroethene	7.801	166	50263	10.461	ug/L		97
69) trans-1,3-Dichloropropene	7.836	75	69131	8.575	ug/L		95
71) Ethyl methacrylate	8.034	69	52362	9.353	ug/L		95
72) 1,1,2-Trichloroethane	8.025	83	33570	9.581	ug/L		97
73) Chlorodibromomethane	8.231	129	42185	8.948	ug/L		99
74) 1,3-Dichloropropane	8.341	76	70943	9.119	ug/L		98
75) 1,2-Dibromoethane	8.495	107	36351	8.749	ug/L		98
77) 2-Hexanone	8.789	43	35412	8.482	ug/L		97
78) Chlorobenzene	9.148	112	158232	10.493	ug/L		100
79) Ethylbenzene	9.188	91	297972	10.582	ug/L		97
80) 1,1,1,2-Tetrachloroethane	9.236	131	44793	9.800	ug/L		99
81) p/m Xylene	9.372	106	231164	21.020	ug/L		100
82) o Xylene	9.921	106	225233	20.666	ug/L		97
83) Styrene	9.991	104	368861	19.381	ug/L		100
85) Bromoform	10.013	173	23041	8.180	ug/L		100
87) Isopropylbenzene	10.324	105	300587	10.512	ug/L		98
89) Bromobenzene	10.774	156	60912	10.255	ug/L		97
90) n-Propylbenzene	10.827	91	389004	10.799	ug/L		99
91) 1,4-Dichlorobutane	10.844	55	113561	9.690	ug/L		97
92) 1,1,2,2-Tetrachloroethane	10.928	83	51195	9.488	ug/L		98

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A01.D
Acq On : 4 Dec 2025 7:24 am
Operator : ELAINE:PID
Sample : WG2149663-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 04 07:57:17 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 4-Ethyltoluene	10.959	105	307438	10.942	ug/L	99
94) 2-Chlorotoluene	10.999	91	226074M6	10.415	ug/L	
95) 1,3,5-Trimethylbenzene	11.065	105	261889	10.401	ug/L	98
96) 1,2,3-Trichloropropane	11.060	75	44979	9.372	ug/L	99
97) trans-1,4-Dichloro-2-b...	11.122	53	22170	9.127	ug/L	95
98) 4-Chlorotoluene	11.188	91	235426	10.724	ug/L	100
99) tert-Butylbenzene	11.413	119	221787	10.864	ug/L	98
102) 1,2,4-Trimethylbenzene	11.492	105	265394	10.569	ug/L	100
103) sec-Butylbenzene	11.611	105	339868	10.872	ug/L	98
104) p-Isopropyltoluene	11.769	119	279297	10.661	ug/L	99
105) 1,3-Dichlorobenzene	11.831	146	138508	10.647	ug/L	99
106) 1,4-Dichlorobenzene	11.928	146	133486	10.347	ug/L	99
107) p-Diethylbenzene	12.153	119	165813	10.703	ug/L	97
108) n-Butylbenzene	12.210	91	275874	10.814	ug/L	99
109) 1,2-Dichlorobenzene	12.355	146	125258	10.367	ug/L	98
110) 1,2,4,5-Tetramethylben...	12.955	119	253966	9.696	ug/L	98
111) 1,2-Dibromo-3-chloropr...	13.148	155	6511	8.389	ug/L	100
112) 1,3,5-Trichlorobenzene	13.175	180	85995	10.837	ug/L	98
113) Hexachlorobutadiene	13.761	225	24654	12.074	ug/L	97
114) 1,2,4-Trichlorobenzene	13.778	180	69007	10.548	ug/L	98
115) Naphthalene	14.069	128	147774	9.063	ug/L	100
116) 1,2,3-Trichlorobenzene	14.237	180	57022	9.992	ug/L	99

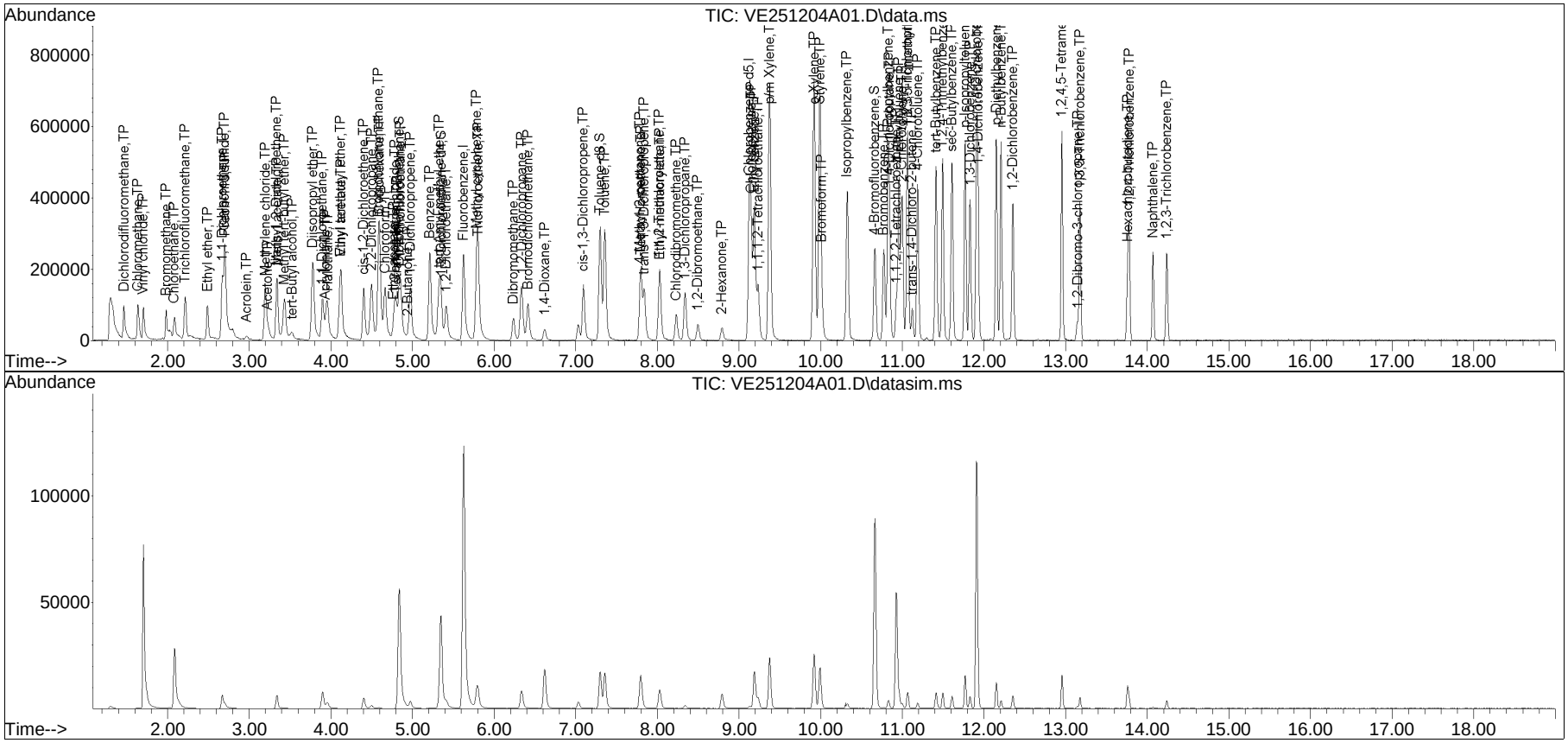
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A01.D
Acq On : 4 Dec 2025 7:24 am
Operator : ELAINE:PID
Sample : WG2149663-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 04 07:57:17 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

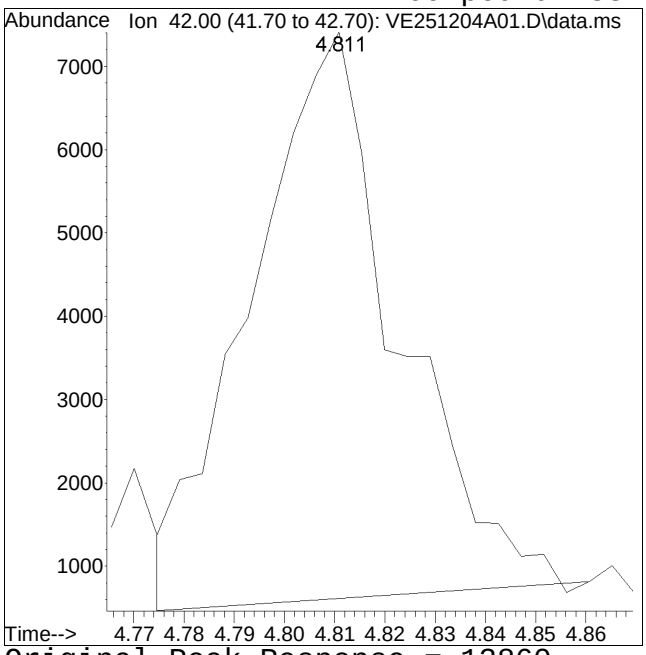
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane



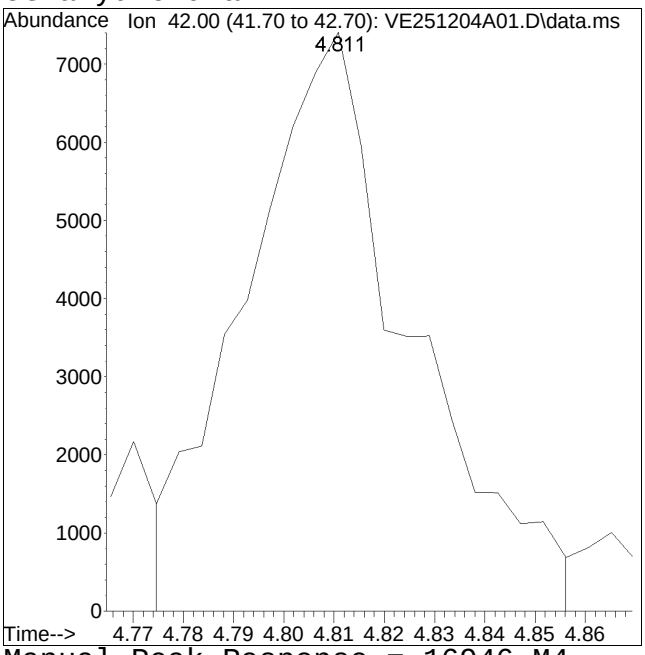
Manual Integration Report

Data Path	: K:\Elaine\2025\251204A\	QMethod	: Elaine_251111N_8260.m
Data File	: VE251204A01.D	Operator	: ELAINE:PID
Date Inj'd	: 12/4/2025 7:24 am	Instrument	: Elaine
Sample	: WG2149663-2	Quant Date	: 12/4/2025 7:56 am

Compound #38: Tetrahydrofuran



Original Peak Response = 13860



Manual Peak Response = 16946 M4

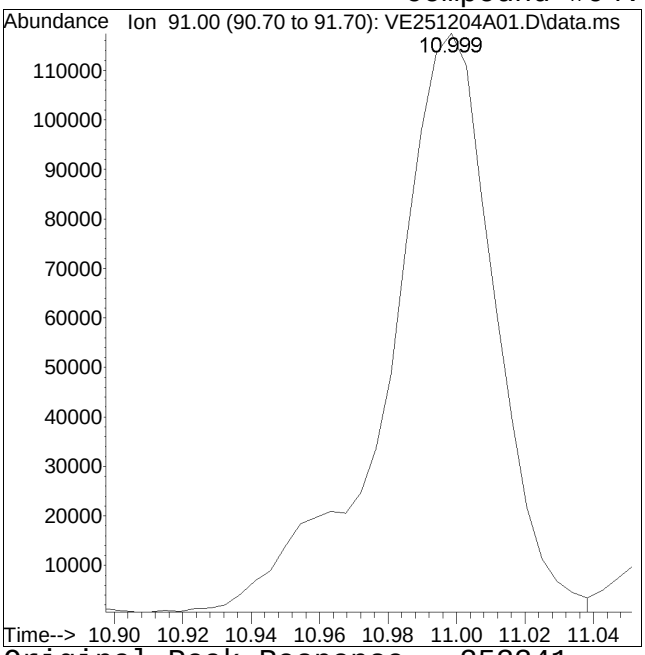
M4 = Poor automated baseline construction.

Manual Integration Report

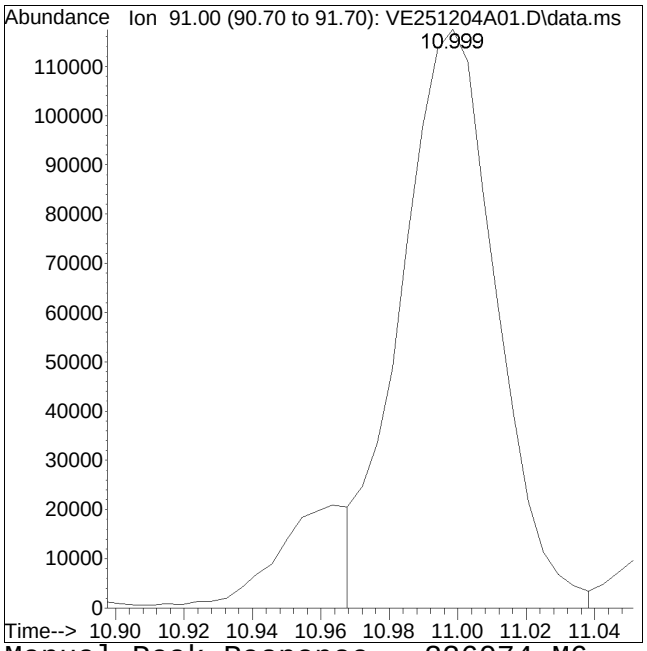
Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A01.D
Date Inj'd : 12/4/2025 7:24 am
Sample : WG2149663-2

QMethod : Elaine_251111N_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 12/4/2025 7:56 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 253341



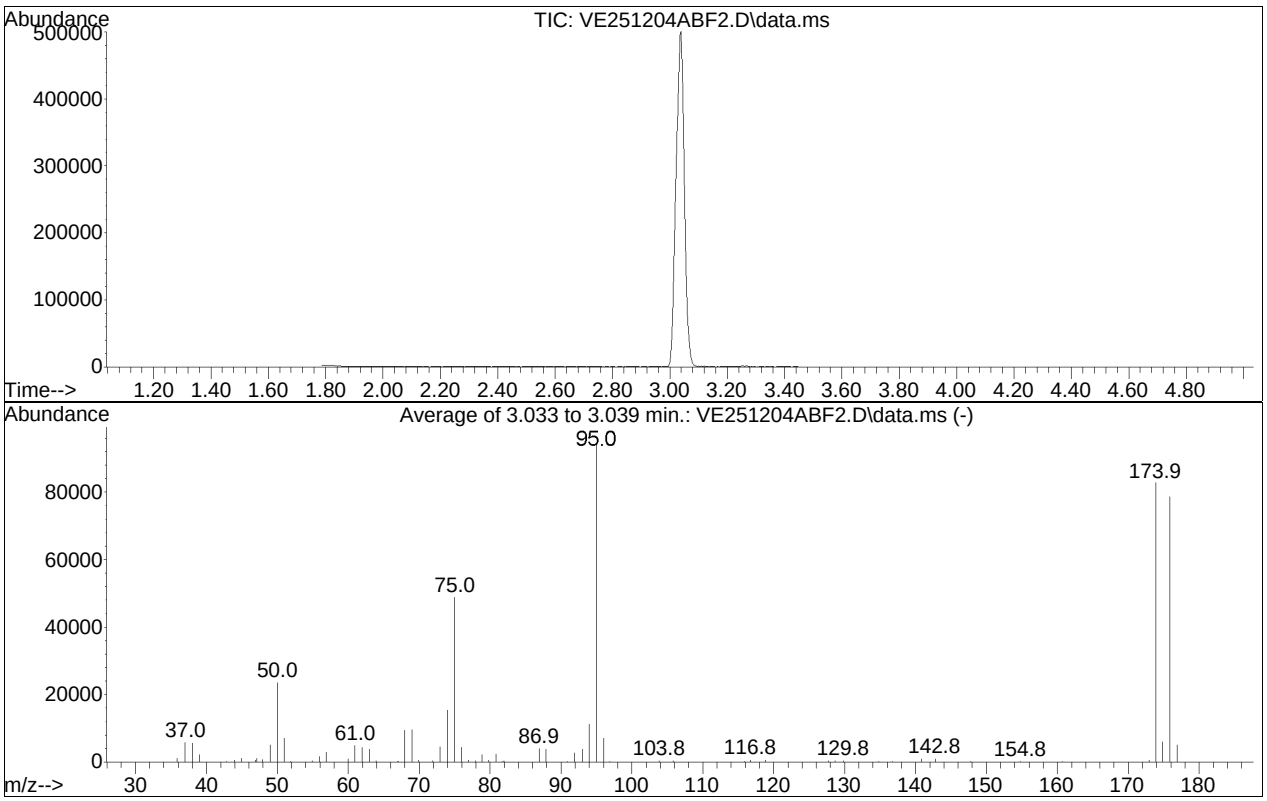
Manual Peak Response = 226074 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204ABF2.D
Acq On : 4 Dec 2025 7:05 am
Operator : ELAINE:PID
Sample : WG2149663-1
Misc : WG2149663,ICAL22806
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Nov 12 12:15:18 2025



AutoFind: Scans 448, 449, 450; Background Corrected with Scan 431

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.9	23547	PASS
75	95	30	60	51.6	48845	PASS
95	95	100	100	100.0	94651	PASS
96	95	5	9	7.4	7027	PASS
173	174	0.00	2	0.8	676	PASS
174	95	50	100	87.5	82824	PASS
175	174	5	9	7.3	6065	PASS
176	174	95	101	95.1	78763	PASS
177	176	5	9	6.5	5084	PASS

Volatiles Raw QC Data

Quantitation Report (LSC Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A05.D
Acq On : 4 Dec 2025 9:01 am
Operator : ELAINE:PID
Sample : WG2149663-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 04 09:51:58 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.629	96	191673	10.000	ug/L	0.00
Standard Area 1 = 228604			Recovery = 83.84%			
63) Chlorobenzene-d5	9.131	117	163119	10.000	ug/L	0.00
Standard Area 1 = 181694			Recovery = 89.78%			
84) 1,4-Dichlorobenzene-d4	11.911	152	88684	10.000	ug/L	0.00
Standard Area 1 = 98206			Recovery = 90.30%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.843	113	58009	10.981	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.81%			
47) 1,2-Dichloroethane-d4	5.353	65	72858	10.123	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.23%			
64) Toluene-d8	7.301	98	207424	9.502	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.02%			
88) 4-Bromofluorobenzene	10.668	95	85860	10.156	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.56%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.459	85	84	N.D.		
3) Chloromethane	1.626	50	205	N.D.		
4) Vinyl chloride	1.699	62	43	N.D.		
5) Bromomethane	1.989	94	464	0.155	ug/L	88
6) Chloroethane	2.070	64	131	N.D.		
7) Trichlorofluoromethane	2.206	101	66	N.D.		
8) Ethyl ether	2.591	74	46	N.D.		
10) 1,1-Dichloroethene	2.677	96	42	N.D.		
11) Carbon disulfide	2.695	76	533	N.D.		
15) Methylene chloride	3.148	84	114	N.D.		
17) Acetone	0.000		0	N.D. d		
18) trans-1,2-Dichloroethene	3.325	96	45	N.D.		
21) Methyl tert-butyl ether	3.370	73	41	N.D.		
25) 1,1-Dichloroethane	3.823	63	65	N.D.		
27) Acrylonitrile	4.027	53	55	N.D.		
29) Vinyl acetate	4.122	43	64	N.D.		
30) cis-1,2-Dichloroethene	4.240	96	54	N.D.		
31) 2,2-Dichloropropane	4.449	77	51	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
35) Chloroform	4.666	83	861	Below Cal #		35

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A05.D
Acq On : 4 Dec 2025 9:01 am
Operator : ELAINE:PID
Sample : WG2149663-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 04 09:51:58 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	4.784	117	46	N.D.		
40) 1,1,1-Trichloroethane	0.000		0	N.D.		
42) 2-Butanone	4.942	43	54	N.D.		
43) 1,1-Dichloropropene	4.924	75	53	N.D.		
45) Benzene	5.217	78	45	N.D.		
48) 1,2-Dichloroethane	5.419	62	51	N.D.		
52) Trichloroethene	5.805	95	109	N.D.		
54) Dibromomethane	6.169	93	42	N.D.		
55) 1,2-Dichloropropane	6.244	63	51	N.D.		
58) Bromodichloromethane	6.494	83	45	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.	d	
62) cis-1,3-Dichloropropene	7.047	75	57	N.D.		
65) Toluene	7.358	92	46	N.D.		
66) 4-Methyl-2-pentanone	7.854	58	61	N.D.		
67) Tetrachloroethene	0.000		0	N.D.	d	
69) trans-1,3-Dichloropropene	0.000		0	N.D.	d	
72) 1,1,2-Trichloroethane	8.012	83	61	N.D.		
73) Chlorodibromomethane	8.126	129	60	N.D.		
74) 1,3-Dichloropropane	8.394	76	51	N.D.		
75) 1,2-Dibromoethane	8.582	107	66	N.D.		
77) 2-Hexanone	8.793	43	55	N.D.		
78) Chlorobenzene	9.144	112	40	N.D.		
79) Ethylbenzene	9.192	91	282	N.D.		
80) 1,1,1,2-Tetrachloroethane	9.227	131	45	N.D.		
81) p/m Xylene	9.394	106	181	N.D.		
82) o Xylene	9.925	106	47	N.D.		
83) Styrene	9.978	104	113	N.D.		
85) Bromoform	0.000		0	N.D.	d	
87) Isopropylbenzene	10.316	105	141	N.D.		
89) Bromobenzene	10.761	156	41	N.D.		
90) n-Propylbenzene	10.831	91	129	N.D.		
92) 1,1,2,2-Tetrachloroethane	10.932	83	42	N.D.		
93) 4-Ethyltoluene	10.950	105	235	N.D.		
94) 2-Chlorotoluene	11.007	91	115	N.D.		
95) 1,3,5-Trimethylbenzene	11.060	105	93	N.D.		
96) 1,2,3-Trichloropropane	11.095	75	57	N.D.		
97) trans-1,4-Dichloro-2-b...	11.065	53	45	N.D.		
98) 4-Chlorotoluene	11.184	91	235	N.D.		
99) tert-Butylbenzene	11.417	119	54	N.D.		

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A05.D
Acq On : 4 Dec 2025 9:01 am
Operator : ELAINE:PID
Sample : WG2149663-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 04 09:51:58 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.492	105	389	N.D.		
103) sec-Butylbenzene	11.602	105	202	N.D.		
104) p-Isopropyltoluene	11.783	119	52	N.D.		
105) 1,3-Dichlorobenzene	11.827	146	163	N.D.		
106) 1,4-Dichlorobenzene	11.928	146	222	N.D.		
107) p-Diethylbenzene	12.148	119	363	N.D.		
108) n-Butylbenzene	12.201	91	399	N.D.		
109) 1,2-Dichlorobenzene	12.360	146	101	N.D.		
110) 1,2,4,5-Tetramethylben...	12.955	119	399	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	d	
113) Hexachlorobutadiene	0.000		0	N.D.	d	
114) 1,2,4-Trichlorobenzene	13.778	180	184	N.D.		
115) Naphthalene	14.069	128	425	N.D.		
116) 1,2,3-Trichlorobenzene	14.250	180	252	N.D.		

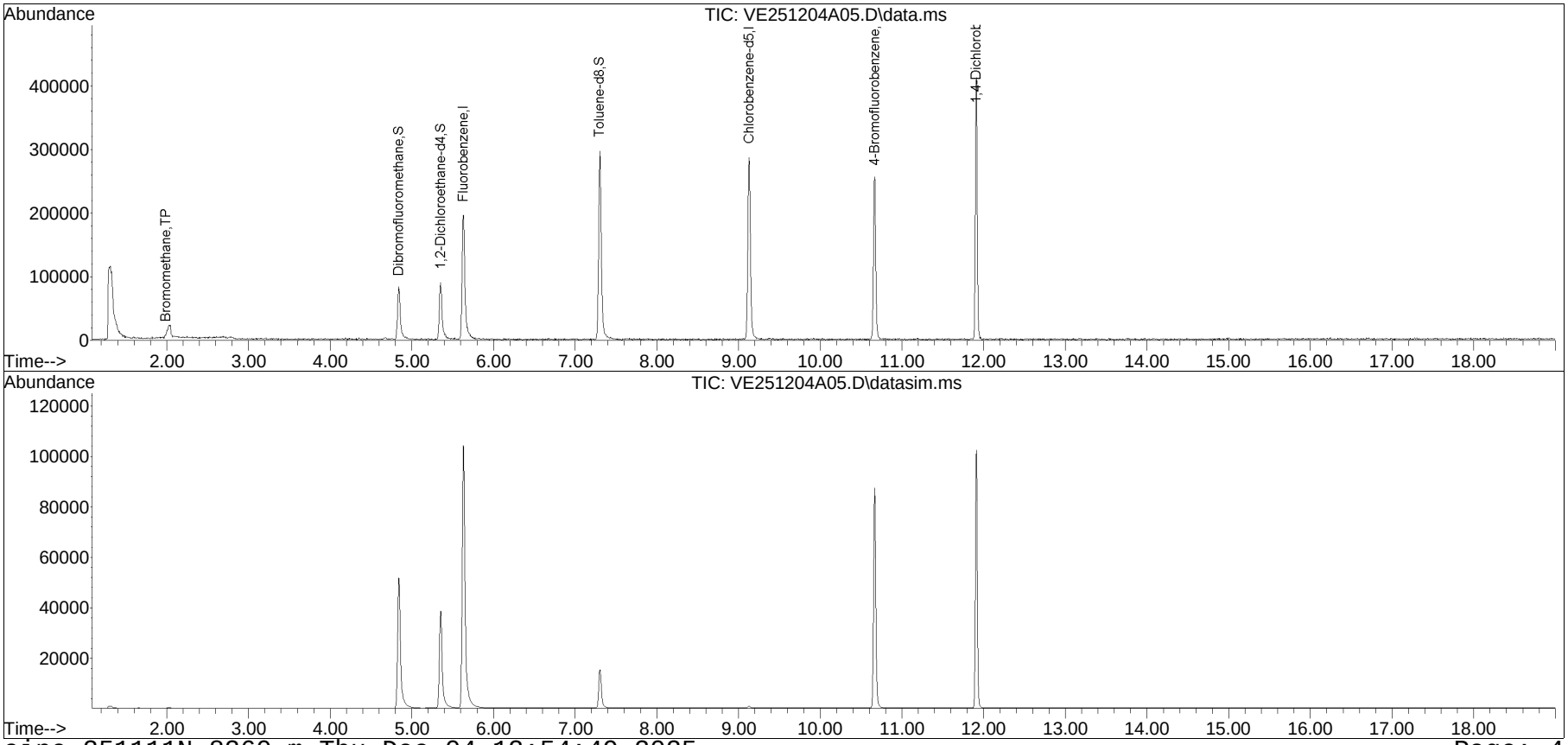
(#) = qualifier out of range (m) = manual integration (+) = signals summed

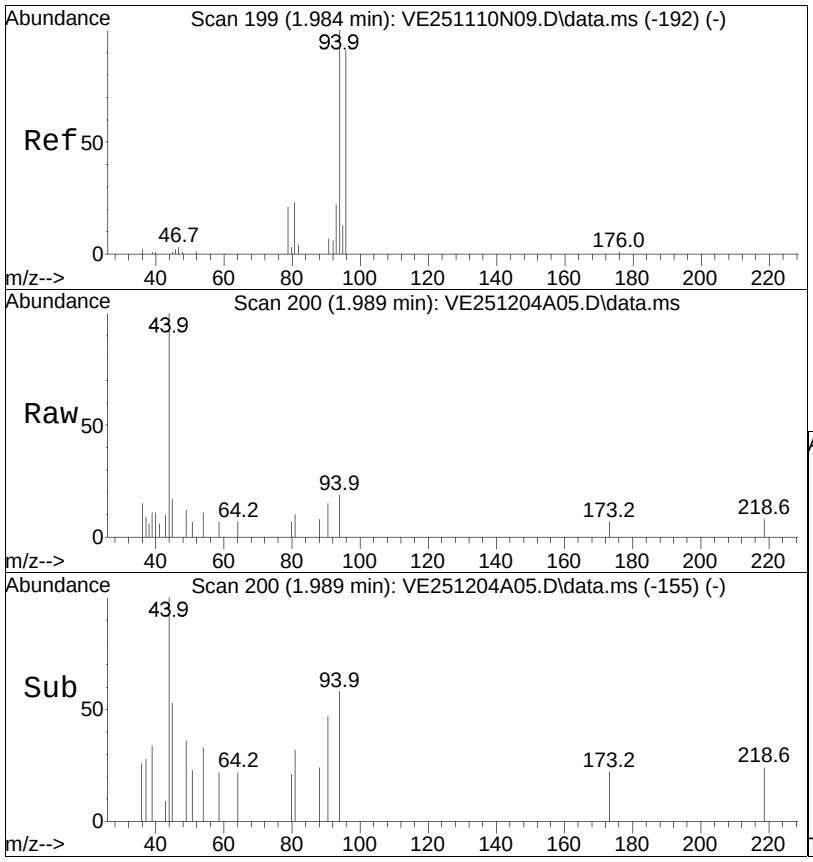
Quantitation Report (LSC Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A05.D
Acq On : 4 Dec 2025 9:01 am
Operator : ELAINE:PID
Sample : WG2149663-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 04 09:51:58 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

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

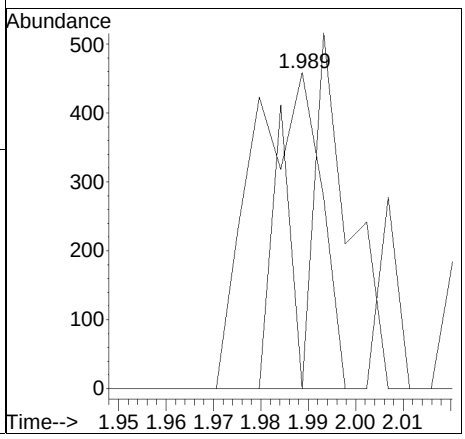




#5
Bromomethane
Concen: 0.16 ug/L
RT: 1.989 min Scan# 200
Delta R.T. 0.005 min
Lab File: VE251204A05.D
Acq: 4 Dec 2025 9:01 am

Tgt Ion: 94 Resp: 464

Ion	Ratio	Lower	Upper
94	100		
96	80.8	71.9	111.9



Manual Integration Report

Data Path	: K:\Elaine\2025\251204A\	QMethod	: Elaine_251111N_8260.m
Data File	: VE251204A05.D	Operator	: ELAINE:PID
Date Inj'd	: 12/4/2025 9:01 am	Instrument	: Elaine
Sample	: WG2149663-5,31,10,10	Quant Date	: 12/4/2025 9:51 am

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

LSC Area Percent Report

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A05.D
Acq On : 4 Dec 2025 9:01 am
Operator : ELAINE:PID
Sample : WG2149663-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 1 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VE251204A05.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.043	195	212	218	rBV	21203	68544	10.13%	1.991%
2	4.838	818	829	846	rBV3	82732	199793	29.53%	5.802%
3	5.353	932	944	956	rBV2	89347	204166	30.18%	5.929%
4	5.634	995	1008	1039	rBV2	195686	495817	73.29%	14.399%
5	7.301	1374	1388	1409	rBV	296772	676557	100.00%	19.647%
6	9.131	1790	1805	1825	rBV	285857	642308	94.94%	18.653%
7	10.664	2141	2154	2170	rBV3	256078	493151	72.89%	14.321%
8	11.911	2427	2437	2454	rVB2	412046	663165	98.02%	19.258%

Sum of corrected areas: 3443501

Signal : TIC: VE251204A05.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

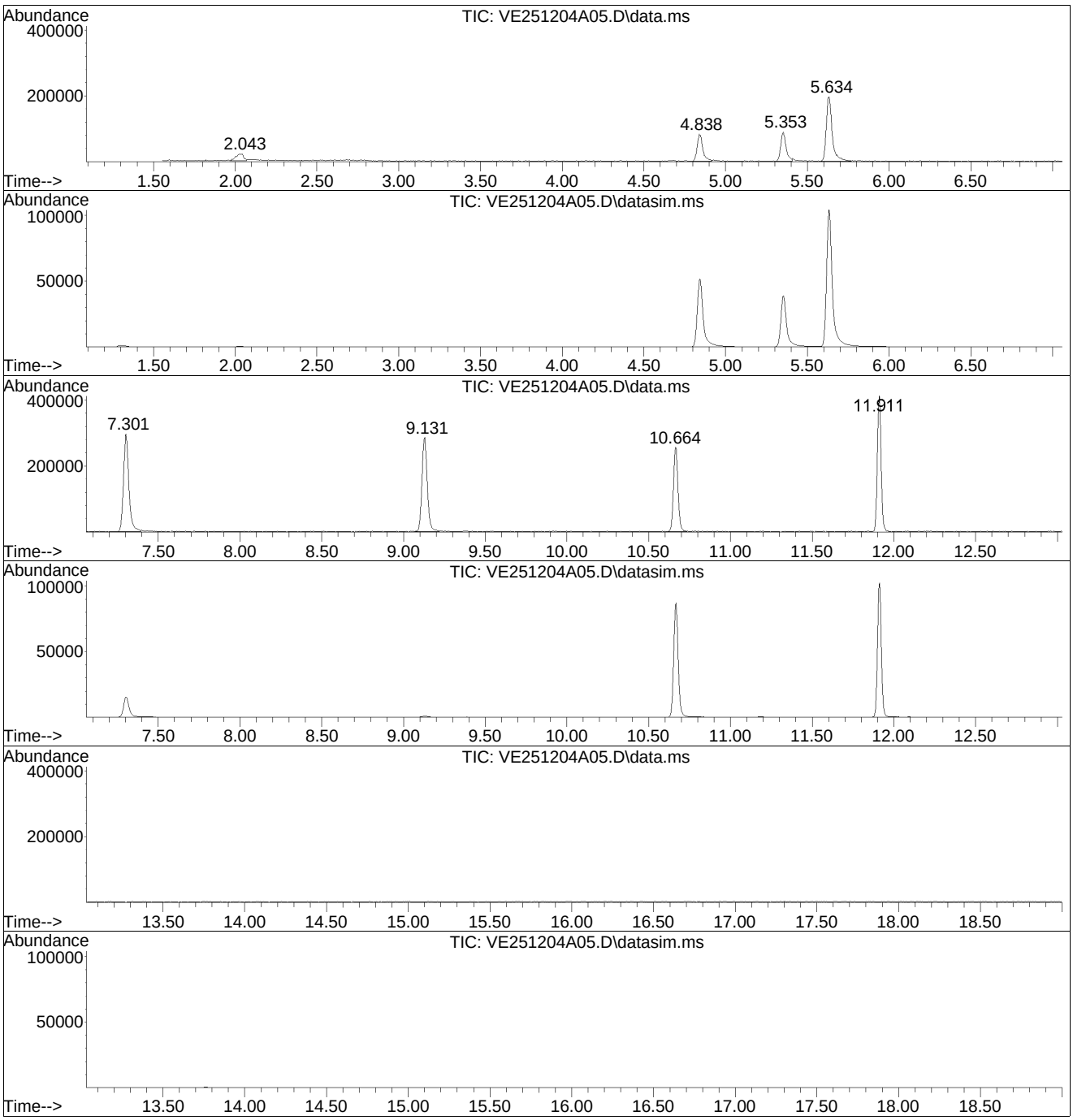
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A05.D
Acq On : 4 Dec 2025 9:01 am
Operator : ELAINE:PID
Sample : WG2149663-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A05.D
Acq On : 4 Dec 2025 9:01 am
Operator : ELAINE:PID
Sample : WG2149663-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

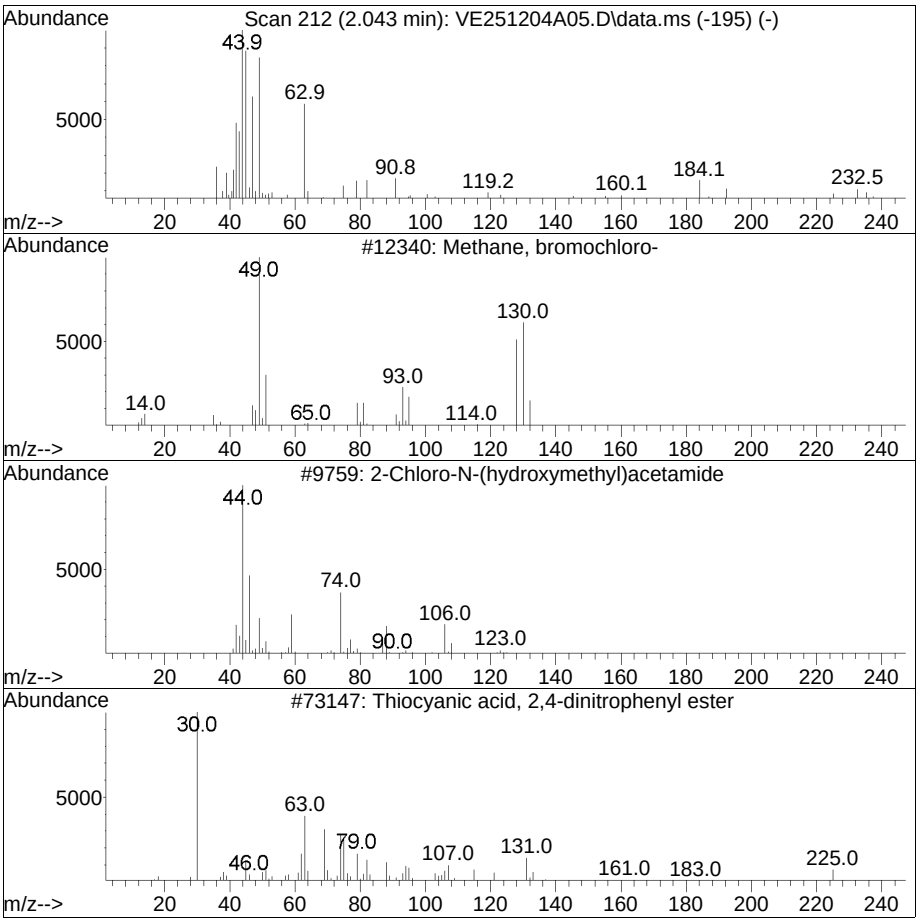
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

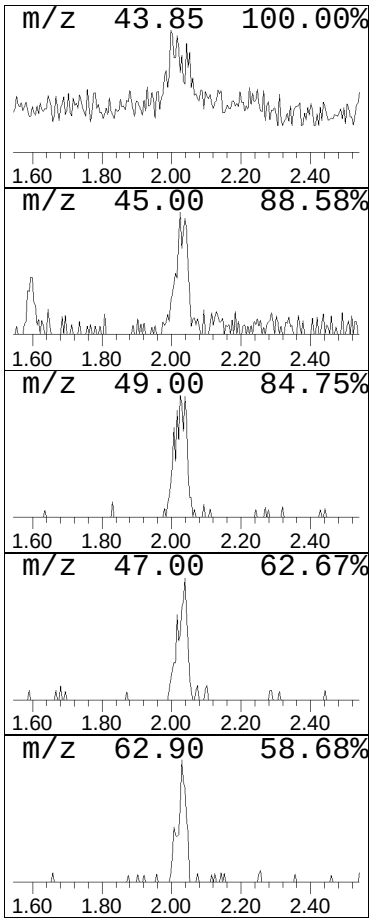
****

Peak Number 1 Unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.043	1.38 ug/L	68544	Fluorobenzene	5.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methane, bromochloro-	128	CH2BrCl	000074-97-5	17
2	2-Chloro-N-(hydroxymethyl)acetamide	123	C3H6ClNO2	002832-19-1	17
3	Thiocyanic acid, 2,4-dinitrophen...	225	C7H3N3O4S	001594-56-5	9
4	1,3-Bis(2-chloroethyl)urea	184	C5H10Cl2N2O	002214-72-4	9
5	Benzene, 4-methoxy-1-nitro-2-(tr...	221	C8H6F3NO3	000344-39-8	9





Tentatively Identified Compound (LSC) summary

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A05.D
Acq On : 4 Dec 2025 9:01 am
Operator : ELAINE:PID
Sample : WG2149663-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown	2.043	1.4	ug/L	68544	1	5.629	495817	10.0

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A01.D
Acq On : 4 Dec 2025 7:24 am
Operator : ELAINE:PID
Sample : WG2149663-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 04 07:57:17 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.625	96	228604	10.000	ug/L	0.00
63) Chlorobenzene-d5	9.126	117	181694	10.000	ug/L	0.00
84) 1,4-Dichlorobenzene-d4	11.910	152	98206	10.000	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	4.838	113	61262	9.723	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.23%			
47) 1,2-Dichloroethane-d4	5.353	65	74584	8.688	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.88%			
64) Toluene-d8	7.301	98	240060	9.873	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.73%			
88) 4-Bromofluorobenzene	10.664	95	91387	9.762	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.62%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.468	85	84525	11.282	ug/L	98
3) Chloromethane	1.640	50	105898	10.569	ug/L	96
4) Vinyl chloride	1.703	62	90993	11.663	ug/L	98
5) Bromomethane	1.984	94	38557	10.802	ug/L	98
6) Chloroethane	2.084	64	56732	11.164	ug/L	91
7) Trichlorofluoromethane	2.220	101	87786	9.512	ug/L	95
8) Ethyl ether	2.491	74	25163	8.338	ug/L	95
10) 1,1-Dichloroethene	2.673	96	49231	9.656	ug/L	98
11) Carbon disulfide	2.700	76	166124	9.628	ug/L	100
15) Methylene chloride	3.203	84	65539	10.565	ug/L	98
17) Acetone	3.230	43	19123	9.535	ug/L	92
18) trans-1,2-Dichloroethene	3.339	96	50244	10.324	ug/L	96
21) Methyl tert-butyl ether	3.434	73	95724	8.462	ug/L #	94
25) 1,1-Dichloroethane	3.896	63	126462	9.647	ug/L	98
27) Acrylonitrile	3.937	53	20475	9.425	ug/L	93
29) Vinyl acetate	4.127	43	144878	9.696	ug/L	99
30) cis-1,2-Dichloroethene	4.403	96	58545	10.023	ug/L	86
31) 2,2-Dichloropropane	4.503	77	95687	11.592	ug/L	97
33) Bromochloromethane	4.584	128	28575	11.144	ug/L #	72
35) Chloroform	4.666	83	100336	9.561	ug/L	96
37) Carbon tetrachloride	4.788	117	69267	11.089	ug/L	83
40) 1,1,1-Trichloroethane	4.856	97	82047	10.394	ug/L	96
42) 2-Butanone	4.942	43	18311	7.279	ug/L #	87
43) 1,1-Dichloropropene	4.974	75	69403	10.391	ug/L	96

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Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 04 07:57:17 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Benzene	5.212	78	219211	10.344	ug/L		98
48) 1,2-Dichloroethane	5.414	62	85885	9.801	ug/L		99
52) Trichloroethene	5.809	95	49933	9.769	ug/L		96
54) Dibromomethane	6.239	93	30726	9.755	ug/L		97
55) 1,2-Dichloropropane	6.340	63	63853	9.508	ug/L		98
58) Bromodichloromethane	6.415	83	73448	10.097	ug/L		93
61) 1,4-Dioxane	6.621	88	20406	502.143	ug/L		96
62) cis-1,3-Dichloropropene	7.095	75	79790	9.980	ug/L		98
65) Toluene	7.354	92	141898	10.526	ug/L		95
66) 4-Methyl-2-pentanone	7.788	58	15246	8.747	ug/L	#	92
67) Tetrachloroethene	7.801	166	50263	10.461	ug/L		97
69) trans-1,3-Dichloropropene	7.836	75	69131	8.575	ug/L		95
72) 1,1,2-Trichloroethane	8.025	83	33570	9.581	ug/L		97
73) Chlorodibromomethane	8.231	129	42185	8.948	ug/L		99
74) 1,3-Dichloropropane	8.341	76	70943	9.119	ug/L		98
75) 1,2-Dibromoethane	8.495	107	36351	8.749	ug/L		98
77) 2-Hexanone	8.789	43	35412	8.482	ug/L		97
78) Chlorobenzene	9.148	112	158232	10.493	ug/L		100
79) Ethylbenzene	9.188	91	297972	10.582	ug/L		97
80) 1,1,1,2-Tetrachloroethane	9.236	131	44793	9.800	ug/L		99
81) p/m Xylene	9.372	106	231164	21.020	ug/L		100
82) o Xylene	9.921	106	225233	20.666	ug/L		97
83) Styrene	9.991	104	368861	19.381	ug/L		100
85) Bromoform	10.013	173	23041	8.180	ug/L		100
87) Isopropylbenzene	10.324	105	300587	10.512	ug/L		98
89) Bromobenzene	10.774	156	60912	10.255	ug/L		97
90) n-Propylbenzene	10.827	91	389004	10.799	ug/L		99
92) 1,1,2,2-Tetrachloroethane	10.928	83	51195	9.488	ug/L		98
93) 4-Ethyltoluene	10.959	105	307438	10.942	ug/L		99
94) 2-Chlorotoluene	10.999	91	226074M6	10.415	ug/L		
95) 1,3,5-Trimethylbenzene	11.065	105	261889	10.401	ug/L		98
96) 1,2,3-Trichloropropane	11.060	75	44979	9.372	ug/L		99
97) trans-1,4-Dichloro-2-b...	11.122	53	22170	9.127	ug/L		95
98) 4-Chlorotoluene	11.188	91	235426	10.724	ug/L		100
99) tert-Butylbenzene	11.413	119	221787	10.864	ug/L		98
102) 1,2,4-Trimethylbenzene	11.492	105	265394	10.569	ug/L		100
103) sec-Butylbenzene	11.611	105	339868	10.872	ug/L		98
104) p-Isopropyltoluene	11.769	119	279297	10.661	ug/L		99
105) 1,3-Dichlorobenzene	11.831	146	138508	10.647	ug/L		99
106) 1,4-Dichlorobenzene	11.928	146	133486	10.347	ug/L		99

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A01.D
Acq On : 4 Dec 2025 7:24 am
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Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 04 07:57:17 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) p-Diethylbenzene	12.153	119	165813	10.703	ug/L	97
108) n-Butylbenzene	12.210	91	275874	10.814	ug/L	99
109) 1,2-Dichlorobenzene	12.355	146	125258	10.367	ug/L	98
110) 1,2,4,5-Tetramethylben...	12.955	119	253966	9.696	ug/L	98
111) 1,2-Dibromo-3-chloropr...	13.148	155	6511	8.389	ug/L	100
113) Hexachlorobutadiene	13.761	225	24654	12.074	ug/L	97
114) 1,2,4-Trichlorobenzene	13.778	180	69007	10.548	ug/L	98
115) Naphthalene	14.069	128	147774	9.063	ug/L	100
116) 1,2,3-Trichlorobenzene	14.237	180	57022	9.992	ug/L	99

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

Quantitation Report (QT Reviewed)

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QLast Update : Wed Nov 12 12:15:18 2025
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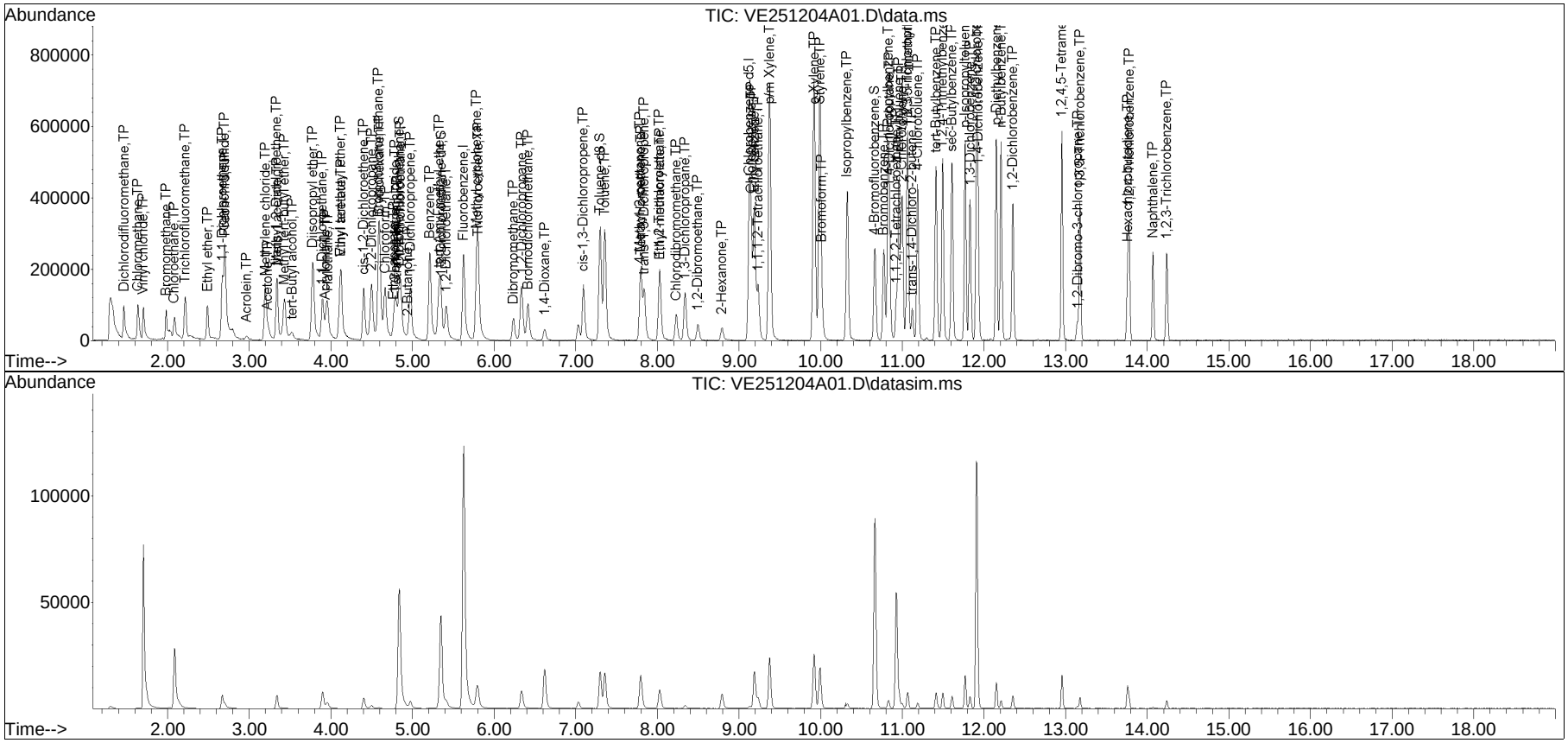
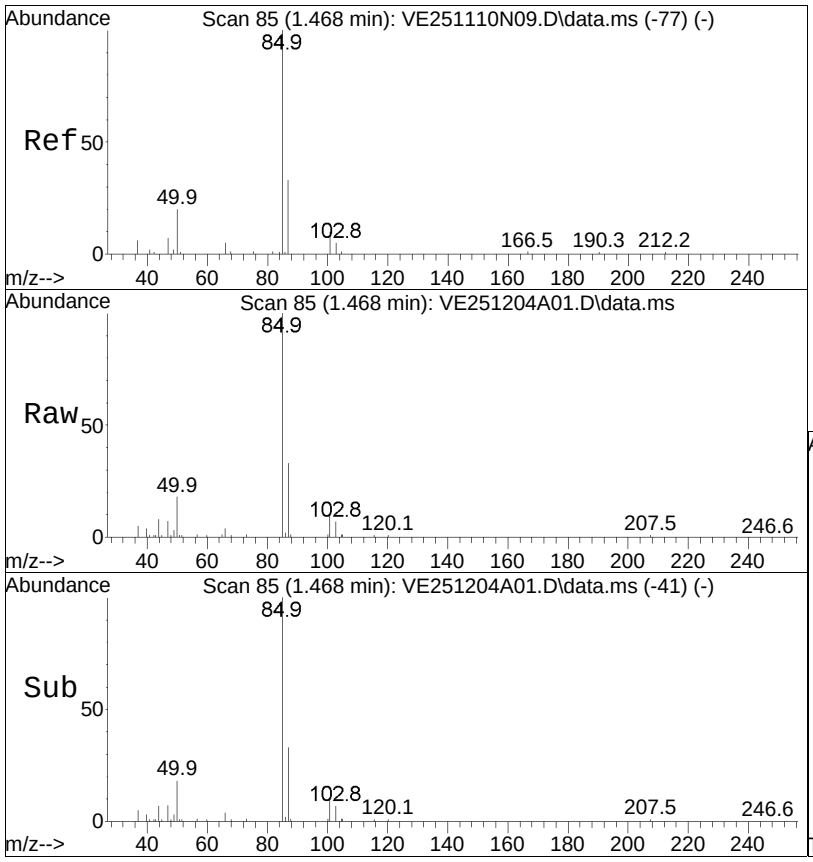
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

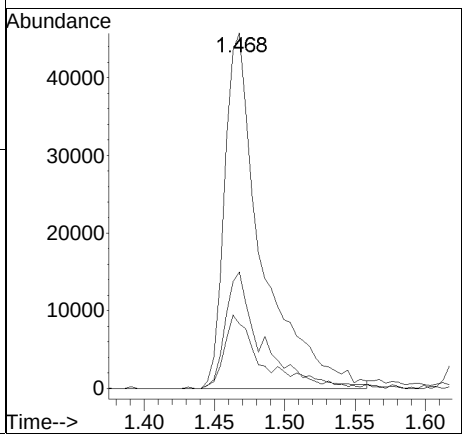


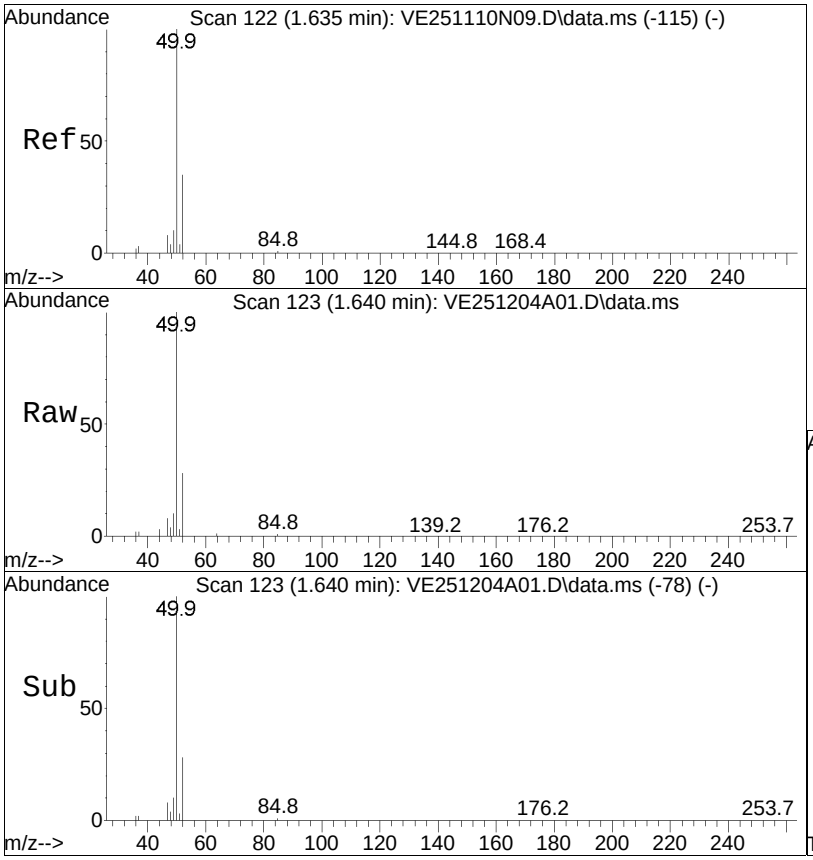


#2
Dichlorodifluoromethane
Concen: 11.28 ug/L
RT: 1.468 min Scan# 85
Delta R.T. -0.000 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 85 Resp: 84525

Ion	Ratio	Lower	Upper
85	100		
87	32.4	20.6	42.8
50	20.8	12.9	26.9

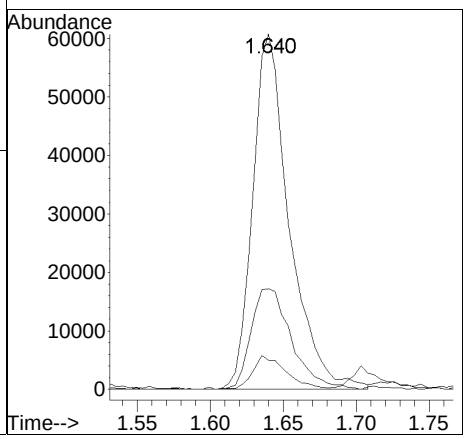


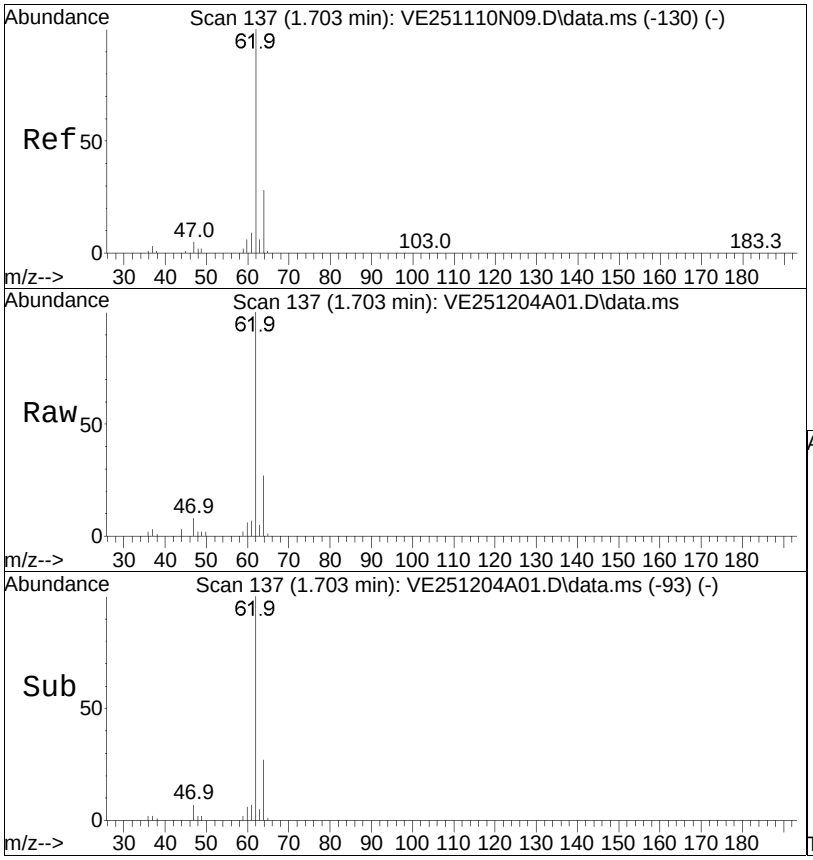


#3
Chloromethane
Concen: 10.57 ug/L
RT: 1.640 min Scan# 123
Delta R.T. 0.005 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 50 Resp: 105898

Ion	Ratio	Lower	Upper
50	100		
52	31.3	13.7	53.7
47	8.9	0.0	27.6

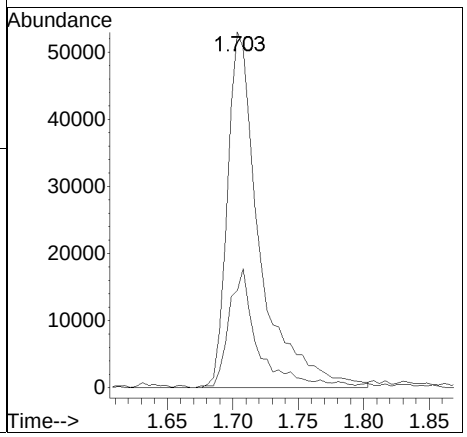


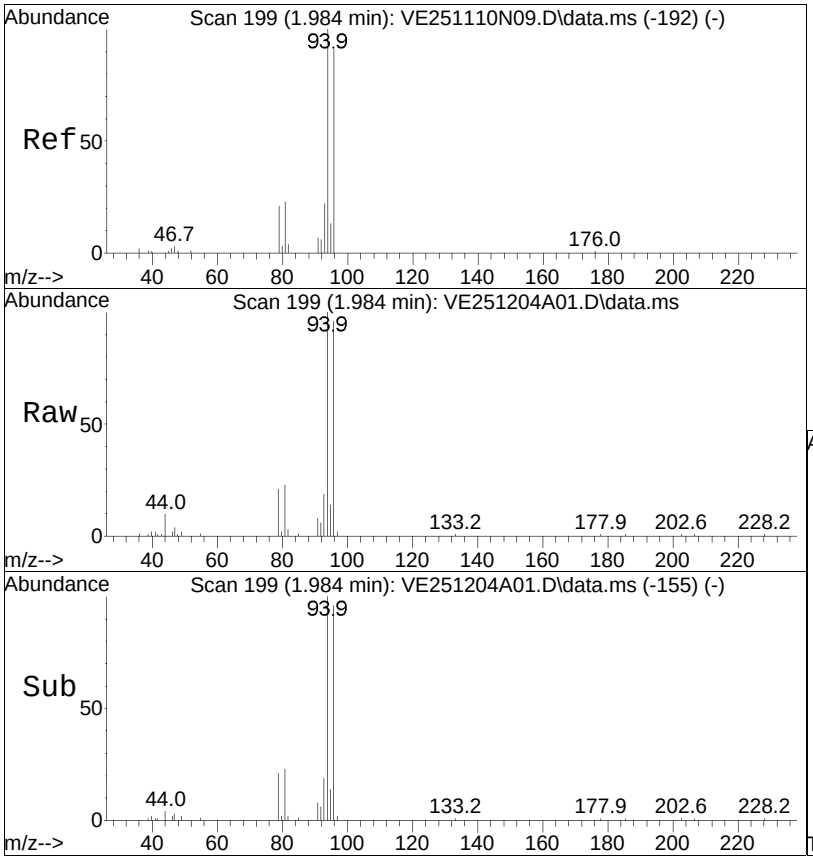


#4
Vinyl chloride
Concen: 11.66 ug/L
RT: 1.703 min Scan# 137
Delta R.T. 0.000 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 62 Resp: 90993

Ion	Ratio	Lower	Upper
62	100		
64	29.4	10.6	50.6

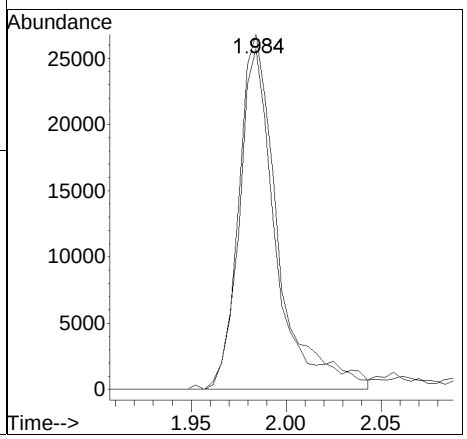


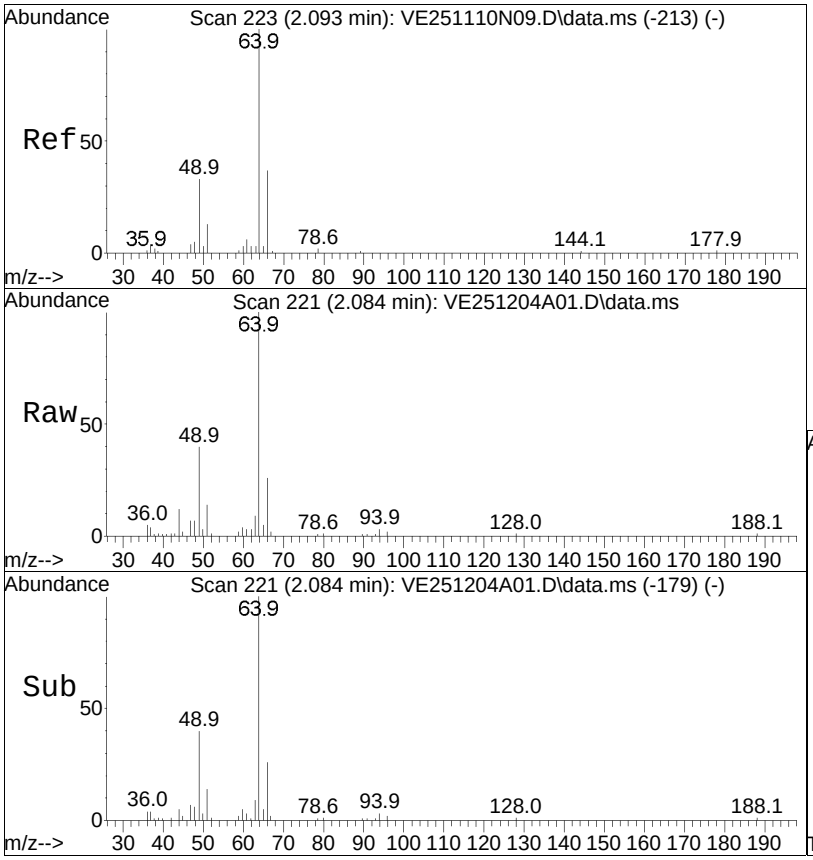


#5
Bromomethane
Concen: 10.80 ug/L
RT: 1.984 min Scan# 199
Delta R.T. 0.000 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 94 Resp: 38557

Ion	Ratio	Lower	Upper
94	100		
96	90.4	71.9	111.9

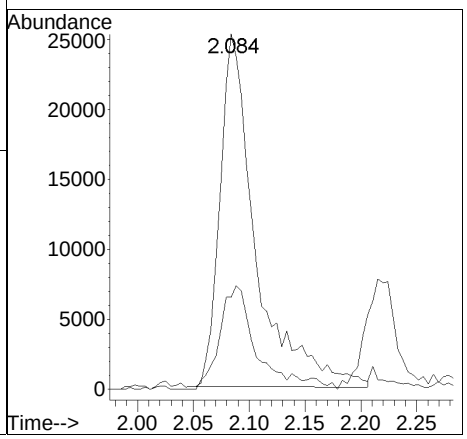


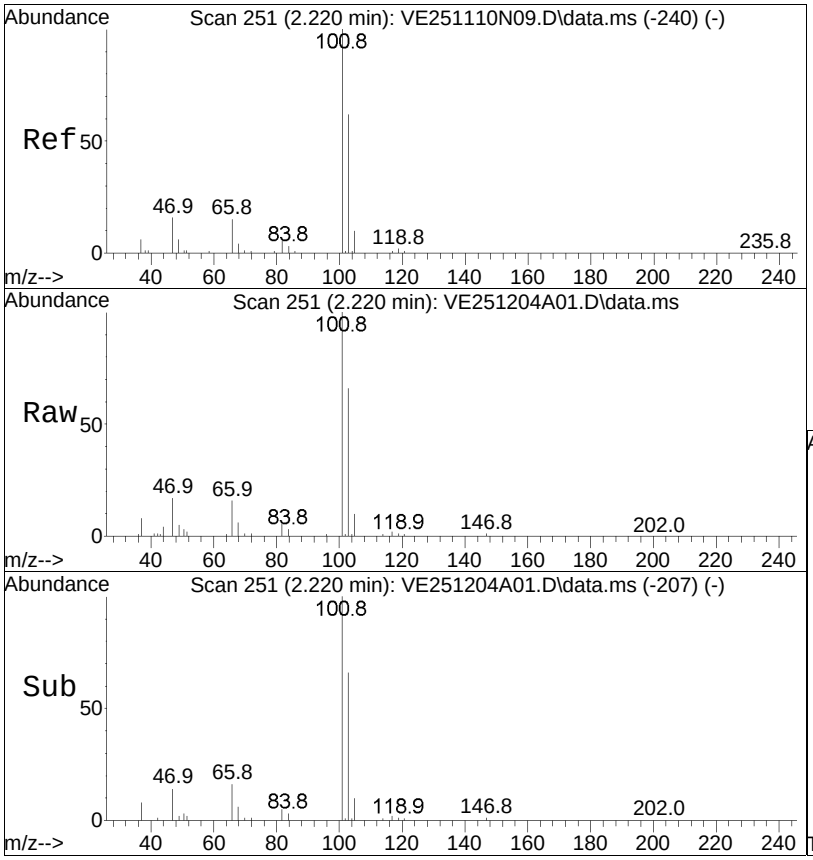


#6
Chloroethane
Concen: 11.16 ug/L
RT: 2.084 min Scan# 221
Delta R.T. -0.009 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 64 Resp: 56732

Ion	Ratio	Lower	Upper
64	100		
66	27.4	12.2	52.2

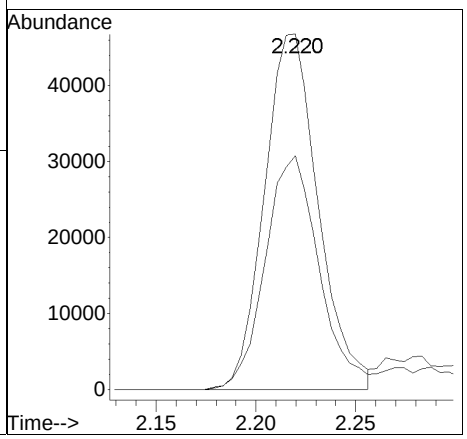


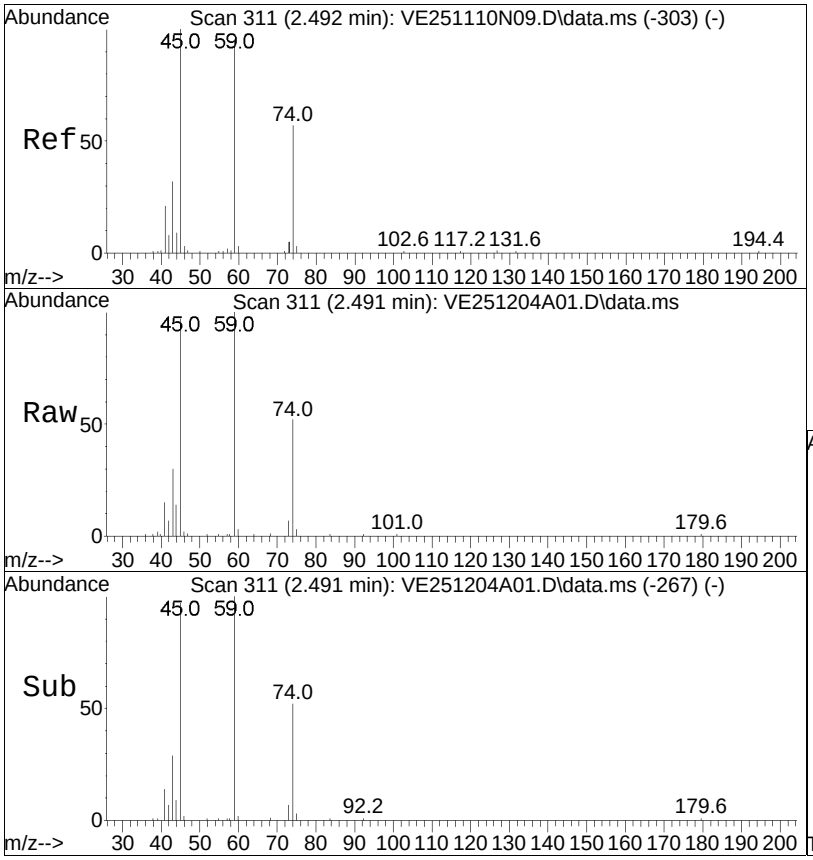


#7
Trichlorofluoromethane
Concen: 9.51 ug/L
RT: 2.220 min Scan# 251
Delta R.T. -0.000 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:101 Resp: 87786

Ion	Ratio	Lower	Upper
101	100		
103	65.7	49.4	74.0

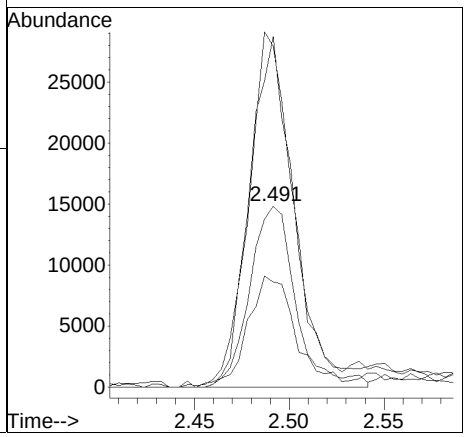


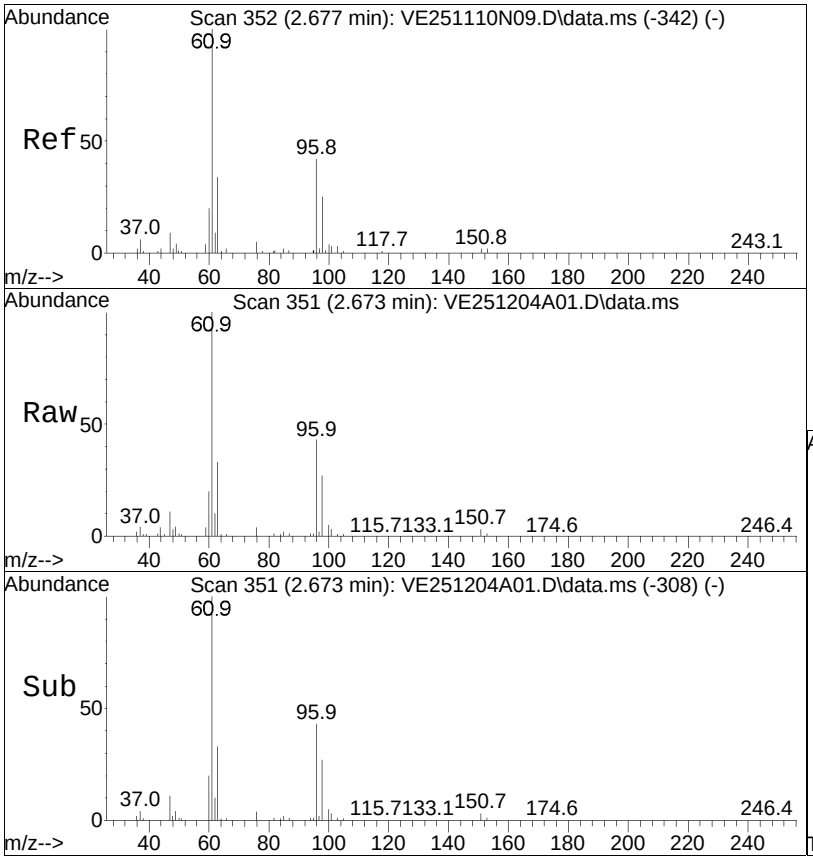


#8
Ethyl ether
Concen: 8.34 ug/L
RT: 2.491 min Scan# 311
Delta R.T. -0.001 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 74 Resp: 25163

Ion	Ratio	Lower	Upper
74	100		
59	187.5	114.5	237.9
45	189.6	120.8	250.8
43	64.5	42.9	89.1

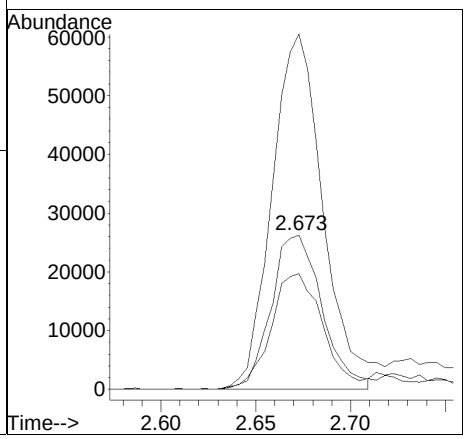


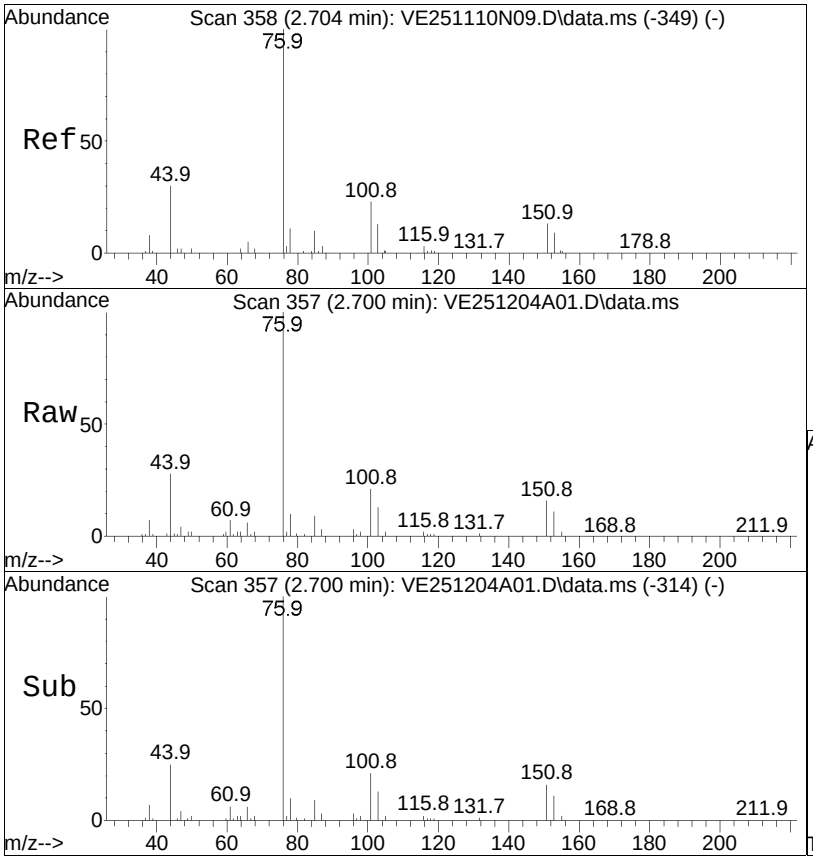


#10
1,1-Dichloroethene
Concen: 9.66 ug/L
RT: 2.673 min Scan# 351
Delta R.T. -0.004 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 96 Resp: 49231

Ion	Ratio	Lower	Upper
96	100		
61	233.3	190.2	285.2
63	75.6	59.9	89.9

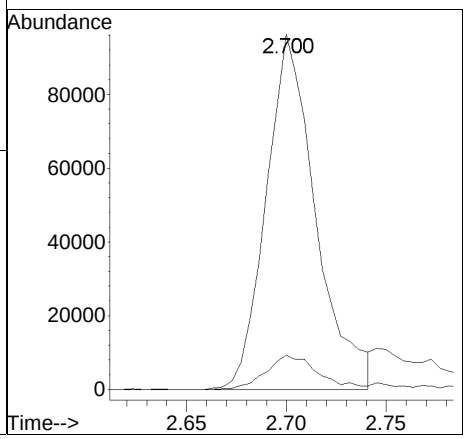


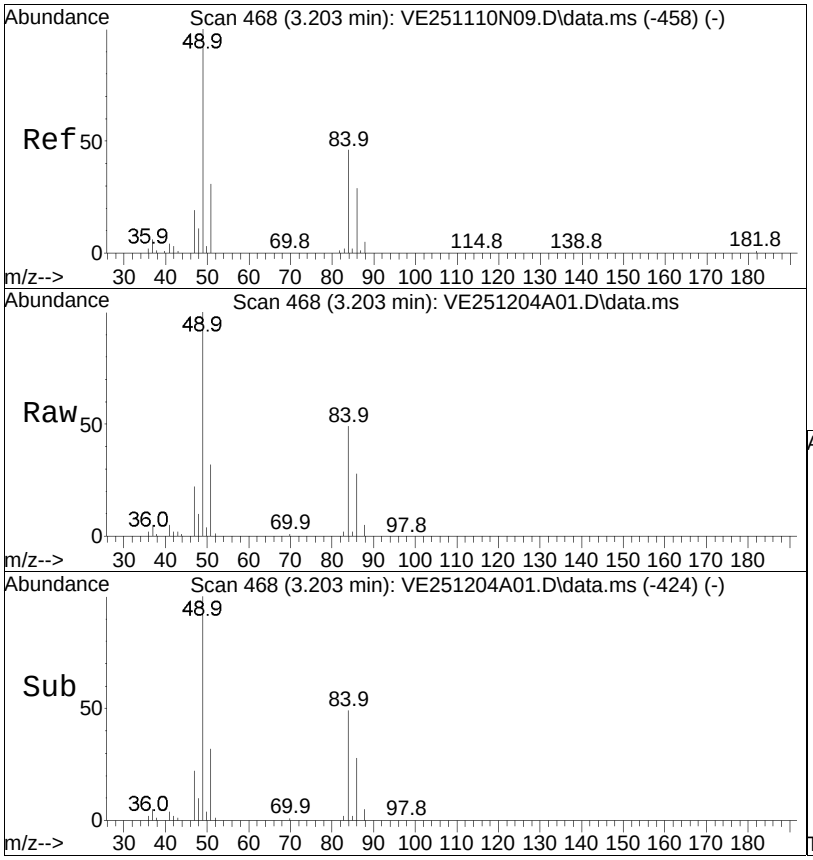


#11
Carbon disulfide
Concen: 9.63 ug/L
RT: 2.700 min Scan# 357
Delta R.T. -0.004 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 76 Resp: 166124

Ion	Ratio	Lower	Upper
76	100		
78	10.1	6.6	13.8

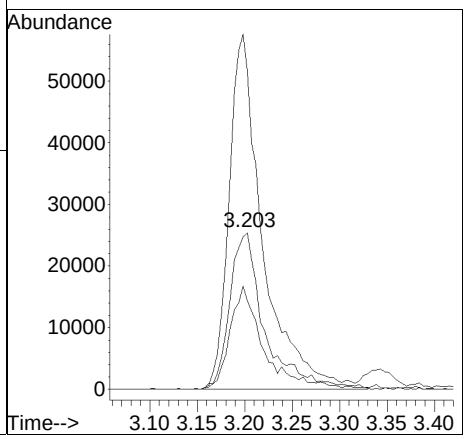


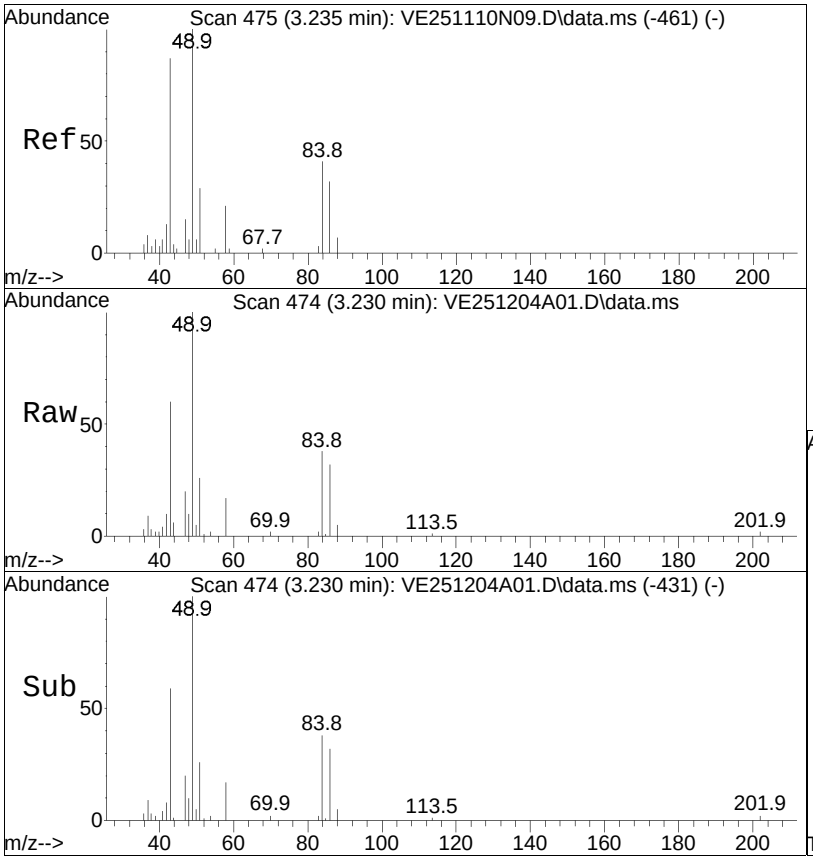


#15
Methylene chloride
Concen: 10.56 ug/L
RT: 3.203 min Scan# 468
Delta R.T. -0.000 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 84 Resp: 65539

Ion	Ratio	Lower	Upper
84	100		
86	62.7	41.8	86.8
49	215.0	141.8	294.6

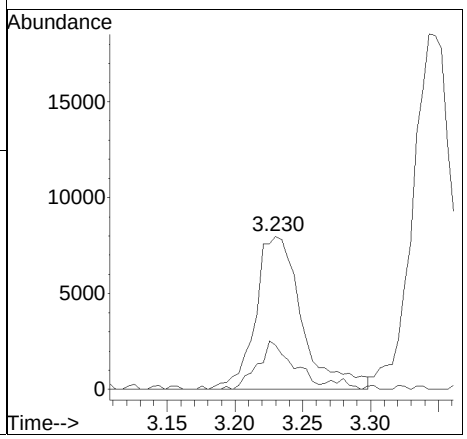


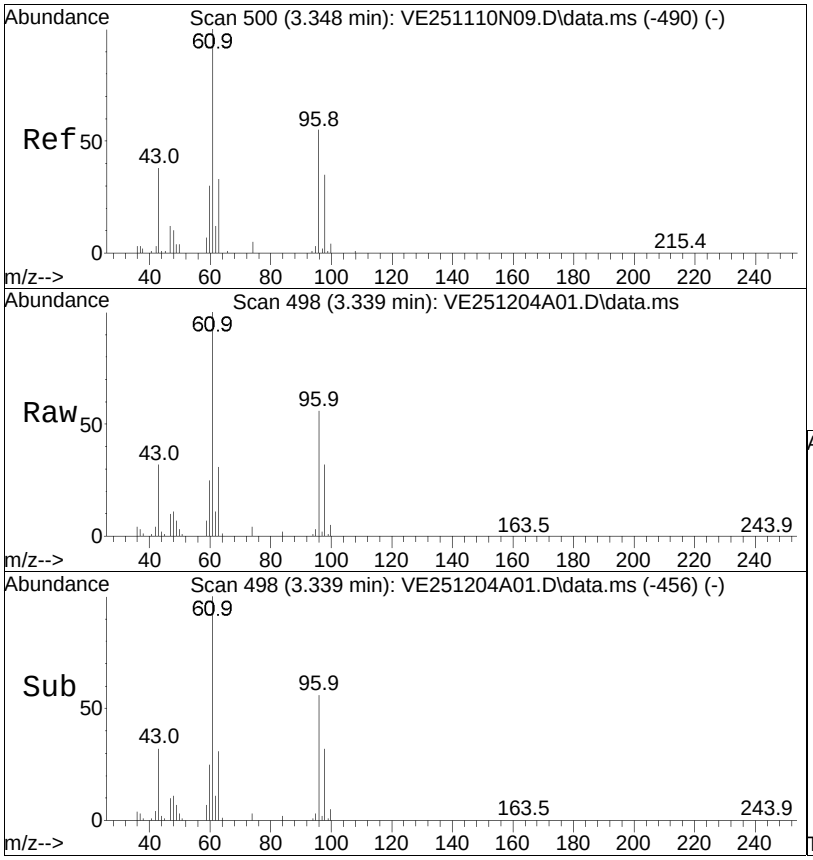


#17
Acetone
Concen: 9.53 ug/L
RT: 3.230 min Scan# 474
Delta R.T. -0.005 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 43 Resp: 19123

Ion	Ratio	Lower	Upper
43	100		
58	24.0	16.2	24.4

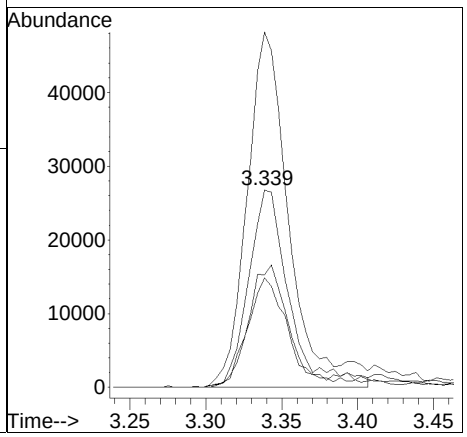


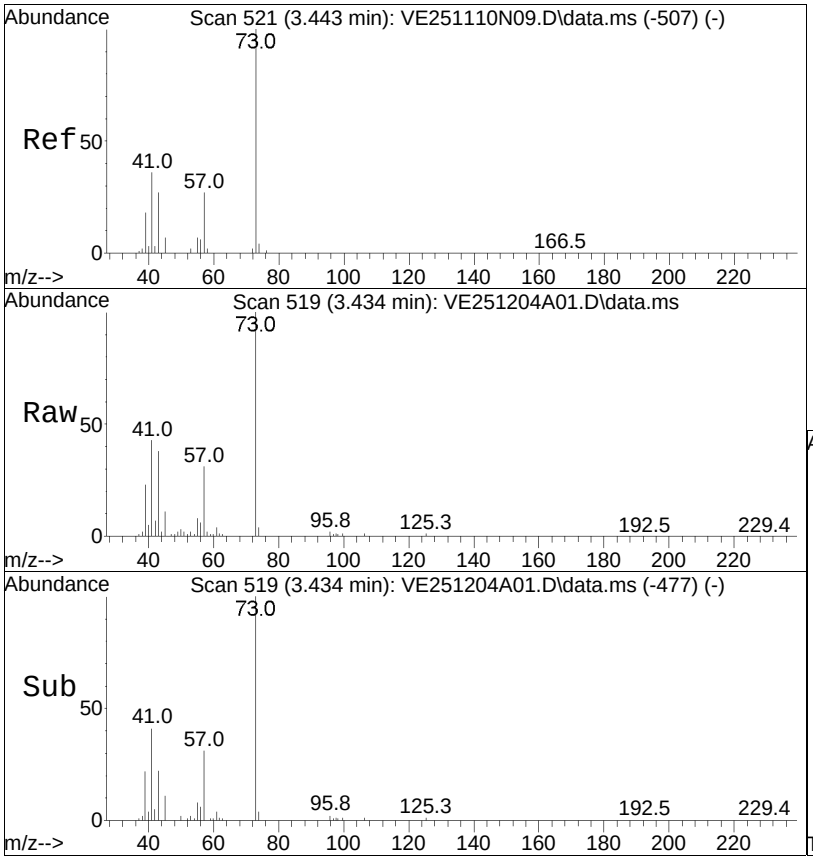


#18
trans-1,2-Dichloroethene
Concen: 10.32 ug/L
RT: 3.339 min Scan# 498
Delta R.T. -0.009 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 96 Resp: 50244

Ion	Ratio	Lower	Upper
96	100		
61	179.2	118.2	245.6
98	60.0	41.9	86.9
63	55.1	39.4	81.8

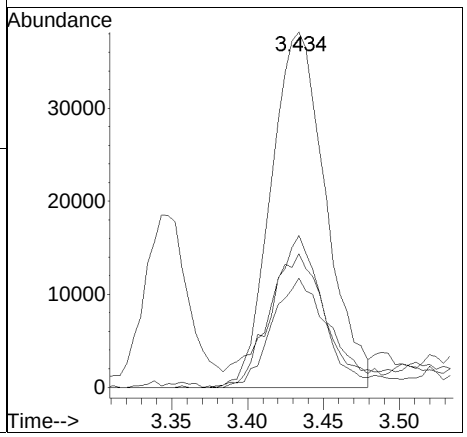


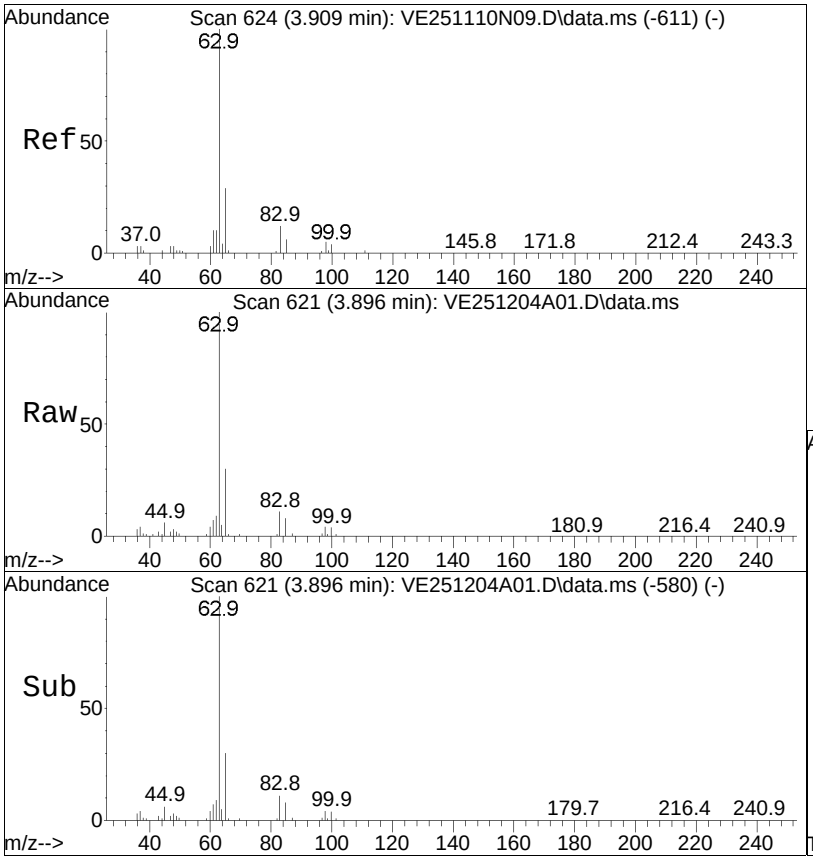


#21
Methyl tert-butyl ether
Concen: 8.46 ug/L
RT: 3.434 min Scan# 519
Delta R.T. -0.009 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 73 Resp: 95724

Ion	Ratio	Lower	Upper
73	100		
57	30.0	21.3	44.1
43	38.4	0.0	0.0#
41	41.2	30.0	62.2

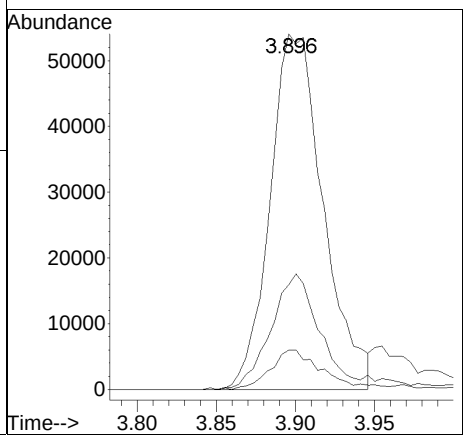


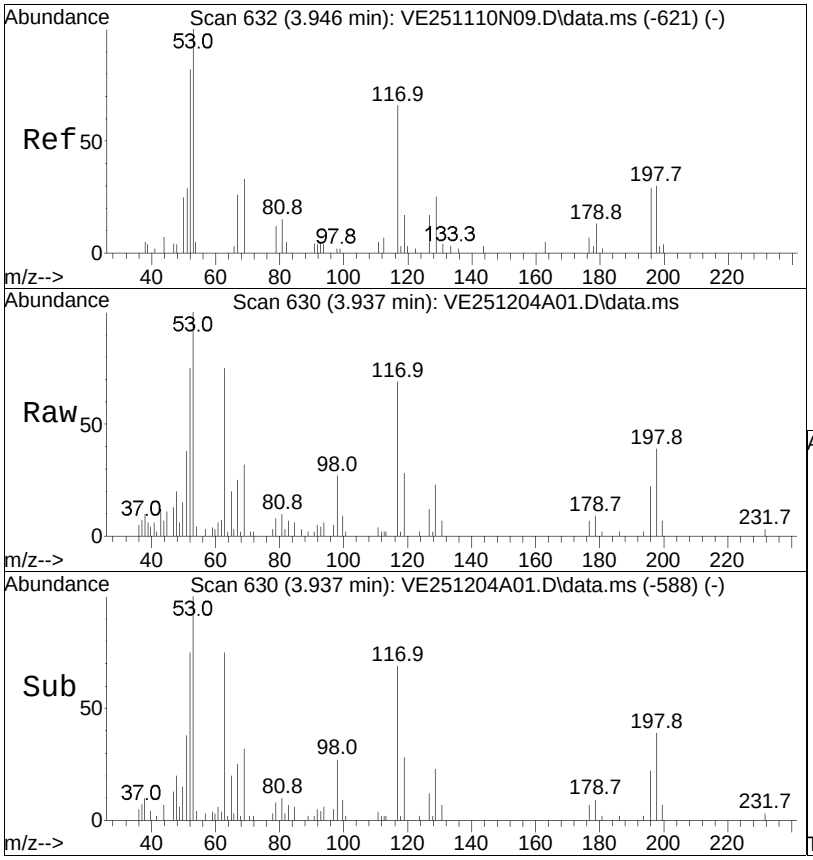


#25
1,1-Dichloroethane
Concen: 9.65 ug/L
RT: 3.896 min Scan# 621
Delta R.T. -0.013 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 63 Resp: 126462

Ion	Ratio	Lower	Upper
63	100		
65	29.6	8.6	48.6
83	11.0	0.0	30.7

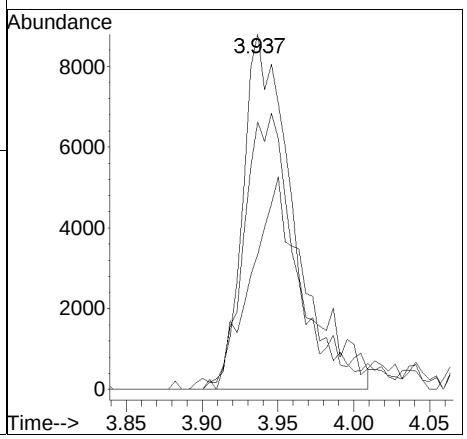


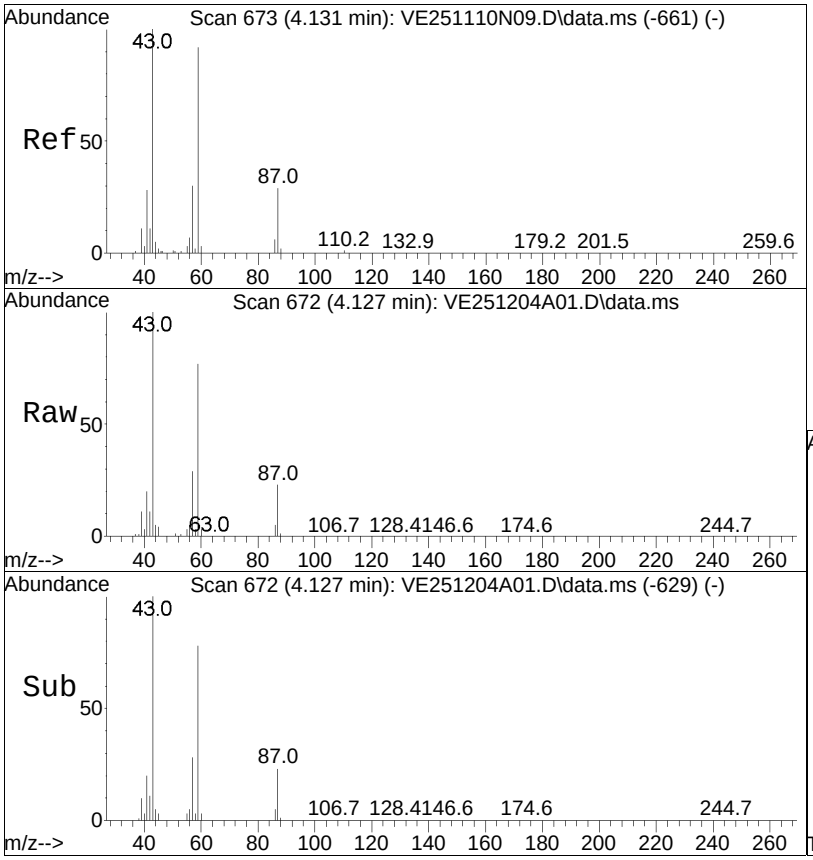


#27
Acrylonitrile
Concen: 9.43 ug/L
RT: 3.937 min Scan# 630
Delta R.T. -0.009 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 53 Resp: 20475

Ion	Ratio	Lower	Upper
53	100		
52	77.1	69.8	104.6
51	62.5	50.4	75.6

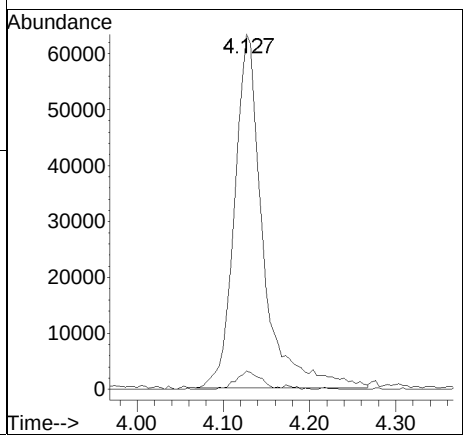


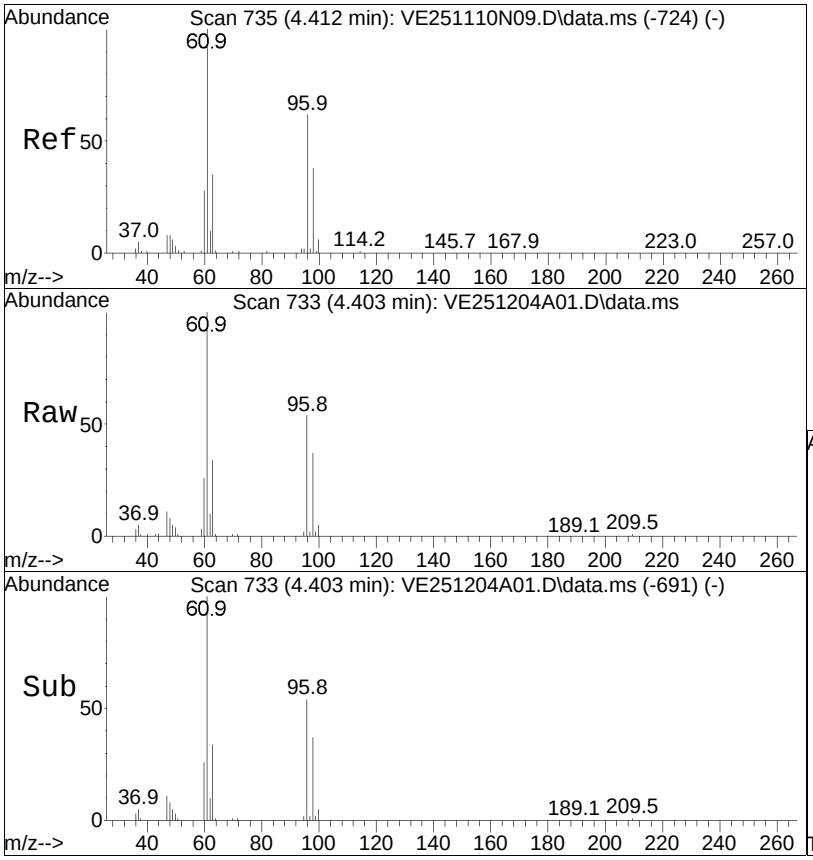


#29
Vinyl acetate
Concen: 9.70 ug/L
RT: 4.127 min Scan# 672
Delta R.T. -0.004 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 43 Resp: 144878

Ion	Ratio	Lower	Upper
43	100		
86	4.4	3.8	5.8

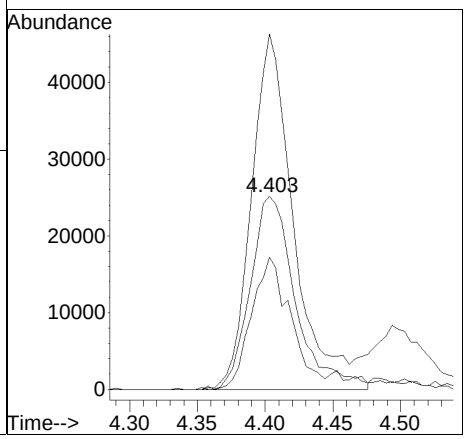


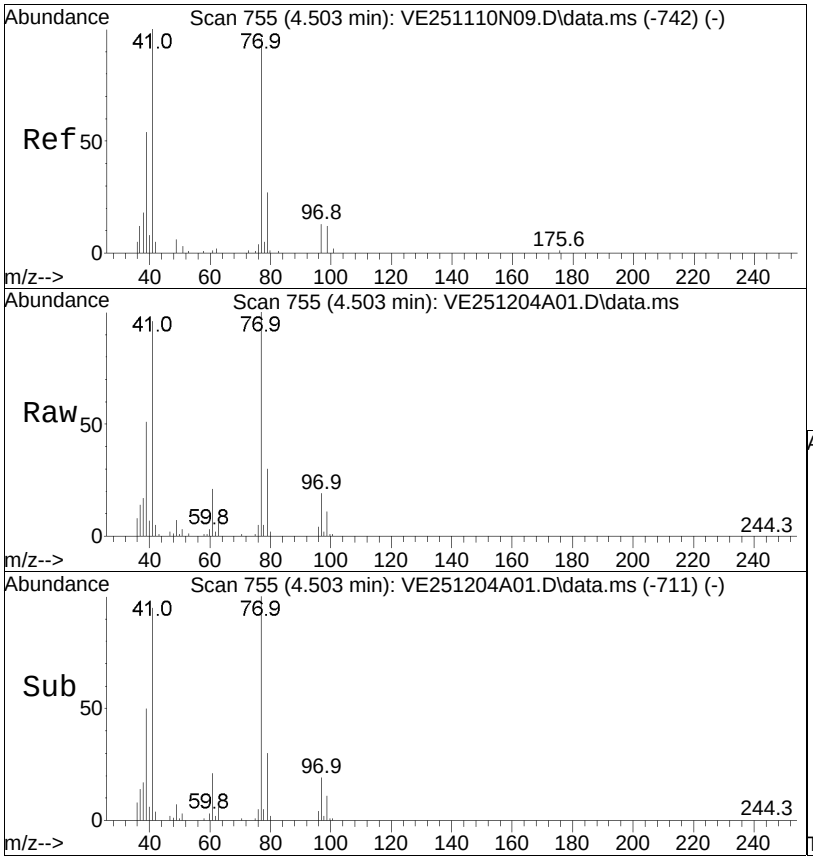


#30
cis-1,2-Dichloroethene
Concen: 10.02 ug/L
RT: 4.403 min Scan# 733
Delta R.T. -0.009 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 96 Resp: 58545

Ion	Ratio	Lower	Upper
96	100		
61	169.0	153.3	229.9
98	59.1	52.8	79.2

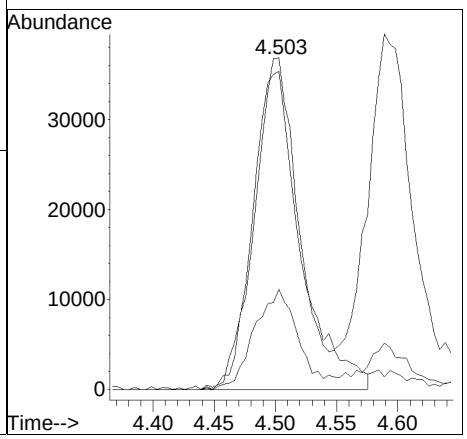


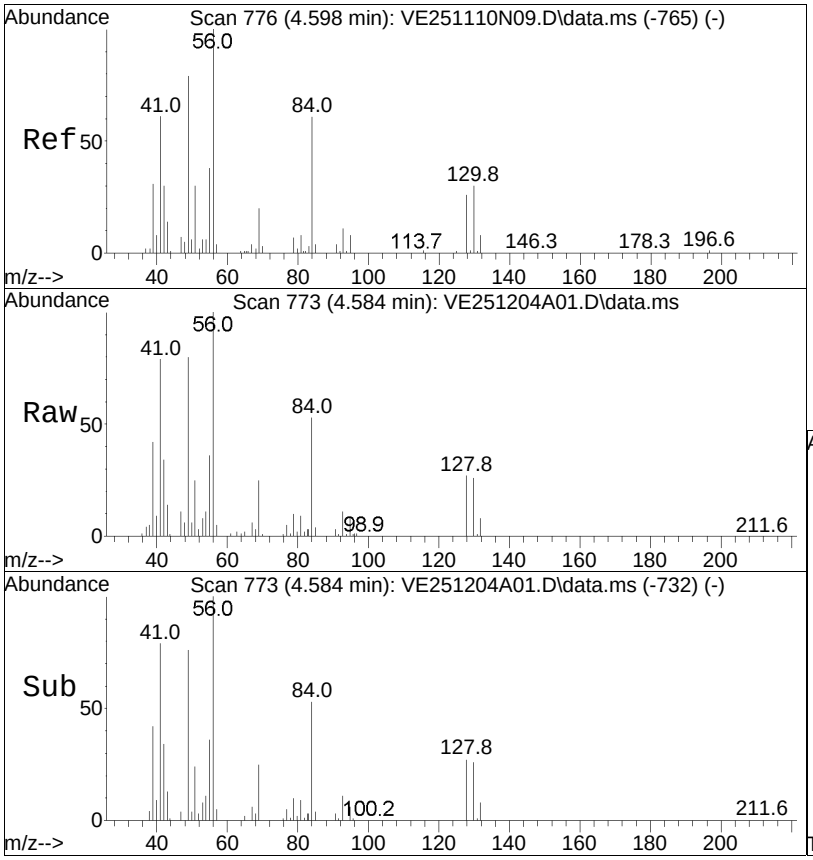


#31
2,2-Dichloropropane
Concen: 11.59 ug/L
RT: 4.503 min Scan# 755
Delta R.T. -0.000 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 77 Resp: 95687

Ion	Ratio	Lower	Upper
77	100		
41	96.4	64.5	134.1
79	29.2	20.8	43.2

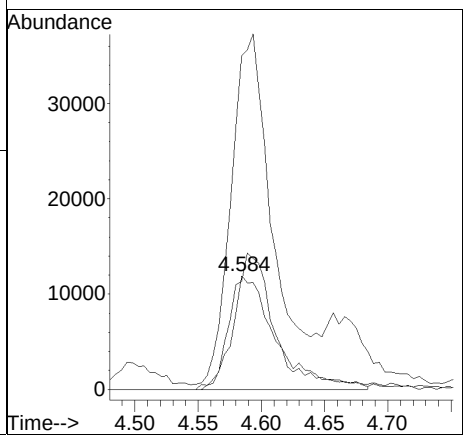


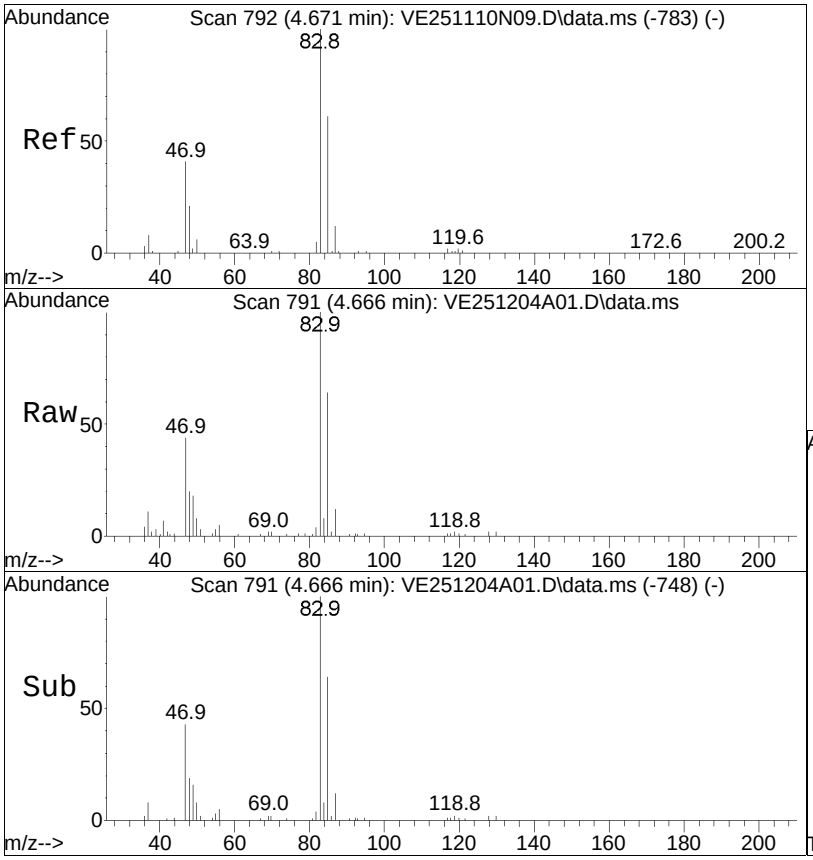


#33
Bromochloromethane
Concen: 11.14 ug/L
RT: 4.584 min Scan# 773
Delta R.T. -0.014 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:128 Resp: 28575

Ion	Ratio	Lower	Upper
128	100		
49	287.4	295.7	443.5#
130	124.7	101.9	152.9

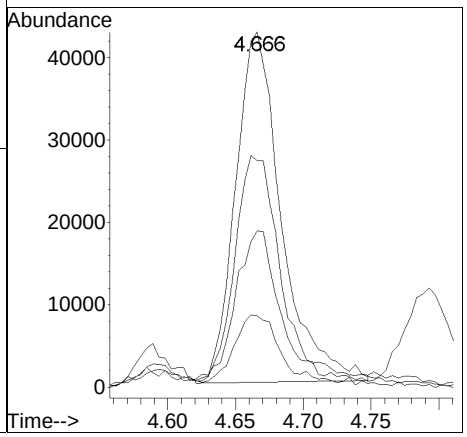


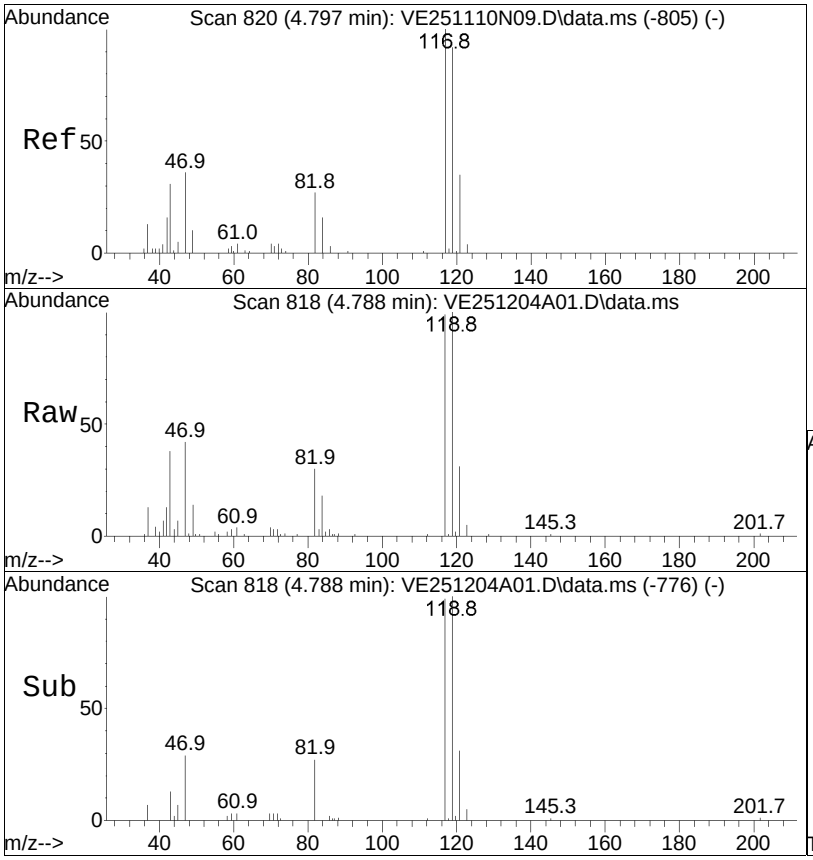


#35
Chloroform
Concen: 9.56 ug/L
RT: 4.666 min Scan# 791
Delta R.T. -0.005 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 83 Resp: 100336

Ion	Ratio	Lower	Upper
83	100		
85	68.1	42.4	88.2
47	39.6	23.7	49.3
48	19.3	14.4	29.8

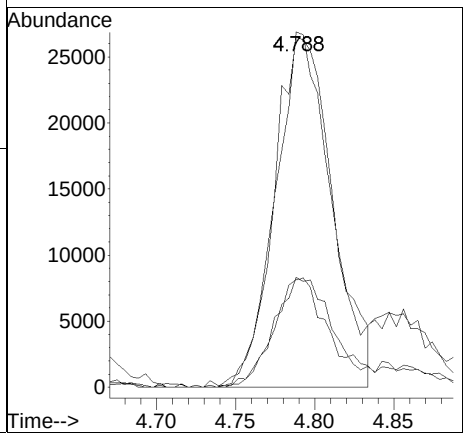


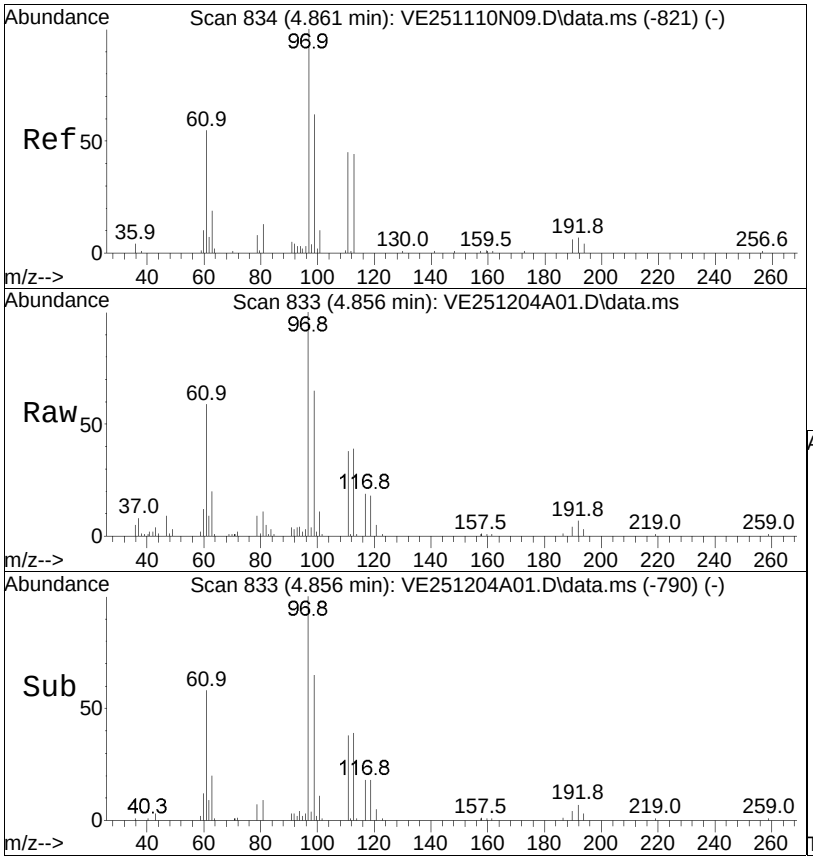


#37
Carbon tetrachloride
Concen: 11.09 ug/L
RT: 4.788 min Scan# 818
Delta R.T. -0.009 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:117 Resp: 69267

Ion	Ratio	Lower	Upper
117	100		
119	92.3	74.8	155.4
121	31.2	23.5	48.7
82	28.8	22.5	46.7

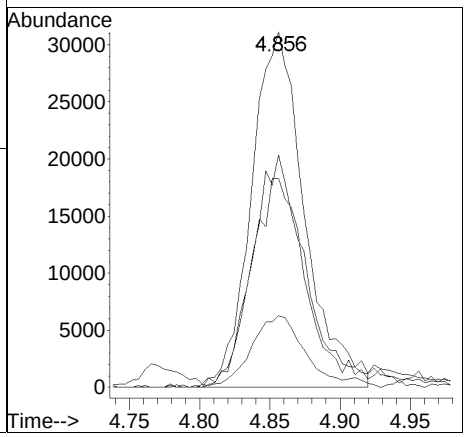


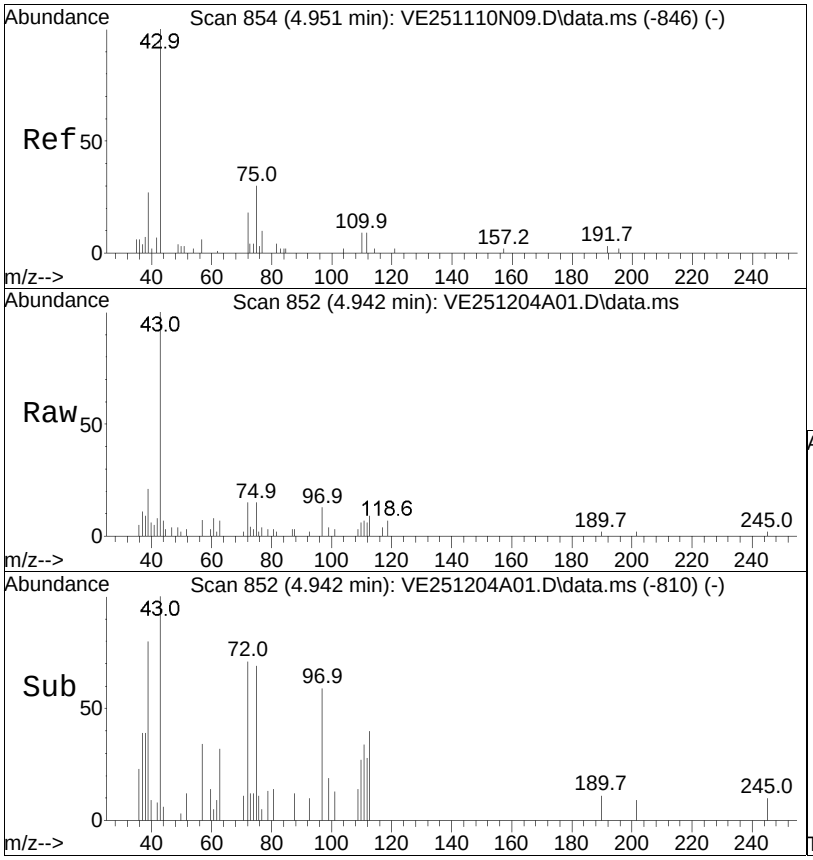


#40
1,1,1-Trichloroethane
Concen: 10.39 ug/L
RT: 4.856 min Scan# 833
Delta R.T. -0.005 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 97 Resp: 82047

Ion	Ratio	Lower	Upper
97	100		
99	65.1	40.7	84.5
61	58.1	40.5	84.1
63	20.0	11.8	24.6

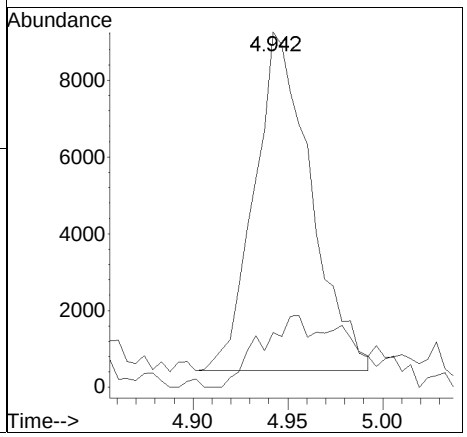


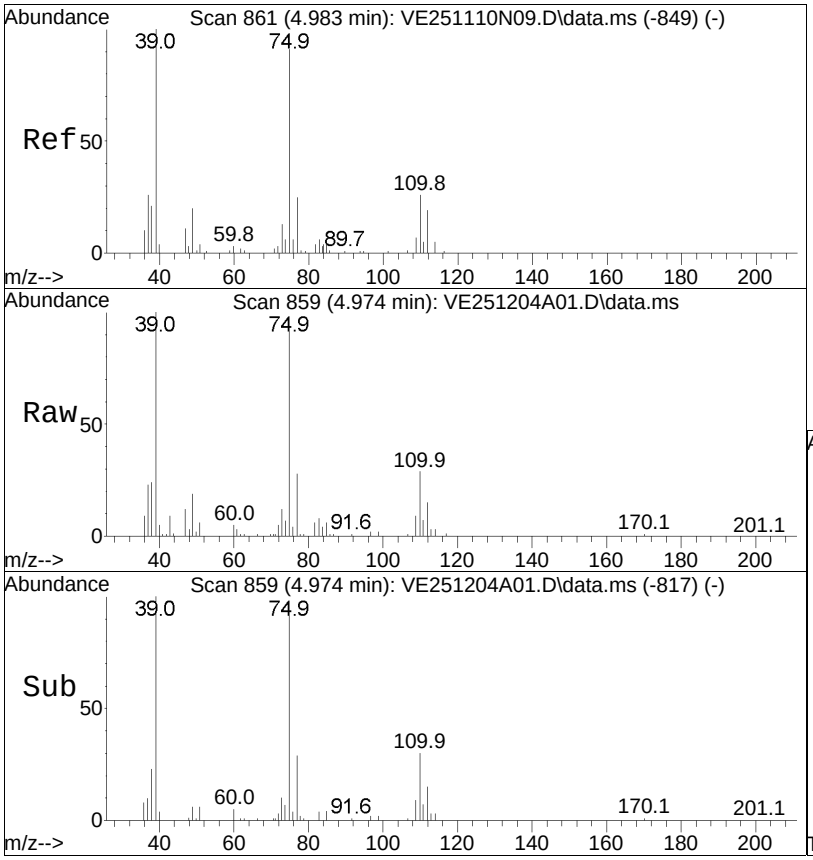


#42
2-Butanone
Concen: 7.28 ug/L
RT: 4.942 min Scan# 852
Delta R.T. -0.009 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 43 Resp: 18311

Ion	Ratio	Lower	Upper
43	100		
72	21.6	22.8	34.2#

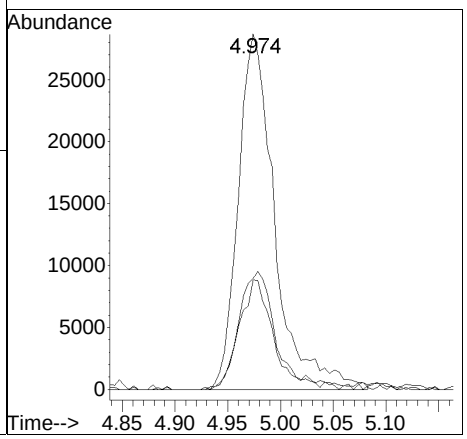


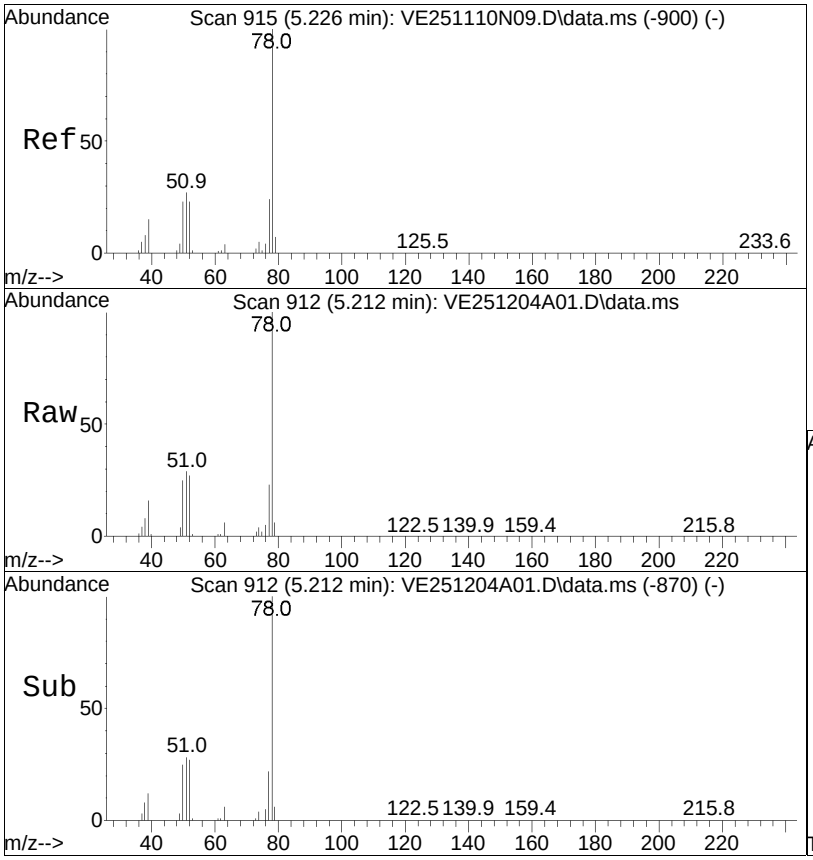


#43
1,1-Dichloropropene
Concen: 10.39 ug/L
RT: 4.974 min Scan# 859
Delta R.T. -0.009 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 75 Resp: 69403

Ion	Ratio	Lower	Upper
75	100		
110	32.7	20.5	42.7
77	27.8	20.0	41.6

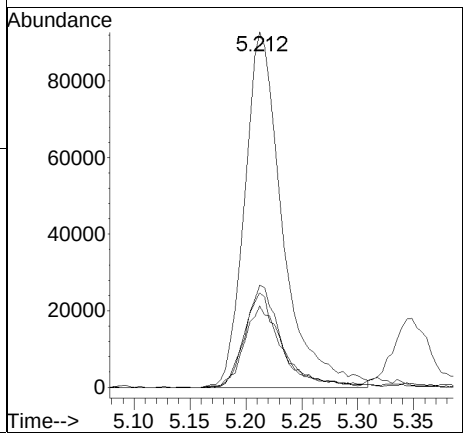


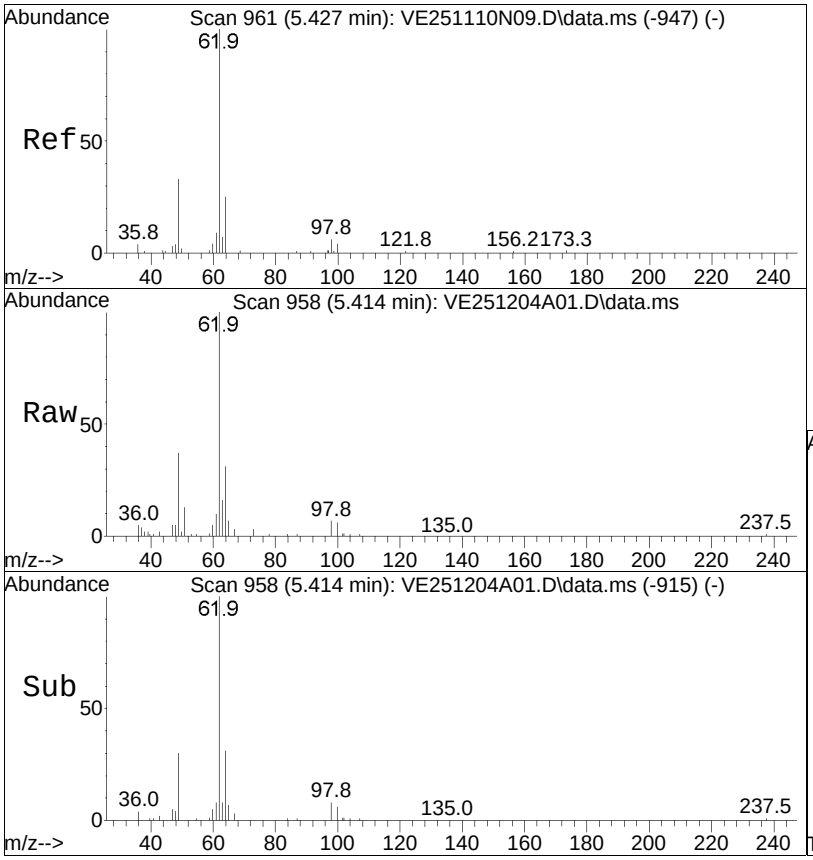


#45
Benzene
Concen: 10.34 ug/L
RT: 5.212 min Scan# 912
Delta R.T. -0.014 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 78 Resp: 219211

Ion	Ratio	Lower	Upper
78	100		
77	23.4	15.7	32.7
51	27.9	17.1	35.5
52	26.0	16.2	33.6

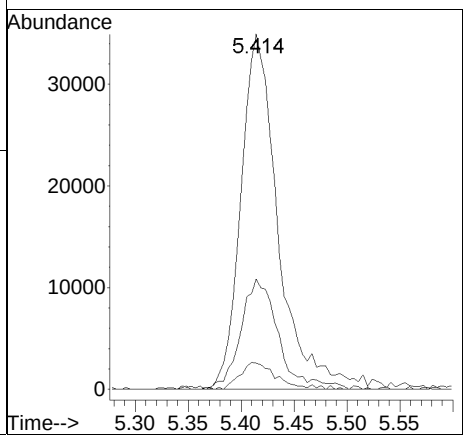


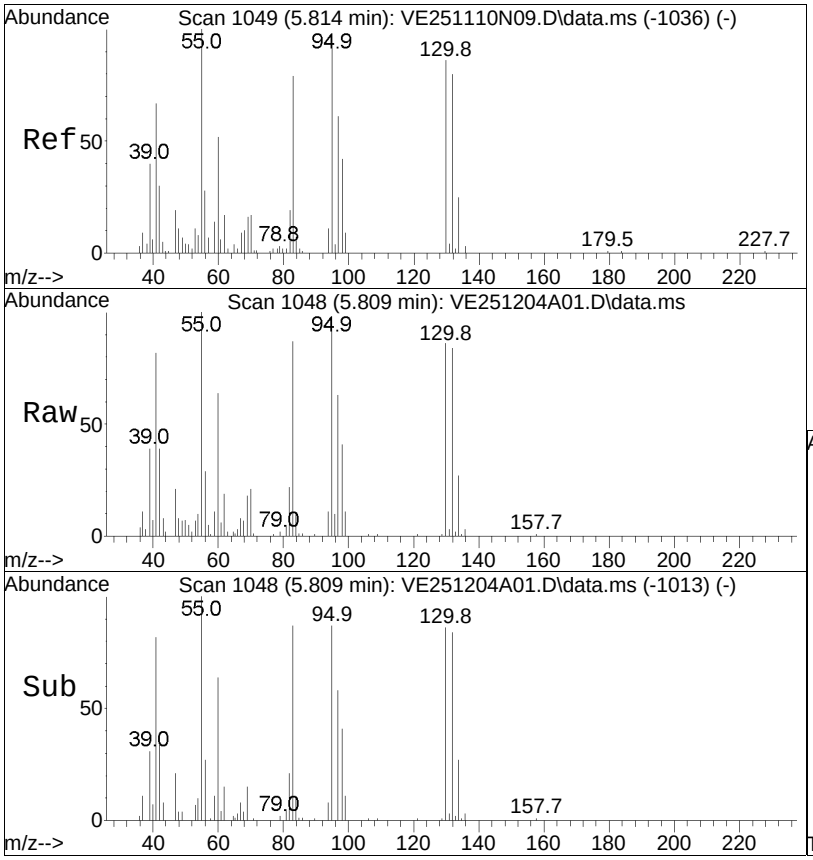


#48
1,2-Dichloroethane
Concen: 9.80 ug/L
RT: 5.414 min Scan# 958
Delta R.T. -0.013 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 62 Resp: 85885

Ion	Ratio	Lower	Upper
62	100		
64	31.3	10.9	50.9
98	7.2	0.0	27.2

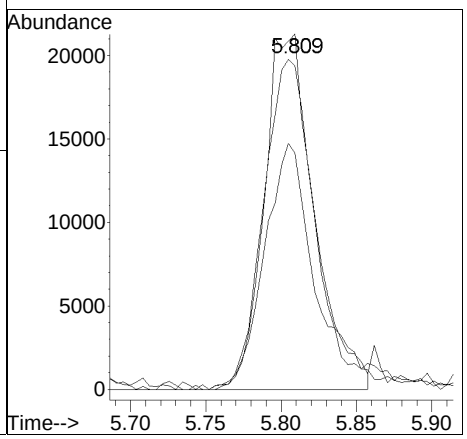


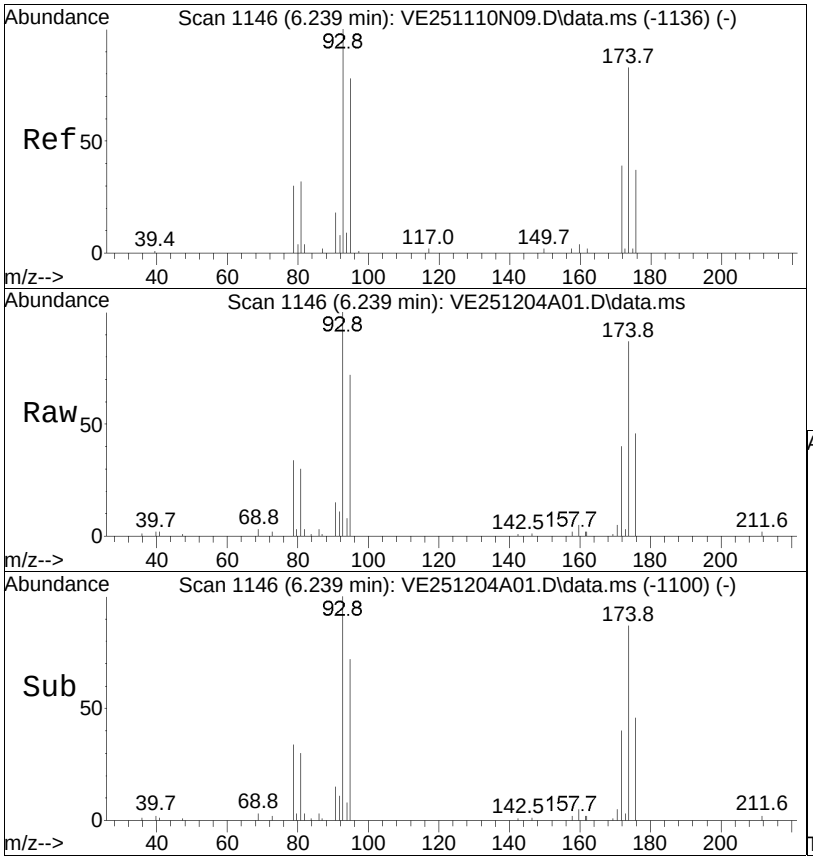


#52
Trichloroethene
Concen: 9.77 ug/L
RT: 5.809 min Scan# 1048
Delta R.T. -0.005 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 95 Resp: 49933

Ion	Ratio	Lower	Upper
95	100		
97	69.0	54.4	81.6
130	97.5	73.7	110.5

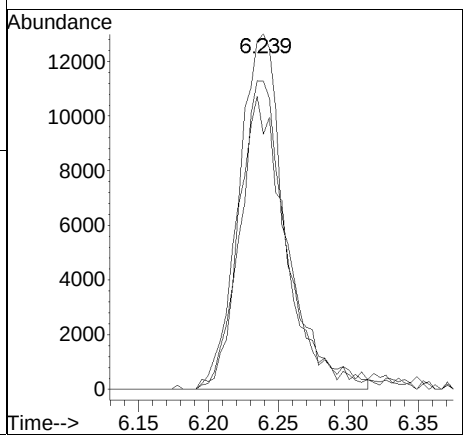


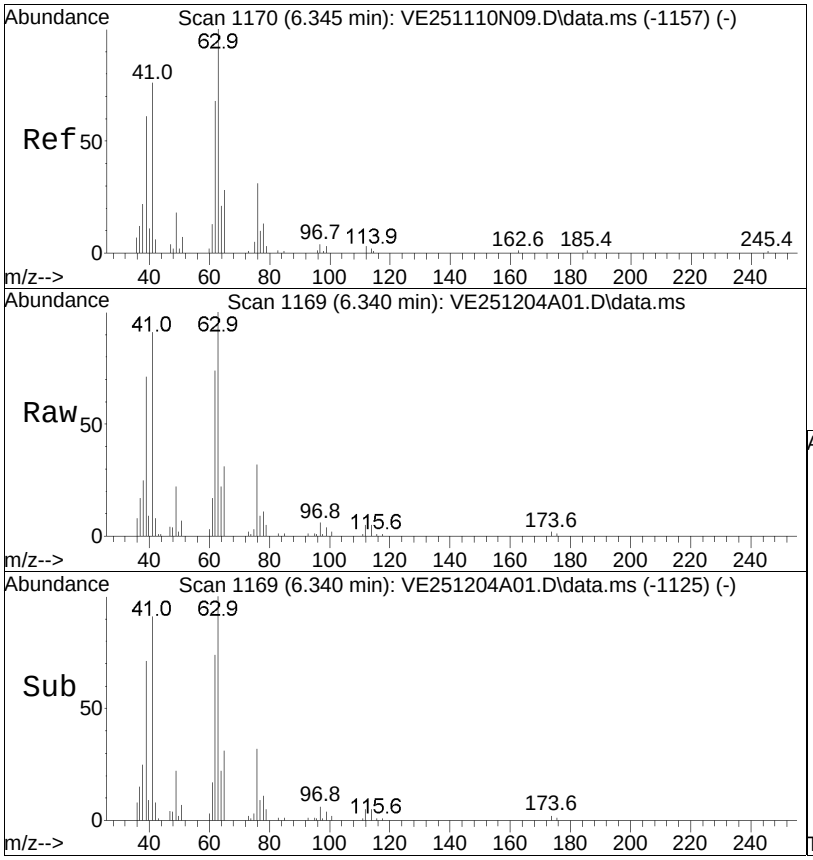


#54
Dibromomethane
Concen: 9.76 ug/L
RT: 6.239 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 93 Resp: 30726

Ion	Ratio	Lower	Upper
93	100		
95	82.2	67.4	101.0
174	84.1	64.7	97.1

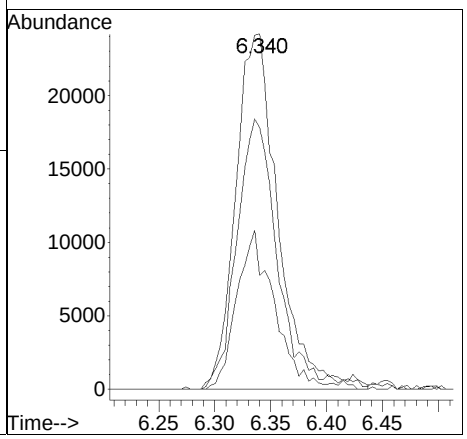


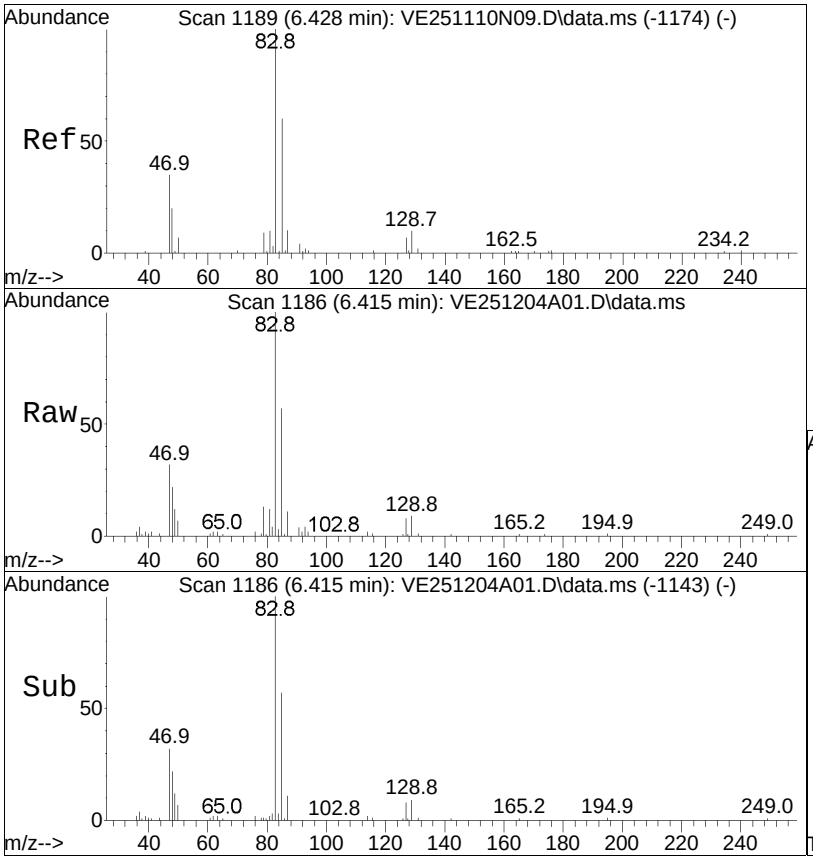


#55
1,2-Dichloropropane
Concen: 9.51 ug/L
RT: 6.340 min Scan# 1169
Delta R.T. -0.005 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 63 Resp: 63853

Ion	Ratio	Lower	Upper
63	100		
62	71.6	57.2	85.8
76	39.7	28.4	42.6

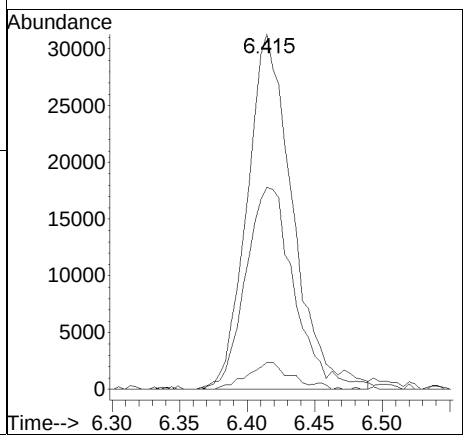


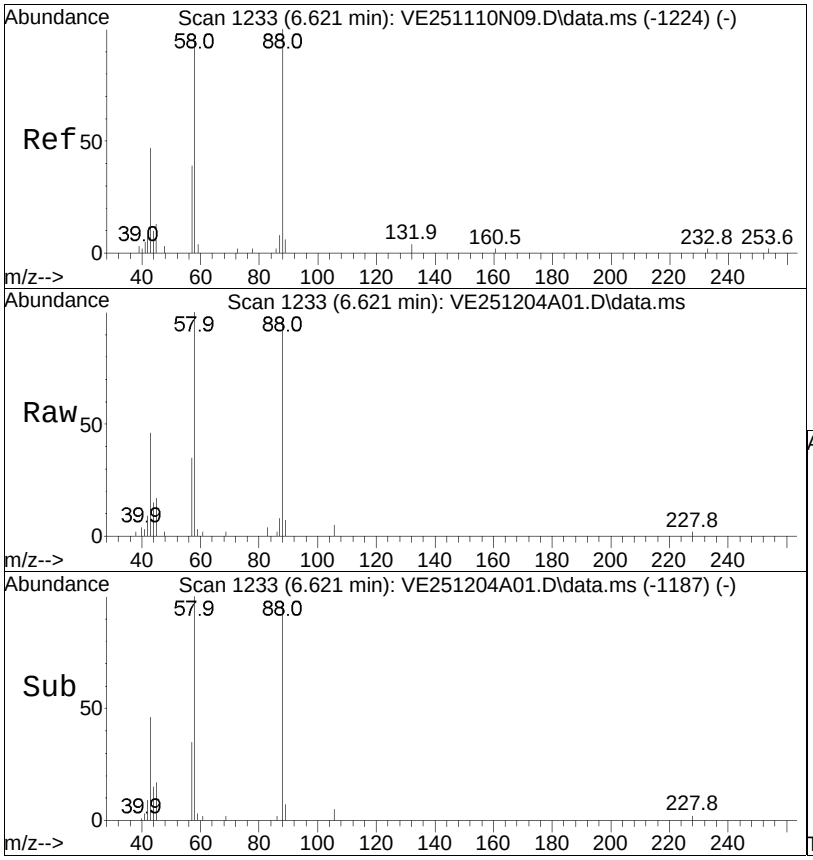


#58
Bromodichloromethane
Concen: 10.10 ug/L
RT: 6.415 min Scan# 1186
Delta R.T. -0.013 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 83 Resp: 73448

Ion	Ratio	Lower	Upper
83	100		
85	61.7	53.9	80.9
127	6.9	6.2	9.4

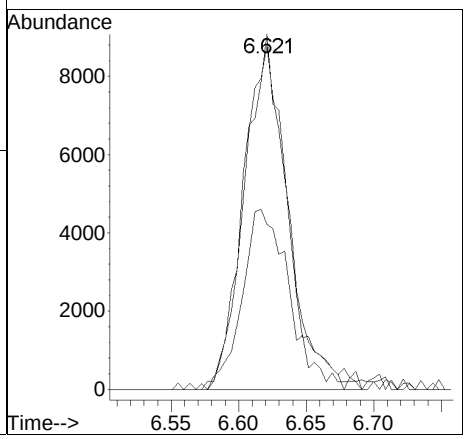


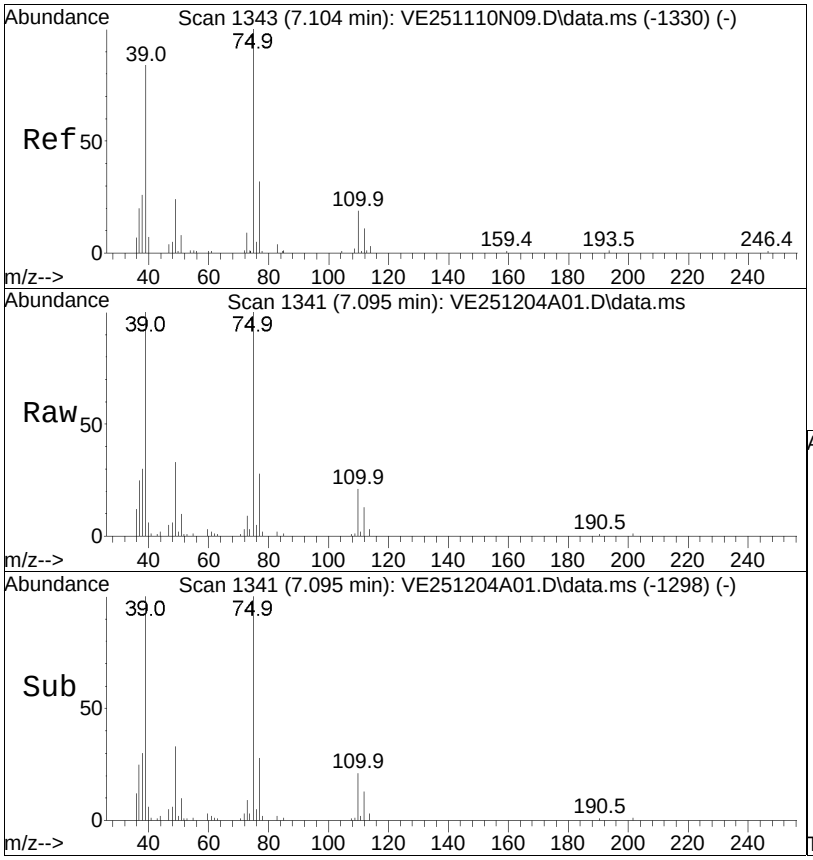


#61
1,4-Dioxane
Concen: 502.14 ug/L
RT: 6.621 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 88 Resp: 20406

Ion	Ratio	Lower	Upper
88	100		
58	98.7	76.1	114.1
43	54.9	41.8	62.8

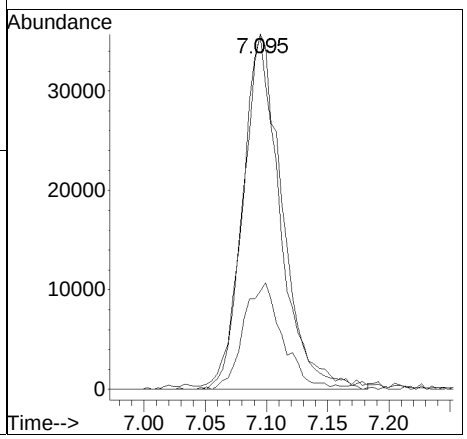


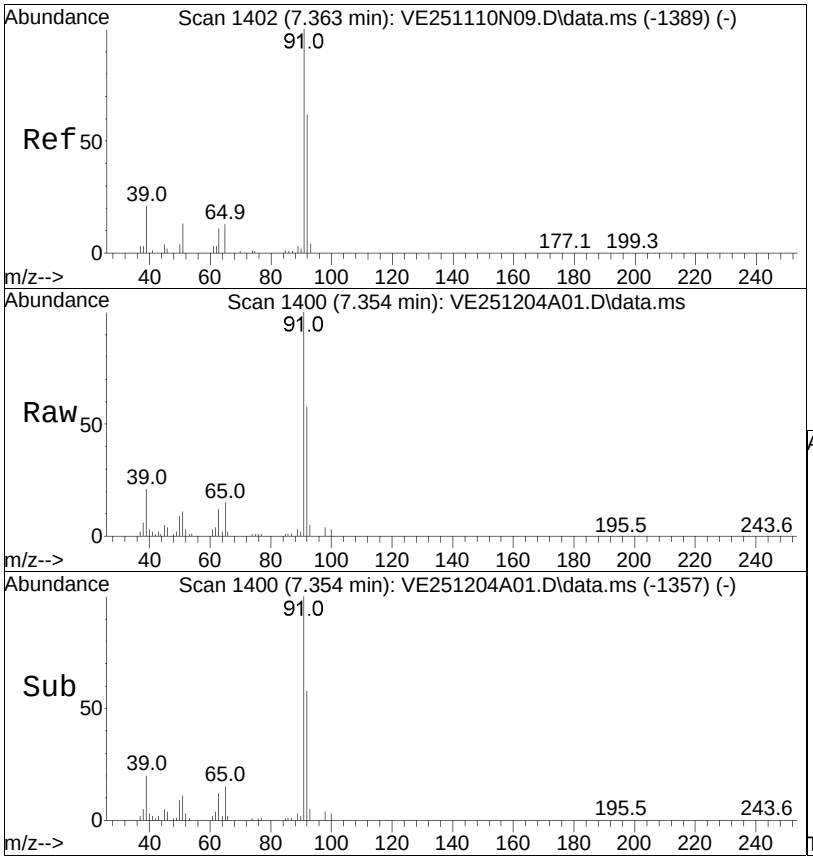


#62
cis-1,3-Dichloropropene
Concen: 9.98 ug/L
RT: 7.095 min Scan# 1341
Delta R.T. -0.009 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 75 Resp: 79790

Ion	Ratio	Lower	Upper
75	100		
77	30.4	26.0	39.0
39	92.2	74.6	112.0

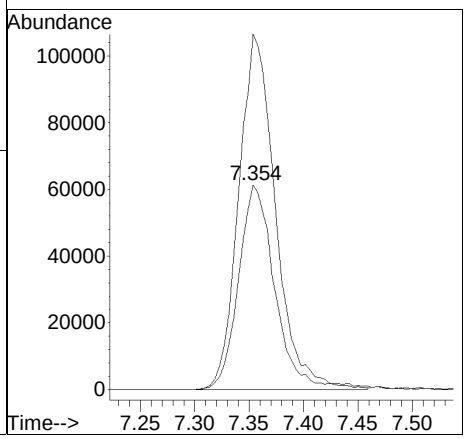


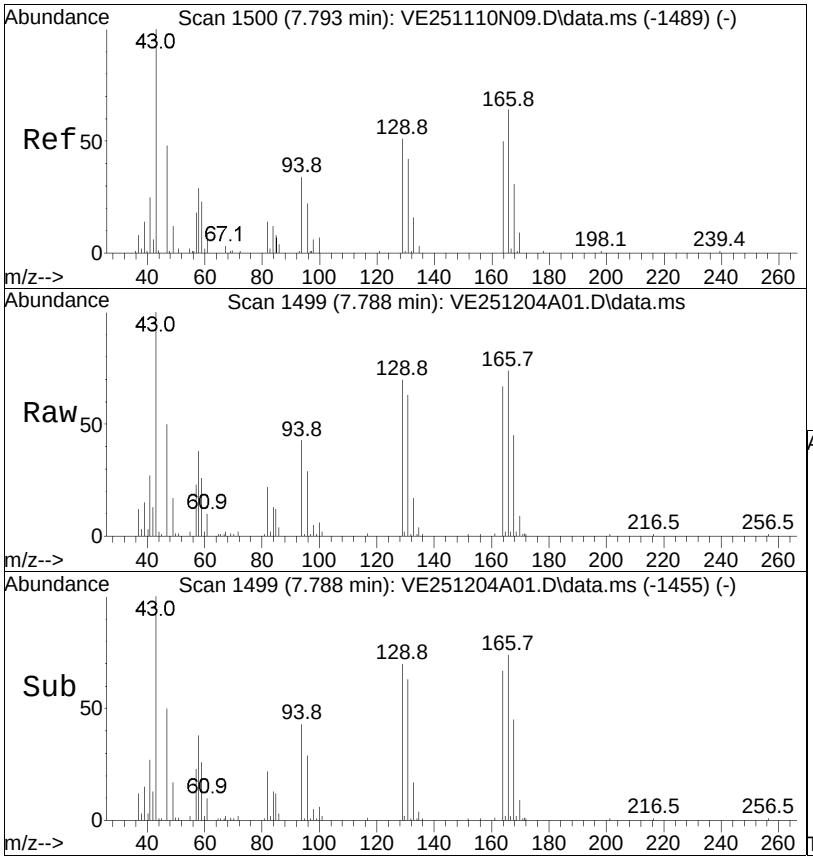


#65
Toluene
Concen: 10.53 ug/L
RT: 7.354 min Scan# 1400
Delta R.T. -0.009 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 92 Resp: 141898

Ion	Ratio	Lower	Upper
92	100		
91	176.8	136.4	204.6

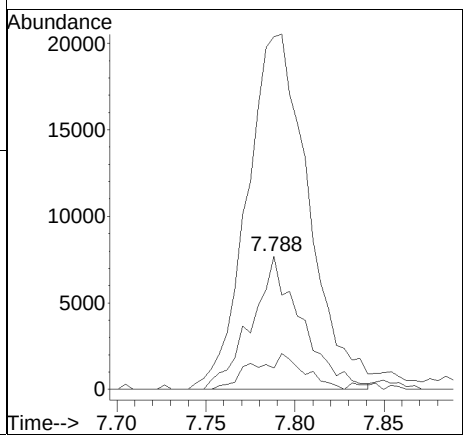


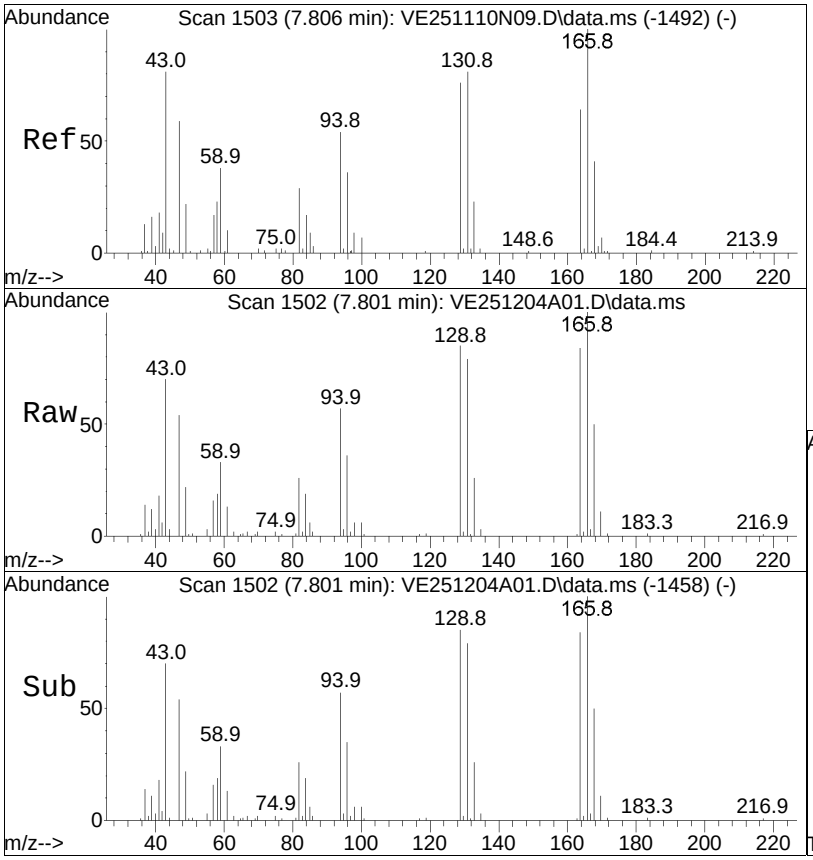


#66
4-Methyl-2-pentanone
Concen: 8.75 ug/L
RT: 7.788 min Scan# 1499
Delta R.T. -0.005 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 58 Resp: 15246

Ion	Ratio	Lower	Upper
58	100		
100	14.0	23.0	34.6#
43	324.5	270.1	405.1

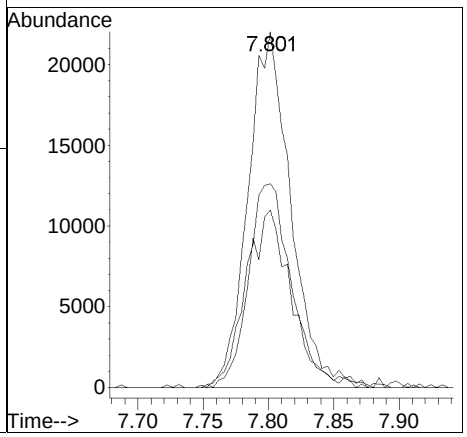


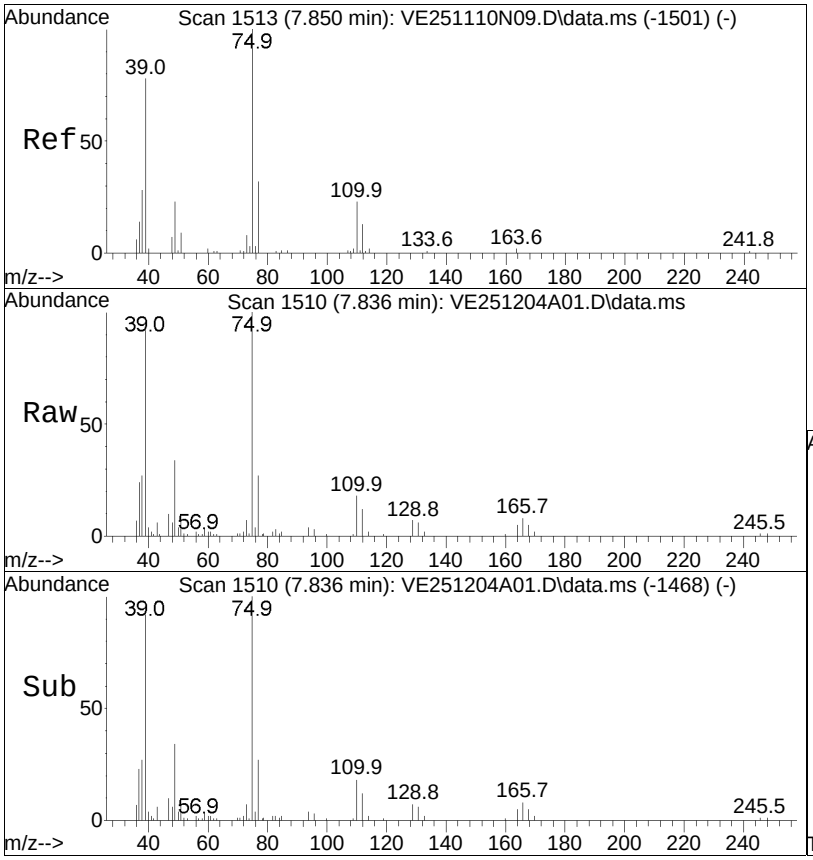


#67
Tetrachloroethene
Concen: 10.46 ug/L
RT: 7.801 min Scan# 1502
Delta R.T. -0.005 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:166 Resp: 50263

Ion	Ratio	Lower	Upper
166	100		
168	49.9	27.8	67.8
94	60.7	38.7	78.7

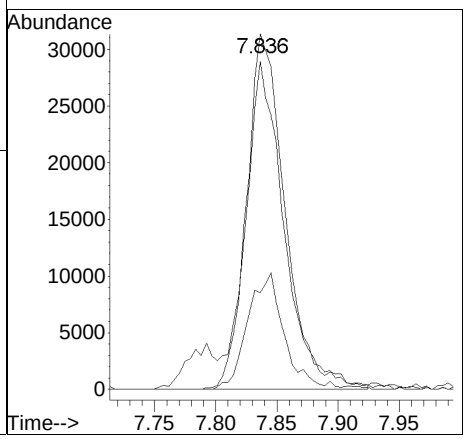


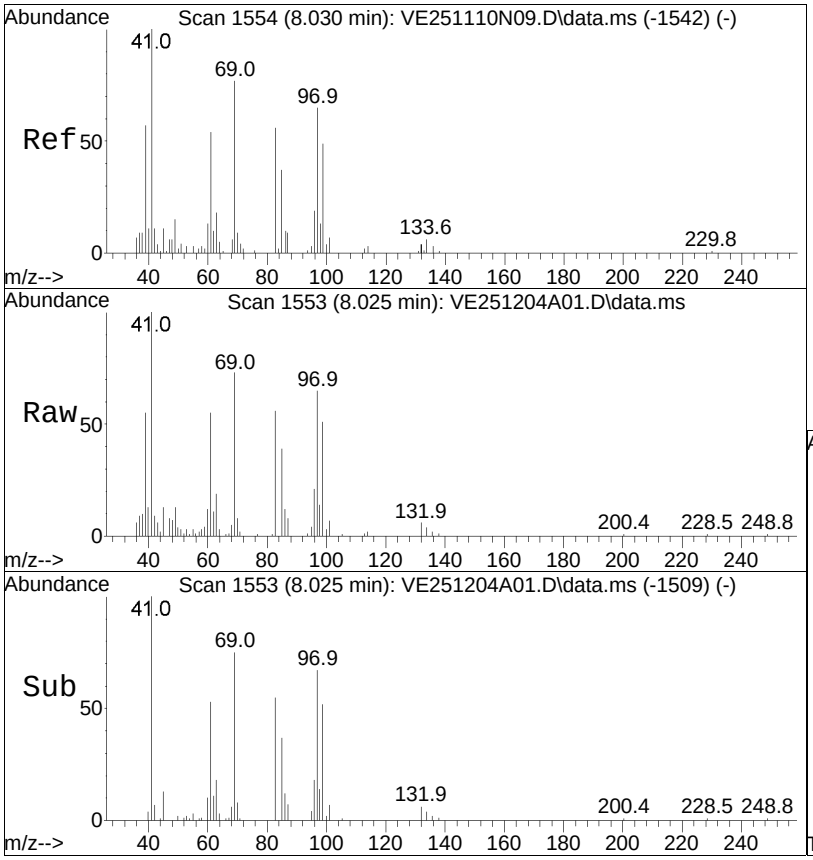


#69
trans-1,3-Dichloropropene
Concen: 8.57 ug/L
RT: 7.836 min Scan# 1510
Delta R.T. -0.014 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 75 Resp: 69131

Ion	Ratio	Lower	Upper
75	100		
77	30.3	10.9	50.9
39	82.5	68.1	108.1

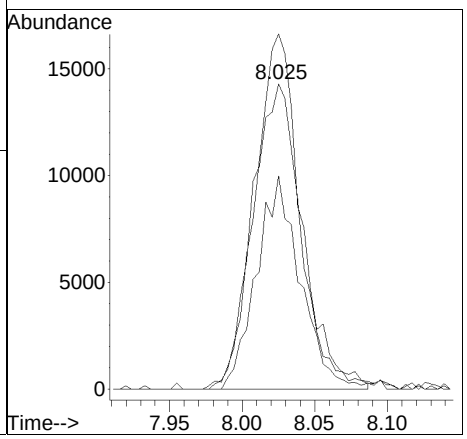


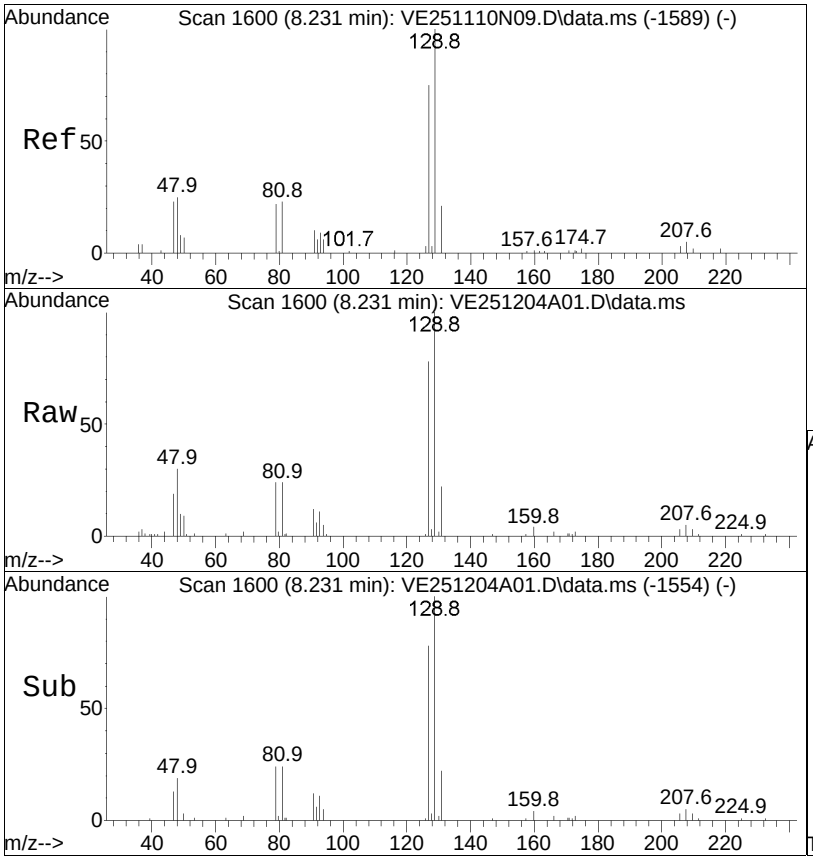


#72
1,1,2-Trichloroethane
Concen: 9.58 ug/L
RT: 8.025 min Scan# 1553
Delta R.T. -0.005 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 83 Resp: 33570

Ion	Ratio	Lower	Upper
83	100		
97	110.7	93.5	133.5
85	62.5	45.2	85.2

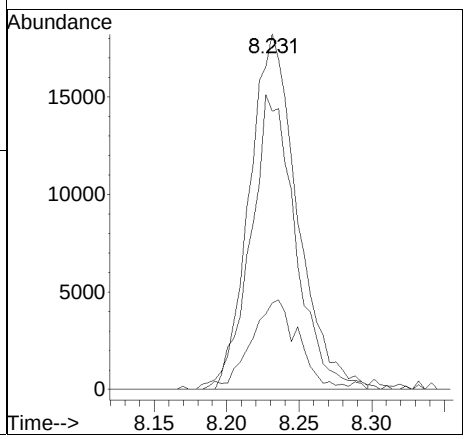


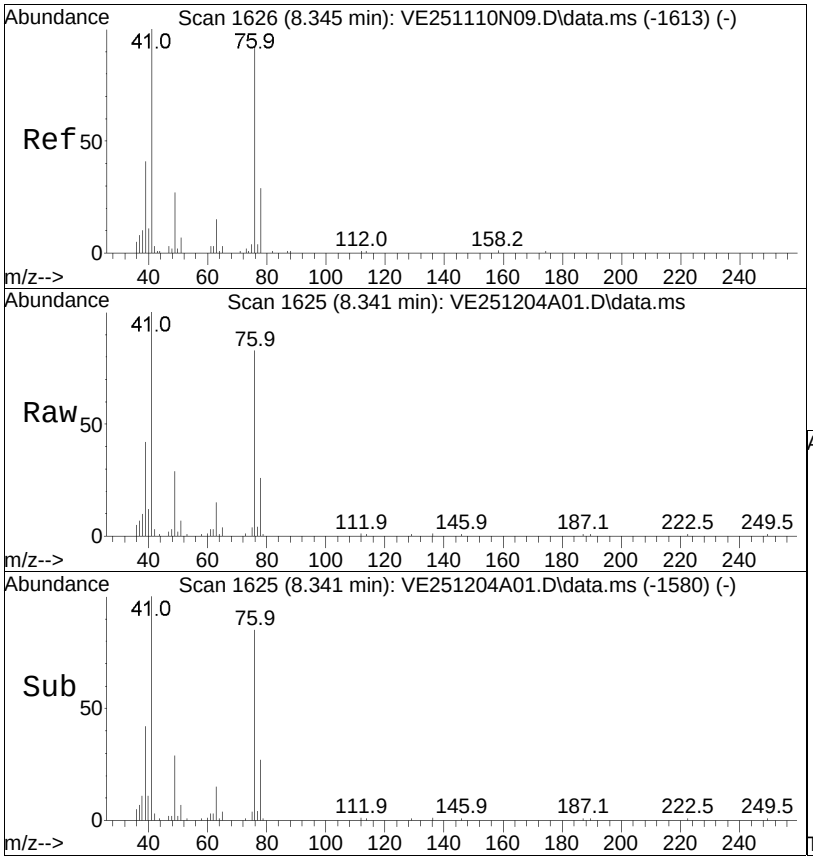


#73
Chlorodibromomethane
Concen: 8.95 ug/L
RT: 8.231 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:129 Resp: 42185

Ion	Ratio	Lower	Upper
129	100		
81	24.9	4.8	44.8
127	77.3	56.3	96.3

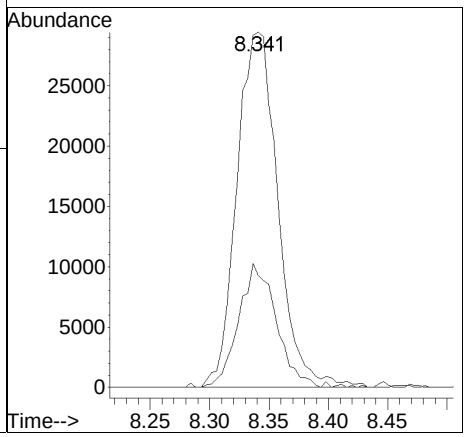


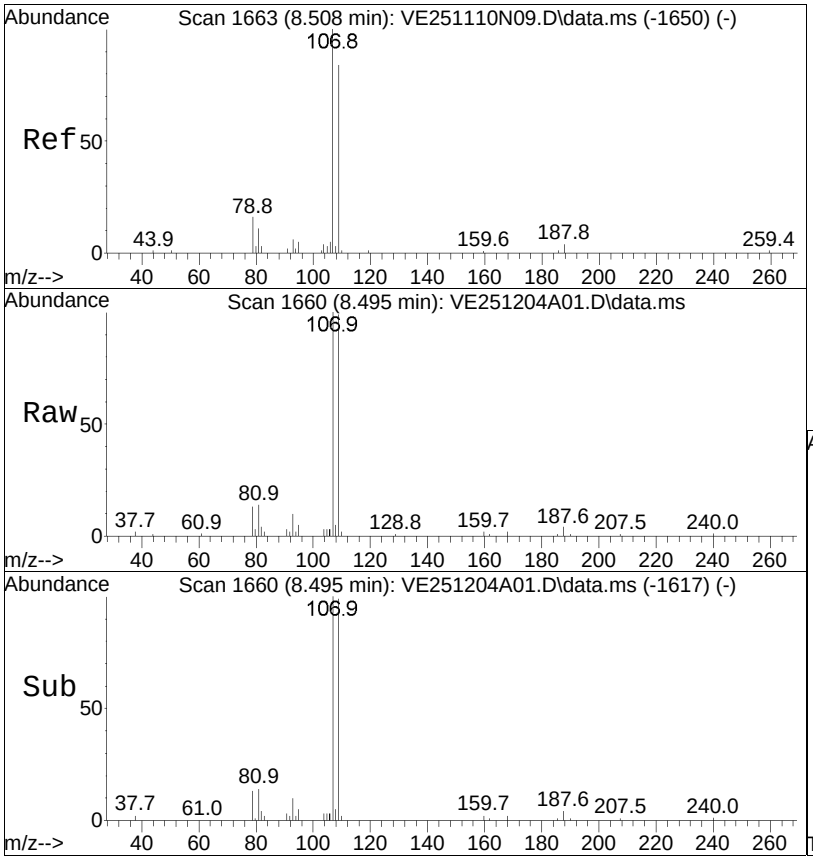


#74
1,3-Dichloropropane
Concen: 9.12 ug/L
RT: 8.341 min Scan# 1625
Delta R.T. -0.004 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 76 Resp: 70943

Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.2	39.4

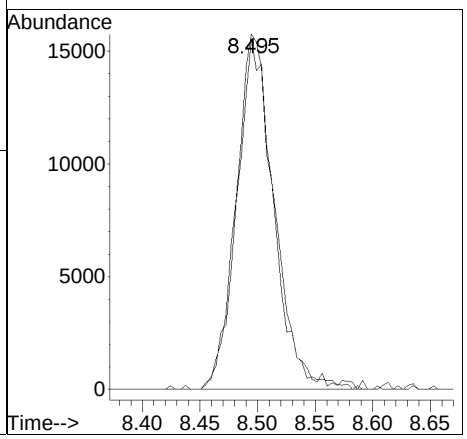


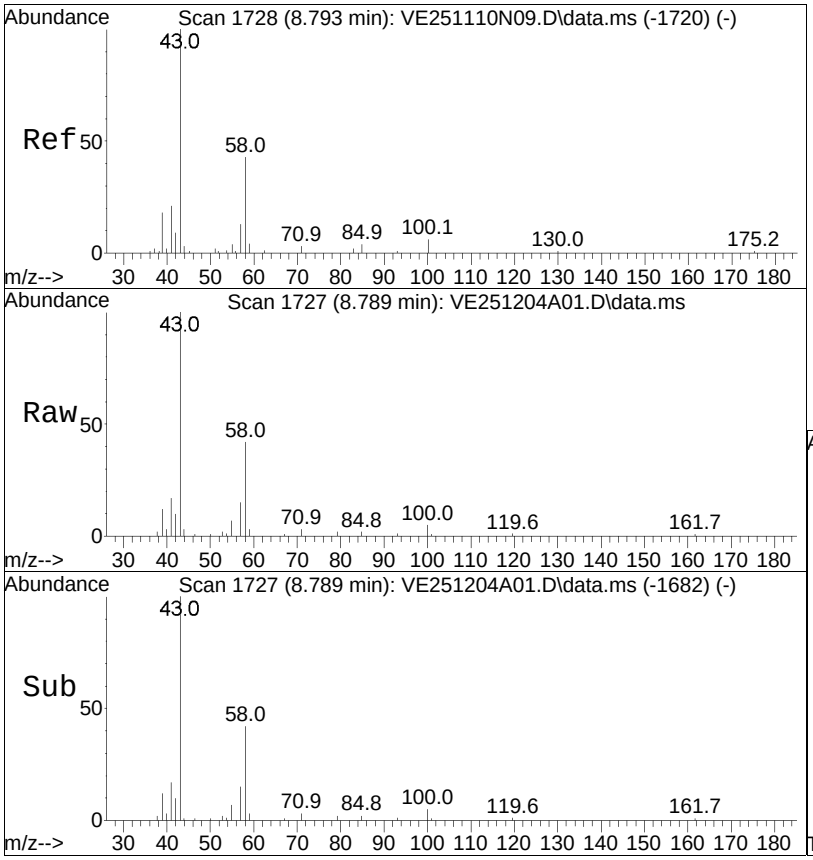


#75
1,2-Dibromoethane
Concen: 8.75 ug/L
RT: 8.495 min Scan# 1660
Delta R.T. -0.013 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:107 Resp: 36351

Ion	Ratio	Lower	Upper
107	100		
109	93.6	73.0	109.6

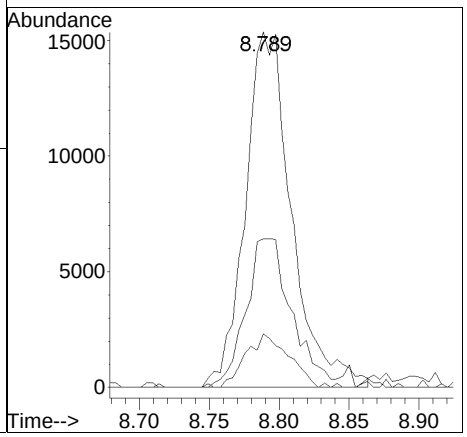


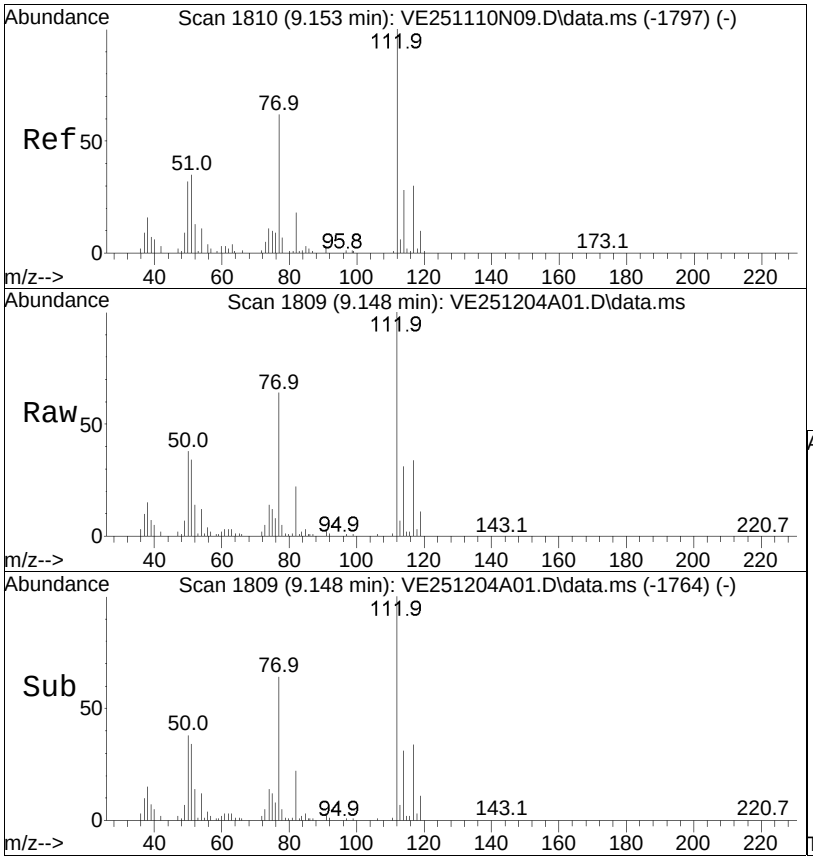


#77
2-Hexanone
Concen: 8.48 ug/L
RT: 8.789 min Scan# 1727
Delta R.T. -0.004 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 43 Resp: 35412

Ion	Ratio	Lower	Upper
43	100		
58	41.1	34.3	51.5
57	13.9	12.5	18.7

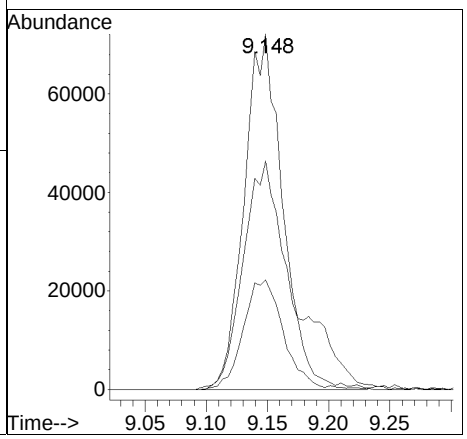


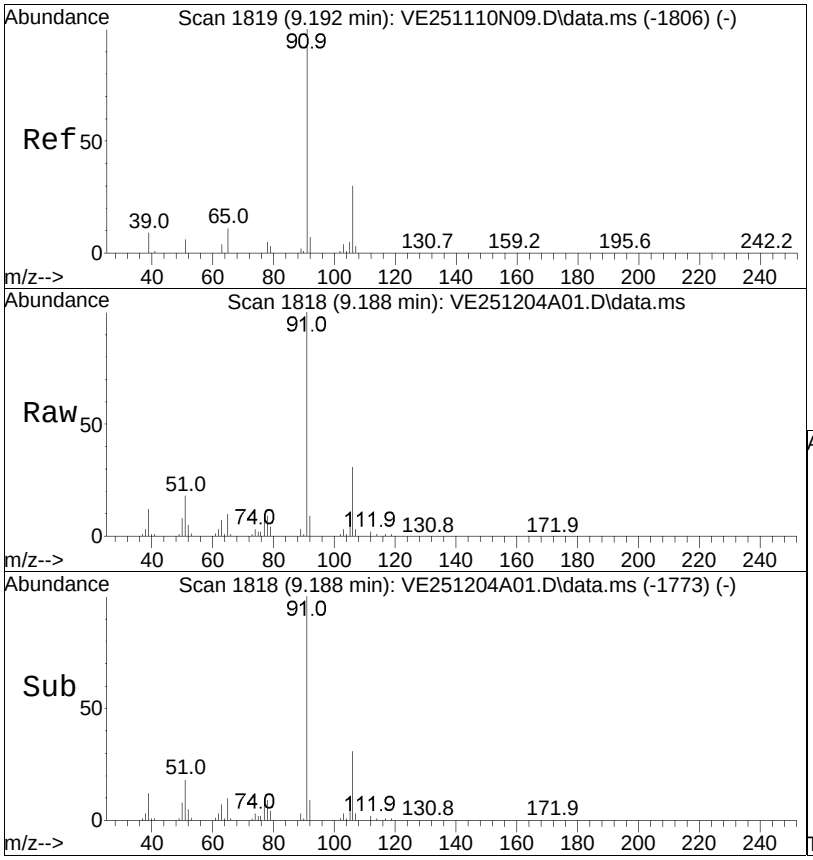


#78
Chlorobenzene
Concen: 10.49 ug/L
RT: 9.148 min Scan# 1809
Delta R.T. -0.005 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:112 Resp: 158232

Ion	Ratio	Lower	Upper
112	100		
77	83.6	67.3	100.9
114	31.8	25.6	38.4

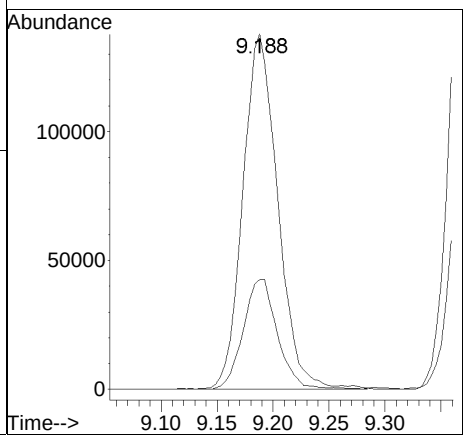


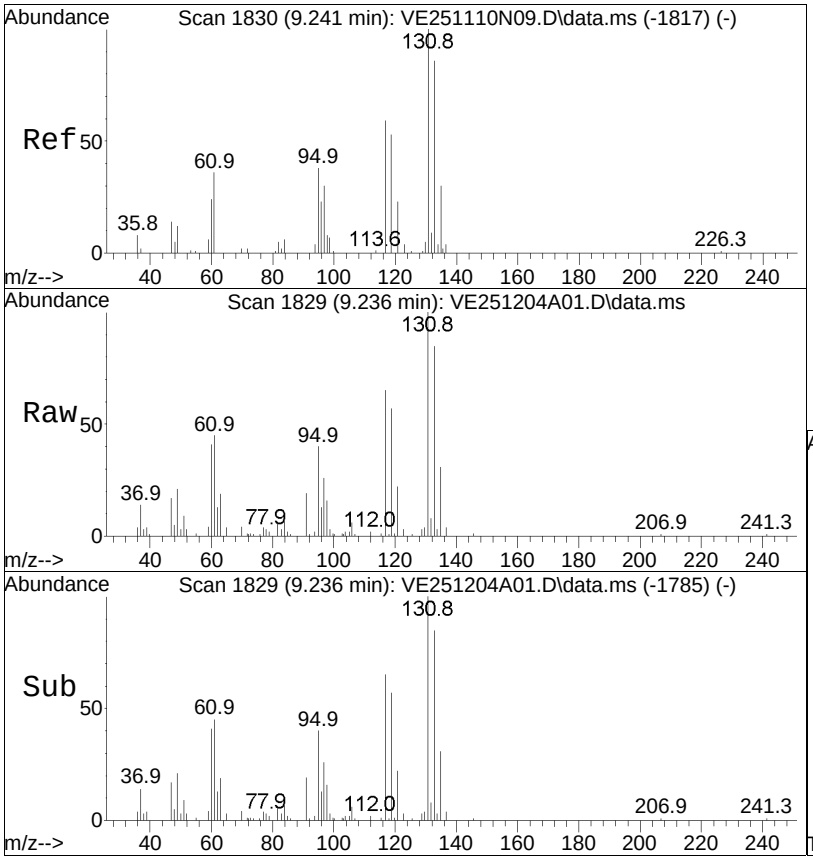


#79
Ethylbenzene
Concen: 10.58 ug/L
RT: 9.188 min Scan# 1818
Delta R.T. -0.004 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 91 Resp: 297972

Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.4	35.0

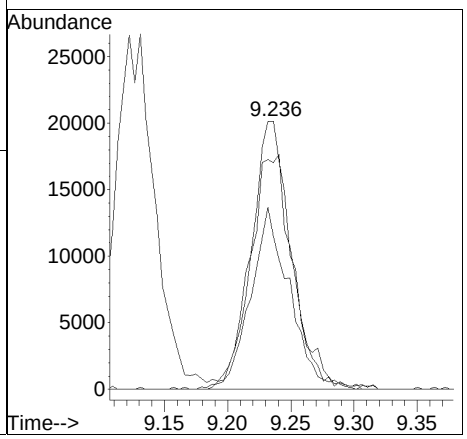


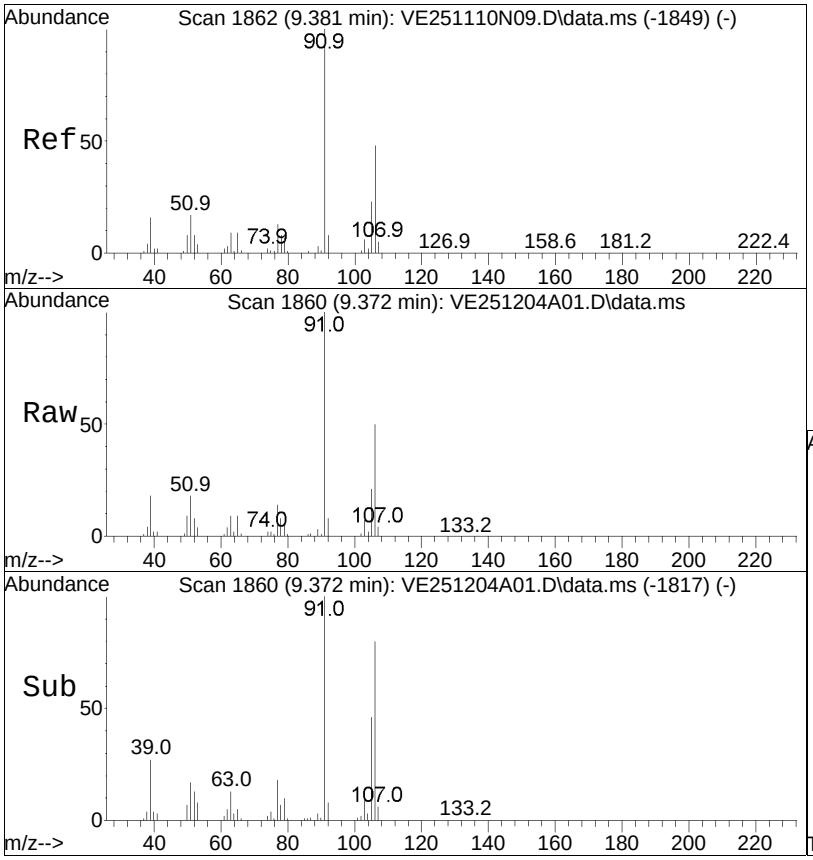


#80
1,1,1,2-Tetrachloroethane
Concen: 9.80 ug/L
RT: 9.236 min Scan# 1829
Delta R.T. -0.005 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:131 Resp: 44793

Ion	Ratio	Lower	Upper
131	100		
133	93.5	72.9	112.9
119	65.0	43.8	83.8

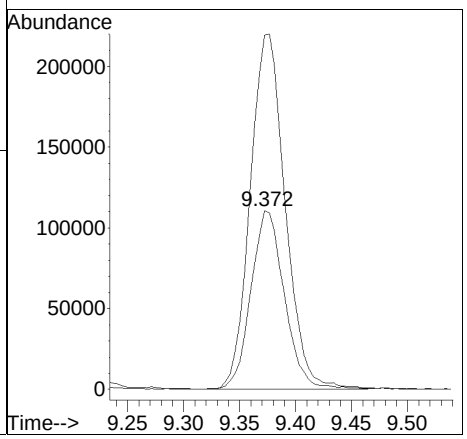


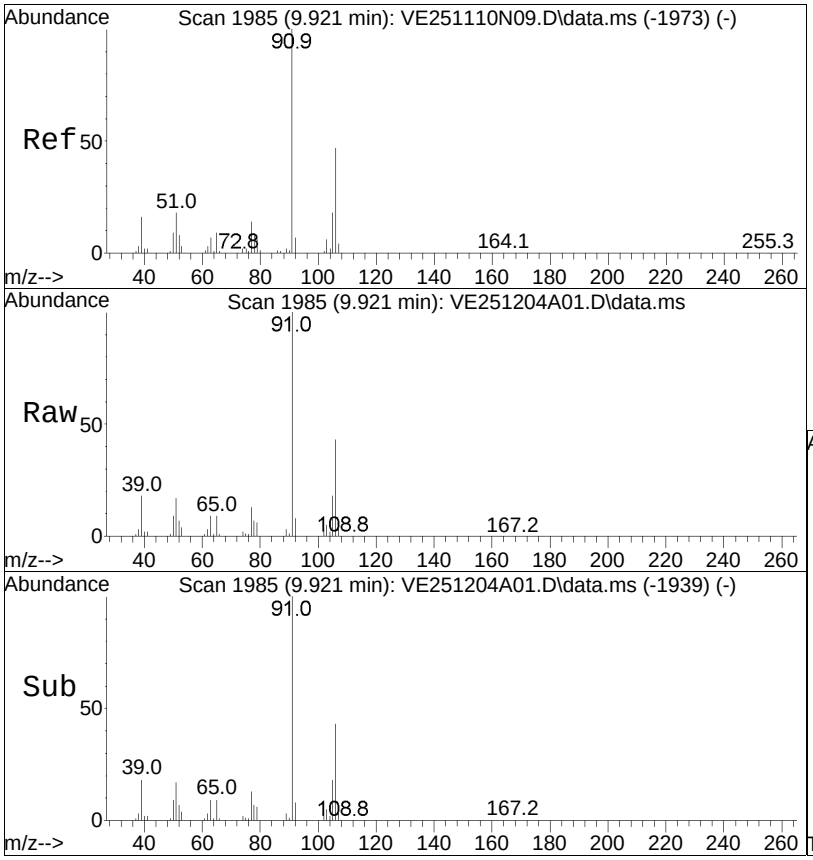


#81
p/m Xylene
Concen: 21.02 ug/L
RT: 9.372 min Scan# 1860
Delta R.T. -0.009 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:106 Resp: 231164

Ion	Ratio	Lower	Upper
106	100		
91	206.8	165.2	247.8

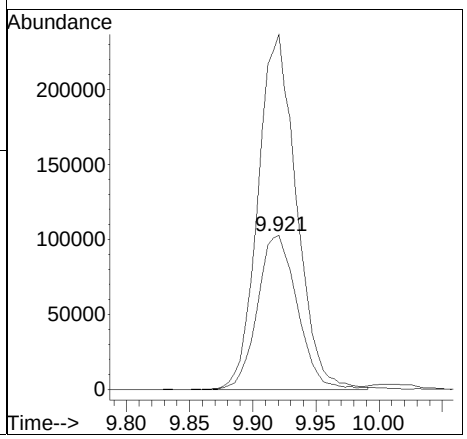


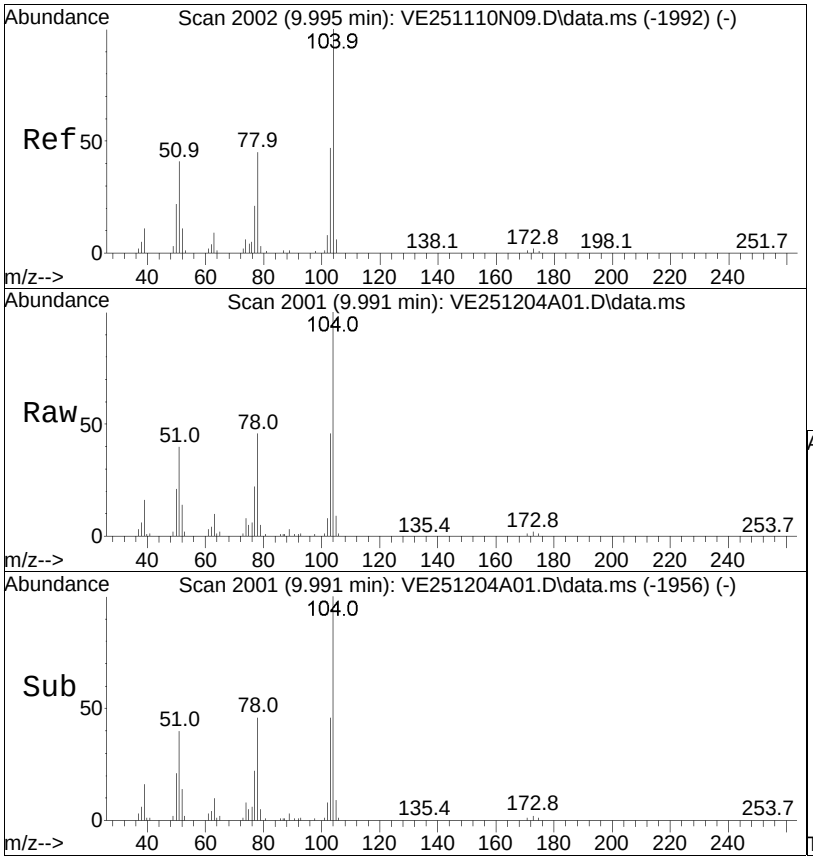


#82
o Xylene
Concen: 20.67 ug/L
RT: 9.921 min Scan# 1985
Delta R.T. -0.000 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:106 Resp: 225233

Ion	Ratio	Lower	Upper
106	100		
91	222.4	181.8	272.8

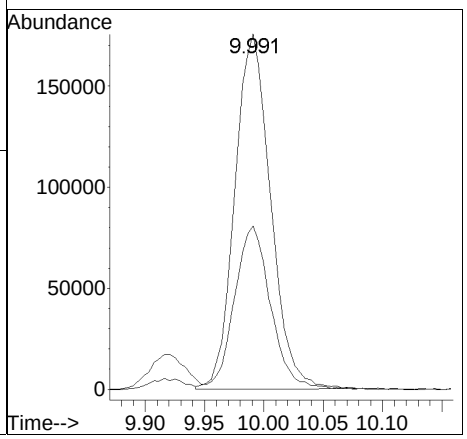


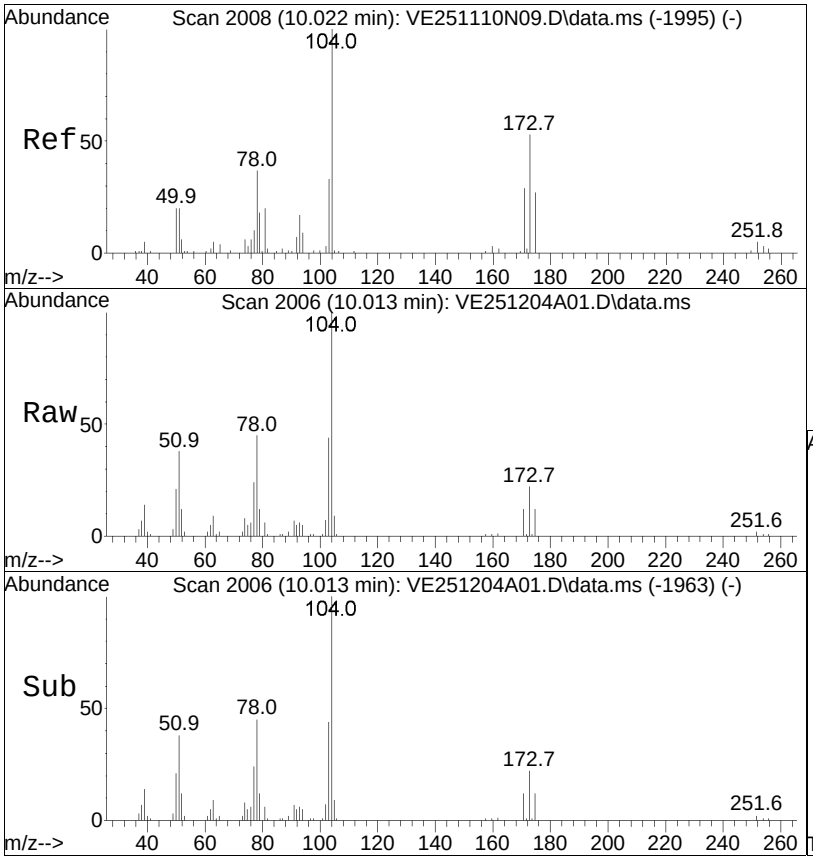


#83
Styrene
Concen: 19.38 ug/L
RT: 9.991 min Scan# 2001
Delta R.T. -0.004 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:104 Resp: 368861

Ion	Ratio	Lower	Upper
104	100		
78	46.4	37.1	55.7

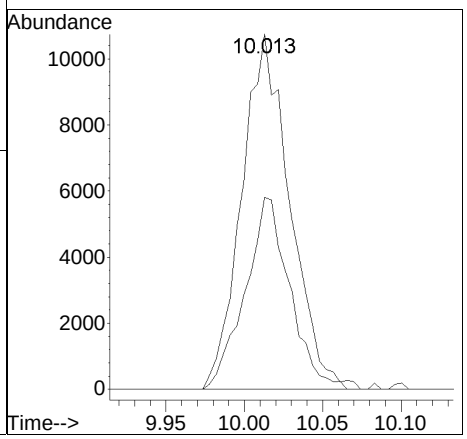


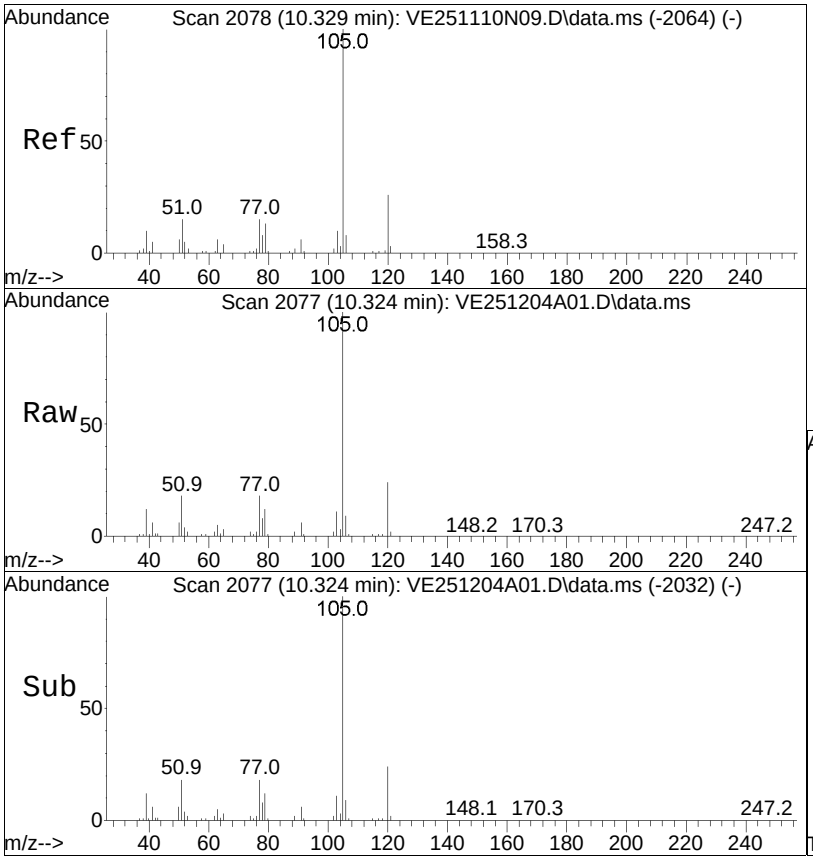


#85
Bromoform
Concen: 8.18 ug/L
RT: 10.013 min Scan# 2006
Delta R.T. -0.009 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:173 Resp: 23041

Ion	Ratio	Lower	Upper
173	100		
175	49.8	29.9	69.9

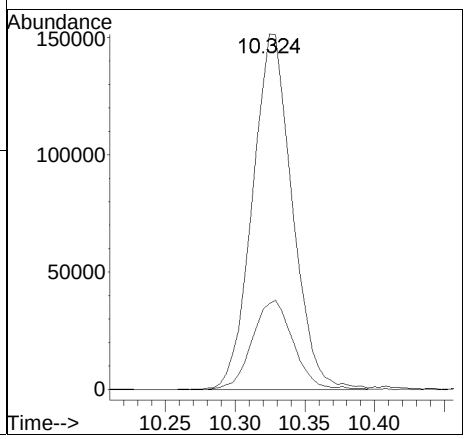


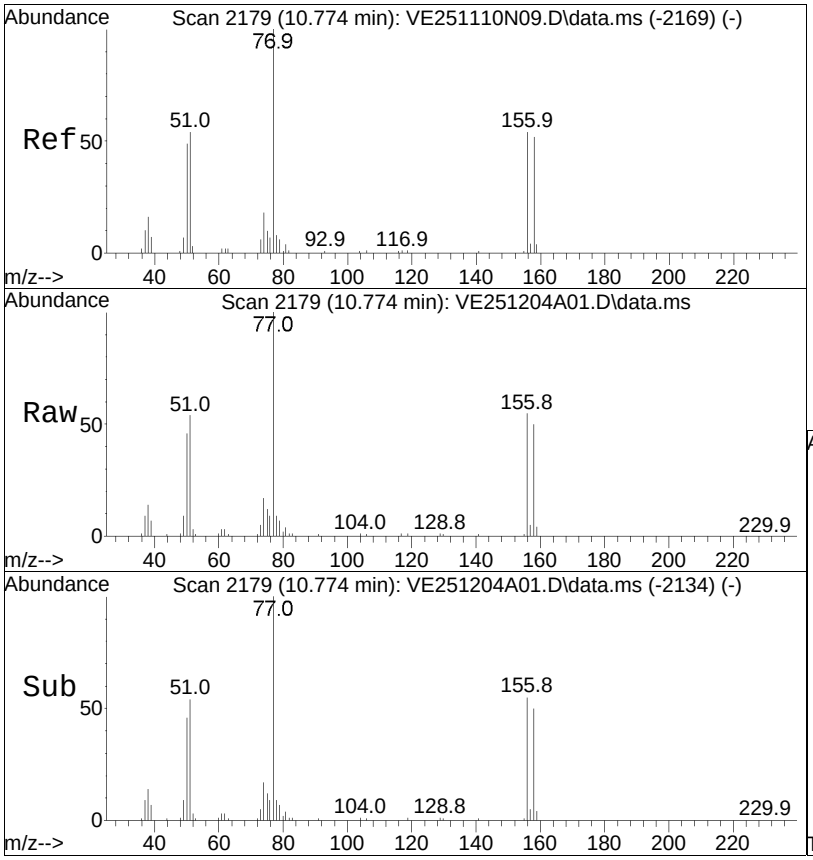


#87
Isopropylbenzene
Concen: 10.51 ug/L
RT: 10.324 min Scan# 2077
Delta R.T. -0.005 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:105 Resp: 300587

Ion	Ratio	Lower	Upper
105	100		
120	25.8	5.0	45.0

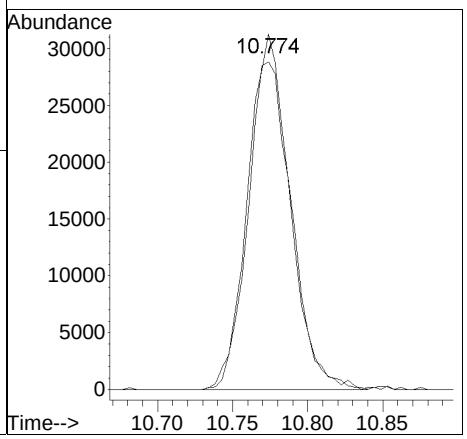


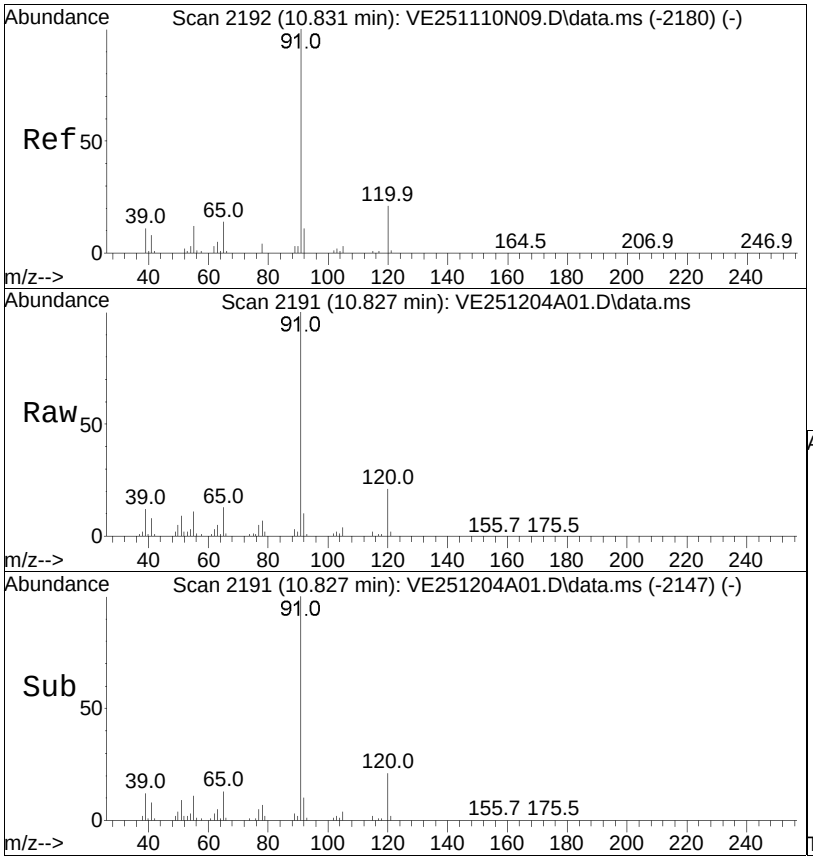


#89
Bromobenzene
Concen: 10.26 ug/L
RT: 10.774 min Scan# 2179
Delta R.T. -0.000 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:156 Resp: 60912

Ion	Ratio	Lower	Upper
156	100		
158	95.9	79.0	118.4

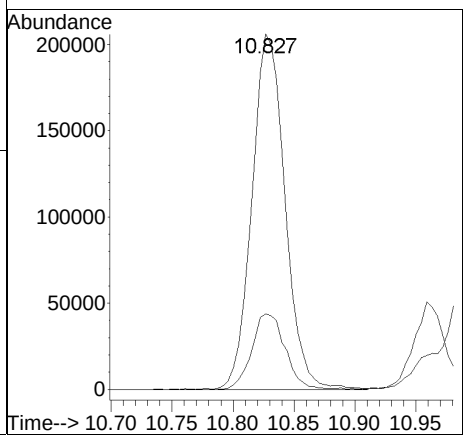


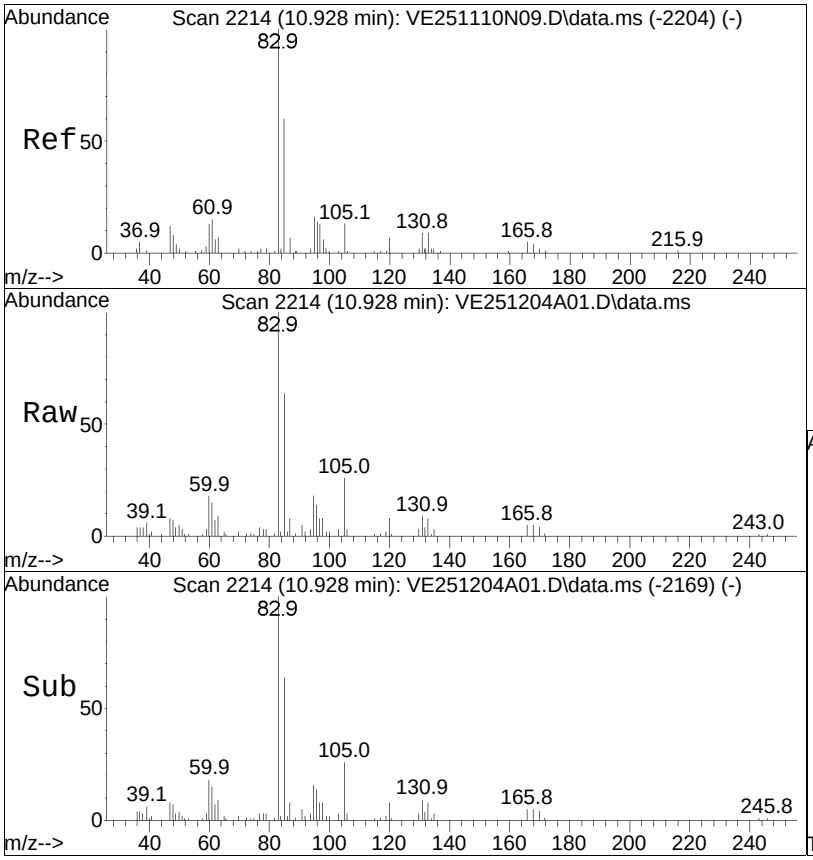


#90
n-Propylbenzene
Concen: 10.80 ug/L
RT: 10.827 min Scan# 2191
Delta R.T. -0.004 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 91 Resp: 389004

Ion	Ratio	Lower	Upper
91	100		
120	21.4	16.7	25.1

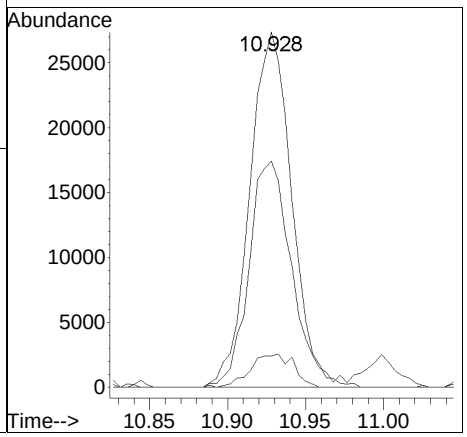


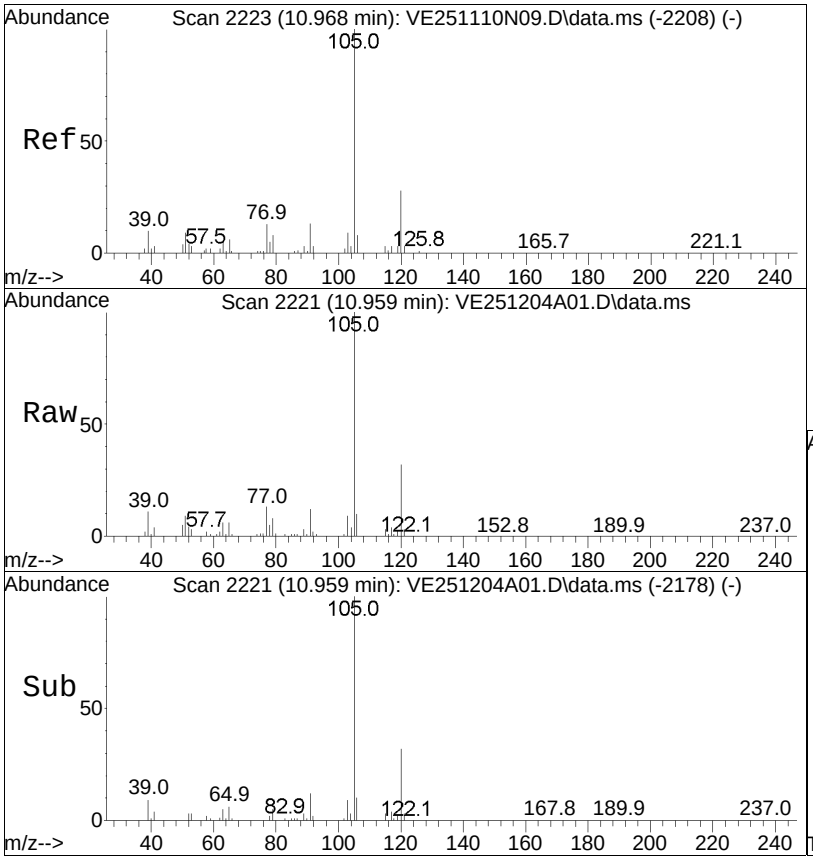


#92
1,1,2,2-Tetrachloroethane
Concen: 9.49 ug/L
RT: 10.928 min Scan# 2214
Delta R.T. 0.000 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 83 Resp: 51195

Ion	Ratio	Lower	Upper
83	100		
131	9.8	0.0	28.3
85	65.2	43.6	83.6

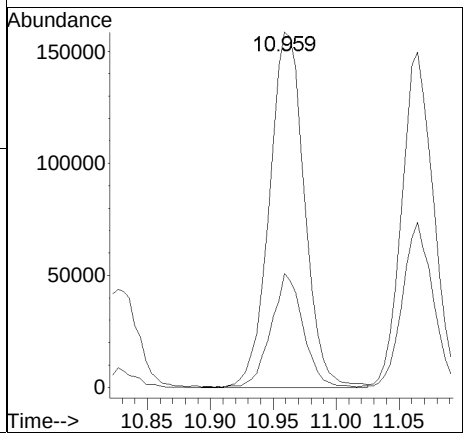


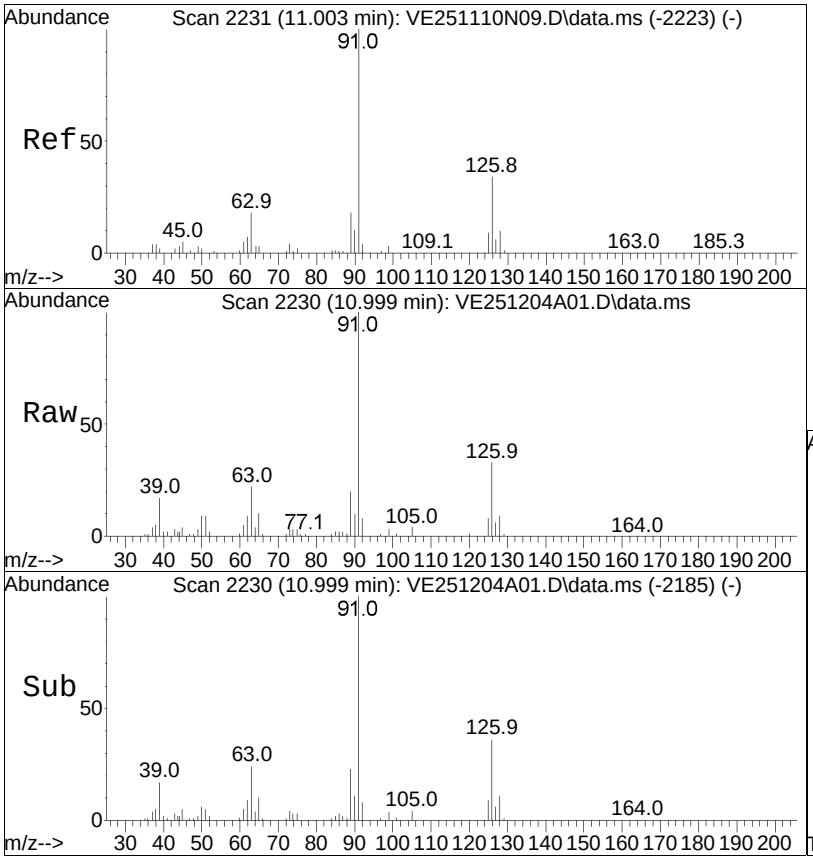


#93
4-Ethyltoluene
Concen: 10.94 ug/L
RT: 10.959 min Scan# 2221
Delta R.T. -0.009 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:105 Resp: 307438

Ion	Ratio	Lower	Upper
105	100		
120	29.3	18.7	38.7

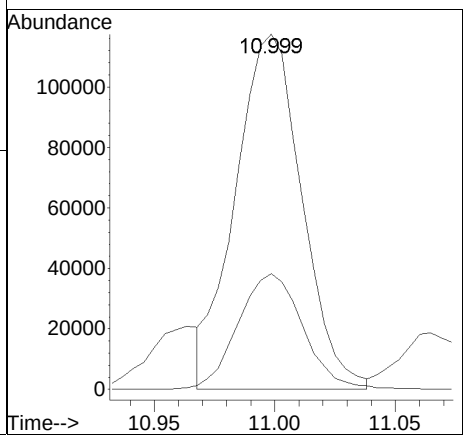


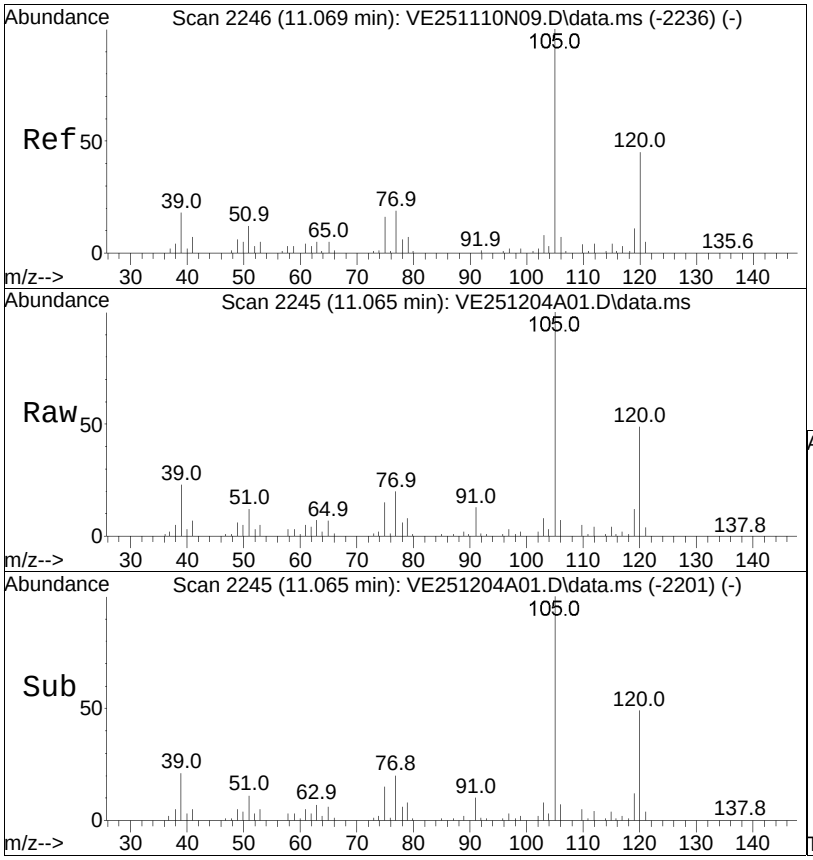


#94
2-Chlorotoluene
Concen: 10.42 ug/L M6
RT: 10.999 min Scan# 2230
Delta R.T. -0.005 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 91 Resp: 226074

Ion	Ratio	Lower	Upper
91	100		
126	31.8	23.2	34.8

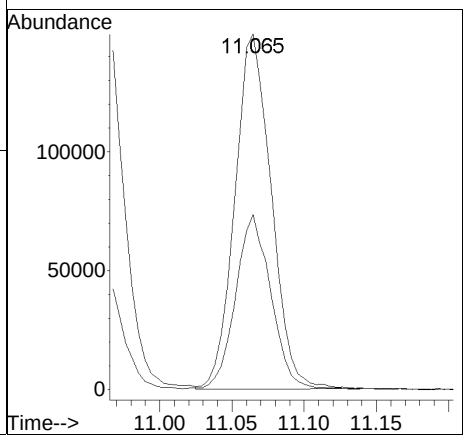


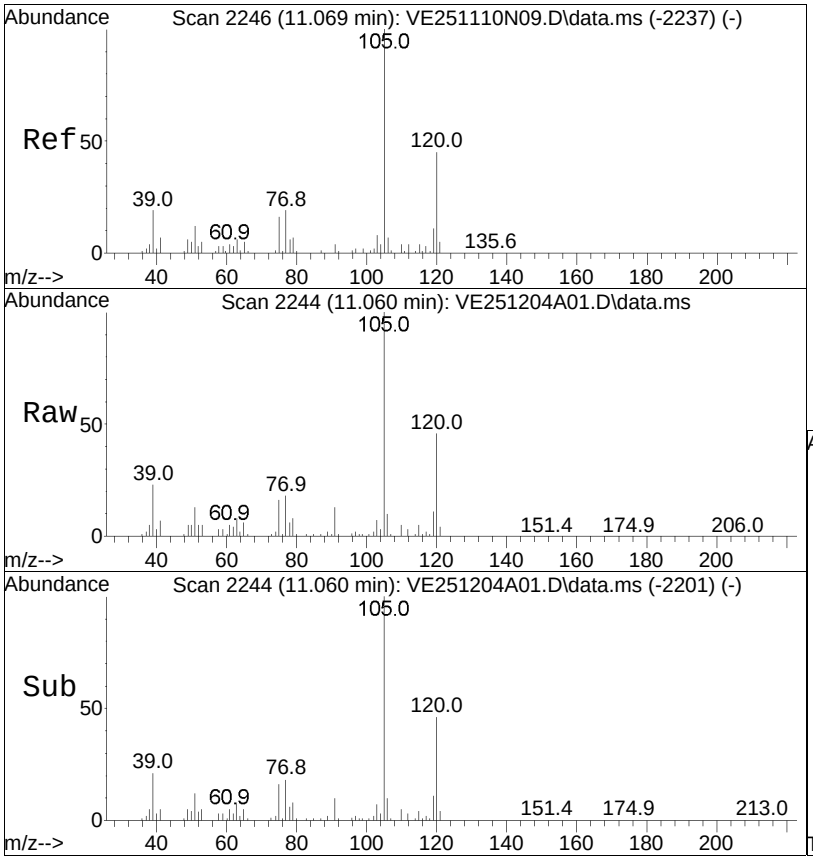


#95
1,3,5-Trimethylbenzene
Concen: 10.40 ug/L
RT: 11.065 min Scan# 2245
Delta R.T. -0.004 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:105 Resp: 261889

Ion	Ratio	Lower	Upper
105	100		
120	47.5	37.2	55.8

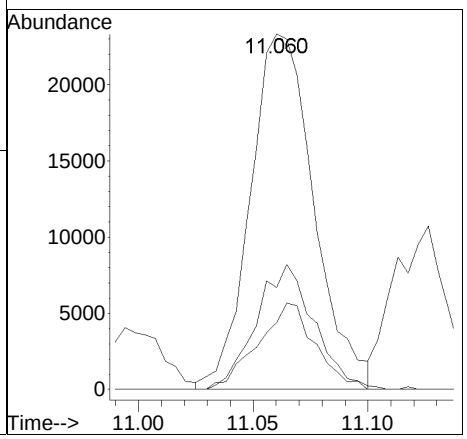


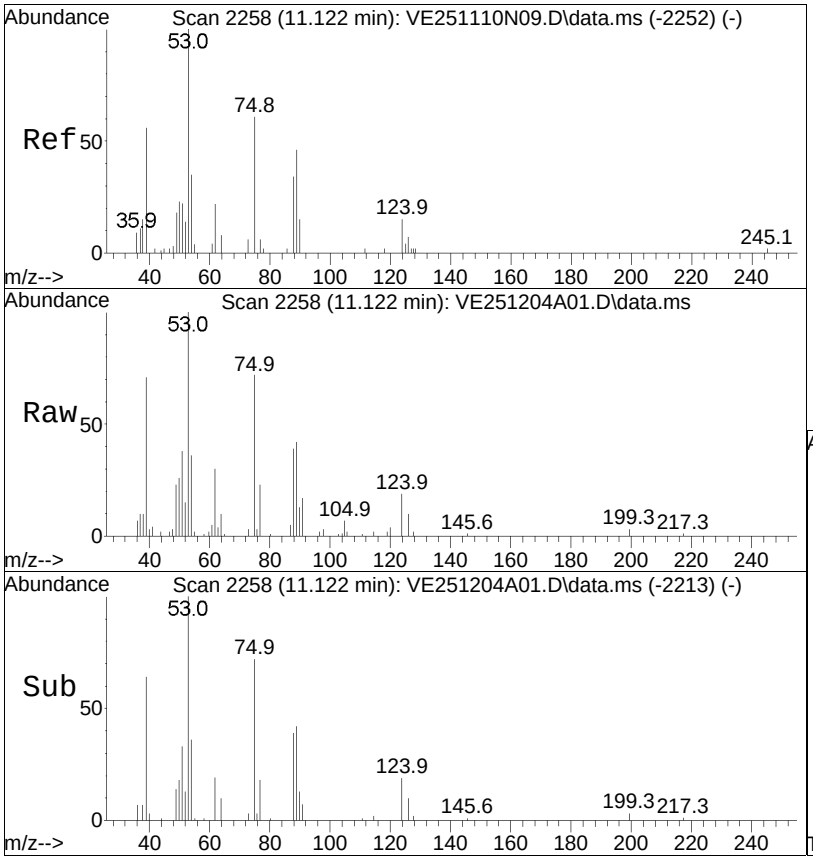


#96
1,2,3-Trichloropropane
Concen: 9.37 ug/L
RT: 11.060 min Scan# 2244
Delta R.T. -0.009 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 75 Resp: 44979

Ion	Ratio	Lower	Upper
75	100		
110	31.9	21.1	43.9
112	21.9	13.7	28.5

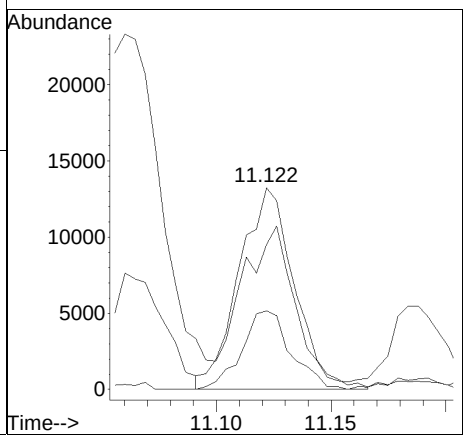


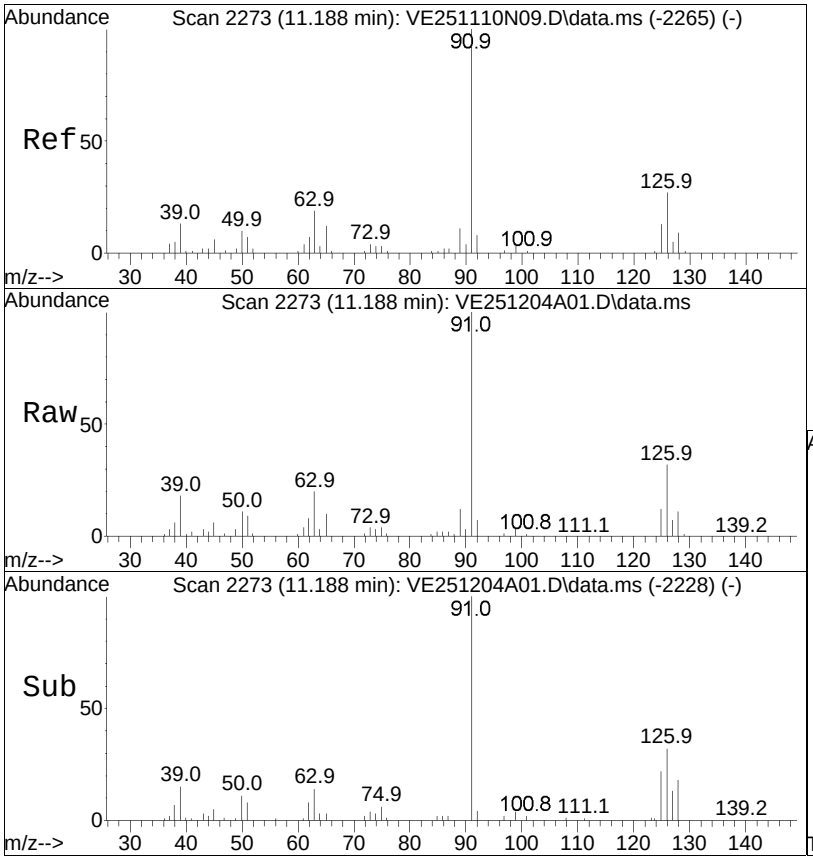


#97
trans-1,4-Dichloro-2-butene
Concen: 9.13 ug/L
RT: 11.122 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 53 Resp: 22170

Ion	Ratio	Lower	Upper
53	100		
88	34.6	27.4	41.0
75	77.8	57.7	86.5

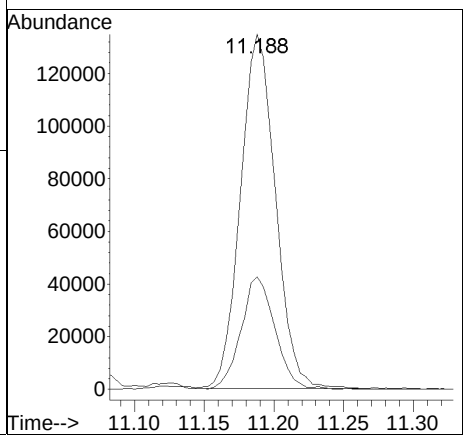


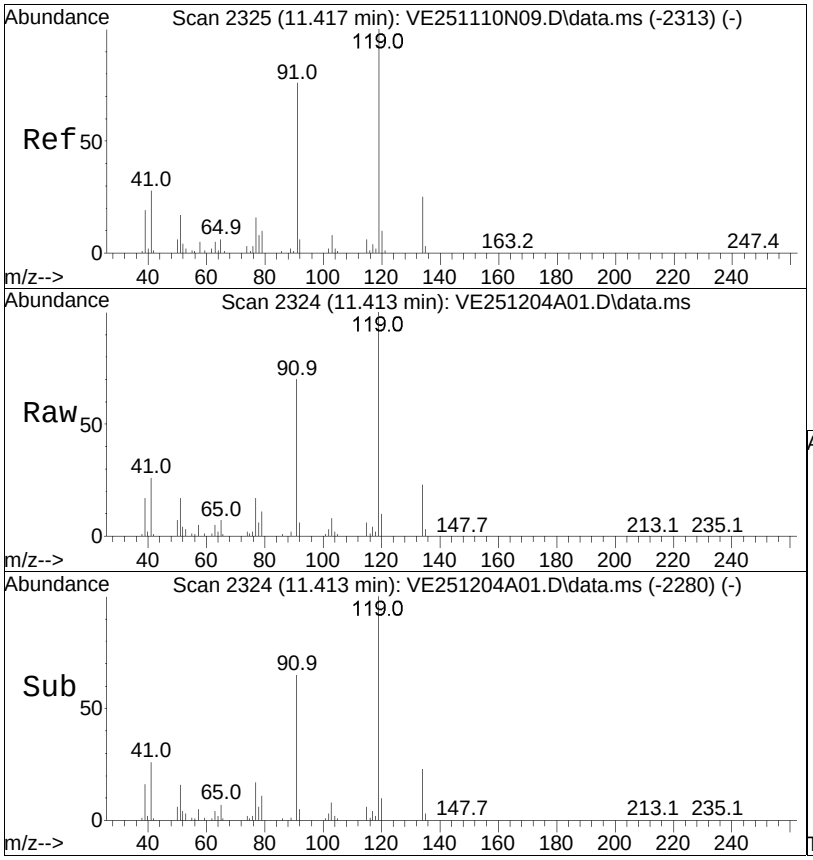


#98
4-Chlorotoluene
Concen: 10.72 ug/L
RT: 11.188 min Scan# 2273
Delta R.T. -0.000 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 91 Resp: 235426

Ion	Ratio	Lower	Upper
91	100		
126	30.9	24.7	37.1

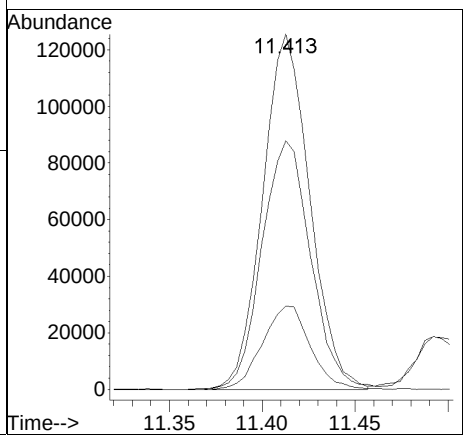


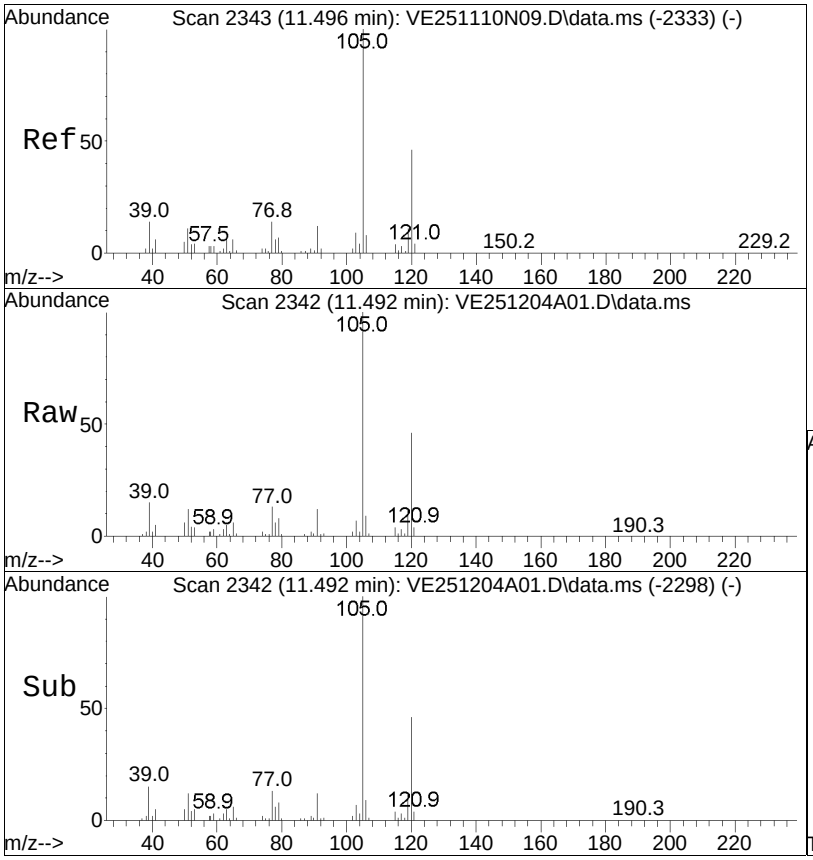


#99
tert-Butylbenzene
Concen: 10.86 ug/L
RT: 11.413 min Scan# 2324
Delta R.T. -0.004 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:119 Resp: 221787

Ion	Ratio	Lower	Upper
119	100		
91	72.5	59.3	88.9
134	23.8	19.4	29.2

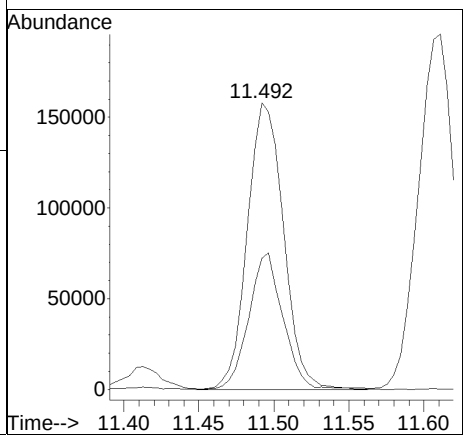


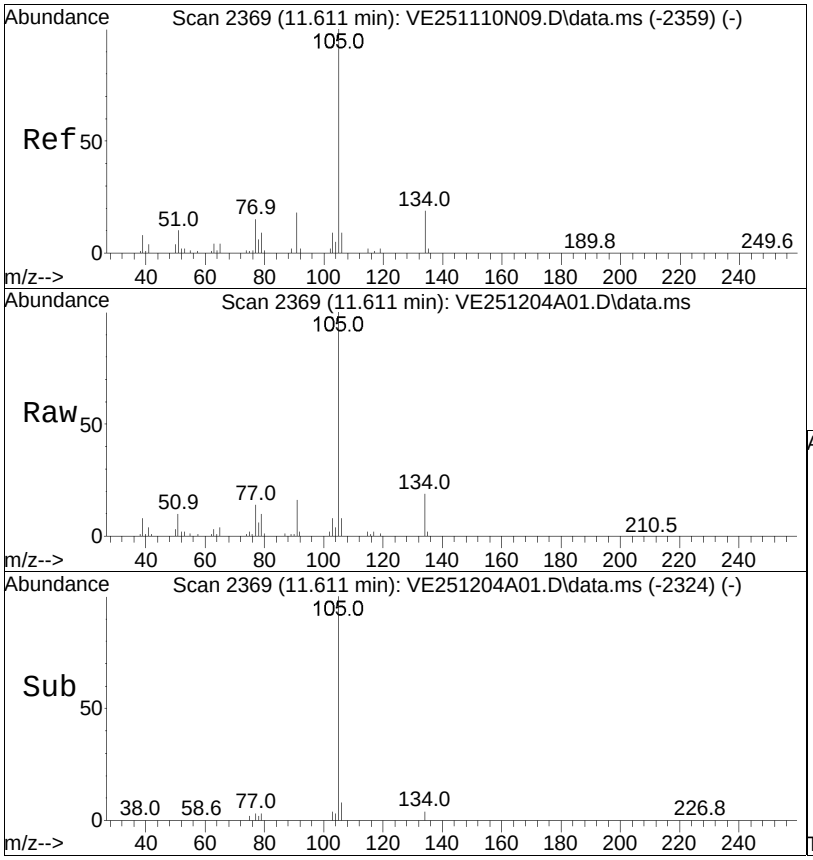


#102
1,2,4-Trimethylbenzene
Concen: 10.57 ug/L
RT: 11.492 min Scan# 2342
Delta R.T. -0.004 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:105 Resp: 265394

Ion	Ratio	Lower	Upper
105	100		
120	44.9	35.9	53.9

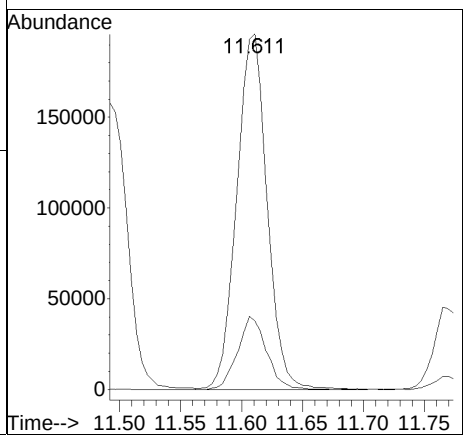


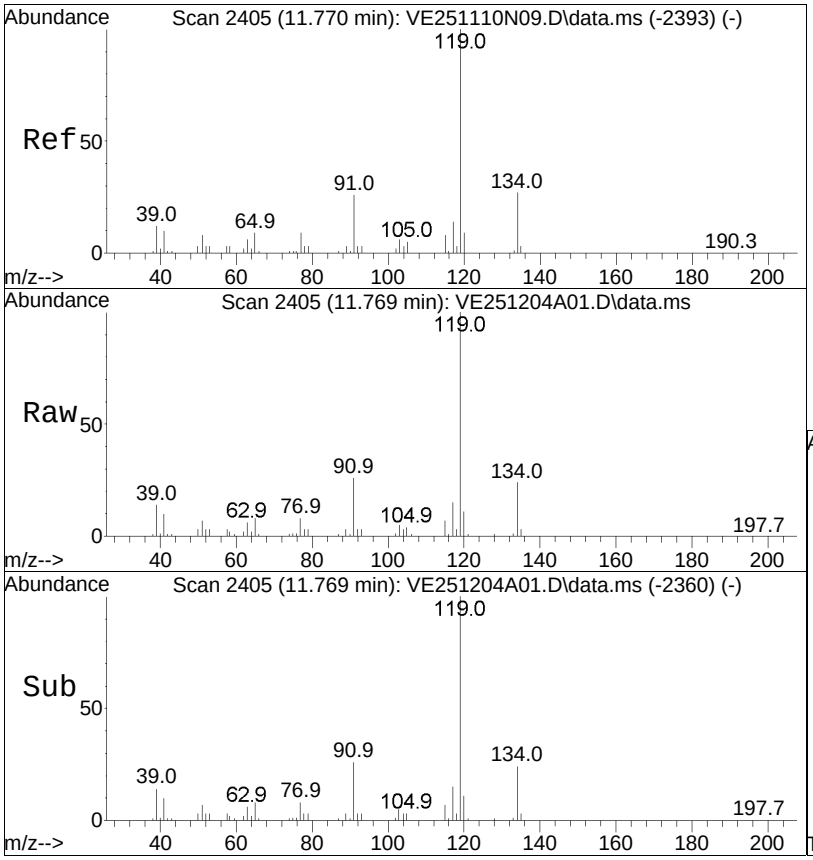


#103
sec-Butylbenzene
Concen: 10.87 ug/L
RT: 11.611 min Scan# 2369
Delta R.T. -0.000 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:105 Resp: 339868

Ion	Ratio	Lower	Upper
105	100		
134	19.4	12.2	25.2

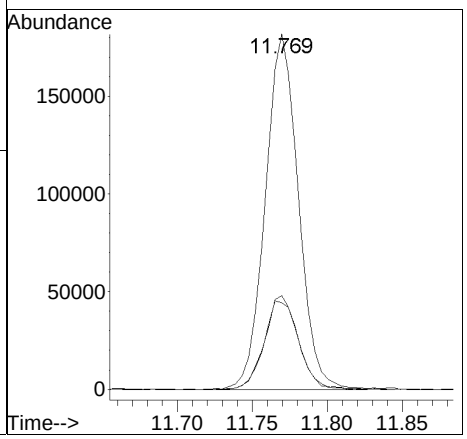


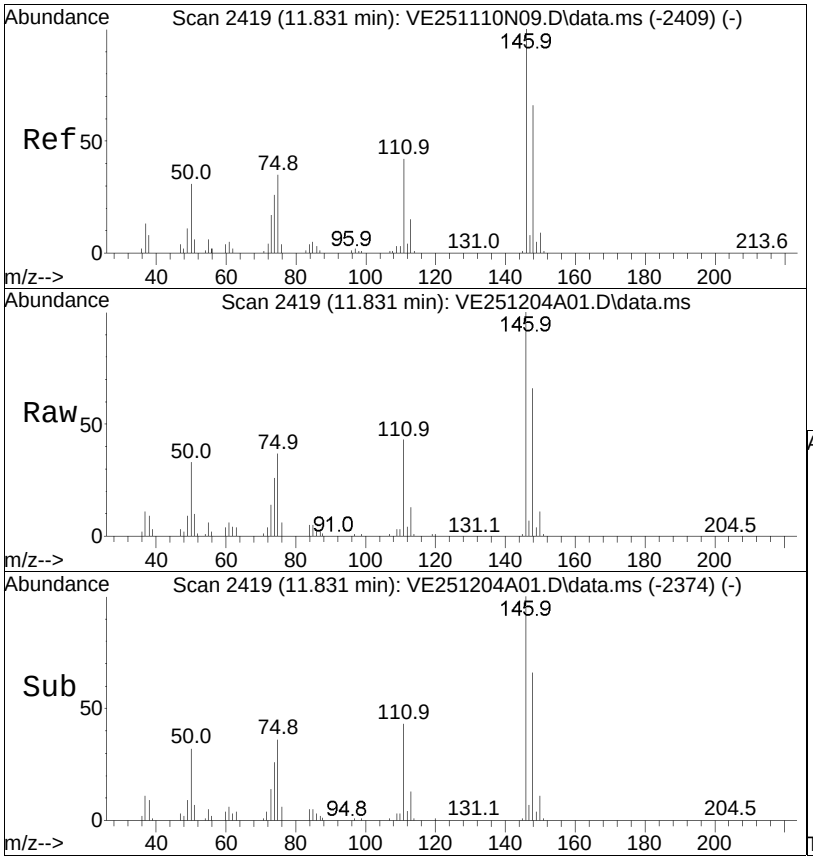


#104
p-Isopropyltoluene
Concen: 10.66 ug/L
RT: 11.769 min Scan# 2405
Delta R.T. -0.001 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:119 Resp: 279297

Ion	Ratio	Lower	Upper
119	100		
134	26.2	16.8	34.8
91	26.7	18.0	37.4

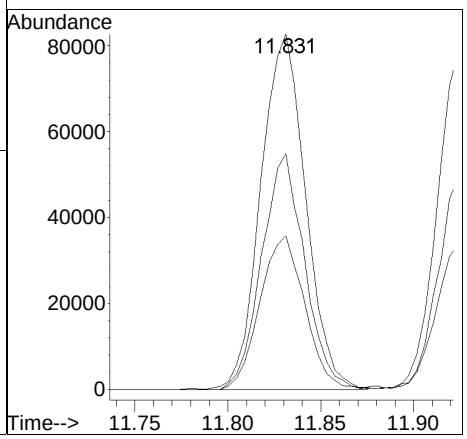


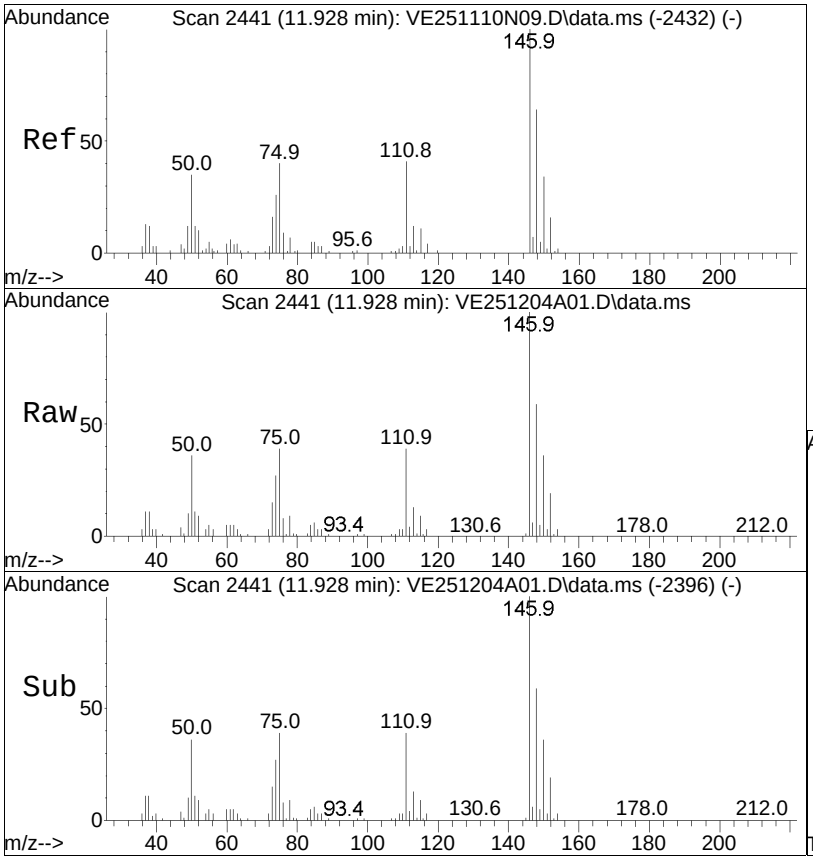


#105
1,3-Dichlorobenzene
Concen: 10.65 ug/L
RT: 11.831 min Scan# 2419
Delta R.T. 0.000 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:146 Resp: 138508

Ion	Ratio	Lower	Upper
146	100		
111	43.3	28.9	60.1
148	63.5	40.8	84.6

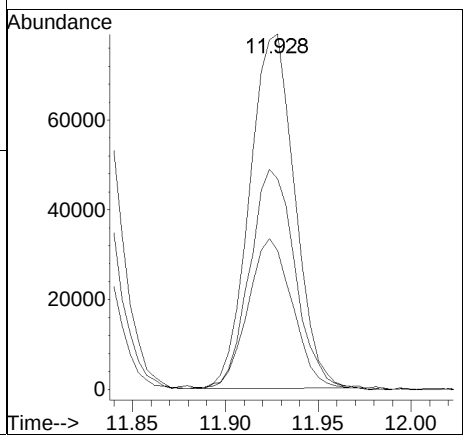


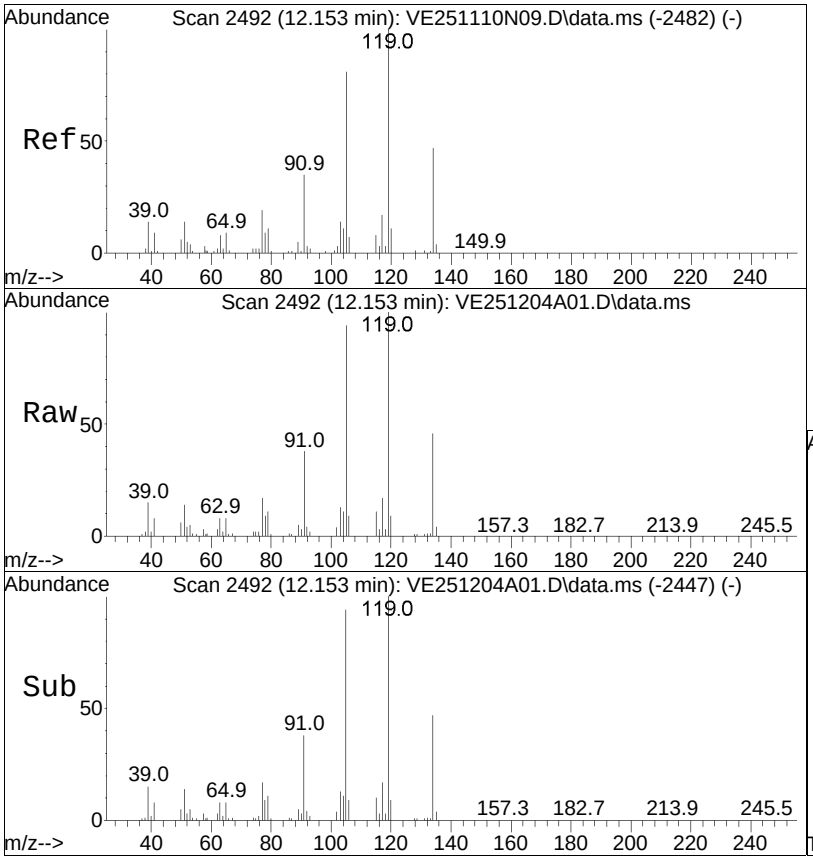


#106
1,4-Dichlorobenzene
Concen: 10.35 ug/L
RT: 11.928 min Scan# 2441
Delta R.T. 0.000 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:146 Resp: 133486

Ion	Ratio	Lower	Upper
146	100		
111	42.6	34.1	51.1
148	62.9	51.3	76.9

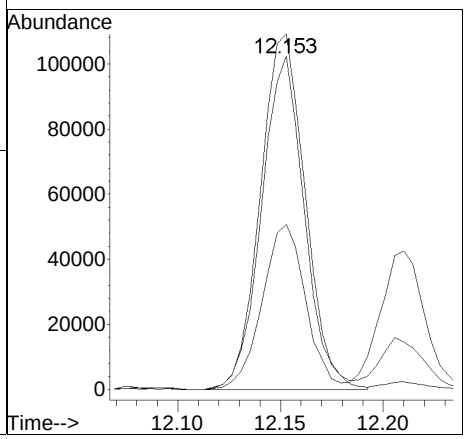


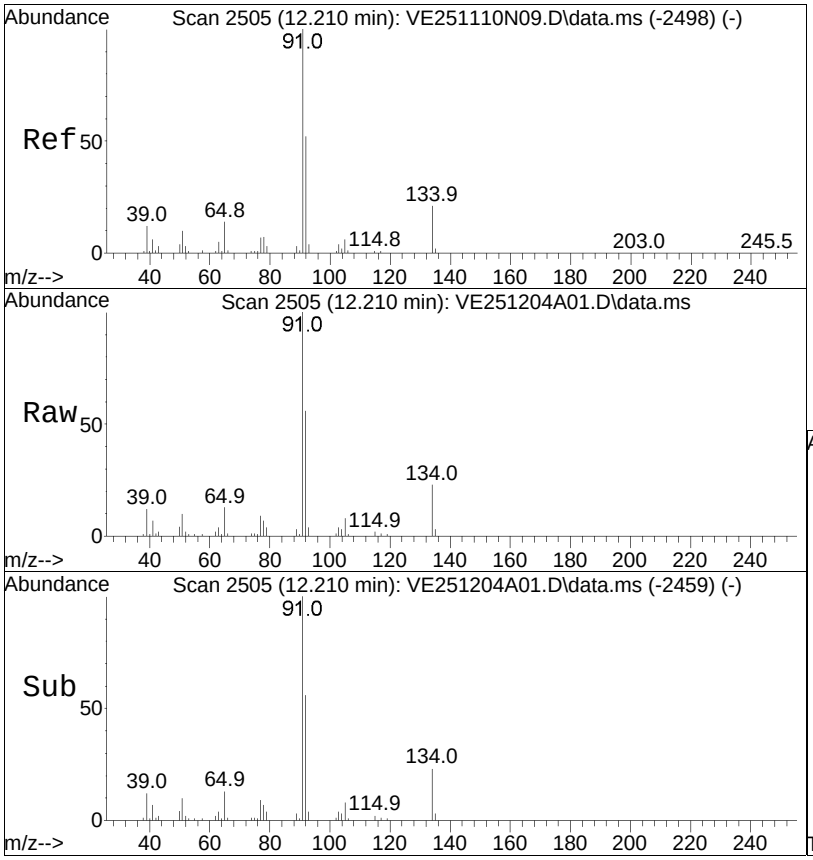


#107
p-Diethylbenzene
Concen: 10.70 ug/L
RT: 12.153 min Scan# 2492
Delta R.T. -0.000 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:119 Resp: 165813

Ion	Ratio	Lower	Upper
119	100		
105	89.3	55.8	115.8
134	44.9	29.2	60.6

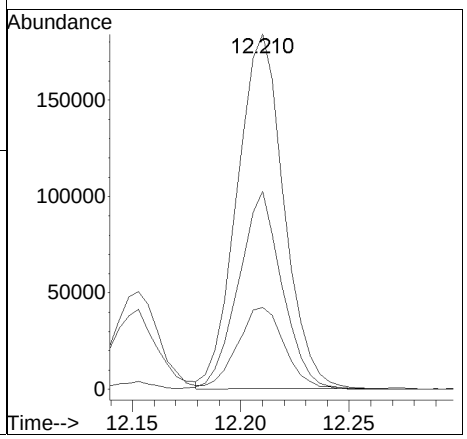


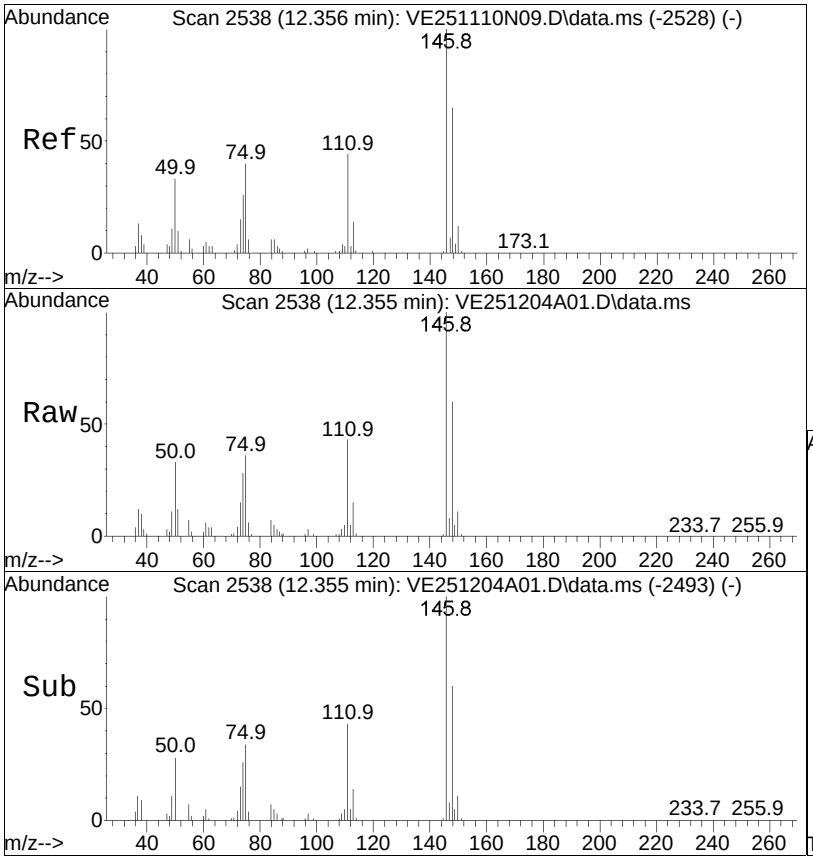


#108
n-Butylbenzene
Concen: 10.81 ug/L
RT: 12.210 min Scan# 2505
Delta R.T. 0.000 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion: 91 Resp: 275874

Ion	Ratio	Lower	Upper
91	100		
92	52.5	41.4	62.0
134	23.5	18.8	28.2

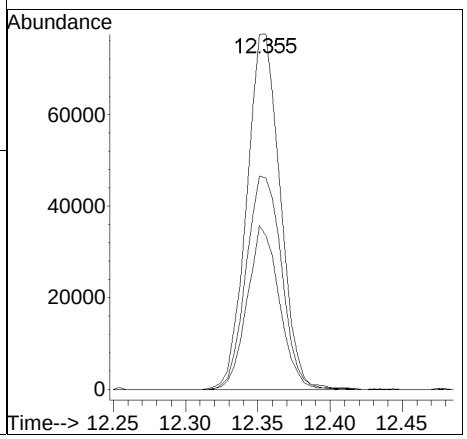


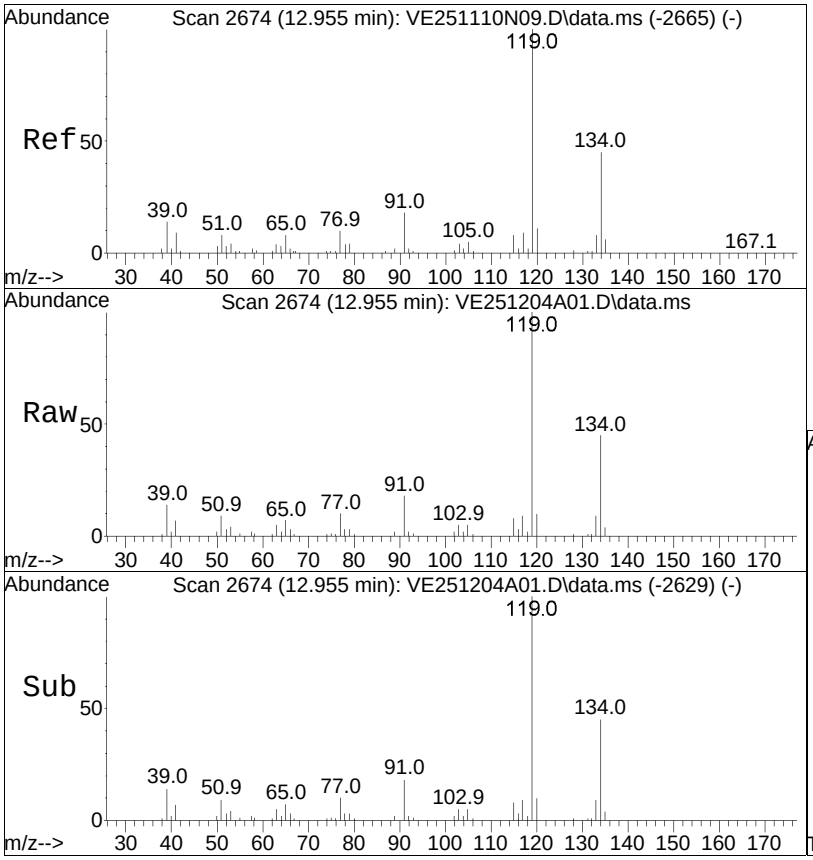


#109
1,2-Dichlorobenzene
Concen: 10.37 ug/L
RT: 12.355 min Scan# 2538
Delta R.T. -0.001 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:146 Resp: 125258

Ion	Ratio	Lower	Upper
146	100		
111	44.2	29.4	61.0
148	63.5	40.4	83.8

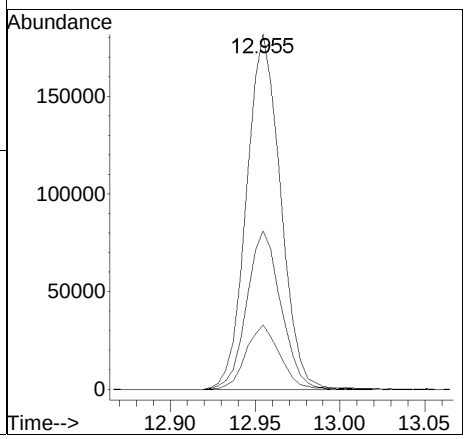


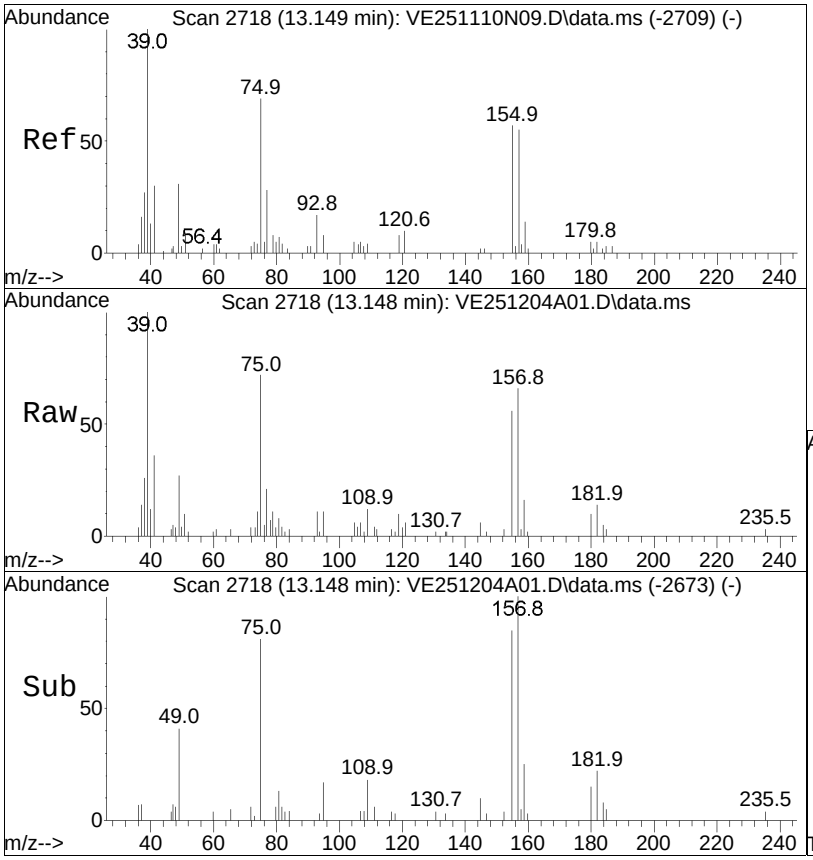


#110
1,2,4,5-Tetramethylbenzene
Concen: 9.70 ug/L
RT: 12.955 min Scan# 2674
Delta R.T. -0.000 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:119 Resp: 253966

Ion	Ratio	Lower	Upper
119	100		
134	44.7	29.6	61.6
91	18.0	12.4	25.8

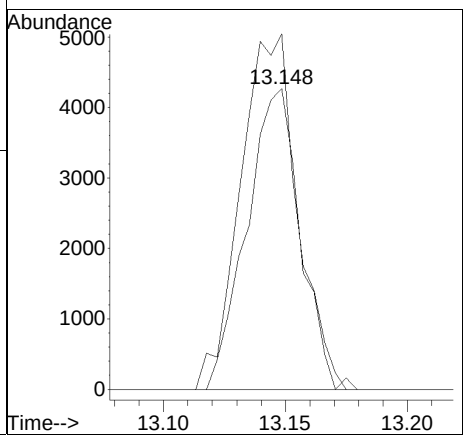


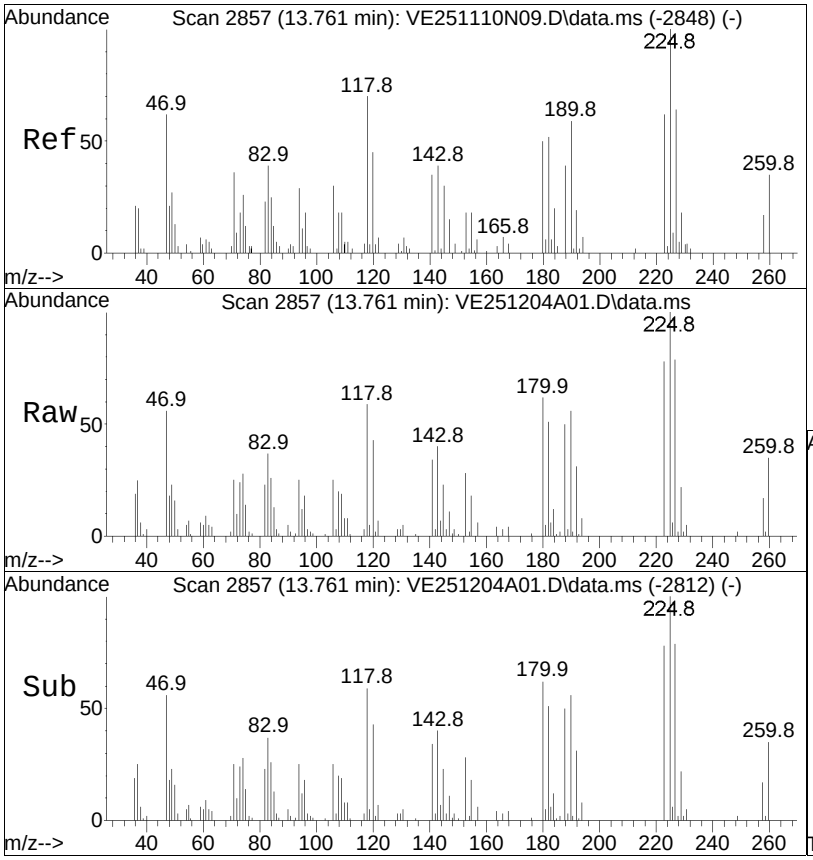


#111
1,2-Dibromo-3-chloropropane
Concen: 8.39 ug/L
RT: 13.148 min Scan# 2718
Delta R.T. -0.001 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:155 Resp: 6511

Ion	Ratio	Lower	Upper
155	100		
157	125.7	101.0	151.4

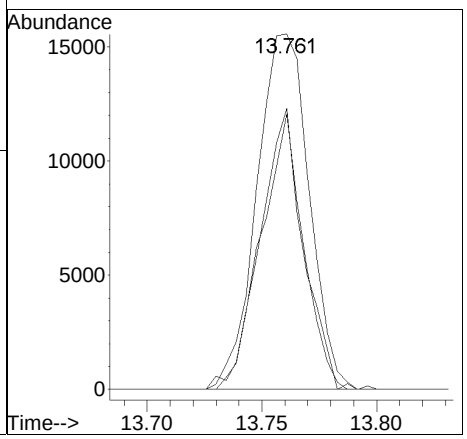


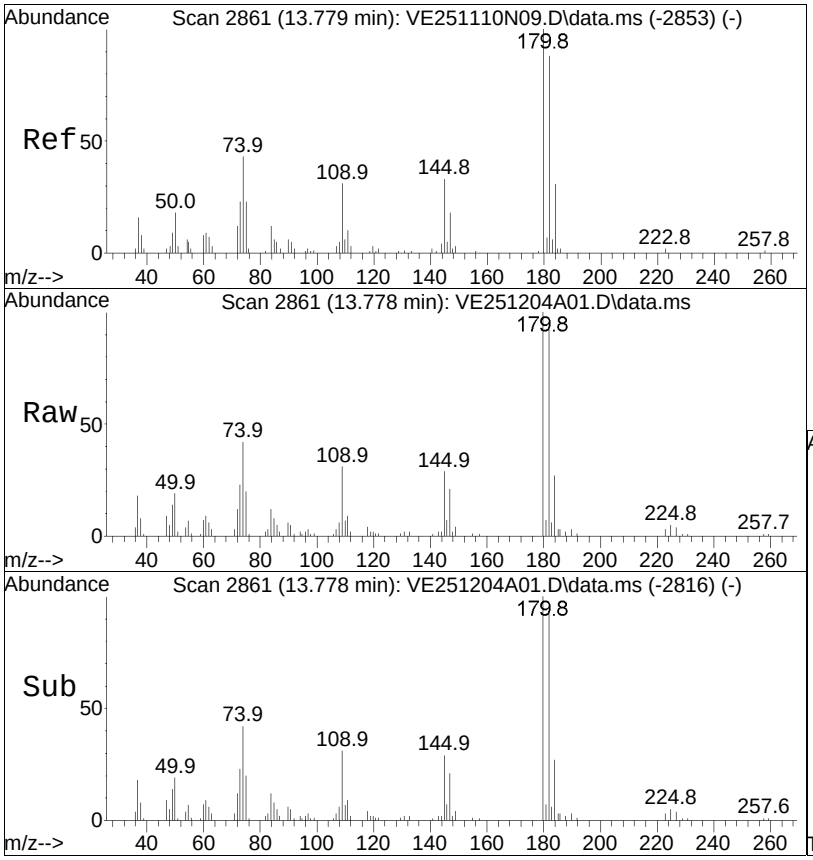


#113
Hexachlorobutadiene
Concen: 12.07 ug/L
RT: 13.761 min Scan# 2857
Delta R.T. -0.000 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:225 Resp: 24654

Ion	Ratio	Lower	Upper
225	100		
223	63.0	53.8	80.8
227	65.9	52.1	78.1

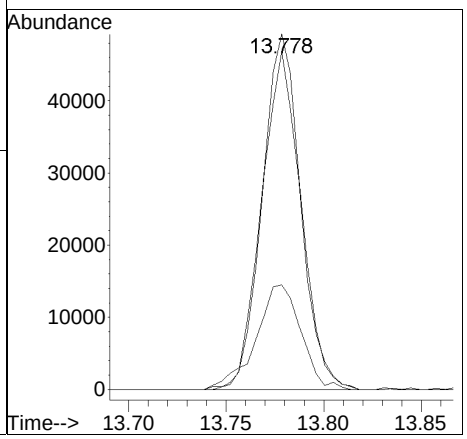


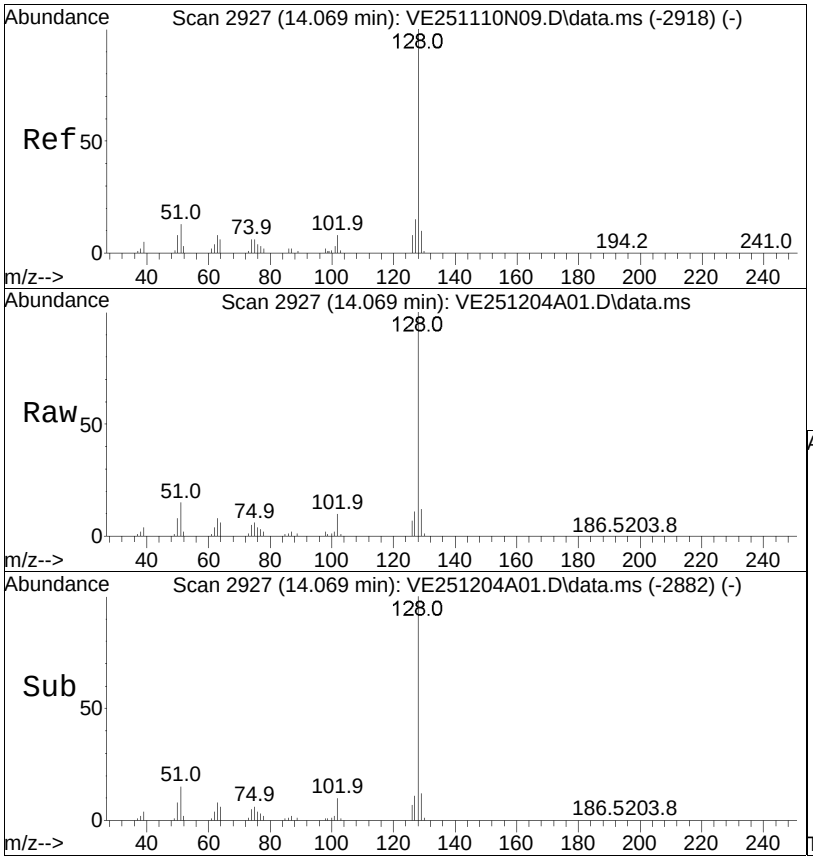


#114
1,2,4-Trichlorobenzene
Concen: 10.55 ug/L
RT: 13.778 min Scan# 2861
Delta R.T. -0.001 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:180 Resp: 69007

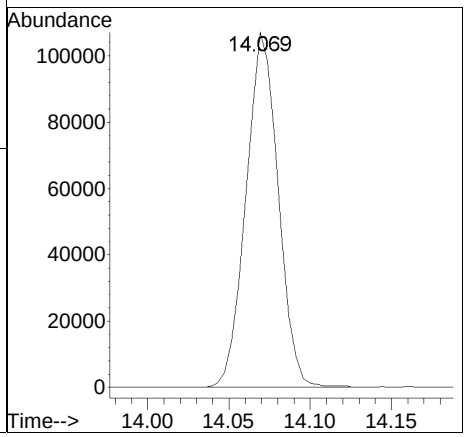
Ion	Ratio	Lower	Upper
180	100		
182	93.1	75.1	112.7
145	33.6	29.6	44.4

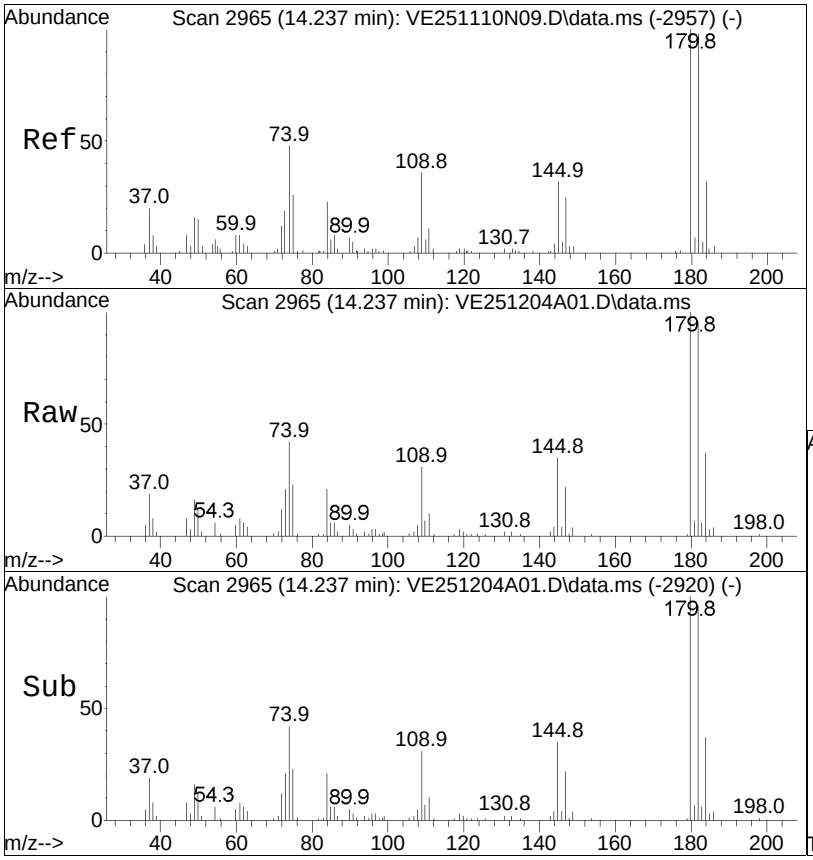




#115
Naphthalene
Concen: 9.06 ug/L
RT: 14.069 min Scan# 2927
Delta R.T. 0.000 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:128 Resp: 147774

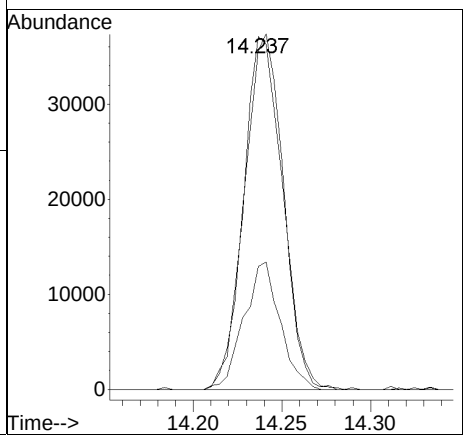




#116
1,2,3-Trichlorobenzene
Concen: 9.99 ug/L
RT: 14.237 min Scan# 2965
Delta R.T. -0.000 min
Lab File: VE251204A01.D
Acq: 4 Dec 2025 7:24 am

Tgt Ion:180 Resp: 57022

Ion	Ratio	Lower	Upper
180	100		
182	99.5	78.9	118.3
145	33.3	27.7	41.5

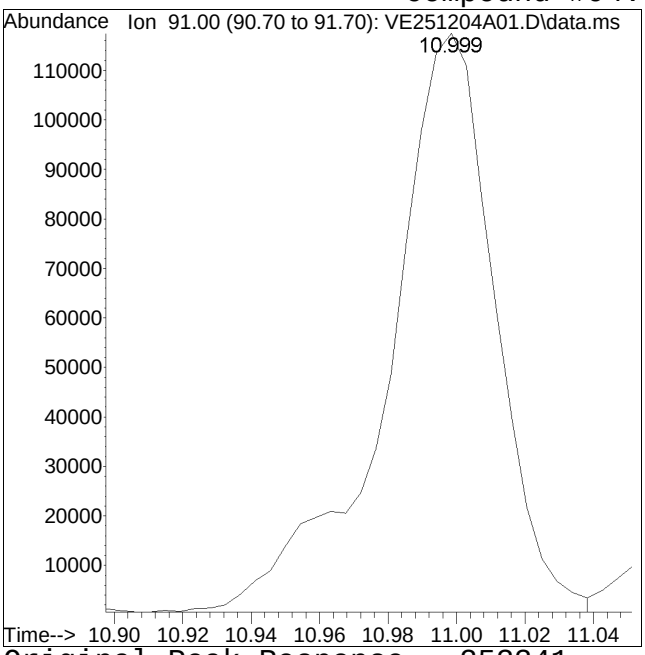


Manual Integration Report

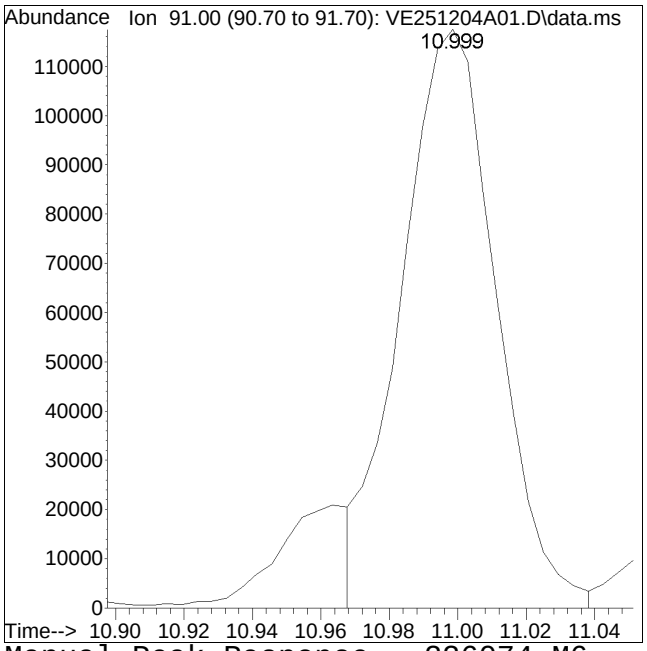
Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A01.D
Date Inj'd : 12/4/2025 7:24 am
Sample : WG2149663-3,31,10,10

QMethod : Elaine_251111N_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 12/4/2025 7:56 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 253341



Manual Peak Response = 226074 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A02.D
Acq On : 4 Dec 2025 7:48 am
Operator : ELAINE:PID
Sample : WG2149663-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 08:17:27 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.630	96	219552	10.000	ug/L	0.00
Standard Area 1 = 228604			Recovery = 96.04%			
63) Chlorobenzene-d5	9.127	117	180229	10.000	ug/L	0.00
Standard Area 1 = 181694			Recovery = 99.19%			
84) 1,4-Dichlorobenzene-d4	11.911	152	102249	10.000	ug/L	0.00
Standard Area 1 = 98206			Recovery = 104.12%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.839	113	59745	9.873	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.73%			
47) 1,2-Dichloroethane-d4	5.349	65	78257	9.492	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.92%			
64) Toluene-d8	7.301	98	236536	9.807	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.07%			
88) 4-Bromofluorobenzene	10.664	95	93960	9.640	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.464	85	75832	10.539	ug/L	98
3) Chloromethane	1.640	50	84569	8.789	ug/L	98
4) Vinyl chloride	1.704	62	80412	10.732	ug/L	94
5) Bromomethane	1.985	94	32409	9.454	ug/L	94
6) Chloroethane	2.084	64	49115	10.063	ug/L	98
7) Trichlorofluoromethane	2.216	101	82189	9.273	ug/L	98
8) Ethyl ether	2.492	74	22957	7.920	ug/L	93
10) 1,1-Dichloroethene	2.673	96	45446	9.282	ug/L	91
11) Carbon disulfide	2.700	76	161079	9.721	ug/L	100
15) Methylene chloride	3.199	84	57777	9.697	ug/L	97
17) Acetone	3.235	43	18089	9.391	ug/L	96
18) trans-1,2-Dichloroethene	3.344	96	41308	8.838	ug/L	91
21) Methyl tert-butyl ether	3.434	73	85531	7.873	ug/L #	95
25) 1,1-Dichloroethane	3.901	63	126561	10.053	ug/L	96
27) Acrylonitrile	3.951	53	17338	8.310	ug/L	98
29) Vinyl acetate	4.132	43	127007	8.850	ug/L	100
30) cis-1,2-Dichloroethene	4.408	96	54463	9.709	ug/L	80
31) 2,2-Dichloropropane	4.503	77	80368	10.137	ug/L	98
33) Bromochloromethane	4.598	128	23060	9.364	ug/L	84
35) Chloroform	4.671	83	92720	9.176	ug/L	97

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A02.D
Acq On : 4 Dec 2025 7:48 am
Operator : ELAINE:PID
Sample : WG2149663-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 08:17:27 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) Carbon tetrachloride	4.789	117	62522	10.421	ug/L		81
40) 1,1,1-Trichloroethane	4.857	97	73552	9.702	ug/L		96
42) 2-Butanone	4.947	43	18694	7.738	ug/L	#	69
43) 1,1-Dichloropropene	4.984	75	58161	9.067	ug/L		98
45) Benzene	5.217	78	189079	9.290	ug/L		99
48) 1,2-Dichloroethane	5.423	62	75171	8.932	ug/L		100
52) Trichloroethene	5.805	95	42013	8.558	ug/L		98
54) Dibromomethane	6.244	93	27324	9.033	ug/L		97
55) 1,2-Dichloropropane	6.340	63	56745	8.798	ug/L		98
58) Bromodichloromethane	6.424	83	64517	9.235	ug/L	#	93
61) 1,4-Dioxane	6.621	88	18453	472.806	ug/L		98
62) cis-1,3-Dichloropropene	7.100	75	67572	8.800	ug/L		99
65) Toluene	7.358	92	121906	9.117	ug/L		98
66) 4-Methyl-2-pentanone	7.788	58	13718	7.934	ug/L	#	86
67) Tetrachloroethene	7.797	166	45374	9.530	ug/L		96
69) trans-1,3-Dichloropropene	7.846	75	60218	7.551	ug/L		99
72) 1,1,2-Trichloroethane	8.025	83	28314	8.147	ug/L		98
73) Chlorodibromomethane	8.232	129	36224	7.746	ug/L		94
74) 1,3-Dichloropropane	8.346	76	61164	7.926	ug/L		99
75) 1,2-Dibromoethane	8.499	107	32872	7.976	ug/L		98
77) 2-Hexanone	8.793	43	34094	8.233	ug/L		94
78) Chlorobenzene	9.149	112	139135	9.302	ug/L		99
79) Ethylbenzene	9.193	91	260103	9.312	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.237	131	38511	8.494	ug/L		97
81) p/m Xylene	9.377	106	201894	18.508	ug/L		99
82) o Xylene	9.921	106	195645	18.097	ug/L		99
83) Styrene	9.991	104	323451	17.133	ug/L		99
85) Bromoform	10.013	173	20071	6.903	ug/L		99
87) Isopropylbenzene	10.329	105	263141	8.838	ug/L		97
89) Bromobenzene	10.779	156	55281	8.939	ug/L		97
90) n-Propylbenzene	10.831	91	335698	8.950	ug/L		100
92) 1,1,2,2-Tetrachloroethane	10.928	83	45460	8.092	ug/L		96
93) 4-Ethyltoluene	10.964	105	272840	9.326	ug/L		99
94) 2-Chlorotoluene	10.999	91	200908M6	8.890	ug/L		
95) 1,3,5-Trimethylbenzene	11.065	105	222598	8.491	ug/L		98
96) 1,2,3-Trichloropropane	11.065	75	37997	7.604	ug/L		92
97) trans-1,4-Dichloro-2-b...	11.118	53	19384	7.665	ug/L		90
98) 4-Chlorotoluene	11.188	91	202877	8.876	ug/L		99
99) tert-Butylbenzene	11.413	119	190315	8.954	ug/L		99

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A02.D
Acq On : 4 Dec 2025 7:48 am
Operator : ELAINE:PID
Sample : WG2149663-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 08:17:27 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.497	105	230724	8.825	ug/L	99
103) sec-Butylbenzene	11.607	105	296965	9.124	ug/L	98
104) p-Isopropyltoluene	11.770	119	243950	8.943	ug/L	99
105) 1,3-Dichlorobenzene	11.827	146	122116	9.016	ug/L	97
106) 1,4-Dichlorobenzene	11.928	146	119771	8.917	ug/L	98
107) p-Diethylbenzene	12.153	119	145627	9.029	ug/L	99
108) n-Butylbenzene	12.210	91	237079	8.926	ug/L	97
109) 1,2-Dichlorobenzene	12.356	146	114693	9.117	ug/L	99
110) 1,2,4,5-Tetramethylben...	12.955	119	218123	7.998	ug/L	98
111) 1,2-Dibromo-3-chloropr...	13.140	155	6668	8.257	ug/L	93
113) Hexachlorobutadiene	13.761	225	21595	10.195	ug/L	99
114) 1,2,4-Trichlorobenzene	13.779	180	59031	8.666	ug/L	97
115) Naphthalene	14.070	128	133158	7.843	ug/L	100
116) 1,2,3-Trichlorobenzene	14.237	180	51535	8.673	ug/L	99

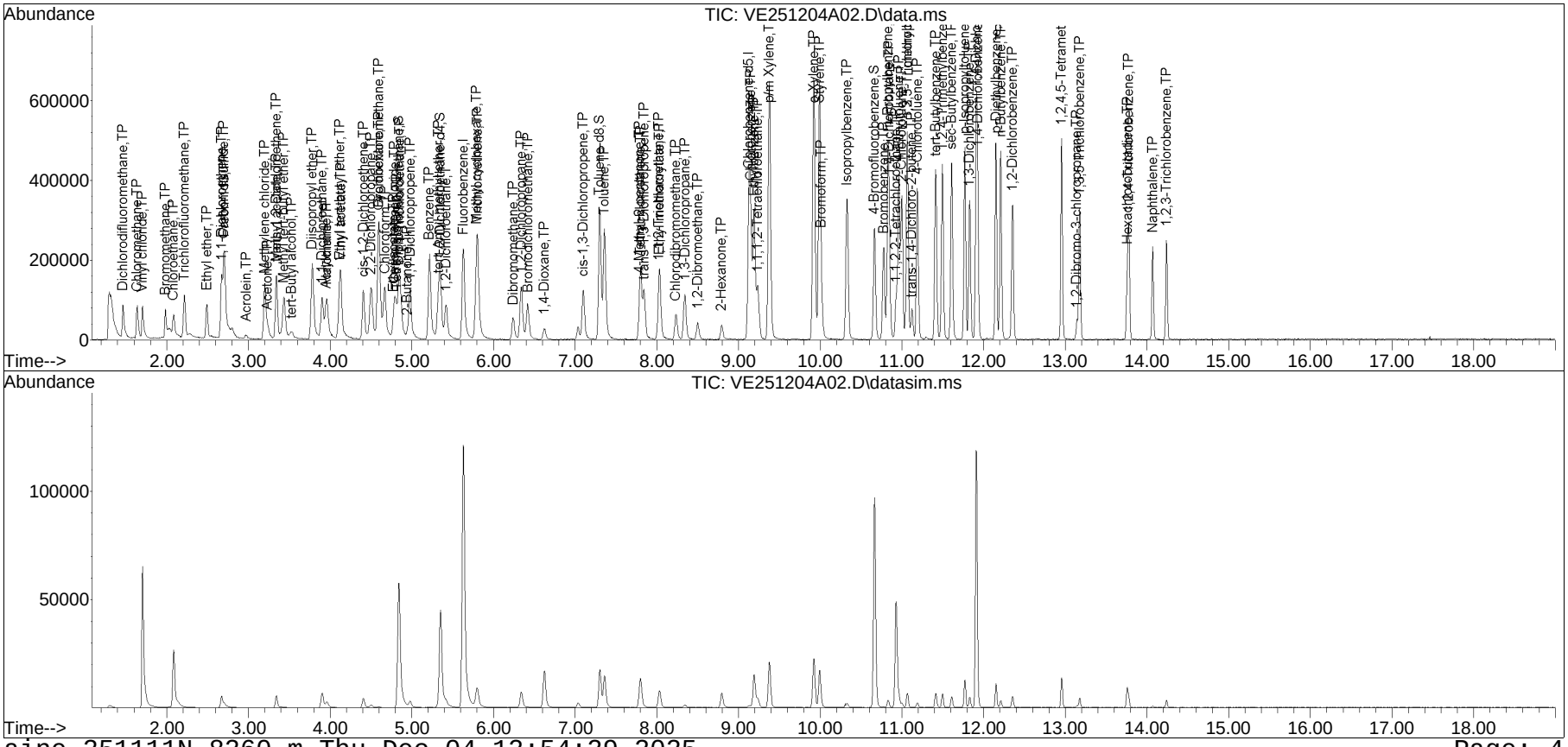
(#) = qualifier out of range (m) = manual integration (+) = signals summed

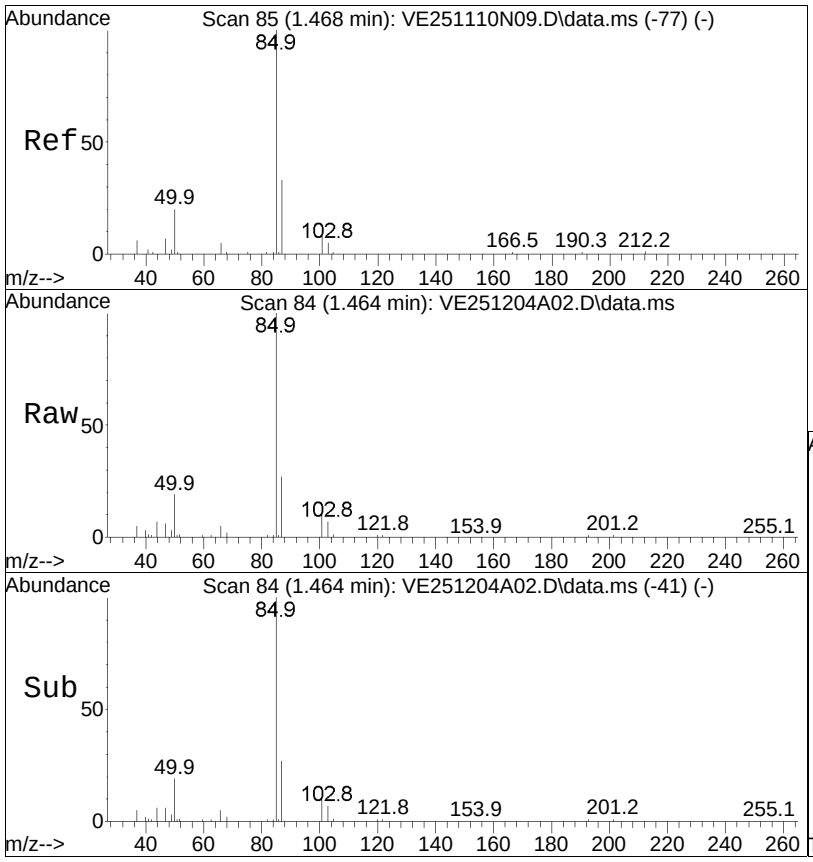
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A02.D
Acq On : 4 Dec 2025 7:48 am
Operator : ELAINE:PID
Sample : WG2149663-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 08:17:27 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

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

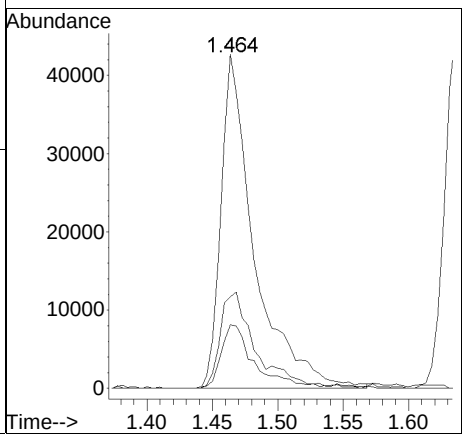


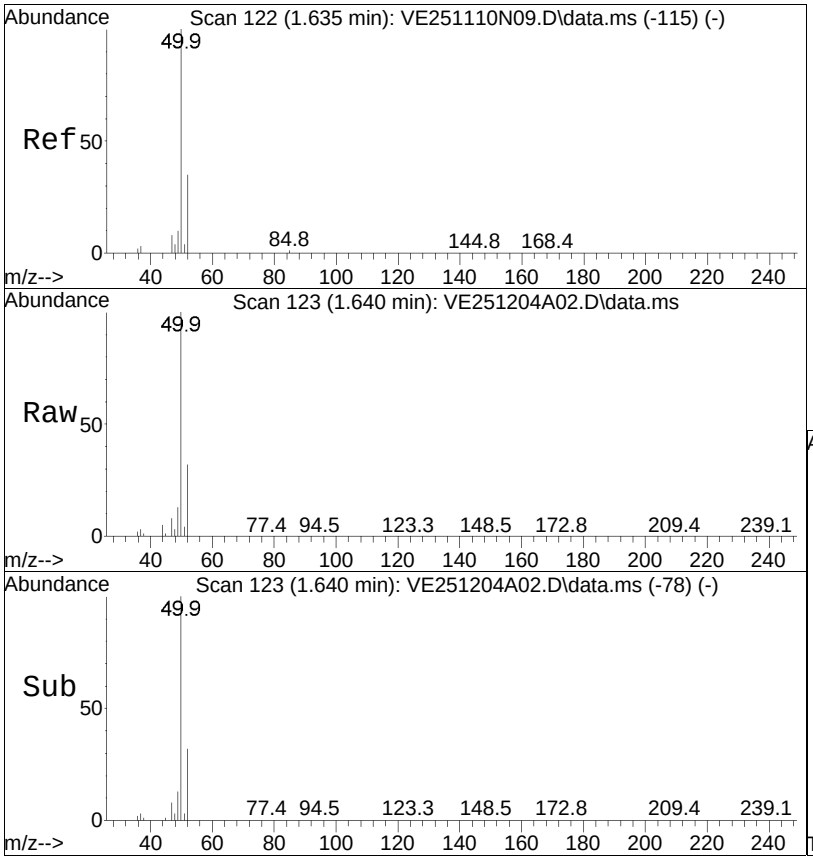


#2
Dichlorodifluoromethane
Concen: 10.54 ug/L
RT: 1.464 min Scan# 84
Delta R.T. -0.004 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 85 Resp: 75832

Ion	Ratio	Lower	Upper
85	100		
87	30.5	20.6	42.8
50	19.2	12.9	26.9

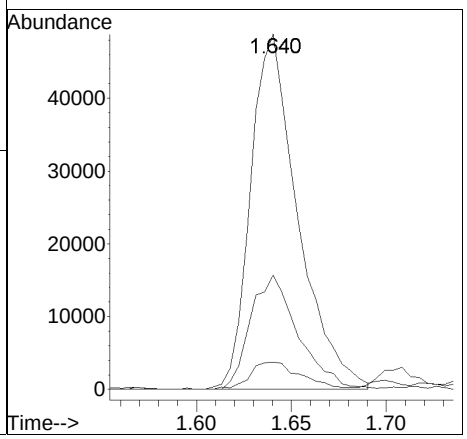


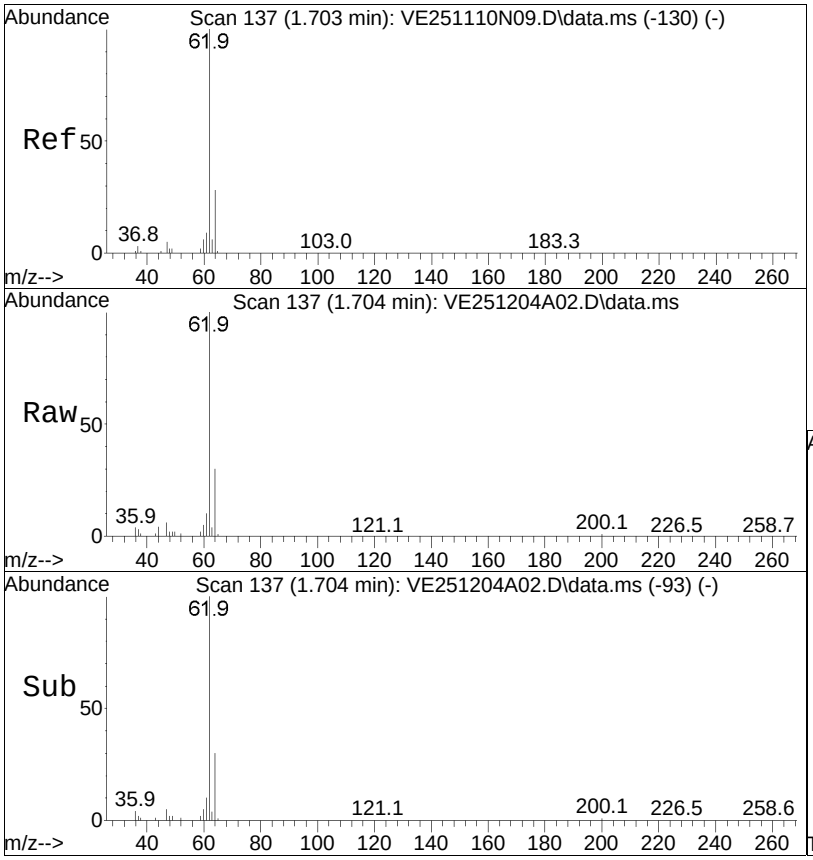


#3
Chloromethane
Concen: 8.79 ug/L
RT: 1.640 min Scan# 123
Delta R.T. 0.005 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 50 Resp: 84569

Ion	Ratio	Lower	Upper
50	100		
52	32.5	13.7	53.7
47	8.4	0.0	27.6

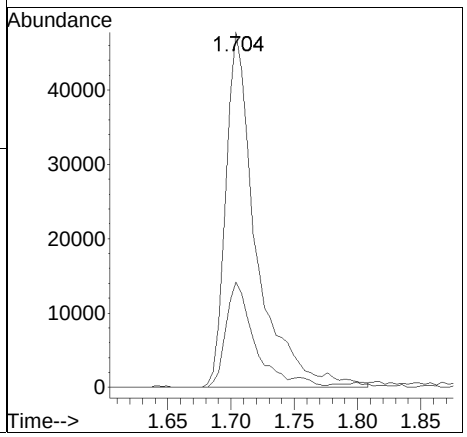


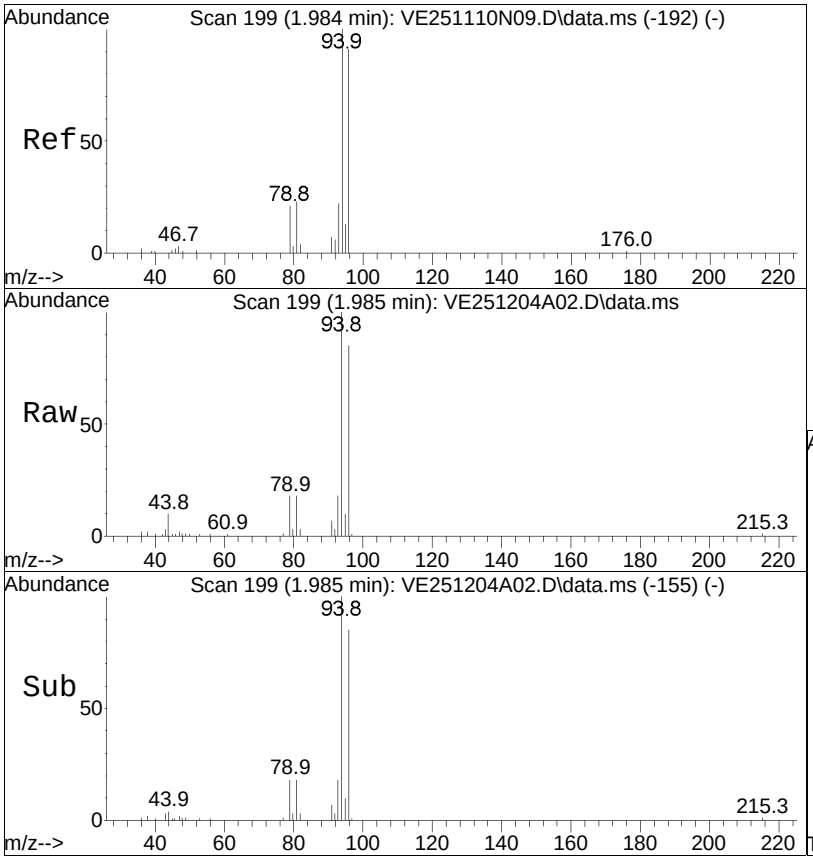


#4
Vinyl chloride
Concen: 10.73 ug/L
RT: 1.704 min Scan# 137
Delta R.T. 0.001 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 62 Resp: 80412

Ion	Ratio	Lower	Upper
62	100		
64	27.2	10.6	50.6

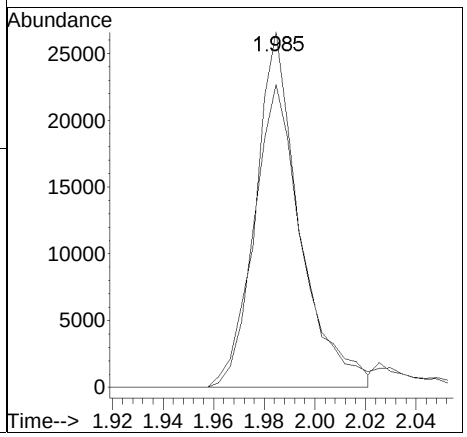


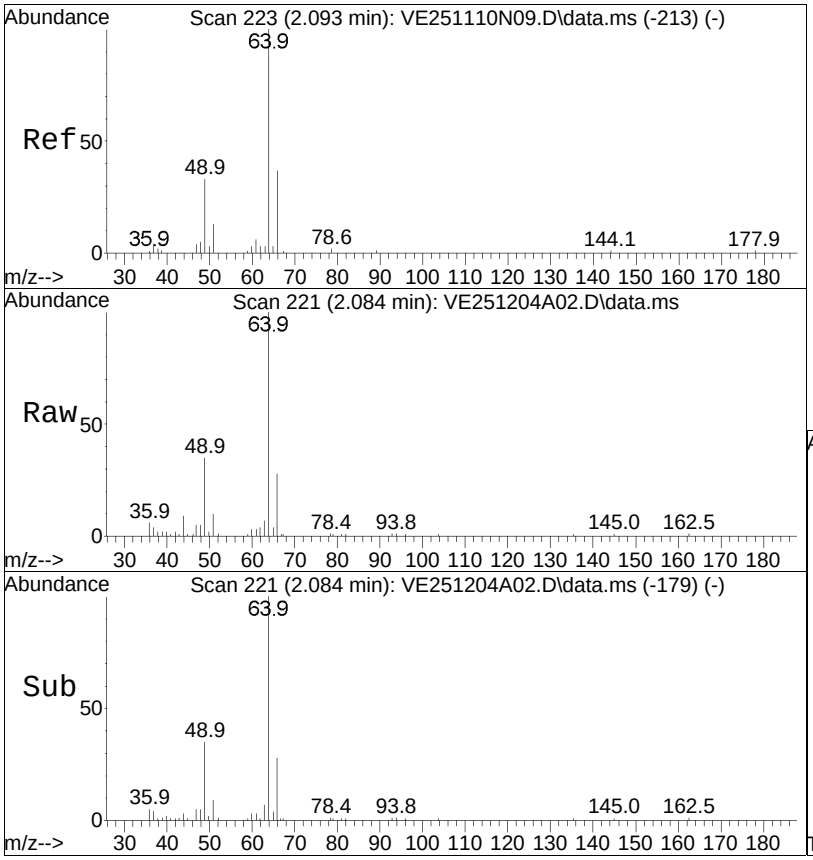


#5
Bromomethane
Concen: 9.45 ug/L
RT: 1.985 min Scan# 199
Delta R.T. 0.001 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 94 Resp: 32409

Ion	Ratio	Lower	Upper
94	100		
96	97.3	71.9	111.9

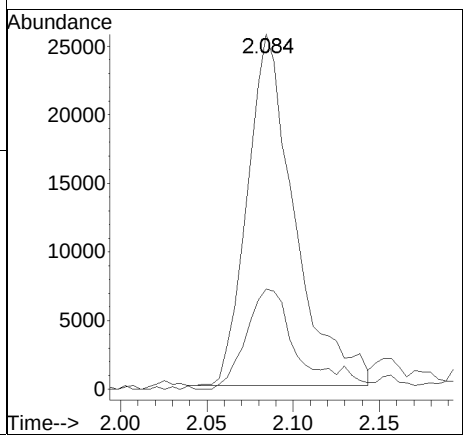


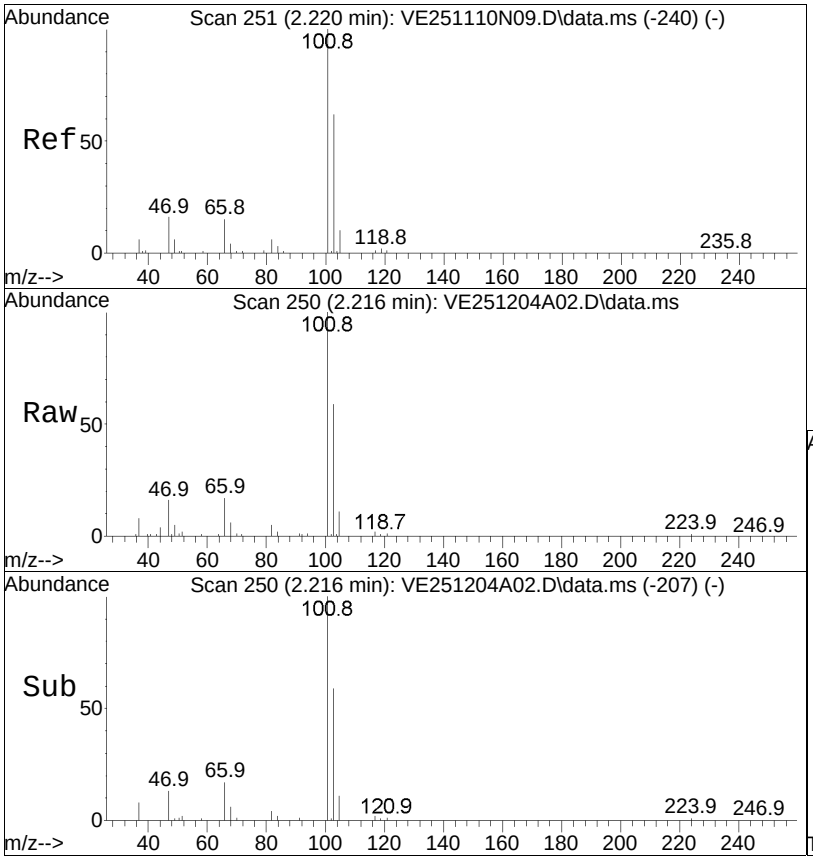


#6
Chloroethane
Concen: 10.06 ug/L
RT: 2.084 min Scan# 221
Delta R.T. -0.009 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 64 Resp: 49115

Ion	Ratio	Lower	Upper
64	100		
66	30.9	12.2	52.2

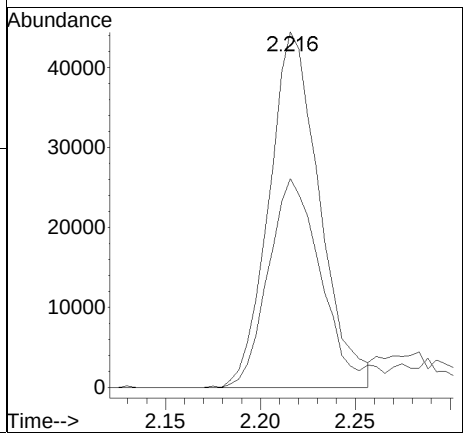


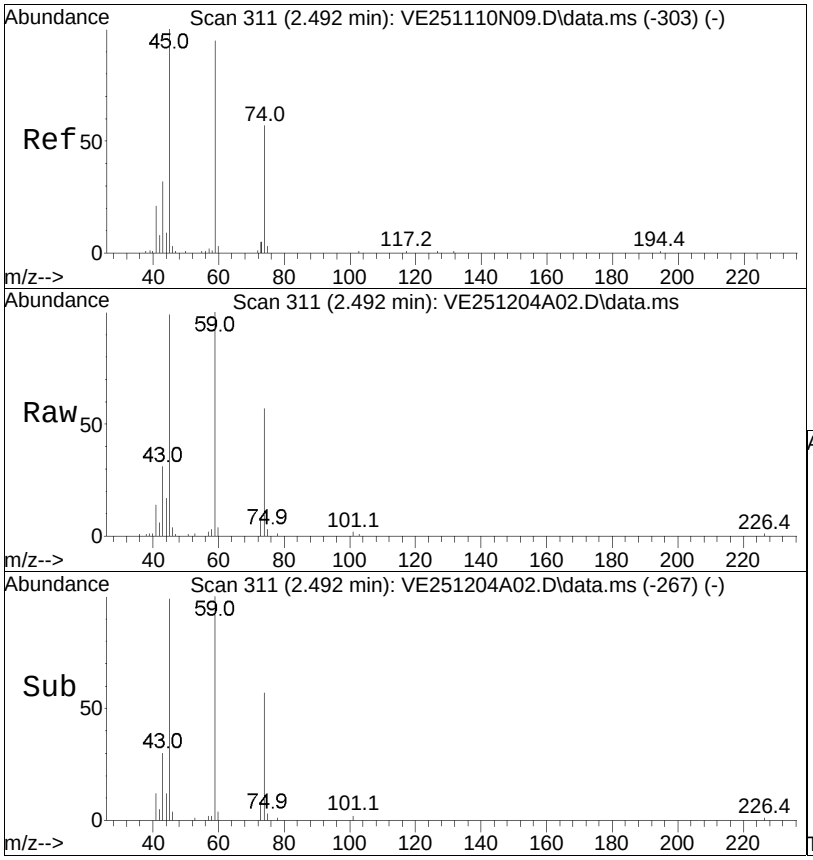


#7
Trichlorofluoromethane
Concen: 9.27 ug/L
RT: 2.216 min Scan# 250
Delta R.T. -0.004 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:101 Resp: 82189

Ion	Ratio	Lower	Upper
101	100		
103	60.2	49.4	74.0

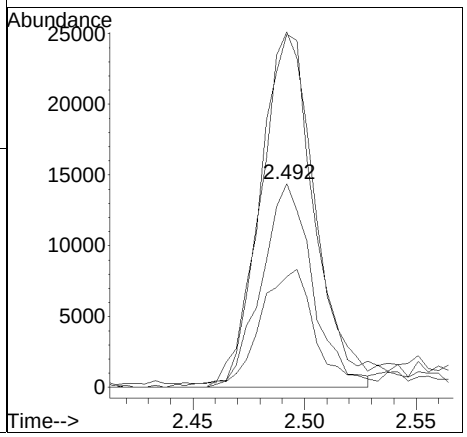


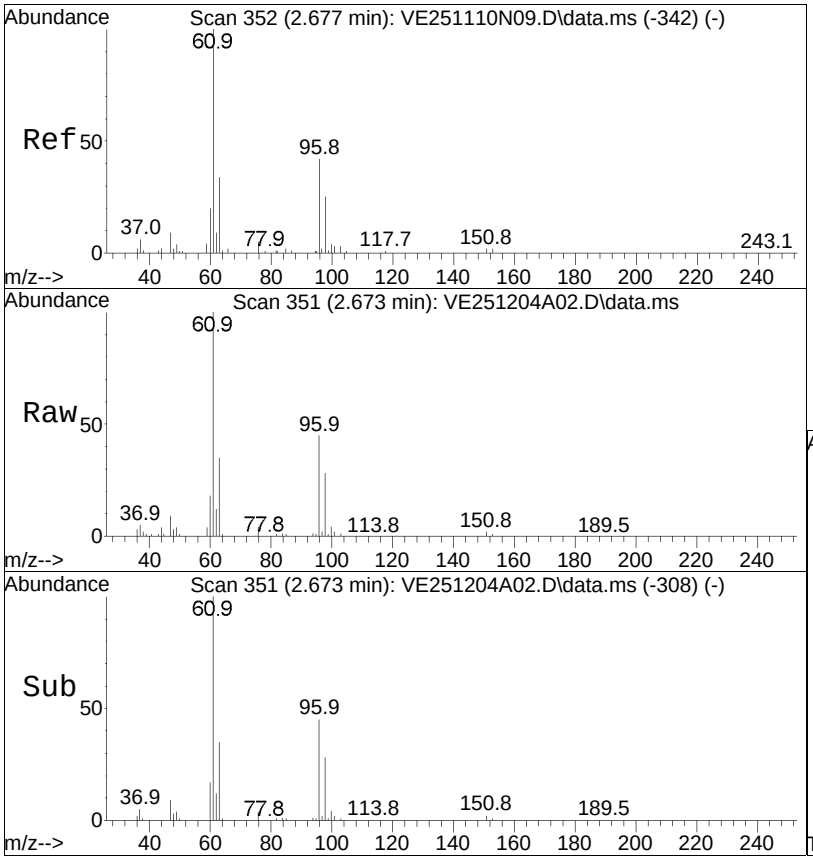


#8
Ethyl ether
Concen: 7.92 ug/L
RT: 2.492 min Scan# 311
Delta R.T. 0.000 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 74 Resp: 22957

Ion	Ratio	Lower	Upper
74	100		
59	187.9	114.5	237.9
45	192.5	120.8	250.8
43	58.3	42.9	89.1

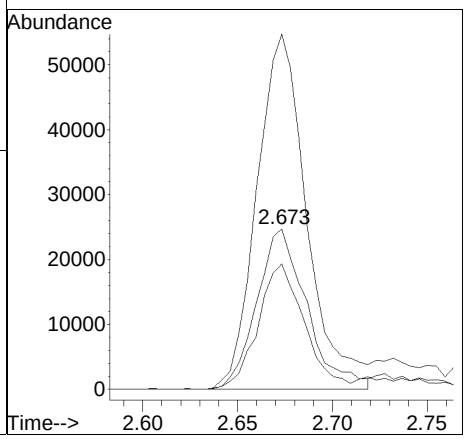


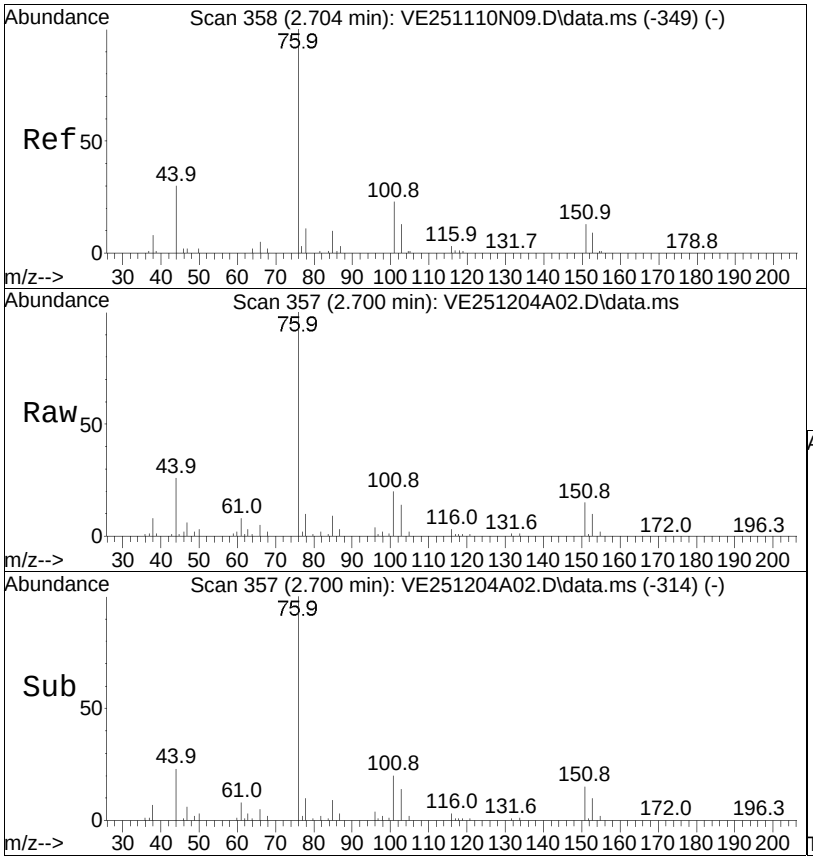


#10
1,1-Dichloroethene
Concen: 9.28 ug/L
RT: 2.673 min Scan# 351
Delta R.T. -0.004 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 96 Resp: 45446

Ion	Ratio	Lower	Upper
96	100		
61	220.3	190.2	285.2
63	72.2	59.9	89.9

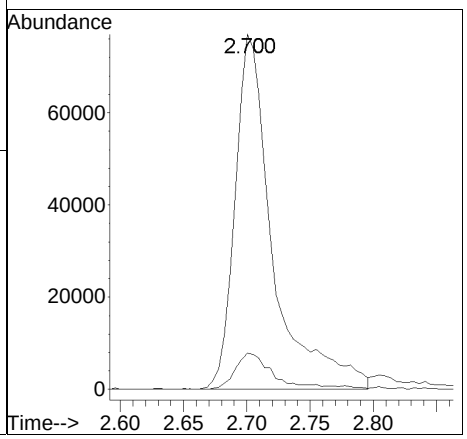


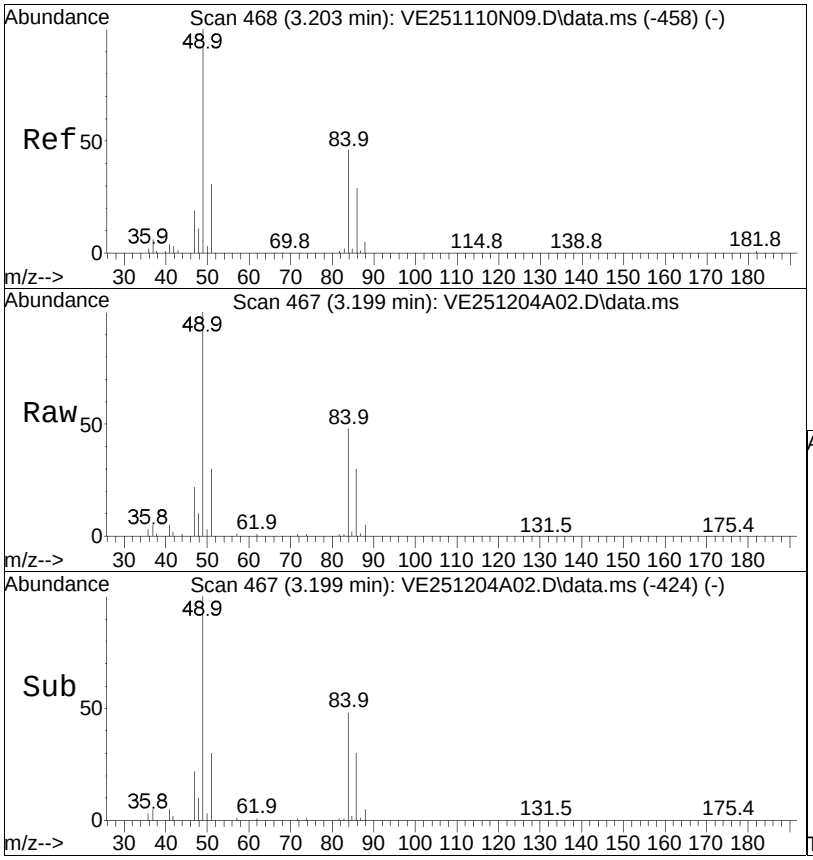


#11
Carbon disulfide
Concen: 9.72 ug/L
RT: 2.700 min Scan# 357
Delta R.T. -0.004 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 76 Resp: 161079

Ion	Ratio	Lower	Upper
76	100		
78	10.2	6.6	13.8

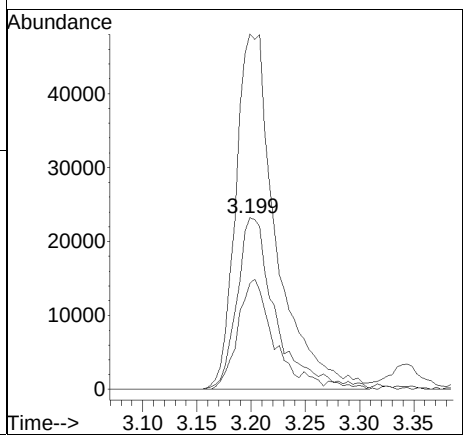


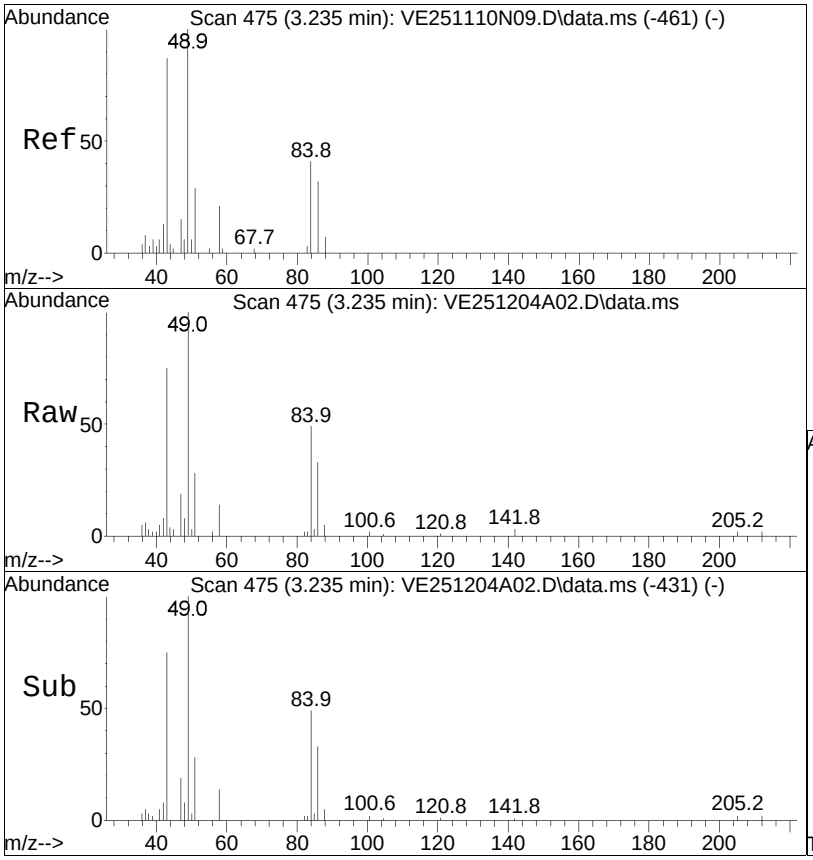


#15
Methylene chloride
Concen: 9.70 ug/L
RT: 3.199 min Scan# 467
Delta R.T. -0.004 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 84 Resp: 57777

Ion	Ratio	Lower	Upper
84	100		
86	56.6	41.8	86.8
49	216.1	141.8	294.6

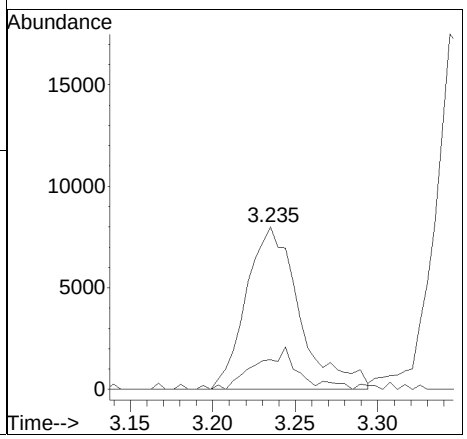


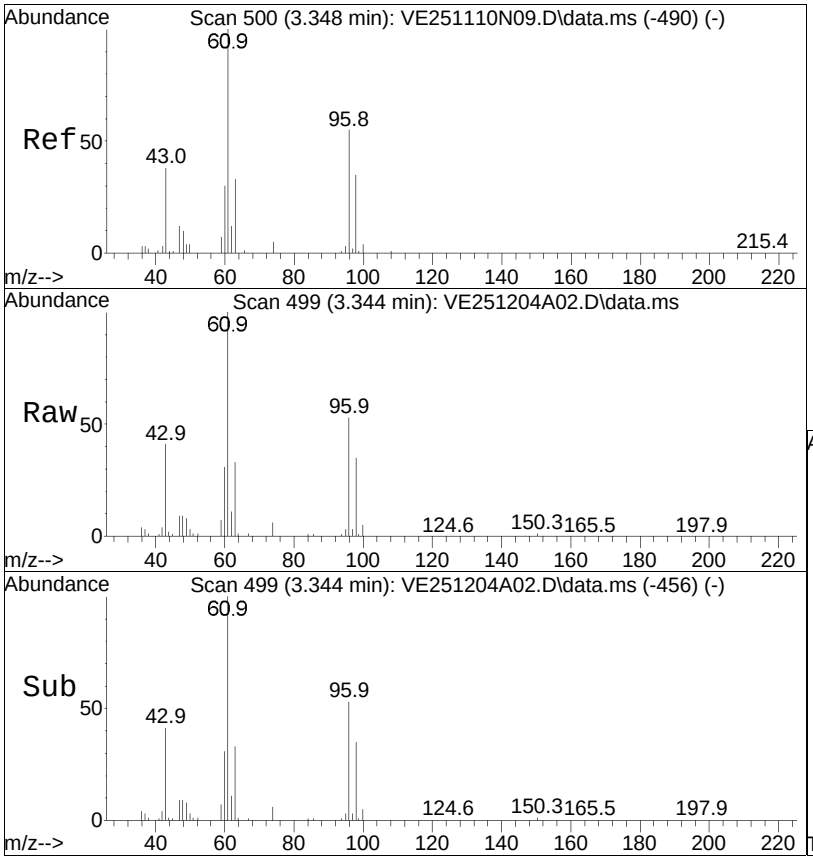


#17
Acetone
Concen: 9.39 ug/L
RT: 3.235 min Scan# 475
Delta R.T. -0.000 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 43 Resp: 18089

Ion	Ratio	Lower	Upper
43	100		
58	18.6	16.2	24.4

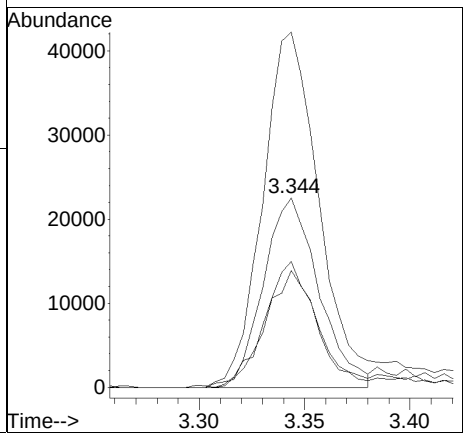


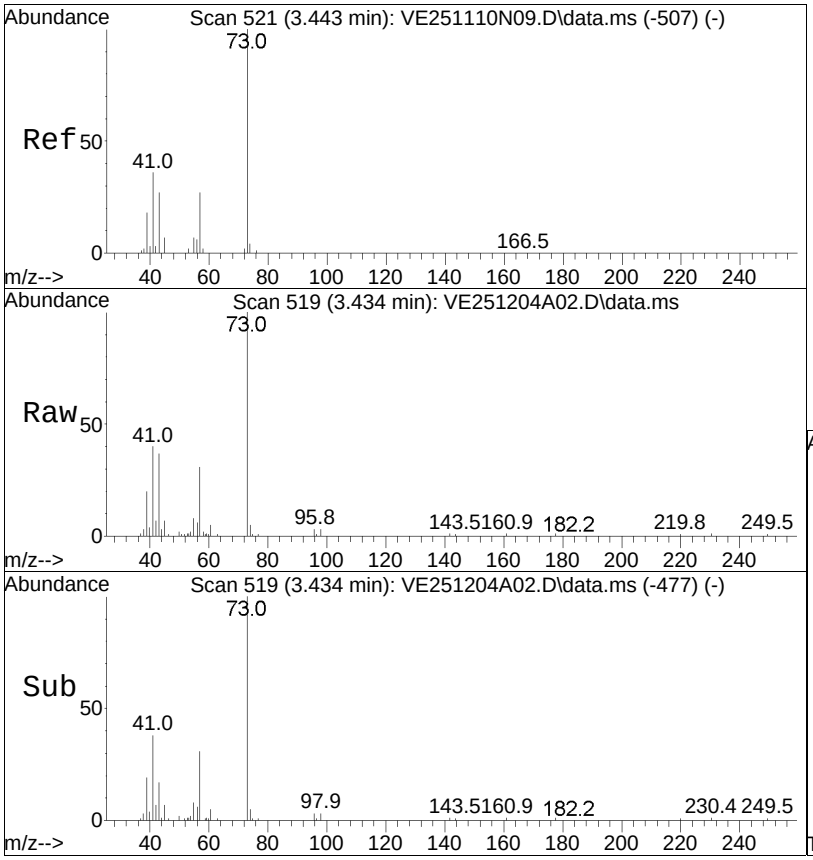


#18
trans-1,2-Dichloroethene
Concen: 8.84 ug/L
RT: 3.344 min Scan# 499
Delta R.T. -0.004 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 96 Resp: 41308

Ion	Ratio	Lower	Upper
96	100		
61	200.4	118.2	245.6
98	63.1	41.9	86.9
63	58.0	39.4	81.8

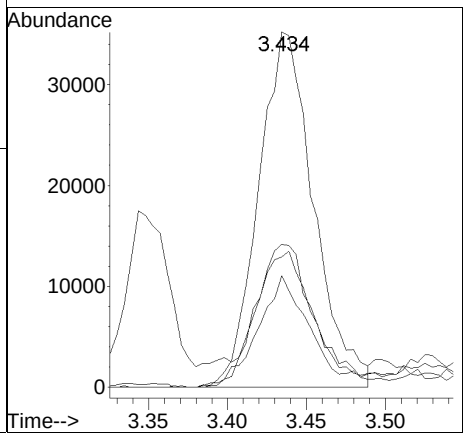


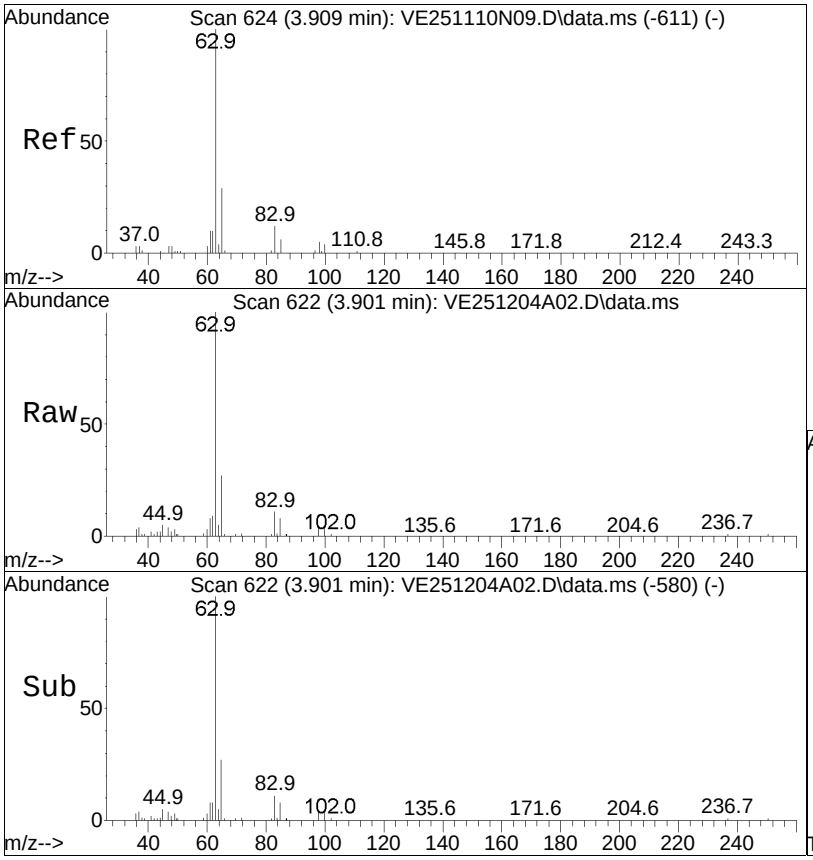


#21
Methyl tert-butyl ether
Concen: 7.87 ug/L
RT: 3.434 min Scan# 519
Delta R.T. -0.009 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 73 Resp: 85531

Ion	Ratio	Lower	Upper
73	100		
57	30.6	21.3	44.1
43	40.7	0.0	0.0#
41	41.7	30.0	62.2

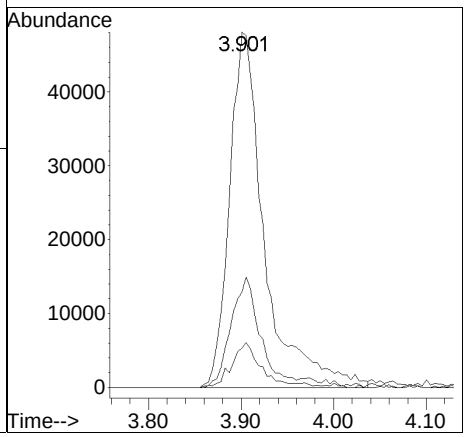


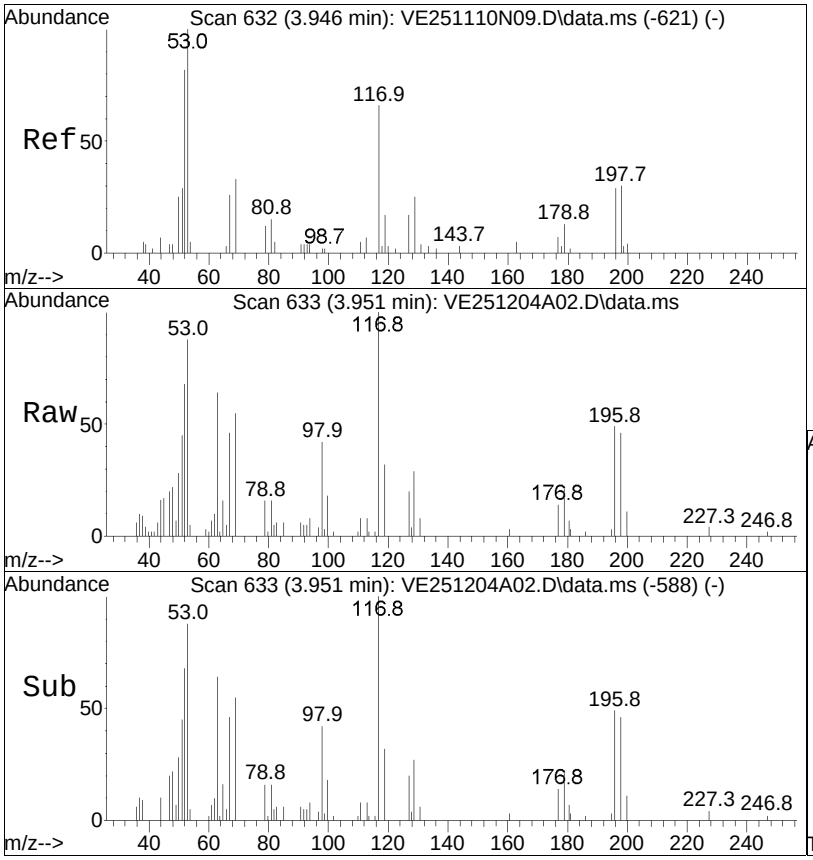


#25
1,1-Dichloroethane
Concen: 10.05 ug/L
RT: 3.901 min Scan# 622
Delta R.T. -0.008 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 63 Resp: 126561

Ion	Ratio	Lower	Upper
63	100		
65	26.0	8.6	48.6
83	10.3	0.0	30.7

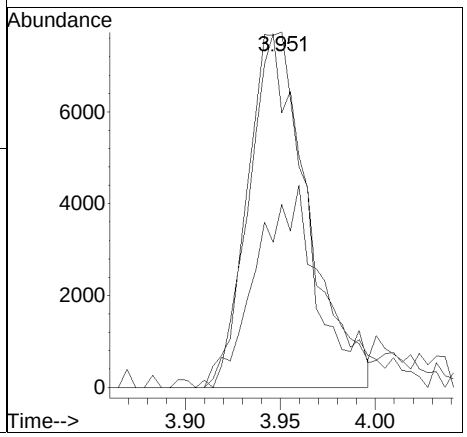


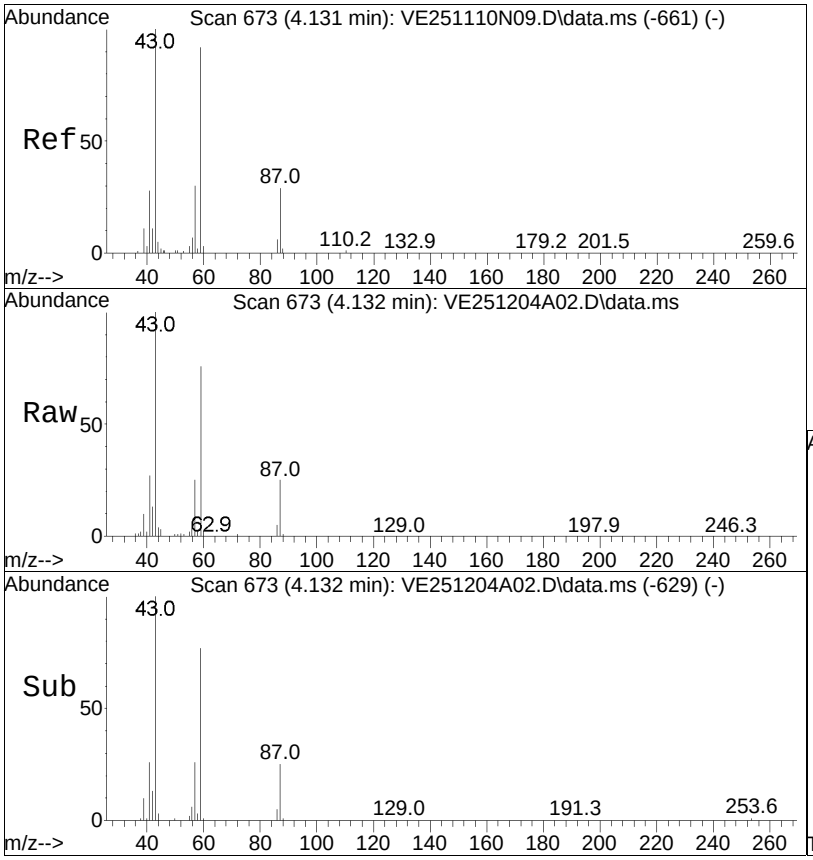


#27
Acrylonitrile
Concen: 8.31 ug/L
RT: 3.951 min Scan# 633
Delta R.T. 0.005 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 53 Resp: 17338

Ion	Ratio	Lower	Upper
53	100		
52	88.6	69.8	104.6
51	65.0	50.4	75.6

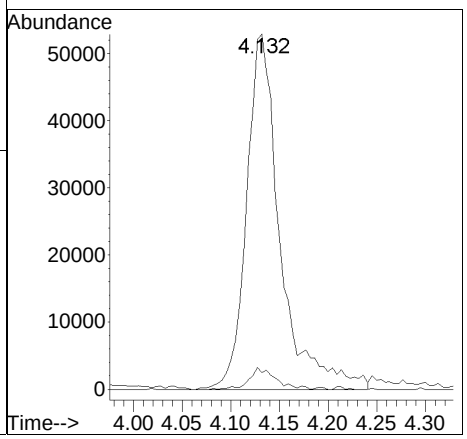


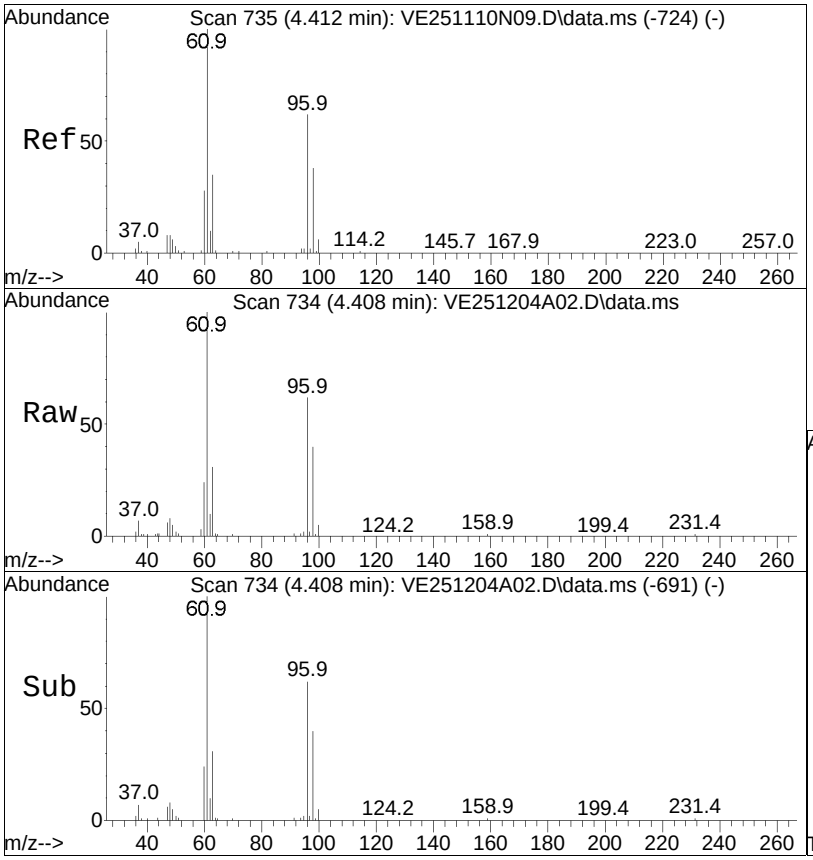


#29
Vinyl acetate
Concen: 8.85 ug/L
RT: 4.132 min Scan# 673
Delta R.T. 0.001 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 43 Resp: 127007

Ion	Ratio	Lower	Upper
43	100		
86	4.6	3.8	5.8

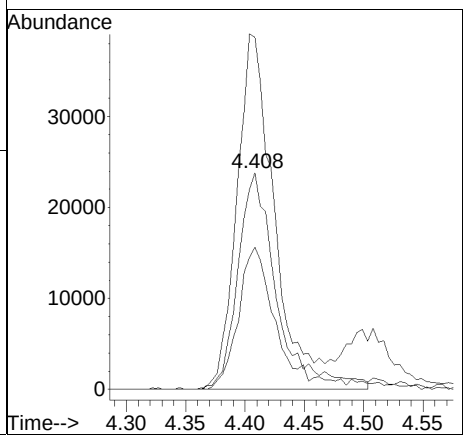


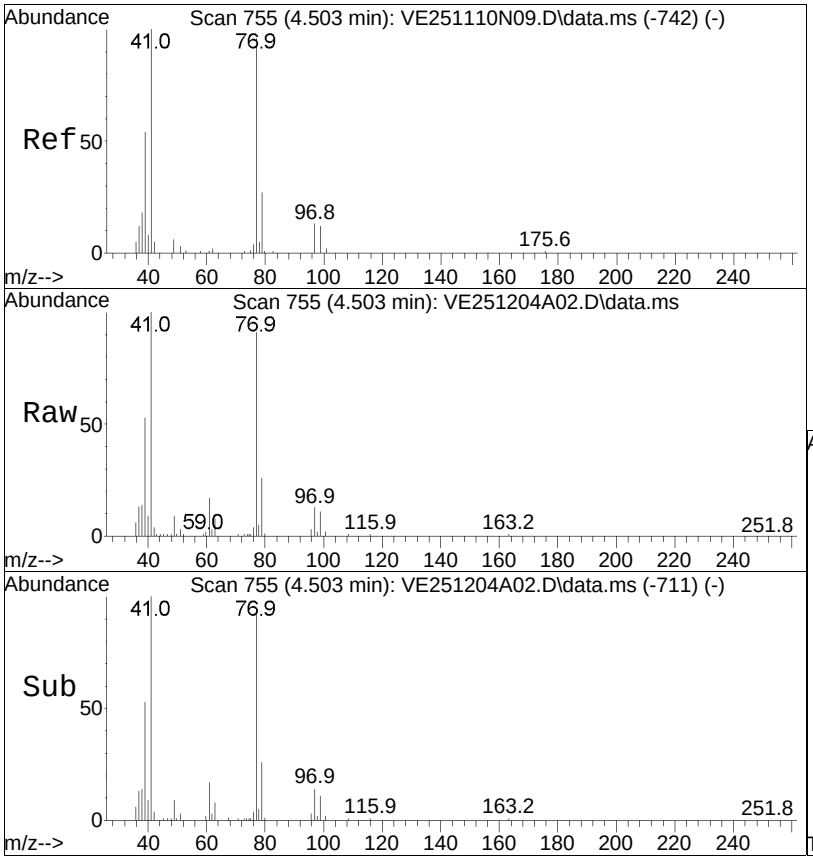


#30
cis-1,2-Dichloroethene
Concen: 9.71 ug/L
RT: 4.408 min Scan# 734
Delta R.T. -0.004 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 96 Resp: 54463

Ion	Ratio	Lower	Upper
96	100		
61	156.1	153.3	229.9
98	61.0	52.8	79.2

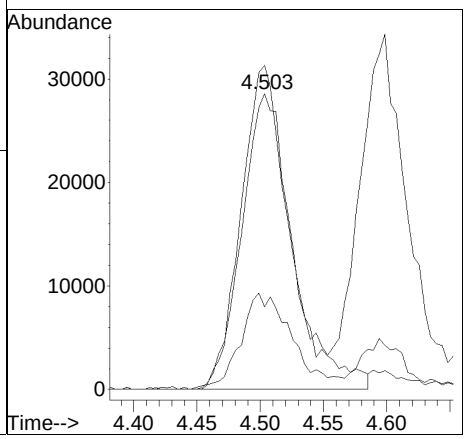


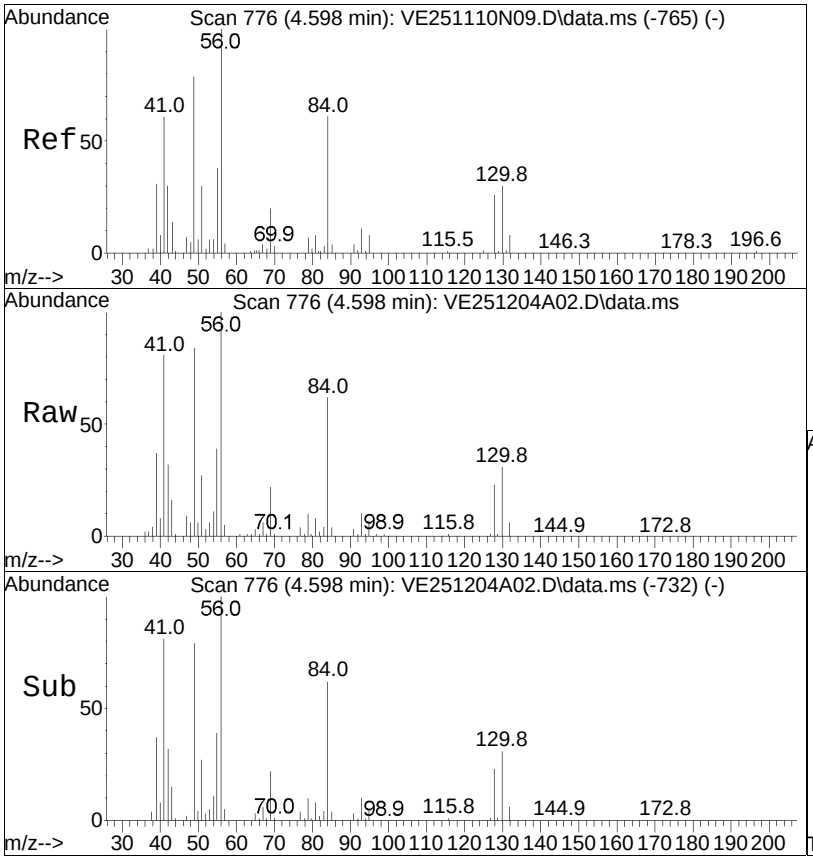


#31
2,2-Dichloropropane
Concen: 10.14 ug/L
RT: 4.503 min Scan# 755
Delta R.T. 0.000 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 77 Resp: 80368

Ion	Ratio	Lower	Upper
77	100		
41	101.2	64.5	134.1
79	32.7	20.8	43.2

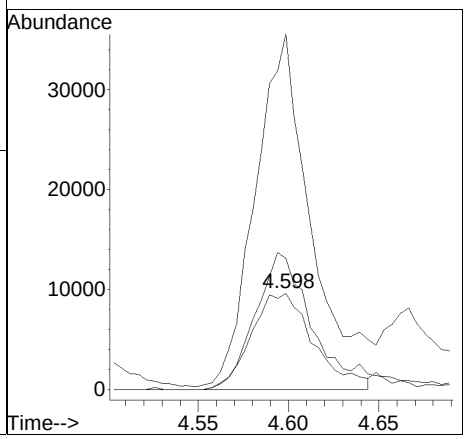


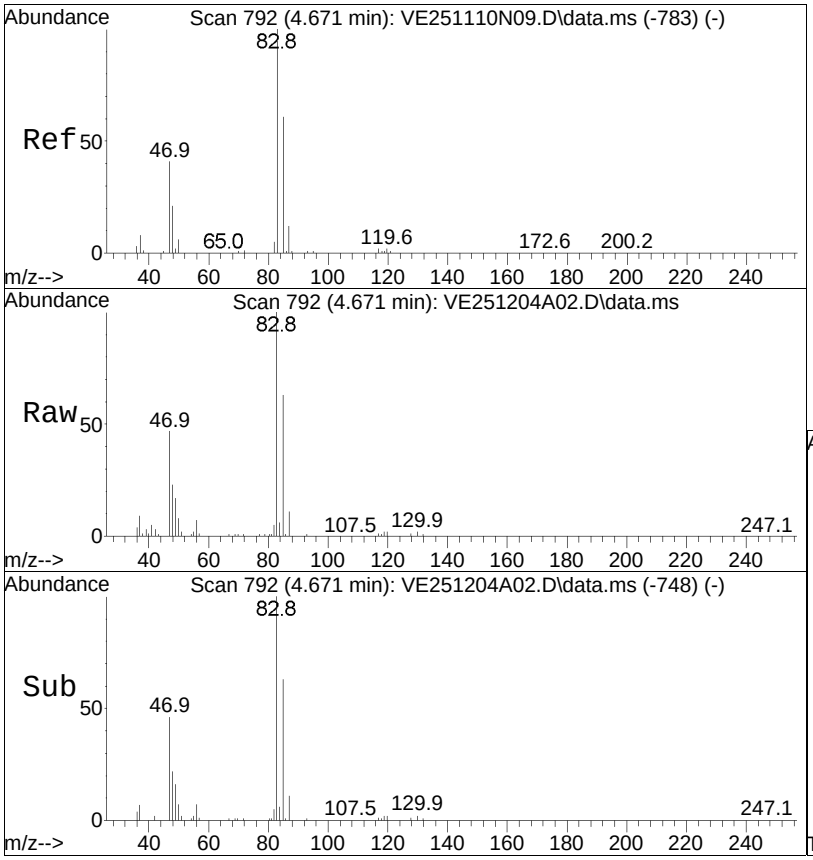


#33
Bromochloromethane
Concen: 9.36 ug/L
RT: 4.598 min Scan# 776
Delta R.T. 0.000 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:128 Resp: 23060

Ion	Ratio	Lower	Upper
128	100		
49	331.2	295.7	443.5
130	141.4	101.9	152.9

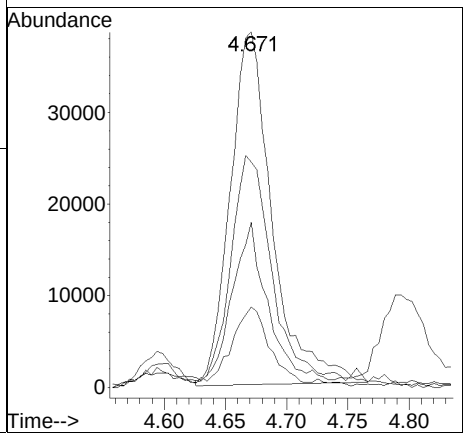


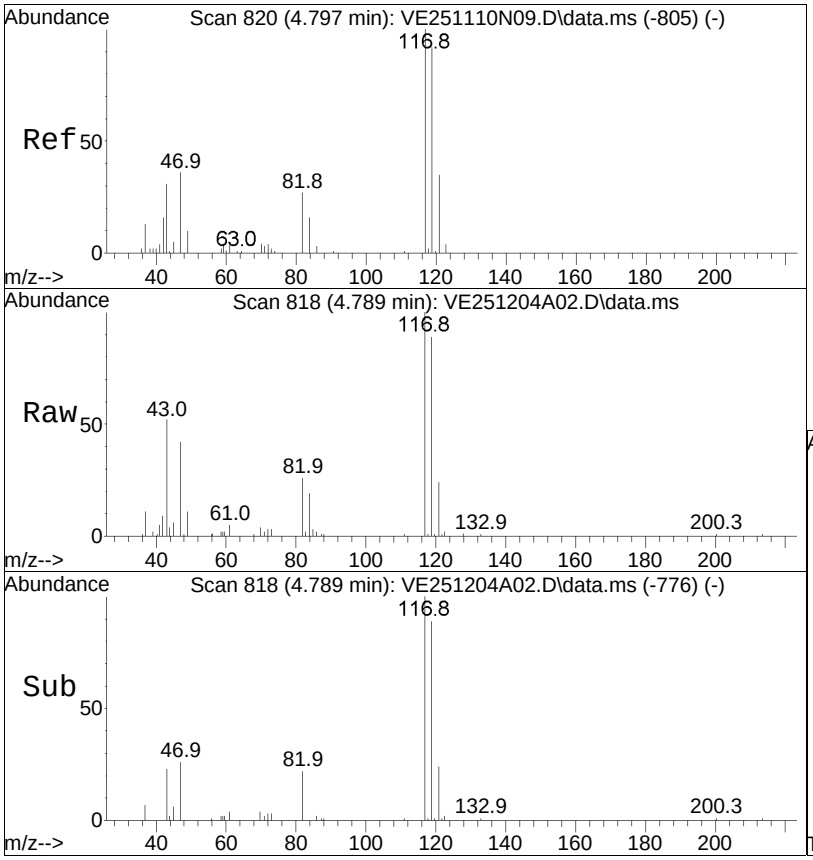


#35
Chloroform
Concen: 9.18 ug/L
RT: 4.671 min Scan# 792
Delta R.T. -0.000 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 83 Resp: 92720

Ion	Ratio	Lower	Upper
83	100		
85	61.3	42.4	88.2
47	36.9	23.7	49.3
48	21.0	14.4	29.8

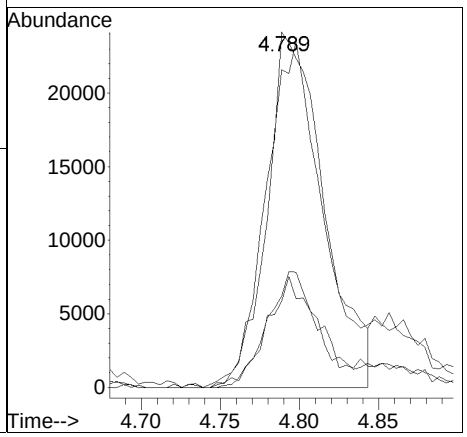


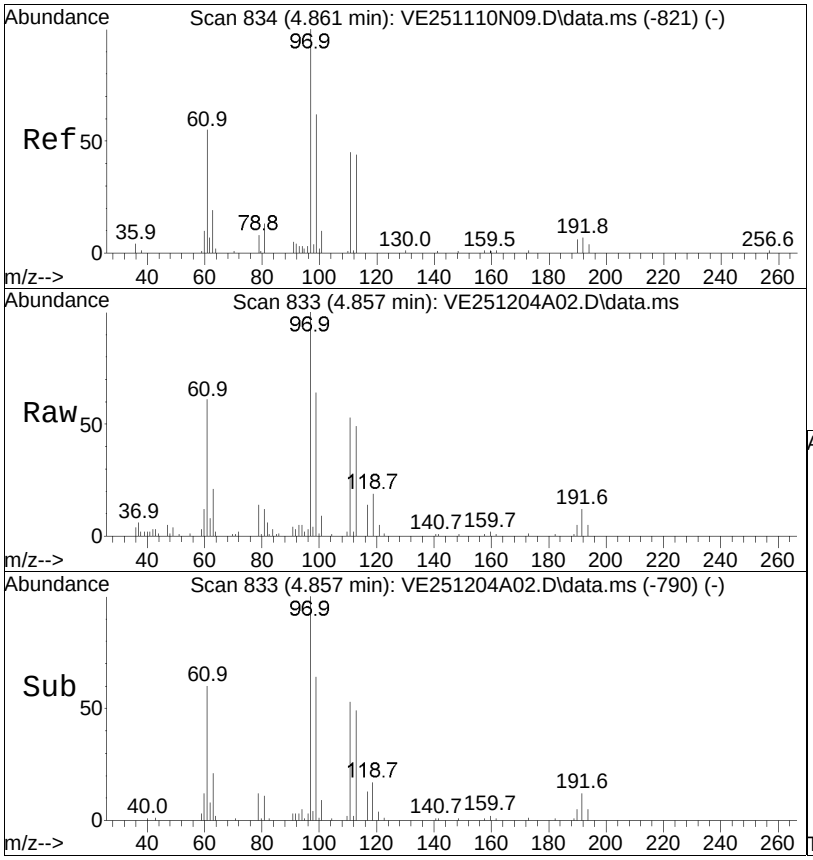


#37
Carbon tetrachloride
Concen: 10.42 ug/L
RT: 4.789 min Scan# 818
Delta R.T. -0.008 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:117 Resp: 62522

Ion	Ratio	Lower	Upper
117	100		
119	89.8	74.8	155.4
121	27.3	23.5	48.7
82	28.7	22.5	46.7

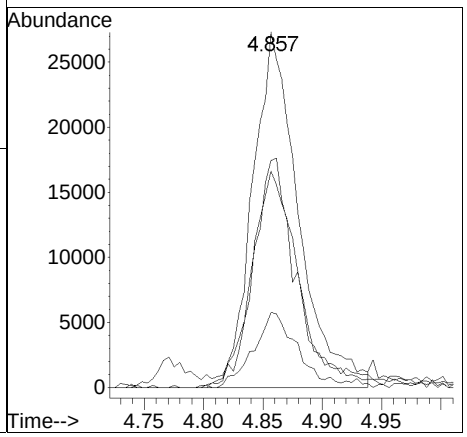


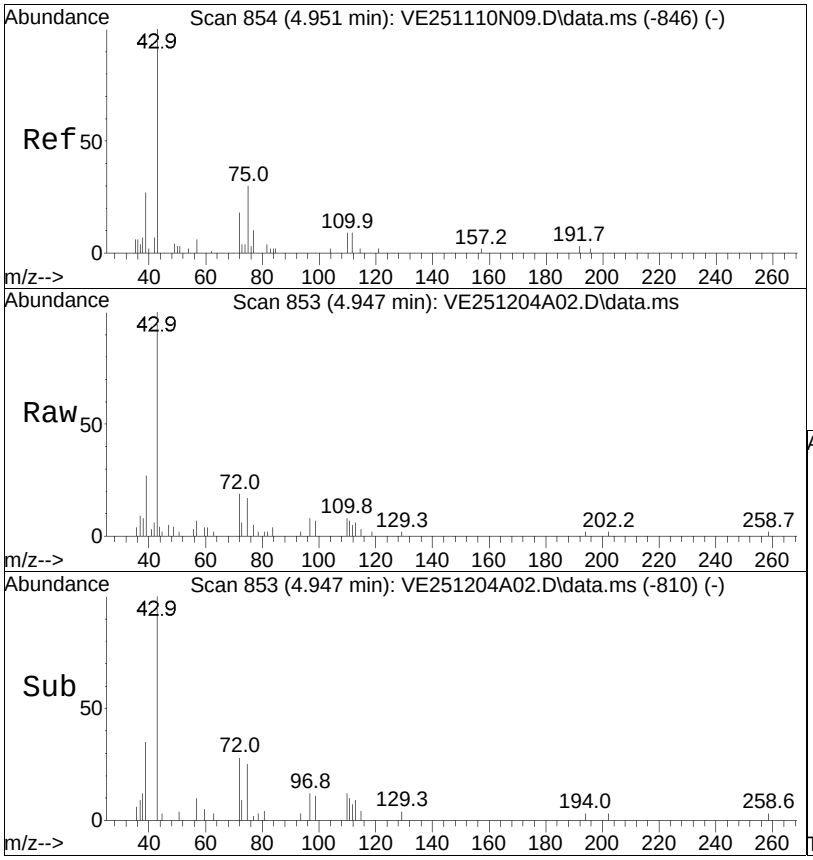


#40
1,1,1-Trichloroethane
Concen: 9.70 ug/L
RT: 4.857 min Scan# 833
Delta R.T. -0.004 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 97 Resp: 73552

Ion	Ratio	Lower	Upper
97	100		
99	64.5	40.7	84.5
61	58.3	40.5	84.1
63	20.0	11.8	24.6

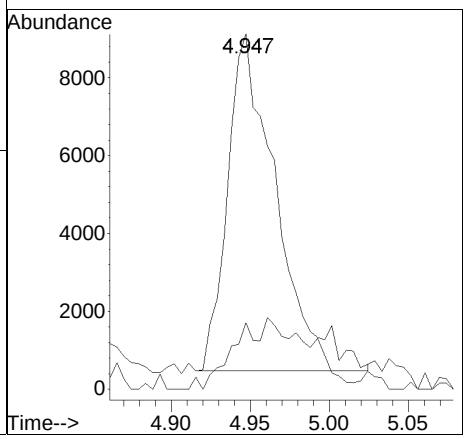


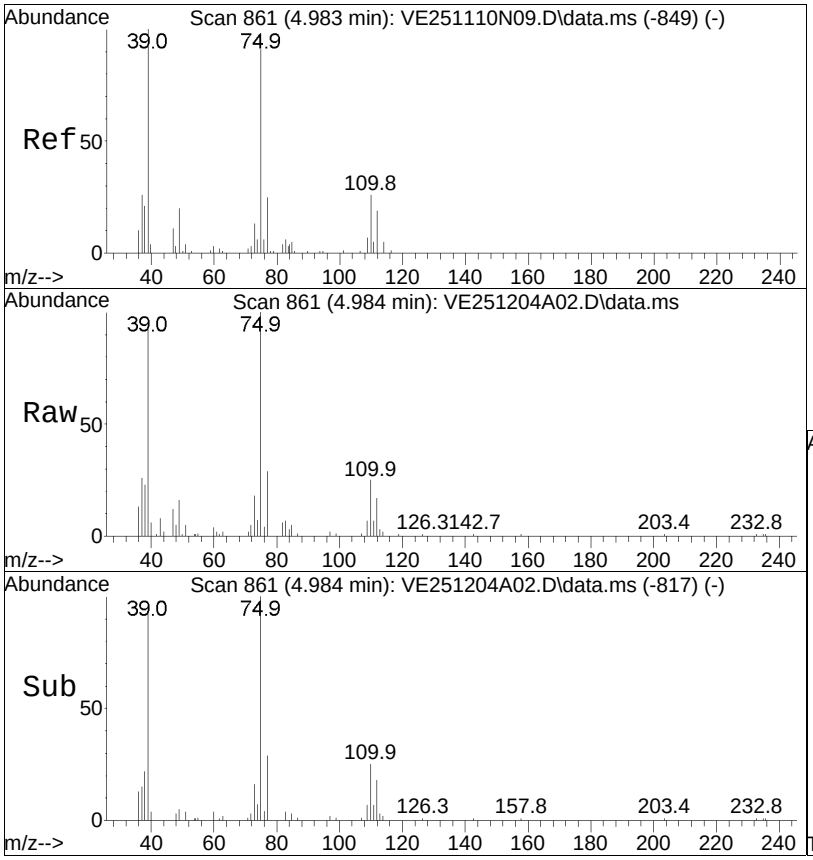


#42
2-Butanone
Concen: 7.74 ug/L
RT: 4.947 min Scan# 853
Delta R.T. -0.004 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 43 Resp: 18694

Ion	Ratio	Lower	Upper
43	100		
72	12.2	22.8	34.2#

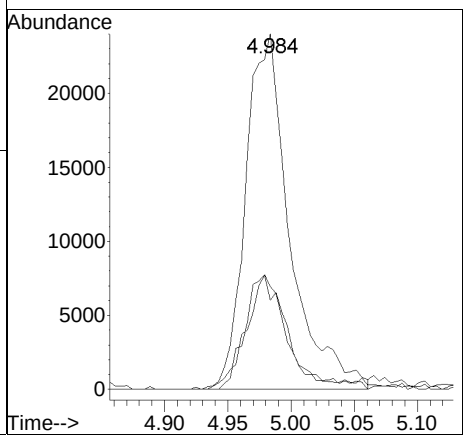


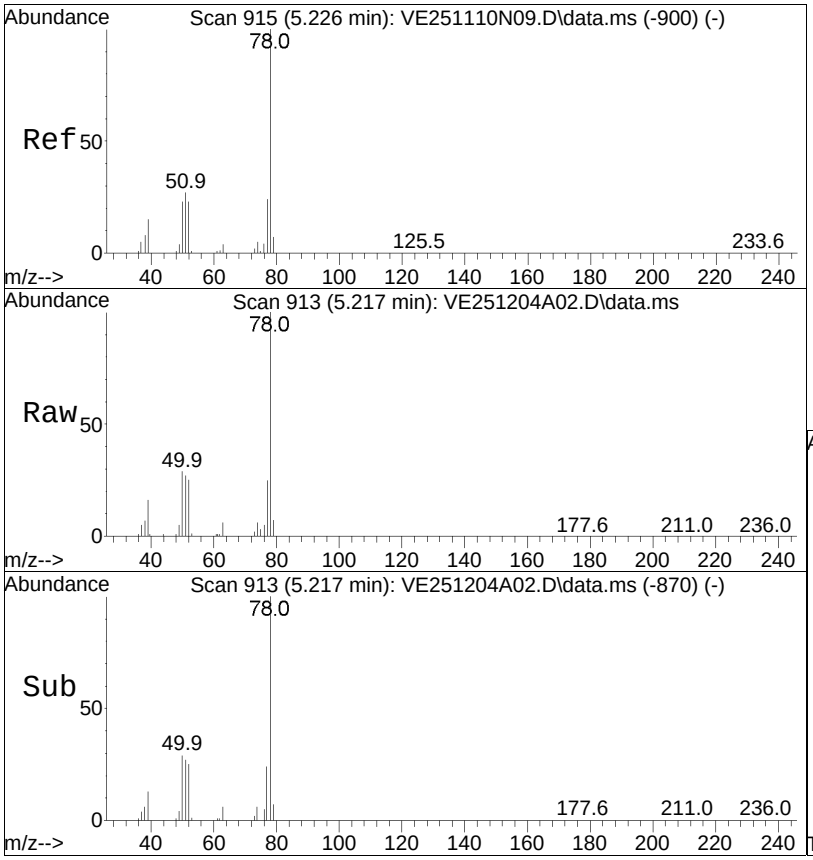


#43
1,1-Dichloropropene
Concen: 9.07 ug/L
RT: 4.984 min Scan# 861
Delta R.T. 0.001 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 75 Resp: 58161

Ion	Ratio	Lower	Upper
75	100		
110	29.7	20.5	42.7
77	31.1	20.0	41.6

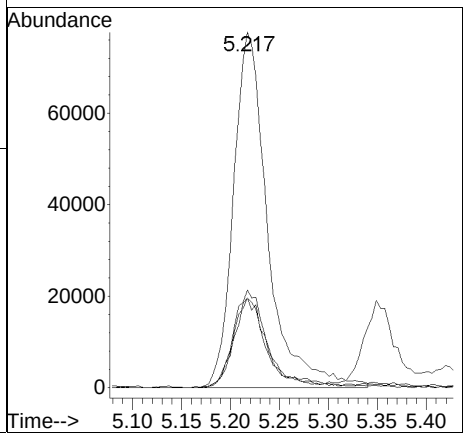


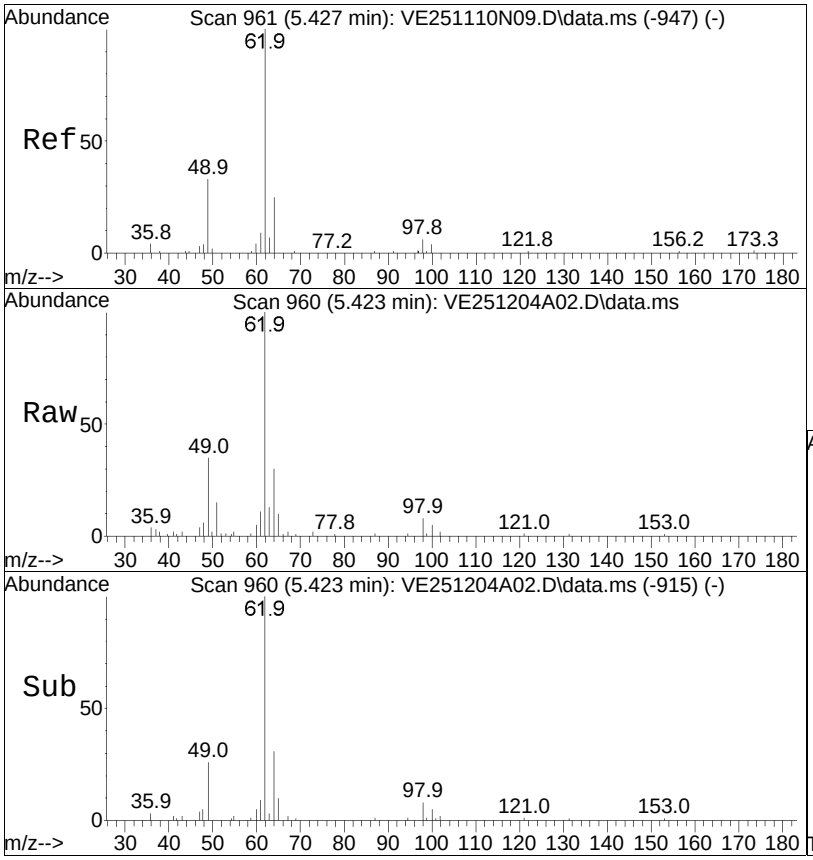


#45
Benzene
Concen: 9.29 ug/L
RT: 5.217 min Scan# 913
Delta R.T. -0.009 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 78 Resp: 189079

Ion	Ratio	Lower	Upper
78	100		
77	24.0	15.7	32.7
51	27.0	17.1	35.5
52	24.2	16.2	33.6

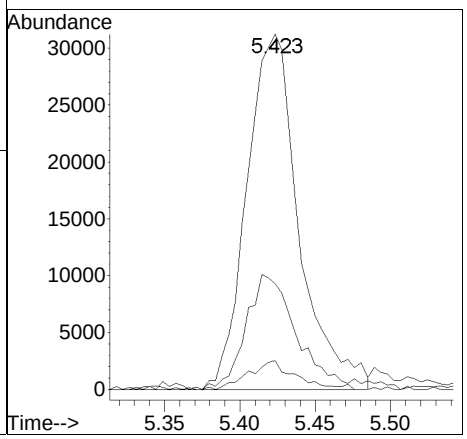


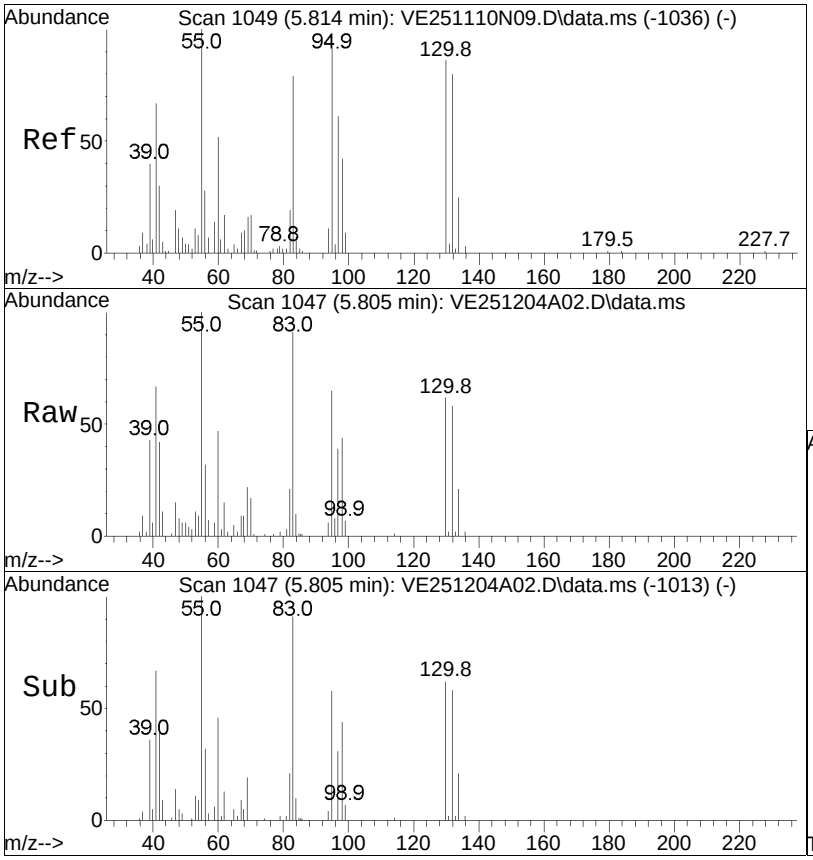


#48
1,2-Dichloroethane
Concen: 8.93 ug/L
RT: 5.423 min Scan# 960
Delta R.T. -0.004 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 62 Resp: 75171

Ion	Ratio	Lower	Upper
62	100		
64	31.2	10.9	50.9
98	7.3	0.0	27.2

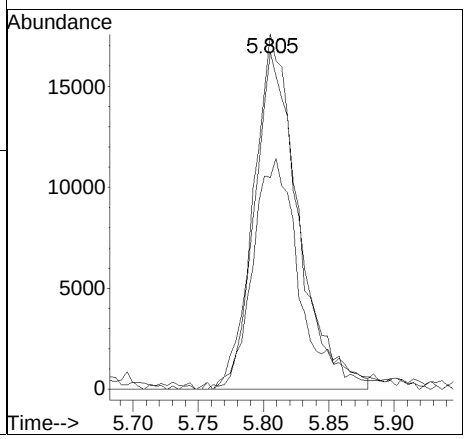


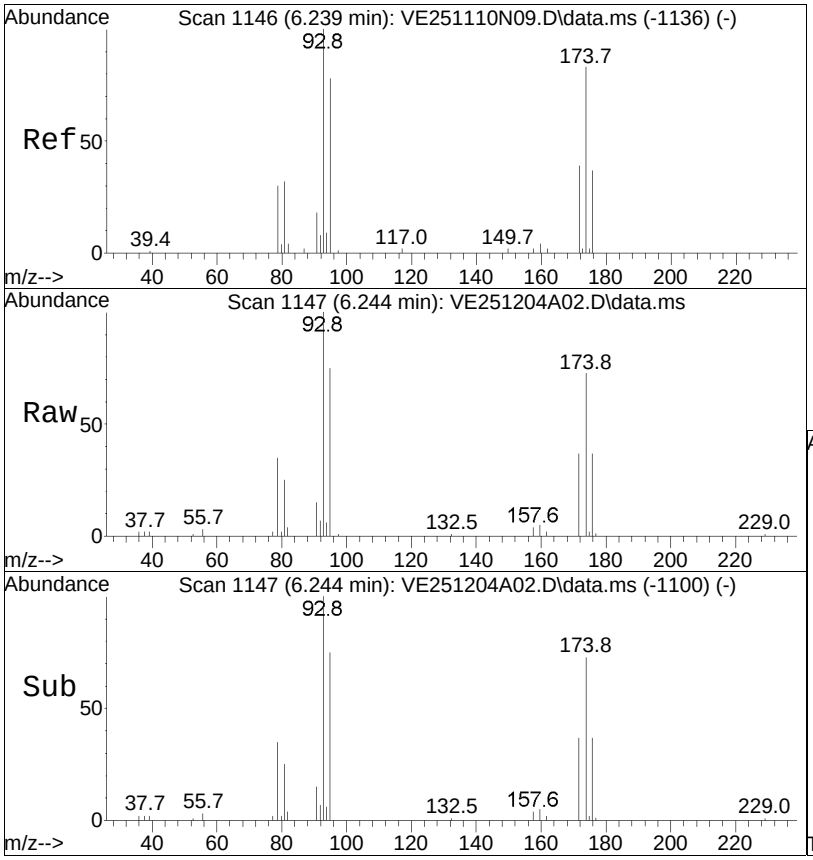


#52
Trichloroethene
Concen: 8.56 ug/L
RT: 5.805 min Scan# 1047
Delta R.T. -0.009 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 95 Resp: 42013

Ion	Ratio	Lower	Upper
95	100		
97	68.5	54.4	81.6
130	94.4	73.7	110.5

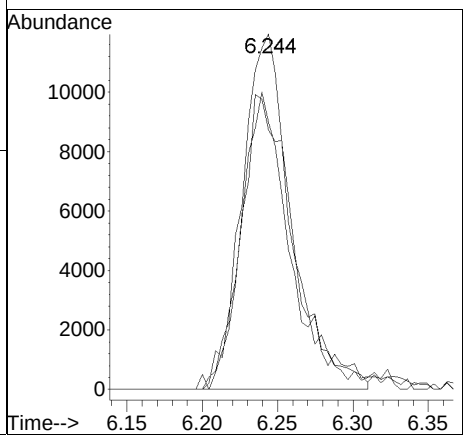


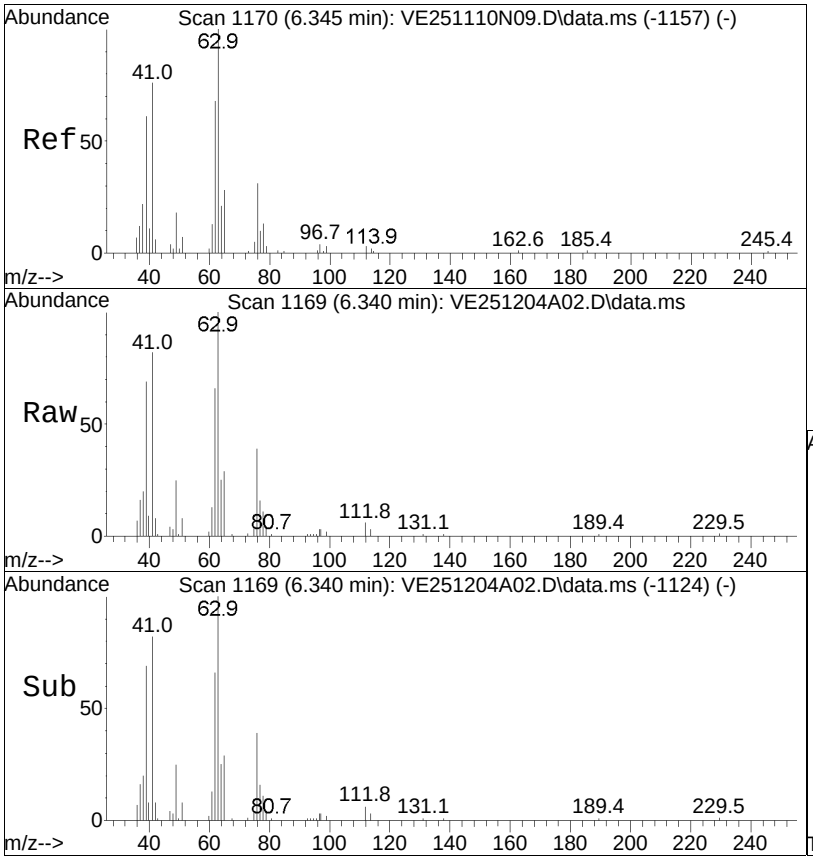


#54
Dibromomethane
Concen: 9.03 ug/L
RT: 6.244 min Scan# 1147
Delta R.T. 0.005 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 93 Resp: 27324

Ion	Ratio	Lower	Upper
93	100		
95	83.9	67.4	101.0
174	86.3	64.7	97.1

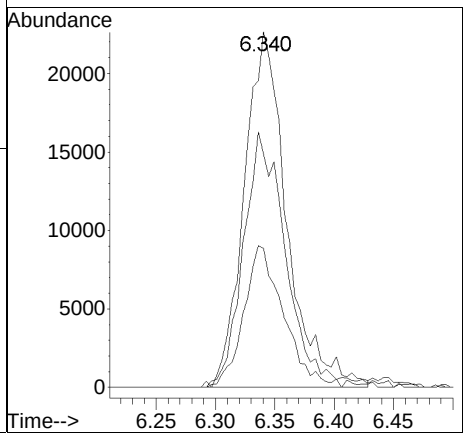


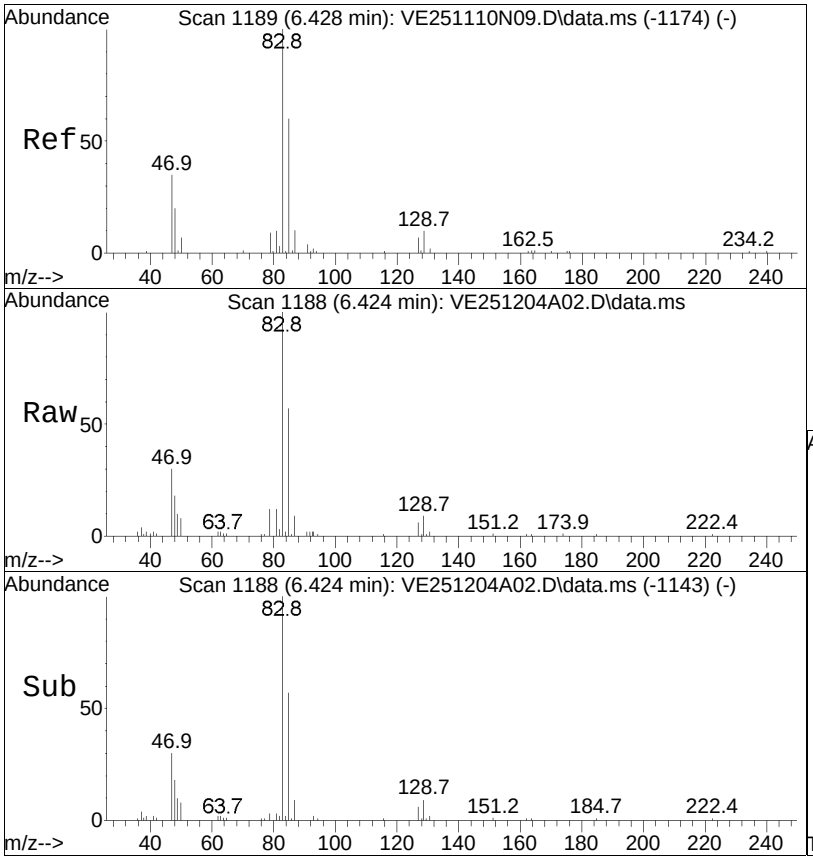


#55
1,2-Dichloropropane
Concen: 8.80 ug/L
RT: 6.340 min Scan# 1169
Delta R.T. -0.005 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 63 Resp: 56745

Ion	Ratio	Lower	Upper
63	100		
62	72.3	57.2	85.8
76	37.2	28.4	42.6

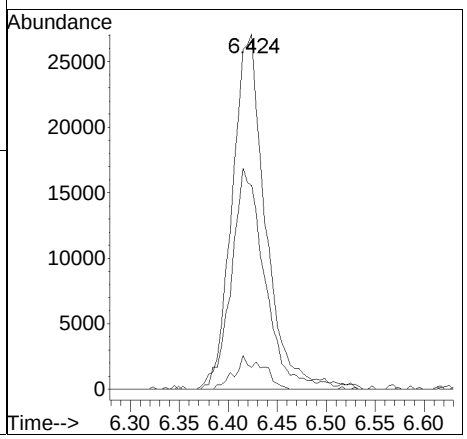


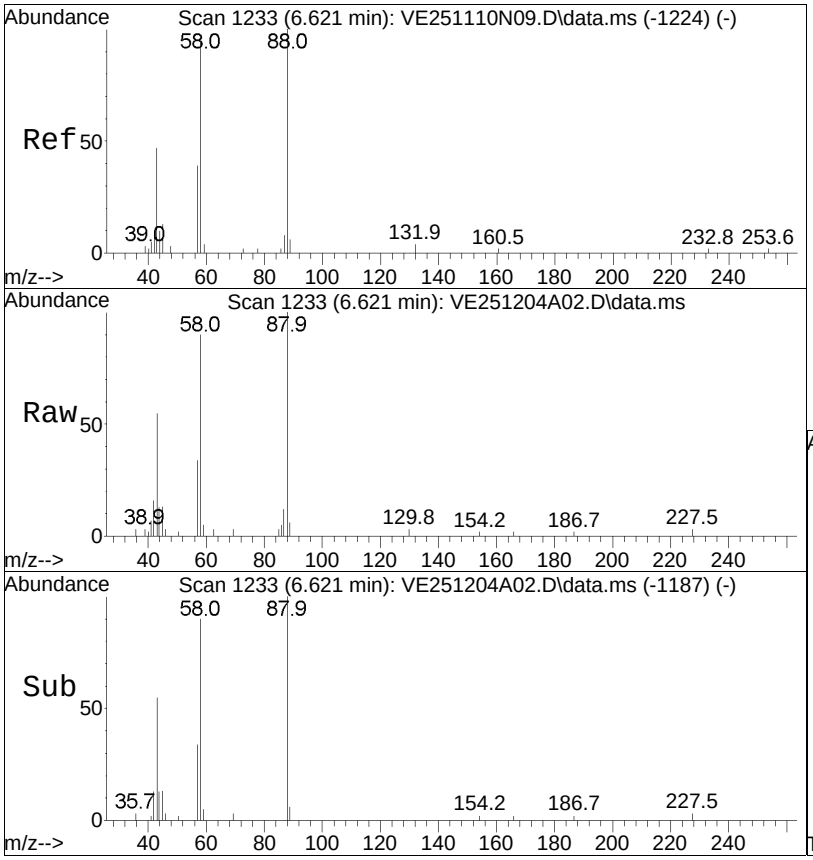


#58
Bromodichloromethane
Concen: 9.23 ug/L
RT: 6.424 min Scan# 1188
Delta R.T. -0.004 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 83 Resp: 64517

Ion	Ratio	Lower	Upper
83	100		
85	61.6	53.9	80.9
127	4.6	6.2	9.4#

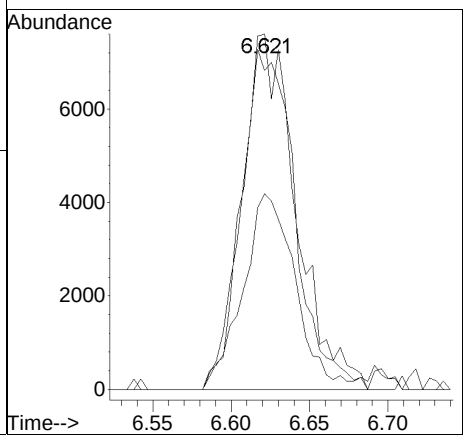


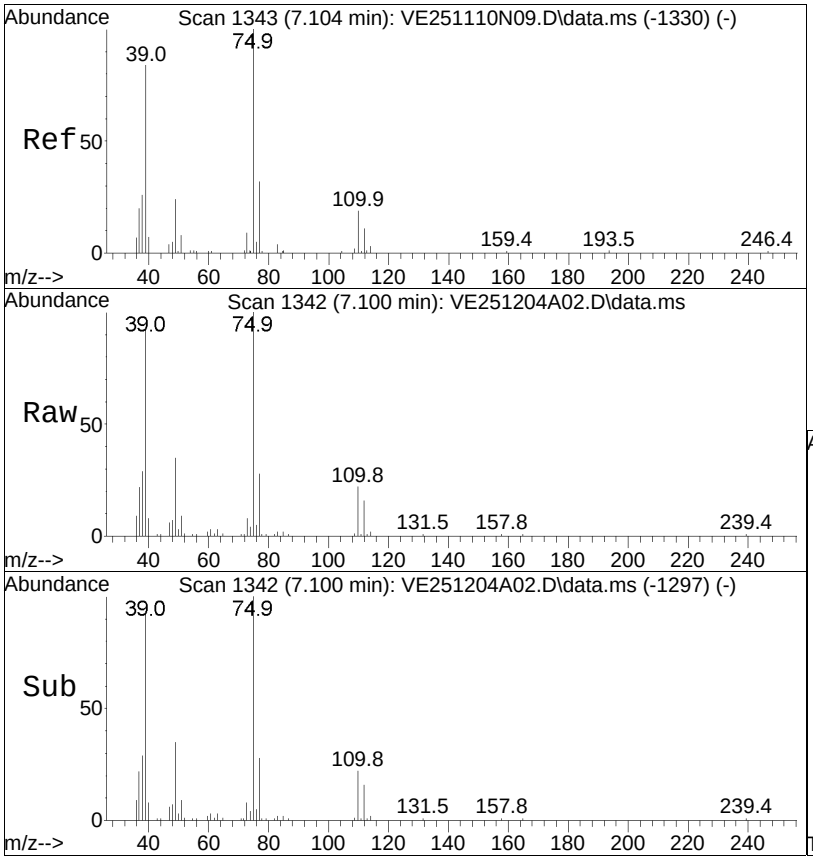


#61
1,4-Dioxane
Concen: 472.81 ug/L
RT: 6.621 min Scan# 1233
Delta R.T. 0.000 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 88 Resp: 18453

Ion	Ratio	Lower	Upper
88	100		
58	92.9	76.1	114.1
43	53.1	41.8	62.8

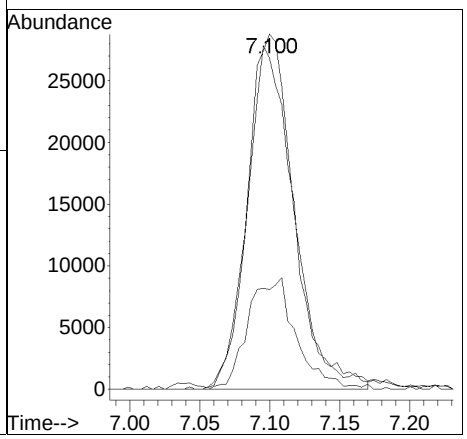


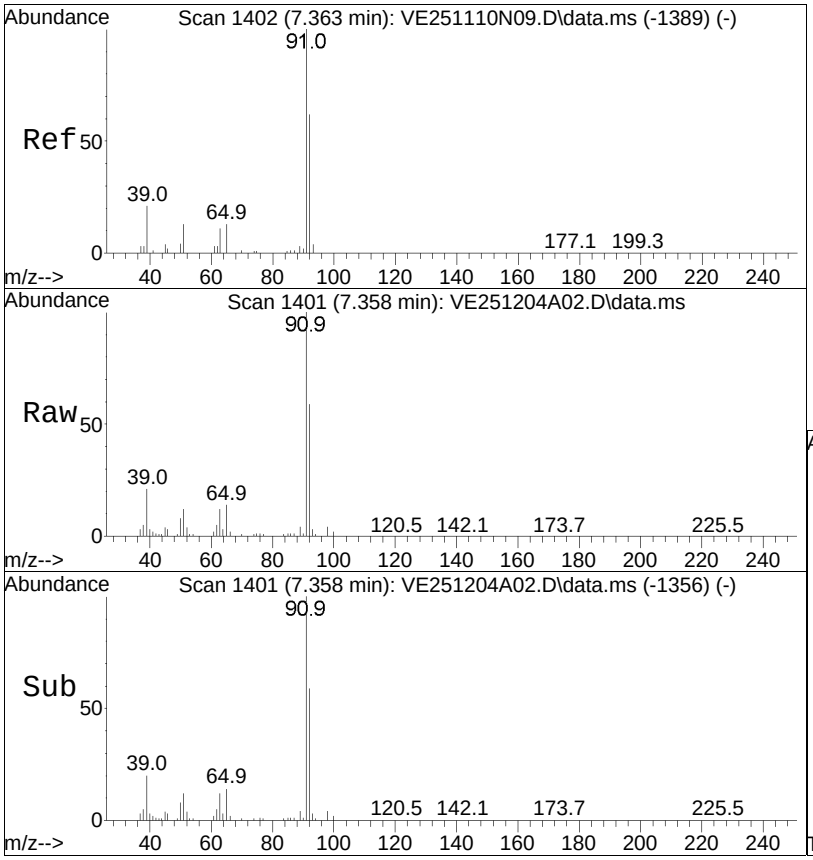


#62
cis-1,3-Dichloropropene
Concen: 8.80 ug/L
RT: 7.100 min Scan# 1342
Delta R.T. -0.004 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 75 Resp: 67572

Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.0	39.0
39	93.6	74.6	112.0

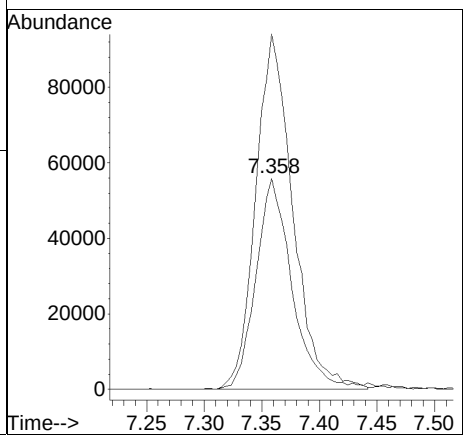


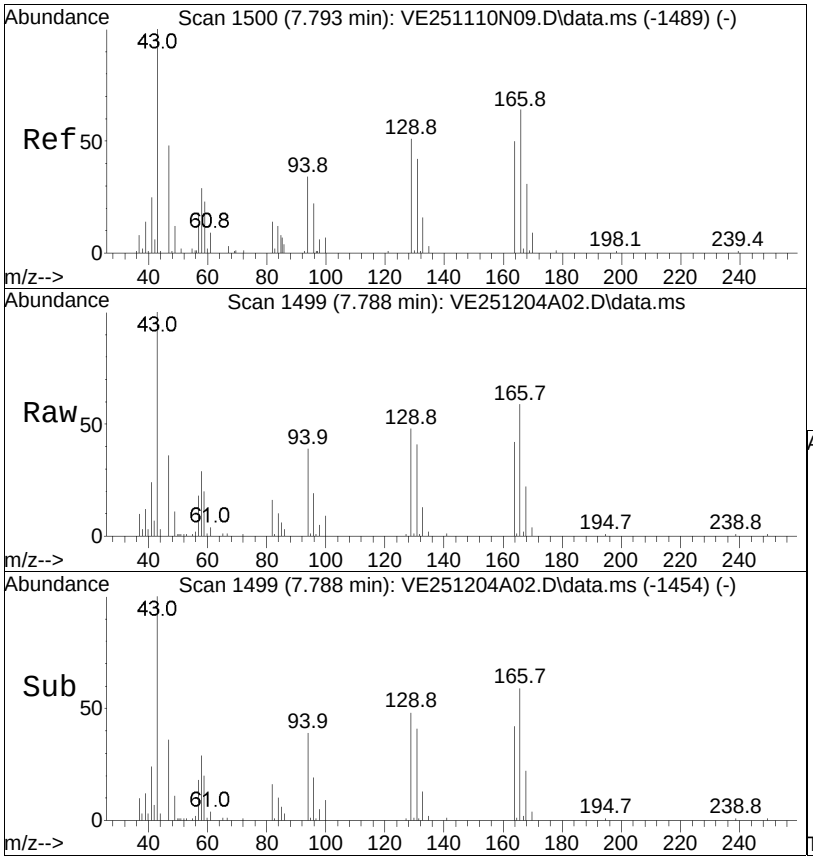


#65
Toluene
Concen: 9.12 ug/L
RT: 7.358 min Scan# 1401
Delta R.T. -0.005 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 92 Resp: 121906

Ion	Ratio	Lower	Upper
92	100		
91	172.8	136.4	204.6

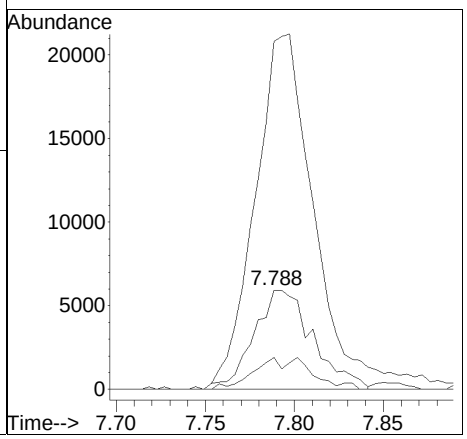


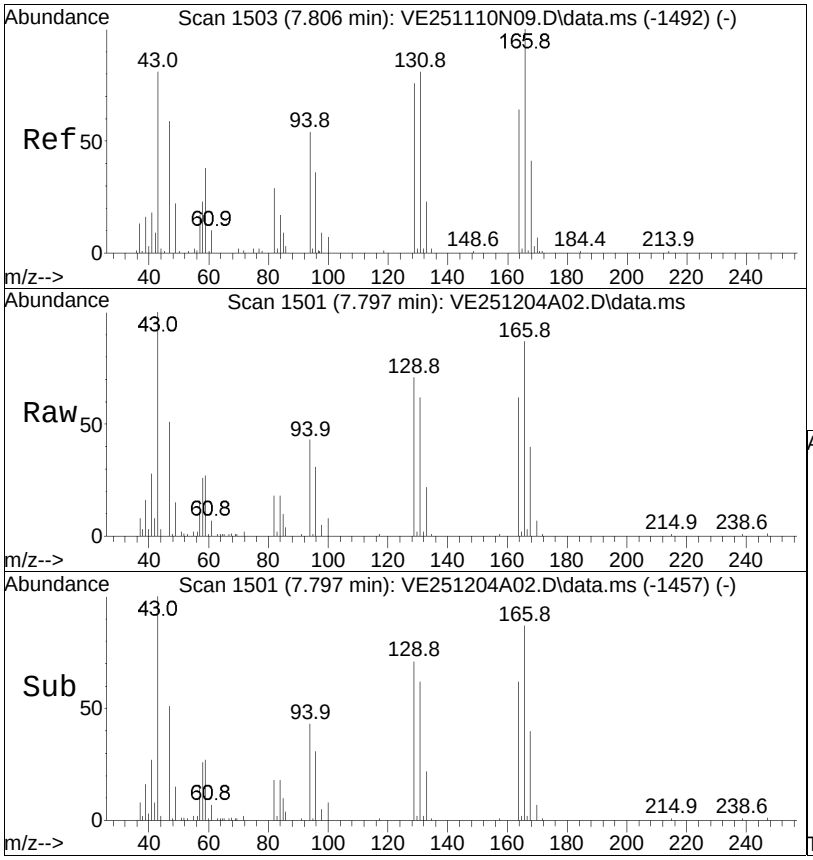


#66
4-Methyl-2-pentanone
Concen: 7.93 ug/L
RT: 7.788 min Scan# 1499
Delta R.T. -0.005 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 58 Resp: 13718

Ion	Ratio	Lower	Upper
58	100		
100	16.1	23.0	34.6#
43	365.7	270.1	405.1

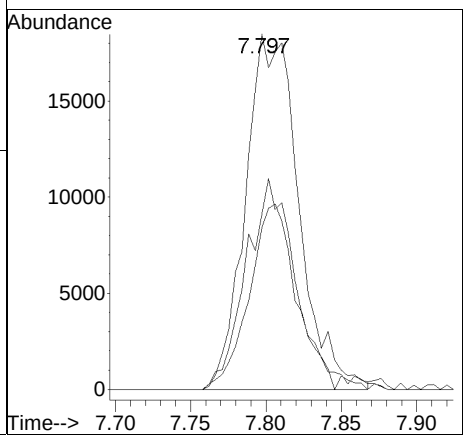


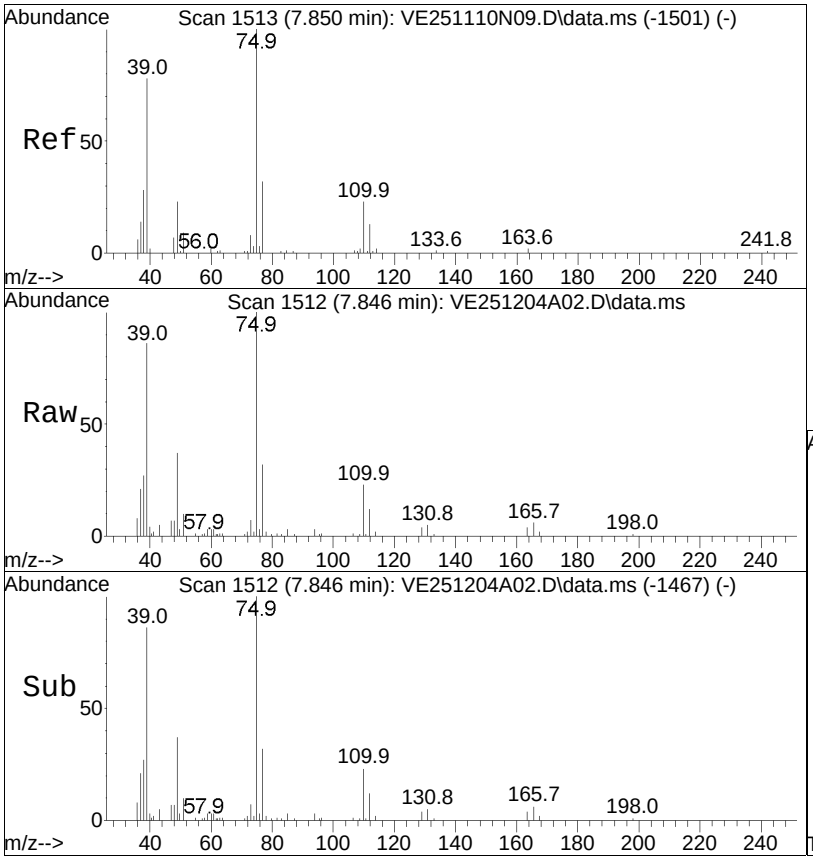


#67
Tetrachloroethene
Concen: 9.53 ug/L
RT: 7.797 min Scan# 1501
Delta R.T. -0.009 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:166 Resp: 45374

Ion	Ratio	Lower	Upper
166	100		
168	46.2	27.8	67.8
94	55.2	38.7	78.7

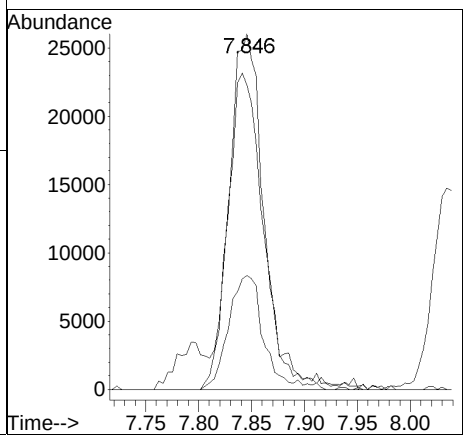


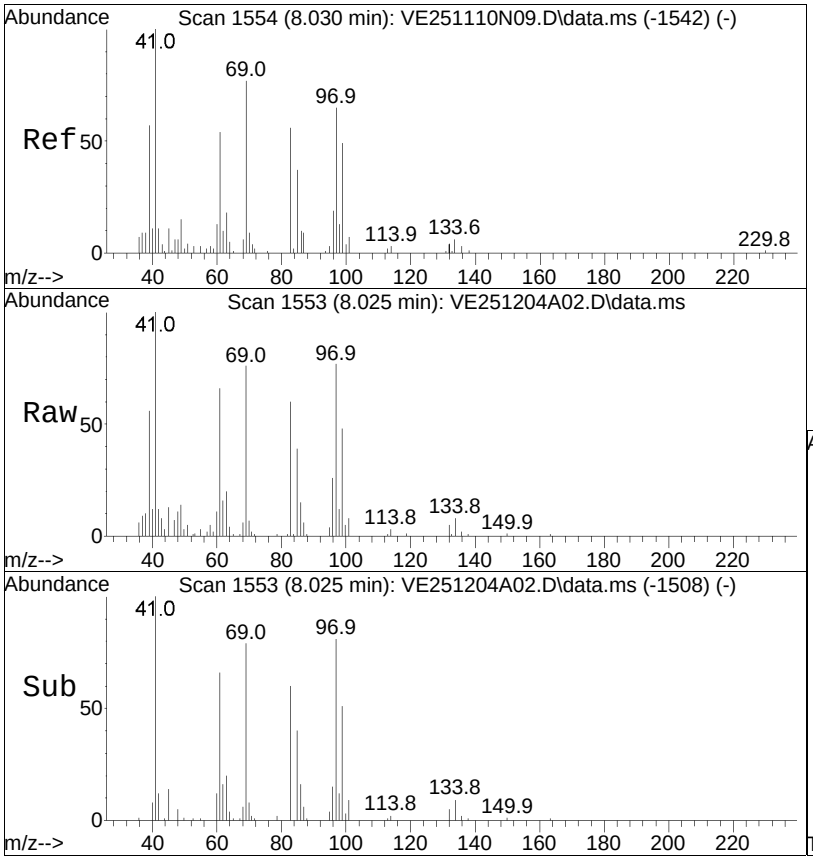


#69
trans-1,3-Dichloropropene
Concen: 7.55 ug/L
RT: 7.846 min Scan# 1512
Delta R.T. -0.004 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 75 Resp: 60218

Ion	Ratio	Lower	Upper
75	100		
77	32.0	10.9	50.9
39	87.4	68.1	108.1

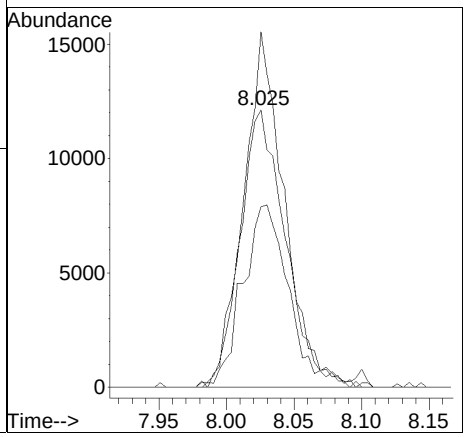


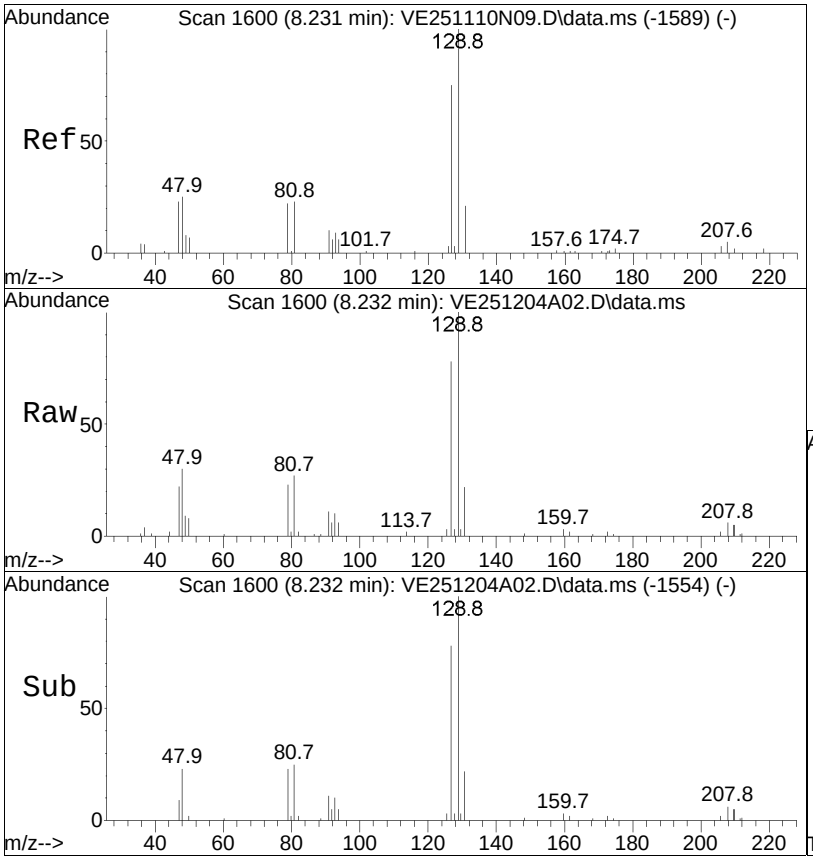


#72
1,1,2-Trichloroethane
Concen: 8.15 ug/L
RT: 8.025 min Scan# 1553
Delta R.T. -0.005 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 83 Resp: 28314

Ion	Ratio	Lower	Upper
83	100		
97	115.6	93.5	133.5
85	67.3	45.2	85.2

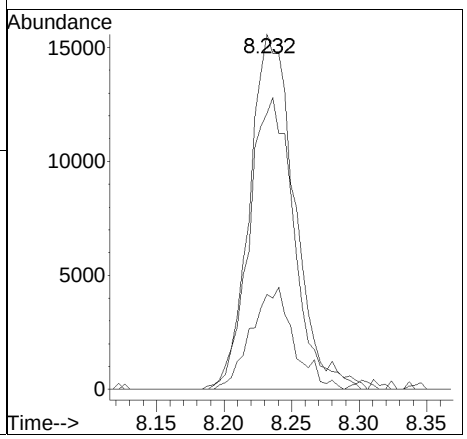


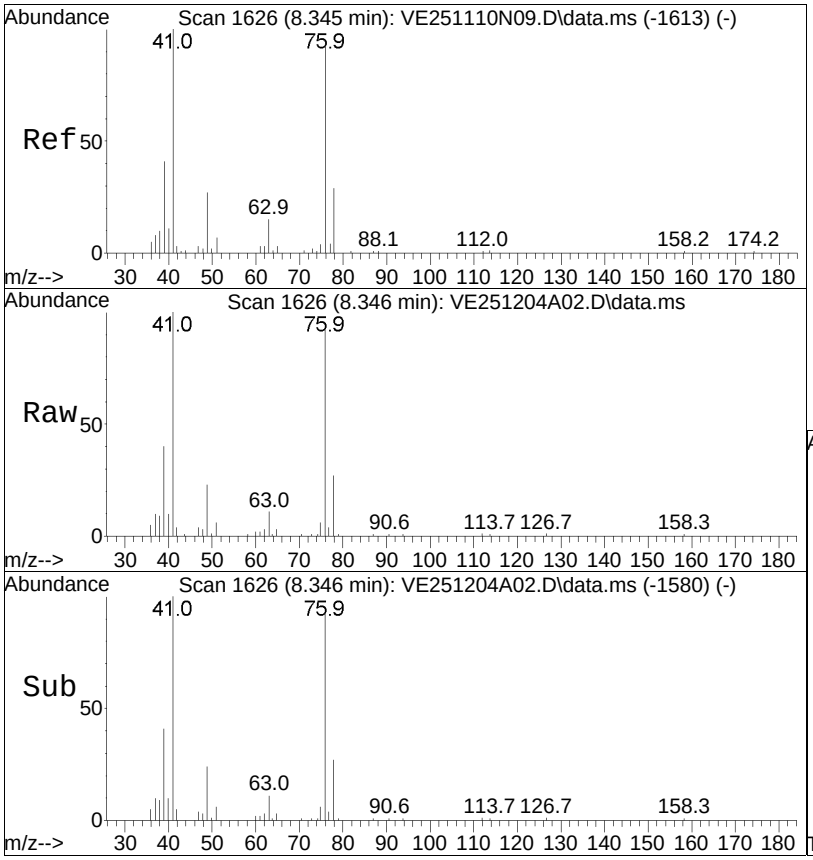


#73
Chlorodibromomethane
Concen: 7.75 ug/L
RT: 8.232 min Scan# 1600
Delta R.T. 0.001 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:129 Resp: 36224

Ion	Ratio	Lower	Upper
129	100		
81	27.2	4.8	44.8
127	82.1	56.3	96.3

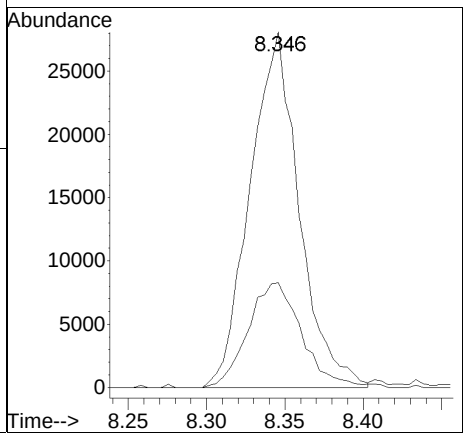


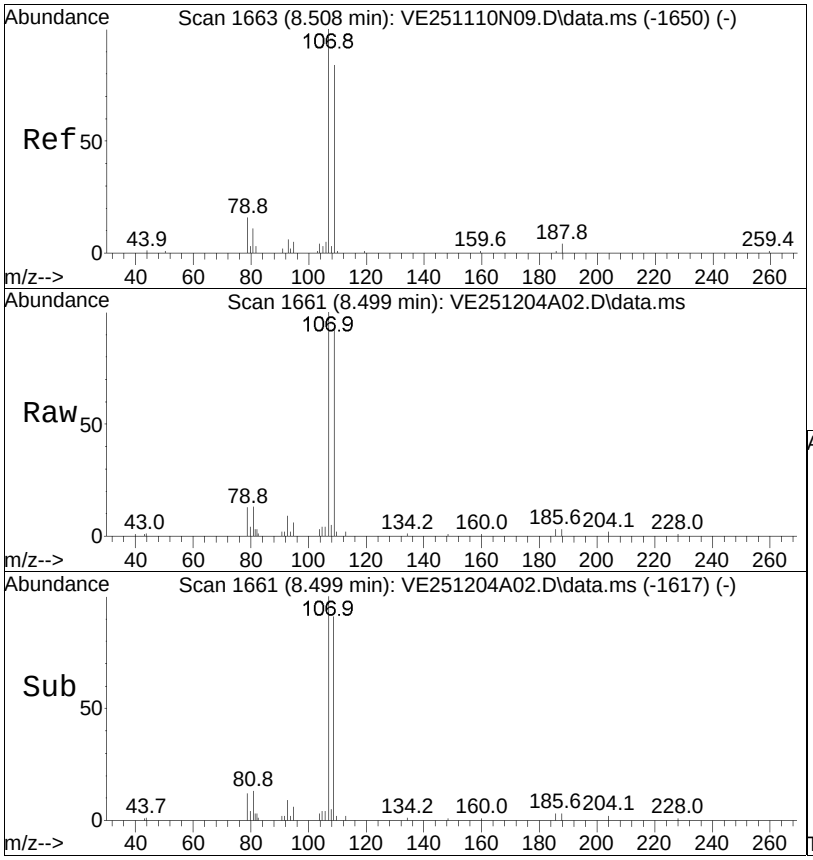


#74
1,3-Dichloropropane
Concen: 7.93 ug/L
RT: 8.346 min Scan# 1626
Delta R.T. 0.001 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 76 Resp: 61164

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.4

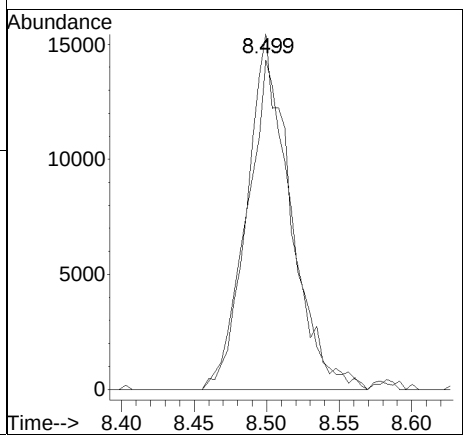


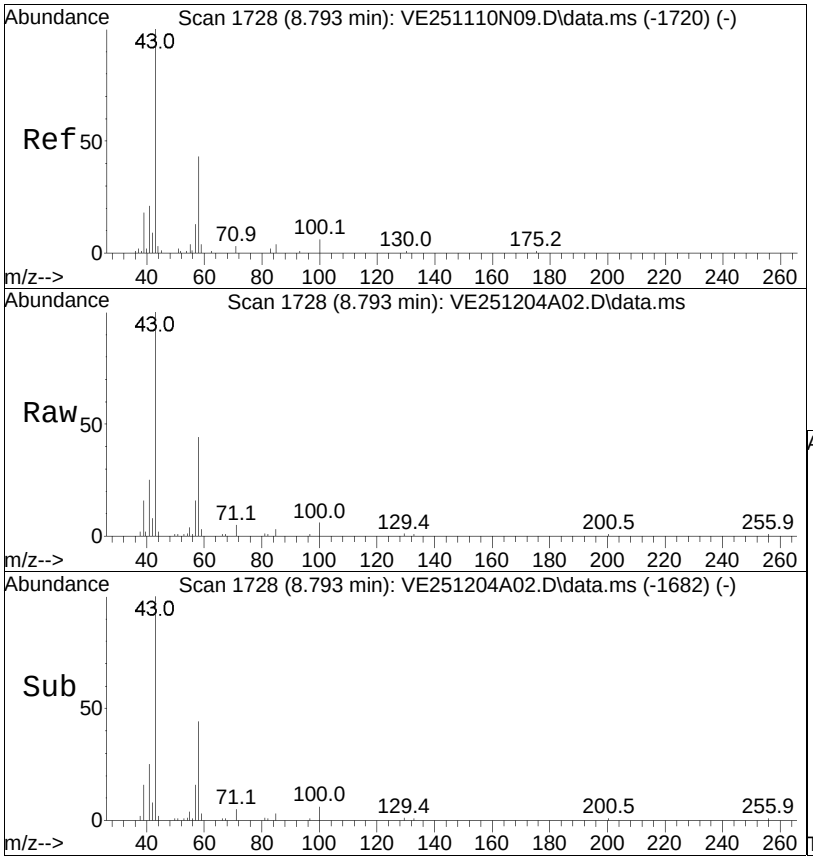


#75
1,2-Dibromoethane
Concen: 7.98 ug/L
RT: 8.499 min Scan# 1661
Delta R.T. -0.009 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:107 Resp: 32872

Ion	Ratio	Lower	Upper
107	100		
109	93.2	73.0	109.6

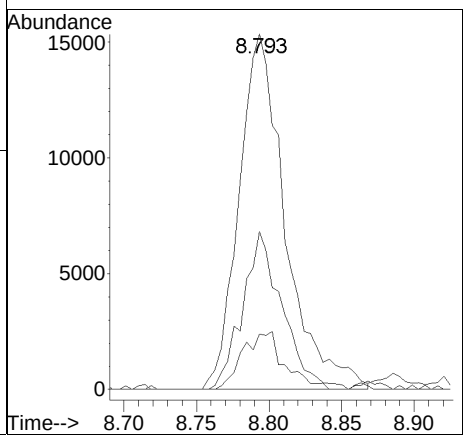


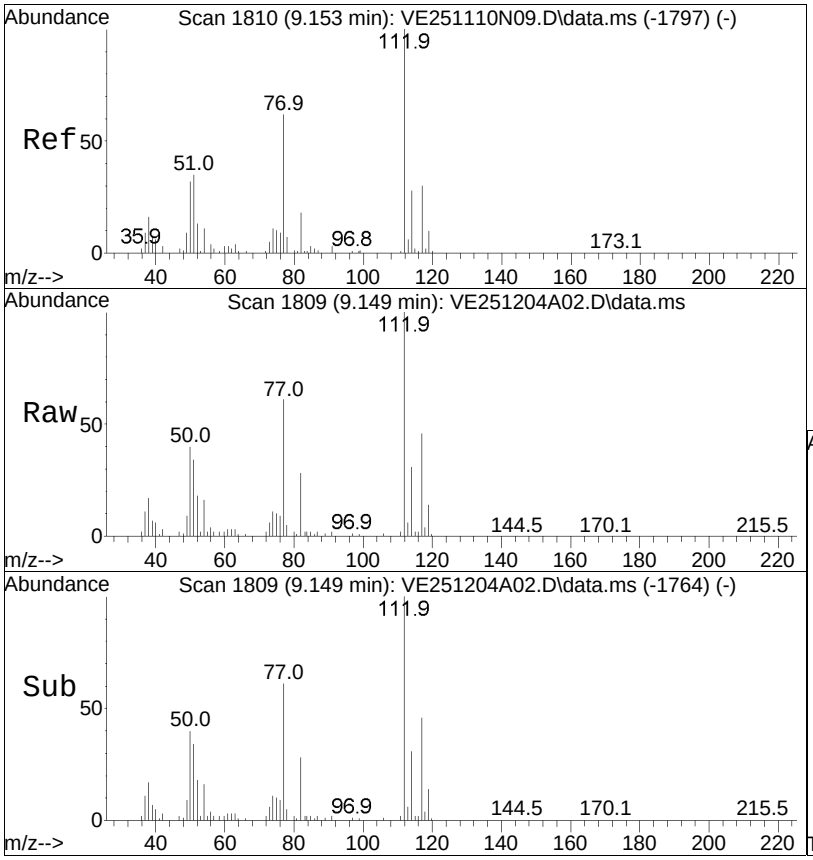


#77
2-Hexanone
Concen: 8.23 ug/L
RT: 8.793 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 43 Resp: 34094

Ion	Ratio	Lower	Upper
43	100		
58	38.1	34.3	51.5
57	14.6	12.5	18.7

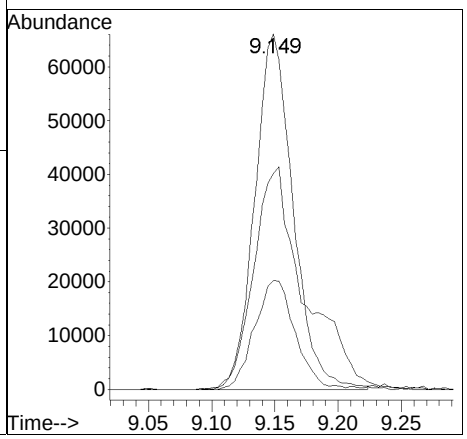


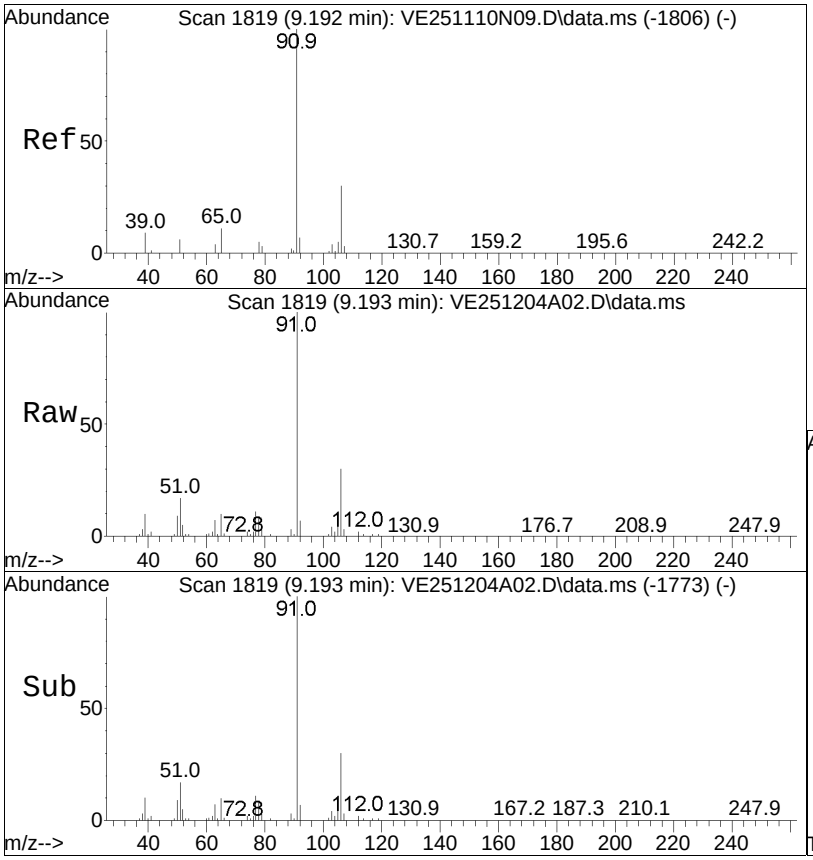


#78
Chlorobenzene
Concen: 9.30 ug/L
RT: 9.149 min Scan# 1809
Delta R.T. -0.004 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:112 Resp: 139135

Ion	Ratio	Lower	Upper
112	100		
77	83.7	67.3	100.9
114	32.8	25.6	38.4

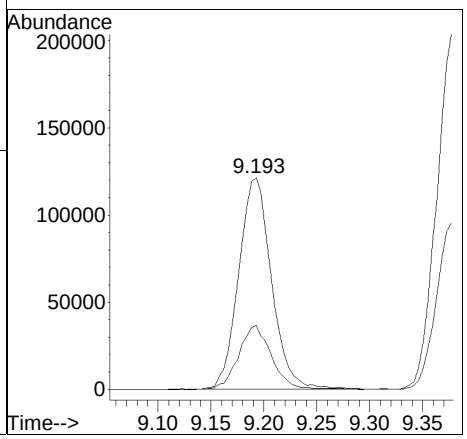


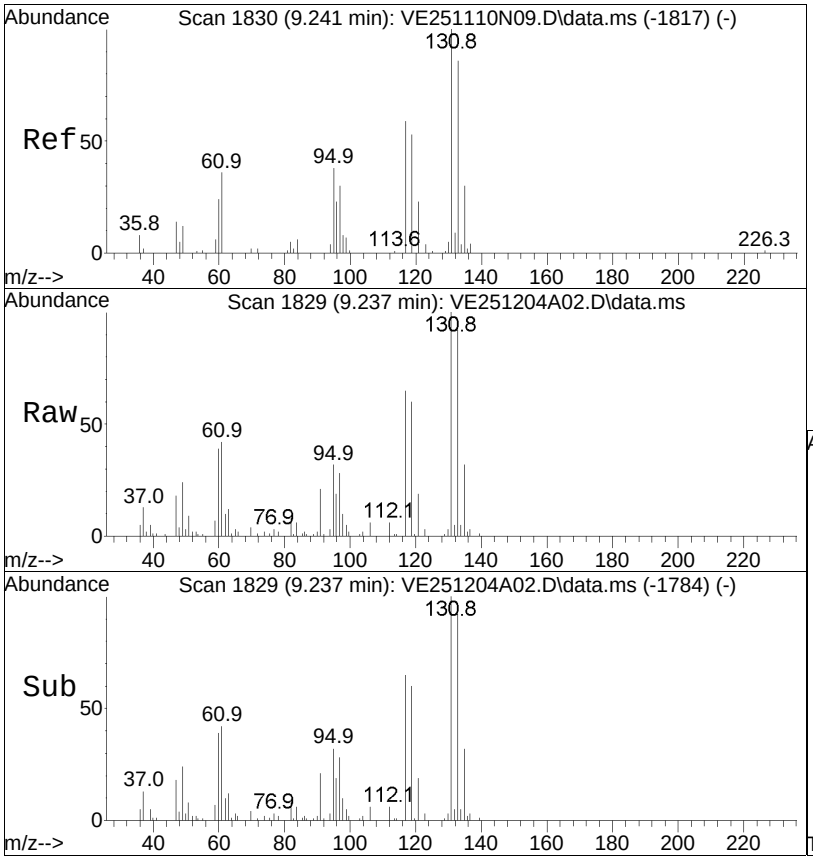


#79
Ethylbenzene
Concen: 9.31 ug/L
RT: 9.193 min Scan# 1819
Delta R.T. 0.001 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 91 Resp: 260103

Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.4	35.0

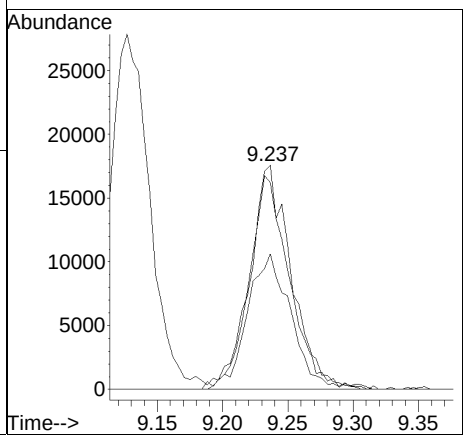


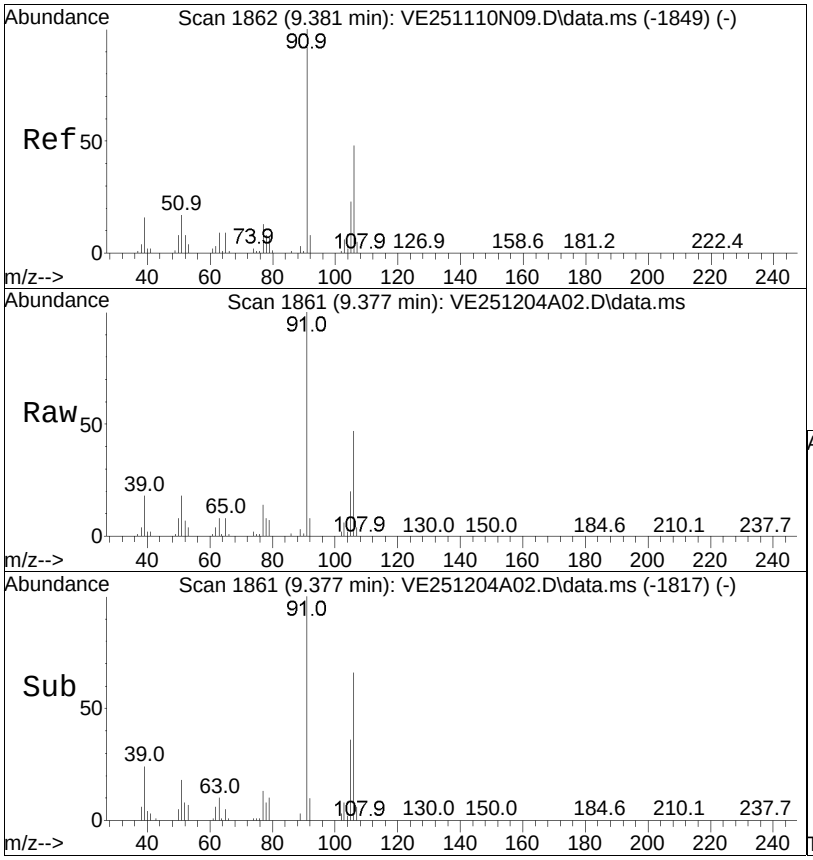


#80
1,1,1,2-Tetrachloroethane
Concen: 8.49 ug/L
RT: 9.237 min Scan# 1829
Delta R.T. -0.004 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:131 Resp: 38511

Ion	Ratio	Lower	Upper
131	100		
133	94.7	72.9	112.9
119	60.9	43.8	83.8

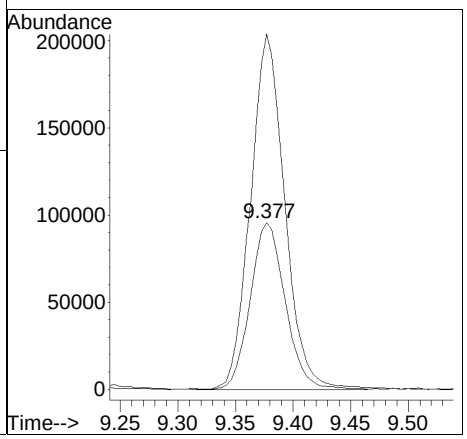


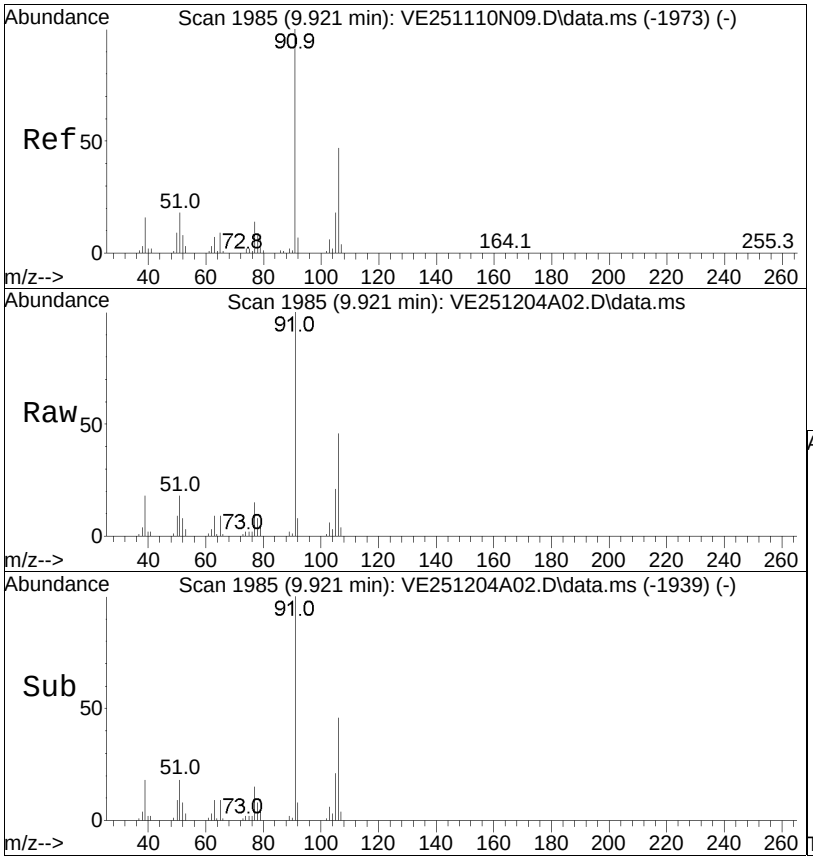


#81
p/m Xylene
Concen: 18.51 ug/L
RT: 9.377 min Scan# 1861
Delta R.T. -0.004 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:106 Resp: 201894

Ion	Ratio	Lower	Upper
106	100		
91	208.1	165.2	247.8

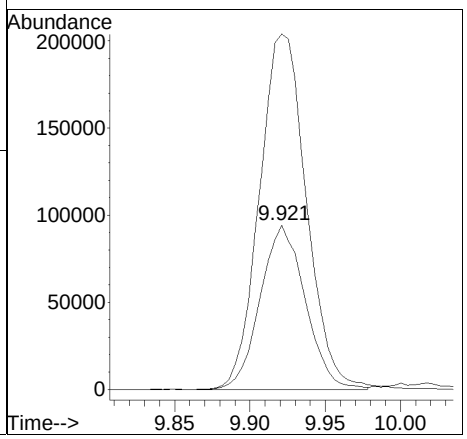


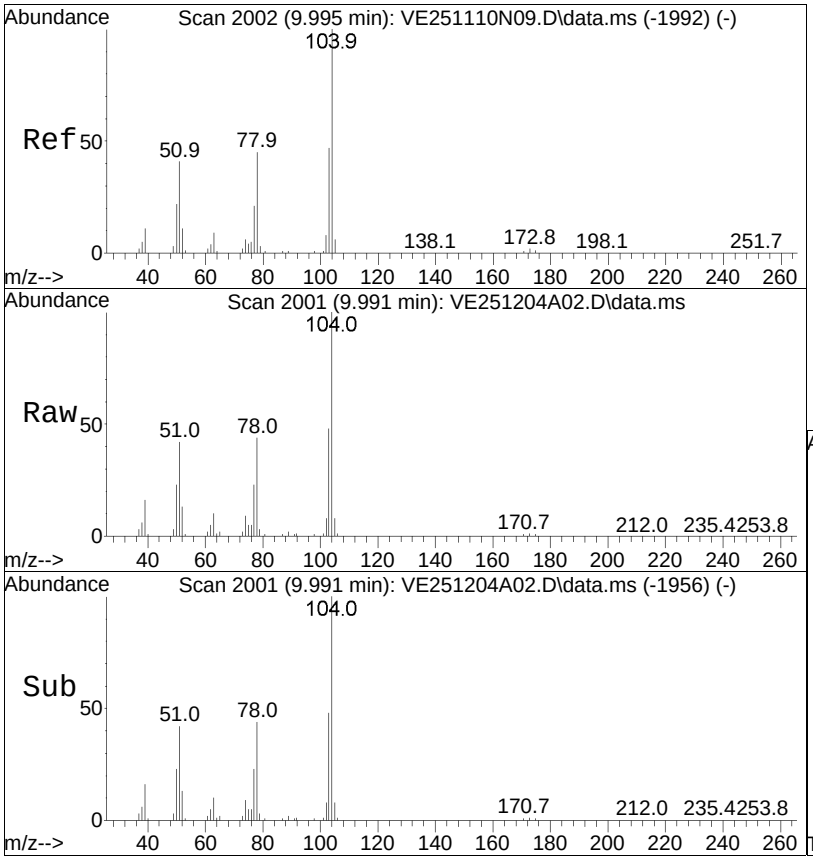


#82
o Xylene
Concen: 18.10 ug/L
RT: 9.921 min Scan# 1985
Delta R.T. 0.000 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:106 Resp: 195645

Ion	Ratio	Lower	Upper
106	100		
91	226.1	181.8	272.8

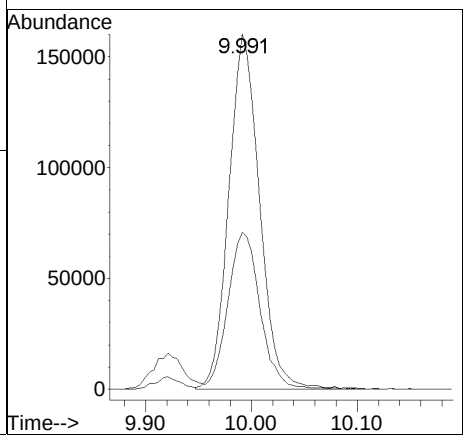


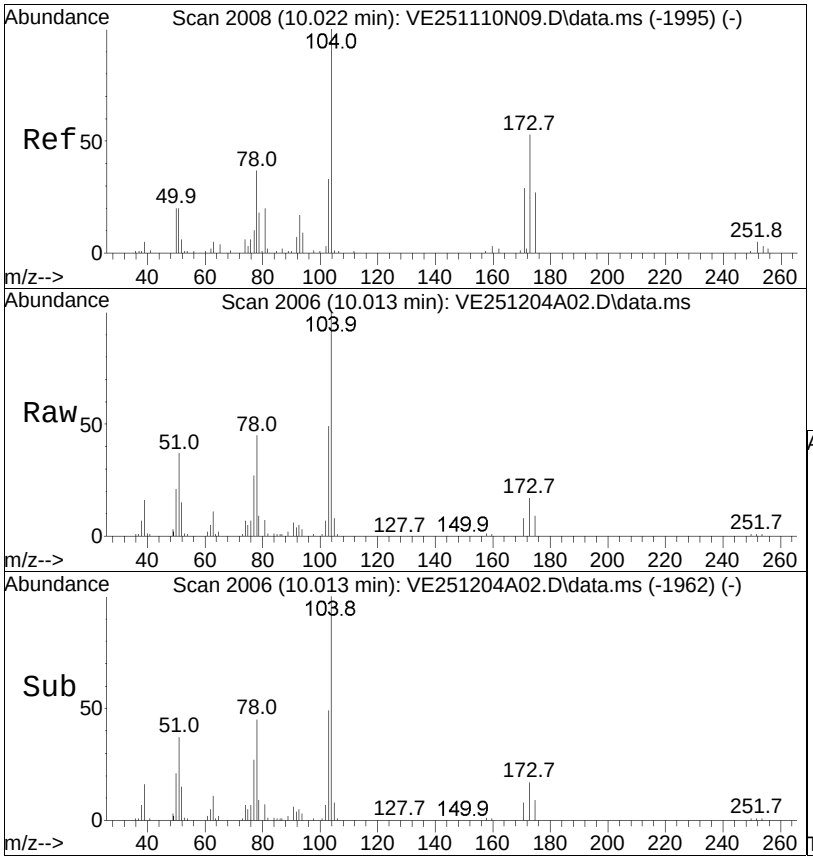


#83
Styrene
Concen: 17.13 ug/L
RT: 9.991 min Scan# 2001
Delta R.T. -0.004 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:104 Resp: 323451

Ion	Ratio	Lower	Upper
104	100		
78	45.9	37.1	55.7

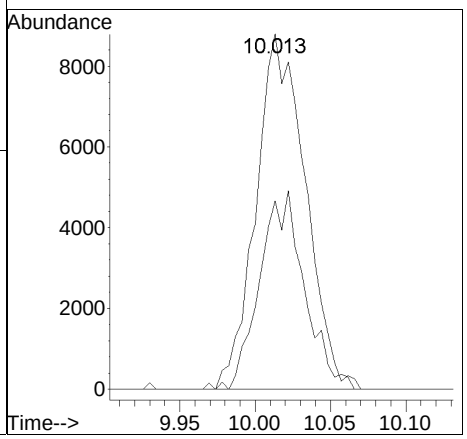


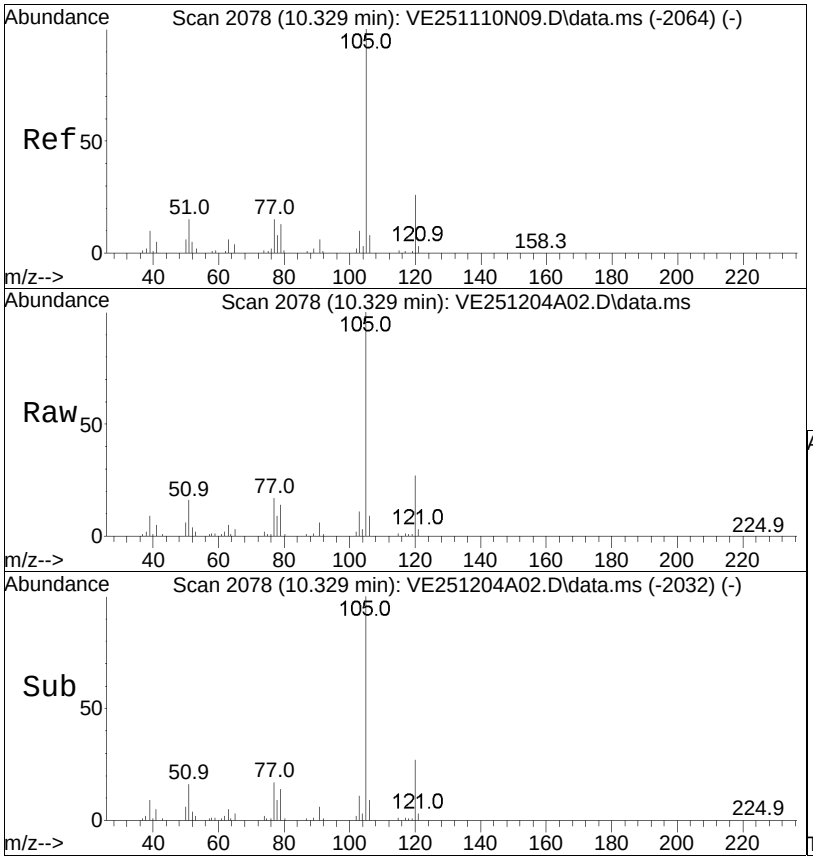


#85
Bromoform
Concen: 6.90 ug/L
RT: 10.013 min Scan# 2006
Delta R.T. -0.009 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:173 Resp: 20071

Ion	Ratio	Lower	Upper
173	100		
175	50.3	29.9	69.9

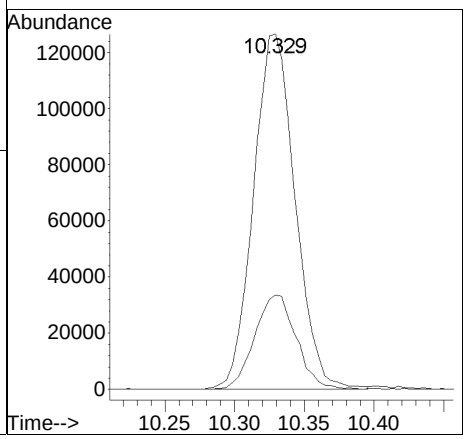


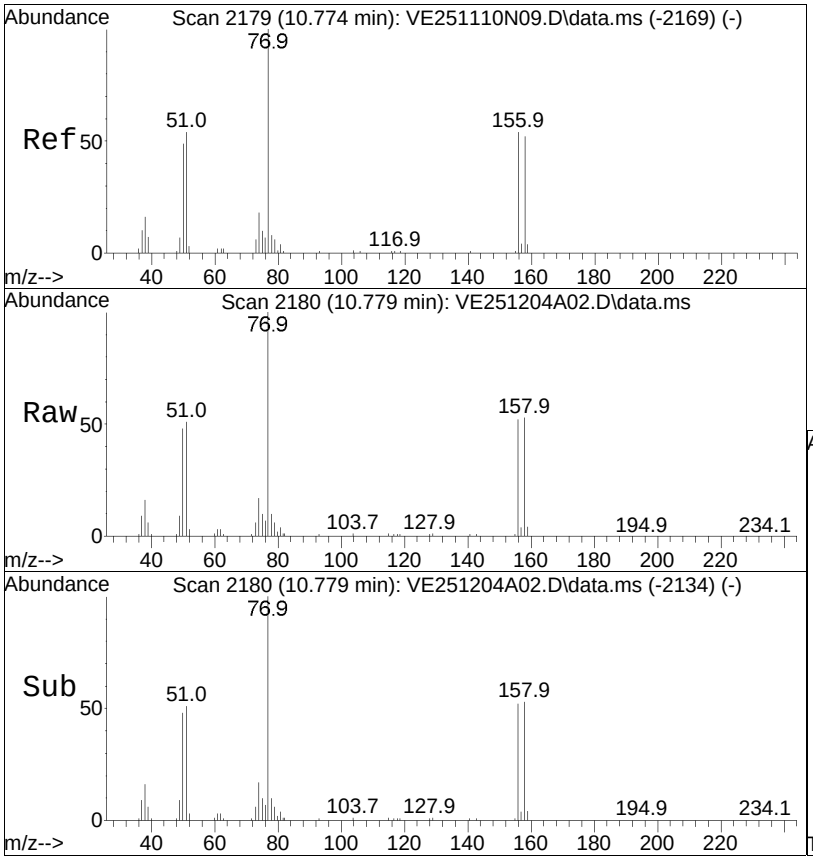


#87
Isopropylbenzene
Concen: 8.84 ug/L
RT: 10.329 min Scan# 2078
Delta R.T. 0.000 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:105 Resp: 263141

Ion	Ratio	Lower	Upper
105	100		
120	26.5	5.0	45.0

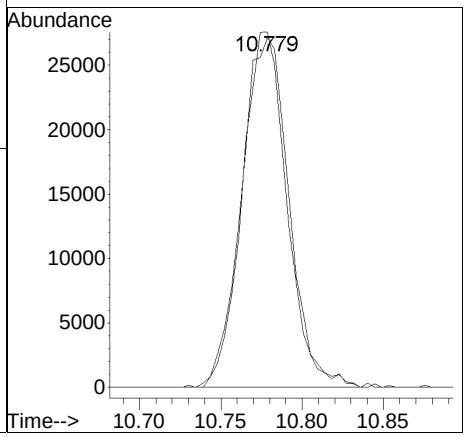


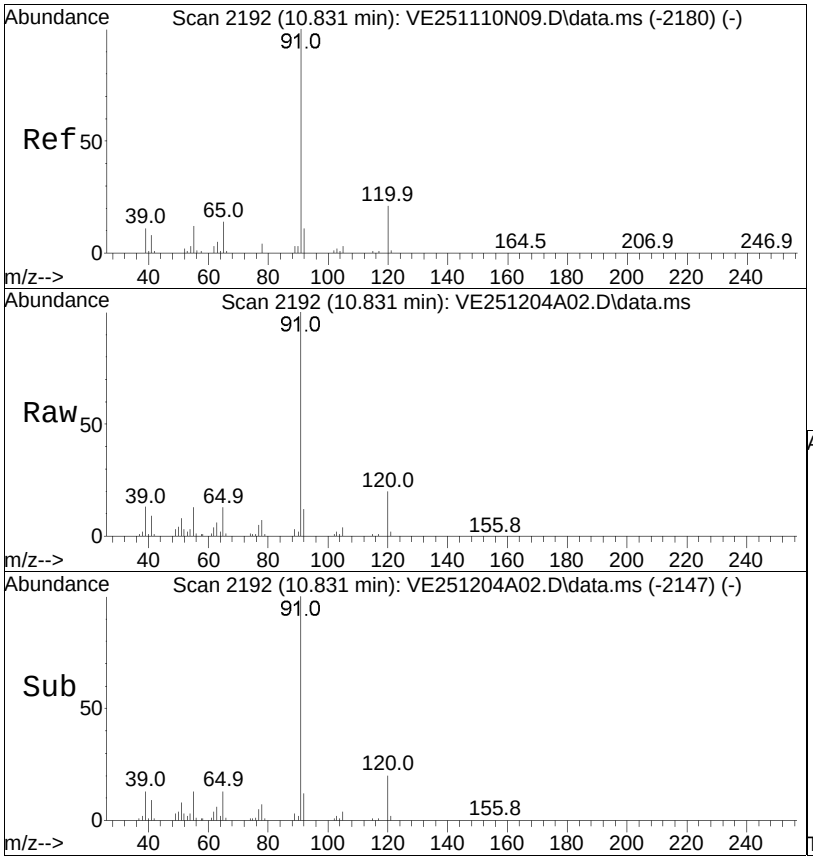


#89
Bromobenzene
Concen: 8.94 ug/L
RT: 10.779 min Scan# 2180
Delta R.T. 0.005 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:156 Resp: 55281

Ion	Ratio	Lower	Upper
156	100		
158	95.8	79.0	118.4

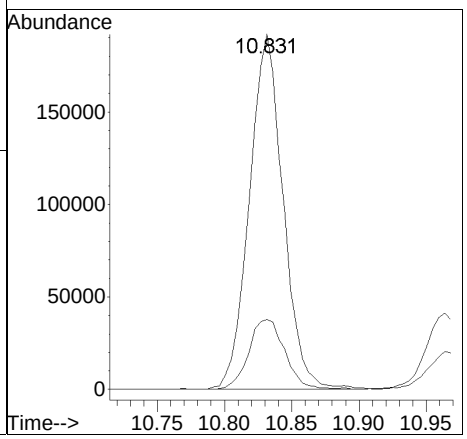


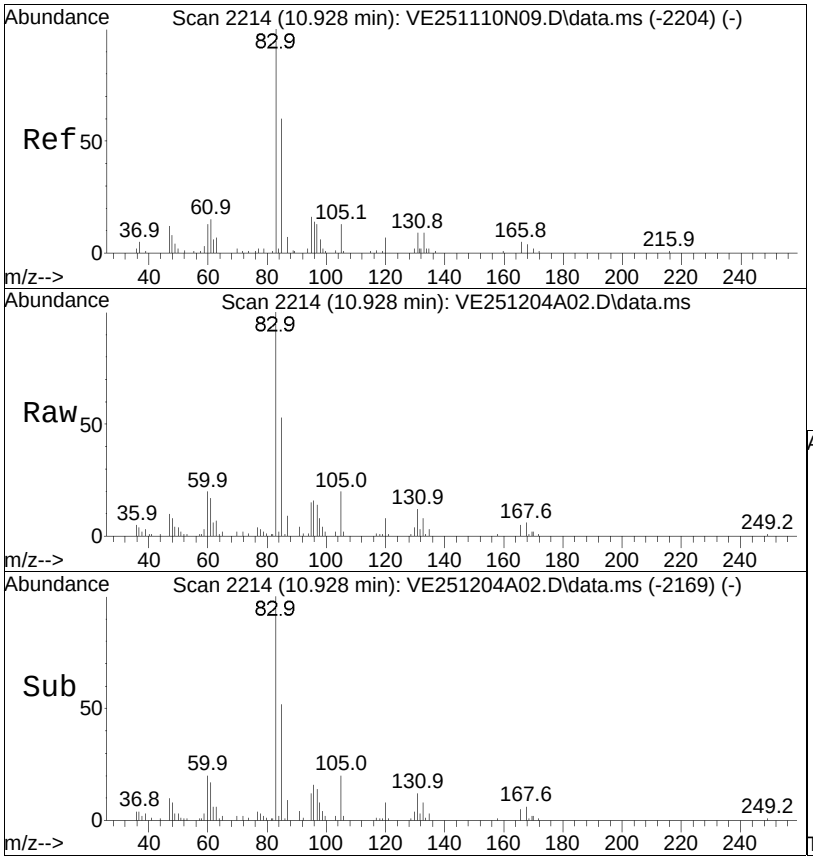


#90
n-Propylbenzene
Concen: 8.95 ug/L
RT: 10.831 min Scan# 2192
Delta R.T. 0.000 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 91 Resp: 335698

Ion	Ratio	Lower	Upper
91	100		
120	21.0	16.7	25.1

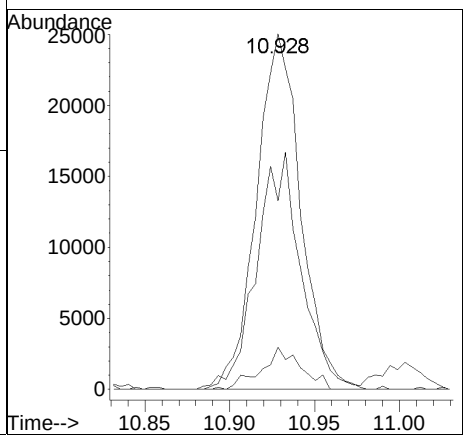


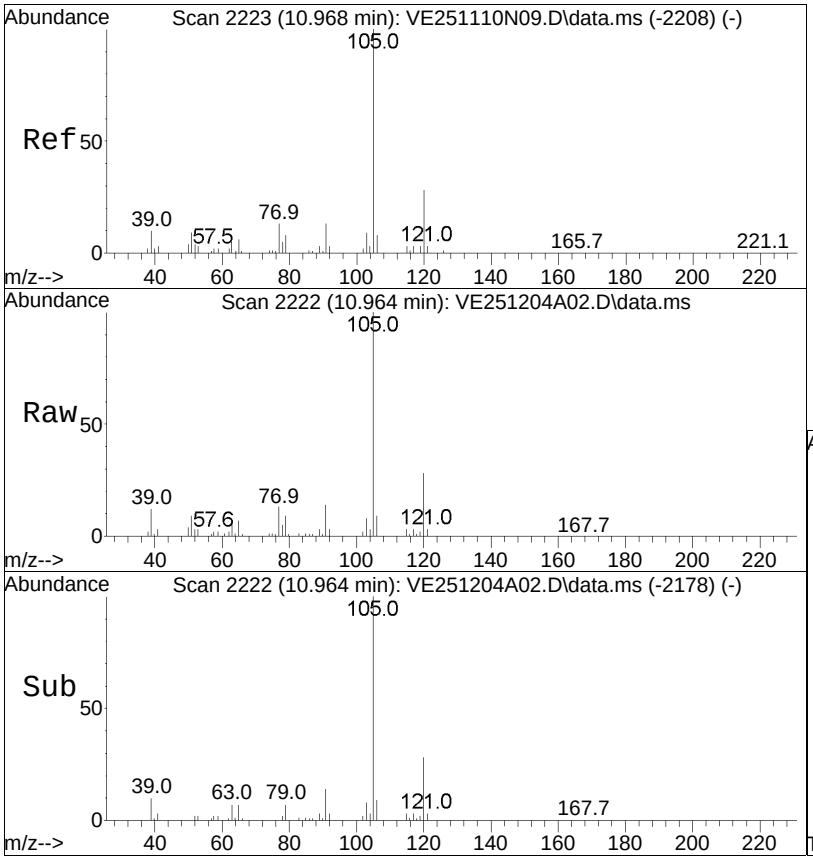


#92
1,1,2,2-Tetrachloroethane
Concen: 8.09 ug/L
RT: 10.928 min Scan# 2214
Delta R.T. 0.000 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 83 Resp: 45460

Ion	Ratio	Lower	Upper
83	100		
131	10.6	0.0	28.3
85	66.8	43.6	83.6

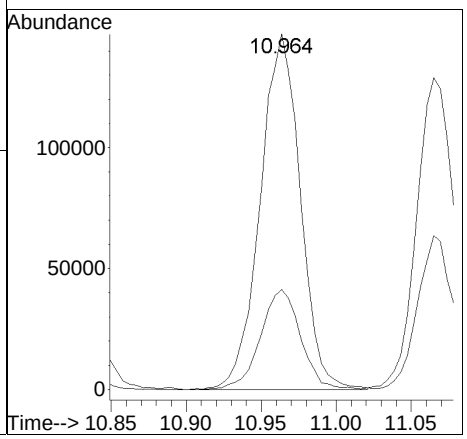


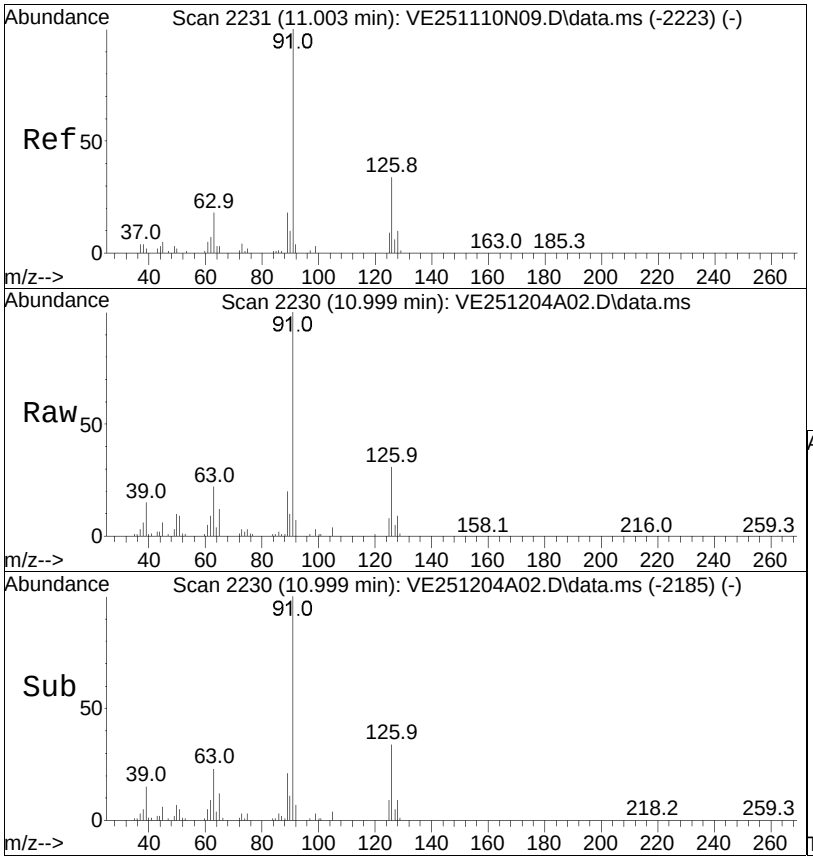


#93
4-Ethyltoluene
Concen: 9.33 ug/L
RT: 10.964 min Scan# 2222
Delta R.T. -0.004 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:105 Resp: 272840

Ion	Ratio	Lower	Upper
105	100		
120	28.1	18.7	38.7

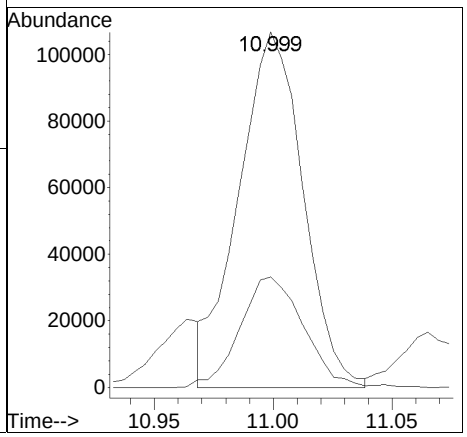


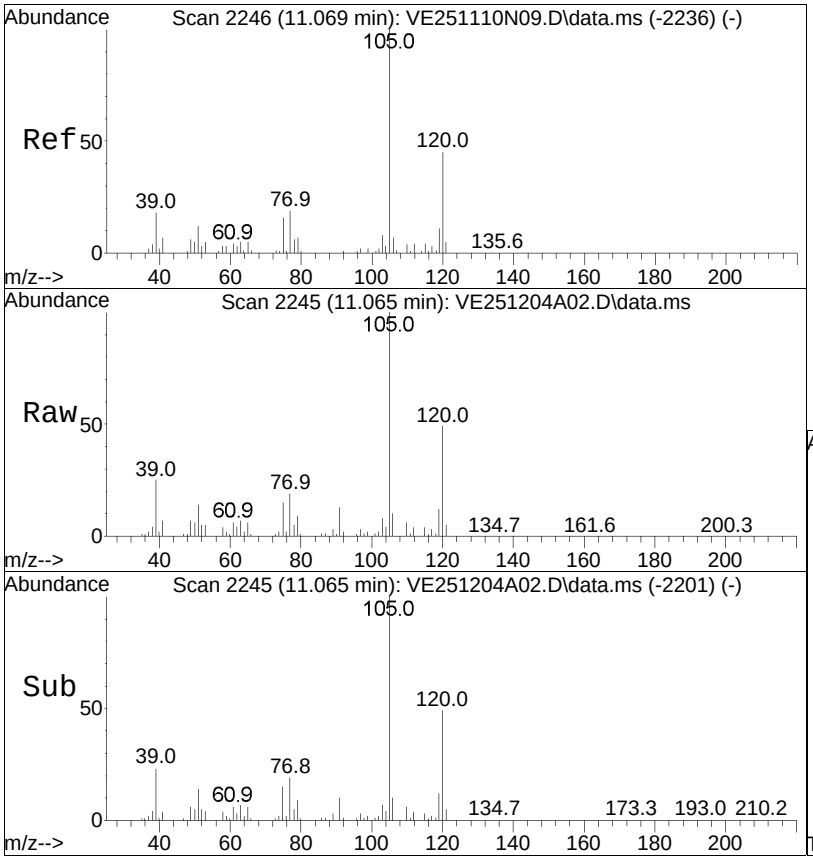


#94
2-Chlorotoluene
Concen: 8.89 ug/L M6
RT: 10.999 min Scan# 2230
Delta R.T. -0.004 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 91 Resp: 200908

Ion	Ratio	Lower	Upper
91	100		
126	30.9	23.2	34.8

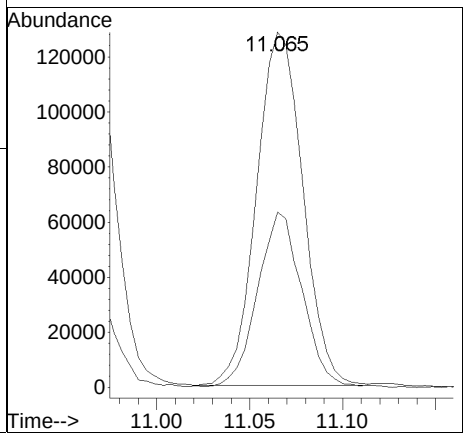


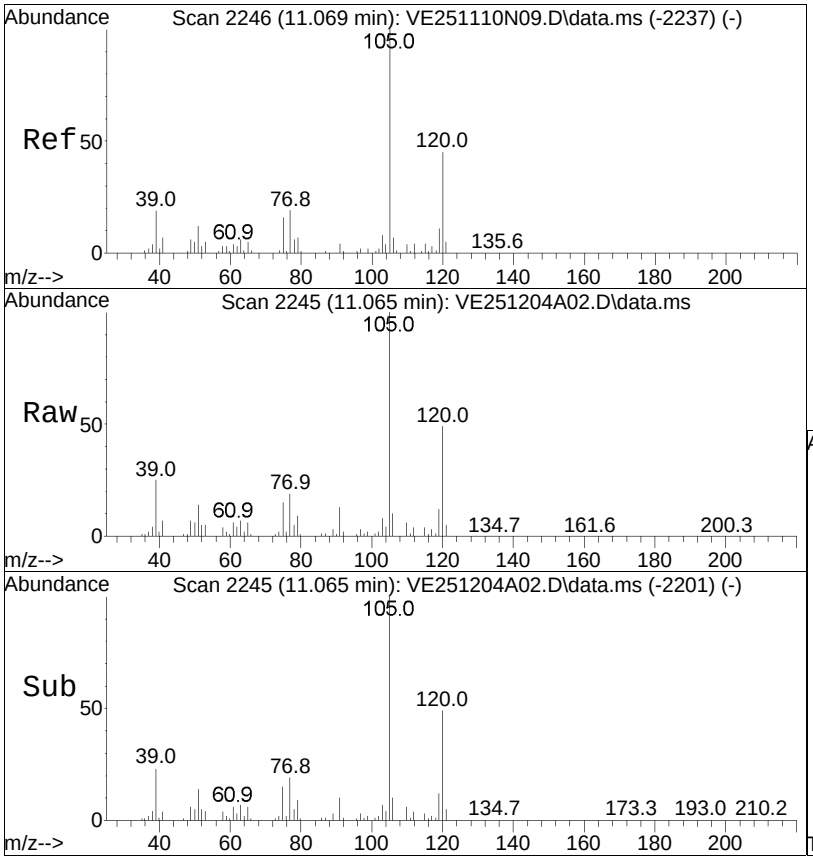


#95
1,3,5-Trimethylbenzene
Concen: 8.49 ug/L
RT: 11.065 min Scan# 2245
Delta R.T. -0.004 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:105 Resp: 222598

Ion	Ratio	Lower	Upper
105	100		
120	48.1	37.2	55.8

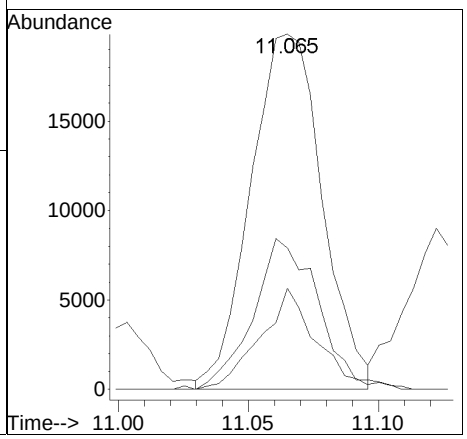


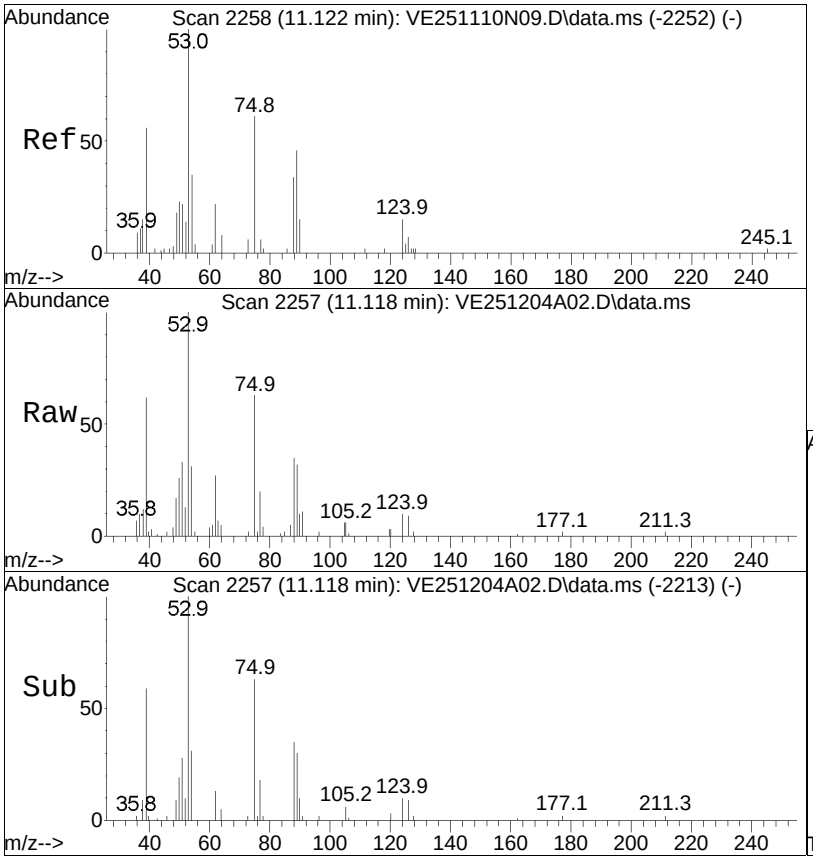


#96
1,2,3-Trichloropropane
Concen: 7.60 ug/L
RT: 11.065 min Scan# 2245
Delta R.T. -0.004 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 75 Resp: 37997

Ion	Ratio	Lower	Upper
75	100		
110	38.8	21.1	43.9
112	22.6	13.7	28.5

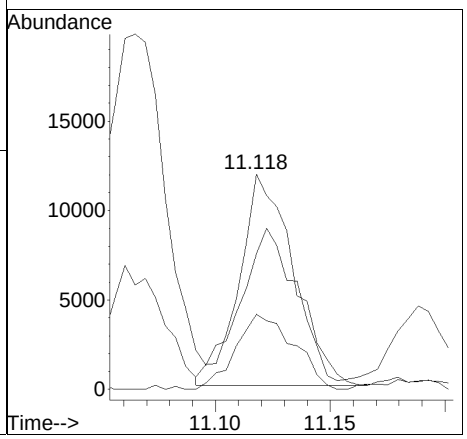


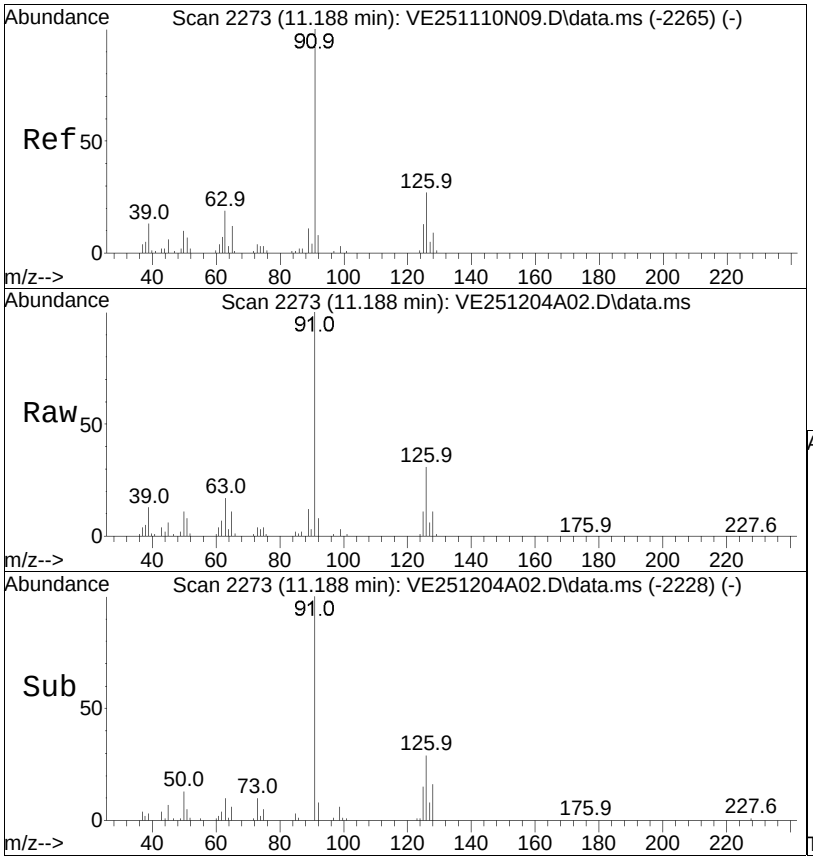


#97
trans-1,4-Dichloro-2-butene
Concen: 7.66 ug/L
RT: 11.118 min Scan# 2257
Delta R.T. -0.004 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 53 Resp: 19384

Ion	Ratio	Lower	Upper
53	100		
88	38.2	27.4	41.0
75	81.1	57.7	86.5

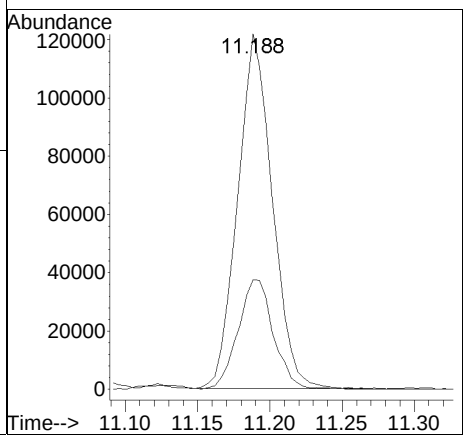


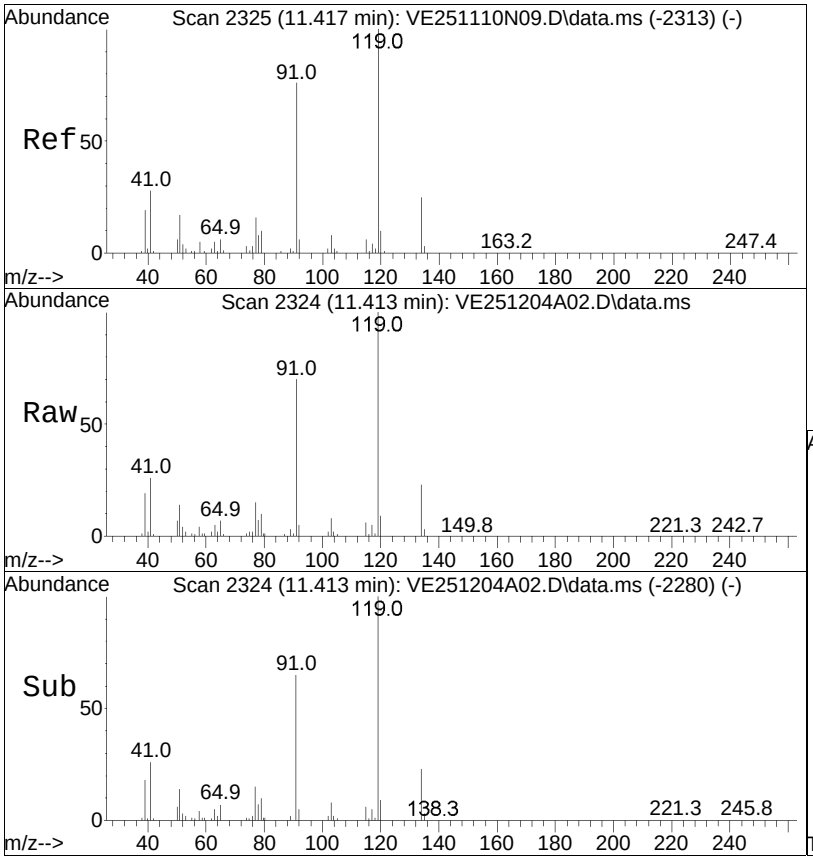


#98
4-Chlorotoluene
Concen: 8.88 ug/L
RT: 11.188 min Scan# 2273
Delta R.T. 0.000 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 91 Resp: 202877

Ion	Ratio	Lower	Upper
91	100		
126	31.7	24.7	37.1

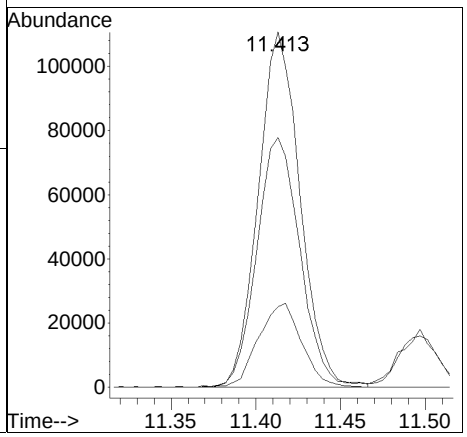


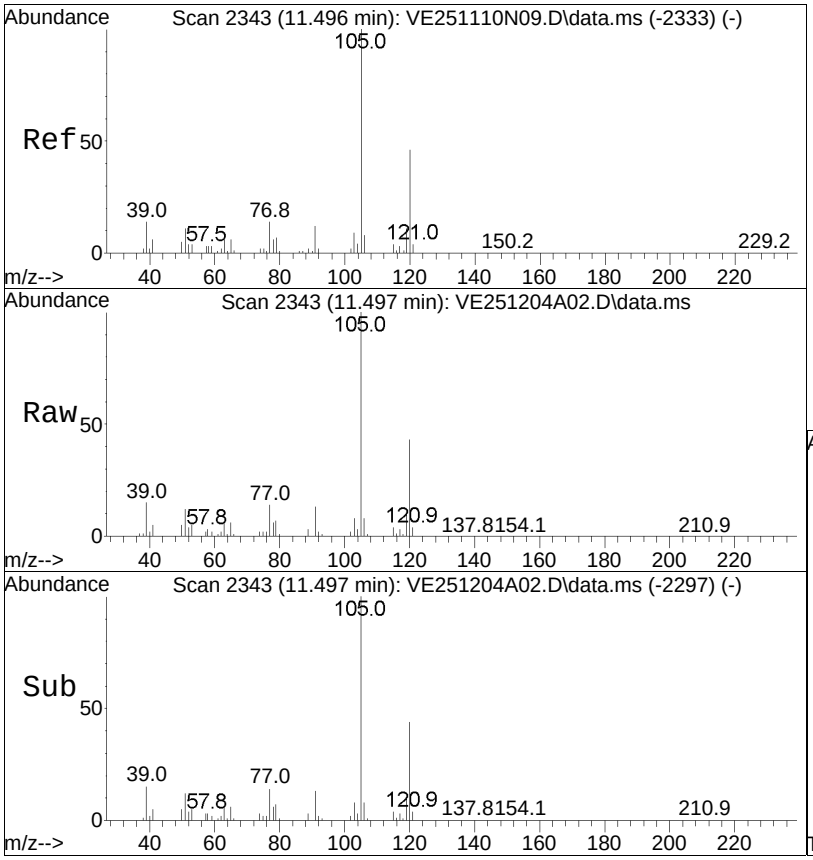


#99
tert-Butylbenzene
Concen: 8.95 ug/L
RT: 11.413 min Scan# 2324
Delta R.T. -0.004 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:119 Resp: 190315

Ion	Ratio	Lower	Upper
119	100		
91	73.0	59.3	88.9
134	24.5	19.4	29.2

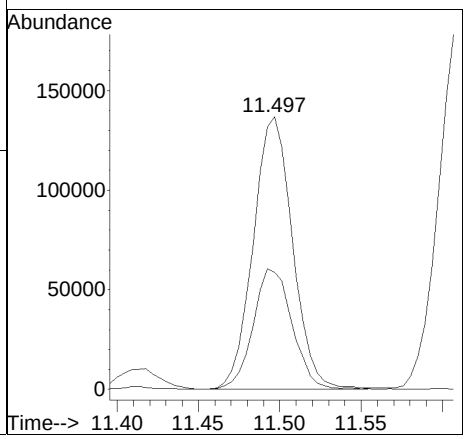


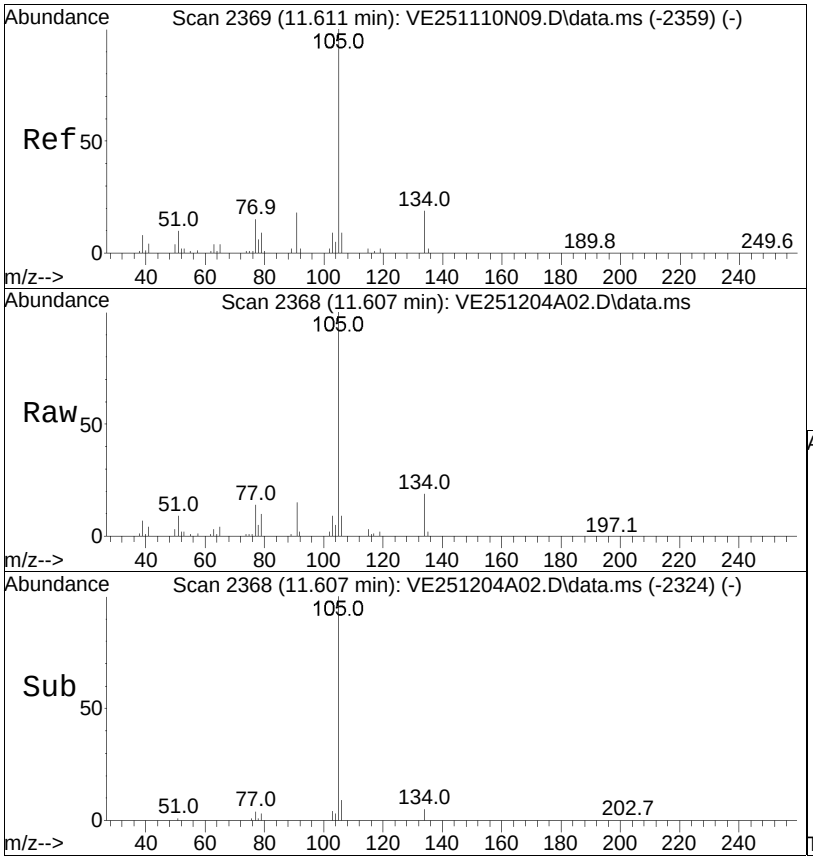


#102
1,2,4-Trimethylbenzene
Concen: 8.82 ug/L
RT: 11.497 min Scan# 2343
Delta R.T. 0.001 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:105 Resp: 230724

Ion	Ratio	Lower	Upper
105	100		
120	43.9	35.9	53.9

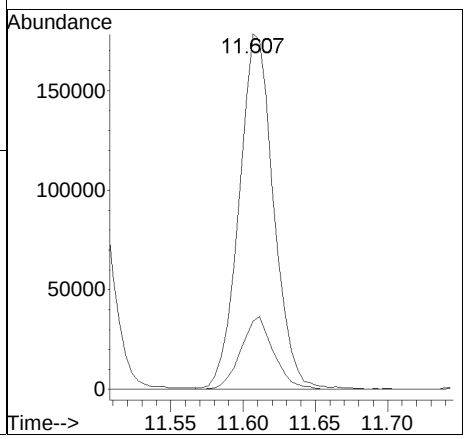


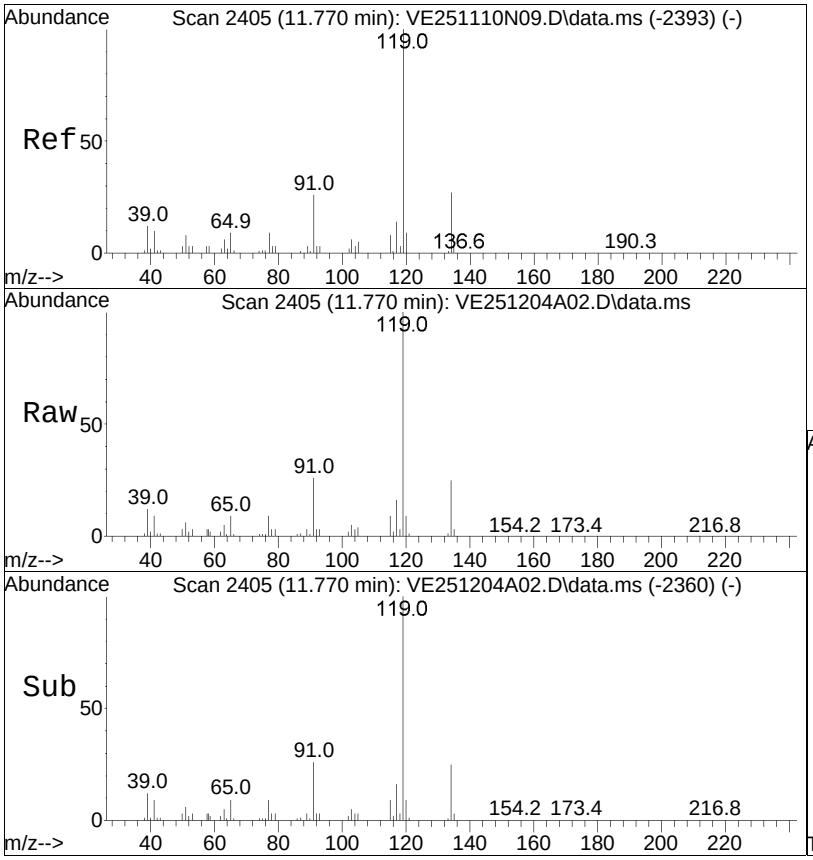


#103
sec-Butylbenzene
Concen: 9.12 ug/L
RT: 11.607 min Scan# 2368
Delta R.T. -0.004 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:105 Resp: 296965

Ion	Ratio	Lower	Upper
105	100		
134	19.4	12.2	25.2

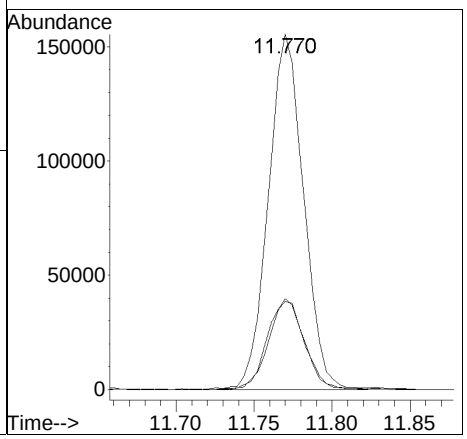


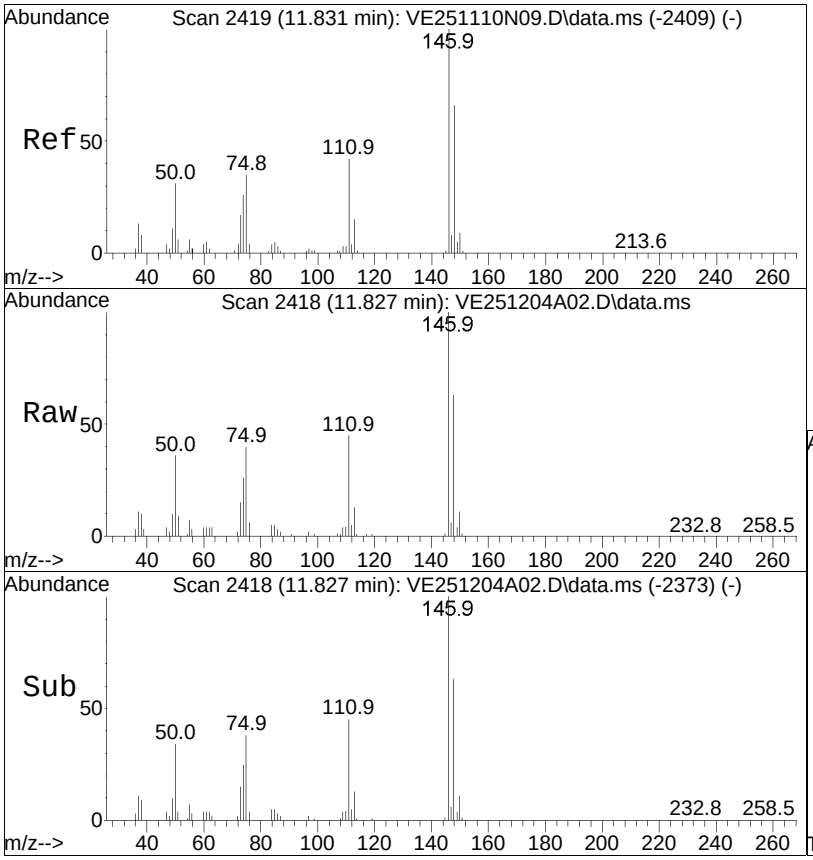


#104
p-Isopropyltoluene
Concen: 8.94 ug/L
RT: 11.770 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:119 Resp: 243950

Ion	Ratio	Lower	Upper
119	100		
134	25.6	16.8	34.8
91	26.4	18.0	37.4

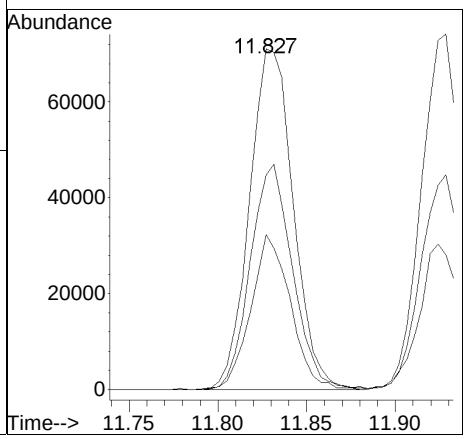


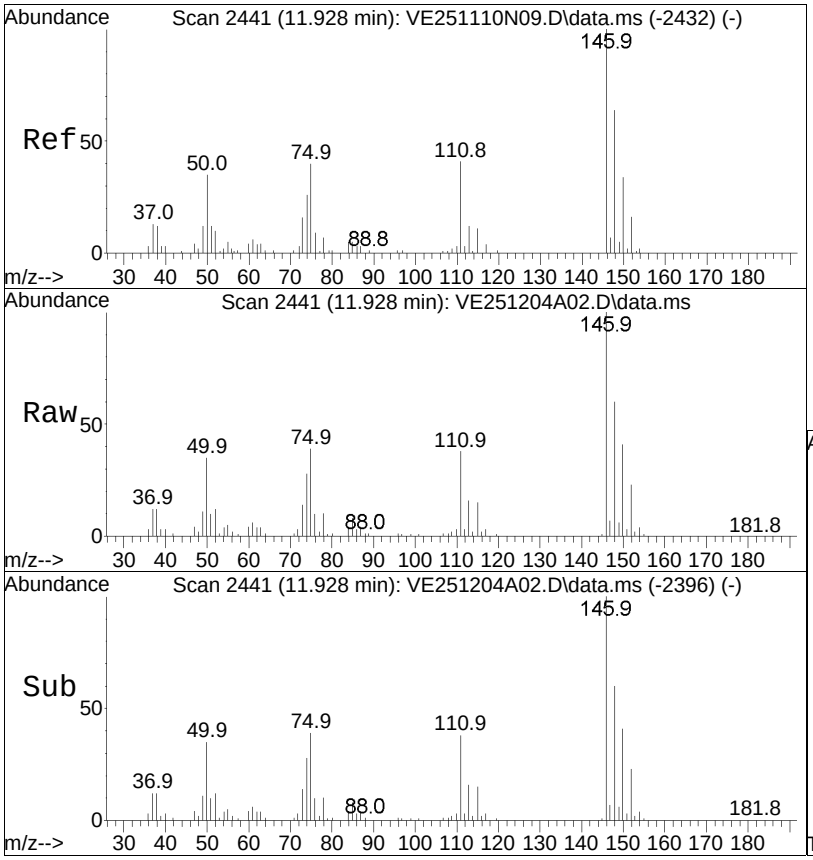


#105
1,3-Dichlorobenzene
Concen: 9.02 ug/L
RT: 11.827 min Scan# 2418
Delta R.T. -0.004 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:146 Resp: 122116

Ion	Ratio	Lower	Upper
146	100		
111	40.9	28.9	60.1
148	63.7	40.8	84.6

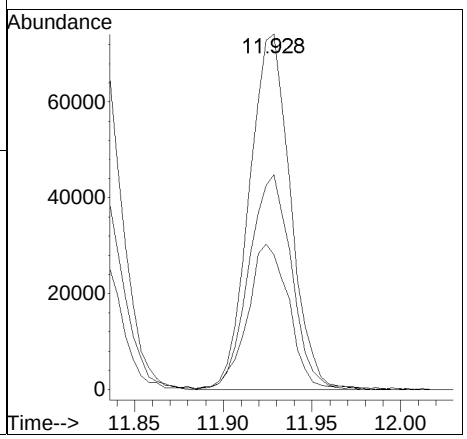


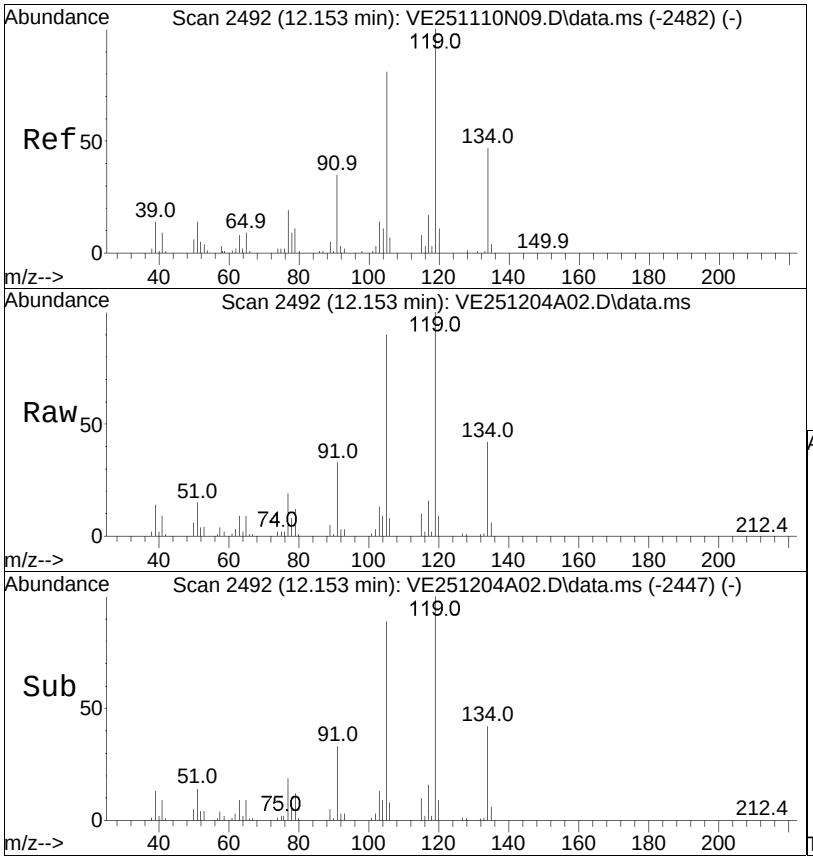


#106
1,4-Dichlorobenzene
Concen: 8.92 ug/L
RT: 11.928 min Scan# 2441
Delta R.T. 0.000 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:146 Resp: 119771

Ion	Ratio	Lower	Upper
146	100		
111	41.2	34.1	51.1
148	62.6	51.3	76.9

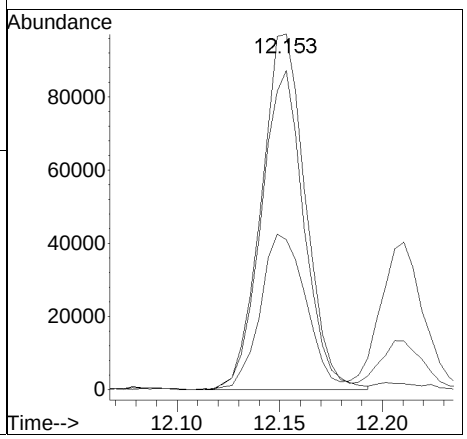


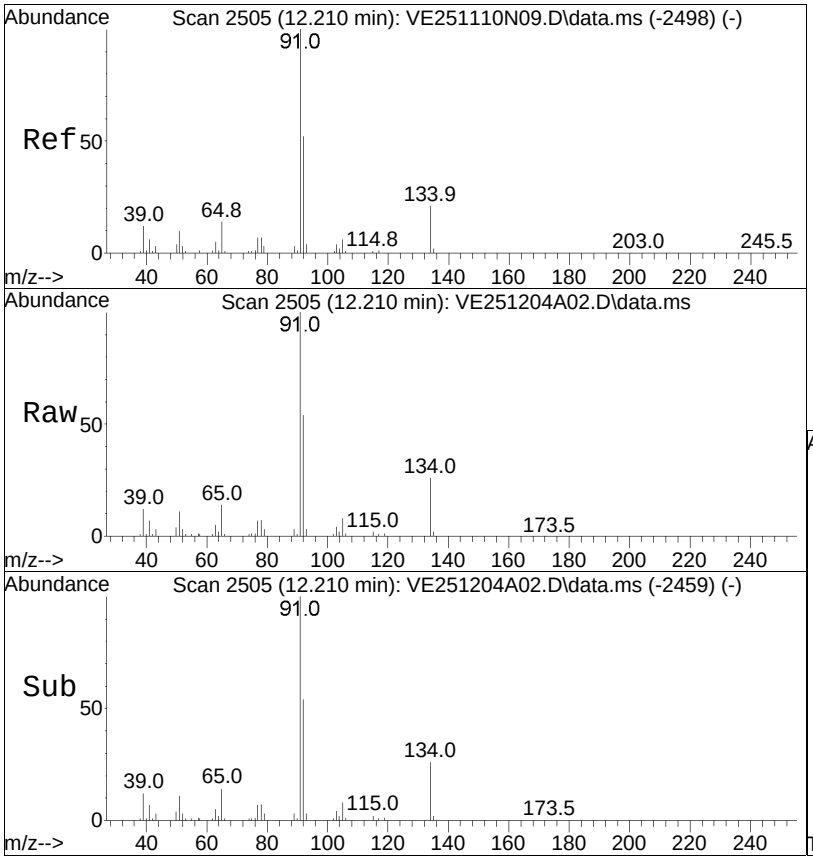


#107
p-Diethylbenzene
Concen: 9.03 ug/L
RT: 12.153 min Scan# 2492
Delta R.T. 0.000 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:119 Resp: 145627

Ion	Ratio	Lower	Upper
119	100		
105	86.5	55.8	115.8
134	44.9	29.2	60.6

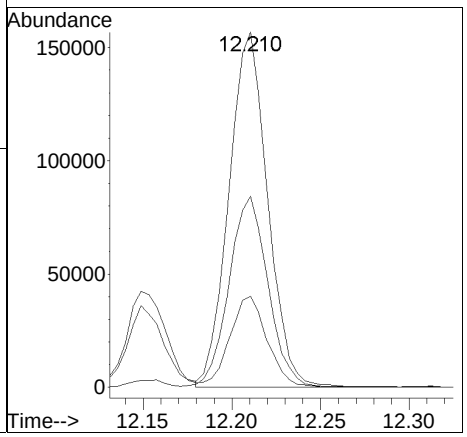


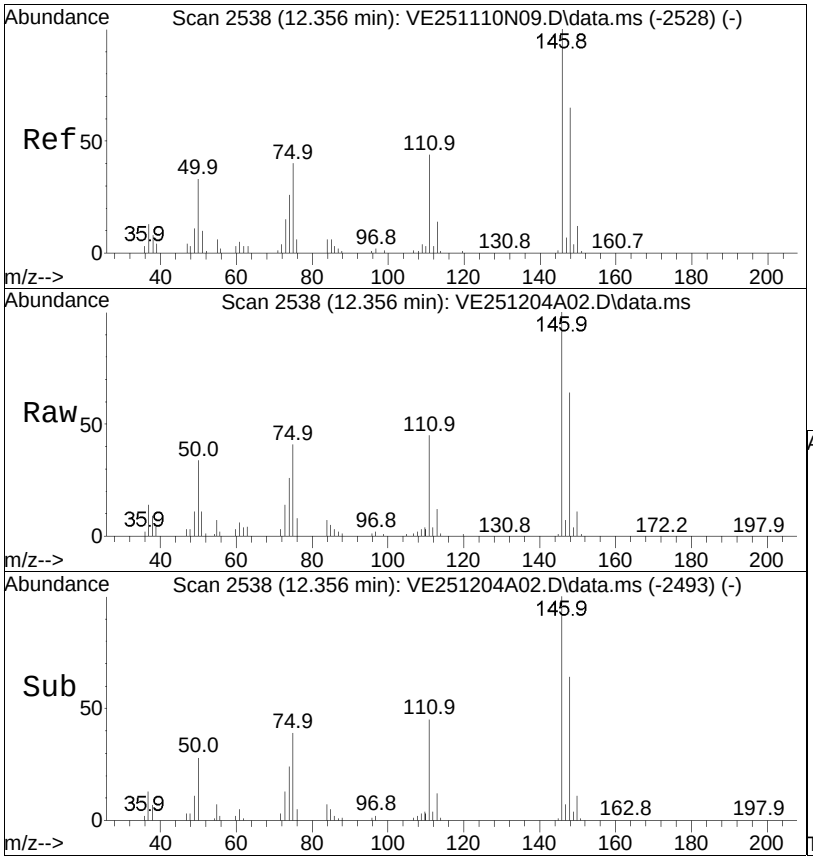


#108
n-Butylbenzene
Concen: 8.93 ug/L
RT: 12.210 min Scan# 2505
Delta R.T. 0.000 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion: 91 Resp: 237079

Ion	Ratio	Lower	Upper
91	100		
92	54.5	41.4	62.0
134	24.7	18.8	28.2

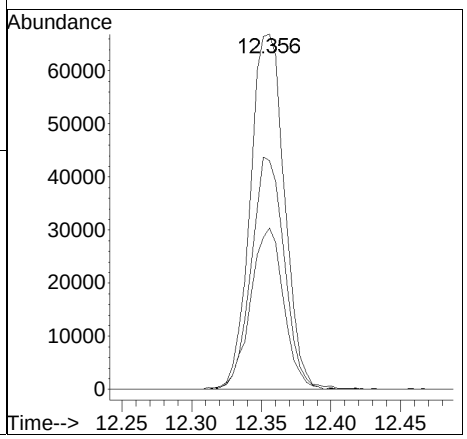


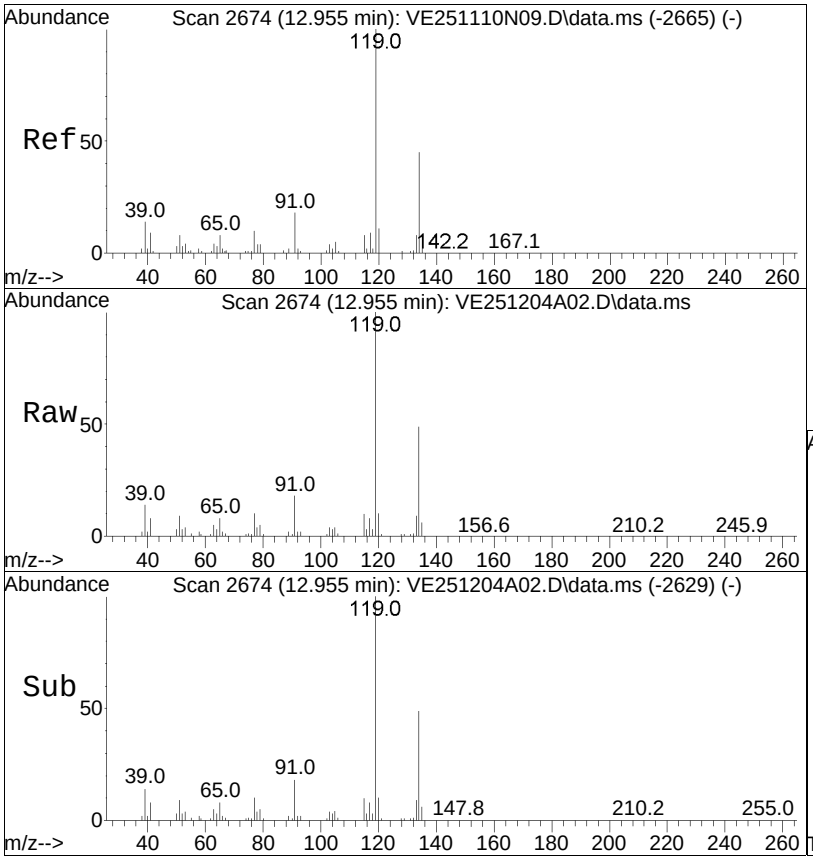


#109
1,2-Dichlorobenzene
Concen: 9.12 ug/L
RT: 12.356 min Scan# 2538
Delta R.T. -0.000 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:146 Resp: 114693

Ion	Ratio	Lower	Upper
146	100		
111	44.1	29.4	61.0
148	62.7	40.4	83.8

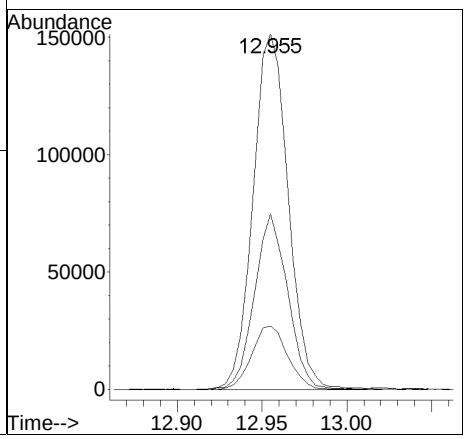


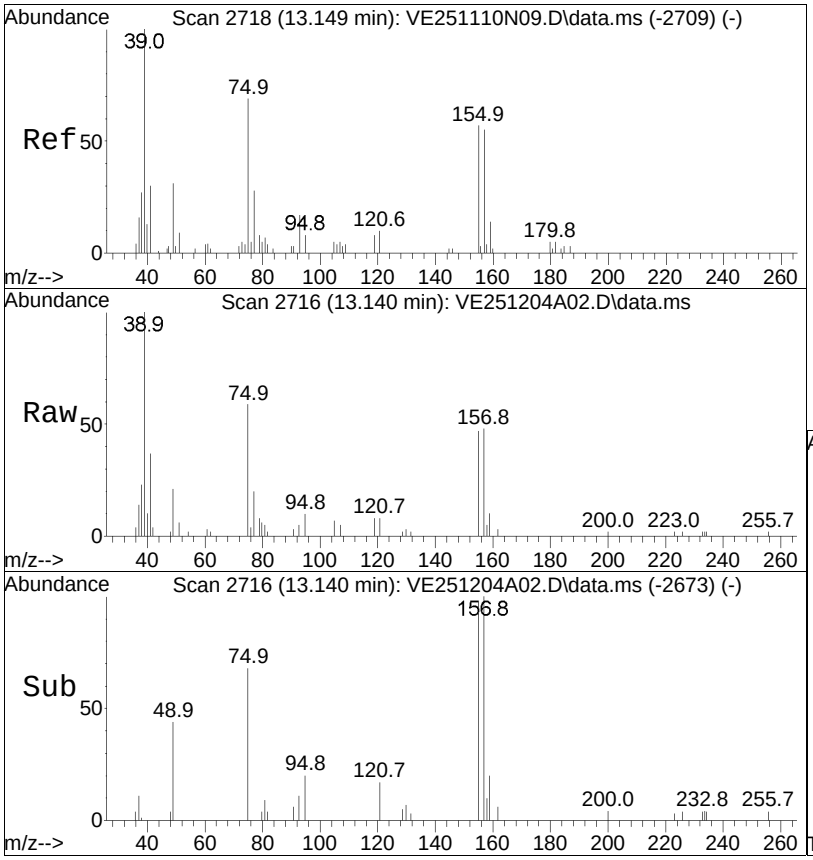


#110
1,2,4,5-Tetramethylbenzene
Concen: 8.00 ug/L
RT: 12.955 min Scan# 2674
Delta R.T. -0.000 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:119 Resp: 218123

Ion	Ratio	Lower	Upper
119	100		
134	46.6	29.6	61.6
91	18.2	12.4	25.8

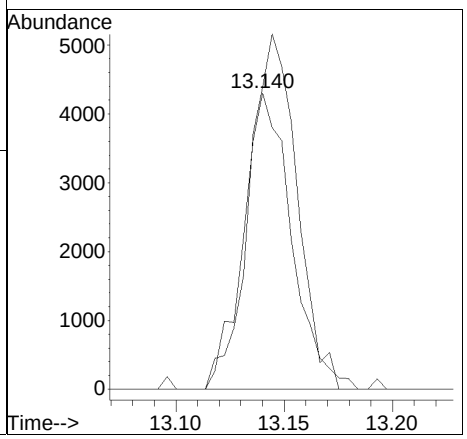


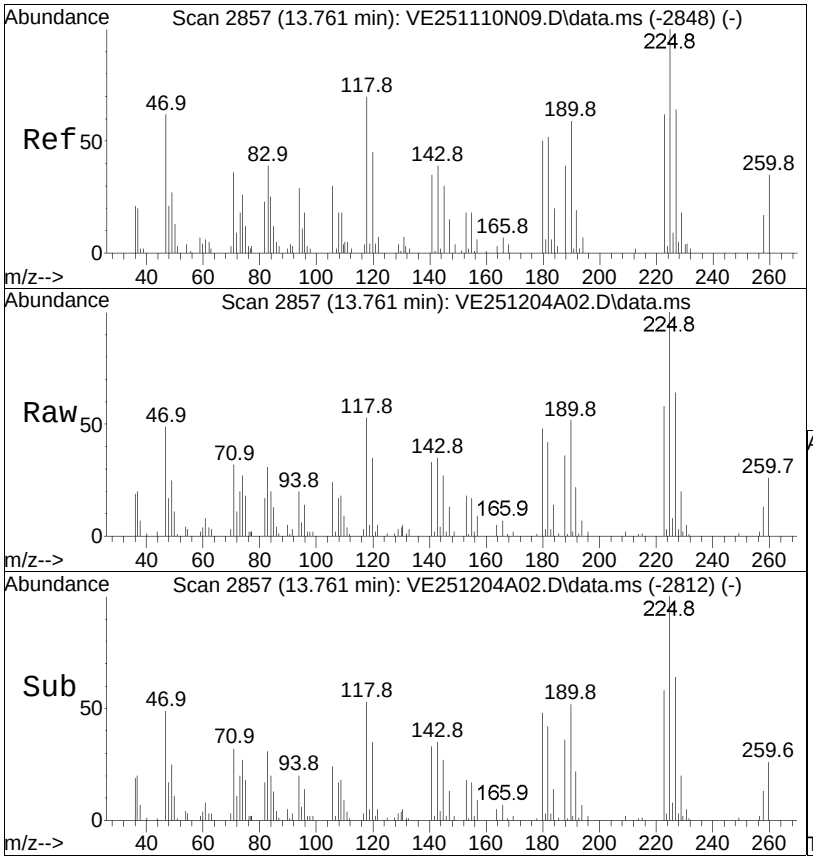


#111
1,2-Dibromo-3-chloropropane
Concen: 8.26 ug/L
RT: 13.140 min Scan# 2716
Delta R.T. -0.009 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:155 Resp: 6668

Ion	Ratio	Lower	Upper
155	100		
157	118.4	101.0	151.4

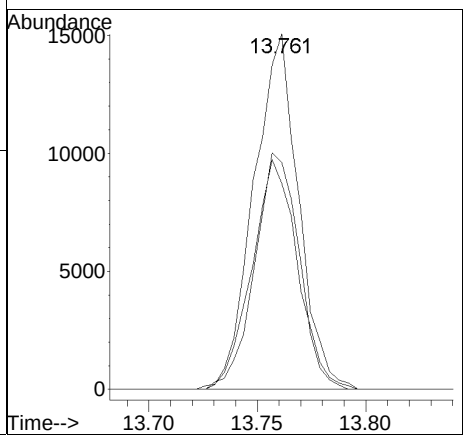


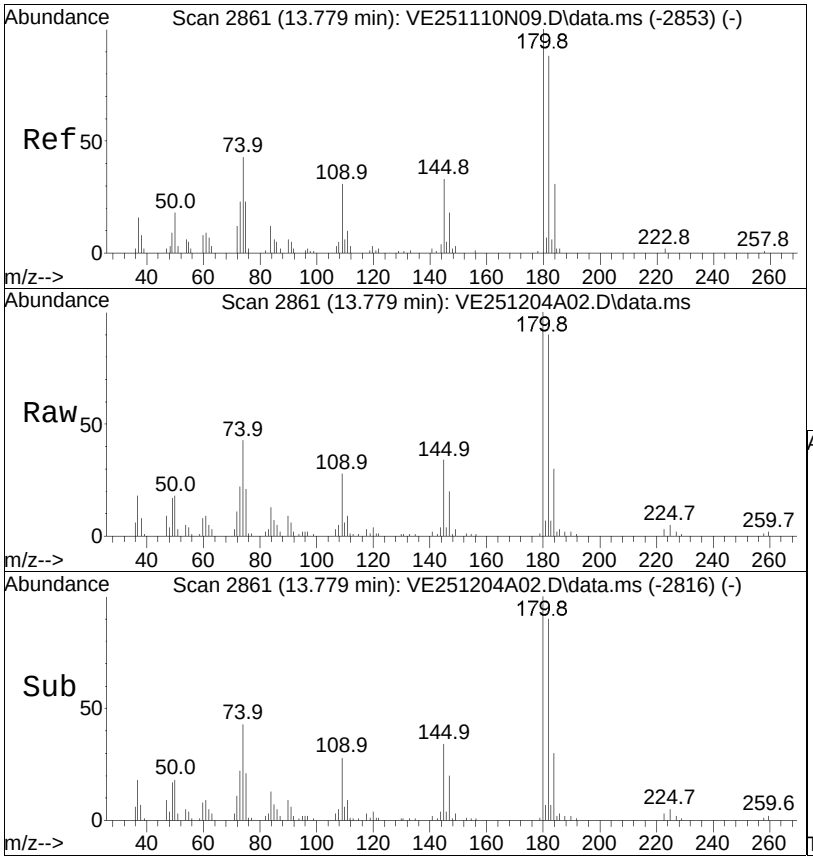


#113
Hexachlorobutadiene
Concen: 10.20 ug/L
RT: 13.761 min Scan# 2857
Delta R.T. 0.000 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:225 Resp: 21595

Ion	Ratio	Lower	Upper
225	100		
223	66.5	53.8	80.8
227	65.8	52.1	78.1

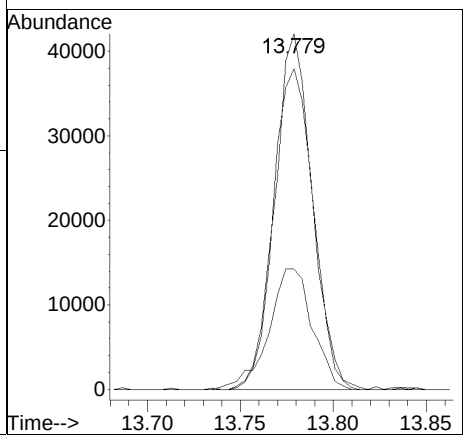


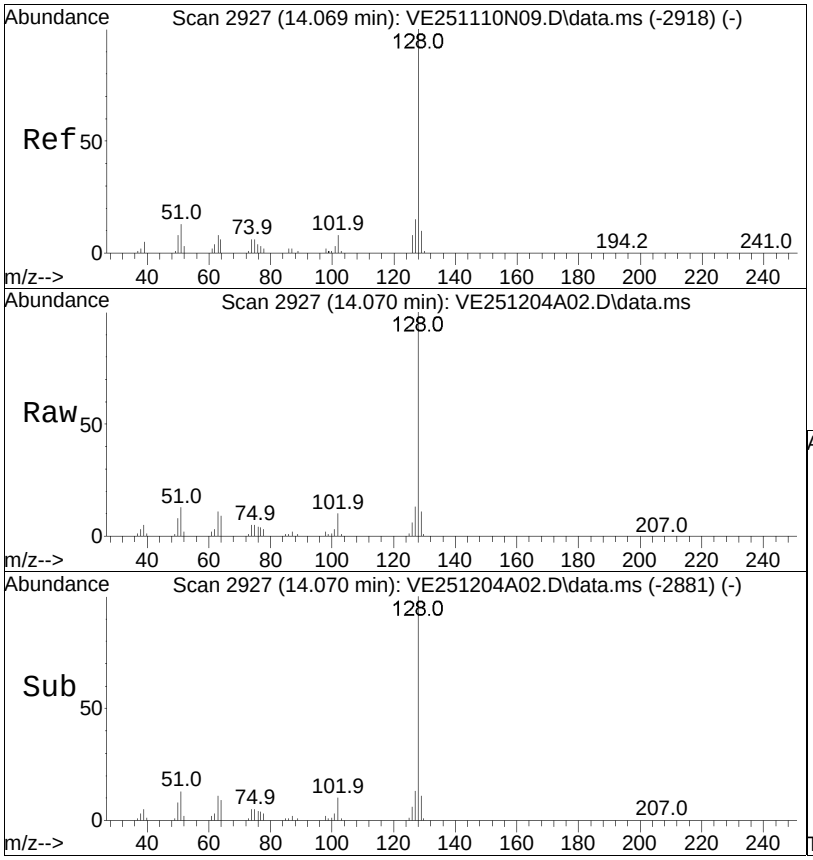


#114
1,2,4-Trichlorobenzene
Concen: 8.67 ug/L
RT: 13.779 min Scan# 2861
Delta R.T. -0.000 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:180 Resp: 59031

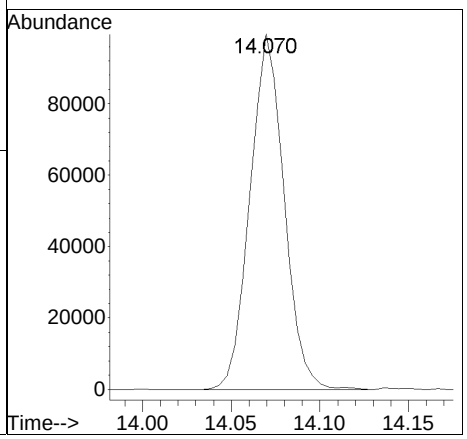
Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.1	112.7
145	39.4	29.6	44.4

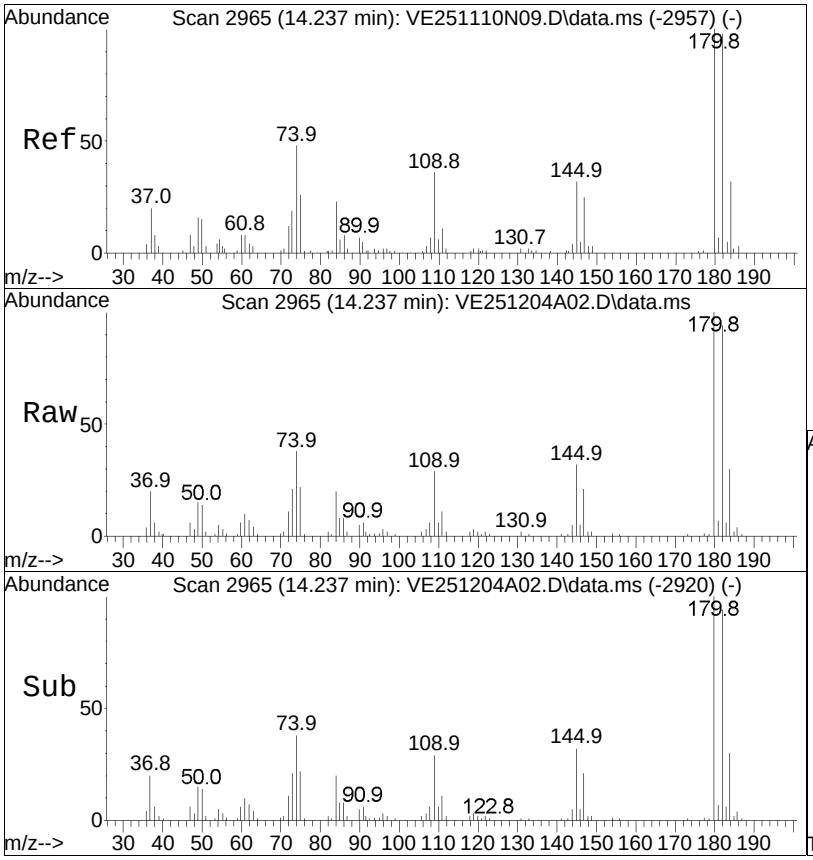




#115
Naphthalene
Concen: 7.84 ug/L
RT: 14.070 min Scan# 2927
Delta R.T. 0.001 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:128 Resp: 133158

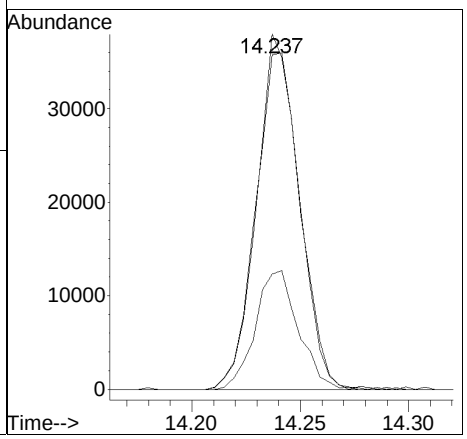




#116
1,2,3-Trichlorobenzene
Concen: 8.67 ug/L
RT: 14.237 min Scan# 2965
Delta R.T. 0.000 min
Lab File: VE251204A02.D
Acq: 4 Dec 2025 7:48 am

Tgt Ion:180 Resp: 51535

Ion	Ratio	Lower	Upper
180	100		
182	99.1	78.9	118.3
145	33.9	27.7	41.5

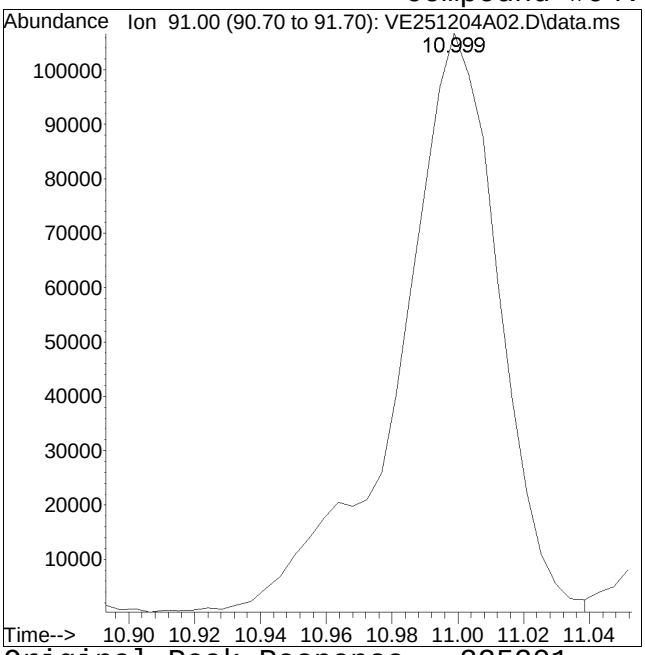


Manual Integration Report

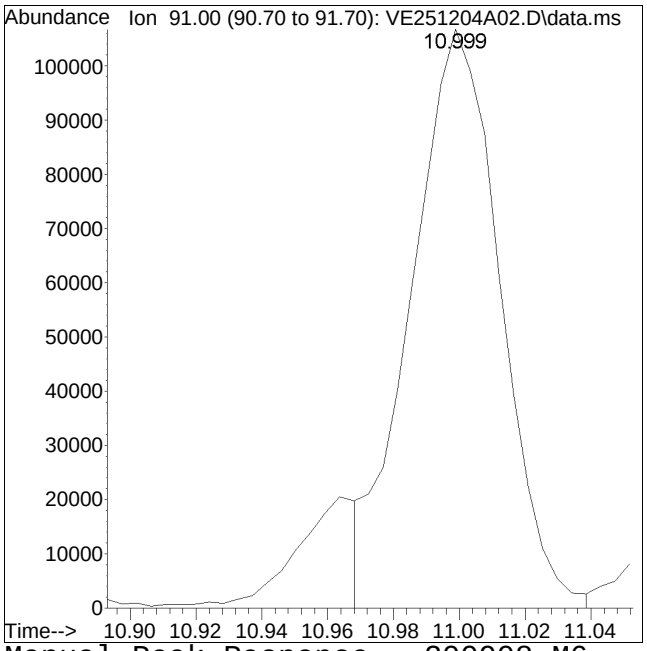
Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A02.D
Date Inj'd : 12/4/2025 7:48 am
Sample : WG2149663-4,31,10,10

QMethod : Elaine_251111N_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 12/4/2025 8:16 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 225201



Manual Peak Response = 200908 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A26.D
Acq On : 4 Dec 2025 5:39 pm
Operator : ELAINE:MJV
Sample : WG2149663-6,31,10,10,,A1 (Sig #1); L2575144-06MS,31,10,10,,A1 (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 05 06:05:02 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.629	96	197882	10.000	ug/L	0.00
Standard Area 1 = 228604			Recovery = 86.56%			
63) Chlorobenzene-d5	9.131	117	163582	10.000	ug/L	0.00
Standard Area 1 = 181694			Recovery = 90.03%			
84) 1,4-Dichlorobenzene-d4	11.906	152	94991	10.000	ug/L	0.00
Standard Area 1 = 98206			Recovery = 96.73%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.847	113	56703	10.397	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.97%			
47) 1,2-Dichloroethane-d4	5.357	65	78169	10.520	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.20%			
64) Toluene-d8	7.306	98	208900	9.542	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.42%			
88) 4-Bromofluorobenzene	10.664	95	85876	9.484	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.84%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.463	85	64177	9.896	ug/L	99
3) Chloromethane	1.636	50	79011	9.110	ug/L	98
4) Vinyl chloride	1.703	62	75481	11.177	ug/L	85
5) Bromomethane	1.984	94	12140	3.929	ug/L	80
6) Chloroethane	2.084	64	53145	12.082	ug/L	88
7) Trichlorofluoromethane	2.215	101	77351	9.683	ug/L	95
8) Ethyl ether	2.492	74	24425	9.350	ug/L	95
10) 1,1-Dichloroethene	2.673	96	42836	9.707	ug/L	92
11) Carbon disulfide	2.700	76	166014	11.116	ug/L	96
15) Methylene chloride	3.198	84	52887	9.849	ug/L	100
17) Acetone	3.235	43	28822	16.602	ug/L	96
18) trans-1,2-Dichloroethene	3.343	96	39401	9.353	ug/L	94
21) Methyl tert-butyl ether	3.434	73	86114	8.794	ug/L #	96
25) 1,1-Dichloroethane	3.901	63	123362	10.872	ug/L	99
27) Acrylonitrile	3.946	53	18550	9.865	ug/L	95
29) Vinyl acetate	4.127	43	113716	8.792	ug/L	98
30) cis-1,2-Dichloroethene	4.408	96	53426	10.567	ug/L	86
31) 2,2-Dichloropropane	4.508	77	62843	8.795	ug/L	96
33) Bromochloromethane	4.598	128	24784	11.166	ug/L #	72

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A26.D
Acq On : 4 Dec 2025 5:39 pm
Operator : ELAINE:MJV
Sample : WG2149663-6,31,10,10,,A1 (Sig #1); L2575144-06MS,31,10,10,,A1 (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 05 06:05:02 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) Chloroform	4.666	83	88901	9.801	ug/L	97
37) Carbon tetrachloride	4.797	117	60057	11.107	ug/L	90
40) 1,1,1-Trichloroethane	4.861	97	76865	11.250	ug/L	94
42) 2-Butanone	4.947	43	40402	18.555	ug/L	93
43) 1,1-Dichloropropene	4.979	75	56415	9.758	ug/L	99
45) Benzene	5.217	78	180131	9.819	ug/L	98
48) 1,2-Dichloroethane	5.419	62	77452	10.211	ug/L	98
52) Trichloroethene	5.809	95	45944	10.384	ug/L	99
54) Dibromomethane	6.239	93	27261	9.999	ug/L	99
55) 1,2-Dichloropropane	6.340	63	53560	9.214	ug/L	95
58) Bromodichloromethane	6.419	83	63468	10.080	ug/L	94
61) 1,4-Dioxane	6.630	88	16490	468.779	ug/L	94
62) cis-1,3-Dichloropropene	7.099	75	59339	8.574	ug/L	95
65) Toluene	7.354	92	117934	9.717	ug/L	96
66) 4-Methyl-2-pentanone	7.793	58	15696	10.002	ug/L	88
67) Tetrachloroethene	7.801	166	42307	9.787	ug/L	100
69) trans-1,3-Dichloropropene	7.845	75	56245	7.765	ug/L	99
72) 1,1,2-Trichloroethane	8.021	83	27181	8.617	ug/L	95
73) Chlorodibromomethane	8.232	129	37765	8.897	ug/L	100
74) 1,3-Dichloropropane	8.341	76	63028	8.998	ug/L	99
75) 1,2-Dibromoethane	8.495	107	31759	8.490	ug/L	96
77) 2-Hexanone	8.793	43	34845	9.271	ug/L	95
78) Chlorobenzene	9.144	112	133957	9.867	ug/L	98
79) Ethylbenzene	9.192	91	251522	9.922	ug/L	100
80) 1,1,1,2-Tetrachloroethane	9.236	131	37563	9.128	ug/L	94
81) p/m Xylene	9.377	106	192955	19.488	ug/L	98
82) o Xylene	9.921	106	186751	19.032	ug/L	100
83) Styrene	9.991	104	309575	18.067	ug/L	100
85) Bromoform	10.017	173	21413	7.874	ug/L	100
87) Isopropylbenzene	10.329	105	250994	9.075	ug/L	99
89) Bromobenzene	10.778	156	53975	9.395	ug/L	95
90) n-Propylbenzene	10.831	91	324036	9.300	ug/L	100
92) 1,1,2,2-Tetrachloroethane	10.928	83	48823	9.355	ug/L	99
93) 4-Ethyltoluene	10.963	105	262042	9.642	ug/L	100
94) 2-Chlorotoluene	10.999	91	190073M6	9.053	ug/L	
95) 1,3,5-Trimethylbenzene	11.065	105	222515	9.136	ug/L	99
96) 1,2,3-Trichloropropane	11.060	75	42186	9.088	ug/L	97
97) trans-1,4-Dichloro-2-b...	11.122	53	18306	7.791	ug/L	97

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A26.D
Acq On : 4 Dec 2025 5:39 pm
Operator : ELAINE:MJV
Sample : WG2149663-6,31,10,10,,A1 (Sig #1); L2575144-06MS,31,10,10,,A1 (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 05 06:05:02 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 4-Chlorotoluene	11.188	91	194347	9.152	ug/L	98
99) tert-Butylbenzene	11.417	119	186699	9.455	ug/L	99
102) 1,2,4-Trimethylbenzene	11.492	105	220544	9.080	ug/L	99
103) sec-Butylbenzene	11.607	105	284127	9.396	ug/L	99
104) p-Isopropyltoluene	11.770	119	231516	9.136	ug/L	98
105) 1,3-Dichlorobenzene	11.827	146	113425	9.014	ug/L	98
106) 1,4-Dichlorobenzene	11.924	146	116097	9.304	ug/L	98
107) p-Diethylbenzene	12.149	119	135437	9.038	ug/L	100
108) n-Butylbenzene	12.210	91	222304	9.009	ug/L	97
109) 1,2-Dichlorobenzene	12.351	146	111289	9.522	ug/L	99
110) 1,2,4,5-Tetramethylben...	12.955	119	202689	8.000	ug/L	99
111) 1,2-Dibromo-3-chloropr...	13.144	155	6907	9.170	ug/L	100
113) Hexachlorobutadiene	13.761	225	20644	10.484	ug/L	93
114) 1,2,4-Trichlorobenzene	13.774	180	60668	9.587	ug/L	95
115) Naphthalene	14.069	128	148151	9.393	ug/L	100
116) 1,2,3-Trichlorobenzene	14.237	180	53373	9.669	ug/L	98

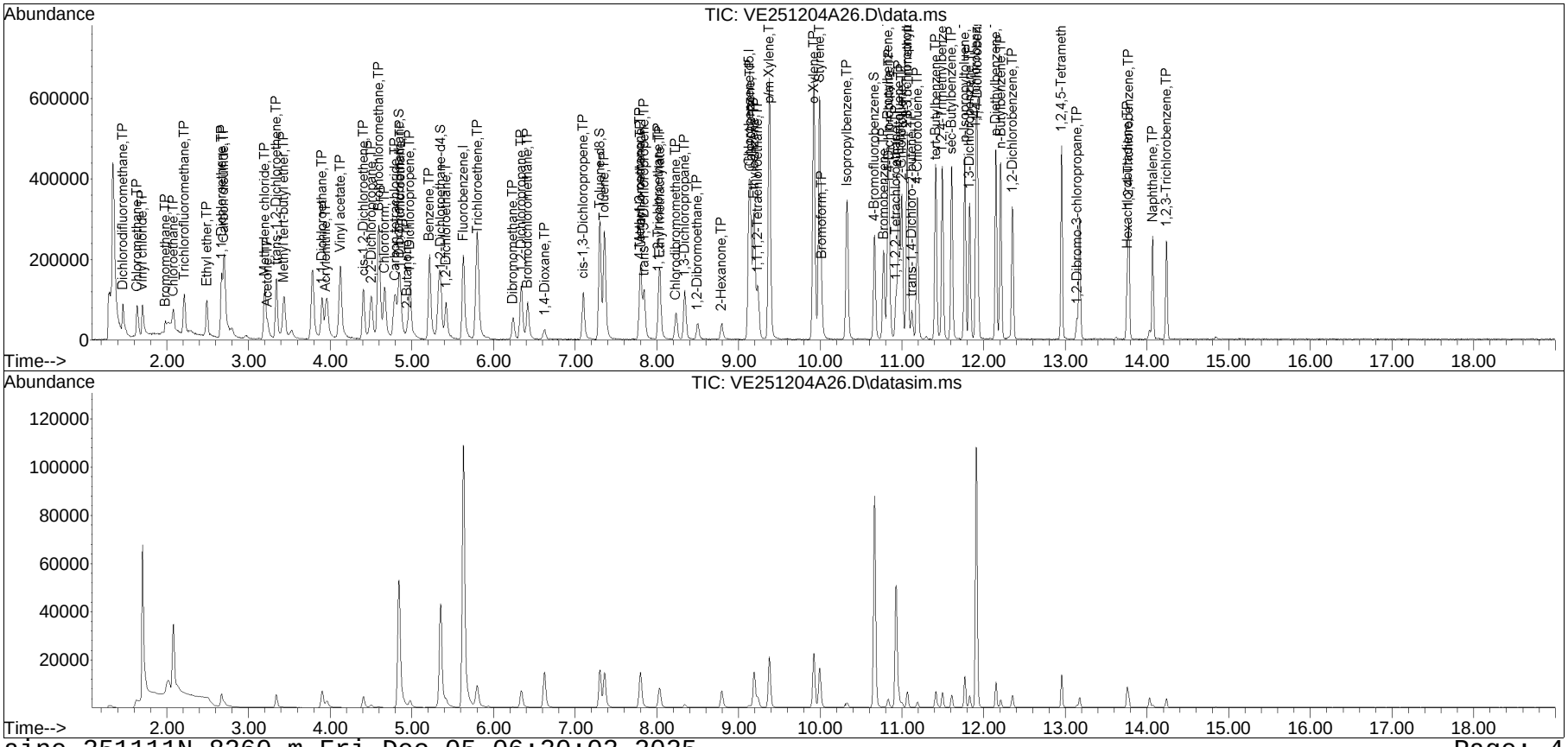
(#) = qualifier out of range (m) = manual integration (+) = signals summed

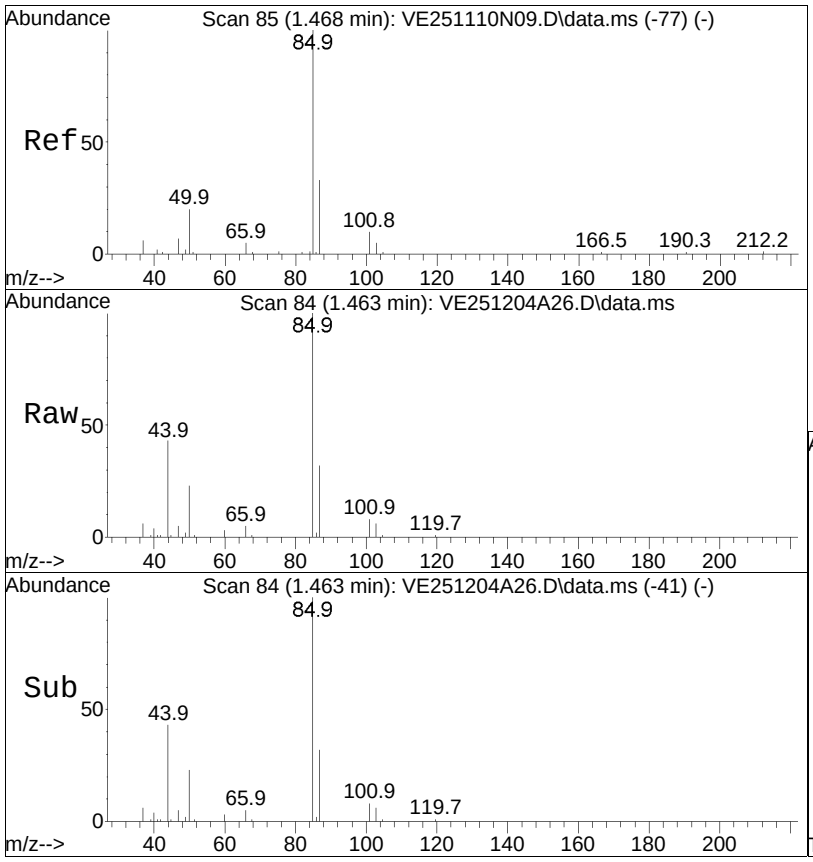
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A26.D
Acq On : 4 Dec 2025 5:39 pm
Operator : ELAINE:MJV
Sample : WG2149663-6,31,10,10,,A1 (Sig #1); L2575144-06MS,31,10,10,,A1 (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 05 06:05:02 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox51204A01.D•

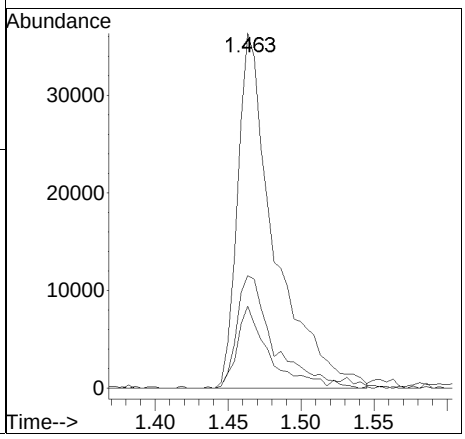


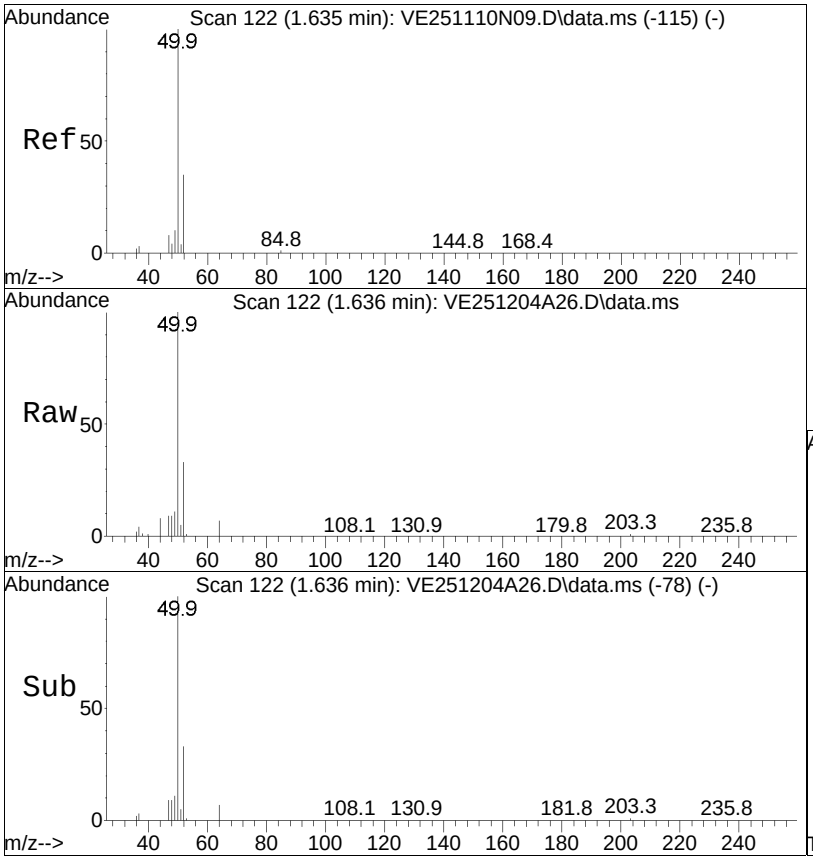


#2
Dichlorodifluoromethane
Concen: 9.90 ug/L
RT: 1.463 min Scan# 84
Delta R.T. -0.005 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 85 Resp: 64177

Ion	Ratio	Lower	Upper
85	100		
87	31.8	20.6	42.8
50	20.7	12.9	26.9

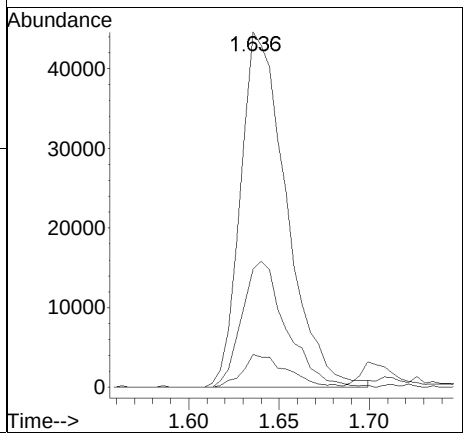


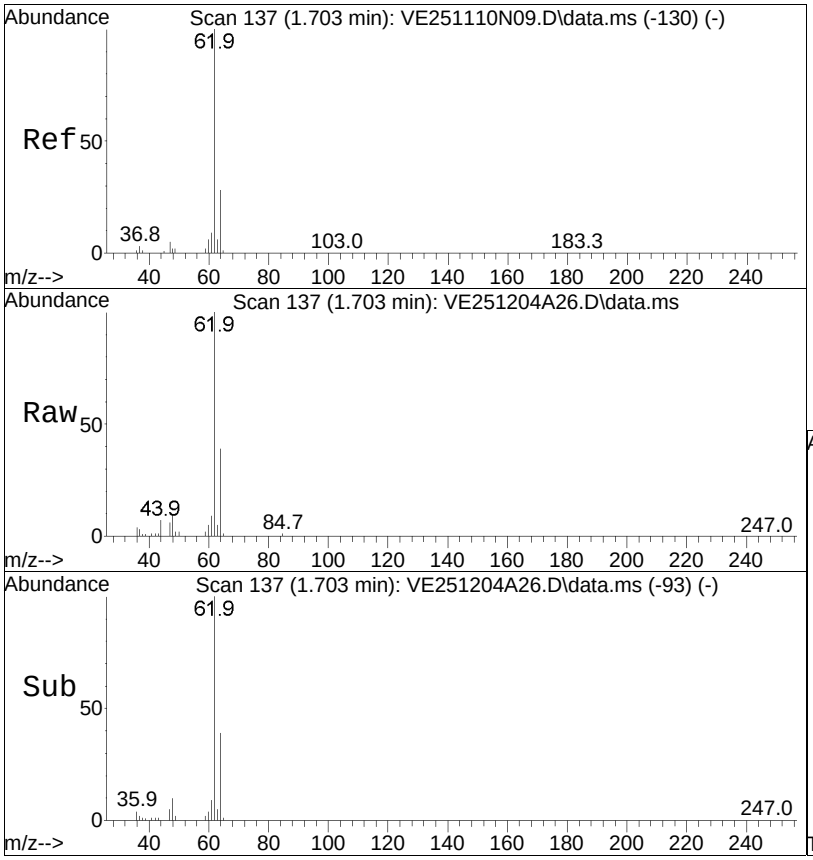


#3
Chloromethane
Concen: 9.11 ug/L
RT: 1.636 min Scan# 122
Delta R.T. 0.001 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 50 Resp: 79011

Ion	Ratio	Lower	Upper
50	100		
52	34.5	13.7	53.7
47	9.1	0.0	27.6

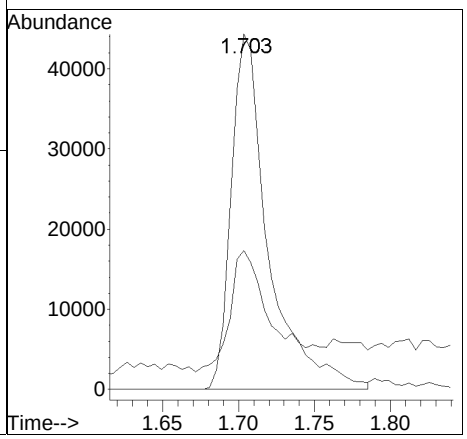


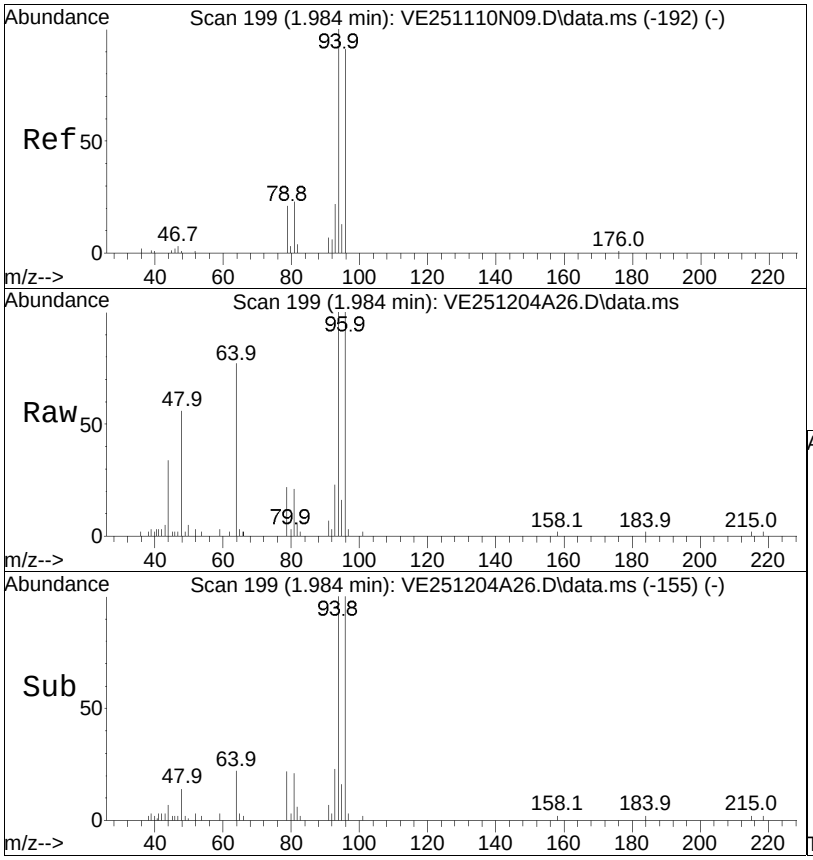


#4
Vinyl chloride
Concen: 11.18 ug/L
RT: 1.703 min Scan# 137
Delta R.T. 0.000 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 62 Resp: 75481

Ion	Ratio	Lower	Upper
62	100		
64	38.8	10.6	50.6

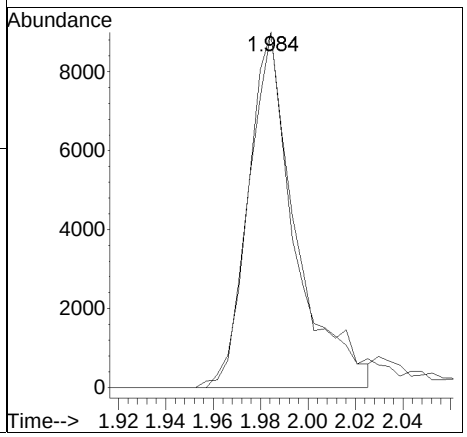


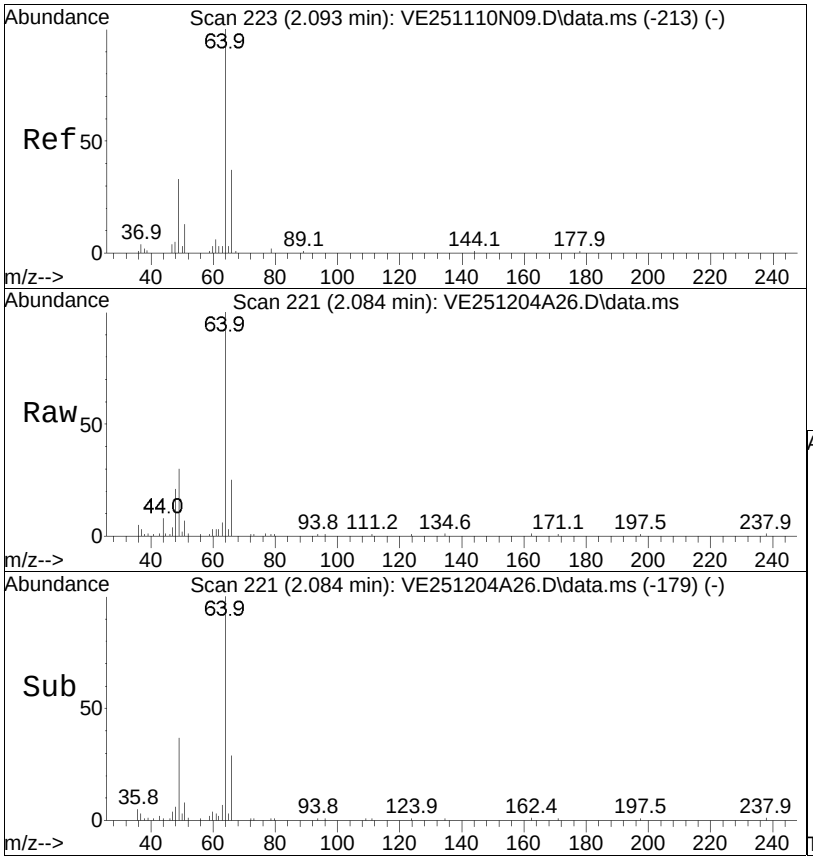


#5
Bromomethane
Concen: 3.93 ug/L
RT: 1.984 min Scan# 199
Delta R.T. 0.000 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 94 Resp: 12140

Ion	Ratio	Lower	Upper
94	100		
96	110.5	71.9	111.9

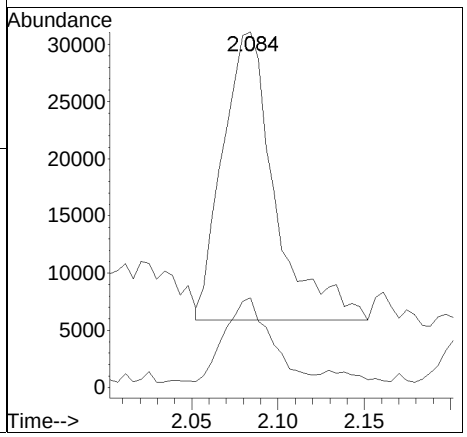


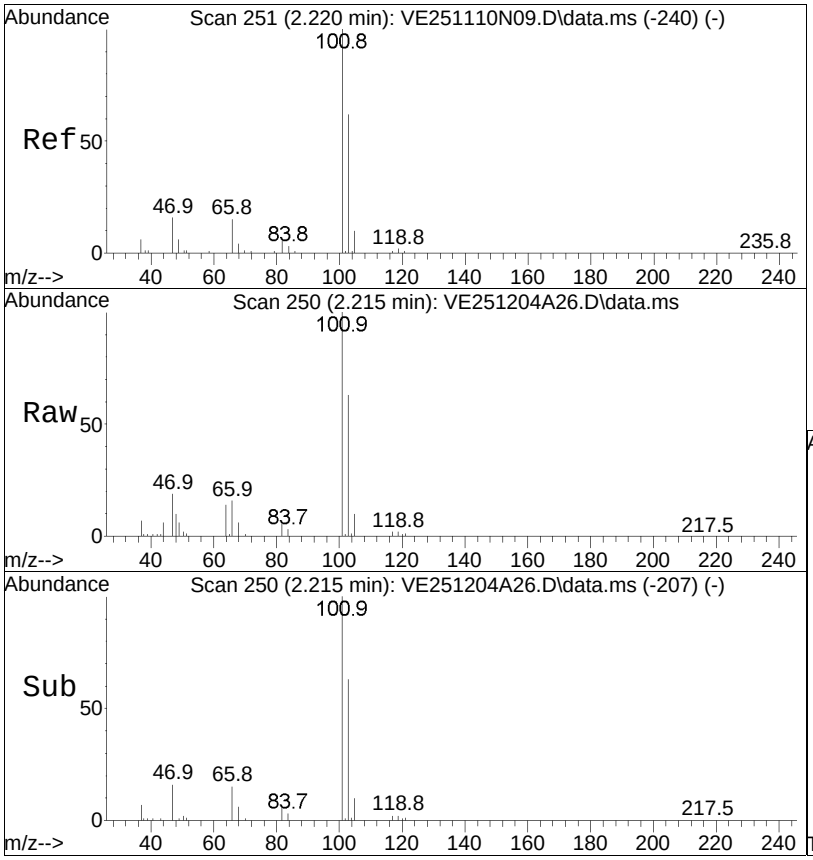


#6
Chloroethane
Concen: 12.08 ug/L
RT: 2.084 min Scan# 221
Delta R.T. -0.009 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 64 Resp: 53145

Ion	Ratio	Lower	Upper
64	100		
66	25.3	12.2	52.2

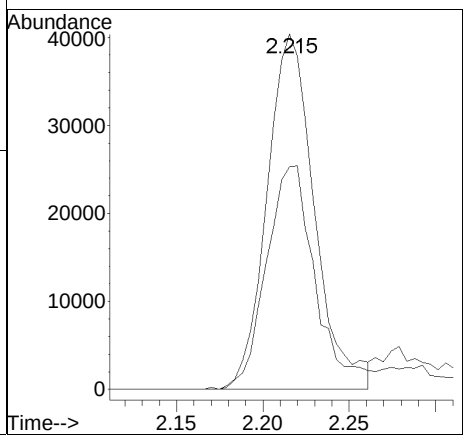


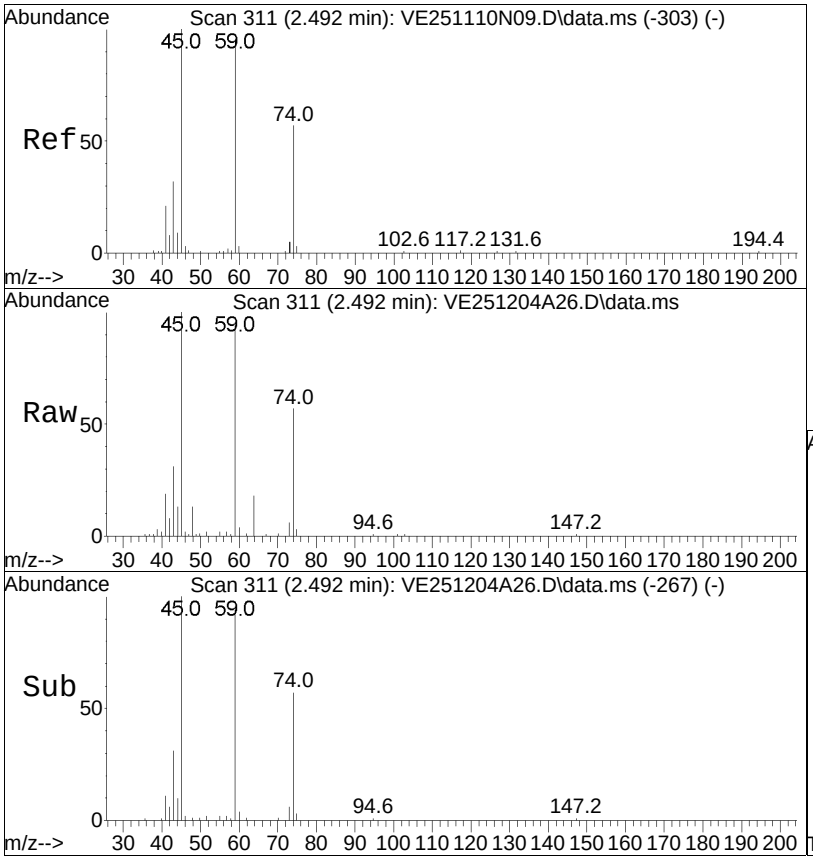


#7
Trichlorofluoromethane
Concen: 9.68 ug/L
RT: 2.215 min Scan# 250
Delta R.T. -0.005 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:101 Resp: 77351

Ion	Ratio	Lower	Upper
101	100		
103	65.7	49.4	74.0

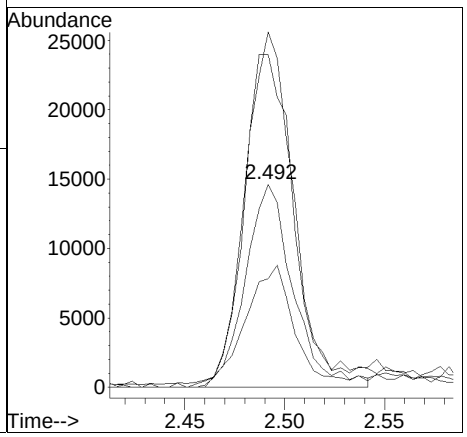


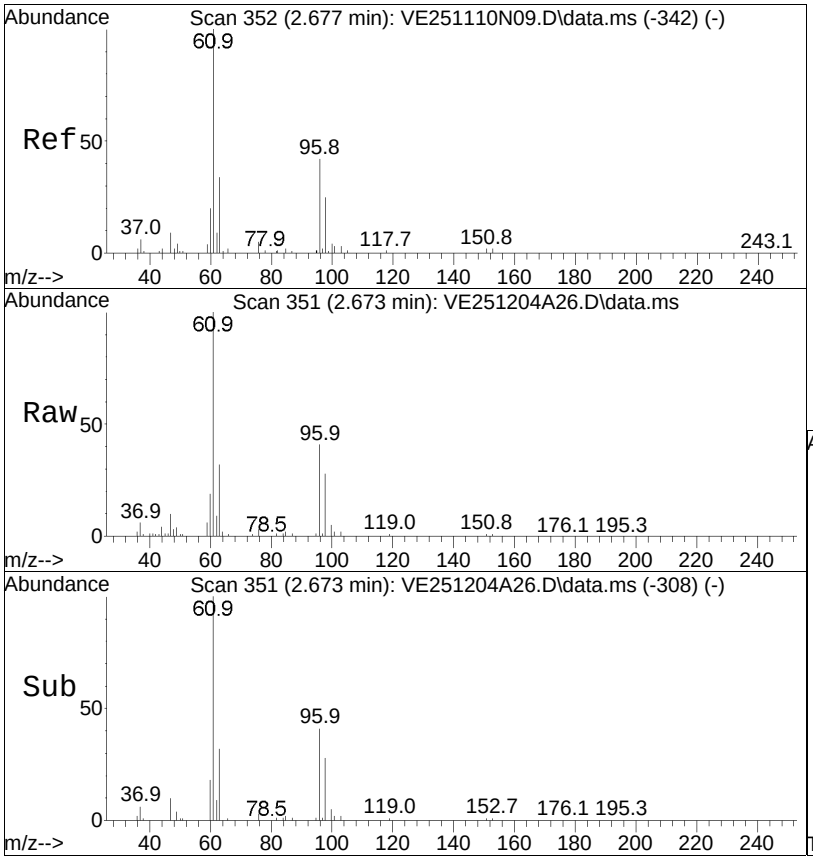


#8
Ethyl ether
Concen: 9.35 ug/L
RT: 2.492 min Scan# 311
Delta R.T. -0.000 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 74 Resp: 24425

Ion	Ratio	Lower	Upper
74	100		
59	169.3	114.5	237.9
45	177.6	120.8	250.8
43	62.5	42.9	89.1

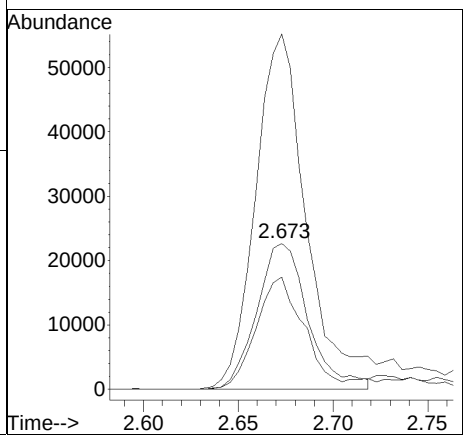


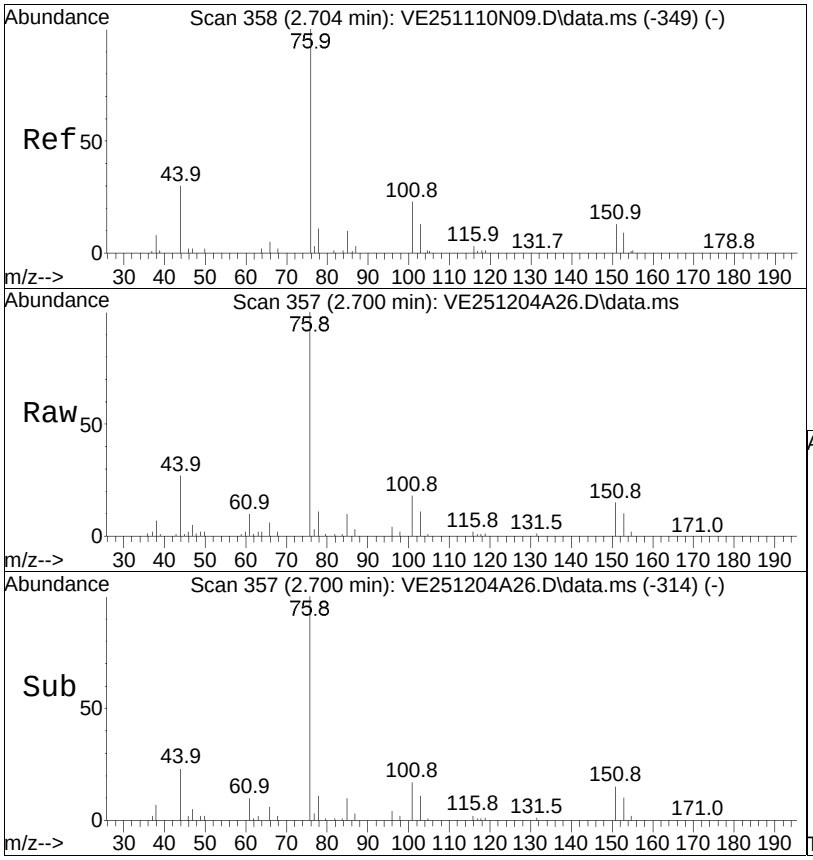


#10
1,1-Dichloroethene
Concen: 9.71 ug/L
RT: 2.673 min Scan# 351
Delta R.T. -0.004 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 96 Resp: 42836

Ion	Ratio	Lower	Upper
96	100		
61	252.5	190.2	285.2
63	71.1	59.9	89.9

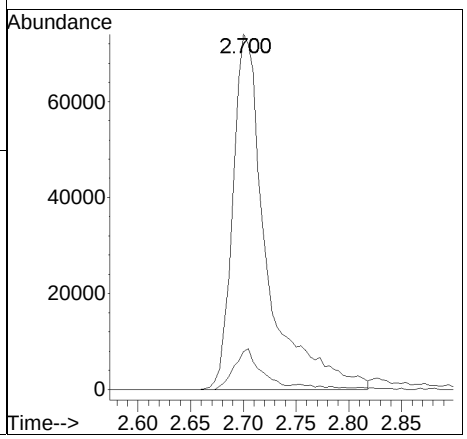


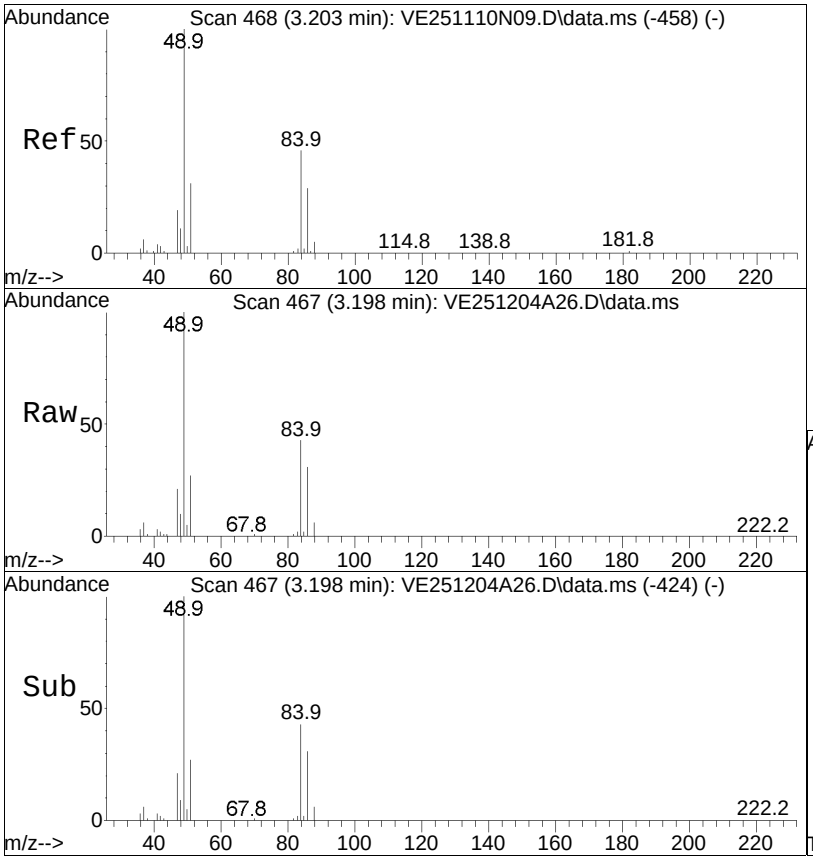


#11
Carbon disulfide
Concen: 11.12 ug/L
RT: 2.700 min Scan# 357
Delta R.T. -0.004 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 76 Resp: 166014

Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.6	13.8

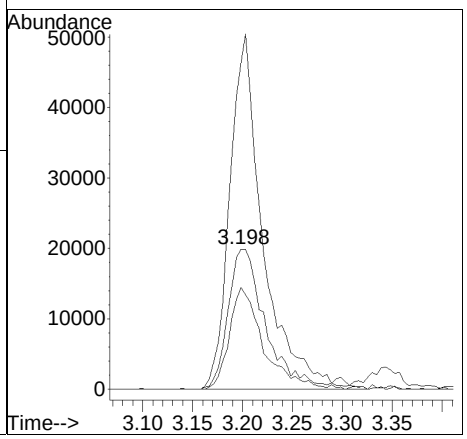


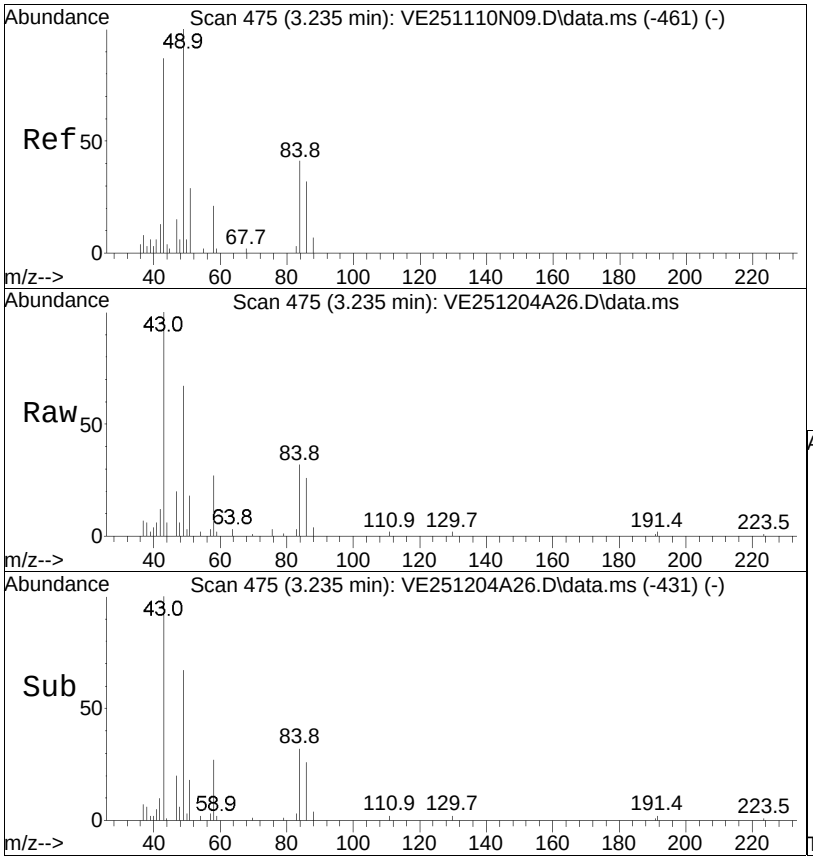


#15
Methylene chloride
Concen: 9.85 ug/L
RT: 3.198 min Scan# 467
Delta R.T. -0.005 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 84 Resp: 52887

Ion	Ratio	Lower	Upper
84	100		
86	65.0	41.8	86.8
49	218.3	141.8	294.6

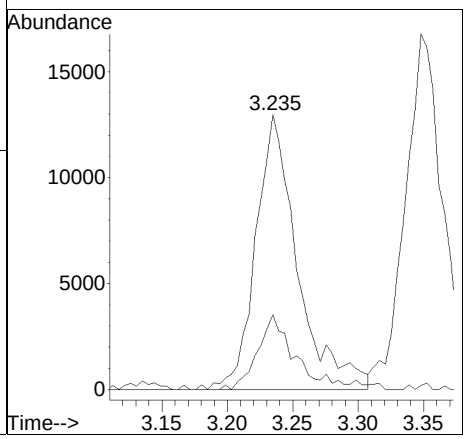


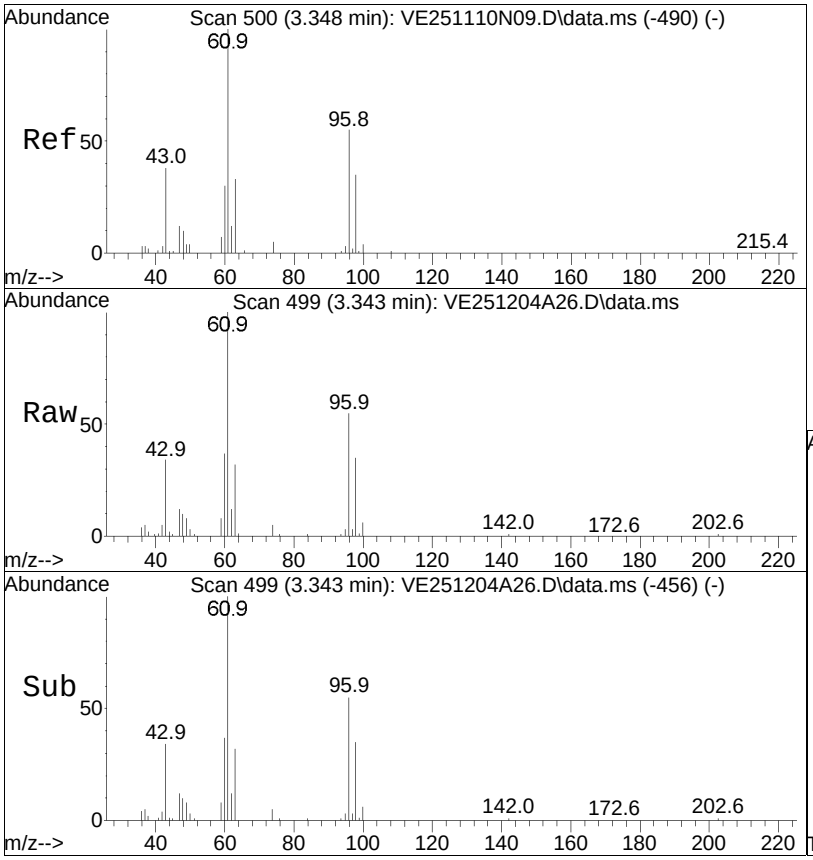


#17
Acetone
Concen: 16.60 ug/L
RT: 3.235 min Scan# 475
Delta R.T. -0.000 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 43 Resp: 28822

Ion	Ratio	Lower	Upper
43	100		
58	22.1	16.2	24.4

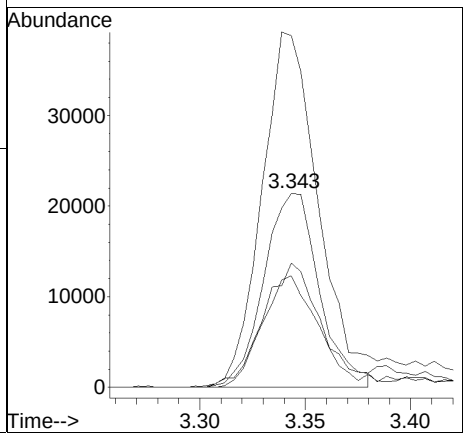


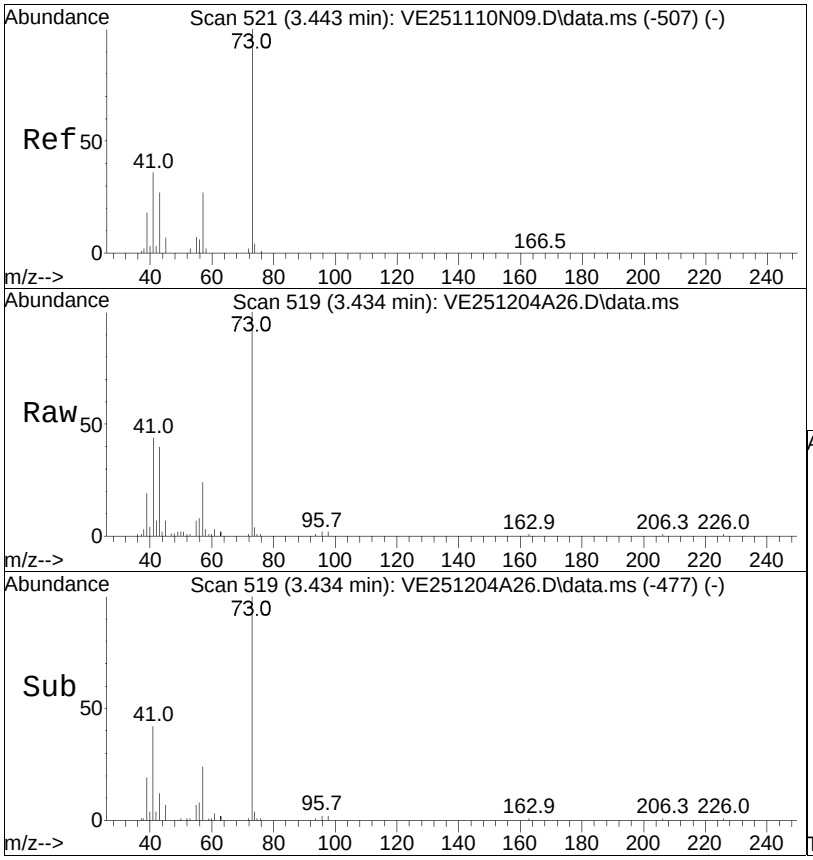


#18
trans-1,2-Dichloroethene
Concen: 9.35 ug/L
RT: 3.343 min Scan# 499
Delta R.T. -0.005 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 96 Resp: 39401

Ion	Ratio	Lower	Upper
96	100		
61	193.5	118.2	245.6
98	67.3	41.9	86.9
63	59.2	39.4	81.8

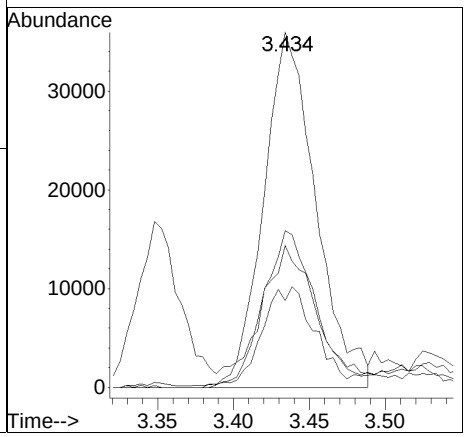


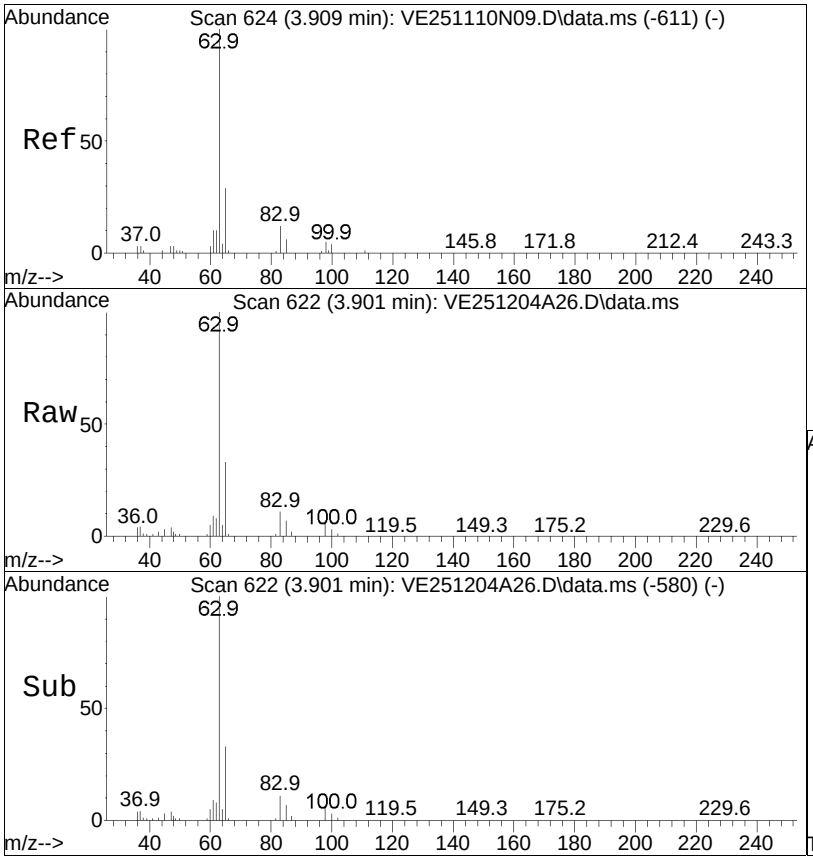


#21
Methyl tert-butyl ether
Concen: 8.79 ug/L
RT: 3.434 min Scan# 519
Delta R.T. -0.009 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 73 Resp: 86114

Ion	Ratio	Lower	Upper
73	100		
57	28.6	21.3	44.1
43	35.2	0.0	0.0#
41	44.6	30.0	62.2

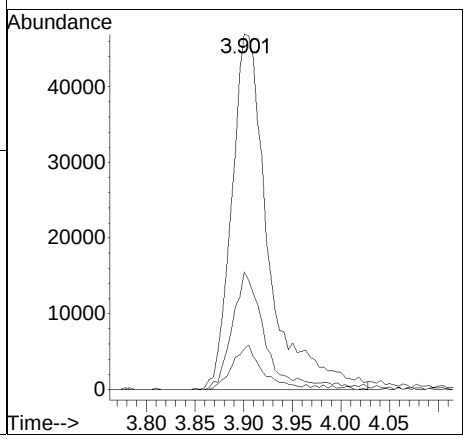


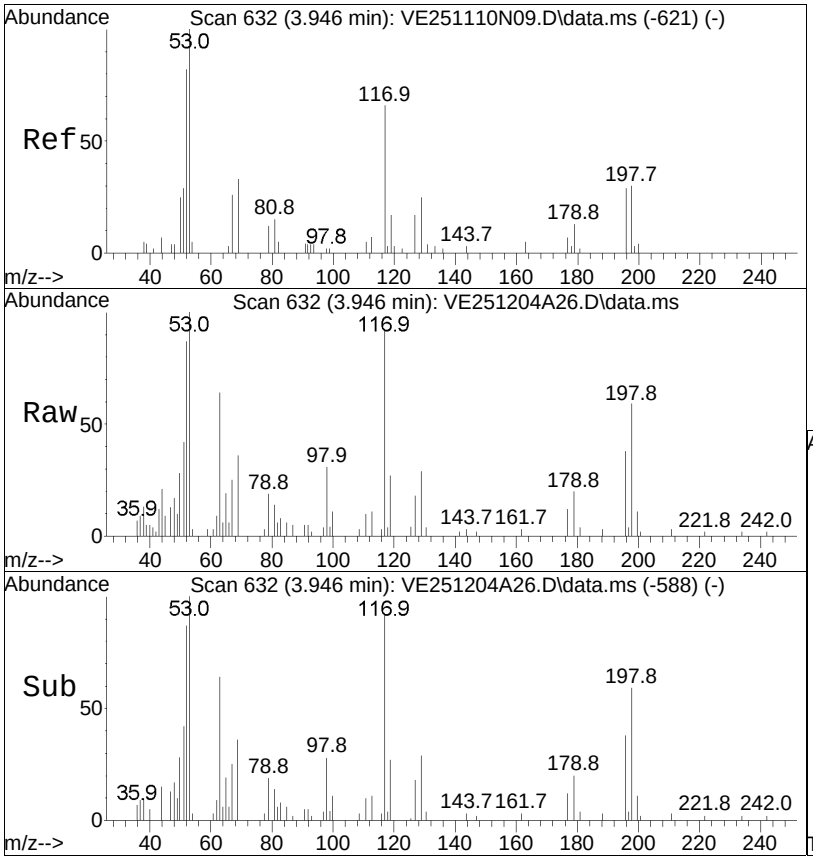


#25
1,1-Dichloroethane
Concen: 10.87 ug/L
RT: 3.901 min Scan# 622
Delta R.T. -0.008 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 63 Resp: 123362

Ion	Ratio	Lower	Upper
63	100		
65	28.4	8.6	48.6
83	10.1	0.0	30.7

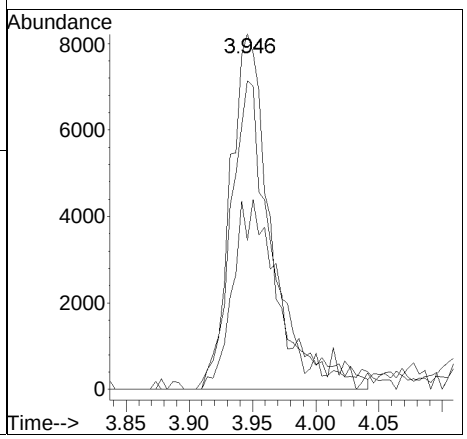


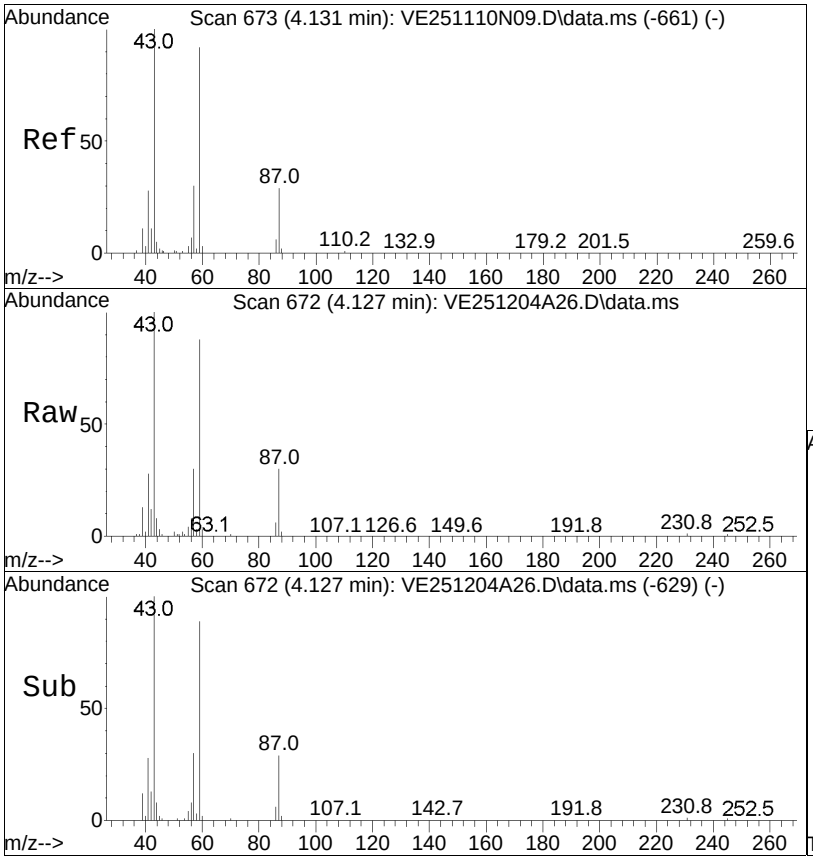


#27
Acrylonitrile
Concen: 9.86 ug/L
RT: 3.946 min Scan# 632
Delta R.T. -0.000 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 53 Resp: 18550

Ion	Ratio	Lower	Upper
53	100		
52	84.1	69.8	104.6
51	57.9	50.4	75.6

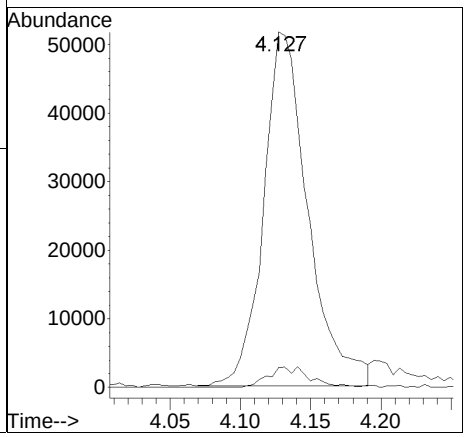


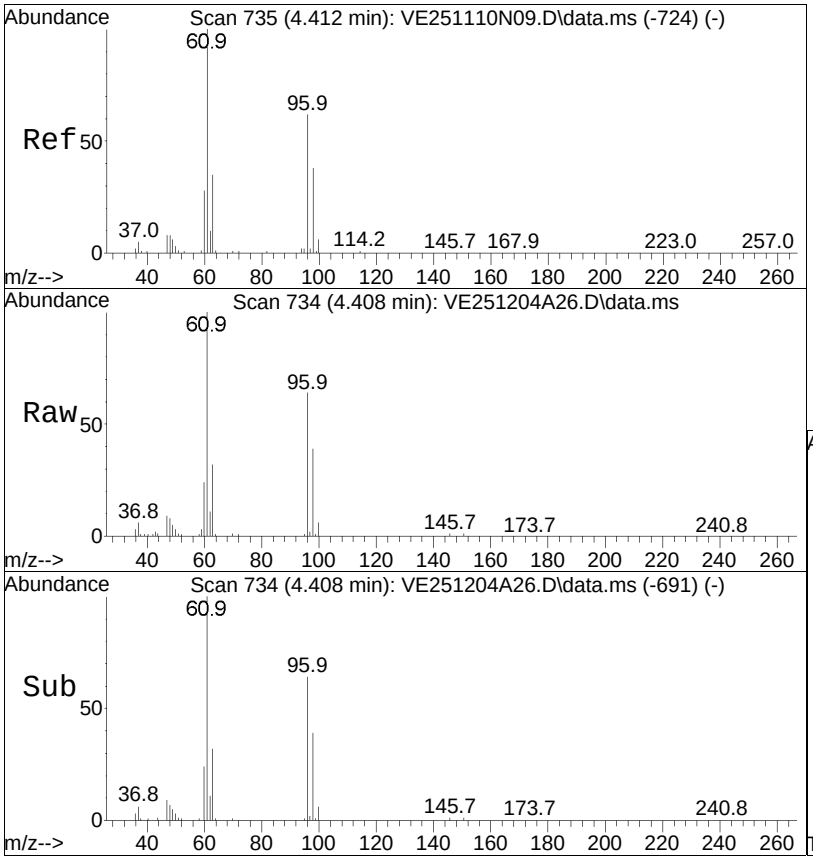


#29
Vinyl acetate
Concen: 8.79 ug/L
RT: 4.127 min Scan# 672
Delta R.T. -0.004 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 43 Resp: 113716

Ion	Ratio	Lower	Upper
43	100		
86	5.5	3.8	5.8

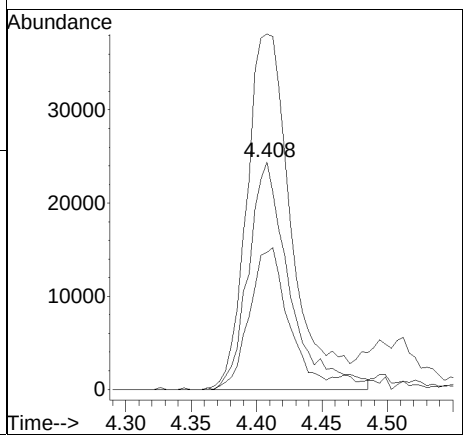


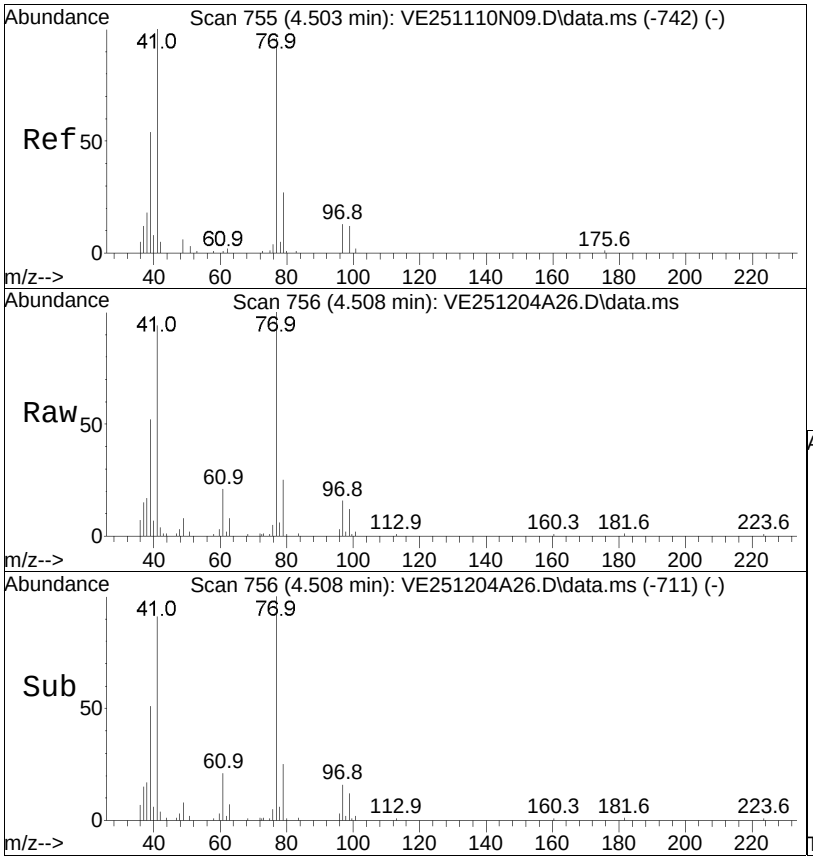


#30
cis-1,2-Dichloroethene
Concen: 10.57 ug/L
RT: 4.408 min Scan# 734
Delta R.T. -0.004 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 96 Resp: 53426

Ion	Ratio	Lower	Upper
96	100		
61	169.3	153.3	229.9
98	59.0	52.8	79.2

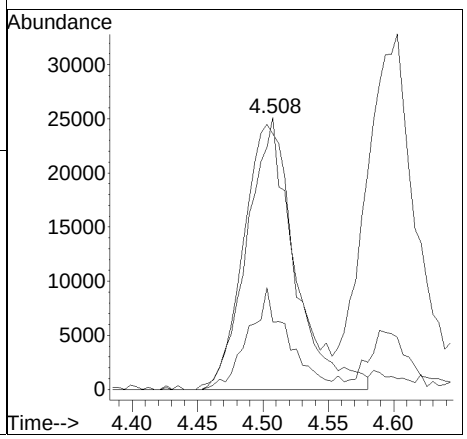


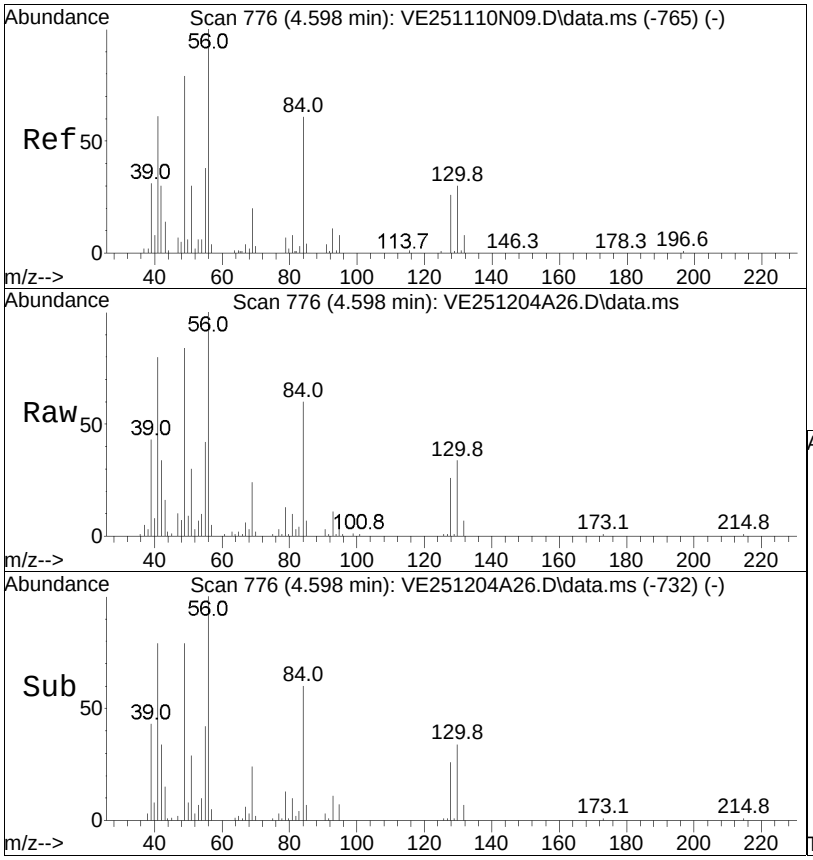


#31
2,2-Dichloropropane
Concen: 8.79 ug/L
RT: 4.508 min Scan# 756
Delta R.T. 0.005 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 77 Resp: 62843

Ion	Ratio	Lower	Upper
77	100		
41	104.6	64.5	134.1
79	31.7	20.8	43.2

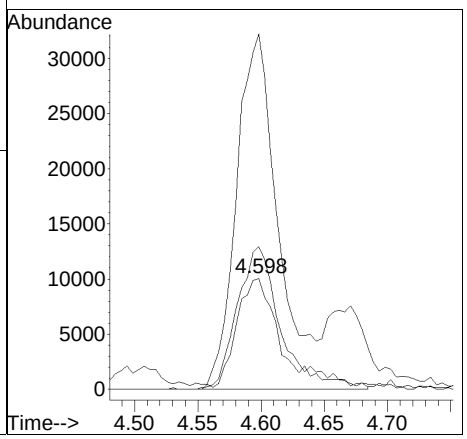


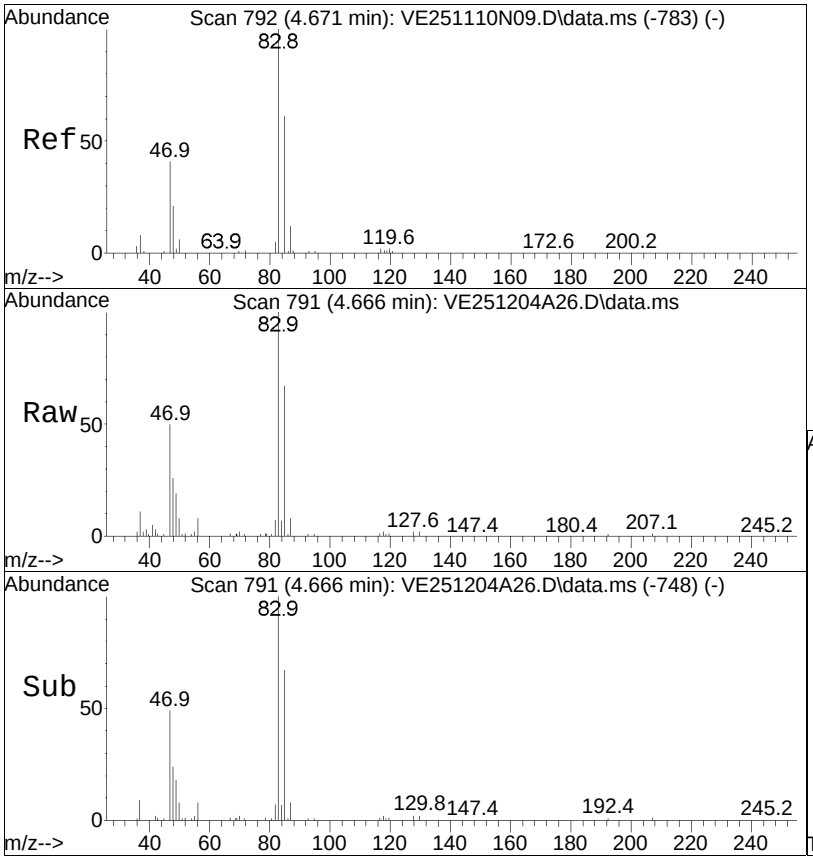


#33
Bromochloromethane
Concen: 11.17 ug/L
RT: 4.598 min Scan# 776
Delta R.T. 0.000 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:128 Resp: 24784

Ion	Ratio	Lower	Upper
128	100		
49	285.0	295.7	443.5#
130	126.9	101.9	152.9

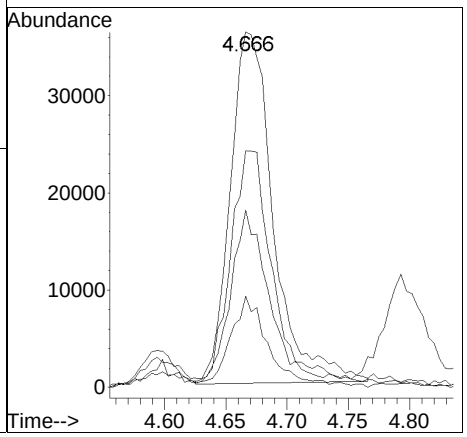


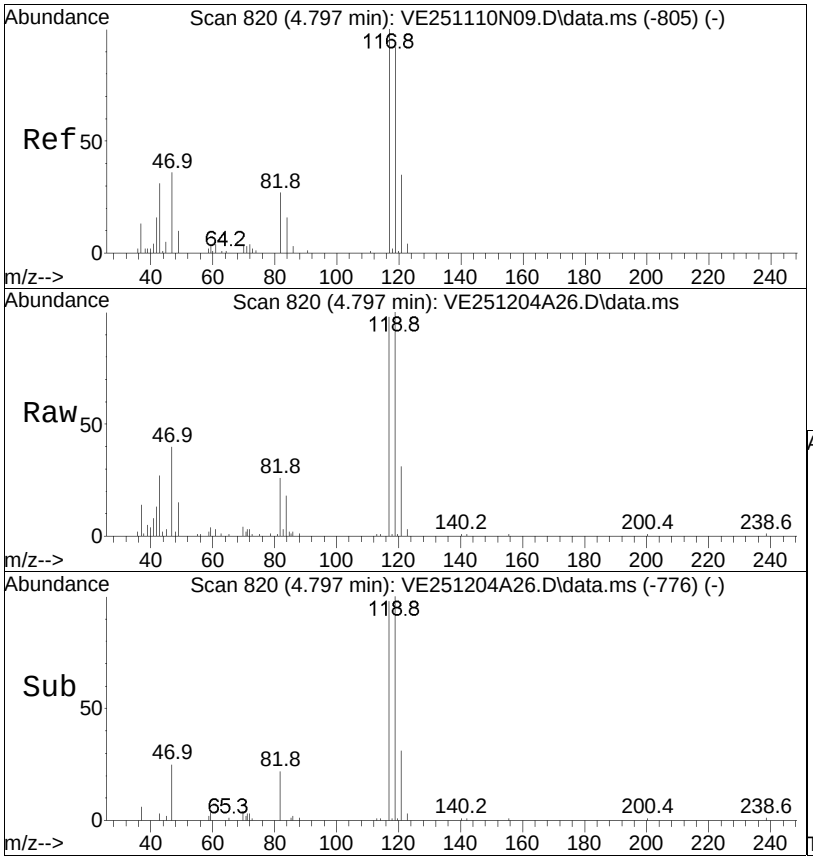


#35
Chloroform
Concen: 9.80 ug/L
RT: 4.666 min Scan# 791
Delta R.T. -0.005 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 83 Resp: 88901

Ion	Ratio	Lower	Upper
83	100		
85	64.8	42.4	88.2
47	41.1	23.7	49.3
48	23.5	14.4	29.8

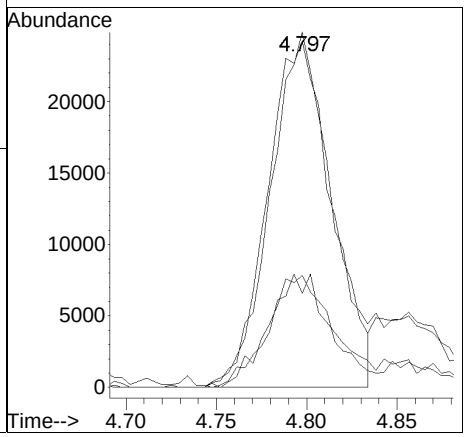


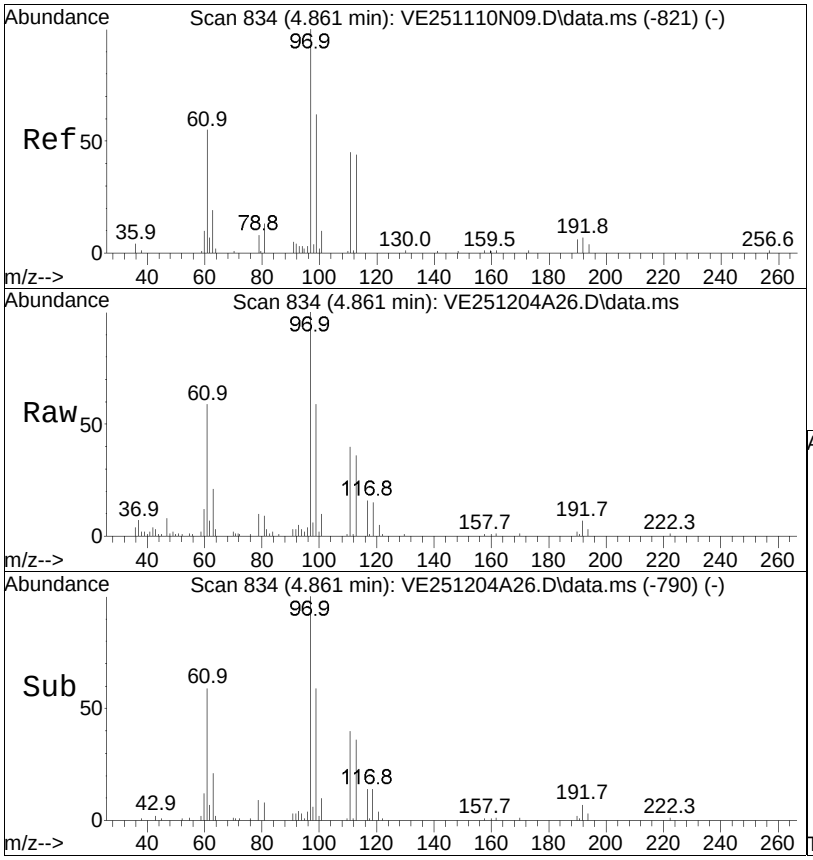


#37
Carbon tetrachloride
Concen: 11.11 ug/L
RT: 4.797 min Scan# 820
Delta R.T. 0.000 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:117 Resp: 60057

Ion	Ratio	Lower	Upper
117	100		
119	101.6	74.8	155.4
121	32.4	23.5	48.7
82	32.6	22.5	46.7

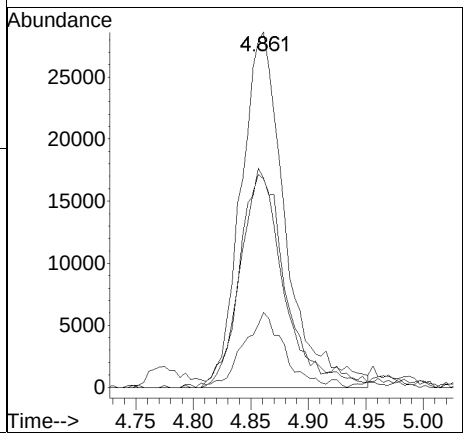


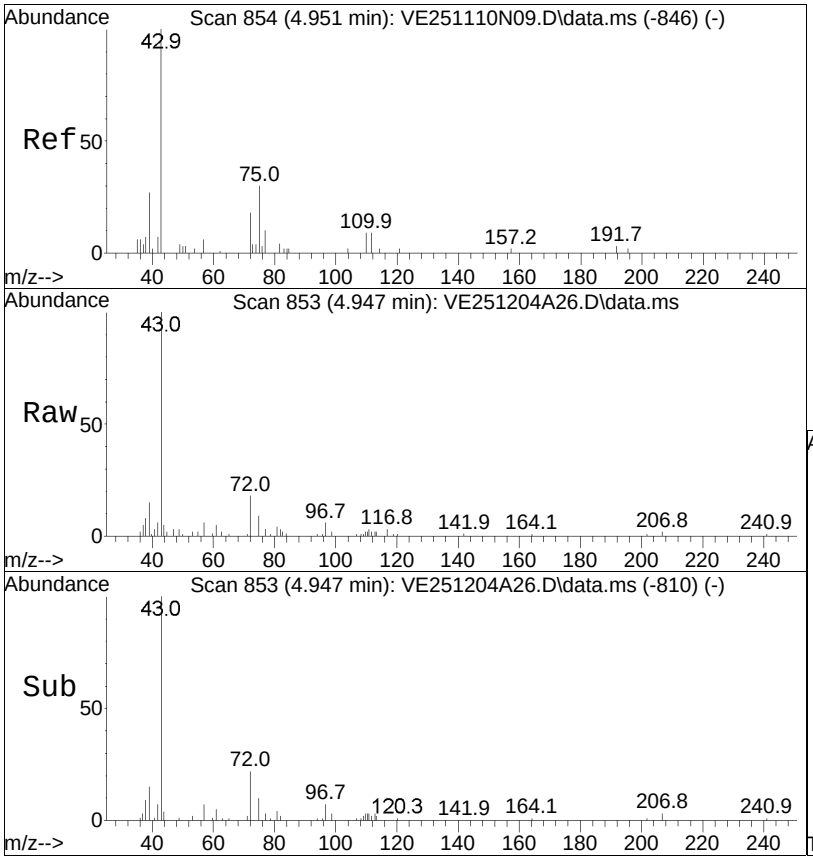


#40
1,1,1-Trichloroethane
Concen: 11.25 ug/L
RT: 4.861 min Scan# 834
Delta R.T. -0.000 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 97 Resp: 76865

Ion	Ratio	Lower	Upper
97	100		
99	60.9	40.7	84.5
61	53.9	40.5	84.1
63	19.4	11.8	24.6

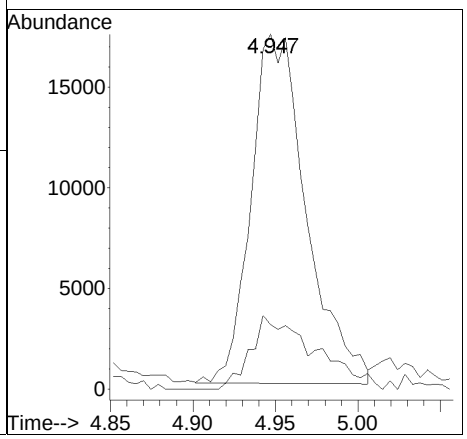


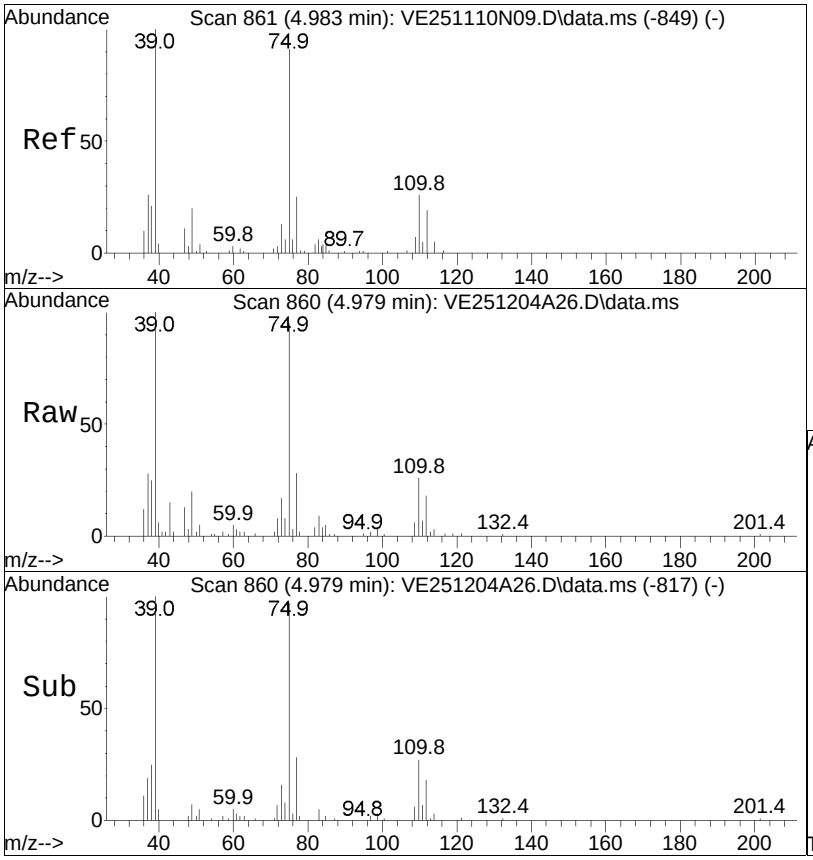


#42
2-Butanone
Concen: 18.56 ug/L
RT: 4.947 min Scan# 853
Delta R.T. -0.004 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 43 Resp: 40402

Ion	Ratio	Lower	Upper
43	100		
72	24.6	22.8	34.2

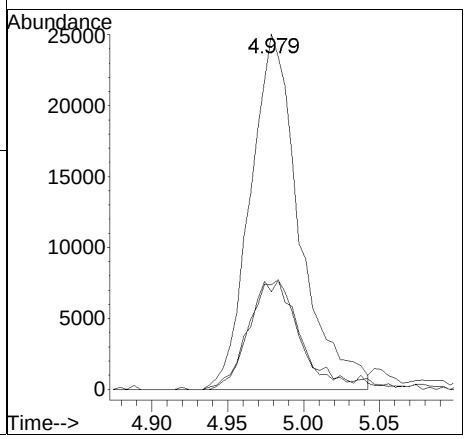


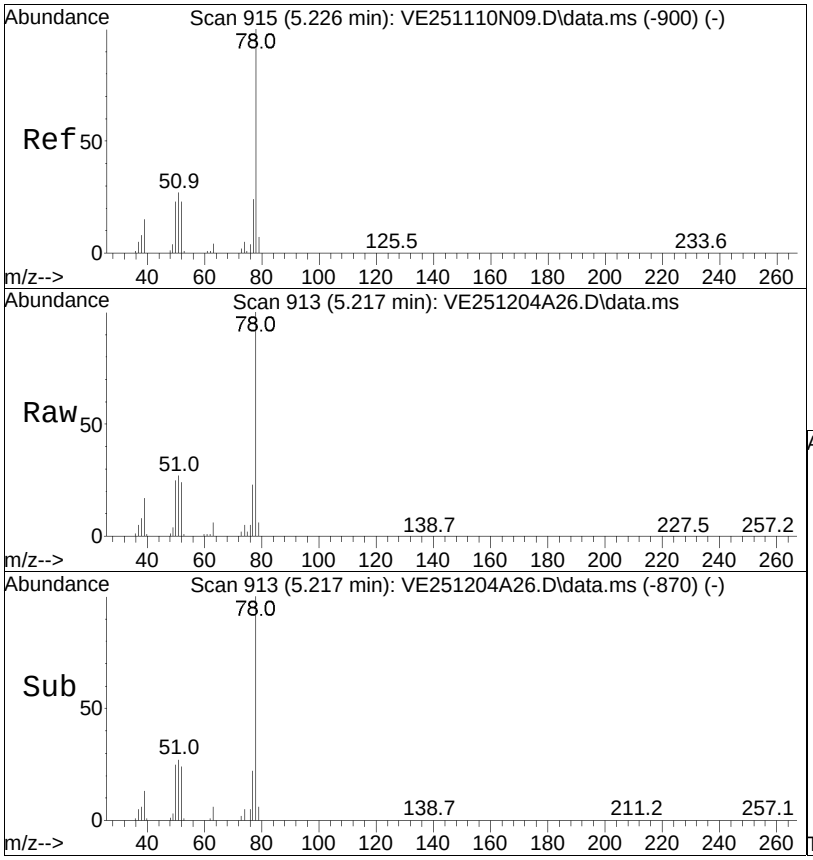


#43
1,1-Dichloropropene
Concen: 9.76 ug/L
RT: 4.979 min Scan# 860
Delta R.T. -0.004 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 75 Resp: 56415

Ion	Ratio	Lower	Upper
75	100		
110	31.9	20.5	42.7
77	31.6	20.0	41.6

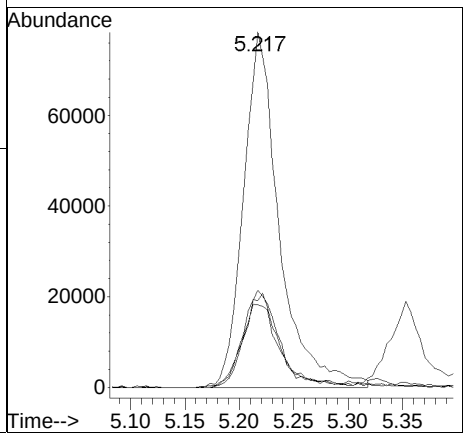


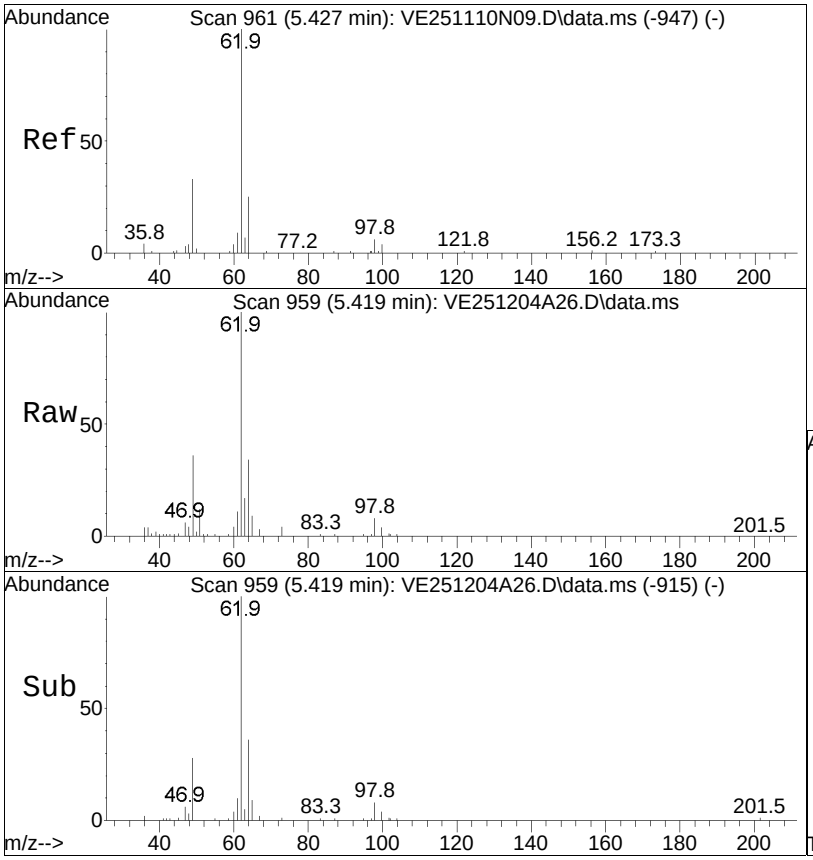


#45
Benzene
Concen: 9.82 ug/L
RT: 5.217 min Scan# 913
Delta R.T. -0.009 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 78 Resp: 180131

Ion	Ratio	Lower	Upper
78	100		
77	24.0	15.7	32.7
51	27.6	17.1	35.5
52	26.4	16.2	33.6

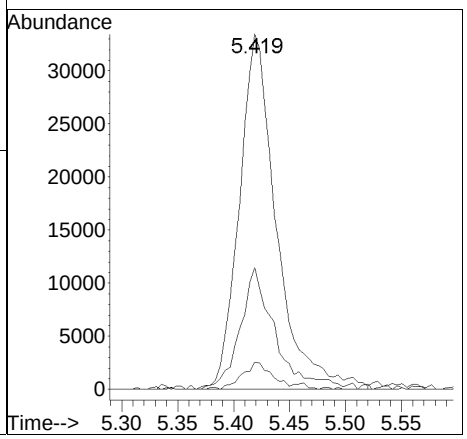


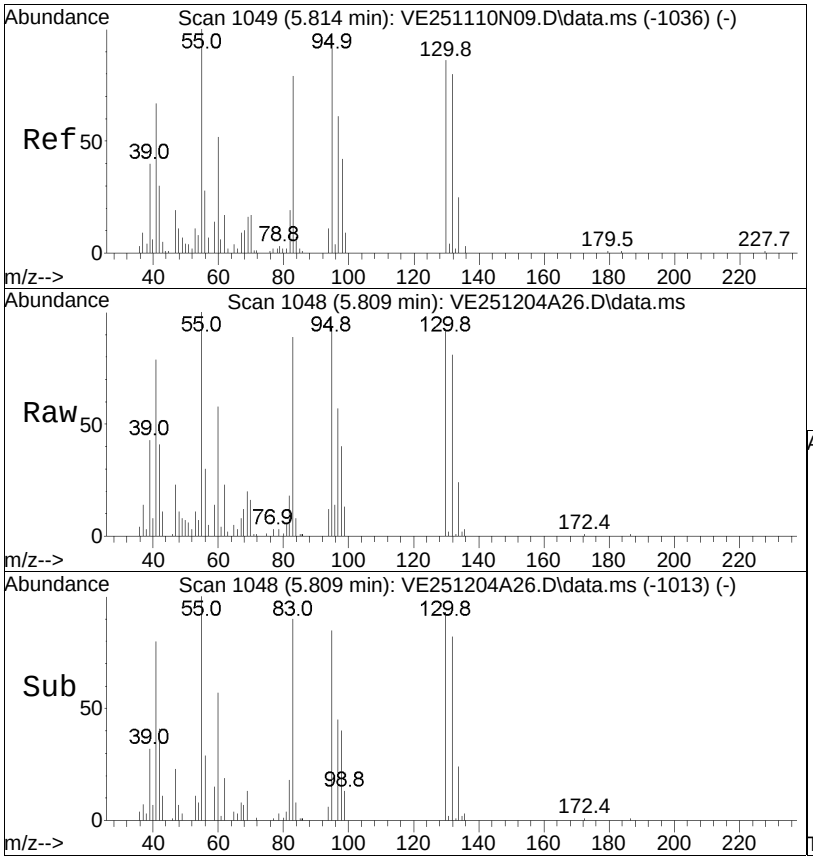


#48
1,2-Dichloroethane
Concen: 10.21 ug/L
RT: 5.419 min Scan# 959
Delta R.T. -0.008 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 62 Resp: 77452

Ion	Ratio	Lower	Upper
62	100		
64	32.3	10.9	50.9
98	6.3	0.0	27.2

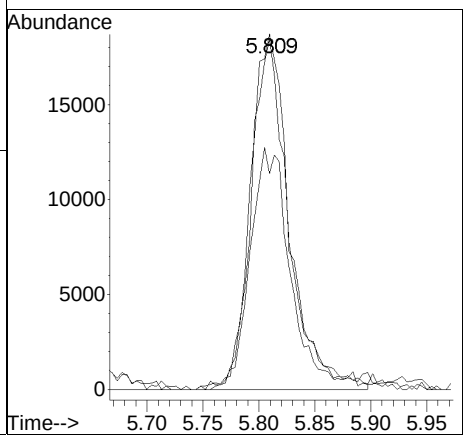


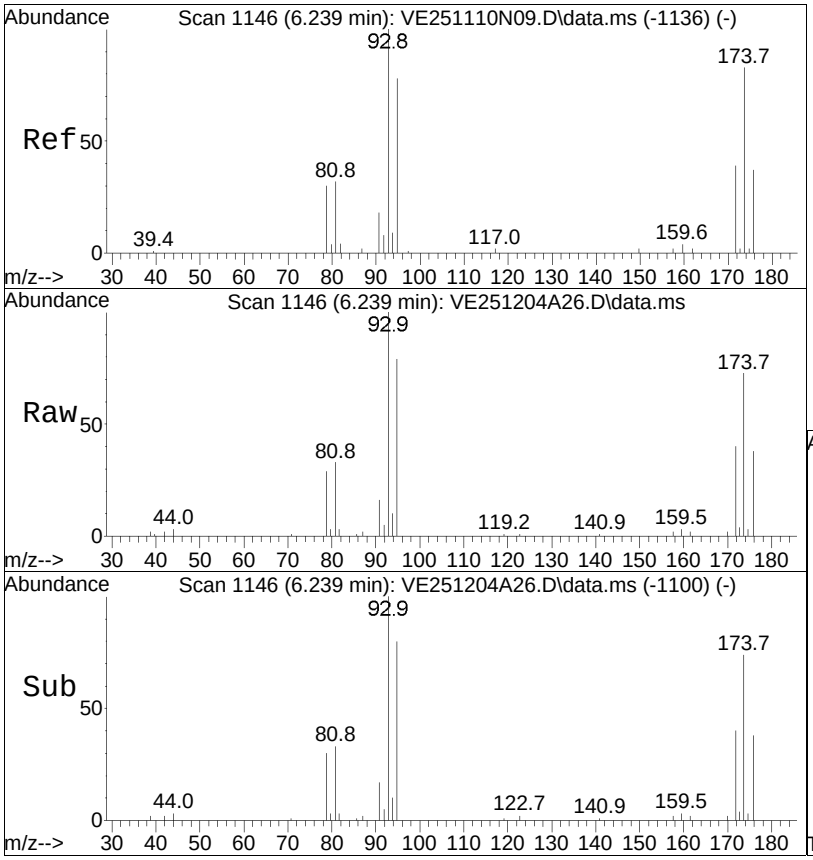


#52
Trichloroethene
Concen: 10.38 ug/L
RT: 5.809 min Scan# 1048
Delta R.T. -0.005 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 95 Resp: 45944

Ion	Ratio	Lower	Upper
95	100		
97	69.0	54.4	81.6
130	92.7	73.7	110.5

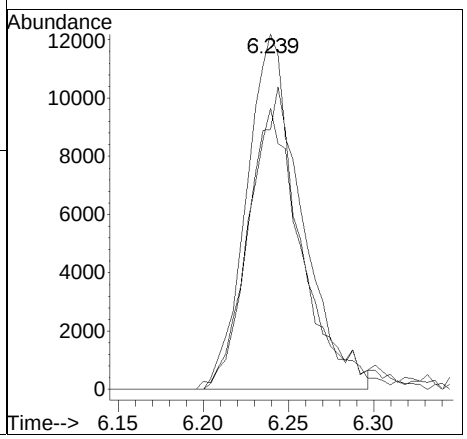


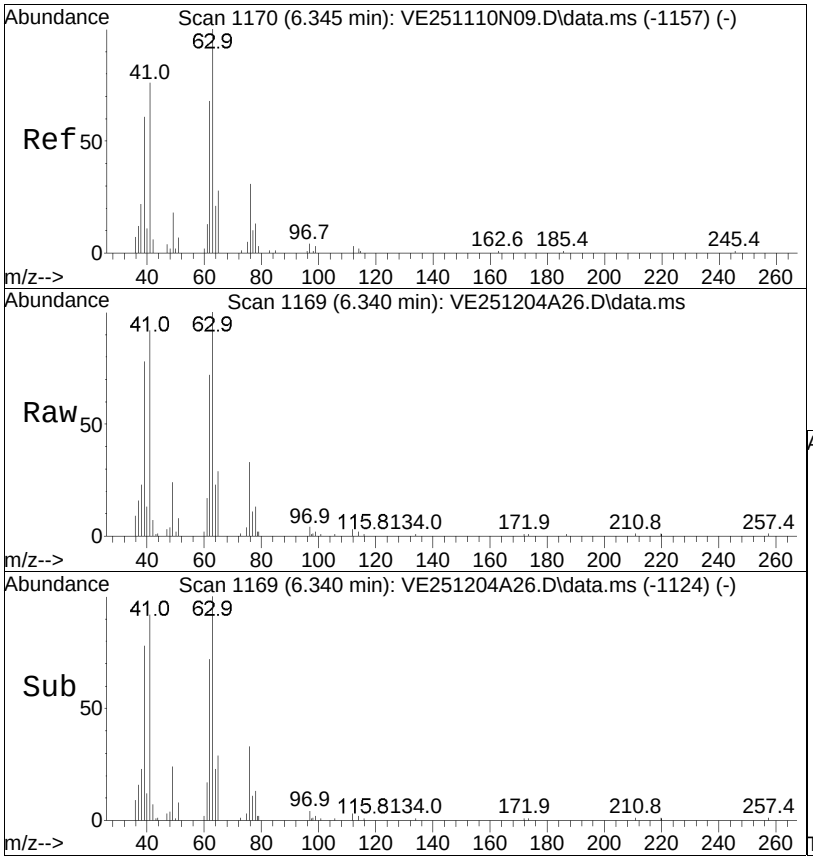


#54
Dibromomethane
Concen: 10.00 ug/L
RT: 6.239 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 93 Resp: 27261

Ion	Ratio	Lower	Upper
93	100		
95	82.0	67.4	101.0
174	81.3	64.7	97.1

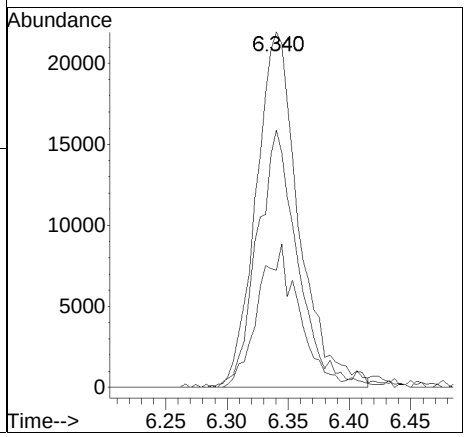


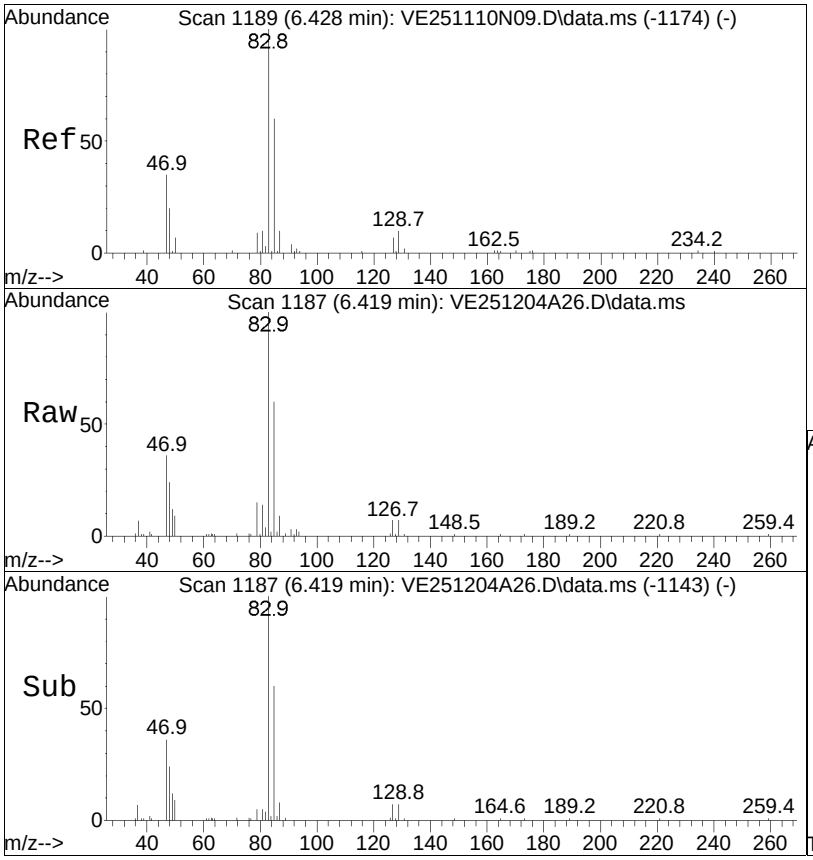


#55
1,2-Dichloropropane
Concen: 9.21 ug/L
RT: 6.340 min Scan# 1169
Delta R.T. -0.005 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 63 Resp: 53560

Ion	Ratio	Lower	Upper
63	100		
62	67.9	57.2	85.8
76	38.4	28.4	42.6

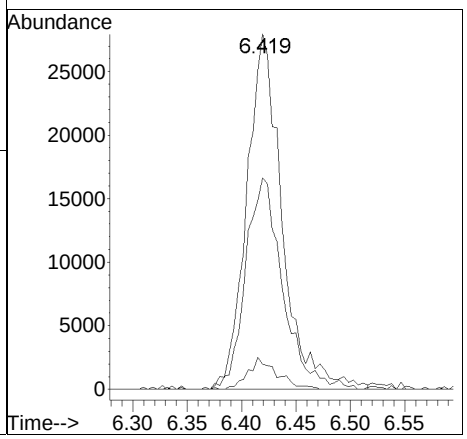


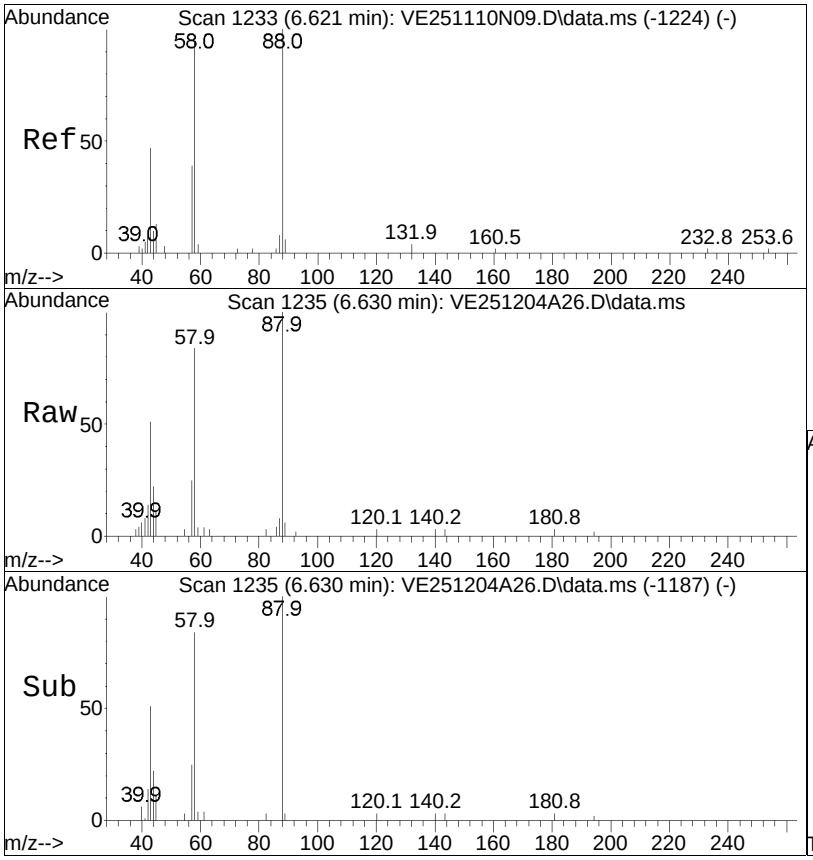


#58
Bromodichloromethane
Concen: 10.08 ug/L
RT: 6.419 min Scan# 1187
Delta R.T. -0.009 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 83 Resp: 63468

Ion	Ratio	Lower	Upper
83	100		
85	61.7	53.9	80.9
127	7.4	6.2	9.4

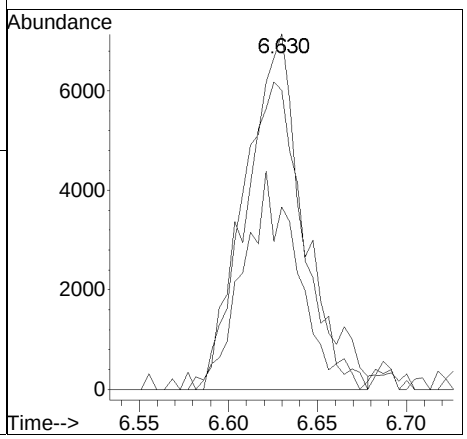


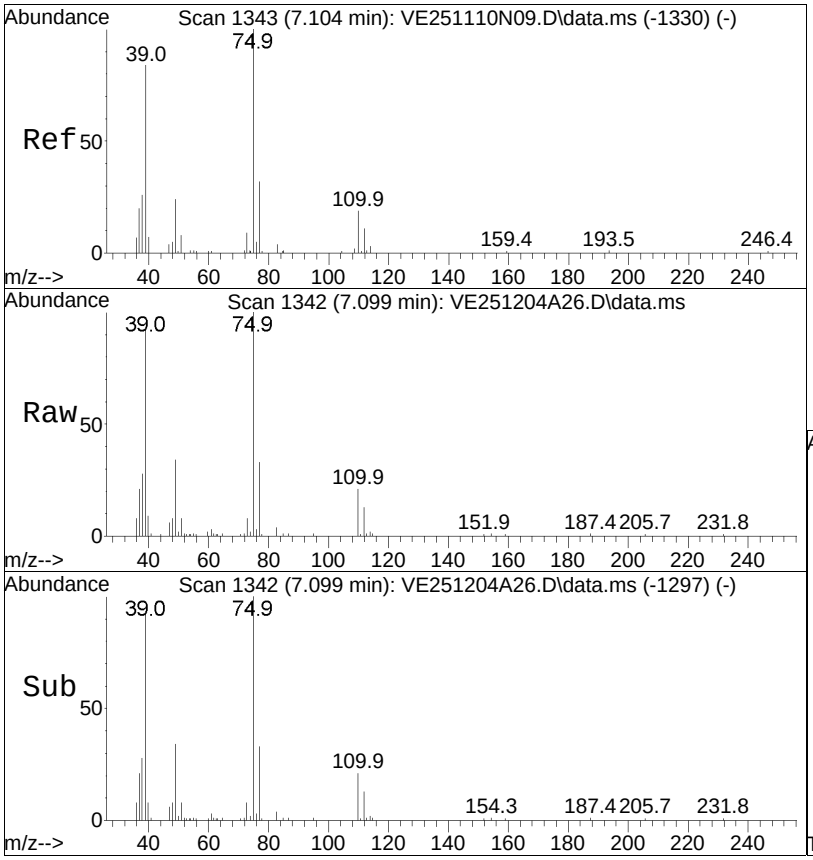


#61
1,4-Dioxane
Concen: 468.78 ug/L
RT: 6.630 min Scan# 1235
Delta R.T. 0.009 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 88 Resp: 16490

Ion	Ratio	Lower	Upper
88	100		
58	89.5	76.1	114.1
43	56.6	41.8	62.8

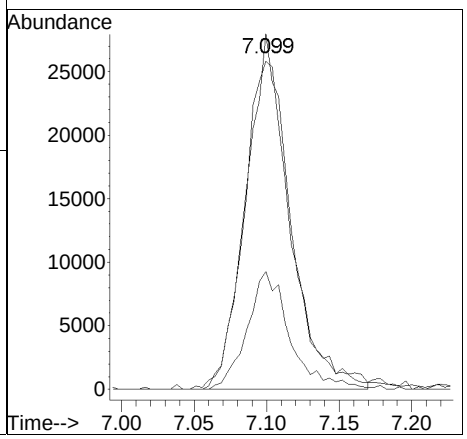


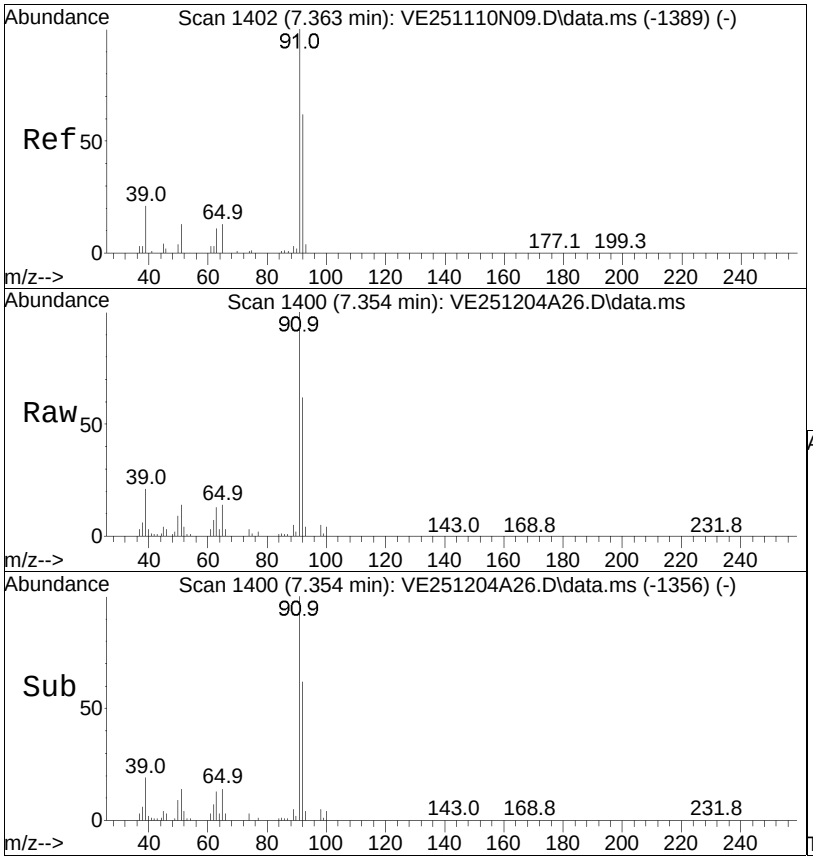


#62
cis-1,3-Dichloropropene
Concen: 8.57 ug/L
RT: 7.099 min Scan# 1342
Delta R.T. -0.005 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 75 Resp: 59339

Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.0	39.0
39	100.0	74.6	112.0

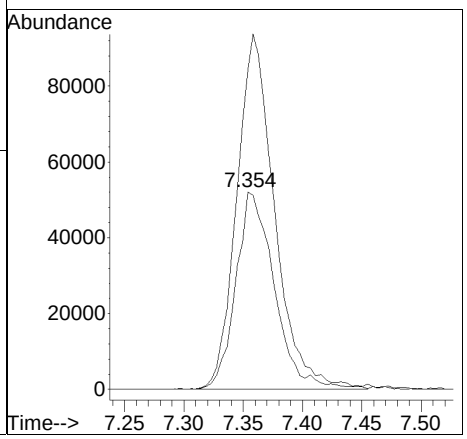


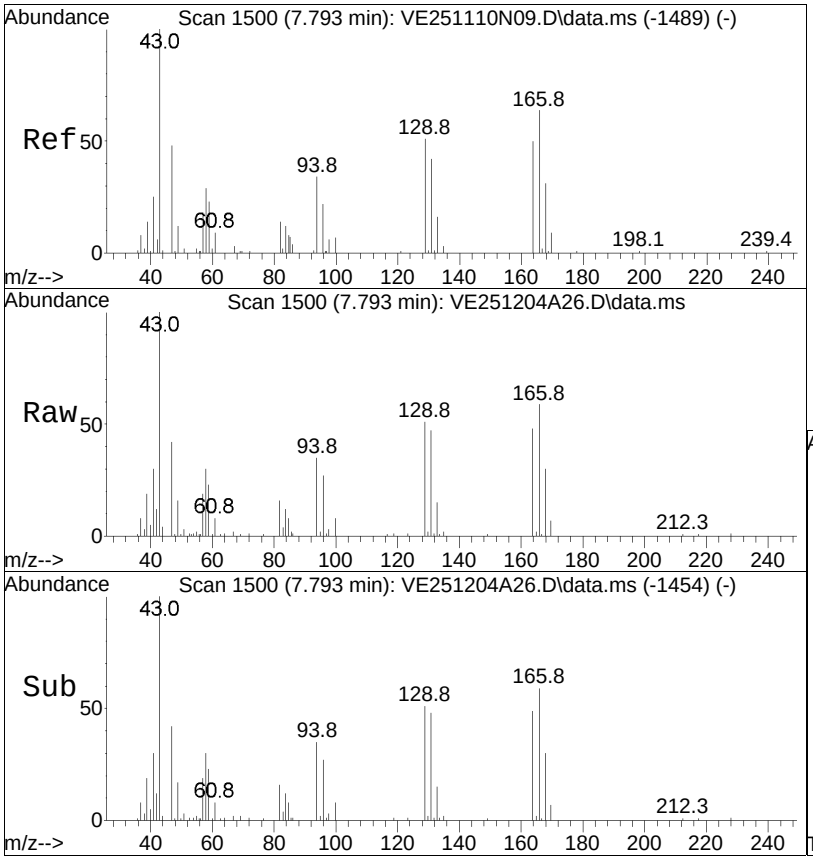


#65
Toluene
Concen: 9.72 ug/L
RT: 7.354 min Scan# 1400
Delta R.T. -0.009 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 92 Resp: 117934

Ion	Ratio	Lower	Upper
92	100		
91	176.7	136.4	204.6

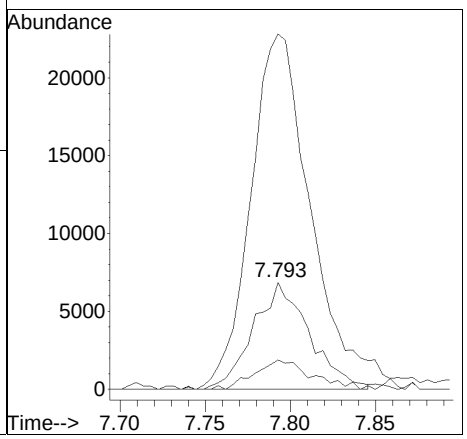


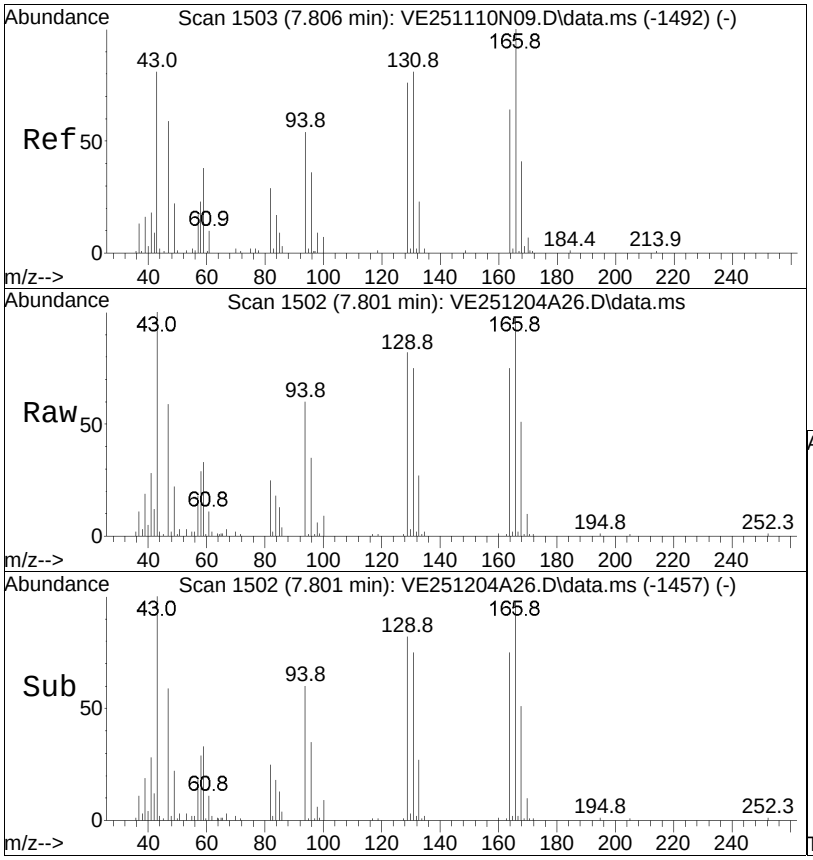


#66
4-Methyl-2-pentanone
Concen: 10.00 ug/L
RT: 7.793 min Scan# 1500
Delta R.T. -0.000 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 58 Resp: 15696

Ion	Ratio	Lower	Upper
58	100		
100	28.4	23.0	34.6
43	364.7	270.1	405.1

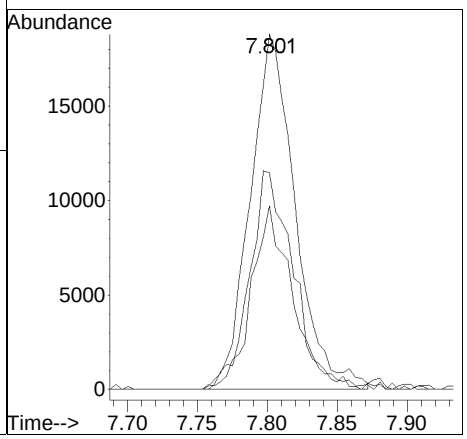


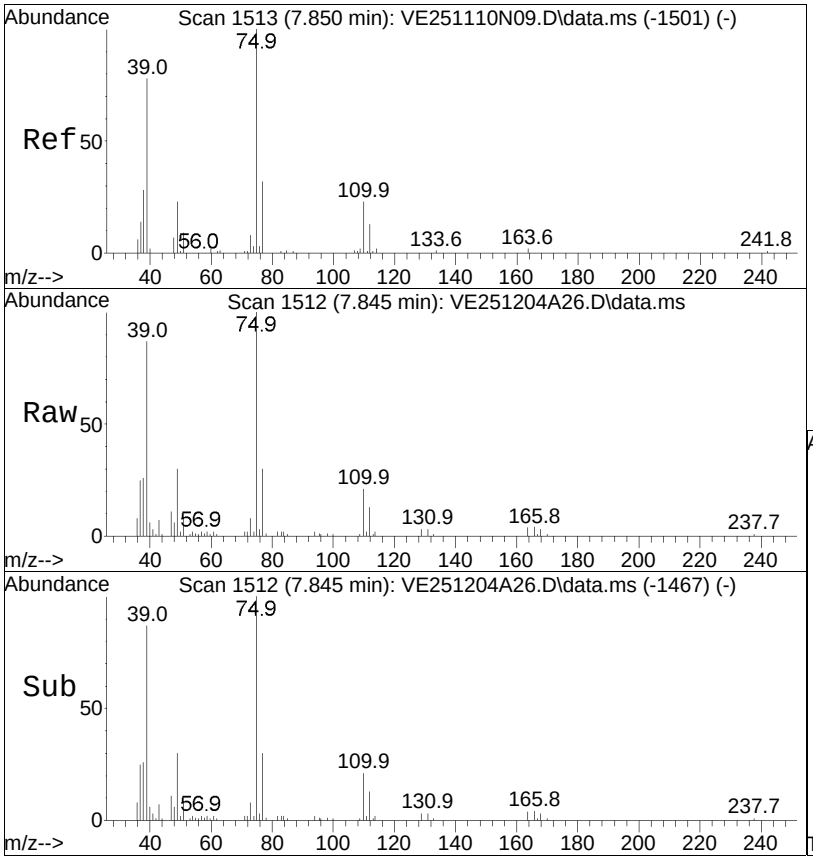


#67
Tetrachloroethene
Concen: 9.79 ug/L
RT: 7.801 min Scan# 1502
Delta R.T. -0.005 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:166 Resp: 42307

Ion	Ratio	Lower	Upper
166	100		
168	47.6	27.8	67.8
94	59.1	38.7	78.7

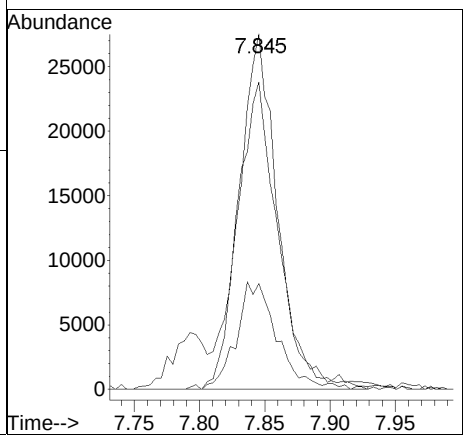


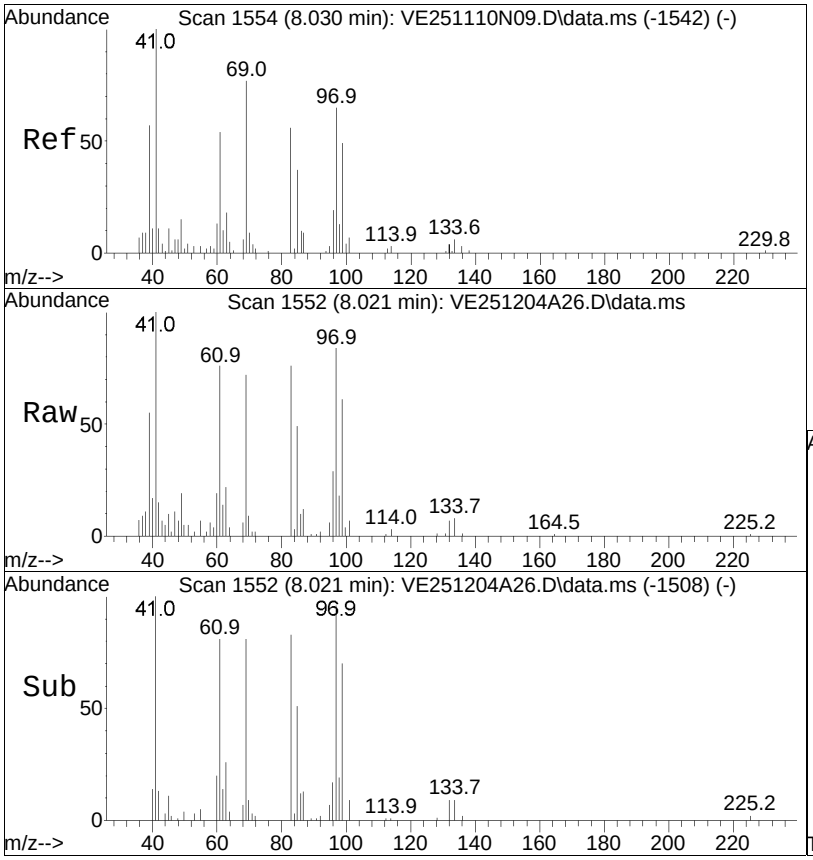


#69
trans-1,3-Dichloropropene
Concen: 7.77 ug/L
RT: 7.845 min Scan# 1512
Delta R.T. -0.005 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 75 Resp: 56245

Ion	Ratio	Lower	Upper
75	100		
77	32.2	10.9	50.9
39	88.9	68.1	108.1

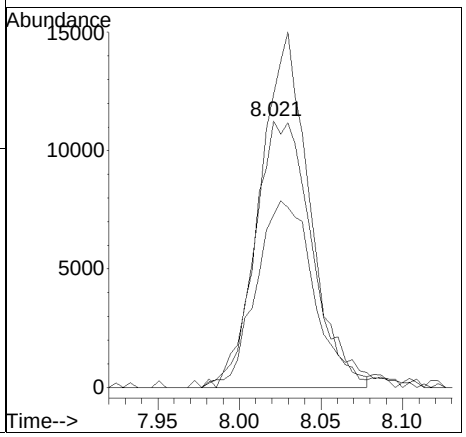


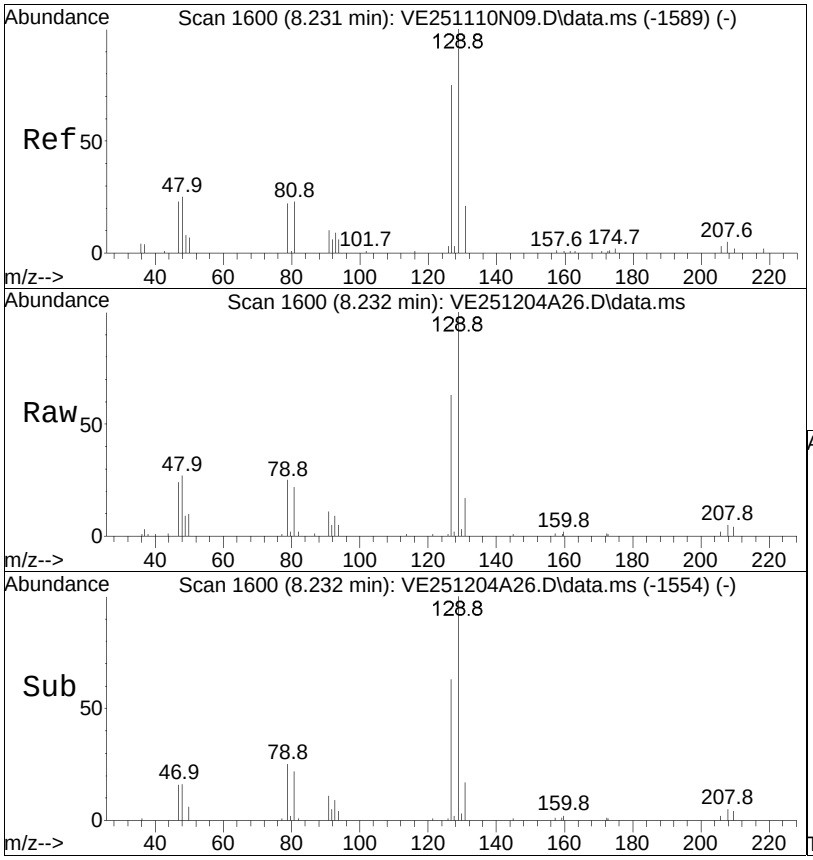


#72
1,1,2-Trichloroethane
Concen: 8.62 ug/L
RT: 8.021 min Scan# 1552
Delta R.T. -0.009 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 83 Resp: 27181

Ion	Ratio	Lower	Upper
83	100		
97	117.2	93.5	133.5
85	71.3	45.2	85.2

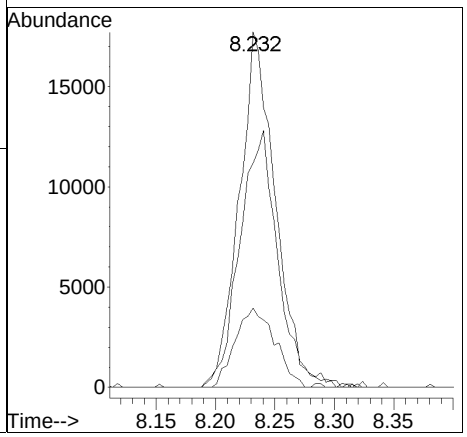


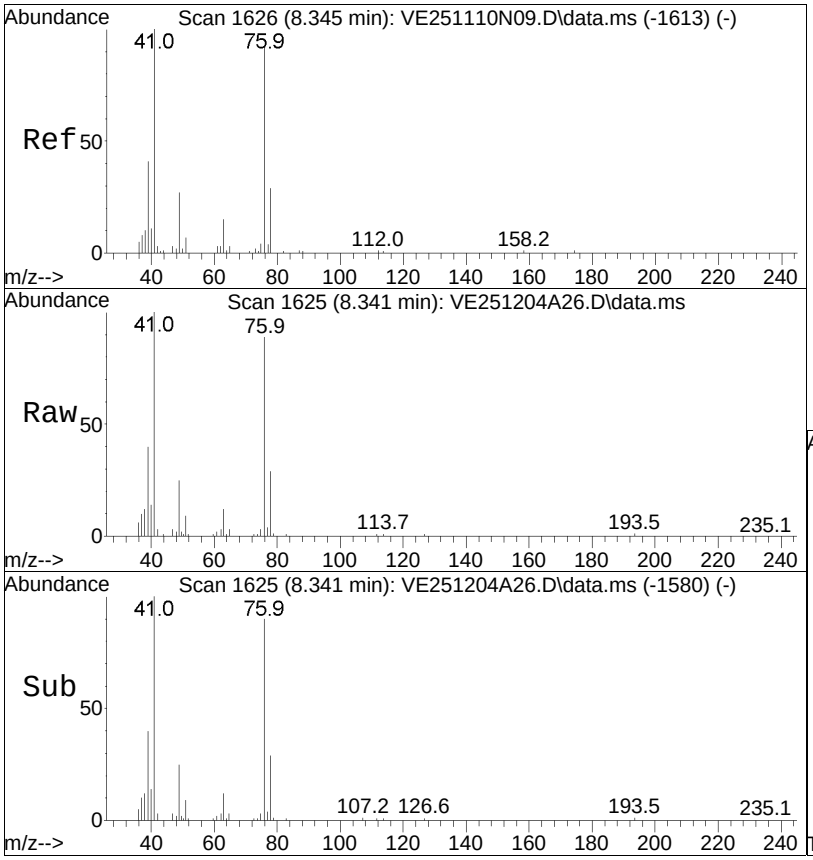


#73
Chlorodibromomethane
Concen: 8.90 ug/L
RT: 8.232 min Scan# 1600
Delta R.T. 0.001 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:129 Resp: 37765

Ion	Ratio	Lower	Upper
129	100		
81	24.4	4.8	44.8
127	76.3	56.3	96.3

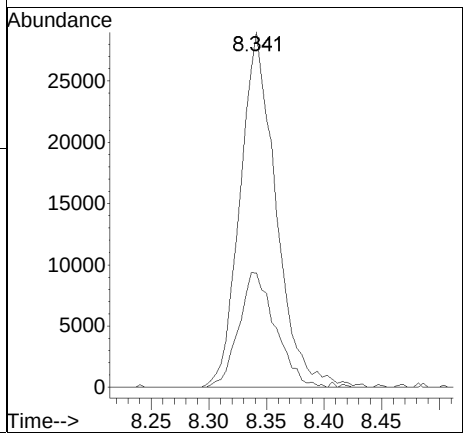


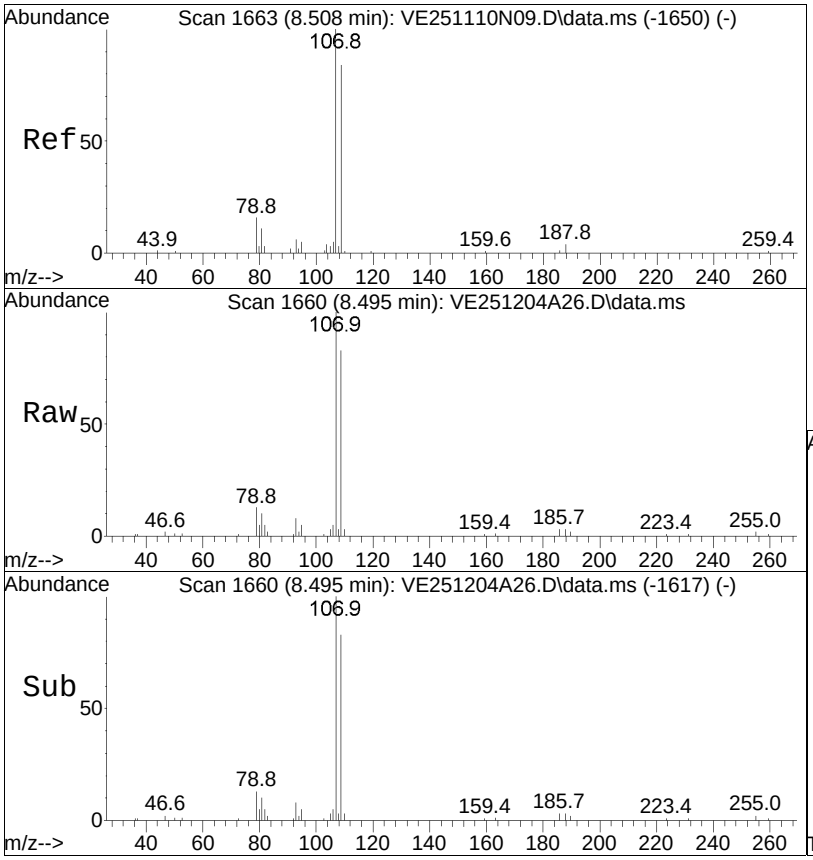


#74
1,3-Dichloropropane
Concen: 9.00 ug/L
RT: 8.341 min Scan# 1625
Delta R.T. -0.004 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 76 Resp: 63028

Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.2	39.4

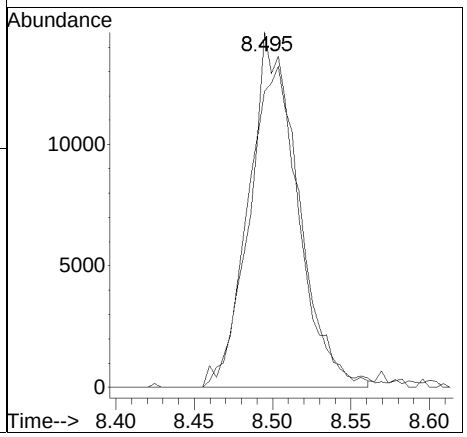


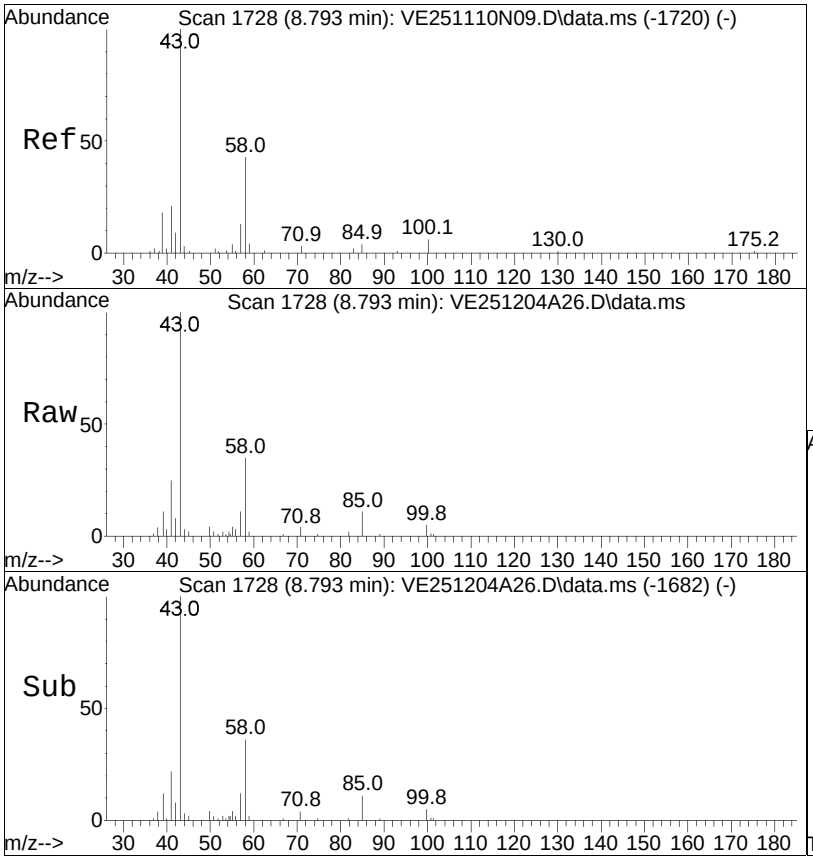


#75
1,2-Dibromoethane
Concen: 8.49 ug/L
RT: 8.495 min Scan# 1660
Delta R.T. -0.013 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:107 Resp: 31759

Ion	Ratio	Lower	Upper
107	100		
109	94.9	73.0	109.6

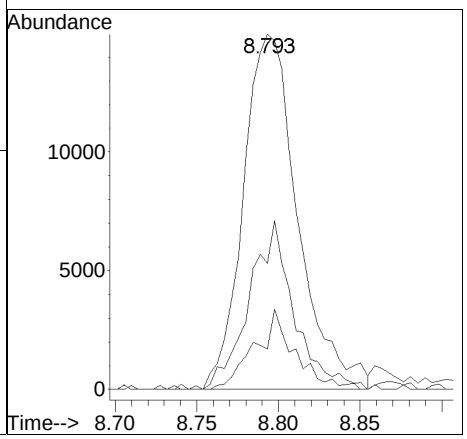


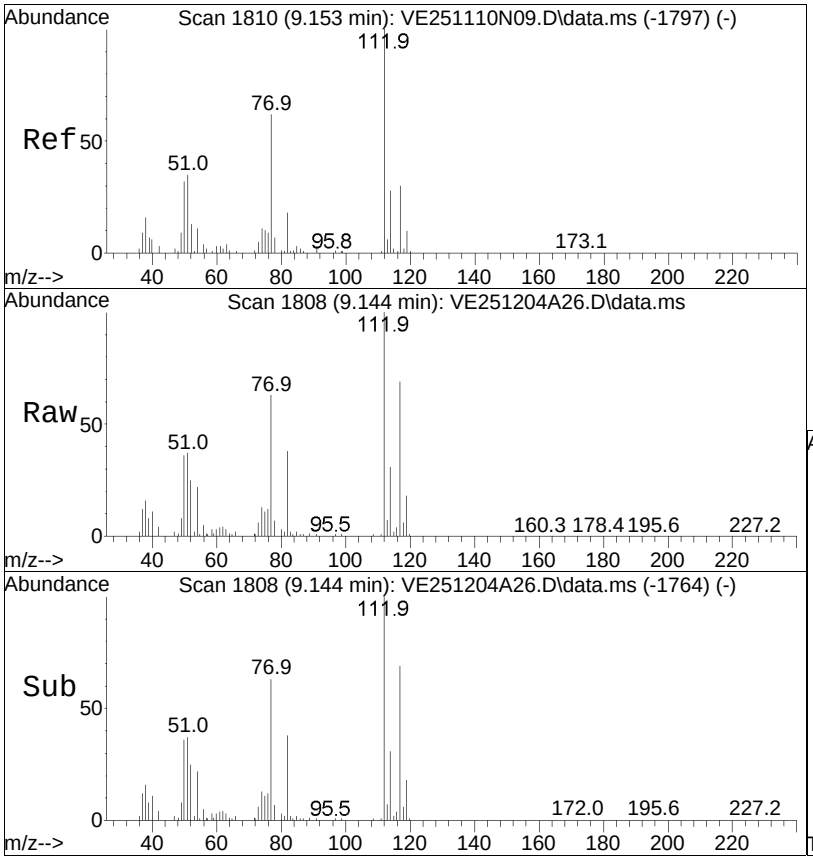


#77
2-Hexanone
Concen: 9.27 ug/L
RT: 8.793 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 43 Resp: 34845

Ion	Ratio	Lower	Upper
43	100		
58	38.8	34.3	51.5
57	16.3	12.5	18.7

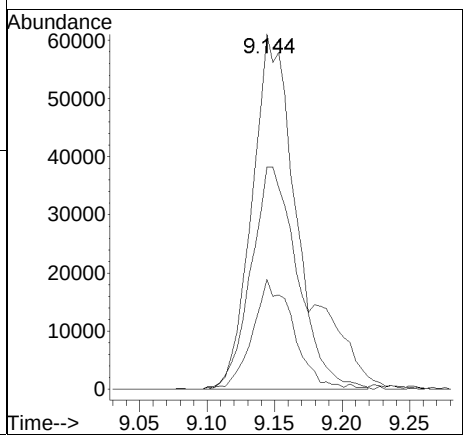


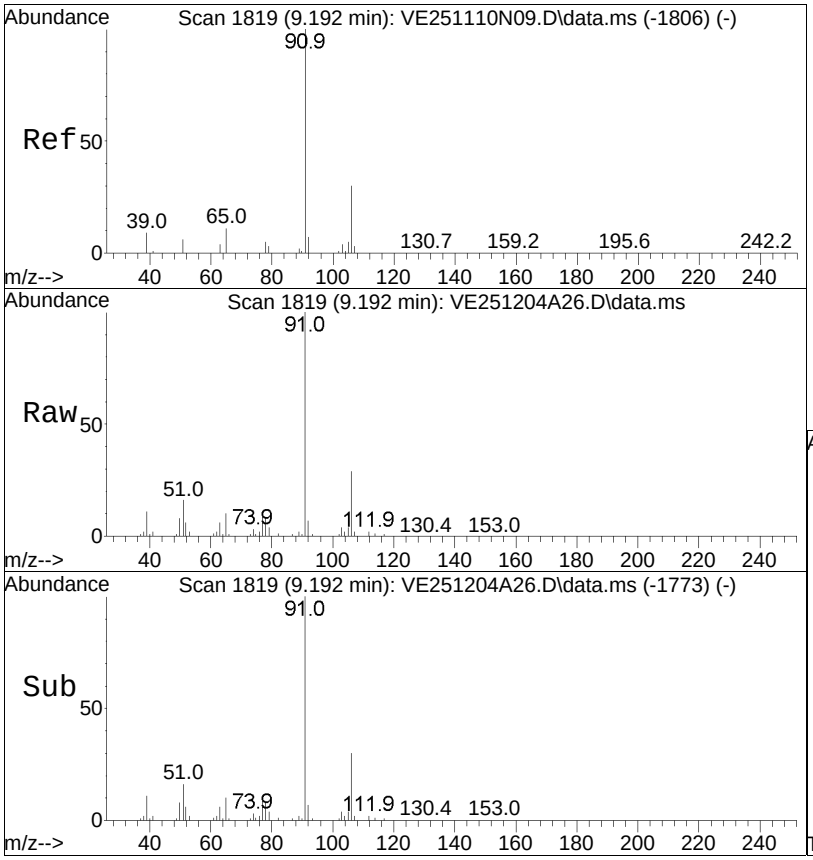


#78
Chlorobenzene
Concen: 9.87 ug/L
RT: 9.144 min Scan# 1808
Delta R.T. -0.009 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:112 Resp: 133957

Ion	Ratio	Lower	Upper
112	100		
77	82.5	67.3	100.9
114	29.6	25.6	38.4

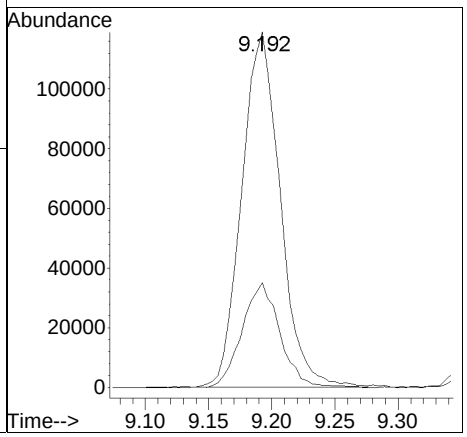


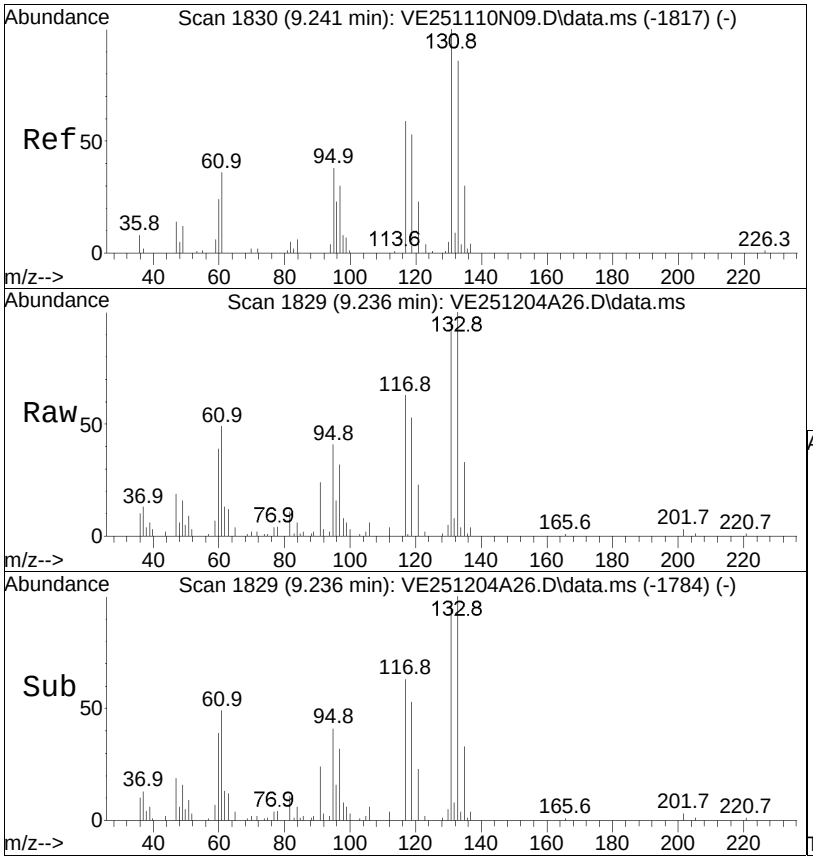


#79
Ethylbenzene
Concen: 9.92 ug/L
RT: 9.192 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 91 Resp: 251522

Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.4	35.0

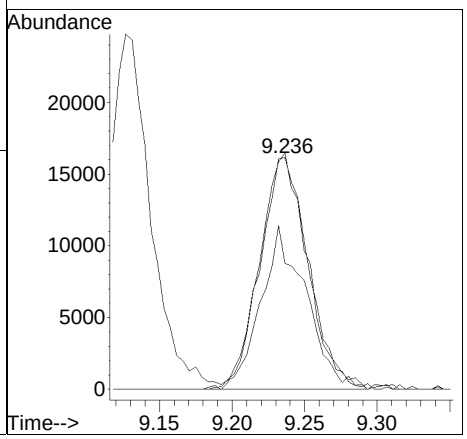


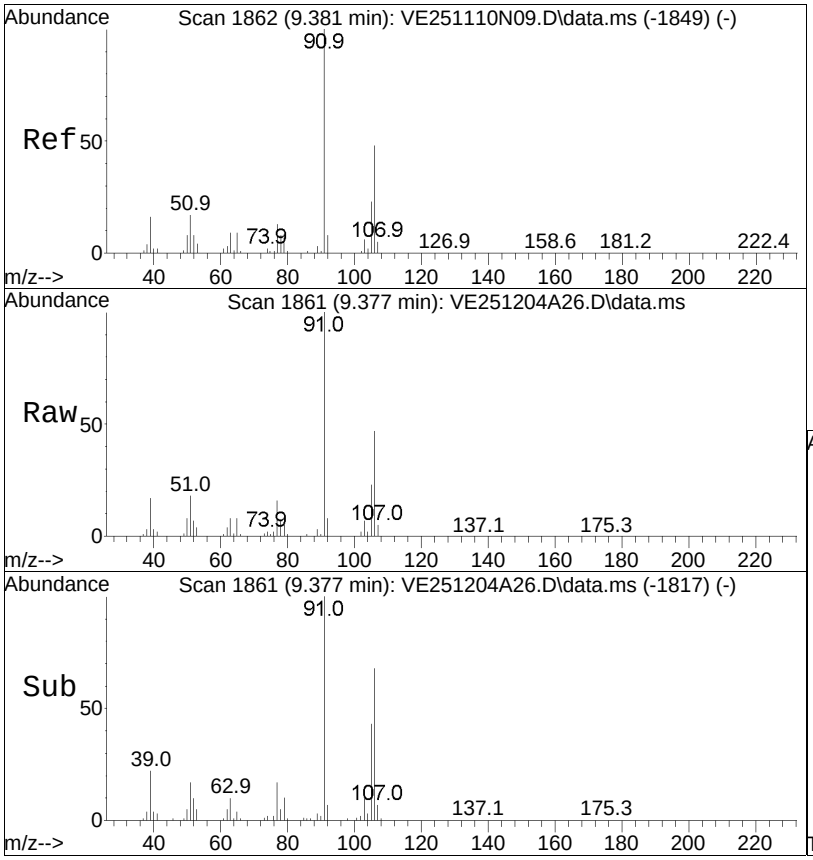


#80
1,1,1,2-Tetrachloroethane
Concen: 9.13 ug/L
RT: 9.236 min Scan# 1829
Delta R.T. -0.005 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:131 Resp: 37563

Ion	Ratio	Lower	Upper
131	100		
133	100.2	72.9	112.9
119	65.7	43.8	83.8

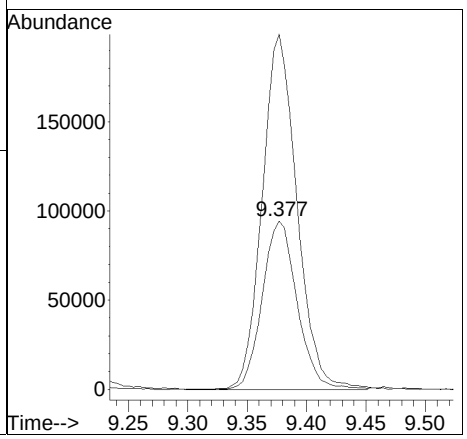


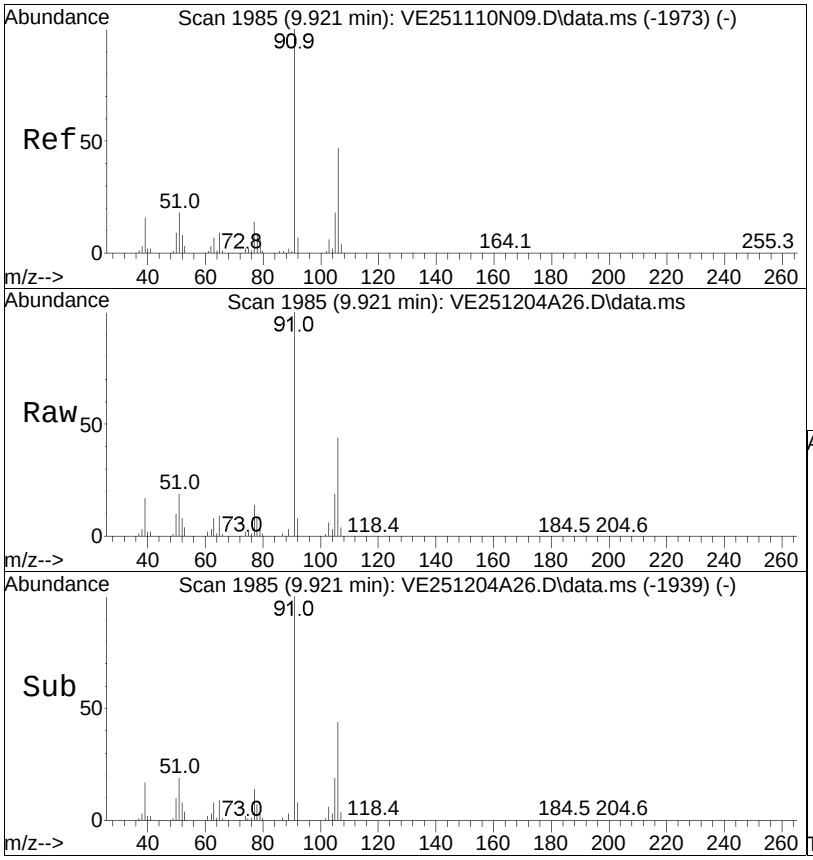


#81
p/m Xylene
Concen: 19.49 ug/L
RT: 9.377 min Scan# 1861
Delta R.T. -0.004 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:106 Resp: 192955

Ion	Ratio	Lower	Upper
106	100		
91	209.2	165.2	247.8

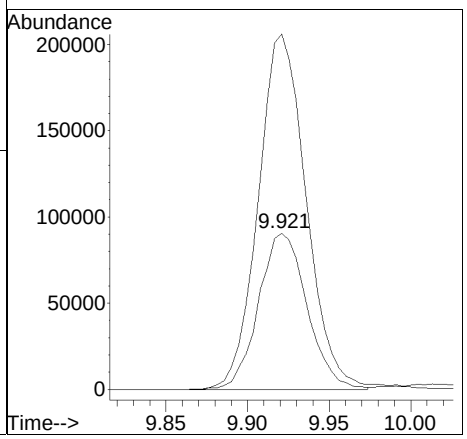


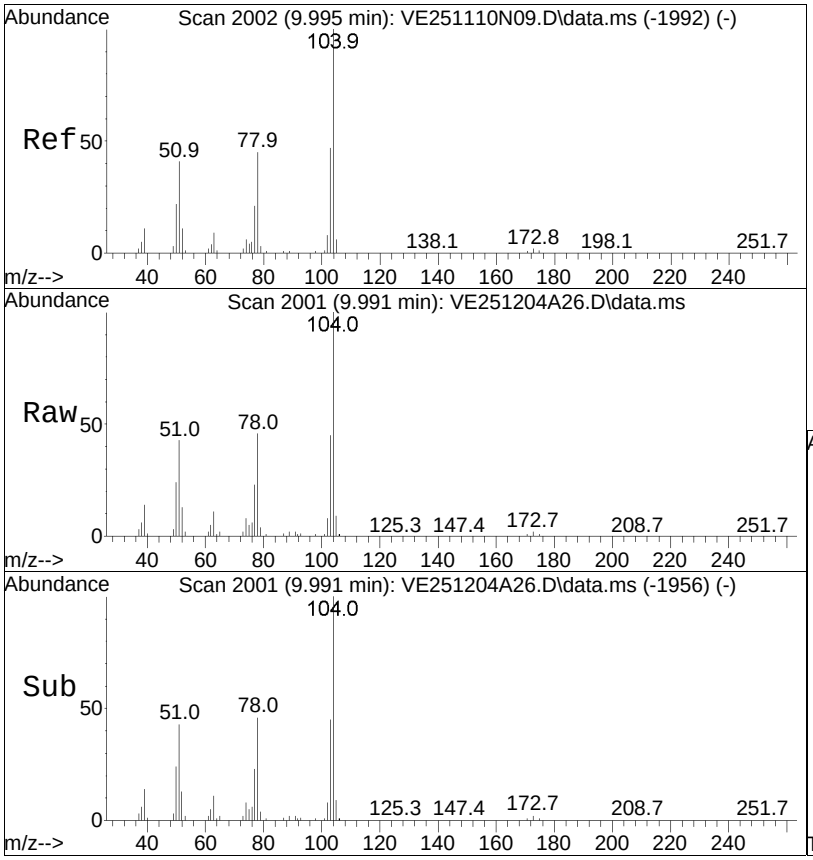


#82
o Xylene
Concen: 19.03 ug/L
RT: 9.921 min Scan# 1985
Delta R.T. -0.000 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:106 Resp: 186751

Ion	Ratio	Lower	Upper
106	100		
91	226.5	181.8	272.8

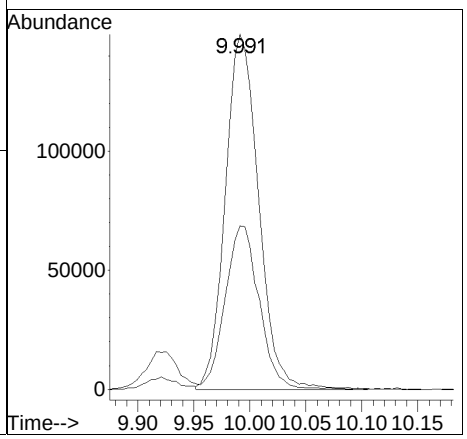


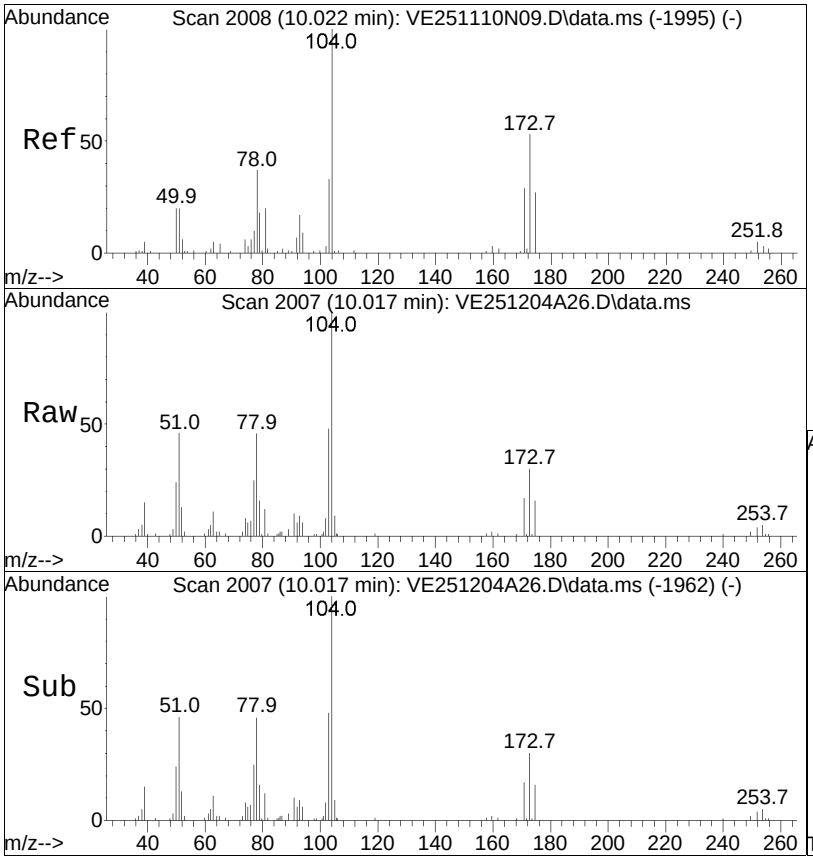


#83
Styrene
Concen: 18.07 ug/L
RT: 9.991 min Scan# 2001
Delta R.T. -0.004 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:104 Resp: 309575

Ion	Ratio	Lower	Upper
104	100		
78	46.2	37.1	55.7

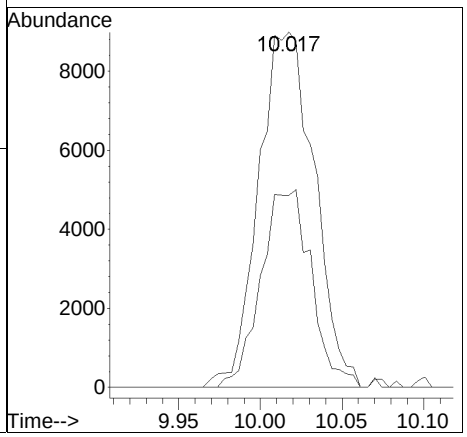


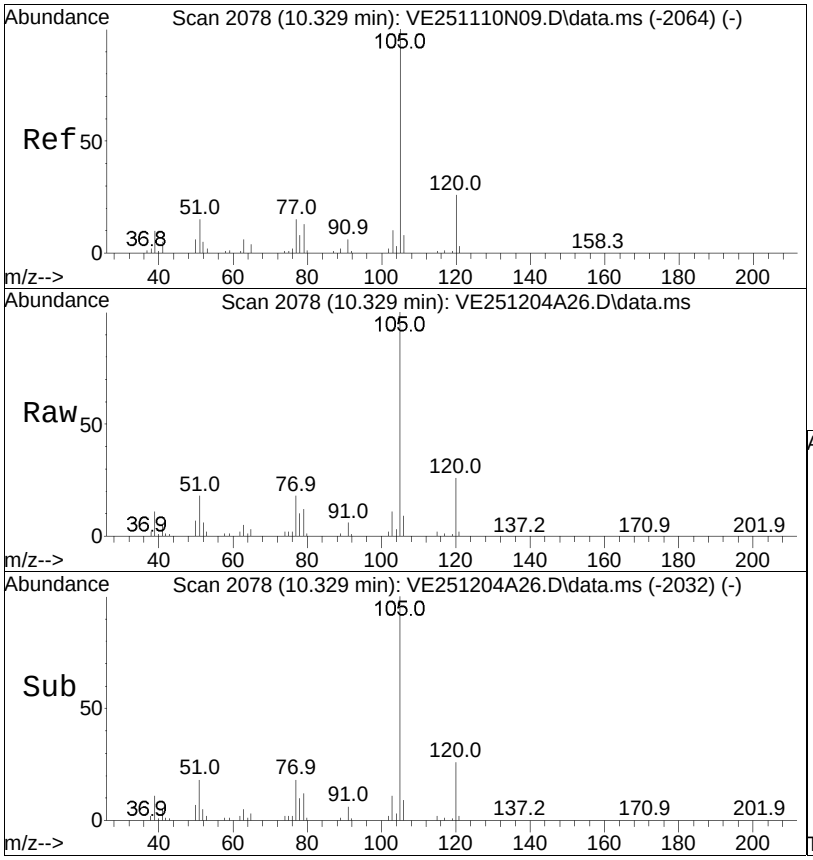


#85
Bromoform
Concen: 7.87 ug/L
RT: 10.017 min Scan# 2007
Delta R.T. -0.005 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:173 Resp: 21413

Ion	Ratio	Lower	Upper
173	100		
175	50.0	29.9	69.9

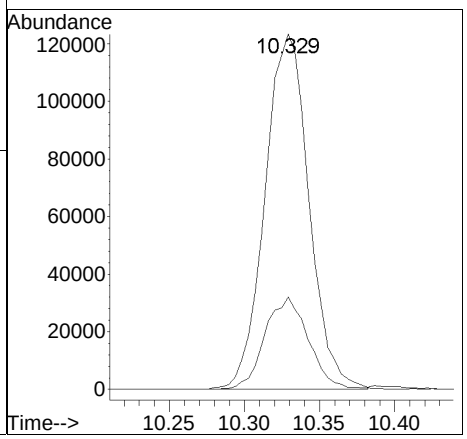


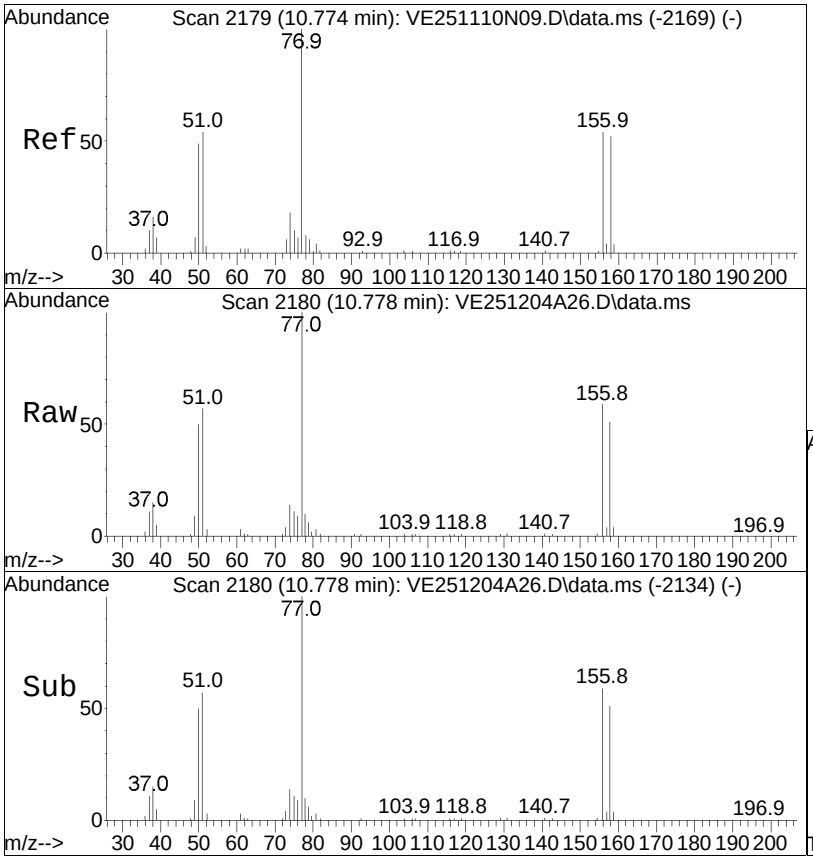


#87
Isopropylbenzene
Concen: 9.07 ug/L
RT: 10.329 min Scan# 2078
Delta R.T. 0.000 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:105 Resp: 250994

Ion	Ratio	Lower	Upper
105	100		
120	25.8	5.0	45.0

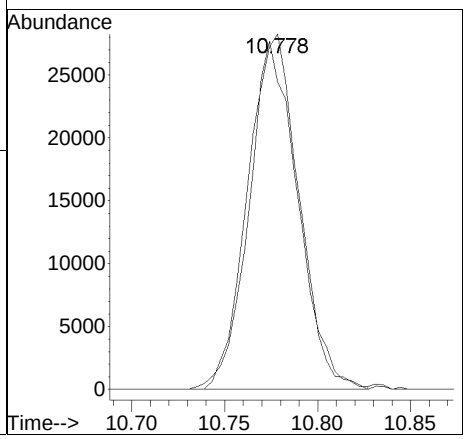


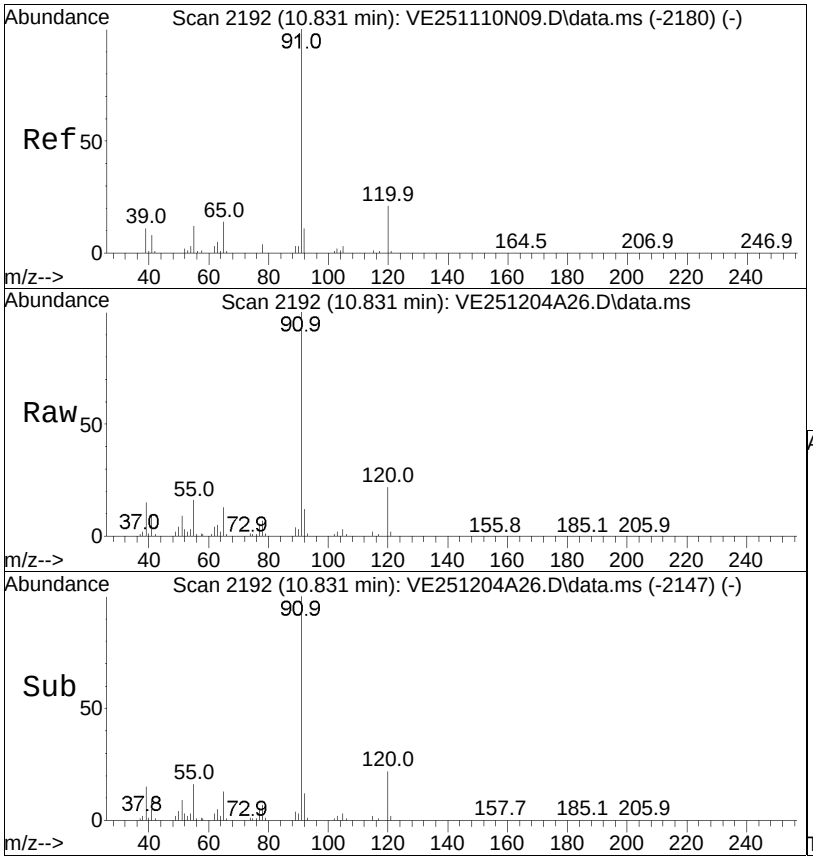


#89
Bromobenzene
Concen: 9.39 ug/L
RT: 10.778 min Scan# 2180
Delta R.T. 0.004 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:156 Resp: 53975

Ion	Ratio	Lower	Upper
156	100		
158	94.0	79.0	118.4

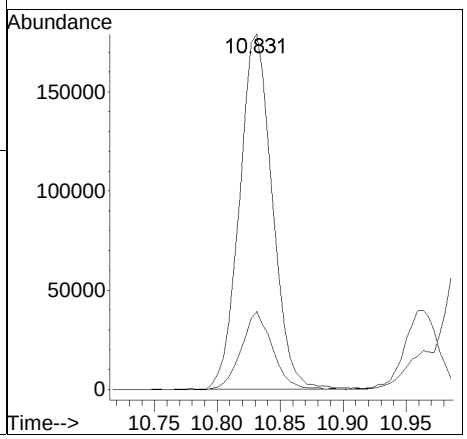


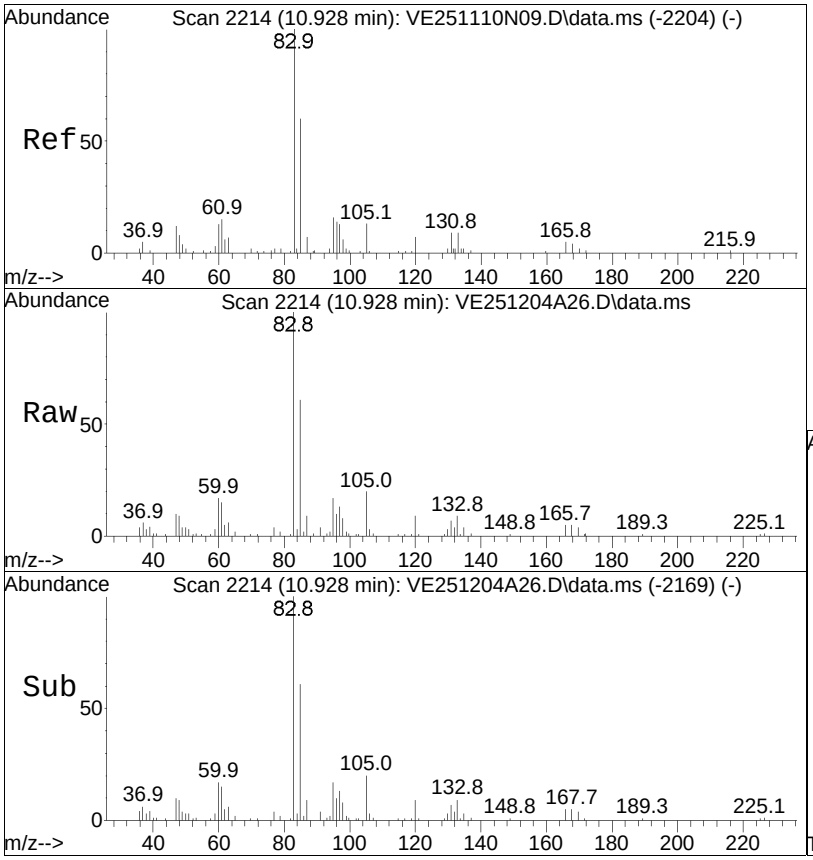


#90
n-Propylbenzene
Concen: 9.30 ug/L
RT: 10.831 min Scan# 2192
Delta R.T. 0.000 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 91 Resp: 324036

Ion	Ratio	Lower	Upper
91	100		
120	20.9	16.7	25.1

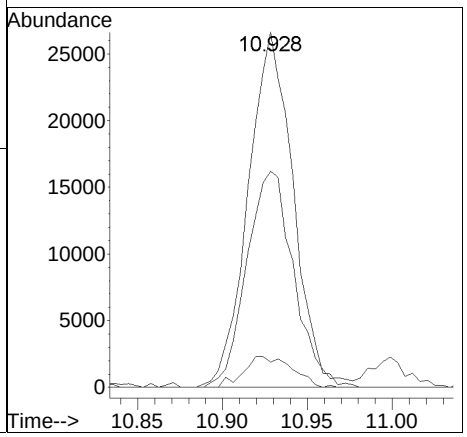


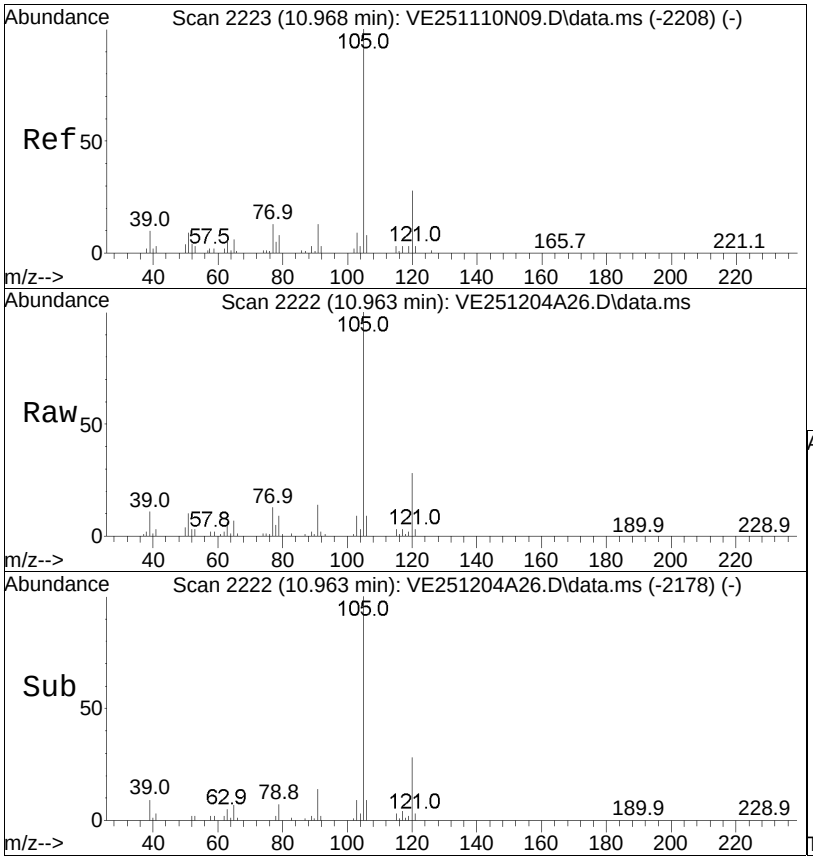


#92
1,1,2,2-Tetrachloroethane
Concen: 9.35 ug/L
RT: 10.928 min Scan# 2214
Delta R.T. 0.000 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 83 Resp: 48823

Ion	Ratio	Lower	Upper
83	100		
131	9.5	0.0	28.3
85	64.3	43.6	83.6

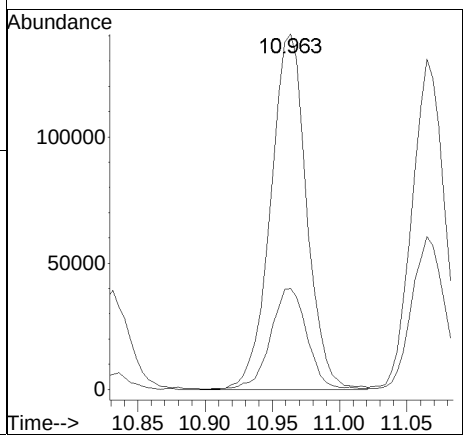


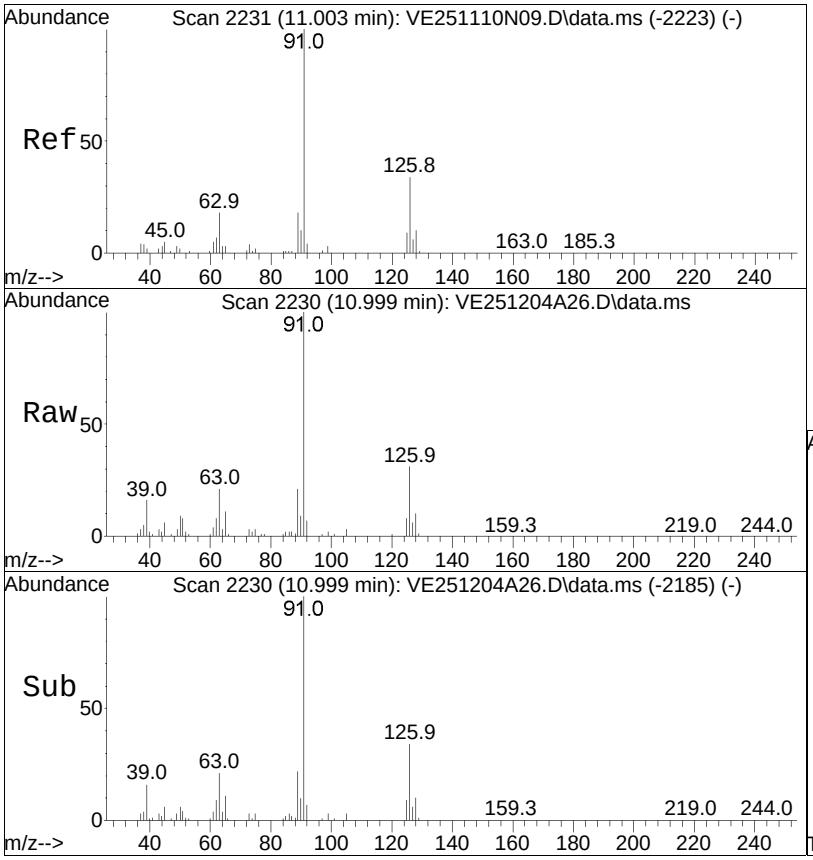


#93
4-Ethyltoluene
Concen: 9.64 ug/L
RT: 10.963 min Scan# 2222
Delta R.T. -0.005 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:105 Resp: 262042

Ion	Ratio	Lower	Upper
105	100		
120	28.8	18.7	38.7

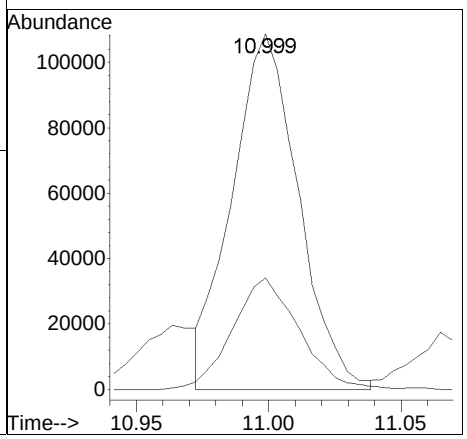


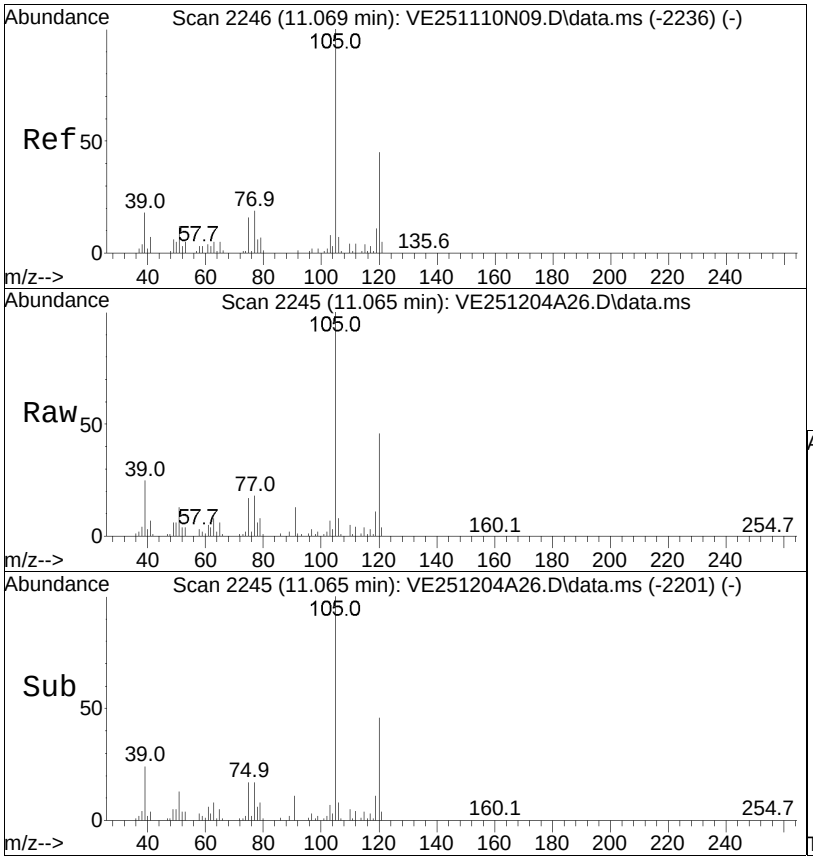


#94
2-Chlorotoluene
Concen: 9.05 ug/L M6
RT: 10.999 min Scan# 2230
Delta R.T. -0.004 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 91 Resp: 190073

Ion	Ratio	Lower	Upper
91	100		
126	31.4	23.2	34.8

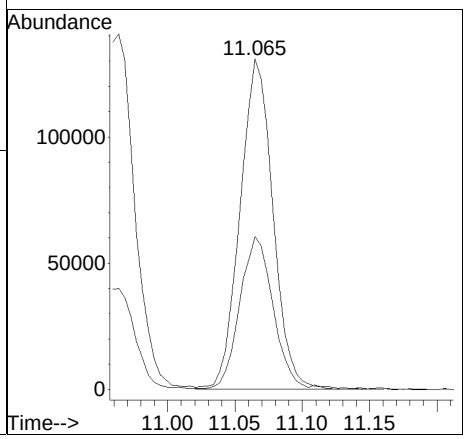


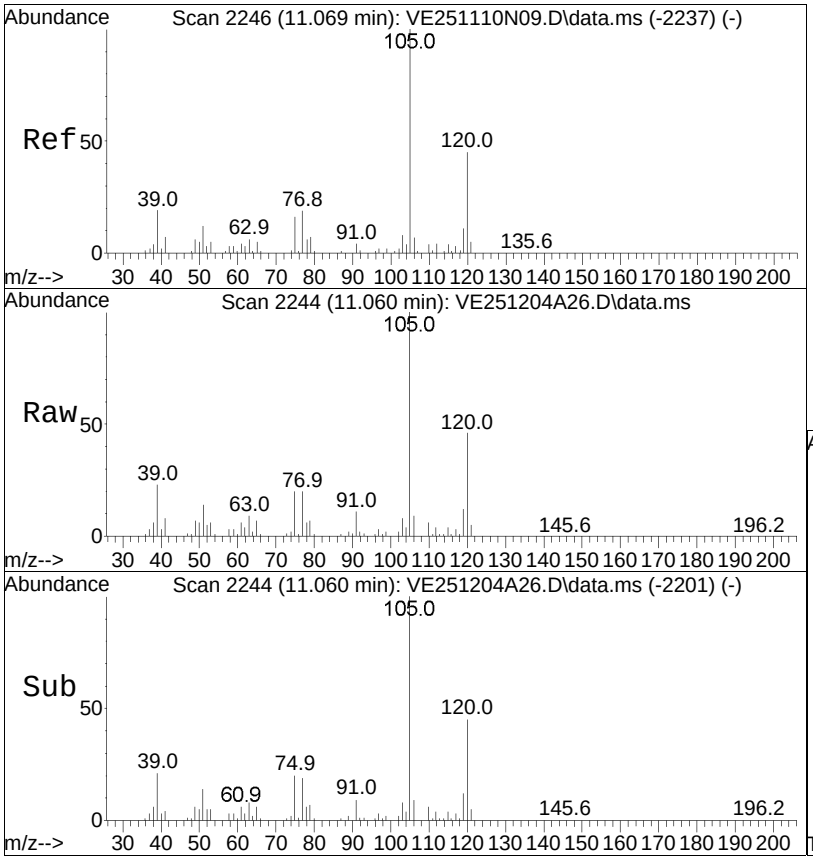


#95
1,3,5-Trimethylbenzene
Concen: 9.14 ug/L
RT: 11.065 min Scan# 2245
Delta R.T. -0.004 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:105 Resp: 222515

Ion	Ratio	Lower	Upper
105	100		
120	47.2	37.2	55.8

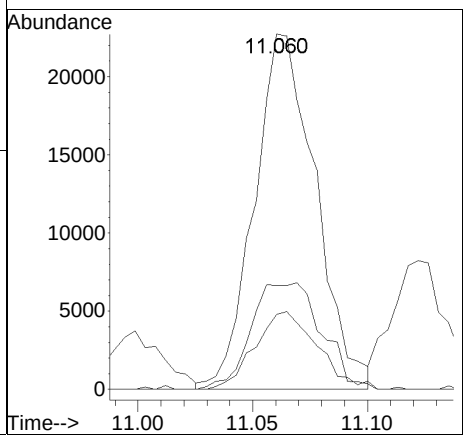


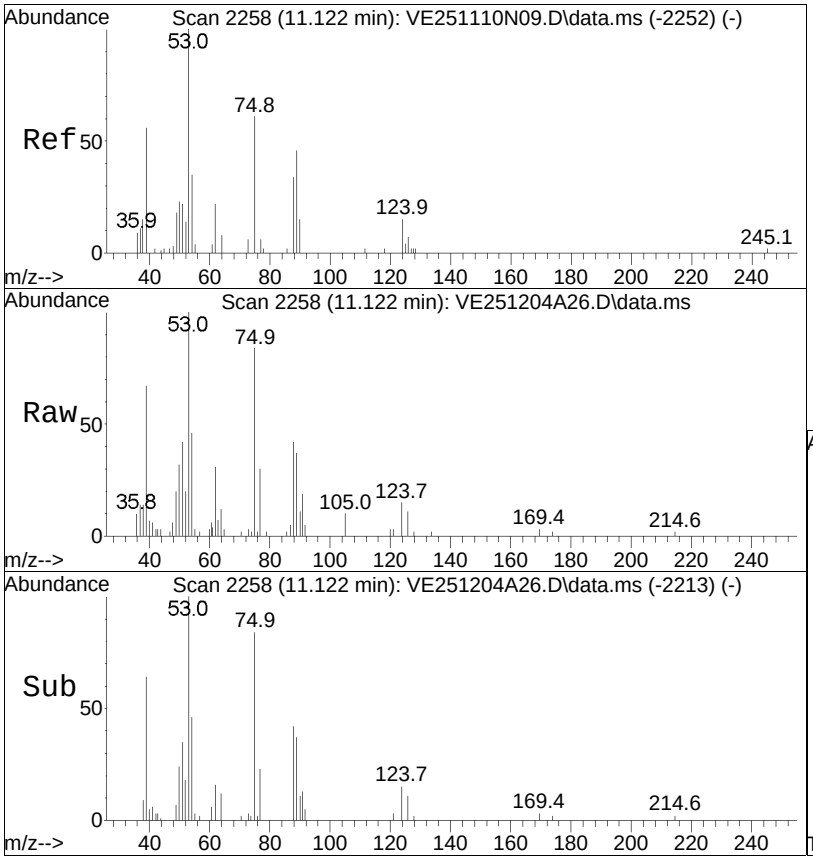


#96
1,2,3-Trichloropropane
Concen: 9.09 ug/L
RT: 11.060 min Scan# 2244
Delta R.T. -0.009 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 75 Resp: 42186

Ion	Ratio	Lower	Upper
75	100		
110	34.4	21.1	43.9
112	22.3	13.7	28.5

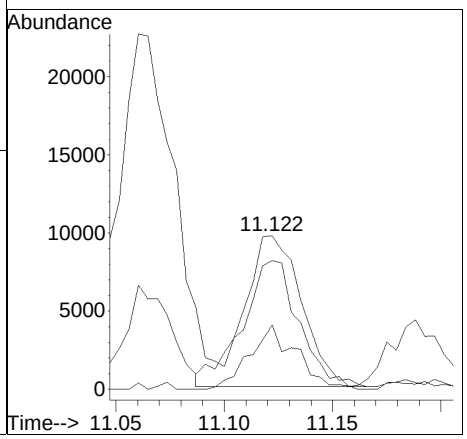


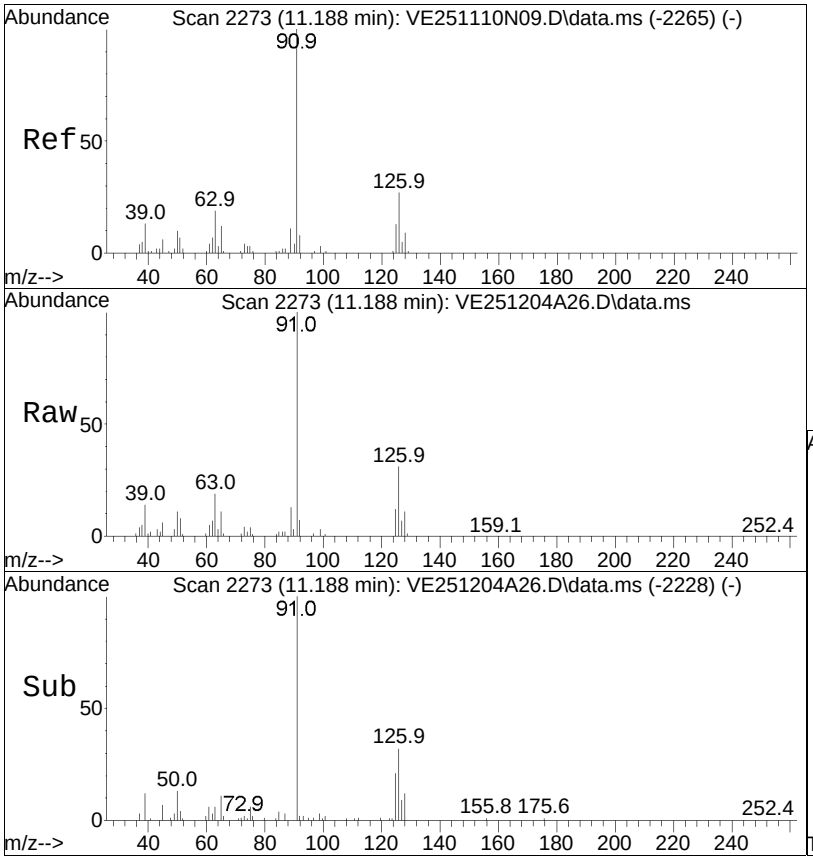


#97
trans-1,4-Dichloro-2-butene
Concen: 7.79 ug/L
RT: 11.122 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 53 Resp: 18306

Ion	Ratio	Lower	Upper
53	100		
88	33.8	27.4	41.0
75	75.4	57.7	86.5

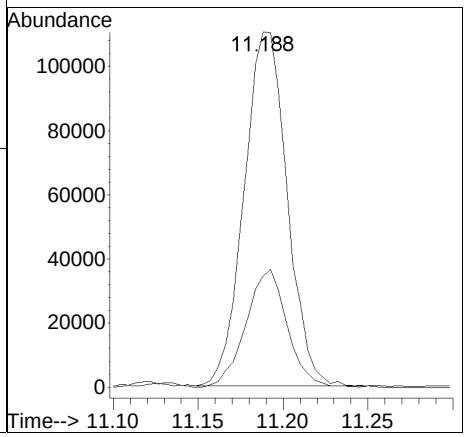


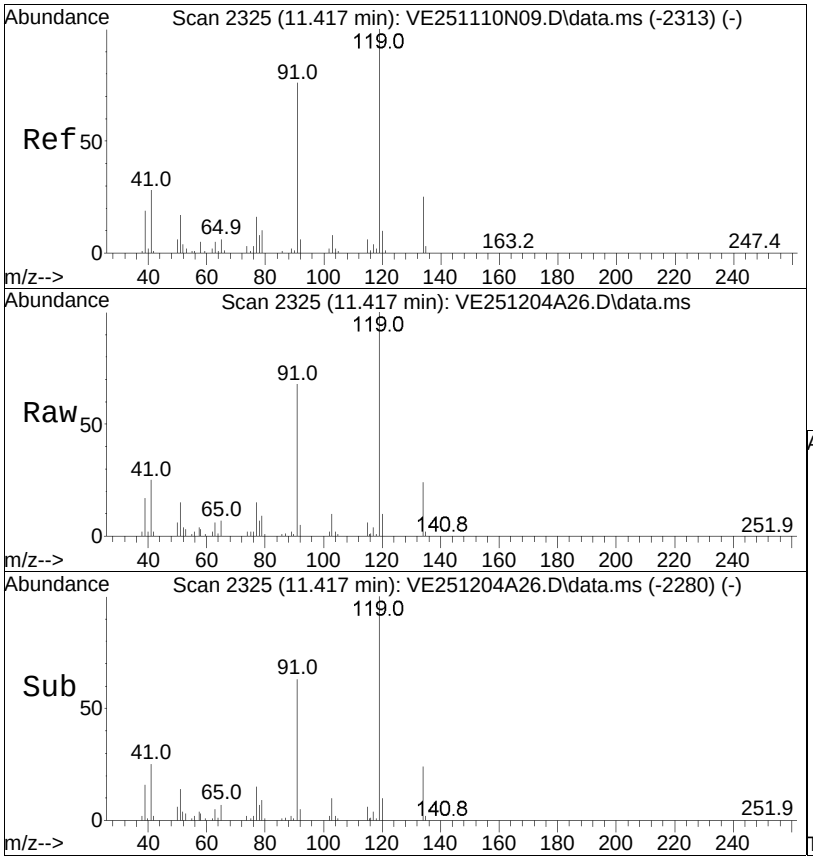


#98
4-Chlorotoluene
Concen: 9.15 ug/L
RT: 11.188 min Scan# 2273
Delta R.T. 0.000 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 91 Resp: 194347

Ion	Ratio	Lower	Upper
91	100		
126	32.1	24.7	37.1

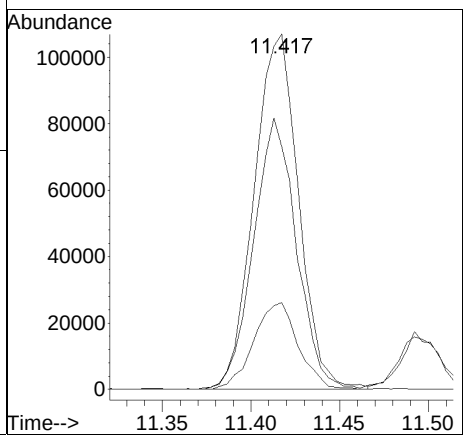


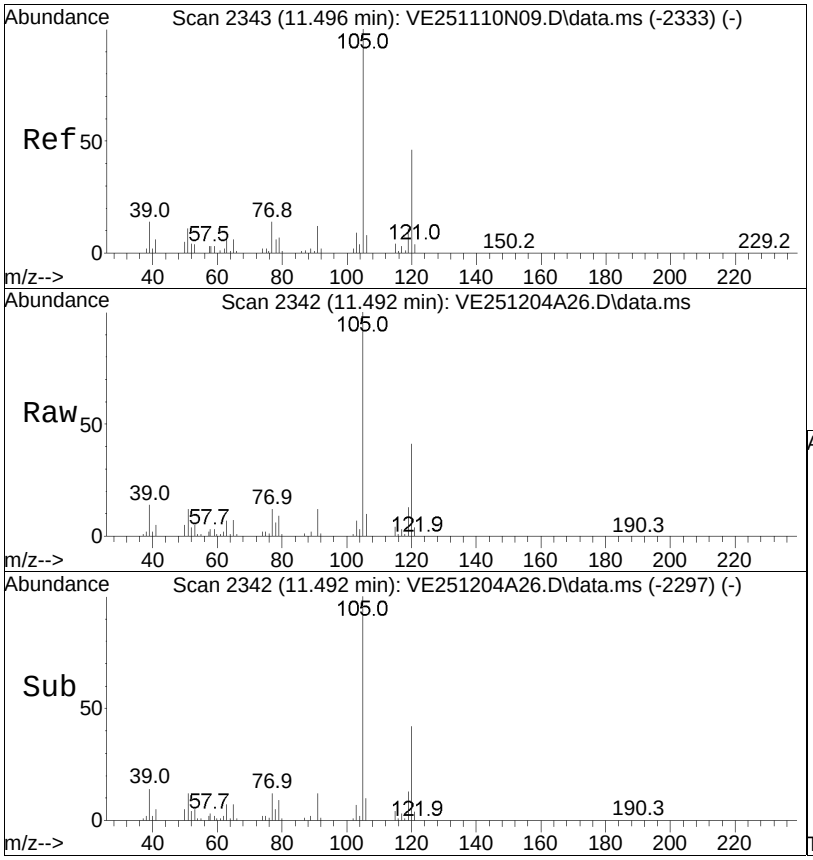


#99
tert-Butylbenzene
Concen: 9.45 ug/L
RT: 11.417 min Scan# 2325
Delta R.T. 0.000 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:119 Resp: 186699

Ion	Ratio	Lower	Upper
119	100		
91	73.6	59.3	88.9
134	24.5	19.4	29.2

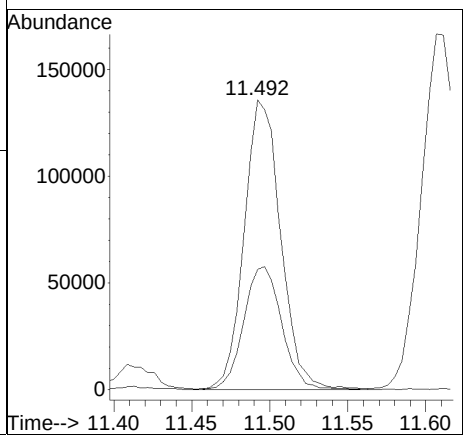


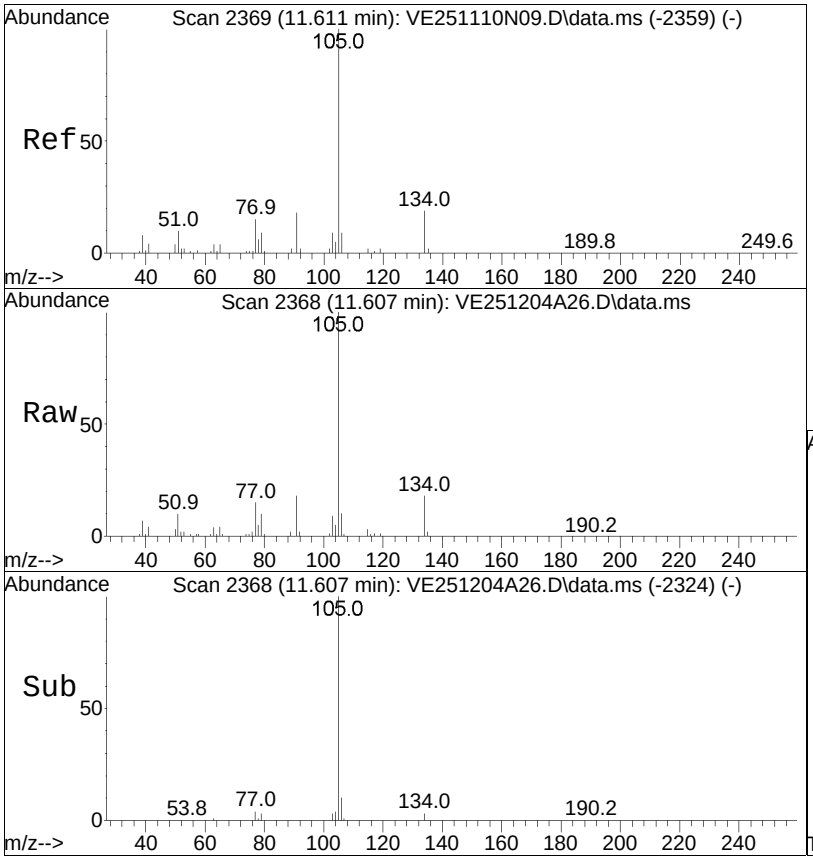


#102
1,2,4-Trimethylbenzene
Concen: 9.08 ug/L
RT: 11.492 min Scan# 2342
Delta R.T. -0.004 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:105 Resp: 220544

Ion	Ratio	Lower	Upper
105	100		
120	44.0	35.9	53.9

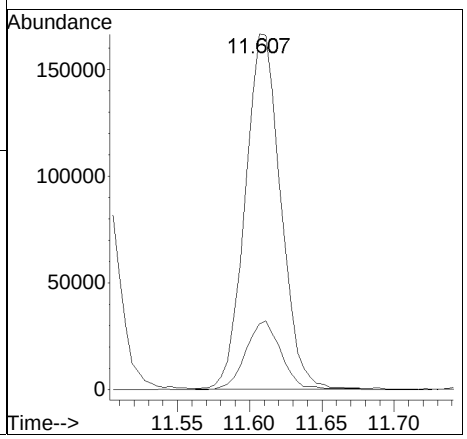


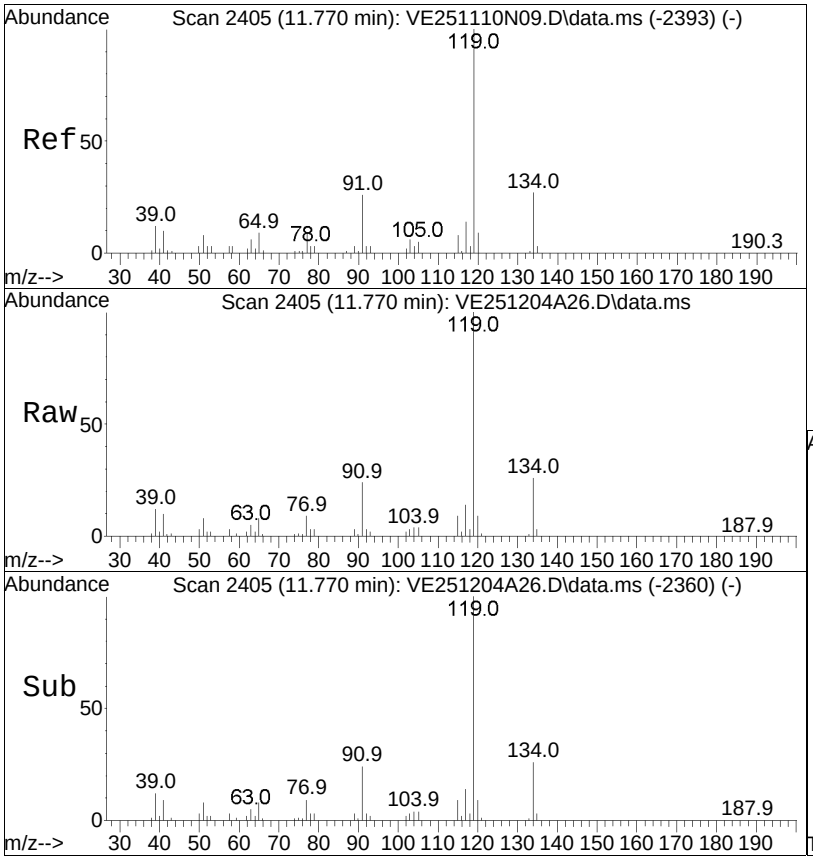


#103
sec-Butylbenzene
Concen: 9.40 ug/L
RT: 11.607 min Scan# 2368
Delta R.T. -0.004 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:105 Resp: 284127

Ion	Ratio	Lower	Upper
105	100		
134	19.0	12.2	25.2

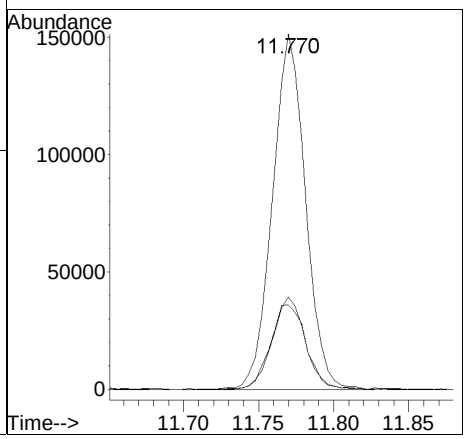


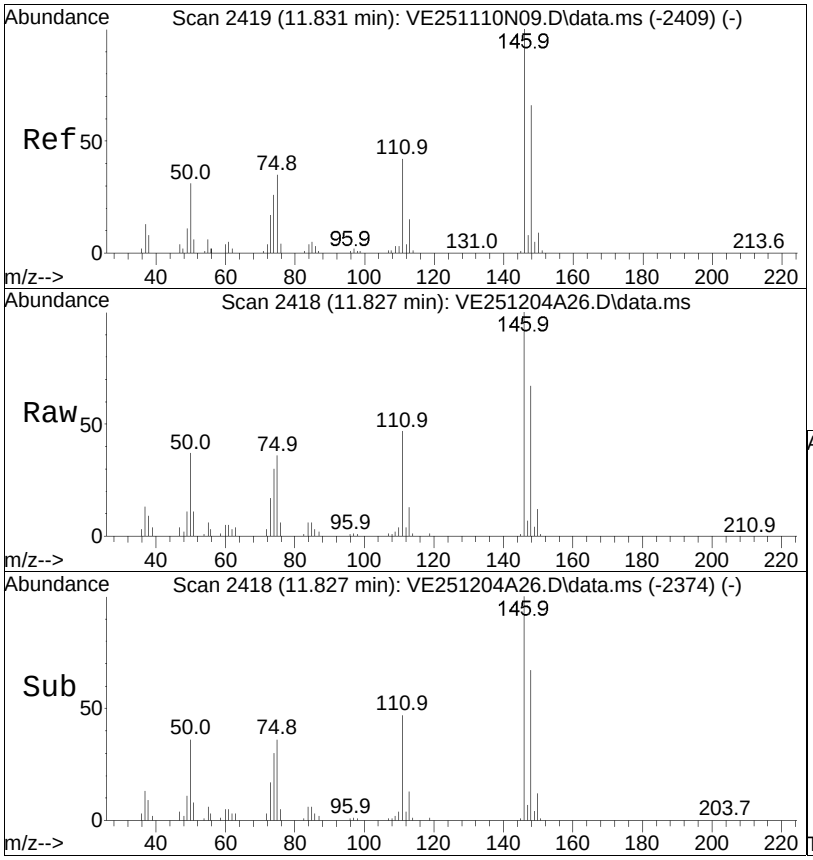


#104
p-Isopropyltoluene
Concen: 9.14 ug/L
RT: 11.770 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:119 Resp: 231516

Ion	Ratio	Lower	Upper
119	100		
134	26.1	16.8	34.8
91	25.8	18.0	37.4

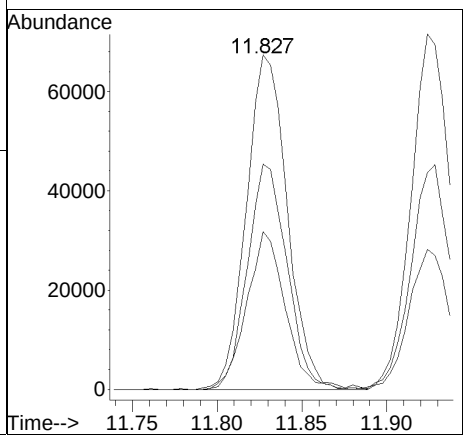


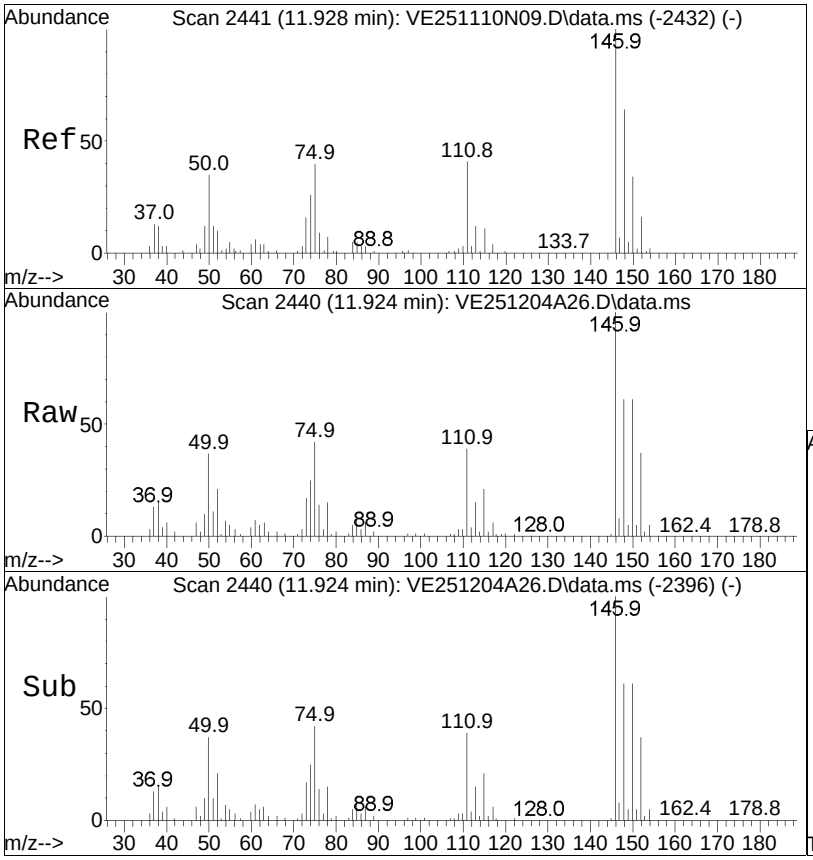


#105
1,3-Dichlorobenzene
Concen: 9.01 ug/L
RT: 11.827 min Scan# 2418
Delta R.T. -0.004 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:146 Resp: 113425

Ion	Ratio	Lower	Upper
146	100		
111	43.9	28.9	60.1
148	64.9	40.8	84.6

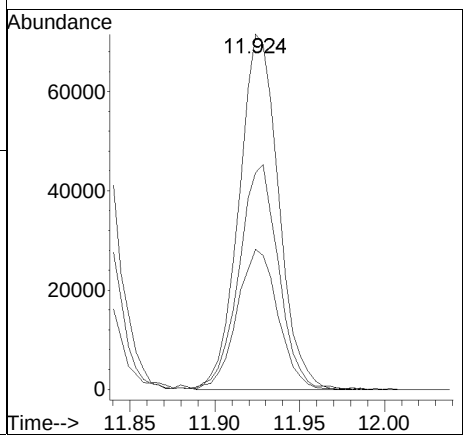


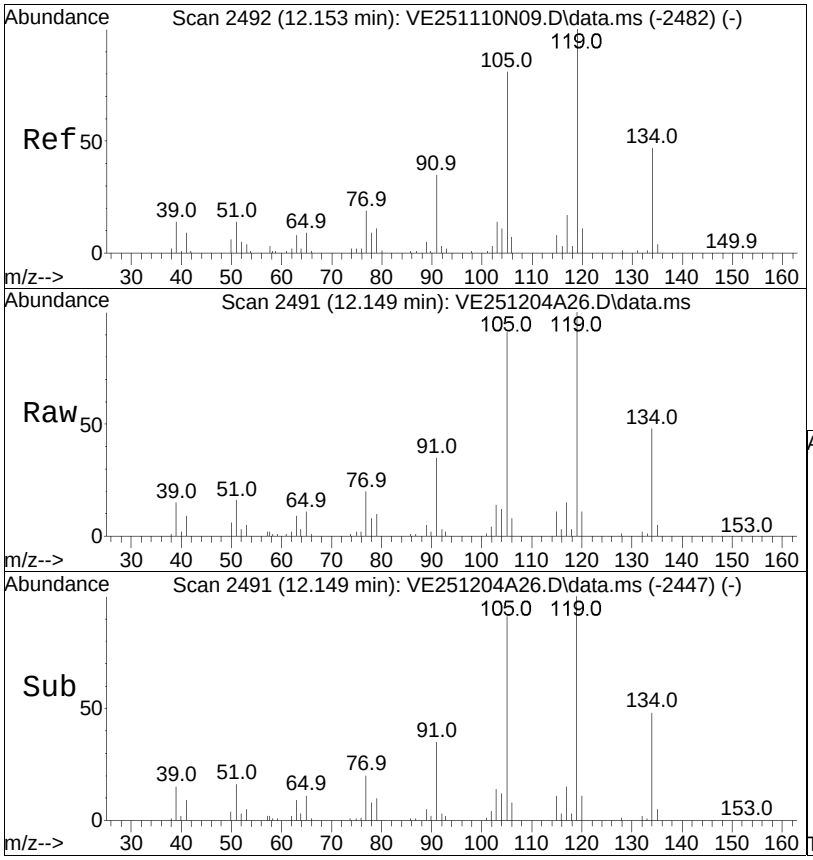


#106
1,4-Dichlorobenzene
Concen: 9.30 ug/L
RT: 11.924 min Scan# 2440
Delta R.T. -0.004 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:146 Resp: 116097

Ion	Ratio	Lower	Upper
146	100		
111	40.4	34.1	51.1
148	63.1	51.3	76.9

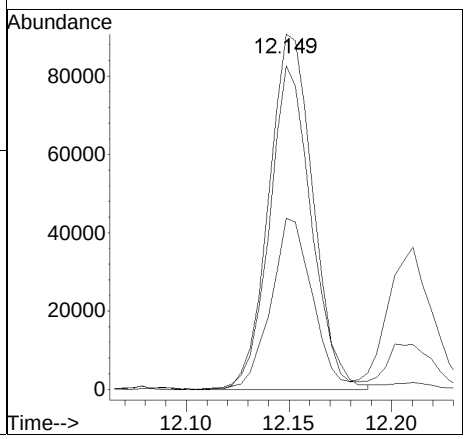


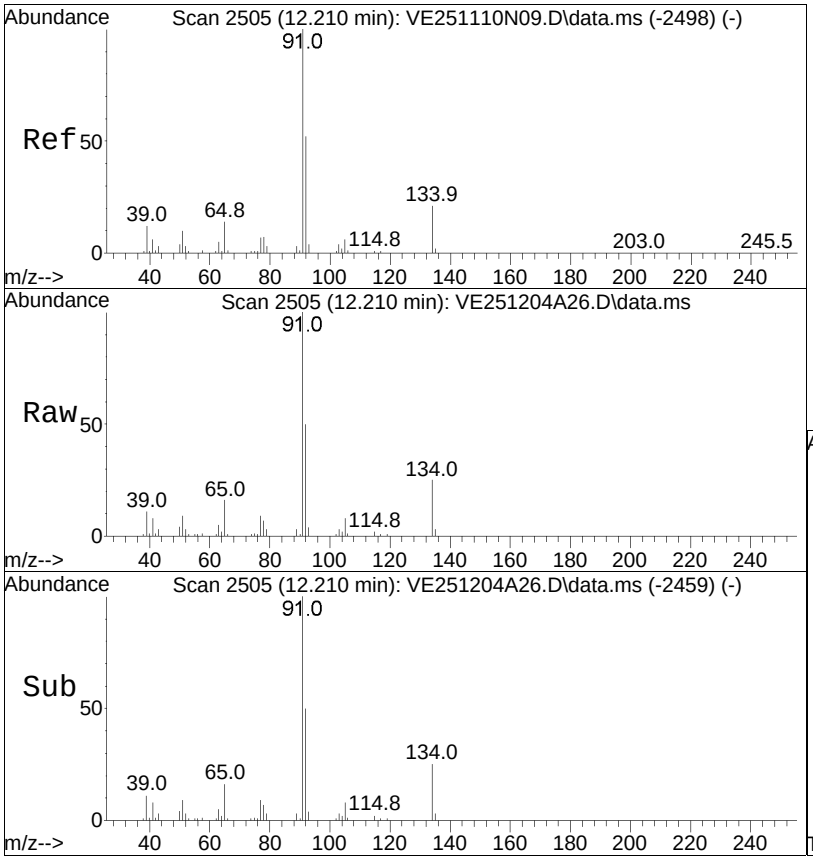


#107
p-Diethylbenzene
Concen: 9.04 ug/L
RT: 12.149 min Scan# 2491
Delta R.T. -0.004 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:119 Resp: 135437

Ion	Ratio	Lower	Upper
119	100		
105	86.1	55.8	115.8
134	45.3	29.2	60.6

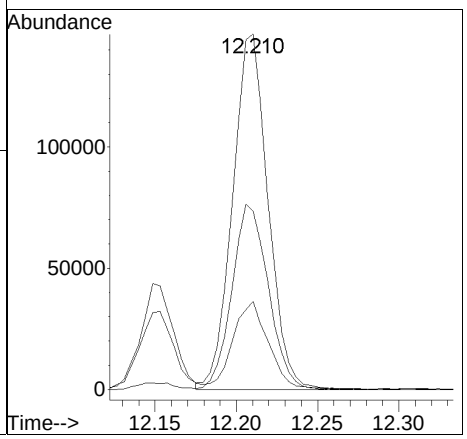


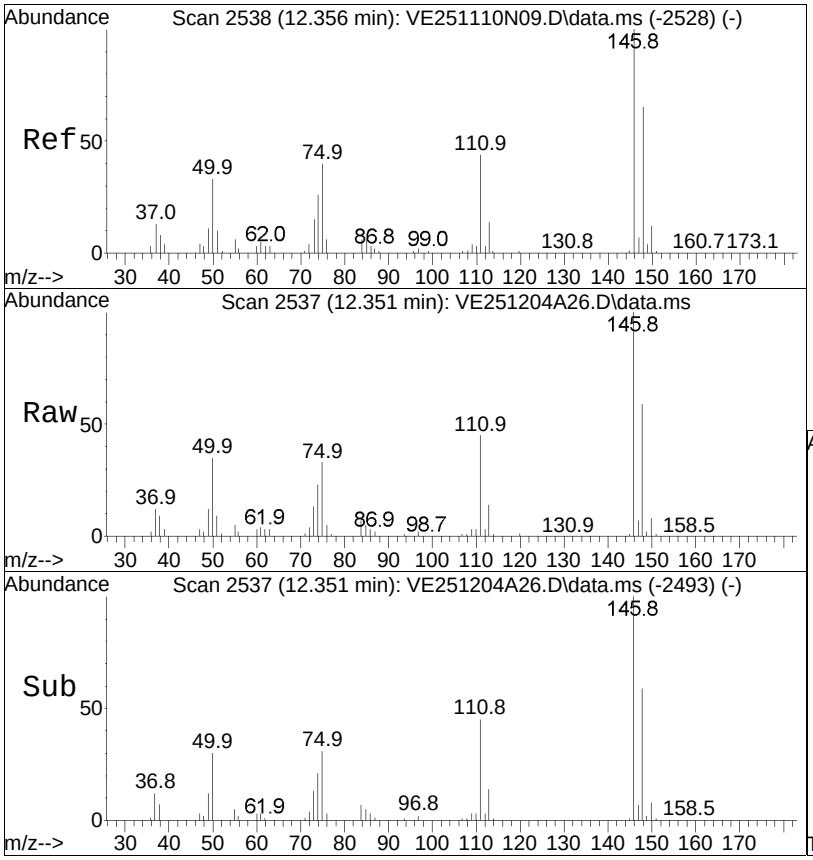


#108
n-Butylbenzene
Concen: 9.01 ug/L
RT: 12.210 min Scan# 2505
Delta R.T. 0.000 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion: 91 Resp: 222304

Ion	Ratio	Lower	Upper
91	100		
92	53.5	41.4	62.0
134	24.7	18.8	28.2

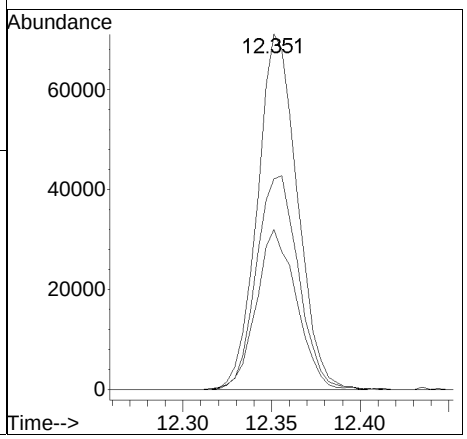


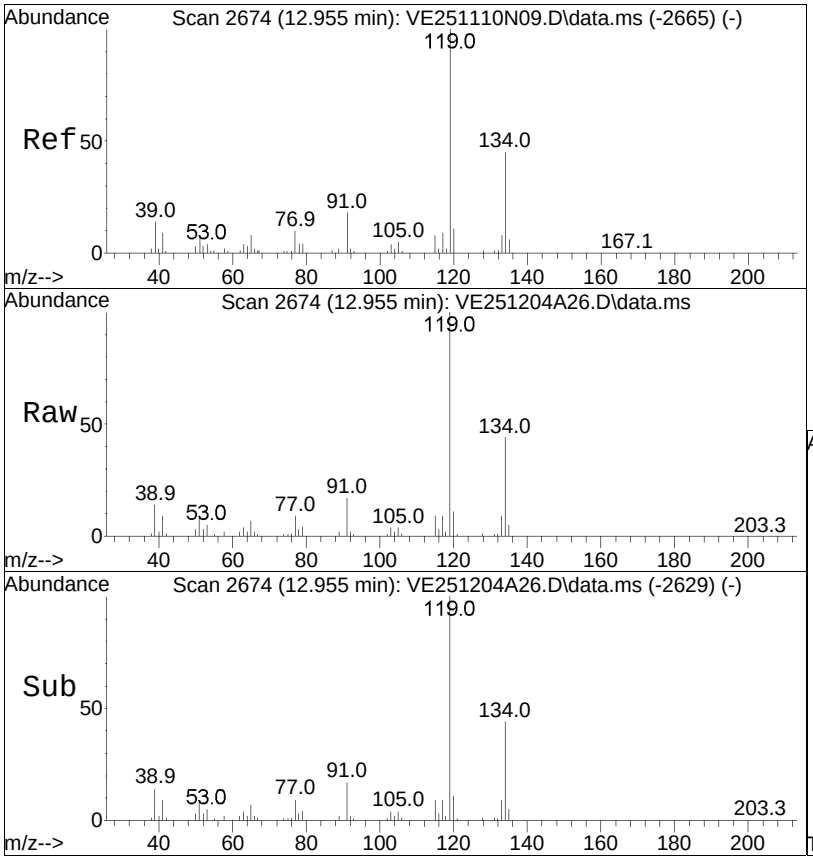


#109
1,2-Dichlorobenzene
Concen: 9.52 ug/L
RT: 12.351 min Scan# 2537
Delta R.T. -0.005 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:146 Resp: 111289

Ion	Ratio	Lower	Upper
146	100		
111	45.4	29.4	61.0
148	63.4	40.4	83.8

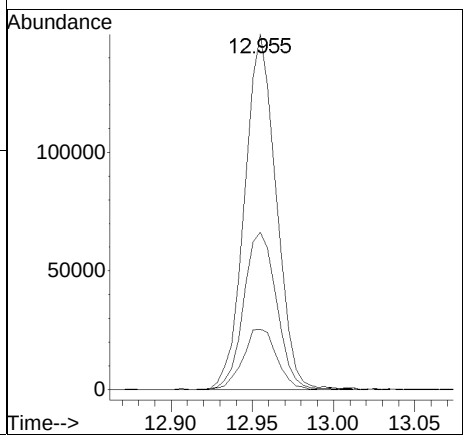


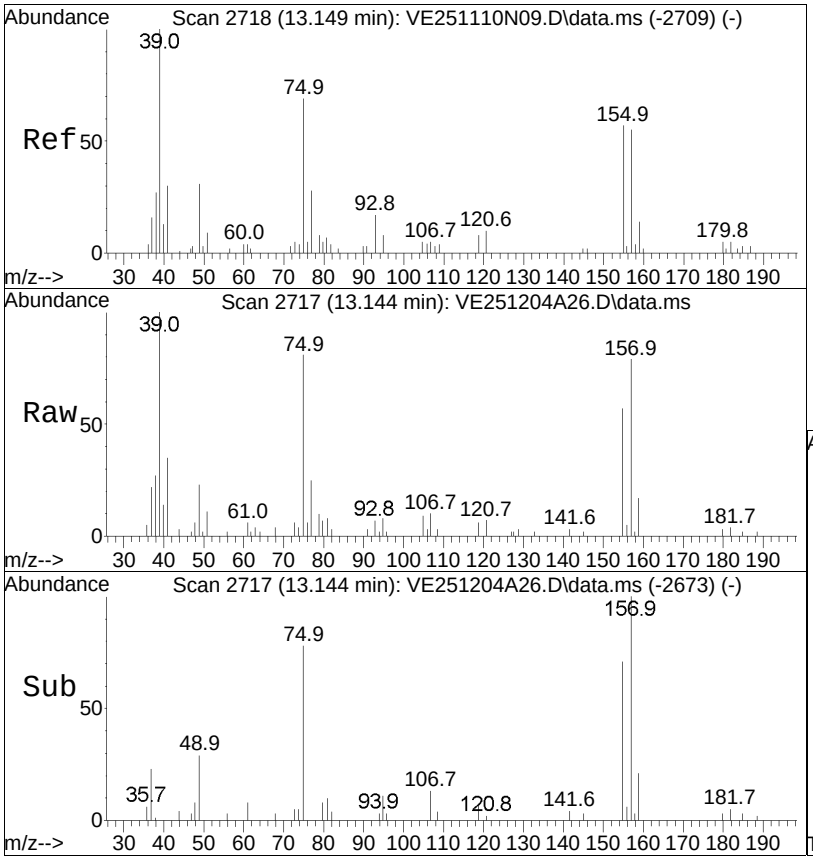


#110
1,2,4,5-Tetramethylbenzene
Concen: 8.00 ug/L
RT: 12.955 min Scan# 2674
Delta R.T. -0.000 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:119 Resp: 202689

Ion	Ratio	Lower	Upper
119	100		
134	46.0	29.6	61.6
91	18.1	12.4	25.8

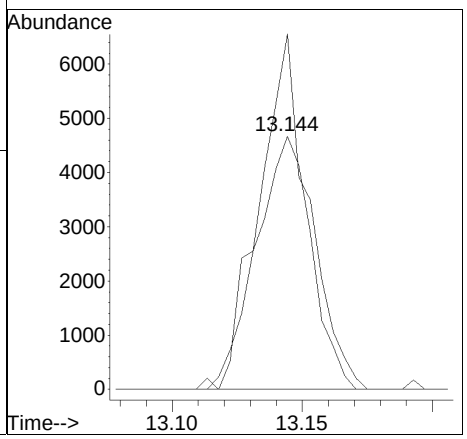


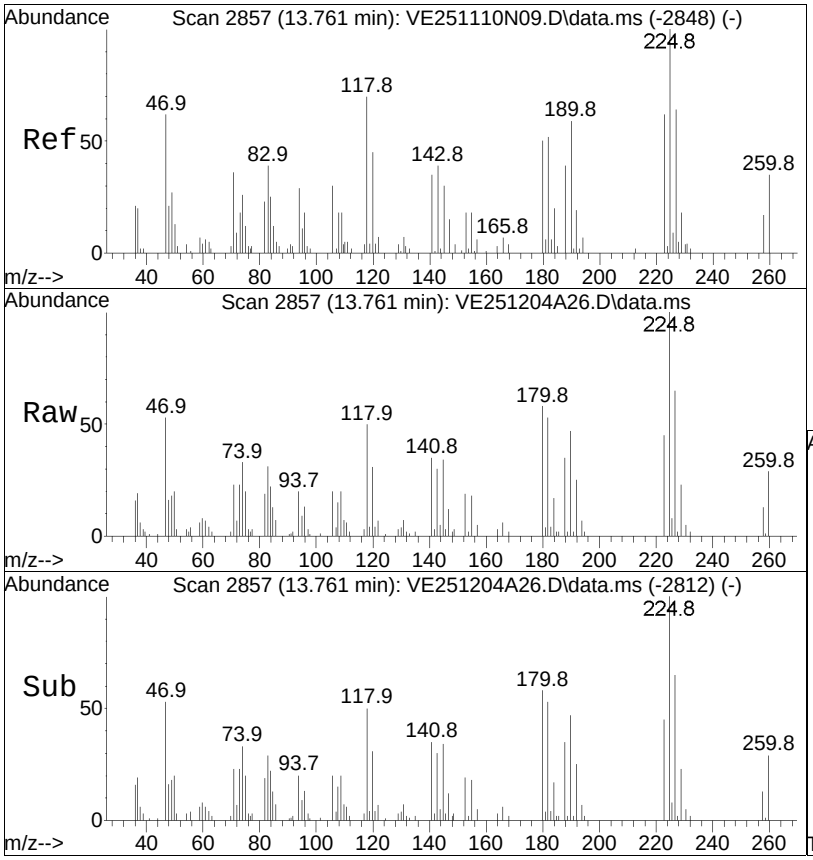


#111
1,2-Dibromo-3-chloropropane
Concen: 9.17 ug/L
RT: 13.144 min Scan# 2717
Delta R.T. -0.005 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:155 Resp: 6907

Ion	Ratio	Lower	Upper
155	100		
157	125.9	101.0	151.4

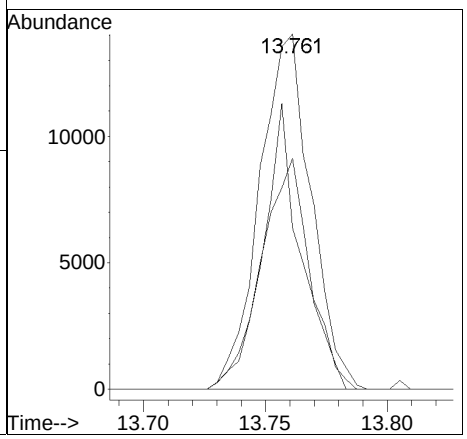


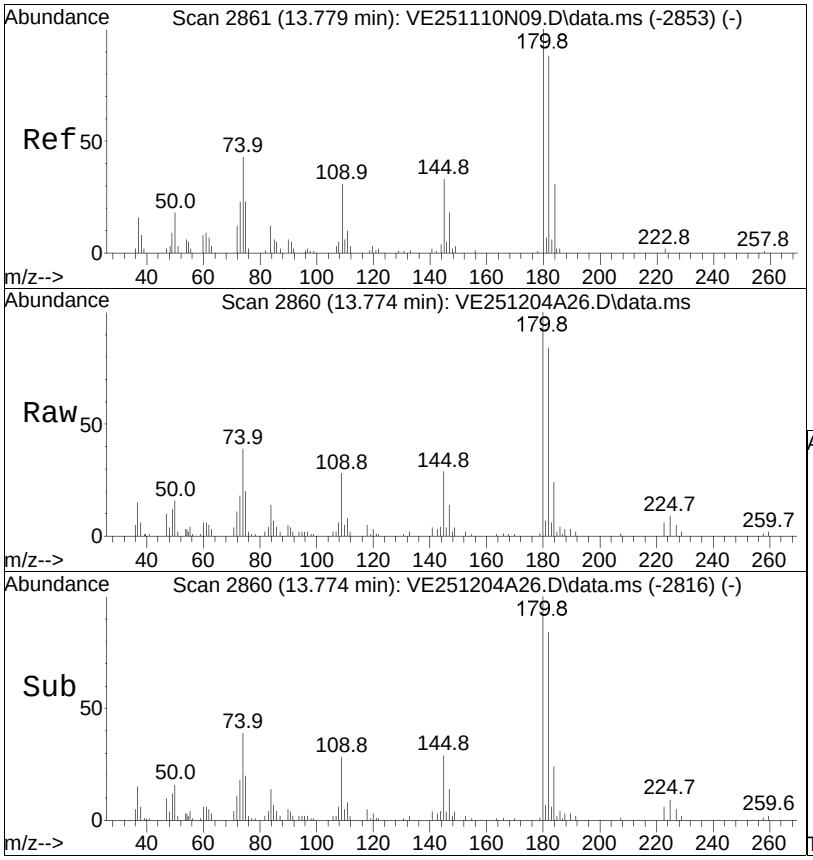


#113
Hexachlorobutadiene
Concen: 10.48 ug/L
RT: 13.761 min Scan# 2857
Delta R.T. 0.000 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:225 Resp: 20644

Ion	Ratio	Lower	Upper
225	100		
223	60.8	53.8	80.8
227	60.2	52.1	78.1

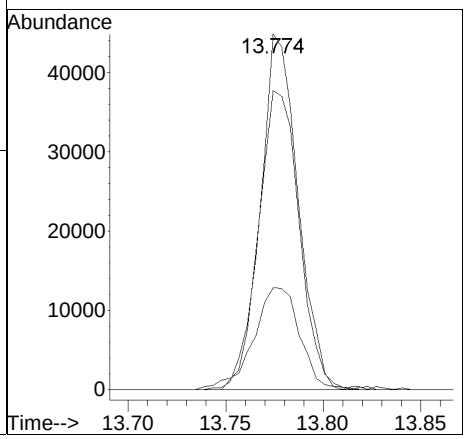


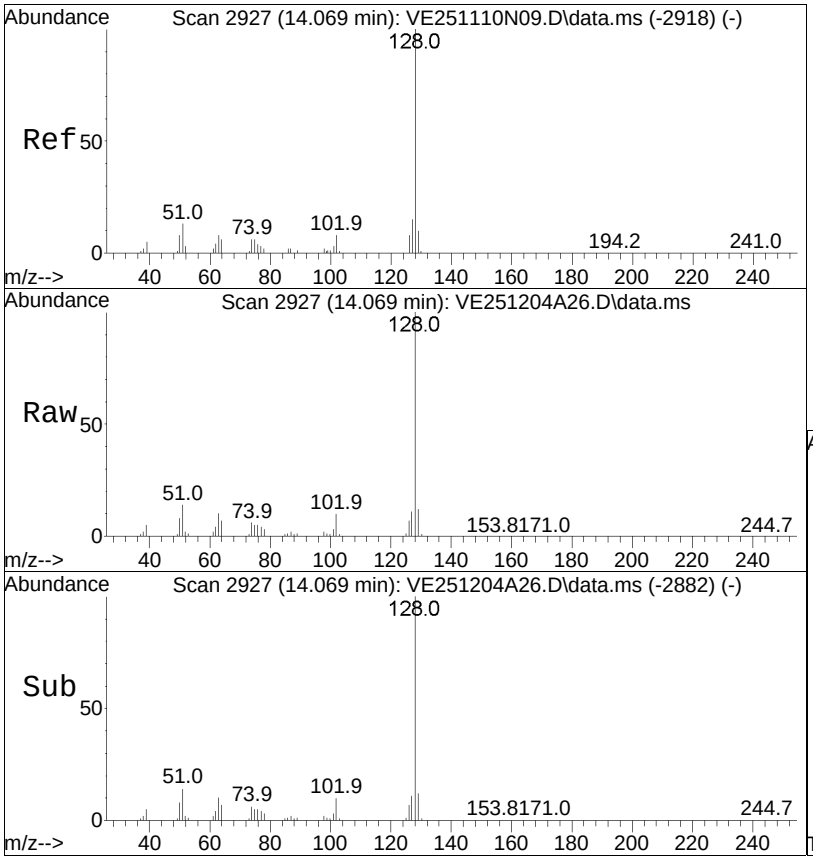


#114
1,2,4-Trichlorobenzene
Concen: 9.59 ug/L
RT: 13.774 min Scan# 2860
Delta R.T. -0.005 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:180 Resp: 60668

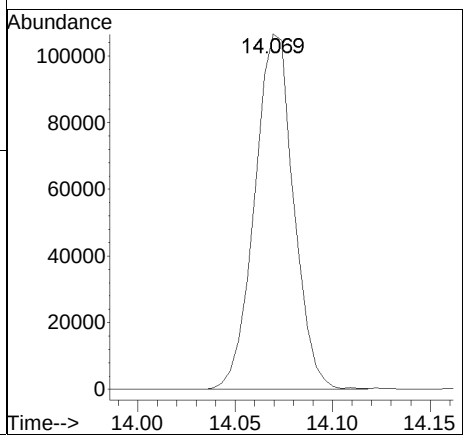
Ion	Ratio	Lower	Upper
180	100		
182	89.3	75.1	112.7
145	34.5	29.6	44.4

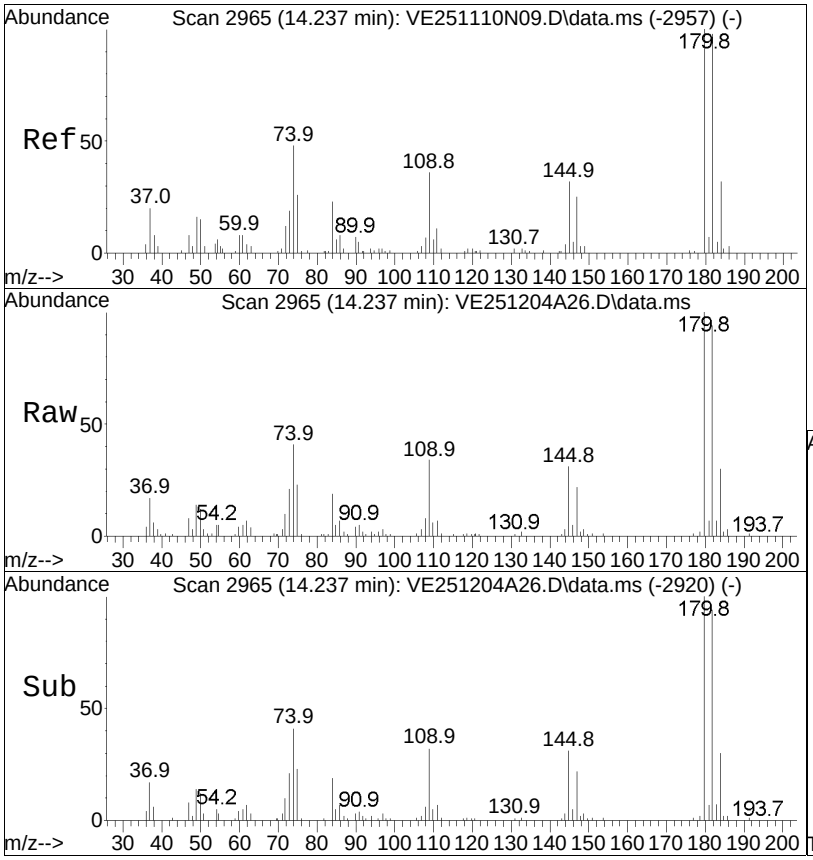




#115
Naphthalene
Concen: 9.39 ug/L
RT: 14.069 min Scan# 2927
Delta R.T. 0.000 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:128 Resp: 148151

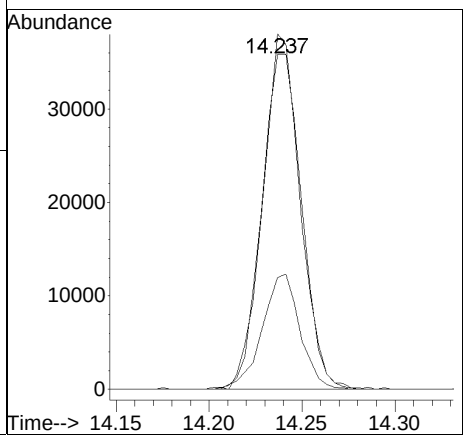




#116
1,2,3-Trichlorobenzene
Concen: 9.67 ug/L
RT: 14.237 min Scan# 2965
Delta R.T. -0.000 min
Lab File: VE251204A26.D
Acq: 4 Dec 2025 5:39 pm

Tgt Ion:180 Resp: 53373

Ion	Ratio	Lower	Upper
180	100		
182	100.2	78.9	118.3
145	32.5	27.7	41.5

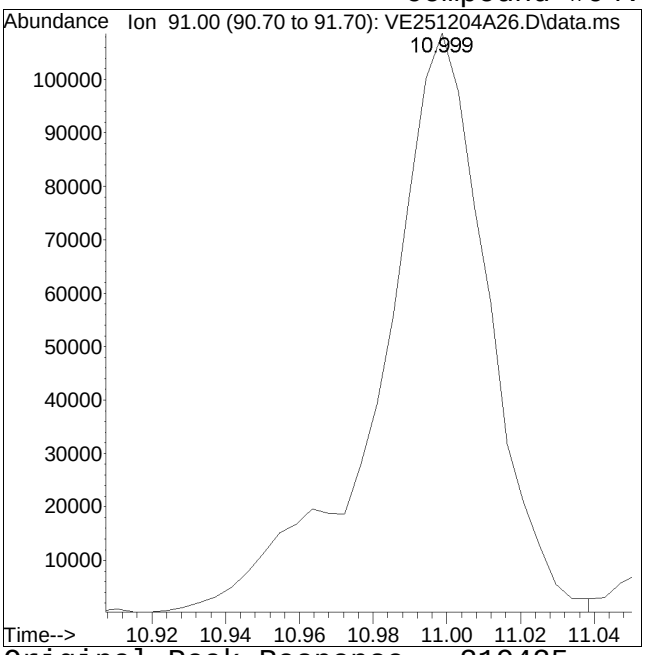


Manual Integration Report

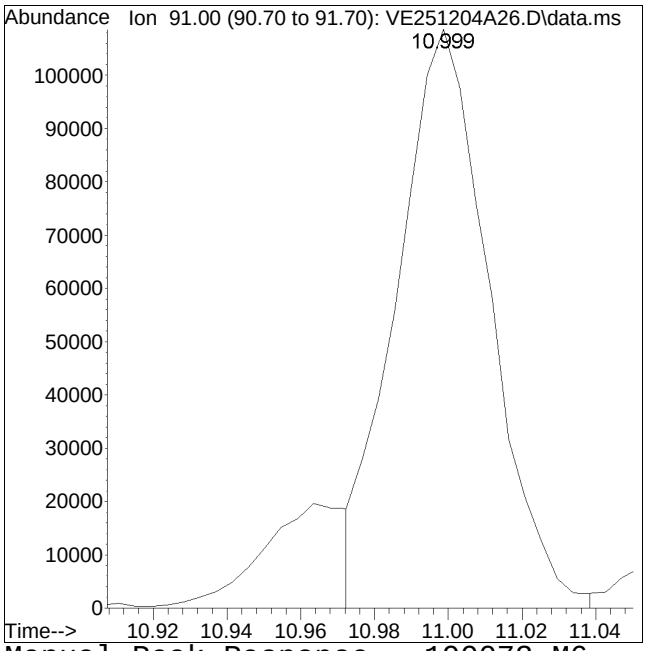
Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A26.D
Date Inj'd : 12/4/2025 5:39 pm
Sample : WG2149663-6,31,10,10,,A1

QMethod : Elaine_251111N_8260.m
Operator : ELAINE:MJV
Instrument : Elaine
Quant Date : 12/5/2025 5:54 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 219425



Manual Peak Response = 190073 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A28.D
Acq On : 4 Dec 2025 6:28 pm
Operator : ELAINE:MJV
Sample : WG2149663-8,31,10,10,,A1 (Sig #1); L2575144-08MS,31,10,10,,A1 (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 05 06:06:47 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.629	96	201854	10.000	ug/L	0.00
Standard Area 1 = 228604			Recovery = 88.30%			
63) Chlorobenzene-d5	9.127	117	171408	10.000	ug/L	0.00
Standard Area 1 = 181694			Recovery = 94.34%			
84) 1,4-Dichlorobenzene-d4	11.906	152	97987	10.000	ug/L	0.00
Standard Area 1 = 98206			Recovery = 99.78%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.843	113	58637	10.540	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.40%			
47) 1,2-Dichloroethane-d4	5.353	65	77266	10.194	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.94%			
64) Toluene-d8	7.301	98	226010	9.853	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.53%			
88) 4-Bromofluorobenzene	10.664	95	89115	9.540	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.463	85	69520	10.509	ug/L	99
3) Chloromethane	1.640	50	93613	10.581	ug/L	98
4) Vinyl chloride	1.704	62	96284	13.977	ug/L	96
5) Bromomethane	1.984	94	19082	6.054	ug/L	98
6) Chloroethane	2.084	64	58944	13.136	ug/L	93
7) Trichlorofluoromethane	2.220	101	83233	10.214	ug/L	94
8) Ethyl ether	2.496	74	26898	10.094	ug/L	89
10) 1,1-Dichloroethene	2.668	96	48566	10.788	ug/L	95
11) Carbon disulfide	2.700	76	188057	12.344	ug/L	97
15) Methylene chloride	3.198	84	58885	10.750	ug/L	94
17) Acetone	3.235	43	21743	12.278	ug/L #	84
18) trans-1,2-Dichloroethene	3.343	96	46051	10.717	ug/L	95
21) Methyl tert-butyl ether	3.434	73	97698	9.781	ug/L #	92
25) 1,1-Dichloroethane	3.905	63	125431	10.837	ug/L	99
27) Acrylonitrile	3.950	53	20664	10.773	ug/L	95
29) Vinyl acetate	4.132	43	131013	9.930	ug/L	100
30) cis-1,2-Dichloroethene	4.408	96	54763	10.618	ug/L	90
31) 2,2-Dichloropropane	4.503	77	66876	9.175	ug/L	98
33) Bromochloromethane	4.594	128	25676	11.340	ug/L	80

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A28.D
Acq On : 4 Dec 2025 6:28 pm
Operator : ELAINE:MJV
Sample : WG2149663-8,31,10,10,,A1 (Sig #1); L2575144-08MS,31,10,10,,A1 (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 05 06:06:47 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
35) Chloroform	4.671	83	101117	11.000	ug/L		94
37) Carbon tetrachloride	4.793	117	64758	11.741	ug/L		87
40) 1,1,1-Trichloroethane	4.861	97	83361	11.960	ug/L		98
42) 2-Butanone	4.947	43	21691	9.766	ug/L	#	69
43) 1,1-Dichloropropene	4.983	75	58062	9.845	ug/L		100
45) Benzene	5.217	78	203028	10.850	ug/L		98
48) 1,2-Dichloroethane	5.419	62	80286	10.376	ug/L		97
52) Trichloroethene	5.809	95	43857	9.717	ug/L		96
54) Dibromomethane	6.239	93	30070	10.812	ug/L		96
55) 1,2-Dichloropropane	6.340	63	58595	9.881	ug/L		97
58) Bromodichloromethane	6.415	83	69427	10.809	ug/L	#	95
61) 1,4-Dioxane	6.621	88	20942	583.625	ug/L		97
62) cis-1,3-Dichloropropene	7.099	75	67385	9.545	ug/L		100
65) Toluene	7.358	92	127804	10.049	ug/L		100
66) 4-Methyl-2-pentanone	7.797	58	16102	9.792	ug/L		97
67) Tetrachloroethene	7.797	166	43866	9.686	ug/L		99
69) trans-1,3-Dichloropropene	7.841	75	59895	7.889	ug/L		98
72) 1,1,2-Trichloroethane	8.030	83	31567	9.550	ug/L		99
73) Chlorodibromomethane	8.240	129	41062	9.232	ug/L		99
74) 1,3-Dichloropropane	8.337	76	66440	9.052	ug/L		99
75) 1,2-Dibromoethane	8.499	107	34393	8.774	ug/L		94
77) 2-Hexanone	8.793	43	36957	9.384	ug/L		97
78) Chlorobenzene	9.149	112	144533	10.160	ug/L		97
79) Ethylbenzene	9.188	91	263474	9.919	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.228	131	40458	9.383	ug/L		99
81) p/m Xylene	9.377	106	205212	19.780	ug/L		98
82) o Xylene	9.921	106	205946	20.030	ug/L		95
83) Styrene	9.991	104	330818	18.425	ug/L		98
85) Bromoform	10.017	173	23695	8.419	ug/L		100
87) Isopropylbenzene	10.329	105	265150	9.293	ug/L		98
89) Bromobenzene	10.774	156	57204	9.653	ug/L		97
90) n-Propylbenzene	10.831	91	330574	9.197	ug/L		99
92) 1,1,2,2-Tetrachloroethane	10.928	83	52410	9.735	ug/L		96
93) 4-Ethyltoluene	10.964	105	269949	9.629	ug/L		100
94) 2-Chlorotoluene	10.999	91	209497M6	9.673	ug/L		
95) 1,3,5-Trimethylbenzene	11.065	105	233308	9.287	ug/L		98
96) 1,2,3-Trichloropropane	11.060	75	43939	9.176	ug/L		98
97) trans-1,4-Dichloro-2-b...	11.122	53	19816	8.176	ug/L		98

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A28.D
Acq On : 4 Dec 2025 6:28 pm
Operator : ELAINE:MJV
Sample : WG2149663-8,31,10,10,,A1 (Sig #1); L2575144-08MS,31,10,10,,A1 (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 05 06:06:47 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 4-Chlorotoluene	11.188	91	207094	9.454	ug/L	99
99) tert-Butylbenzene	11.413	119	194107	9.529	ug/L	99
102) 1,2,4-Trimethylbenzene	11.497	105	236788	9.450	ug/L	98
103) sec-Butylbenzene	11.607	105	291772	9.354	ug/L	98
104) p-Isopropyltoluene	11.770	119	243782	9.326	ug/L	98
105) 1,3-Dichlorobenzene	11.831	146	127223	9.802	ug/L	98
106) 1,4-Dichlorobenzene	11.924	146	121017	9.401	ug/L	99
107) p-Diethylbenzene	12.149	119	143964	9.314	ug/L	99
108) n-Butylbenzene	12.210	91	230189	9.043	ug/L	97
109) 1,2-Dichlorobenzene	12.356	146	122418	10.154	ug/L	98
110) 1,2,4,5-Tetramethylben...	12.955	119	222725	8.522	ug/L	99
111) 1,2-Dibromo-3-chloropr...	13.149	155	7611	9.774	ug/L	99
113) Hexachlorobutadiene	13.752	225	21806	10.730	ug/L	95
114) 1,2,4-Trichlorobenzene	13.779	180	66702	10.218	ug/L	99
115) Naphthalene	14.069	128	157845	9.702	ug/L	100
116) 1,2,3-Trichlorobenzene	14.237	180	60649	10.651	ug/L	97

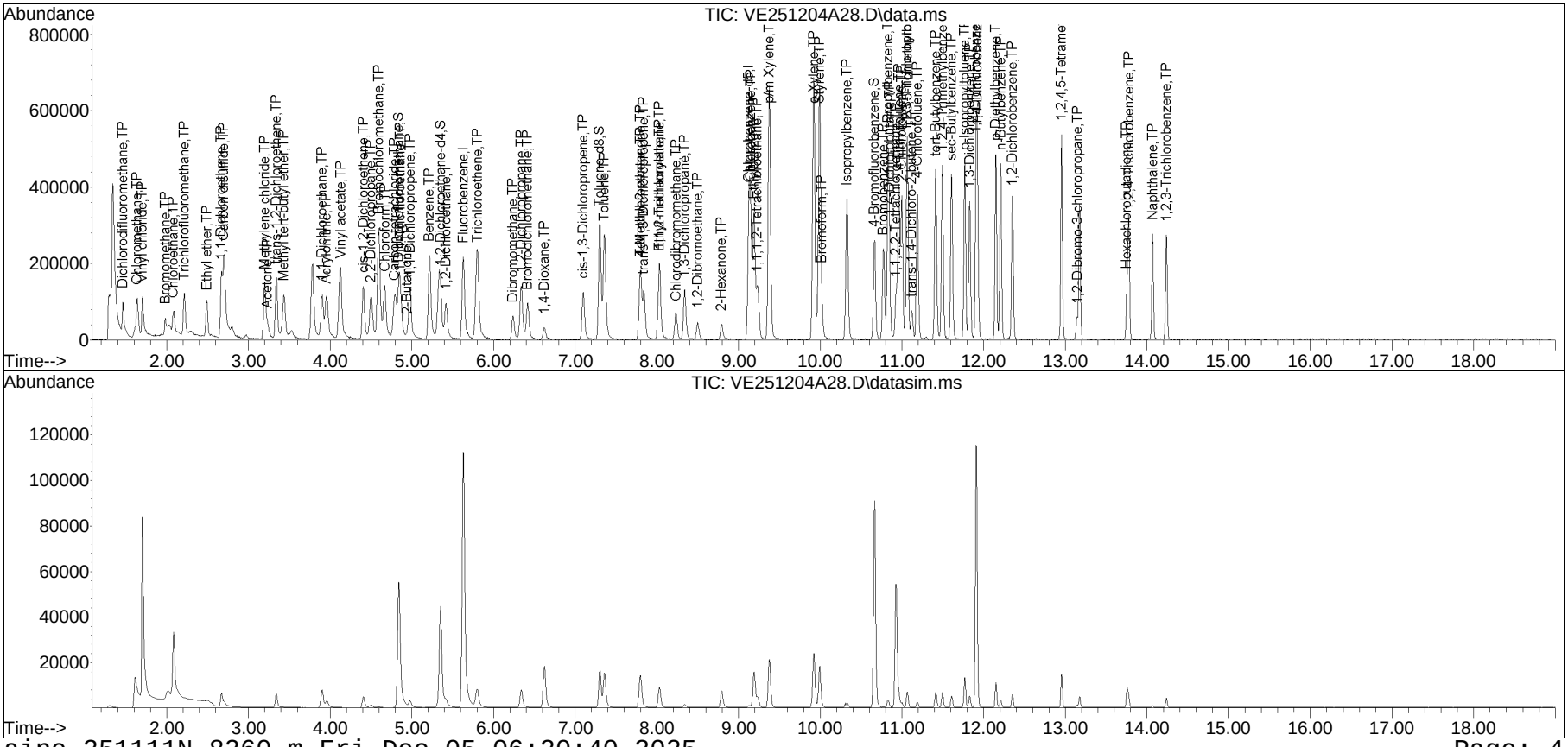
(#) = qualifier out of range (m) = manual integration (+) = signals summed

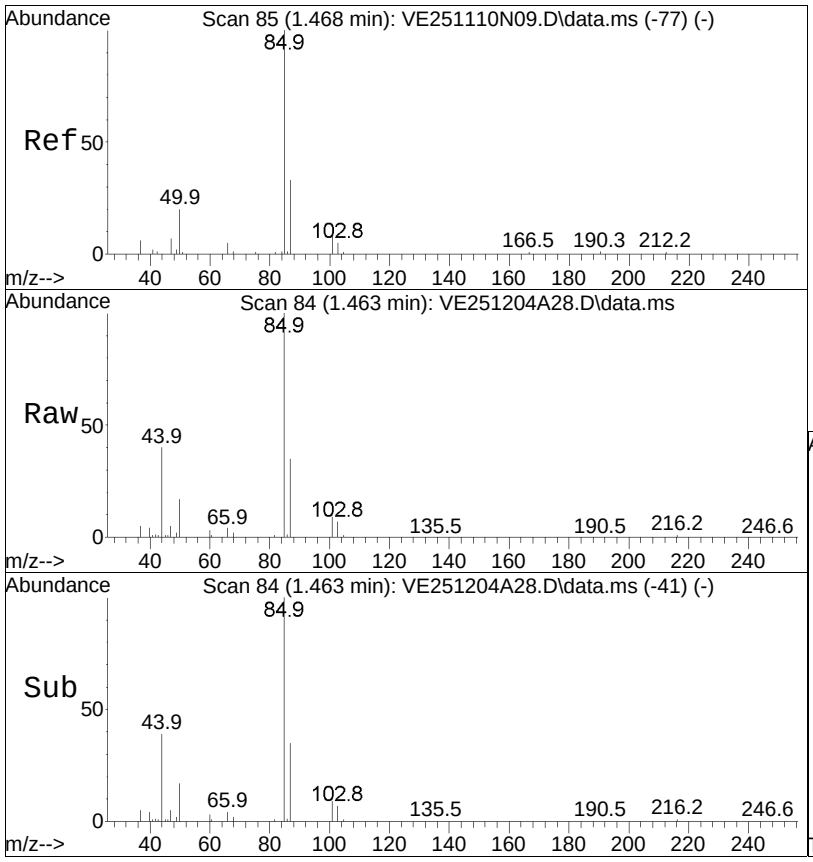
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A28.D
Acq On : 4 Dec 2025 6:28 pm
Operator : ELAINE:MJV
Sample : WG2149663-8,31,10,10,,A1 (Sig #1); L2575144-08MS,31,10,10,,A1 (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 05 06:06:47 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox51204A01.D•

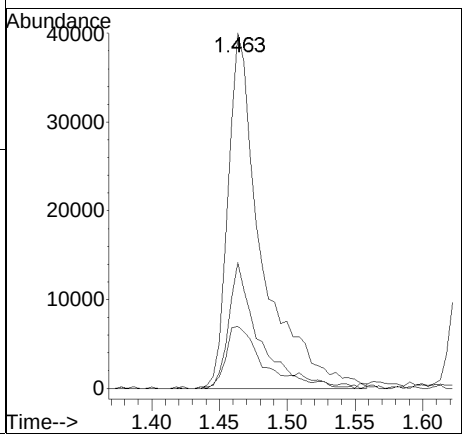


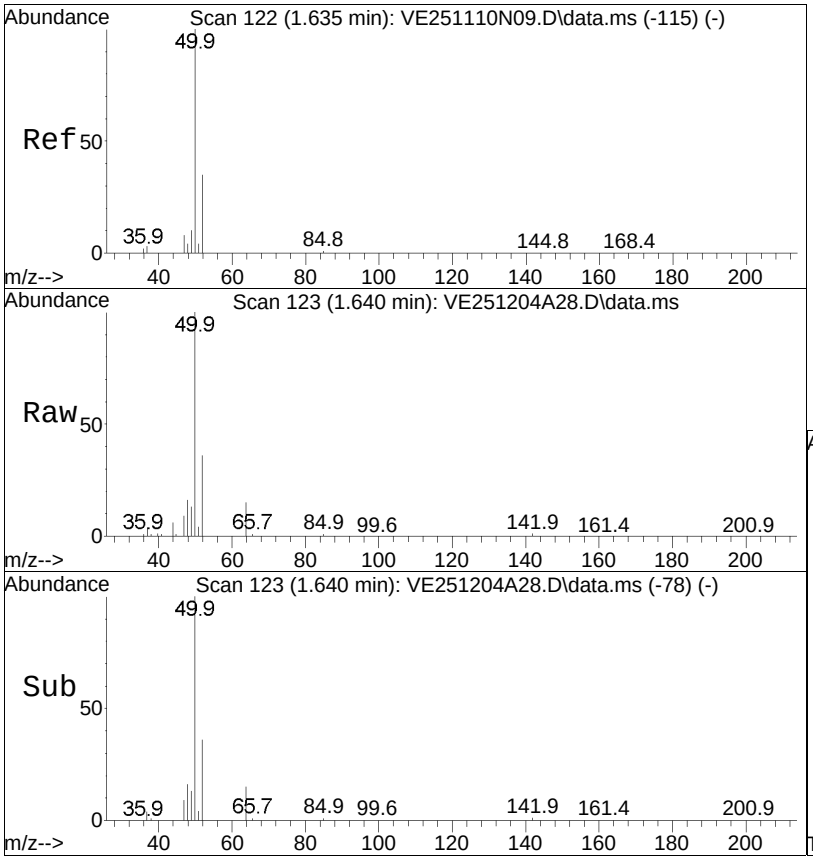


#2
Dichlorodifluoromethane
Concen: 10.51 ug/L
RT: 1.463 min Scan# 84
Delta R.T. -0.005 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 85 Resp: 69520

Ion	Ratio	Lower	Upper
85	100		
87	32.3	20.6	42.8
50	19.9	12.9	26.9

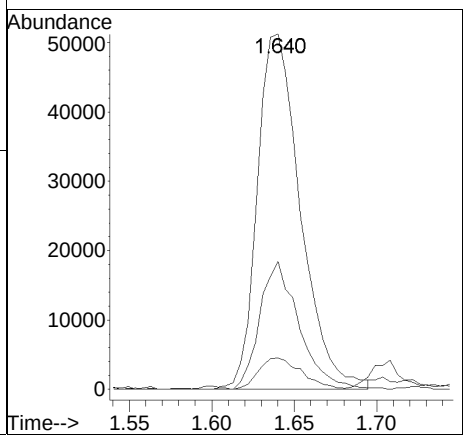


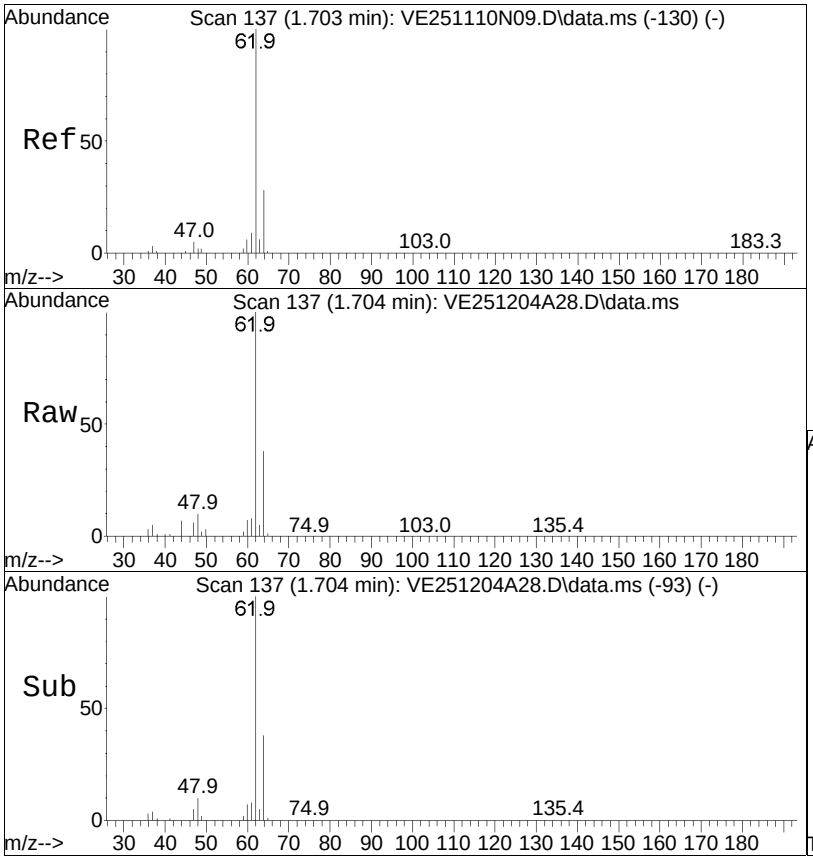


#3
Chloromethane
Concen: 10.58 ug/L
RT: 1.640 min Scan# 123
Delta R.T. 0.005 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 50 Resp: 93613

Ion	Ratio	Lower	Upper
50	100		
52	32.8	13.7	53.7
47	9.0	0.0	27.6

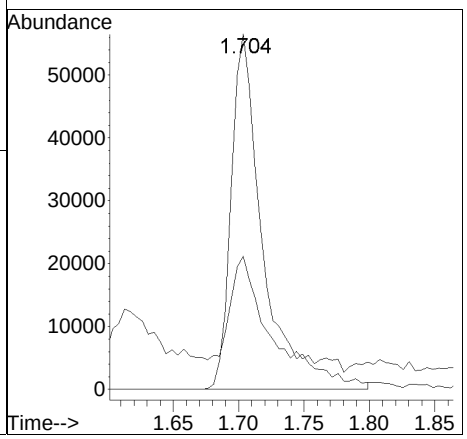


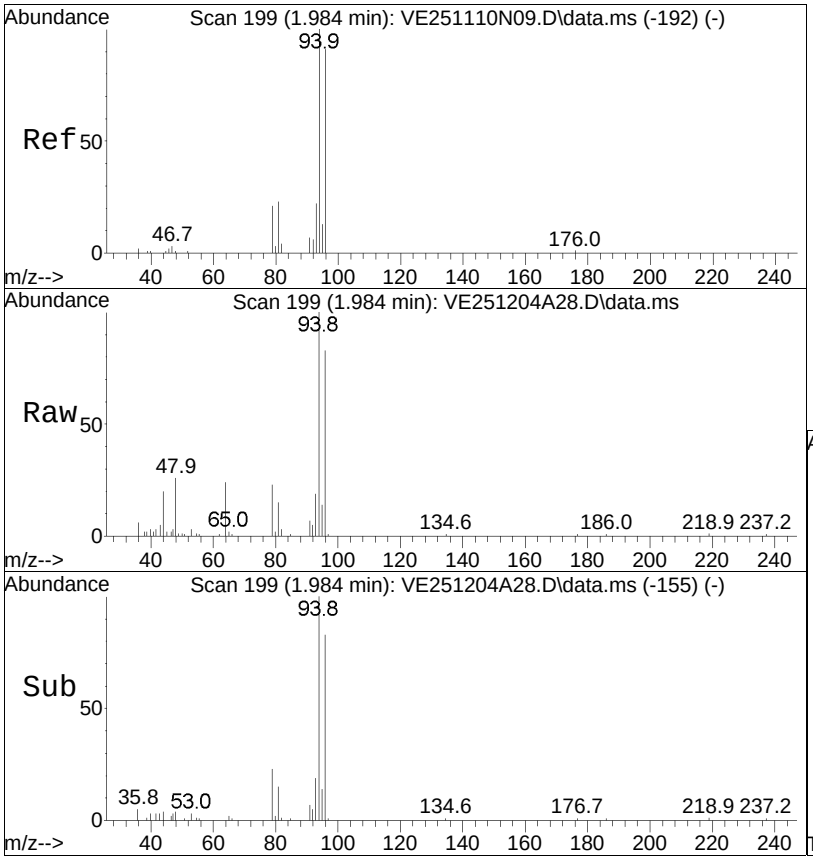


#4
Vinyl chloride
Concen: 13.98 ug/L
RT: 1.704 min Scan# 137
Delta R.T. 0.001 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 62 Resp: 96284

Ion	Ratio	Lower	Upper
62	100		
64	32.8	10.6	50.6

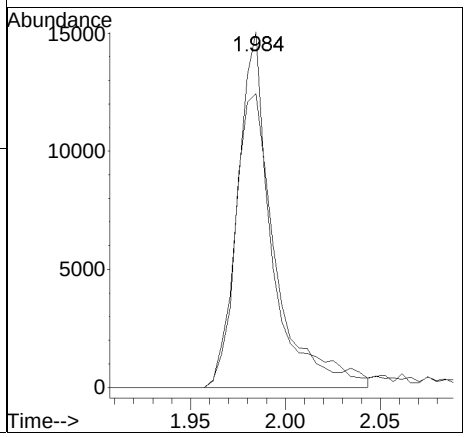


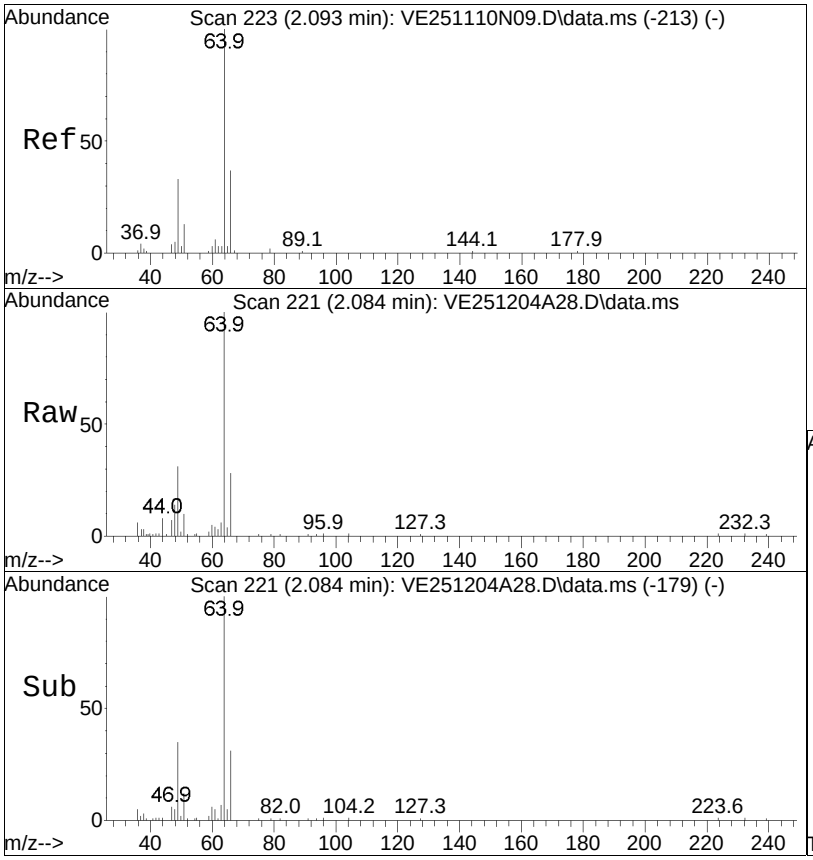


#5
Bromomethane
Concen: 6.05 ug/L
RT: 1.984 min Scan# 199
Delta R.T. 0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 94 Resp: 19082

Ion	Ratio	Lower	Upper
94	100		
96	94.1	71.9	111.9

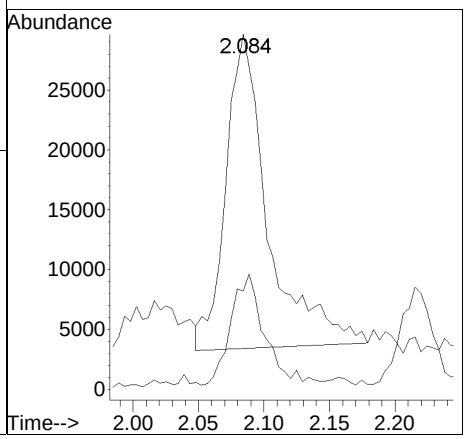


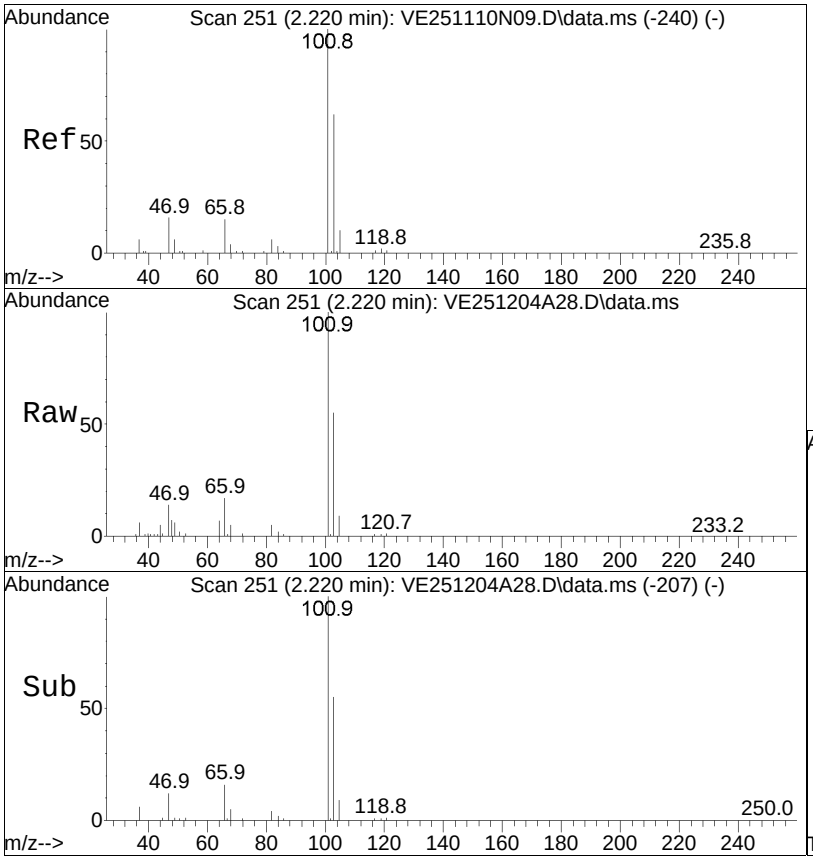


#6
Chloroethane
Concen: 13.14 ug/L
RT: 2.084 min Scan# 221
Delta R.T. -0.009 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 64 Resp: 58944

Ion	Ratio	Lower	Upper
64	100		
66	28.5	12.2	52.2

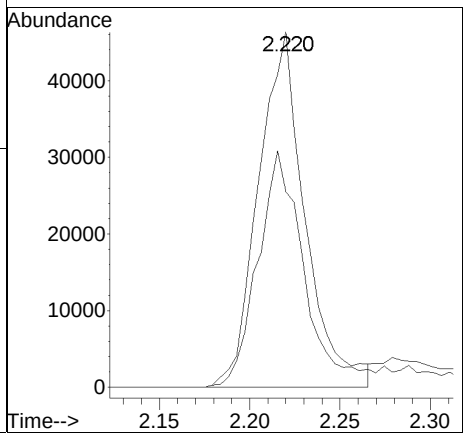


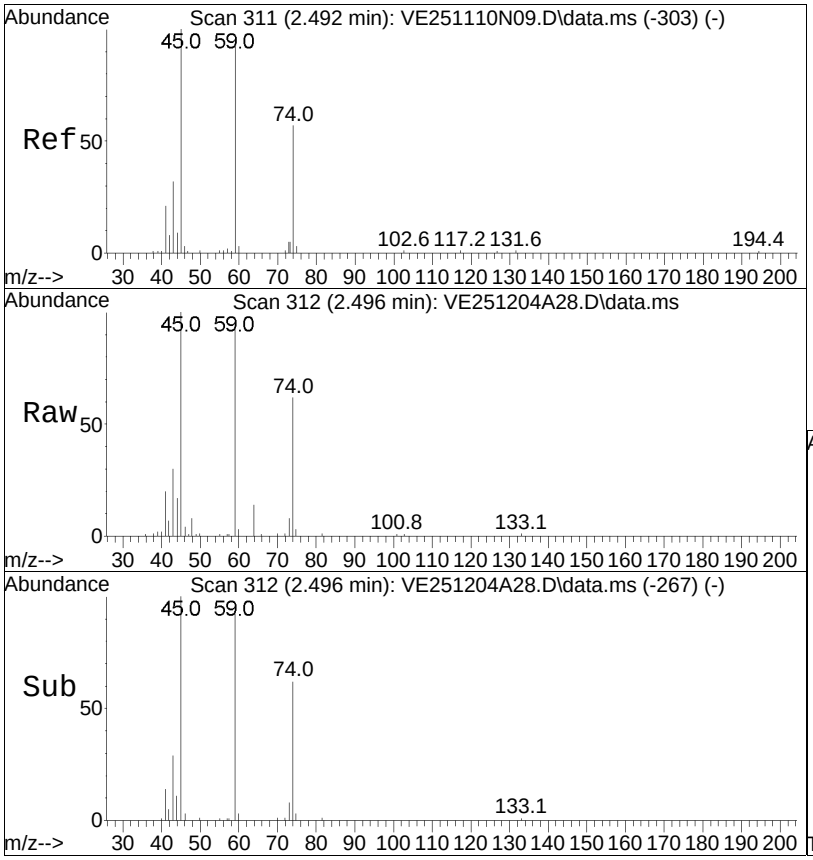


#7
Trichlorofluoromethane
Concen: 10.21 ug/L
RT: 2.220 min Scan# 251
Delta R.T. -0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:101 Resp: 83233

Ion	Ratio	Lower	Upper
101	100		
103	66.4	49.4	74.0

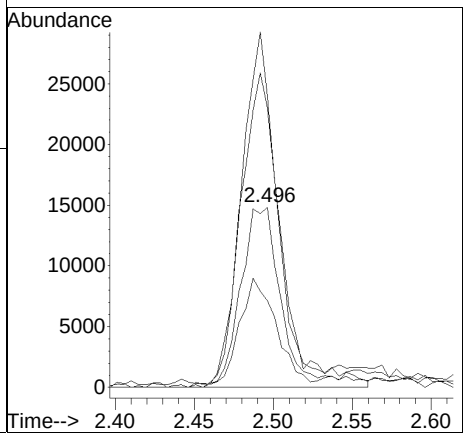


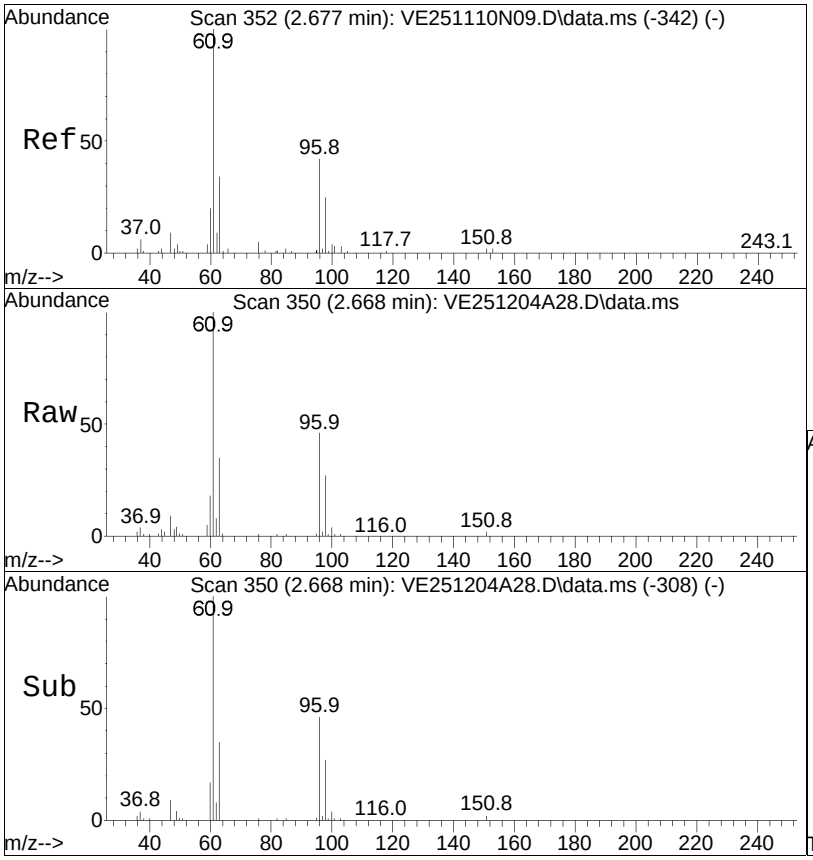


#8
Ethyl ether
Concen: 10.09 ug/L
RT: 2.496 min Scan# 312
Delta R.T. 0.004 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 74 Resp: 26898

Ion	Ratio	Lower	Upper
74	100		
59	163.8	114.5	237.9
45	171.7	120.8	250.8
43	51.4	42.9	89.1

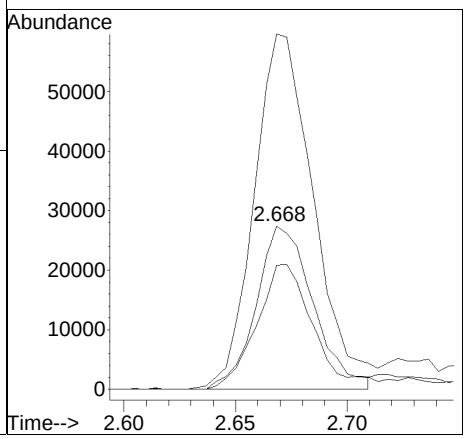


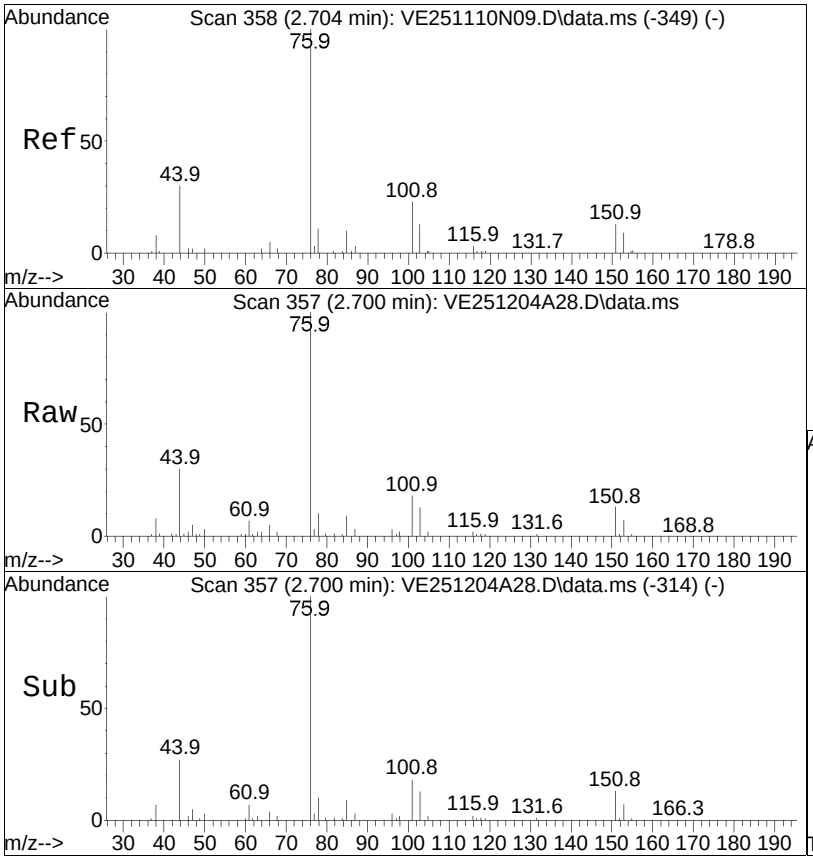


#10
1,1-Dichloroethene
Concen: 10.79 ug/L
RT: 2.668 min Scan# 350
Delta R.T. -0.009 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 96 Resp: 48566

Ion	Ratio	Lower	Upper
96	100		
61	228.0	190.2	285.2
63	76.4	59.9	89.9

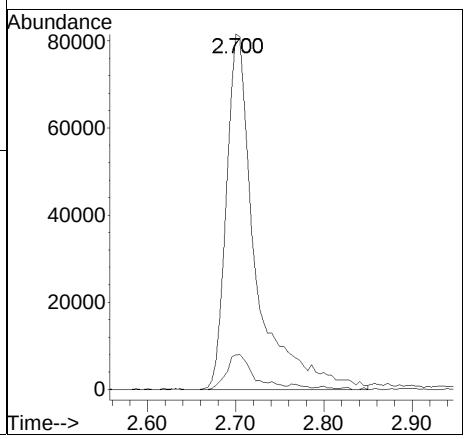


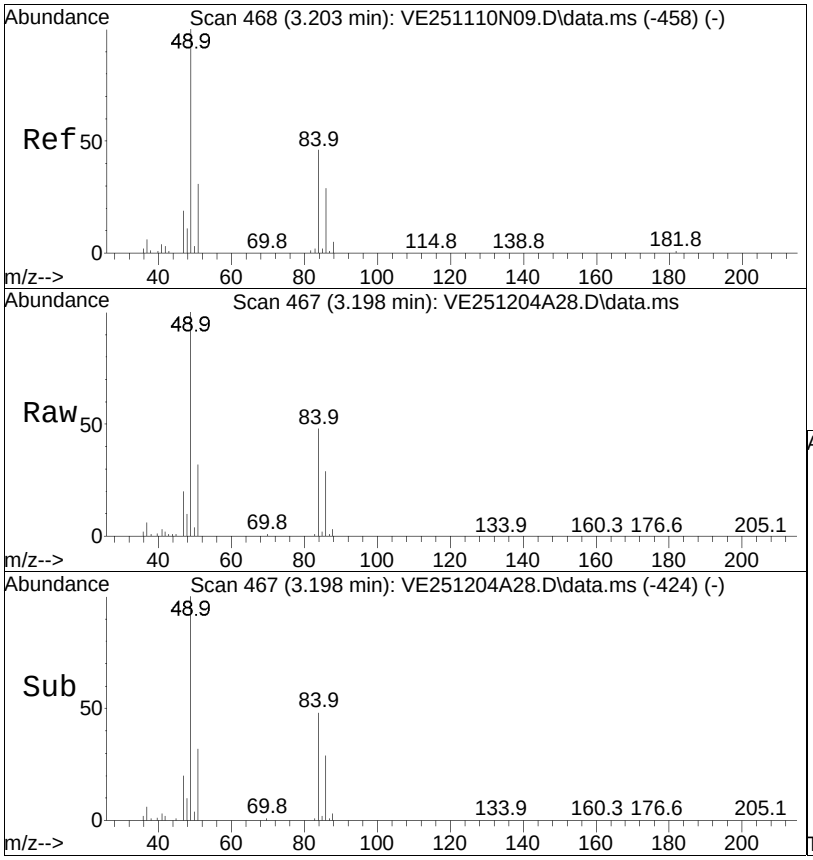


#11
Carbon disulfide
Concen: 12.34 ug/L
RT: 2.700 min Scan# 357
Delta R.T. -0.004 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 76 Resp: 188057

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.6	13.8

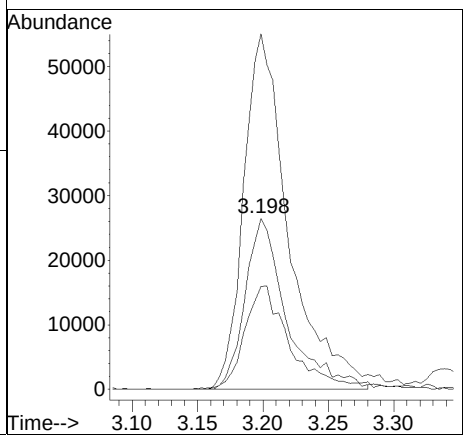


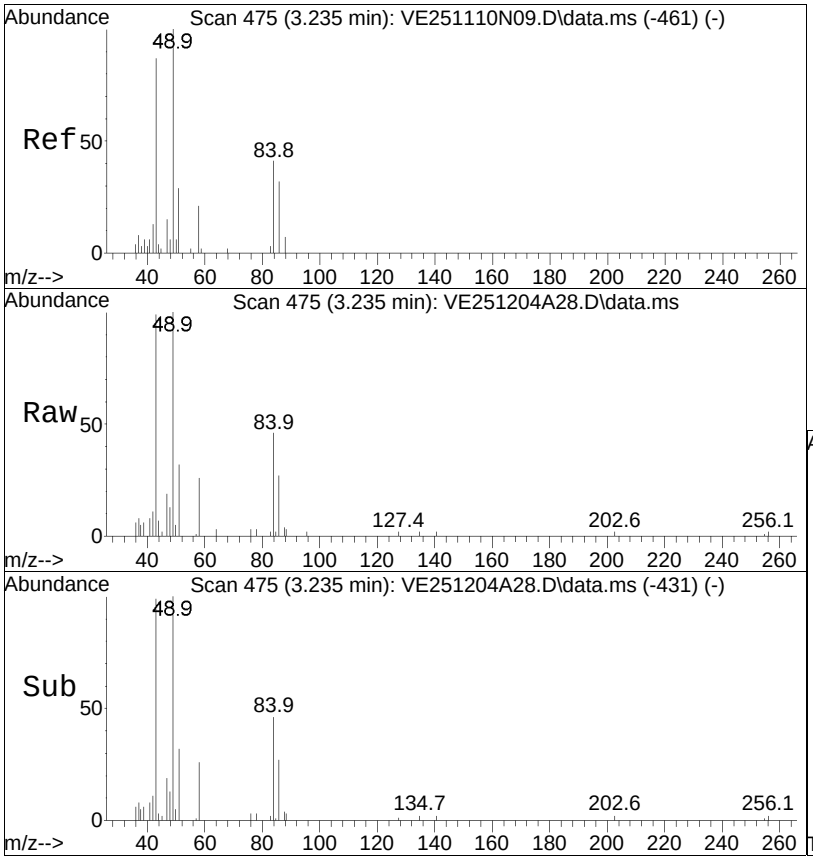


#15
Methylene chloride
Concen: 10.75 ug/L
RT: 3.198 min Scan# 467
Delta R.T. -0.005 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 84 Resp: 58885

Ion	Ratio	Lower	Upper
84	100		
86	67.3	41.8	86.8
49	229.1	141.8	294.6

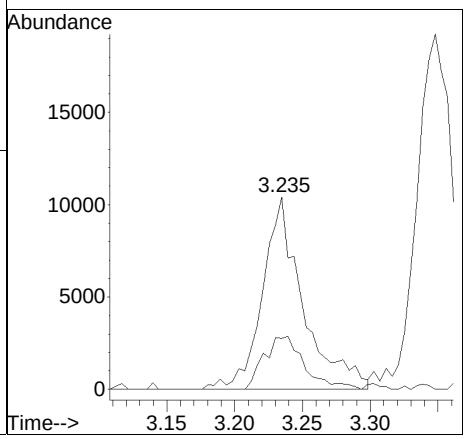


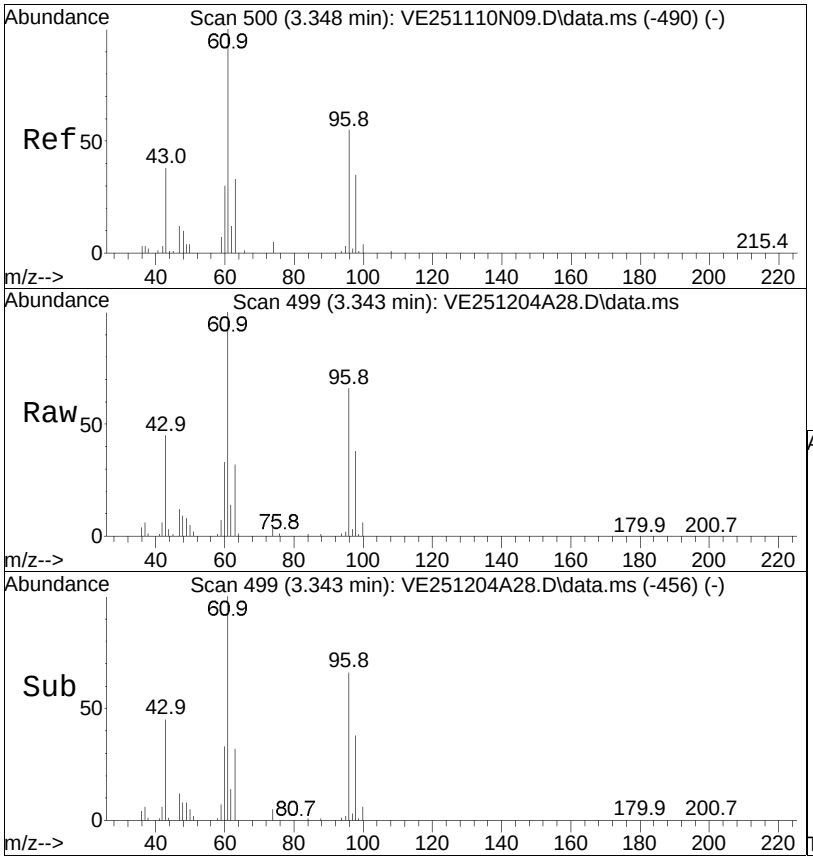


#17
Acetone
Concen: 12.28 ug/L
RT: 3.235 min Scan# 475
Delta R.T. -0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 43 Resp: 21743

Ion	Ratio	Lower	Upper
43	100		
58	27.5	16.2	24.4#

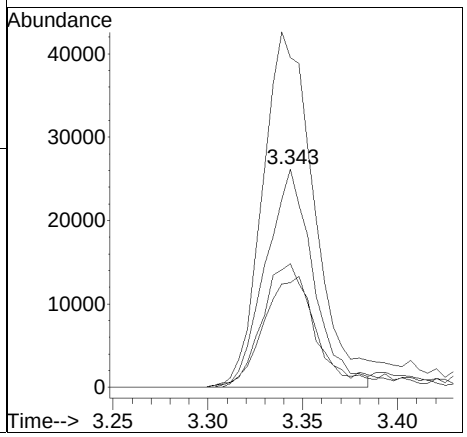


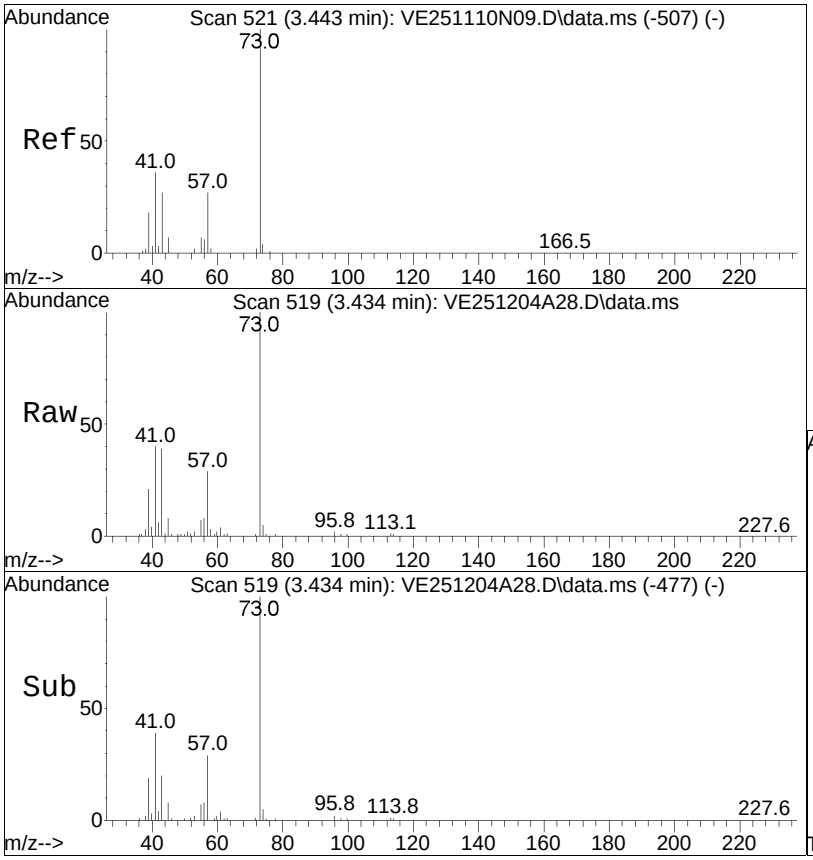


#18
trans-1,2-Dichloroethene
Concen: 10.72 ug/L
RT: 3.343 min Scan# 499
Delta R.T. -0.005 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 96 Resp: 46051

Ion	Ratio	Lower	Upper
96	100		
61	187.6	118.2	245.6
98	59.6	41.9	86.9
63	56.6	39.4	81.8

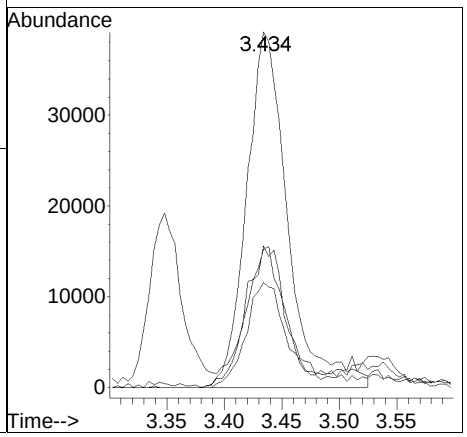


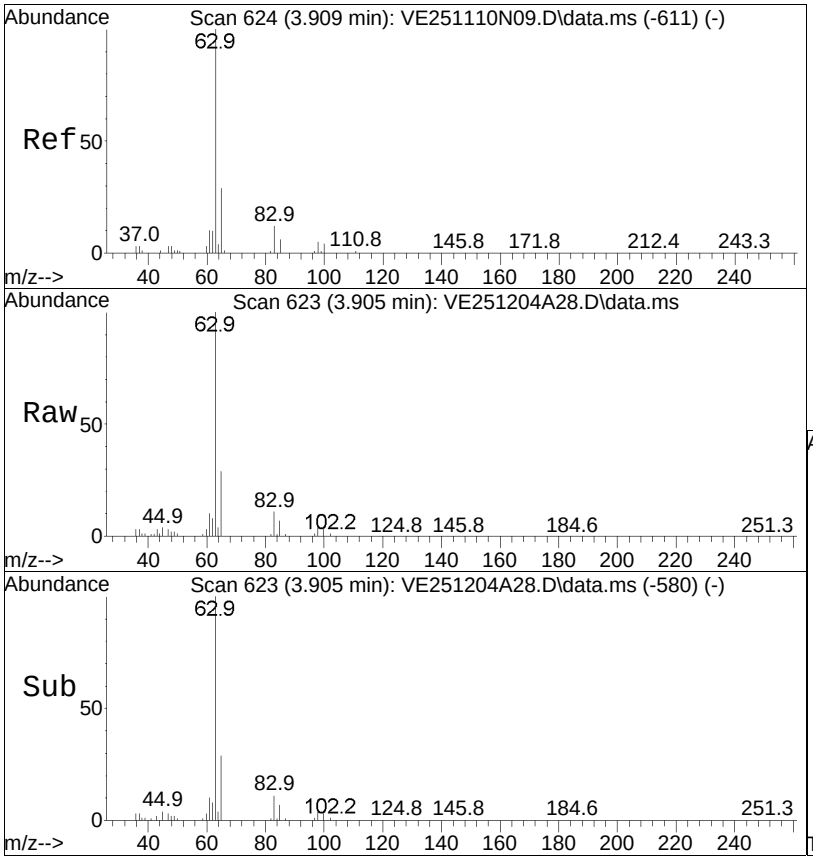


#21
Methyl tert-butyl ether
Concen: 9.78 ug/L
RT: 3.434 min Scan# 519
Delta R.T. -0.009 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 73 Resp: 97698

Ion	Ratio	Lower	Upper
73	100		
57	28.8	21.3	44.1
43	32.0	0.0	0.0#
41	39.9	30.0	62.2

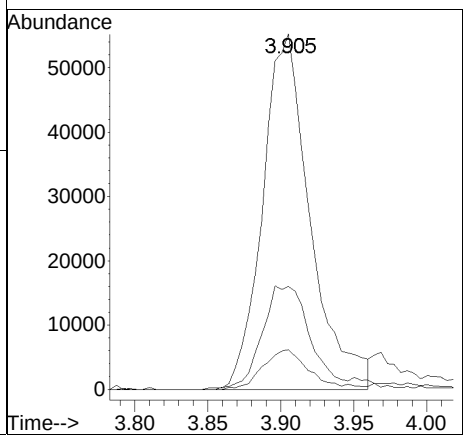


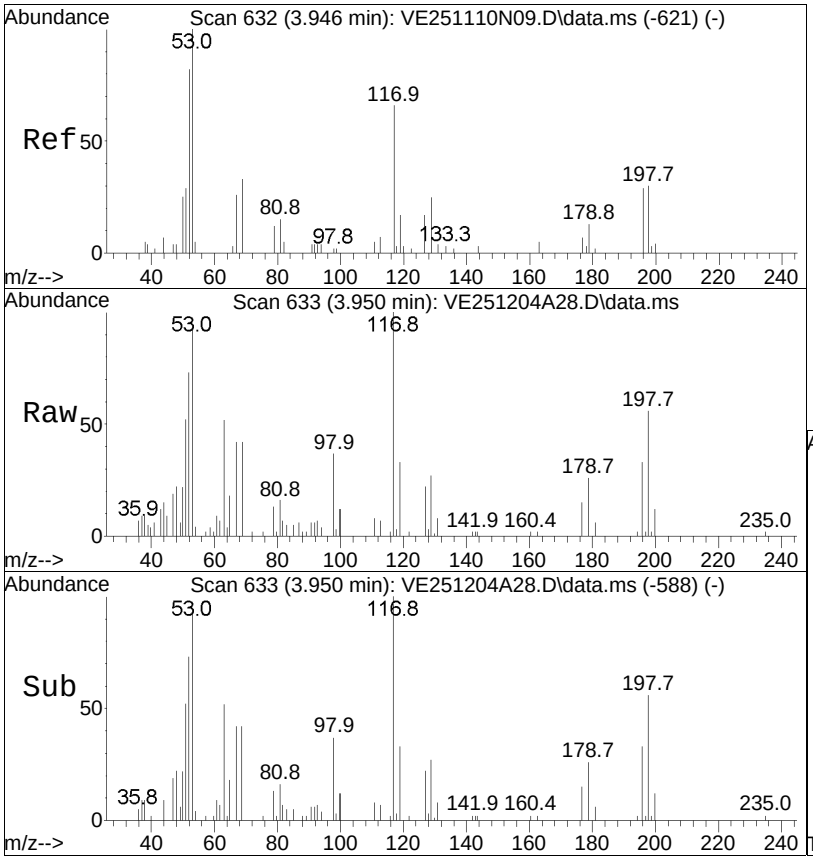


#25
1,1-Dichloroethane
Concen: 10.84 ug/L
RT: 3.905 min Scan# 623
Delta R.T. -0.004 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 63 Resp: 125431

Ion	Ratio	Lower	Upper
63	100		
65	29.3	8.6	48.6
83	11.0	0.0	30.7

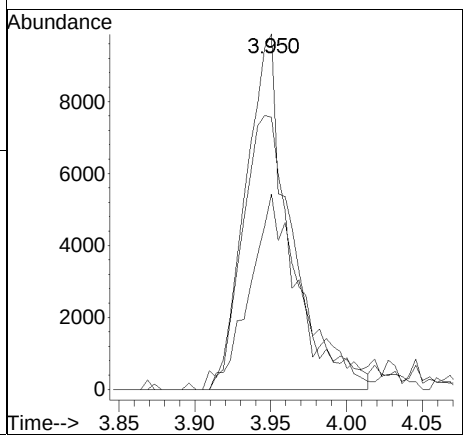


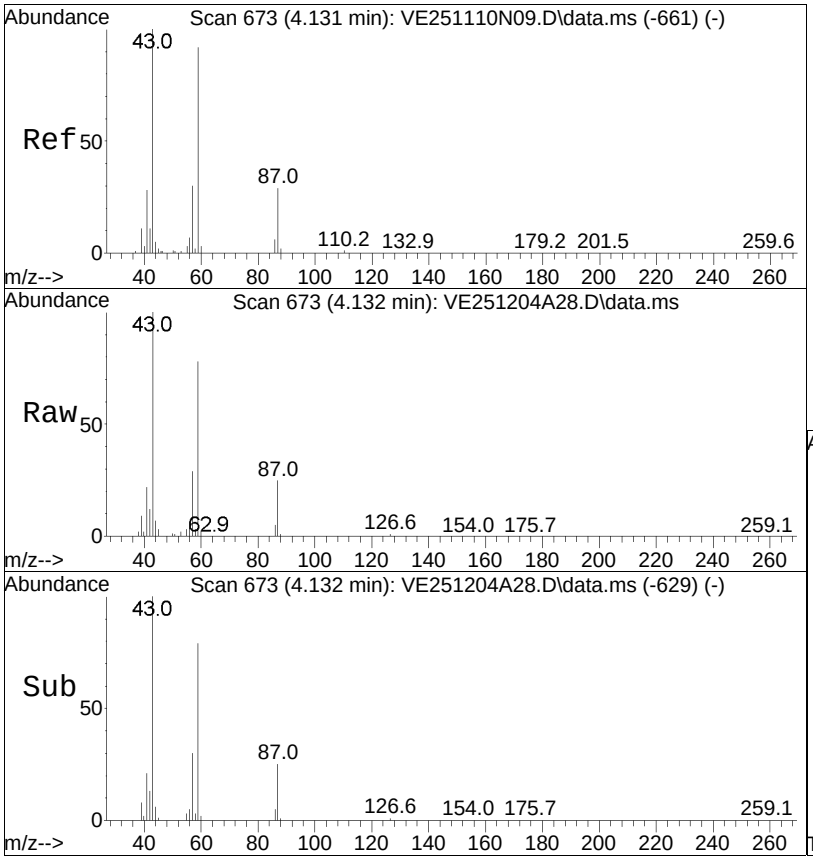


#27
Acrylonitrile
Concen: 10.77 ug/L
RT: 3.950 min Scan# 633
Delta R.T. 0.004 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 53 Resp: 20664

Ion	Ratio	Lower	Upper
53	100		
52	79.6	69.8	104.6
51	61.7	50.4	75.6

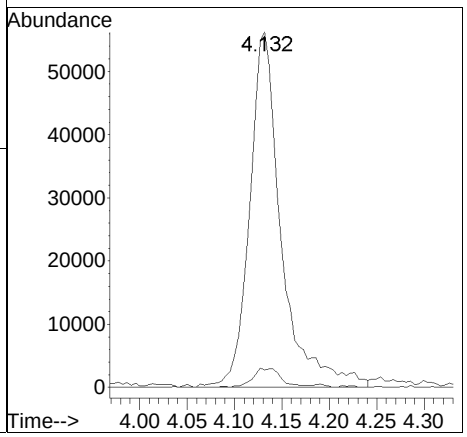


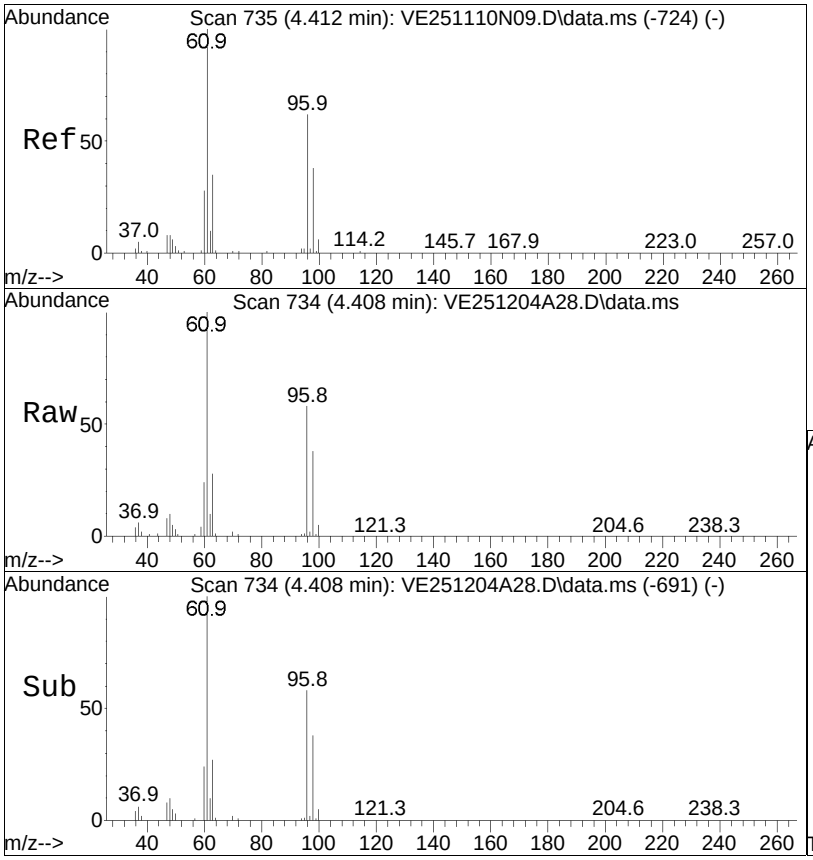


#29
Vinyl acetate
Concen: 9.93 ug/L
RT: 4.132 min Scan# 673
Delta R.T. 0.001 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 43 Resp: 131013

Ion	Ratio	Lower	Upper
43	100		
86	4.8	3.8	5.8

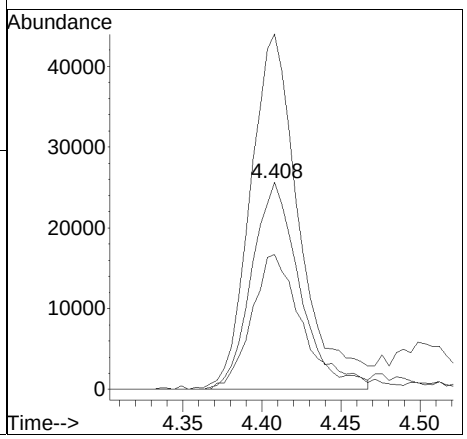


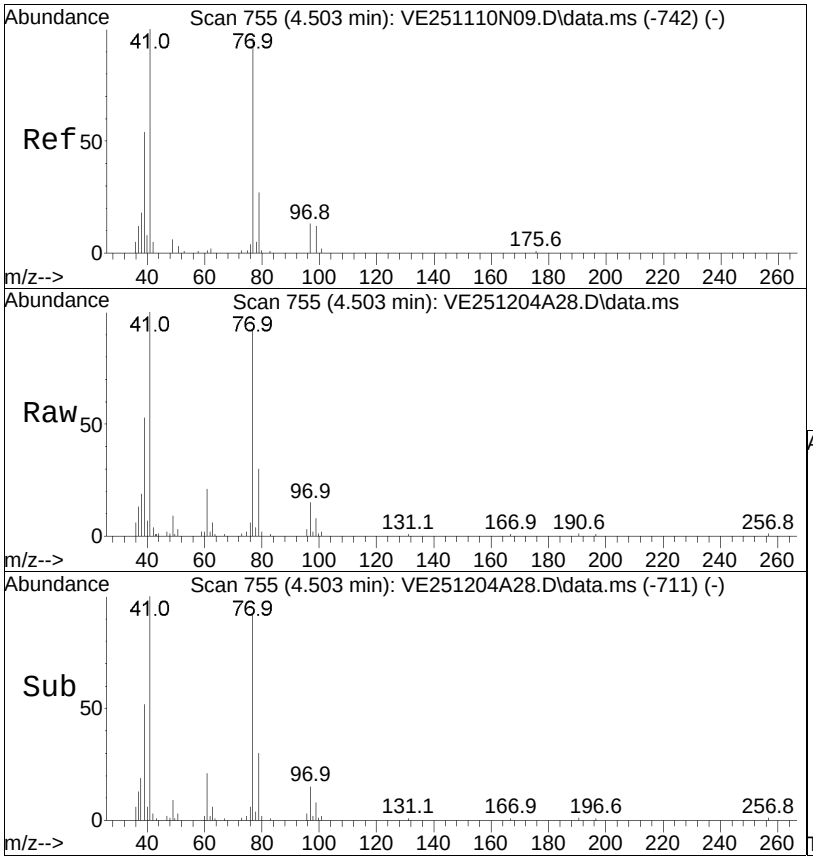


#30
cis-1,2-Dichloroethene
Concen: 10.62 ug/L
RT: 4.408 min Scan# 734
Delta R.T. -0.004 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 96 Resp: 54763

Ion	Ratio	Lower	Upper
96	100		
61	173.9	153.3	229.9
98	70.0	52.8	79.2

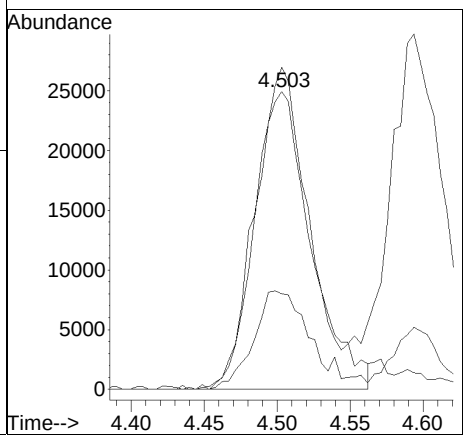


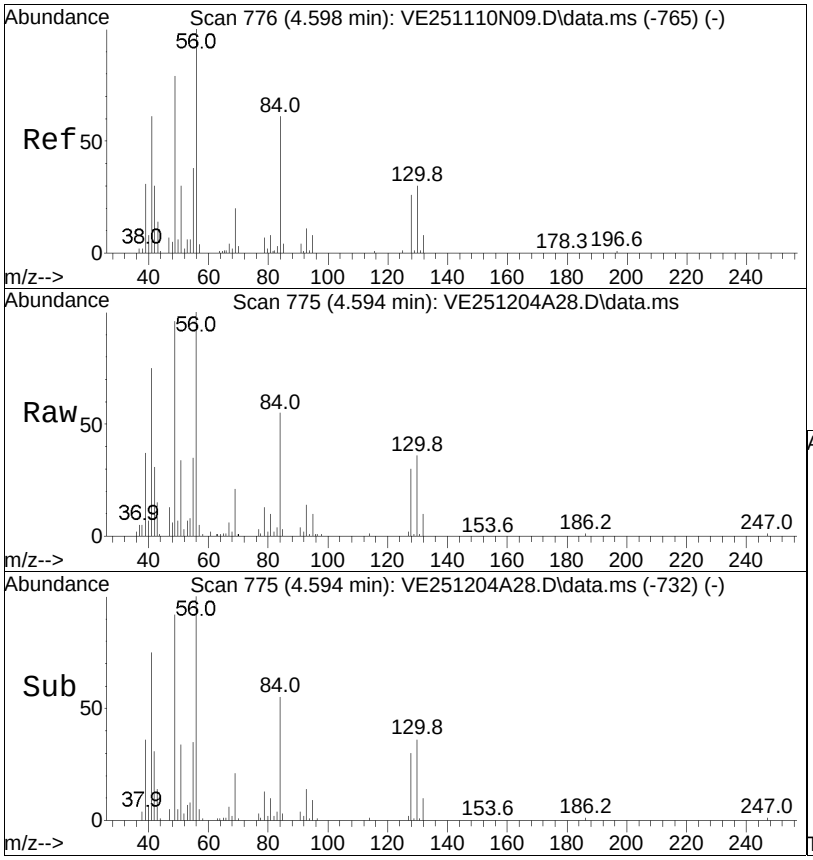


#31
2,2-Dichloropropane
Concen: 9.18 ug/L
RT: 4.503 min Scan# 755
Delta R.T. 0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 77 Resp: 66876

Ion	Ratio	Lower	Upper
77	100		
41	101.6	64.5	134.1
79	32.8	20.8	43.2

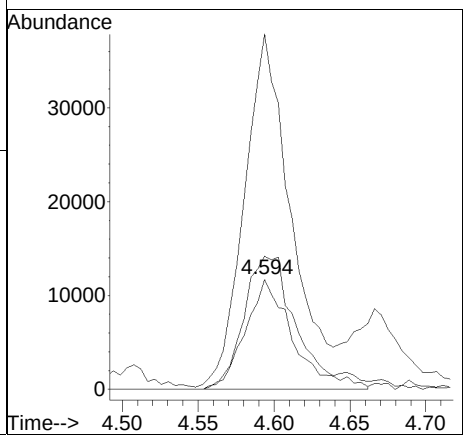


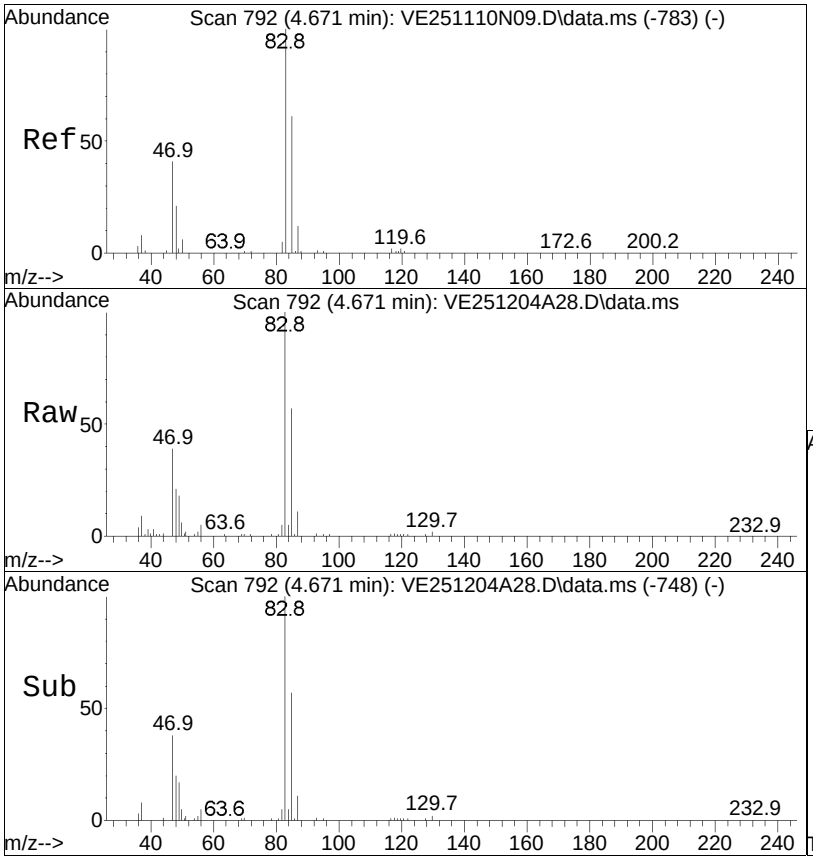


#33
Bromochloromethane
Concen: 11.34 ug/L
RT: 4.594 min Scan# 775
Delta R.T. -0.004 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:128 Resp: 25676

Ion	Ratio	Lower	Upper
128	100		
49	309.8	295.7	443.5
130	128.6	101.9	152.9

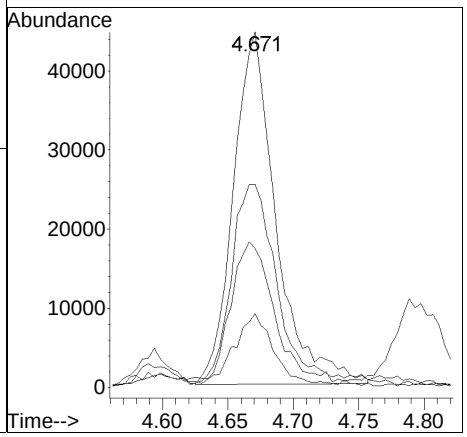


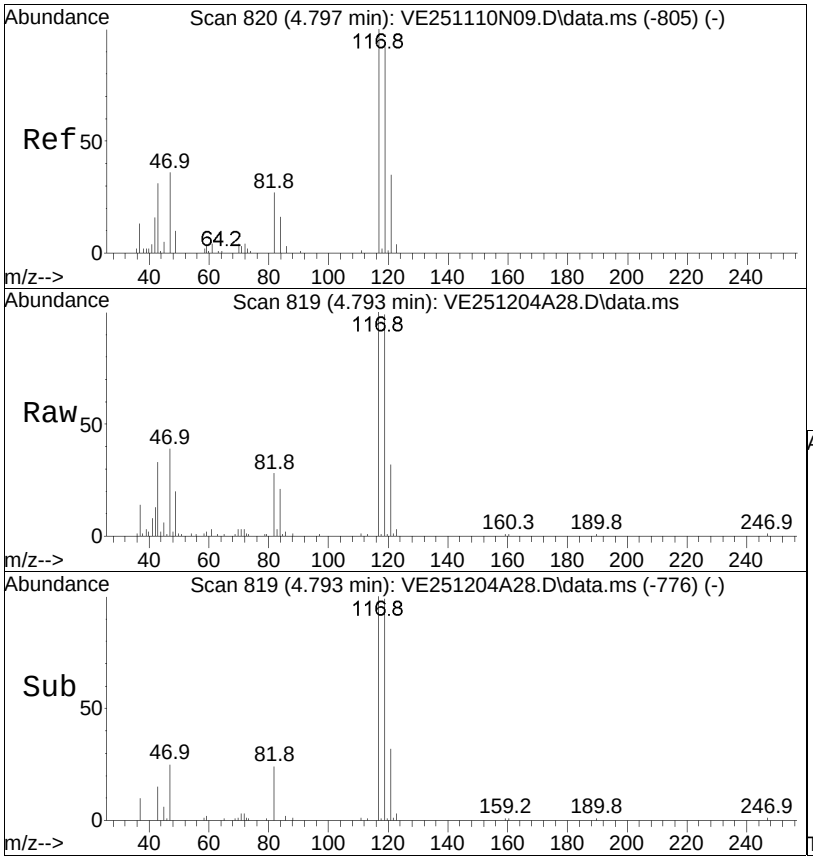


#35
Chloroform
Concen: 11.00 ug/L
RT: 4.671 min Scan# 792
Delta R.T. -0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 83 Resp: 101117

Ion	Ratio	Lower	Upper
83	100		
85	60.6	42.4	88.2
47	39.6	23.7	49.3
48	19.5	14.4	29.8

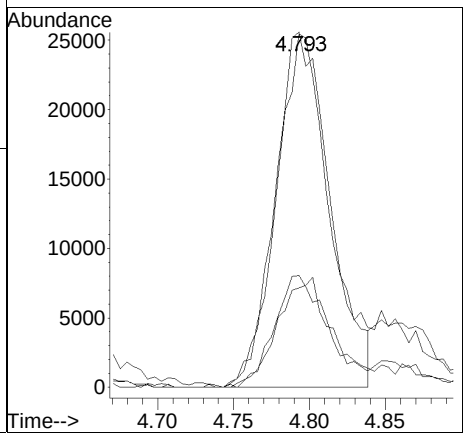


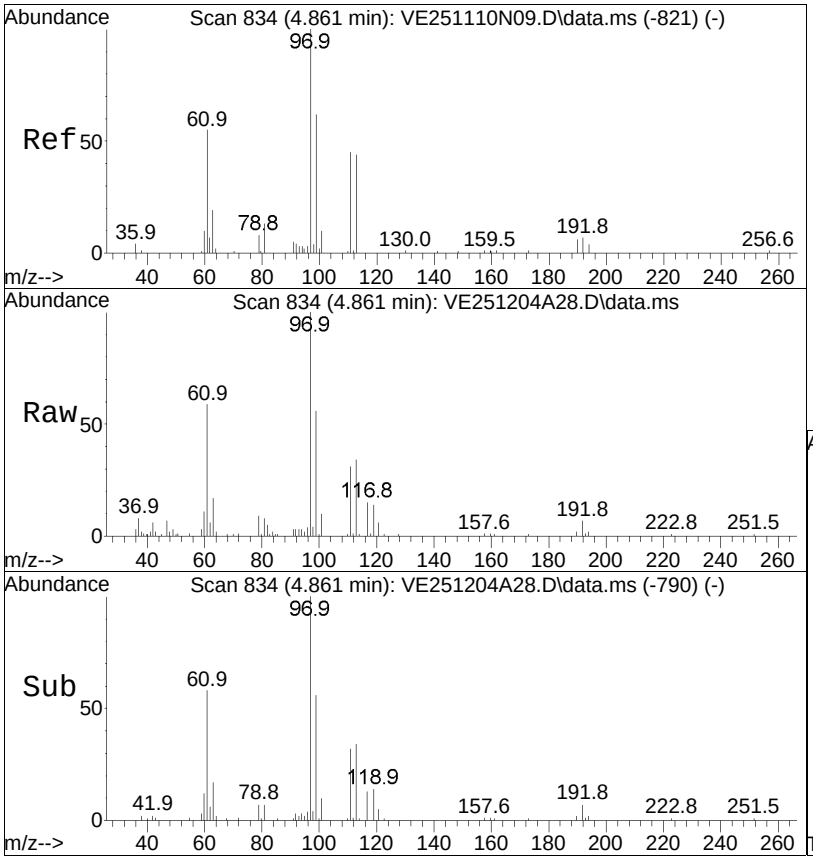


#37
Carbon tetrachloride
Concen: 11.74 ug/L
RT: 4.793 min Scan# 819
Delta R.T. -0.004 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:117 Resp: 64758

Ion	Ratio	Lower	Upper
117	100		
119	97.8	74.8	155.4
121	31.9	23.5	48.7
82	30.1	22.5	46.7

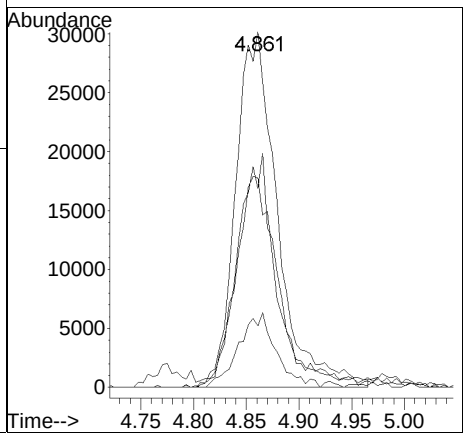


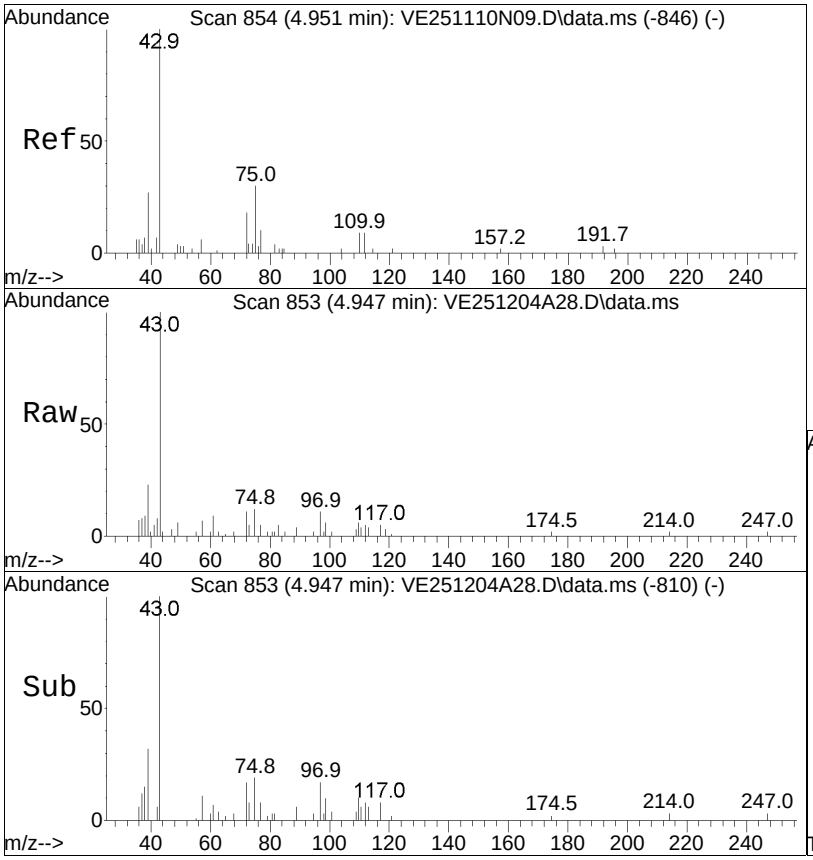


#40
1,1,1-Trichloroethane
Concen: 11.96 ug/L
RT: 4.861 min Scan# 834
Delta R.T. -0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 97 Resp: 83361

Ion	Ratio	Lower	Upper
97	100		
99	62.4	40.7	84.5
61	59.5	40.5	84.1
63	18.7	11.8	24.6

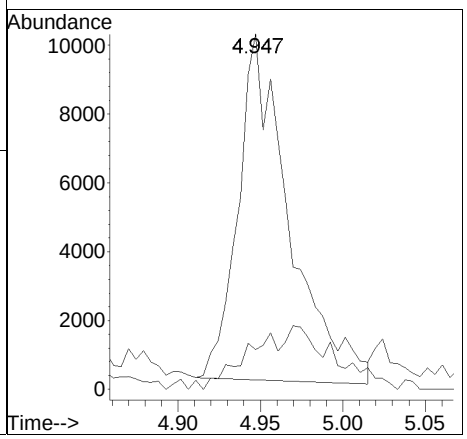


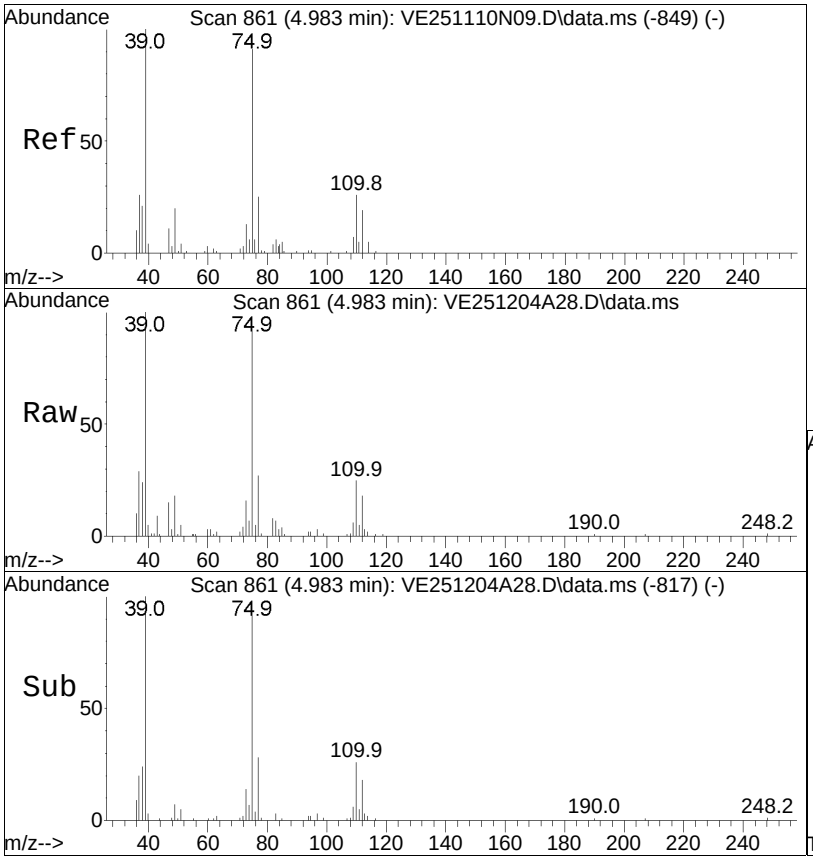


#42
2-Butanone
Concen: 9.77 ug/L
RT: 4.947 min Scan# 853
Delta R.T. -0.004 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 43 Resp: 21691

Ion	Ratio	Lower	Upper
43	100		
72	11.9	22.8	34.2#

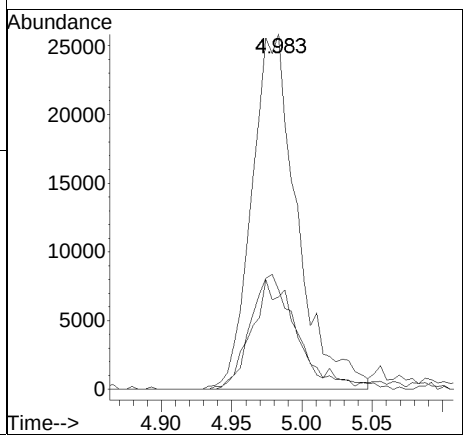


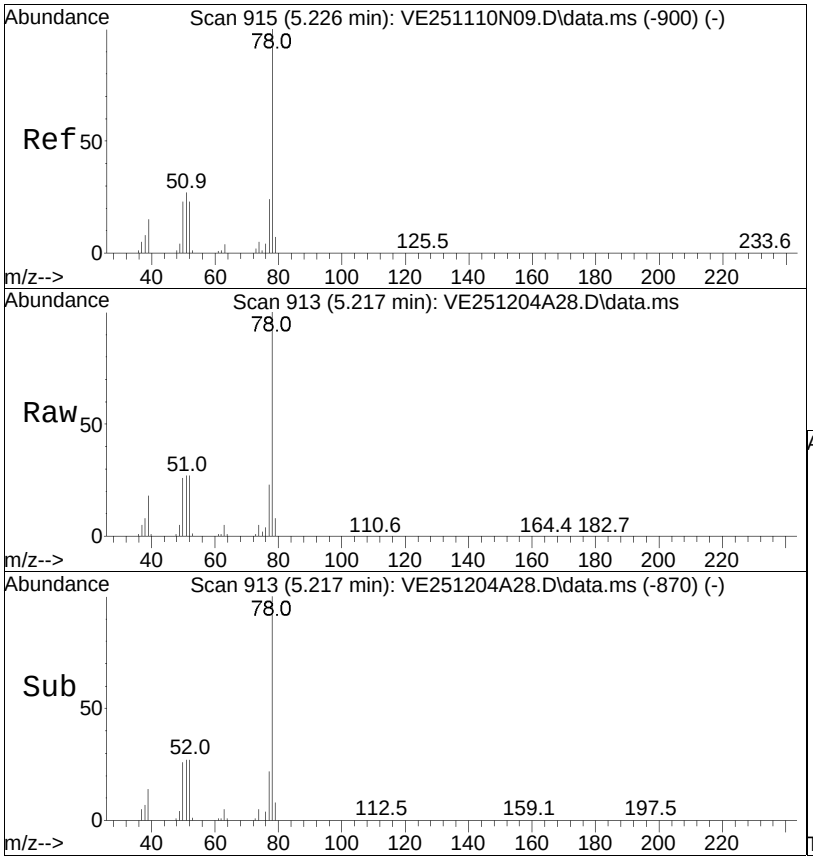


#43
1,1-Dichloropropene
Concen: 9.84 ug/L
RT: 4.983 min Scan# 861
Delta R.T. 0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 75 Resp: 58062

Ion	Ratio	Lower	Upper
75	100		
110	31.1	20.5	42.7
77	30.7	20.0	41.6

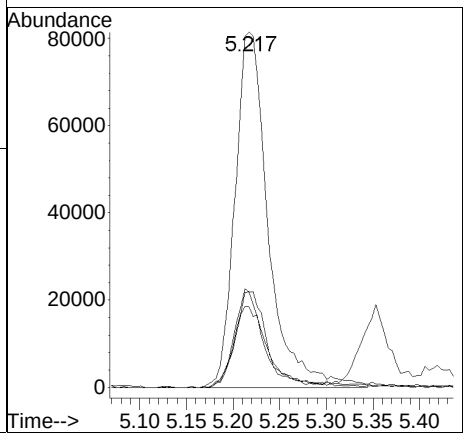


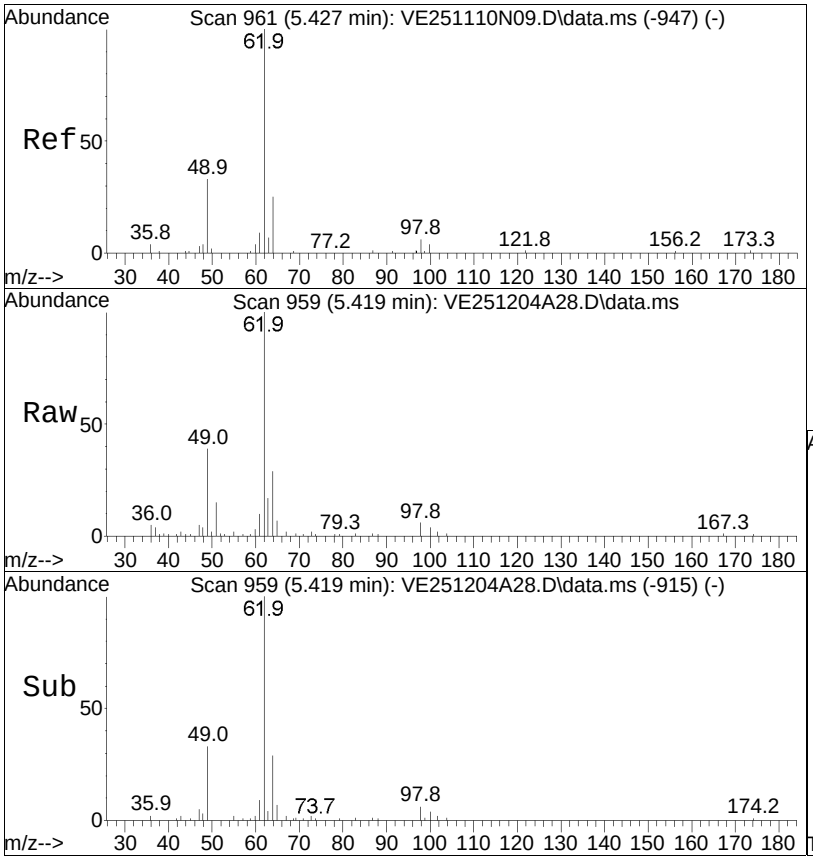


#45
Benzene
Concen: 10.85 ug/L
RT: 5.217 min Scan# 913
Delta R.T. -0.009 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 78 Resp: 203028

Ion	Ratio	Lower	Upper
78	100		
77	21.7	15.7	32.7
51	26.7	17.1	35.5
52	24.2	16.2	33.6

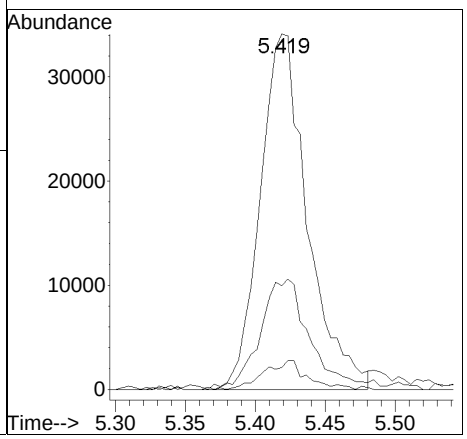


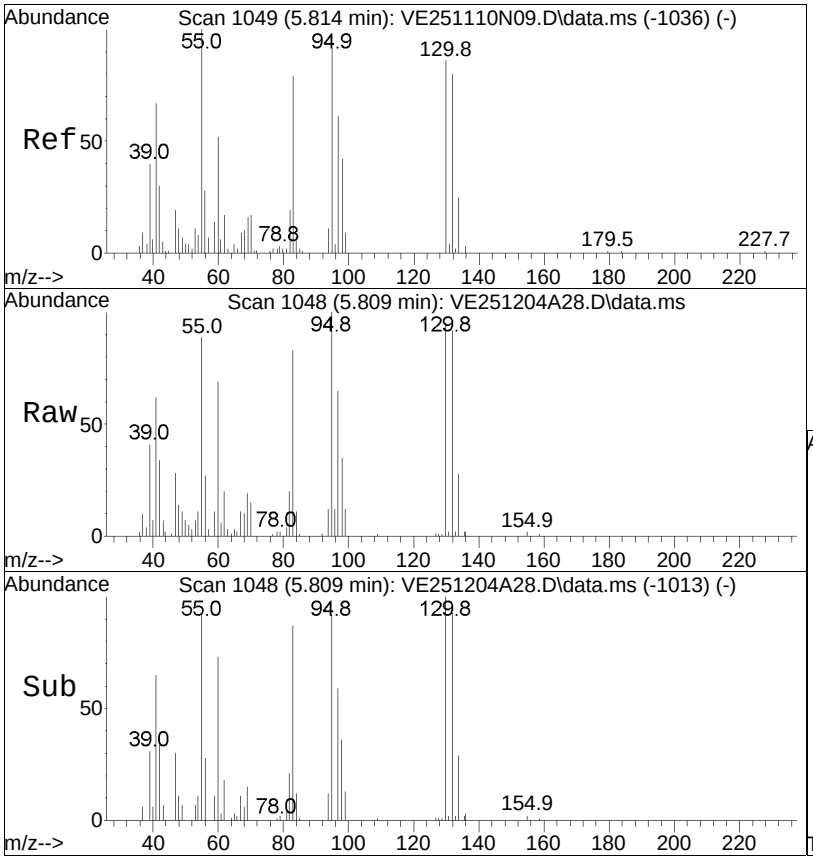


#48
1,2-Dichloroethane
Concen: 10.38 ug/L
RT: 5.419 min Scan# 959
Delta R.T. -0.008 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 62 Resp: 80286

Ion	Ratio	Lower	Upper
62	100		
64	32.9	10.9	50.9
98	7.4	0.0	27.2

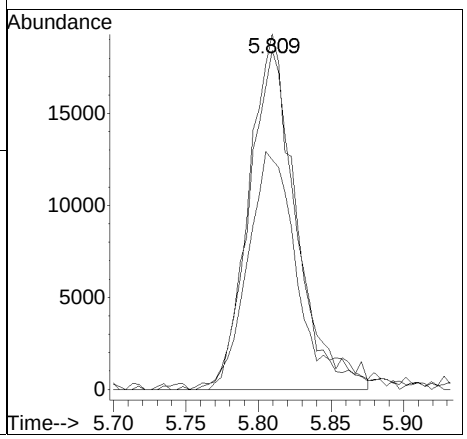


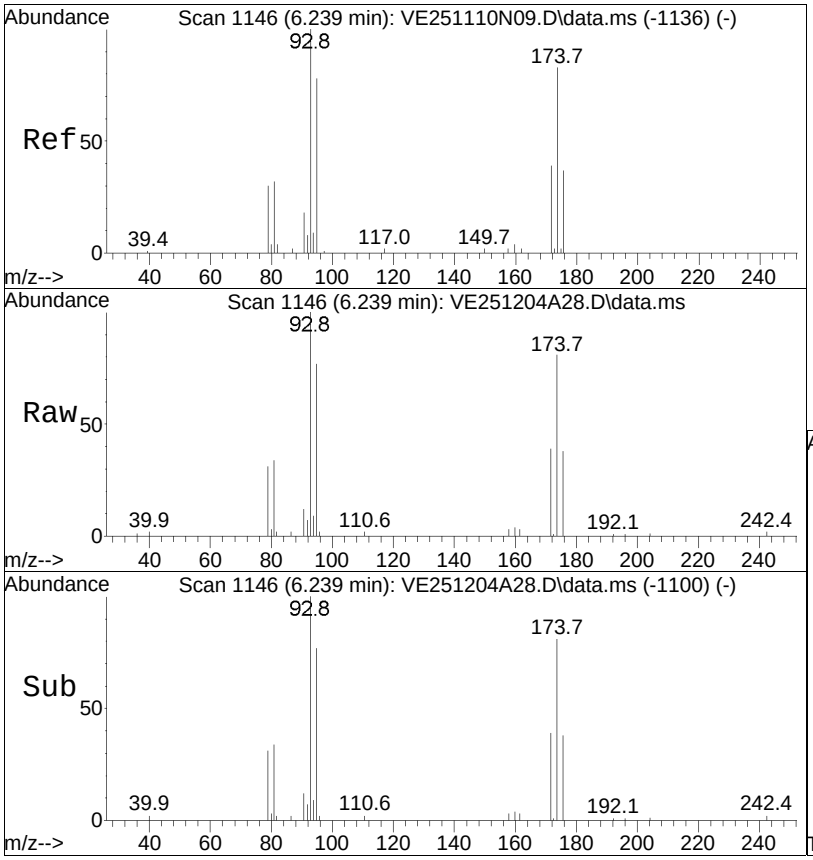


#52
Trichloroethene
Concen: 9.72 ug/L
RT: 5.809 min Scan# 1048
Delta R.T. -0.005 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 95 Resp: 43857

Ion	Ratio	Lower	Upper
95	100		
97	71.6	54.4	81.6
130	96.1	73.7	110.5

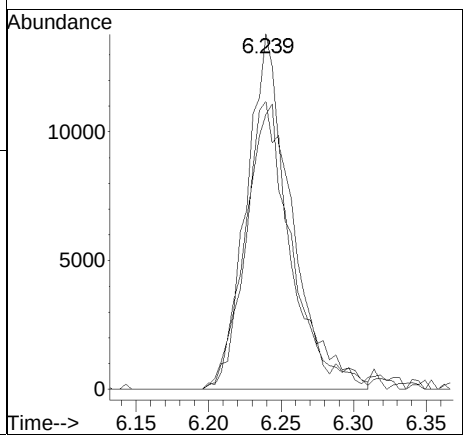


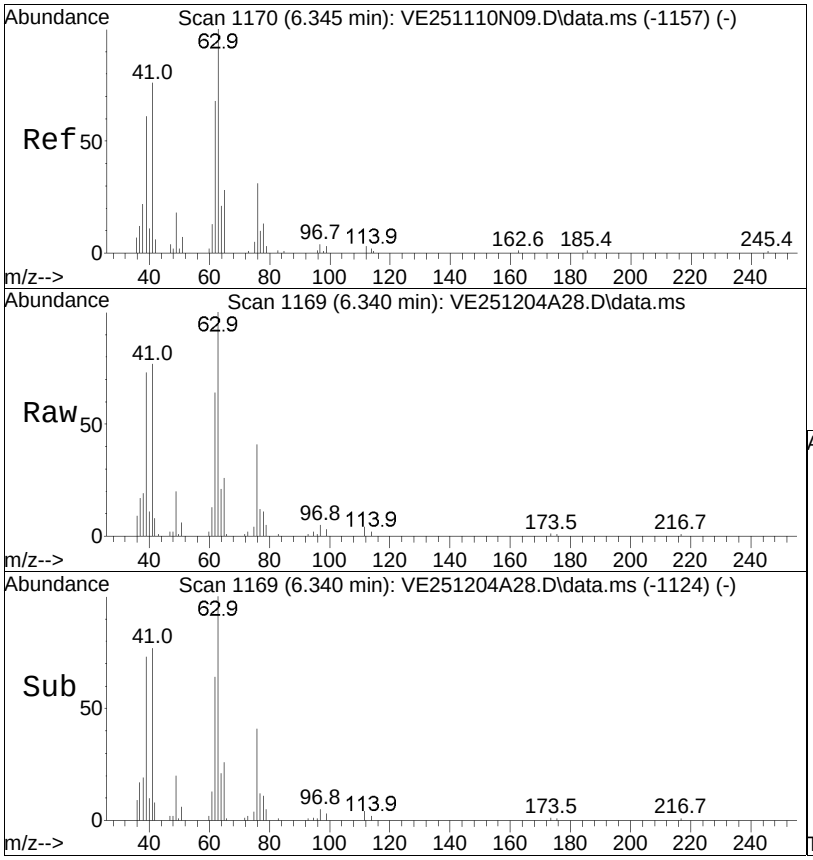


#54
Dibromomethane
Concen: 10.81 ug/L
RT: 6.239 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 93 Resp: 30070

Ion	Ratio	Lower	Upper
93	100		
95	78.4	67.4	101.0
174	82.4	64.7	97.1

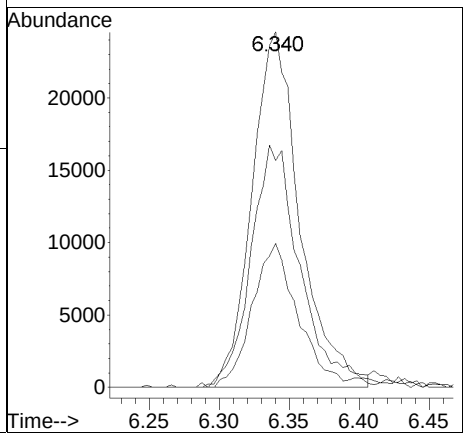


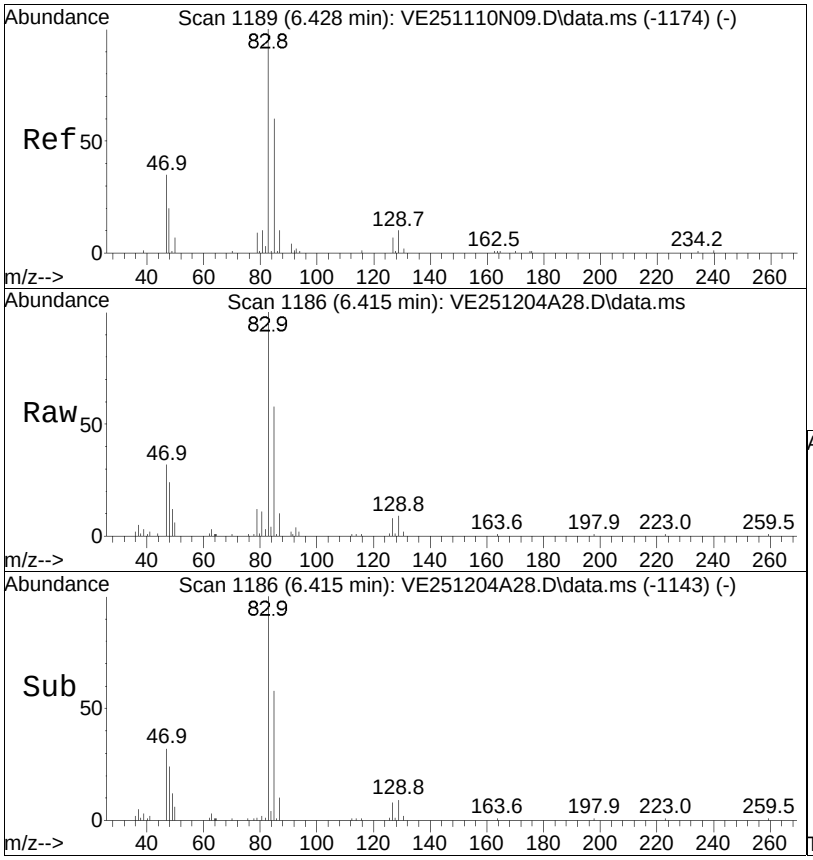


#55
1,2-Dichloropropane
Concen: 9.88 ug/L
RT: 6.340 min Scan# 1169
Delta R.T. -0.005 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 63 Resp: 58595

Ion	Ratio	Lower	Upper
63	100		
62	70.3	57.2	85.8
76	38.7	28.4	42.6

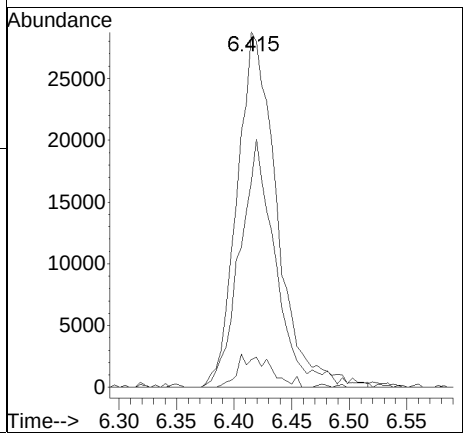


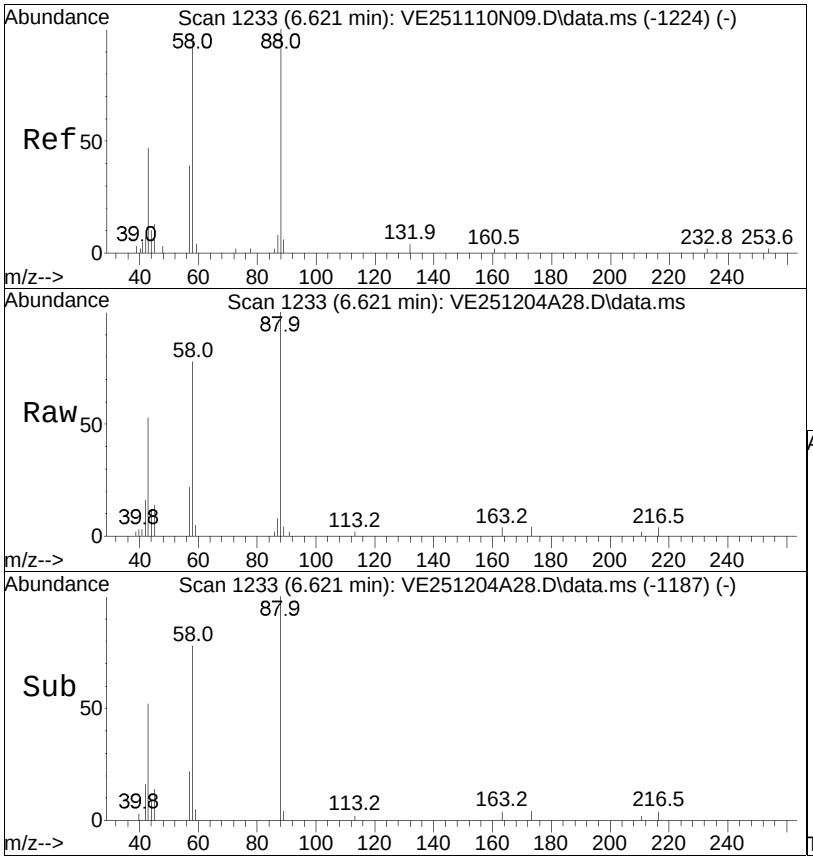


#58
Bromodichloromethane
Concen: 10.81 ug/L
RT: 6.415 min Scan# 1186
Delta R.T. -0.013 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 83 Resp: 69427

Ion	Ratio	Lower	Upper
83	100		
85	63.6	53.9	80.9
127	3.4	6.2	9.4#

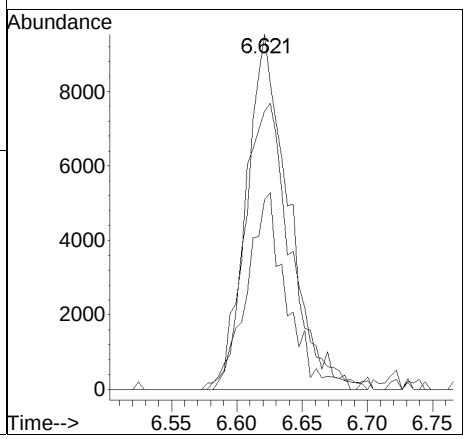


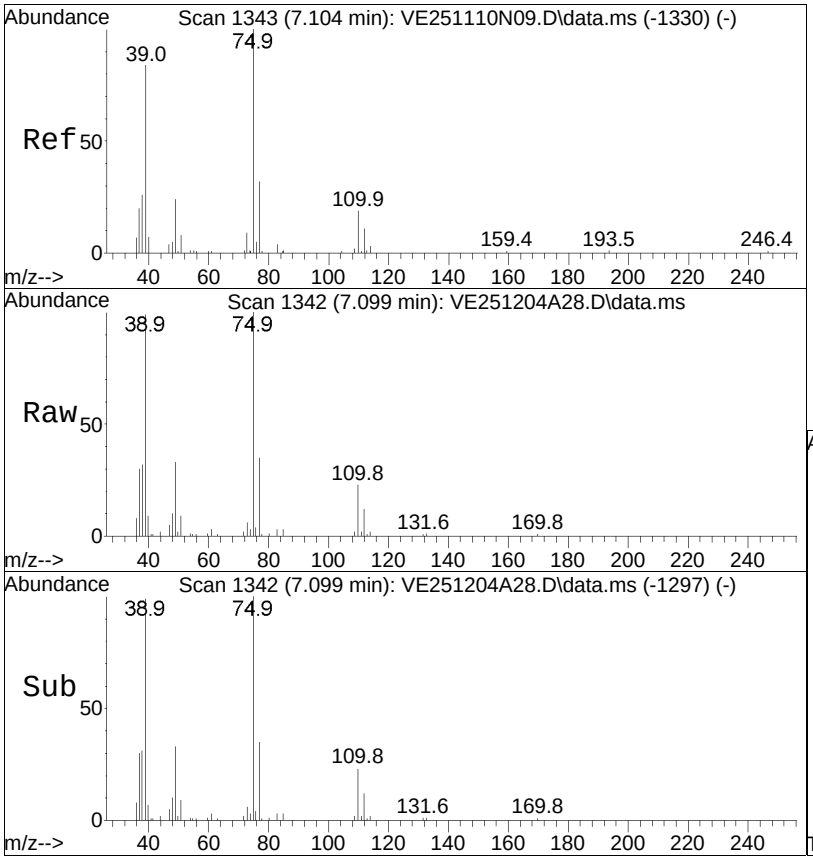


#61
1,4-Dioxane
Concen: 583.63 ug/L
RT: 6.621 min Scan# 1233
Delta R.T. 0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 88 Resp: 20942

Ion	Ratio	Lower	Upper
88	100		
58	91.7	76.1	114.1
43	54.2	41.8	62.8

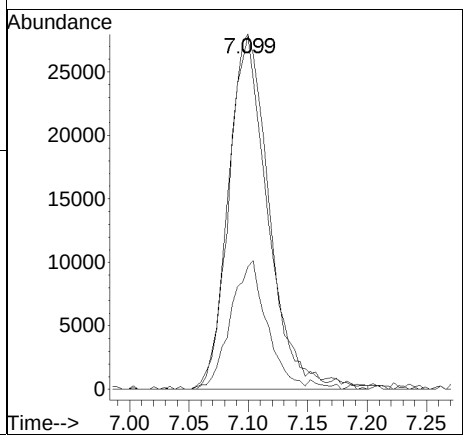


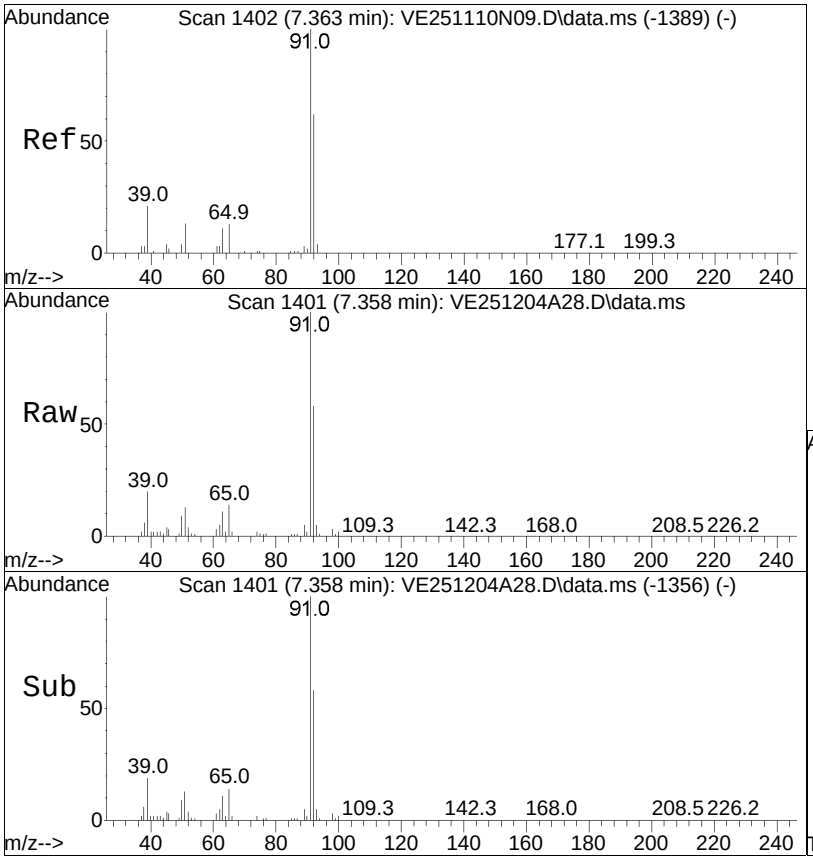


#62
cis-1,3-Dichloropropene
Concen: 9.55 ug/L
RT: 7.099 min Scan# 1342
Delta R.T. -0.005 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 75 Resp: 67385

Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.0	39.0
39	93.5	74.6	112.0

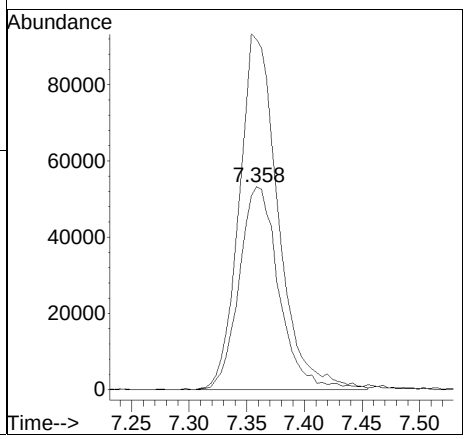


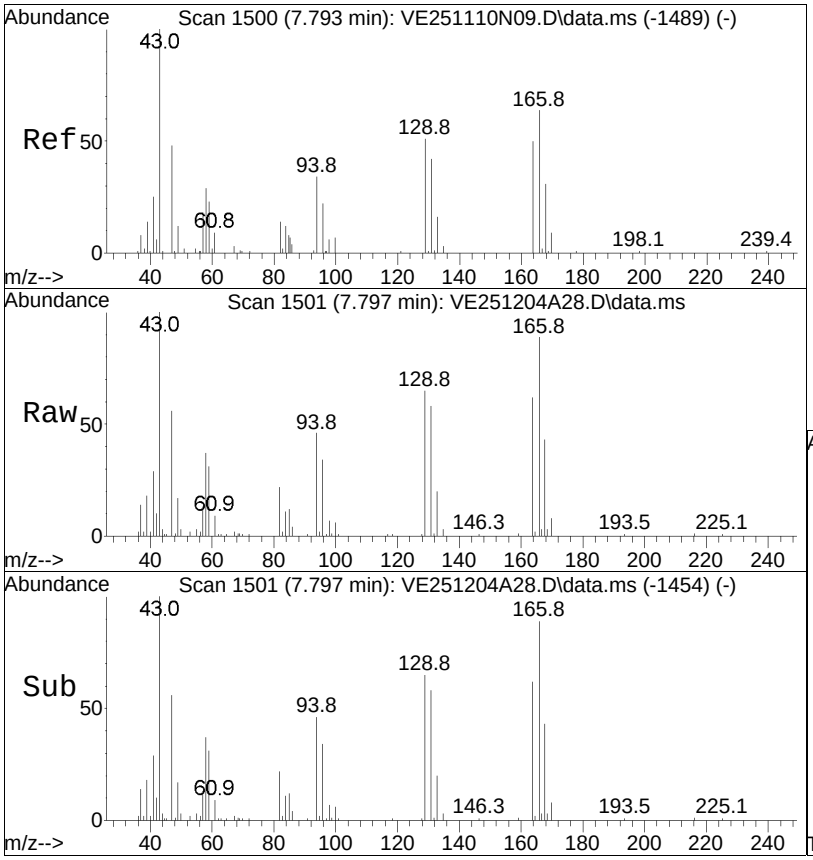


#65
Toluene
Concen: 10.05 ug/L
RT: 7.358 min Scan# 1401
Delta R.T. -0.005 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 92 Resp: 127804

Ion	Ratio	Lower	Upper
92	100		
91	171.2	136.4	204.6

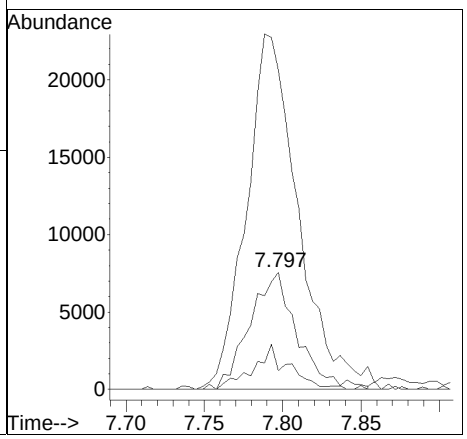


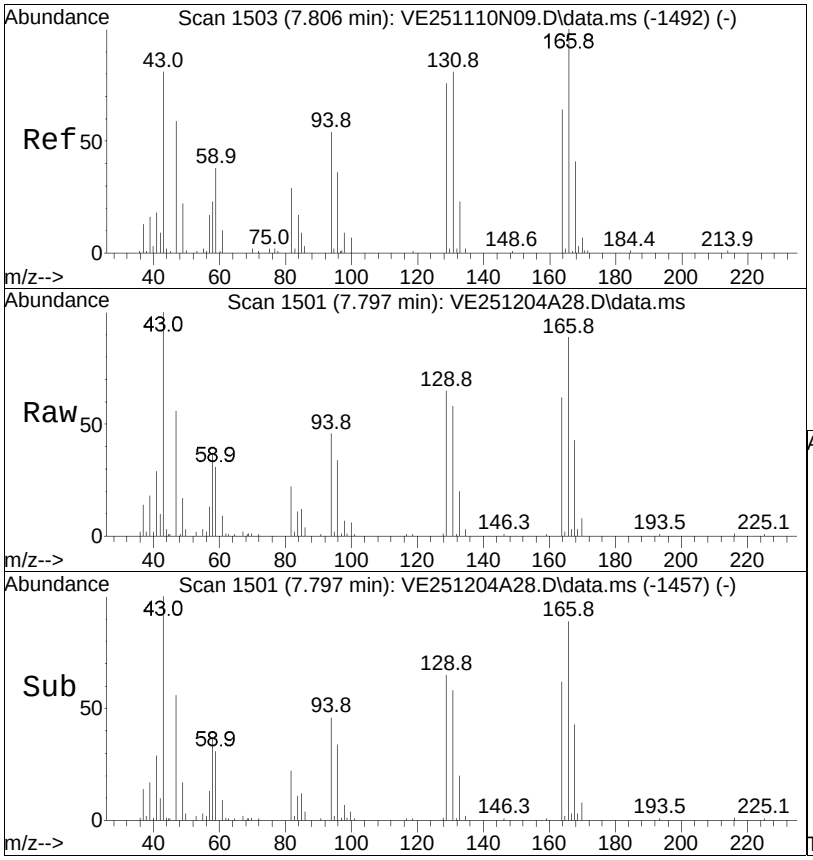


#66
4-Methyl-2-pentanone
Concen: 9.79 ug/L
RT: 7.797 min Scan# 1501
Delta R.T. 0.004 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 58 Resp: 16102

Ion	Ratio	Lower	Upper
58	100		
100	28.7	23.0	34.6
43	330.1	270.1	405.1

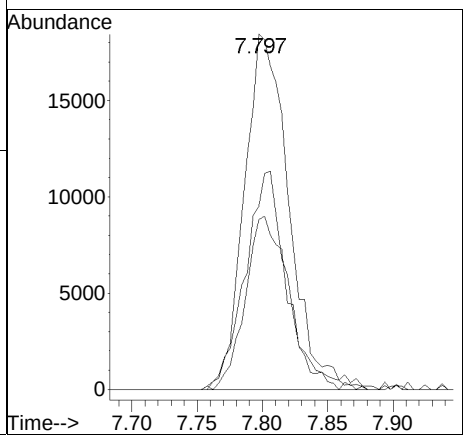


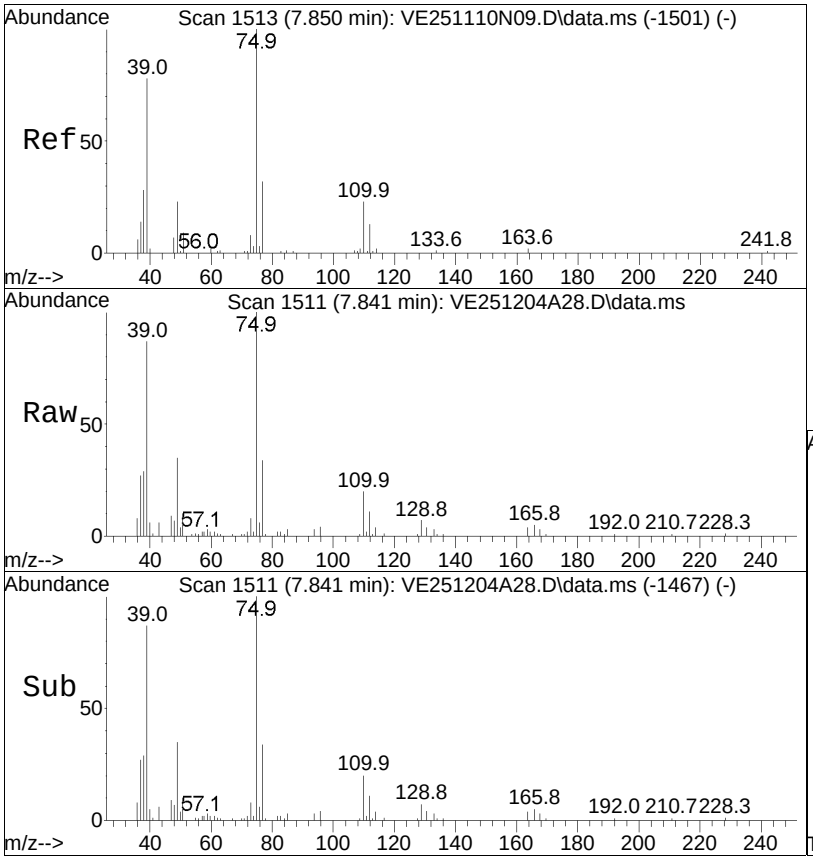


#67
Tetrachloroethene
Concen: 9.69 ug/L
RT: 7.797 min Scan# 1501
Delta R.T. -0.009 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:166 Resp: 43866

Ion	Ratio	Lower	Upper
166	100		
168	48.0	27.8	67.8
94	57.1	38.7	78.7

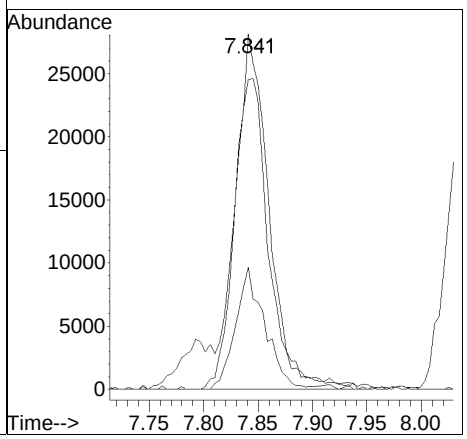


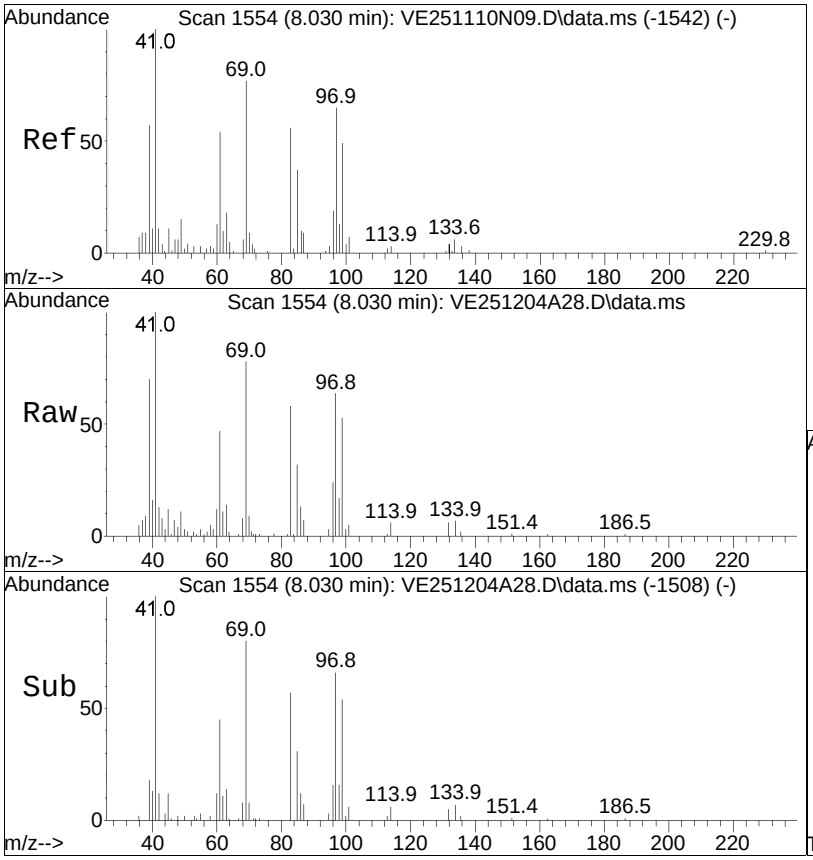


#69
trans-1,3-Dichloropropene
Concen: 7.89 ug/L
RT: 7.841 min Scan# 1511
Delta R.T. -0.009 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 75 Resp: 59895

Ion	Ratio	Lower	Upper
75	100		
77	30.4	10.9	50.9
39	85.3	68.1	108.1

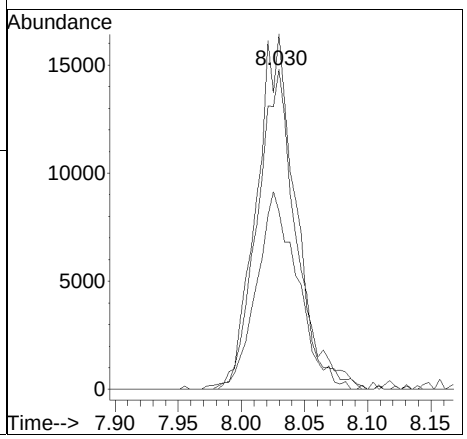


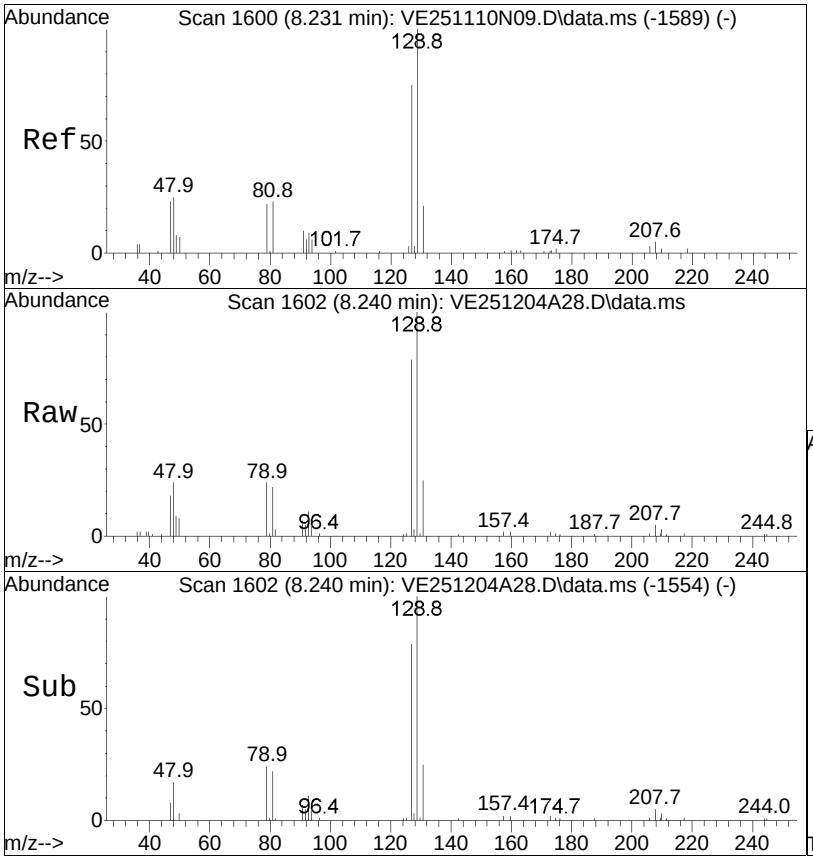


#72
1,1,2-Trichloroethane
Concen: 9.55 ug/L
RT: 8.030 min Scan# 1554
Delta R.T. -0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 83 Resp: 31567

Ion	Ratio	Lower	Upper
83	100		
97	114.3	93.5	133.5
85	65.4	45.2	85.2

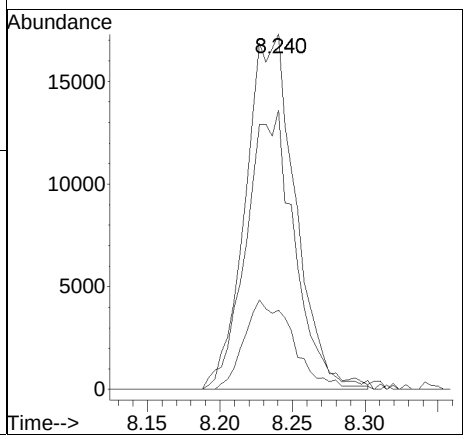


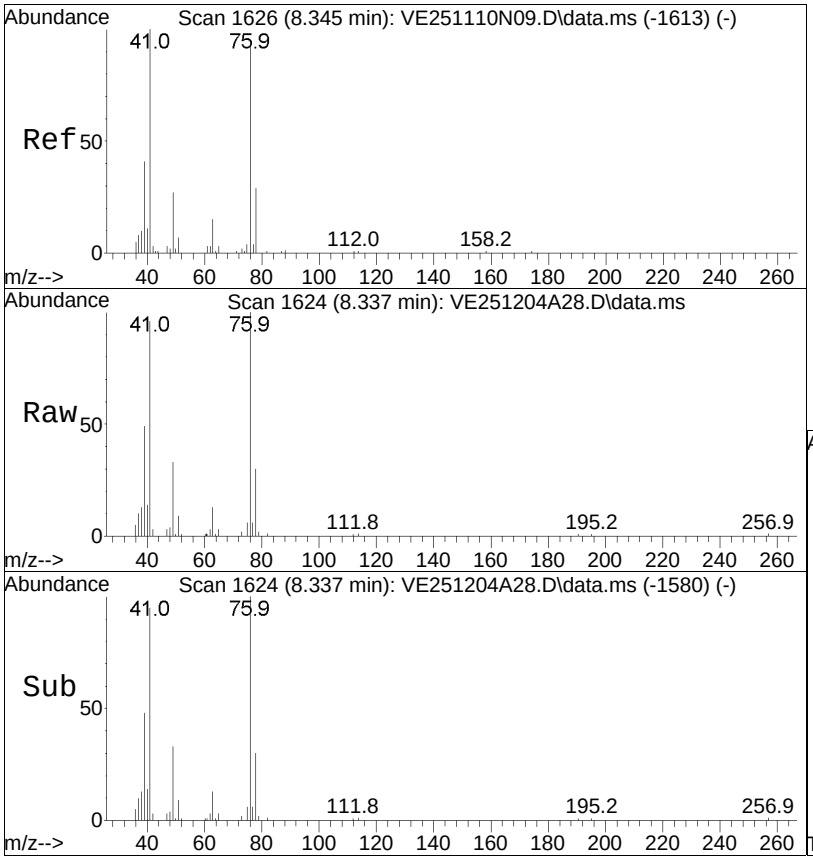


#73
Chlorodibromomethane
Concen: 9.23 ug/L
RT: 8.240 min Scan# 1602
Delta R.T. 0.009 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:129 Resp: 41062

Ion	Ratio	Lower	Upper
129	100		
81	24.9	4.8	44.8
127	77.6	56.3	96.3

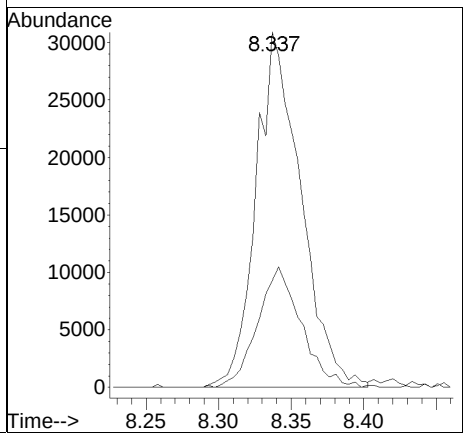


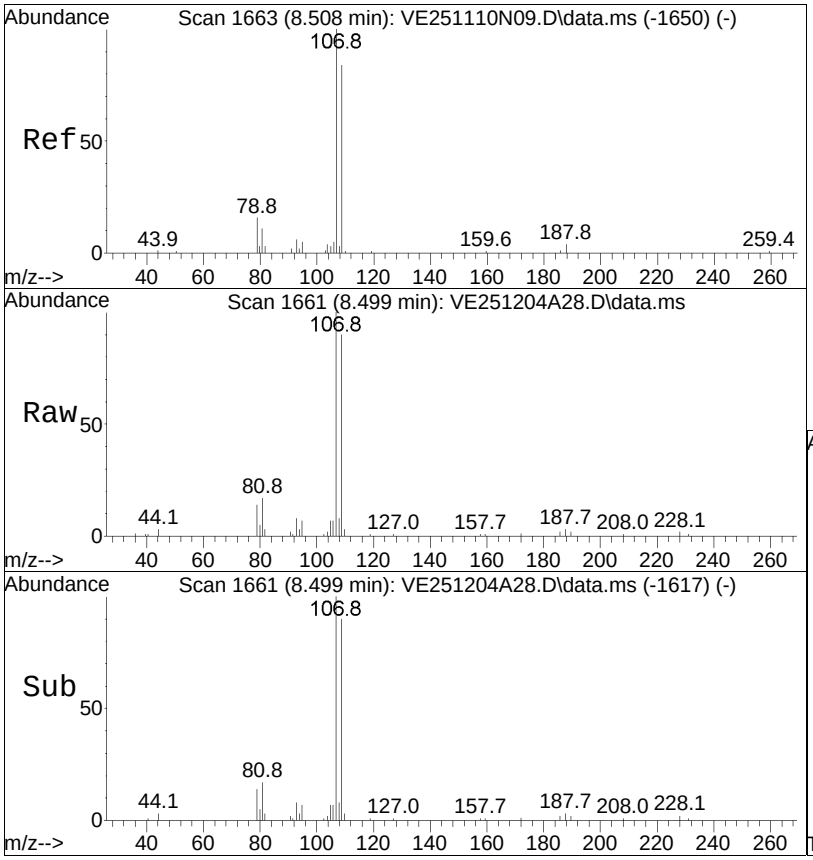


#74
1,3-Dichloropropane
Concen: 9.05 ug/L
RT: 8.337 min Scan# 1624
Delta R.T. -0.008 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 76 Resp: 66440

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.2	39.4

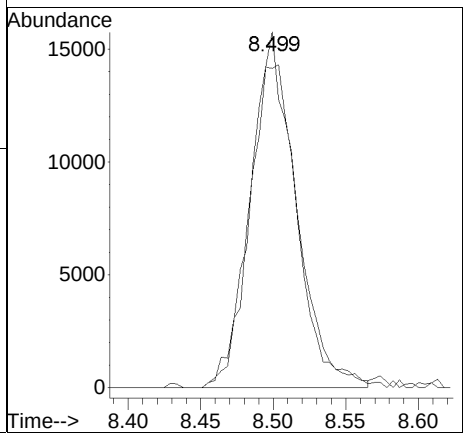


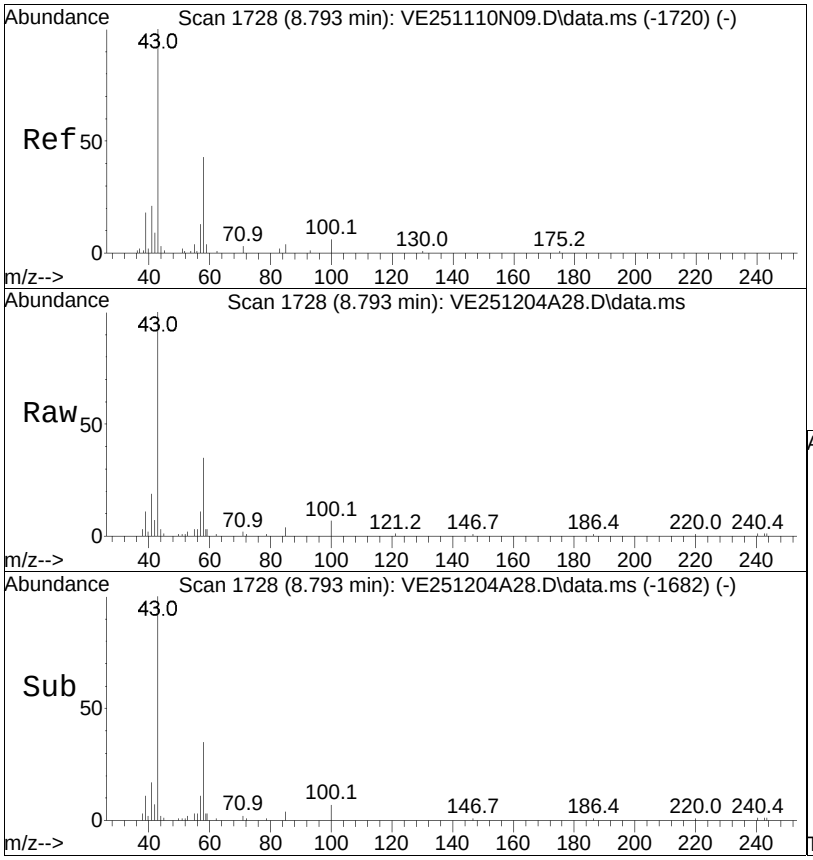


#75
1,2-Dibromoethane
Concen: 8.77 ug/L
RT: 8.499 min Scan# 1661
Delta R.T. -0.009 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:107 Resp: 34393

Ion	Ratio	Lower	Upper
107	100		
109	96.8	73.0	109.6

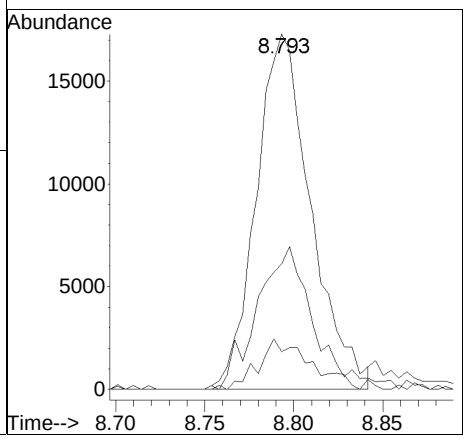


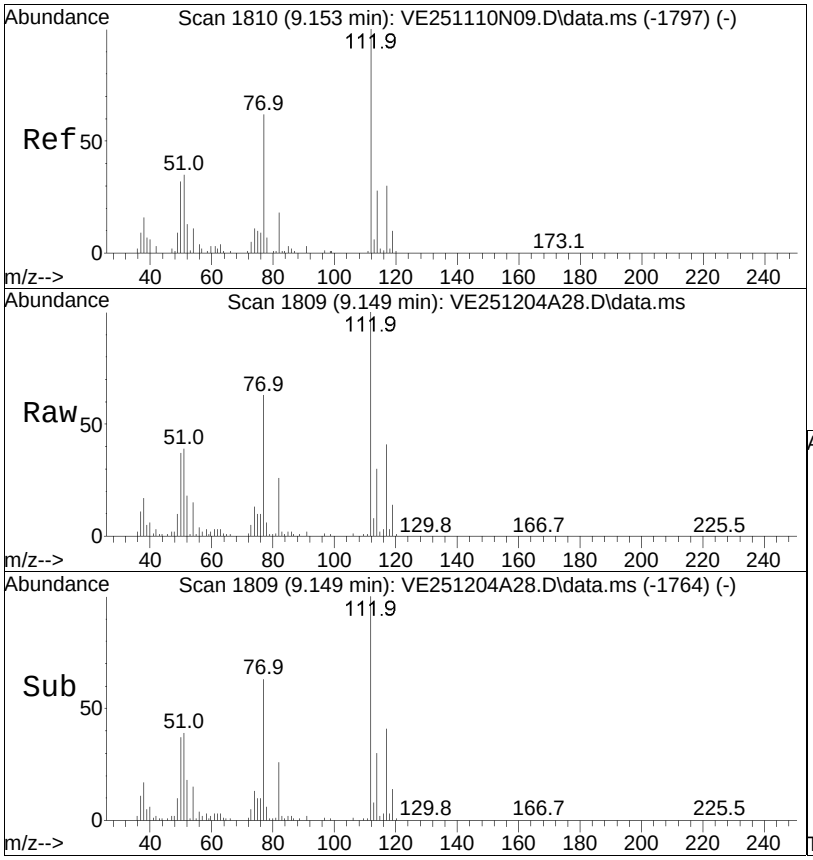


#77
2-Hexanone
Concen: 9.38 ug/L
RT: 8.793 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 43 Resp: 36957

Ion	Ratio	Lower	Upper
43	100		
58	41.7	34.3	51.5
57	13.5	12.5	18.7

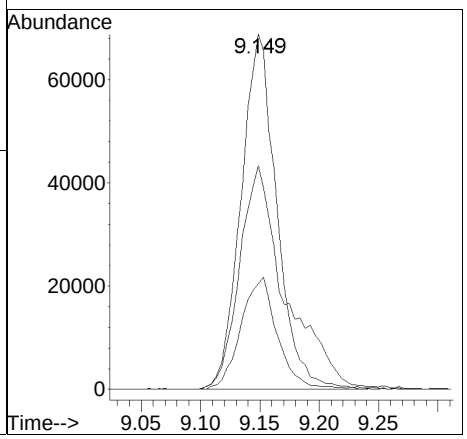


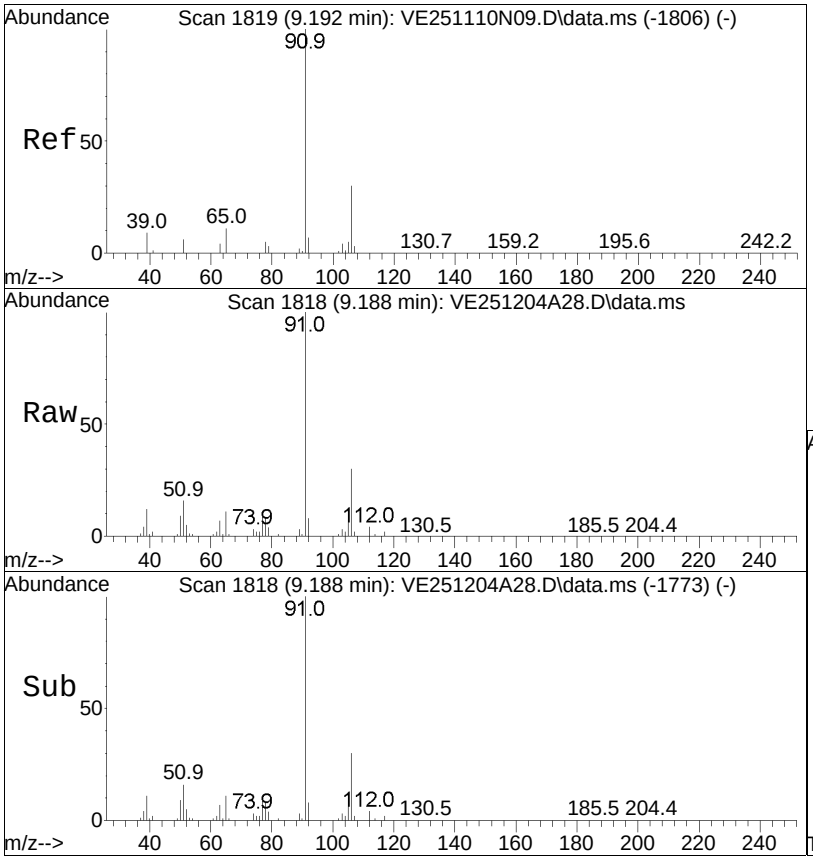


#78
Chlorobenzene
Concen: 10.16 ug/L
RT: 9.149 min Scan# 1809
Delta R.T. -0.004 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:112 Resp: 144533

Ion	Ratio	Lower	Upper
112	100		
77	81.1	67.3	100.9
114	32.3	25.6	38.4

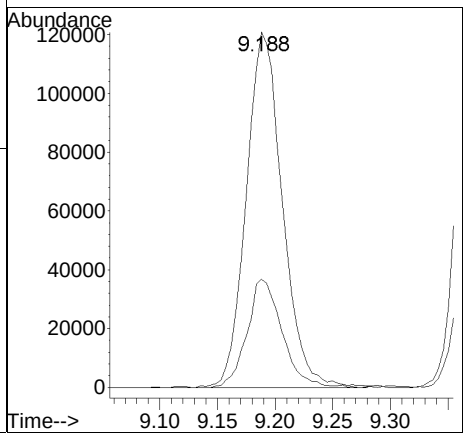


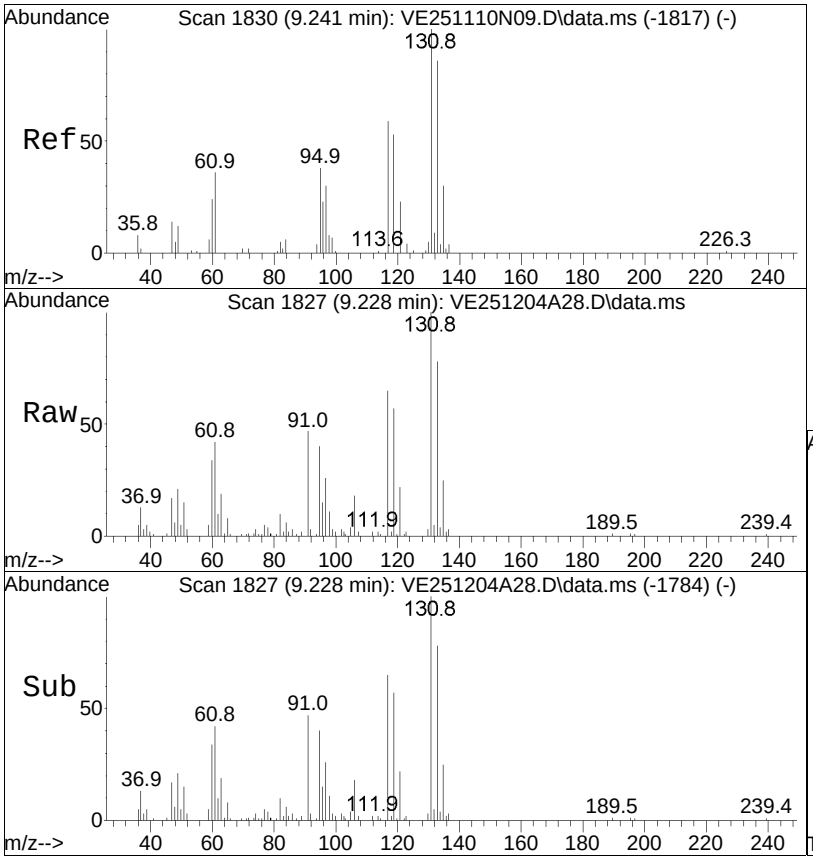


#79
Ethylbenzene
Concen: 9.92 ug/L
RT: 9.188 min Scan# 1818
Delta R.T. -0.004 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 91 Resp: 263474

Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.4	35.0

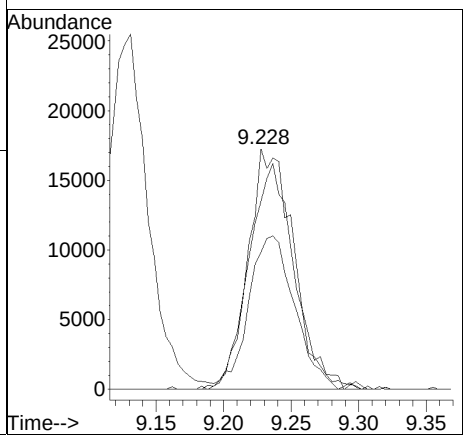


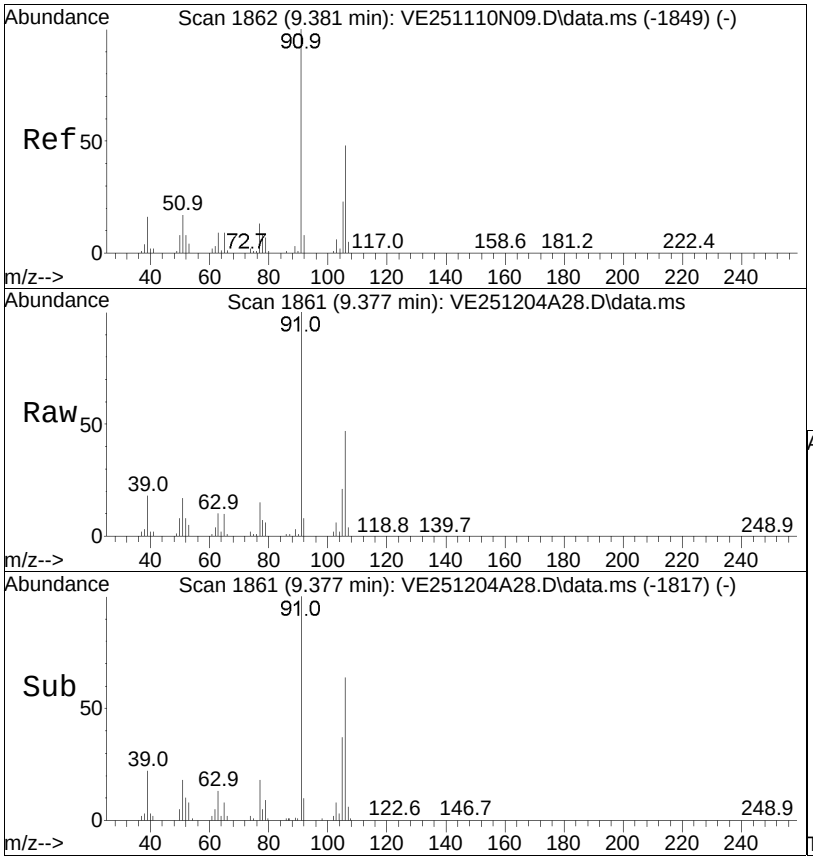


#80
1,1,1,2-Tetrachloroethane
Concen: 9.38 ug/L
RT: 9.228 min Scan# 1827
Delta R.T. -0.013 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:131 Resp: 40458

Ion	Ratio	Lower	Upper
131	100		
133	94.2	72.9	112.9
119	64.5	43.8	83.8

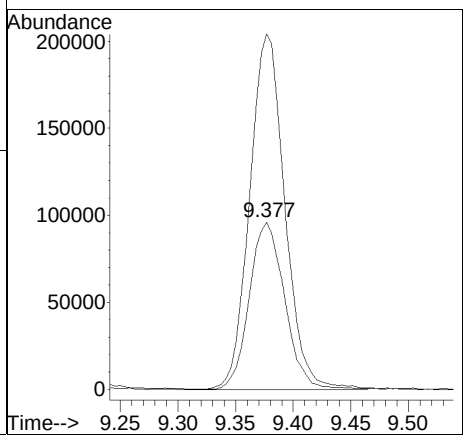


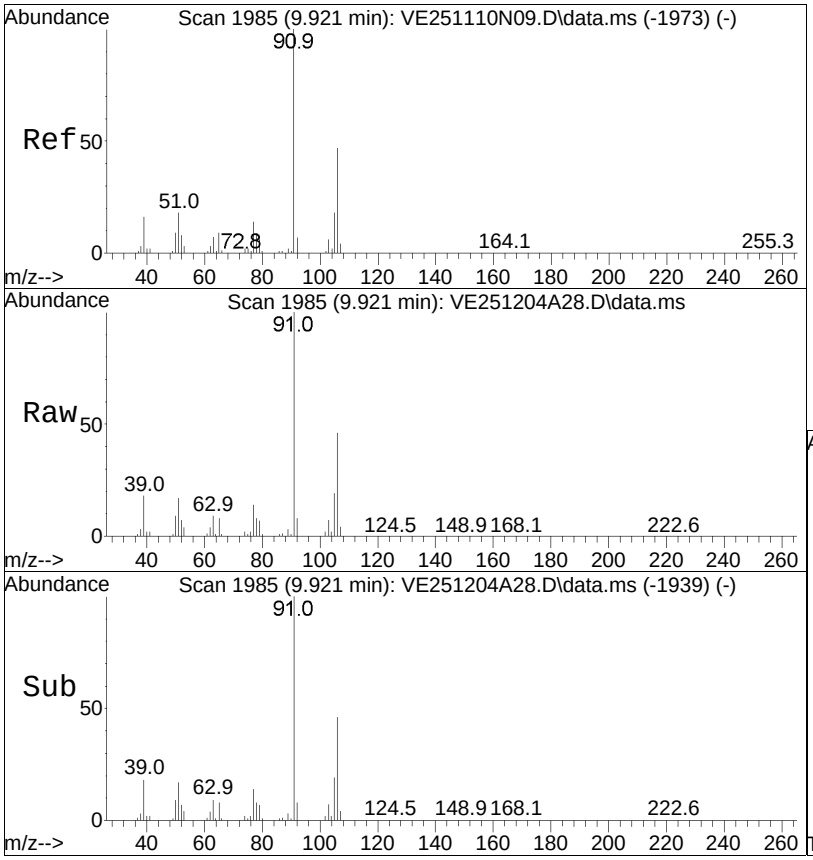


#81
p/m Xylene
Concen: 19.78 ug/L
RT: 9.377 min Scan# 1861
Delta R.T. -0.004 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:106 Resp: 205212

Ion	Ratio	Lower	Upper
106	100		
91	210.3	165.2	247.8

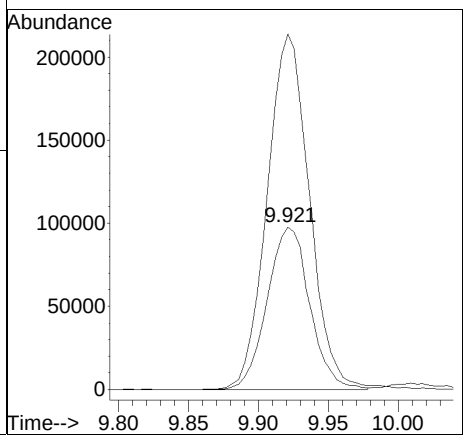


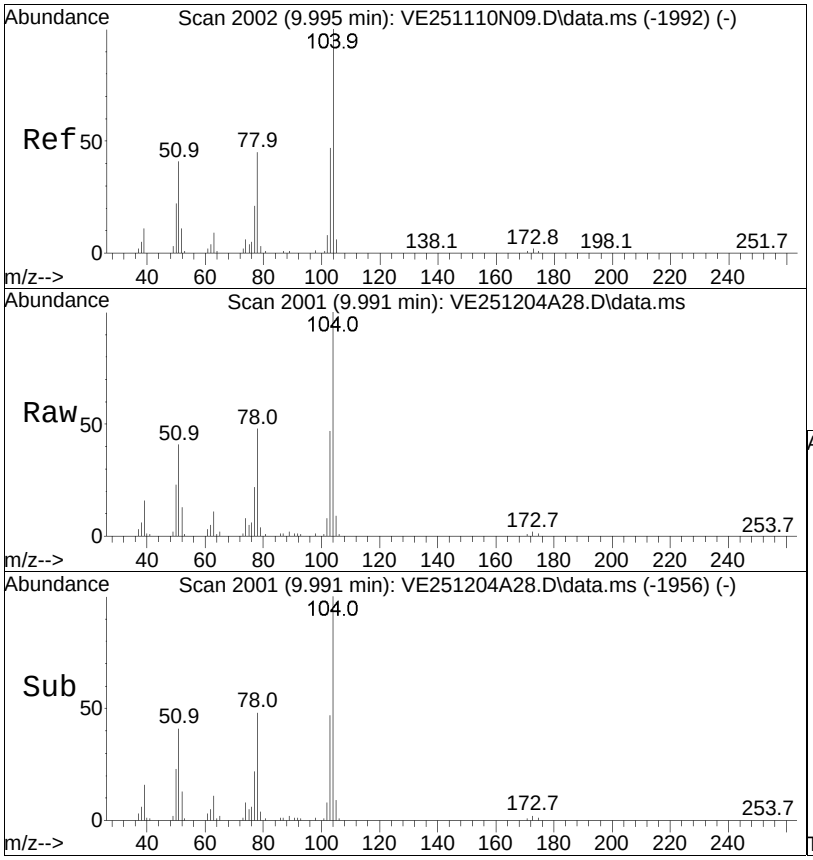


#82
o Xylene
Concen: 20.03 ug/L
RT: 9.921 min Scan# 1985
Delta R.T. -0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:106 Resp: 205946

Ion	Ratio	Lower	Upper
106	100		
91	218.3	181.8	272.8

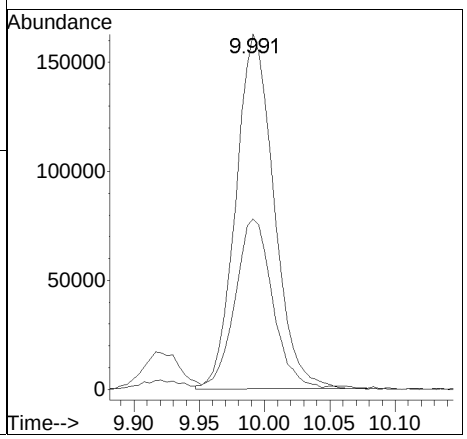


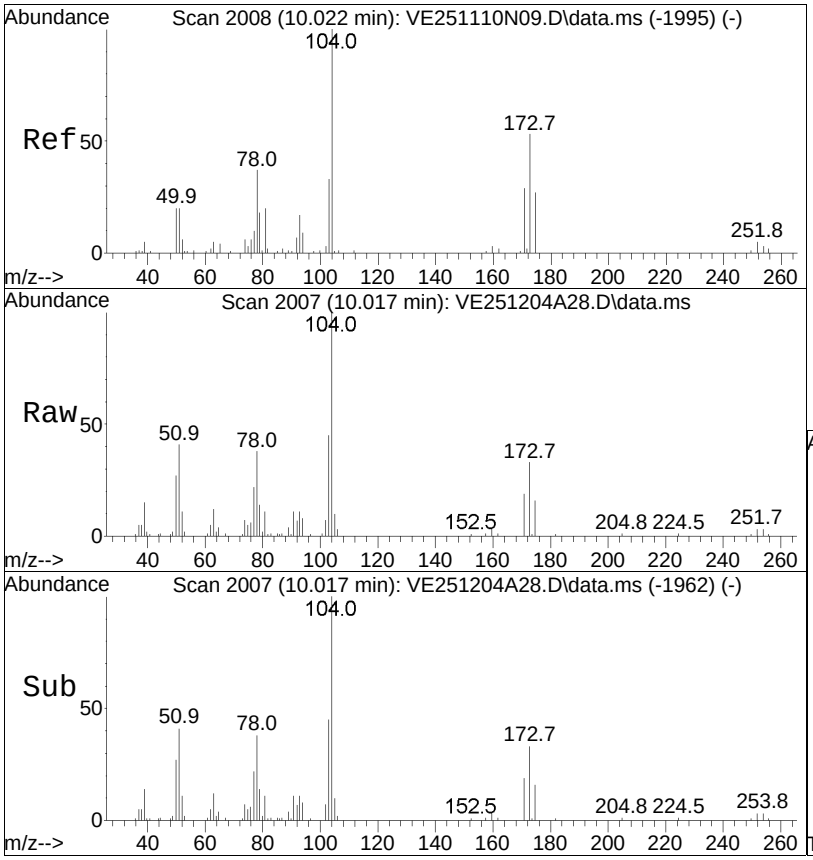


#83
Styrene
Concen: 18.43 ug/L
RT: 9.991 min Scan# 2001
Delta R.T. -0.004 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:104 Resp: 330818

Ion	Ratio	Lower	Upper
104	100		
78	47.5	37.1	55.7

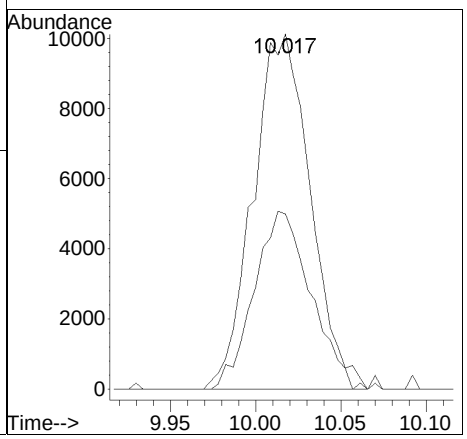


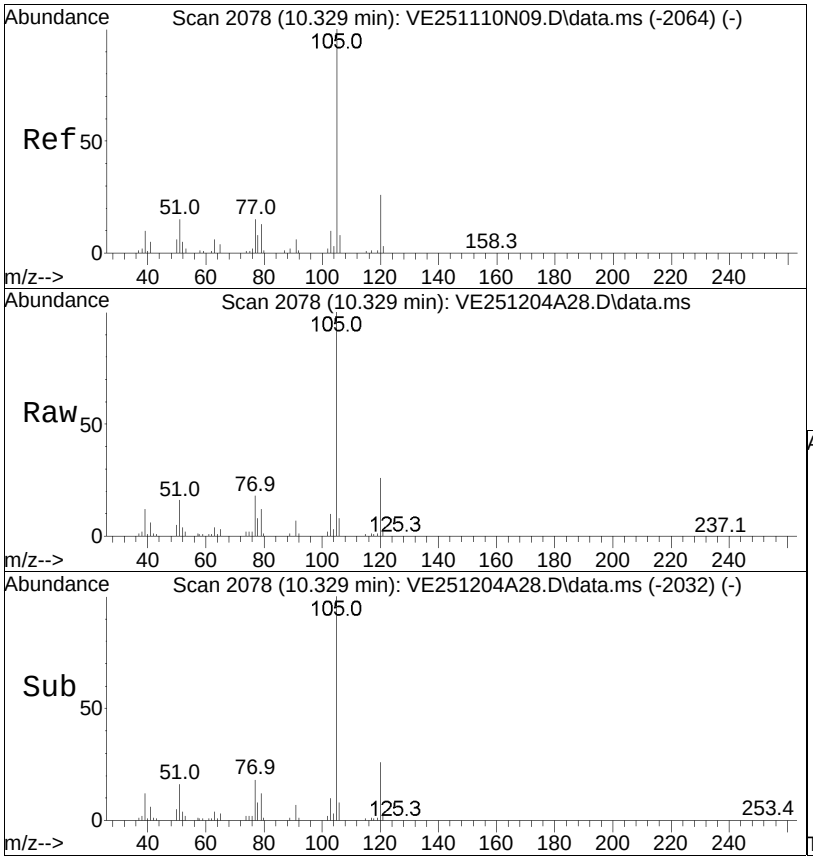


#85
Bromoform
Concen: 8.42 ug/L
RT: 10.017 min Scan# 2007
Delta R.T. -0.005 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:173 Resp: 23695

Ion	Ratio	Lower	Upper
173	100		
175	49.7	29.9	69.9

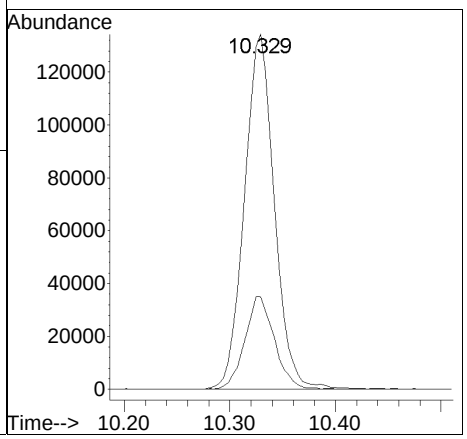


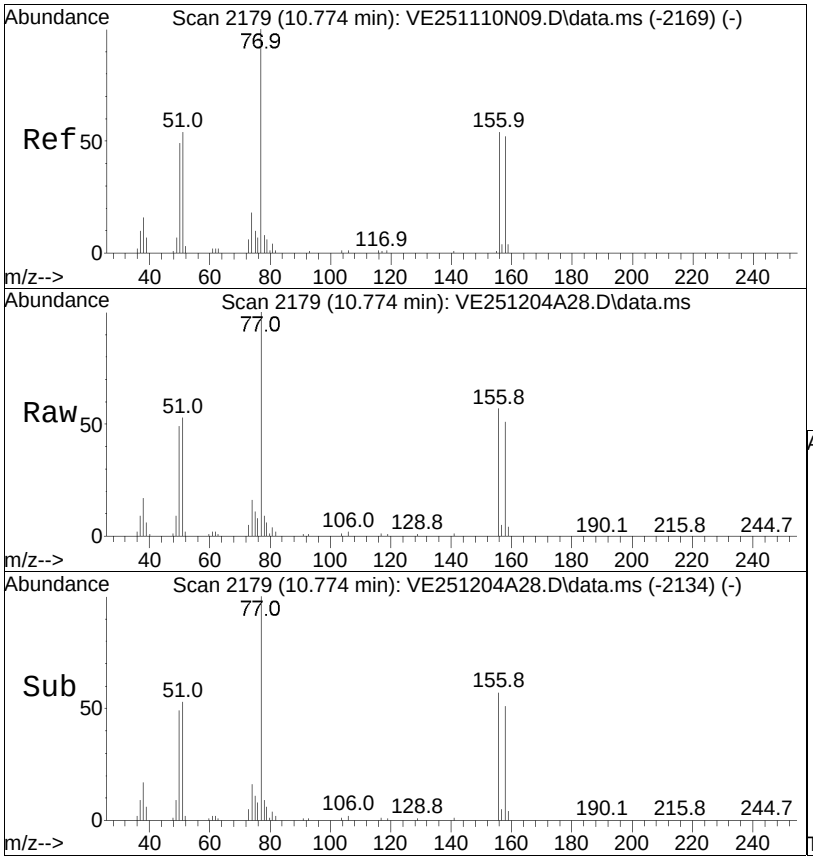


#87
Isopropylbenzene
Concen: 9.29 ug/L
RT: 10.329 min Scan# 2078
Delta R.T. 0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:105 Resp: 265150

Ion	Ratio	Lower	Upper
105	100		
120	25.9	5.0	45.0

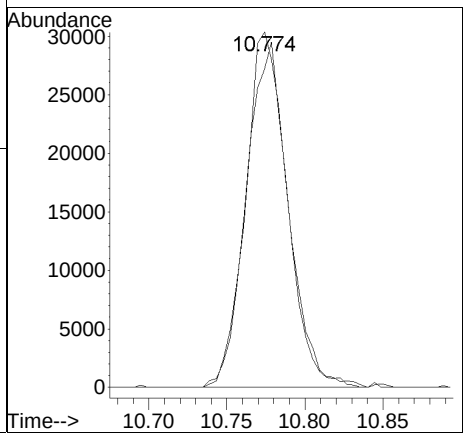


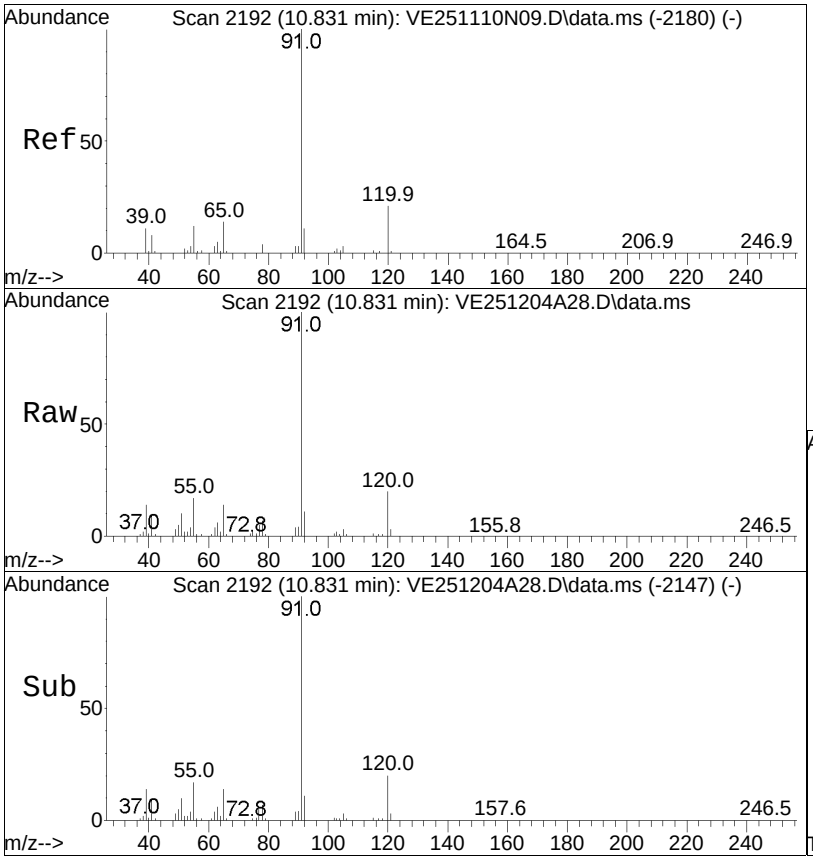


#89
Bromobenzene
Concen: 9.65 ug/L
RT: 10.774 min Scan# 2179
Delta R.T. 0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:156 Resp: 57204

Ion	Ratio	Lower	Upper
156	100		
158	95.7	79.0	118.4

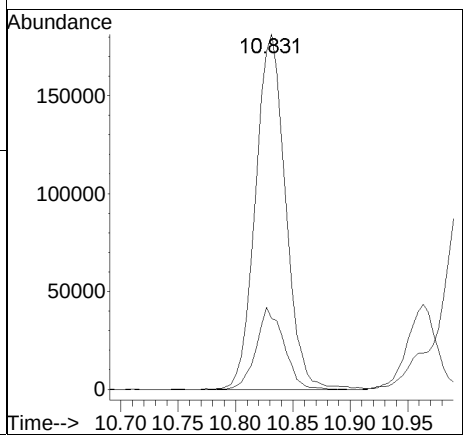


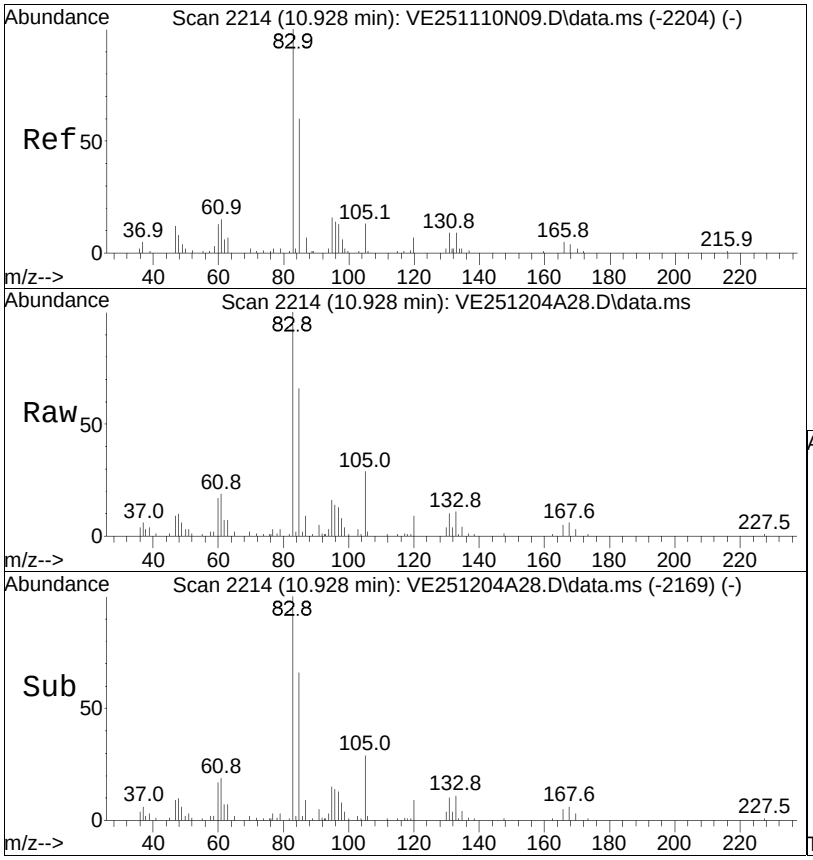


#90
n-Propylbenzene
Concen: 9.20 ug/L
RT: 10.831 min Scan# 2192
Delta R.T. 0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 91 Resp: 330574

Ion	Ratio	Lower	Upper
91	100		
120	21.3	16.7	25.1

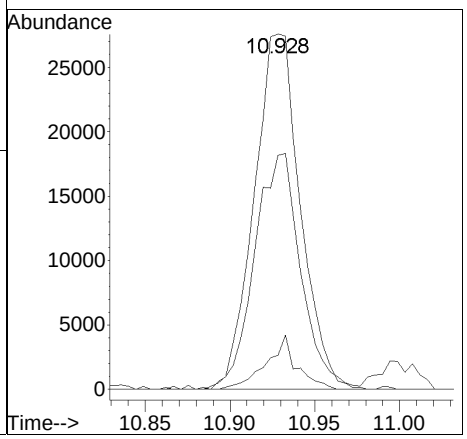


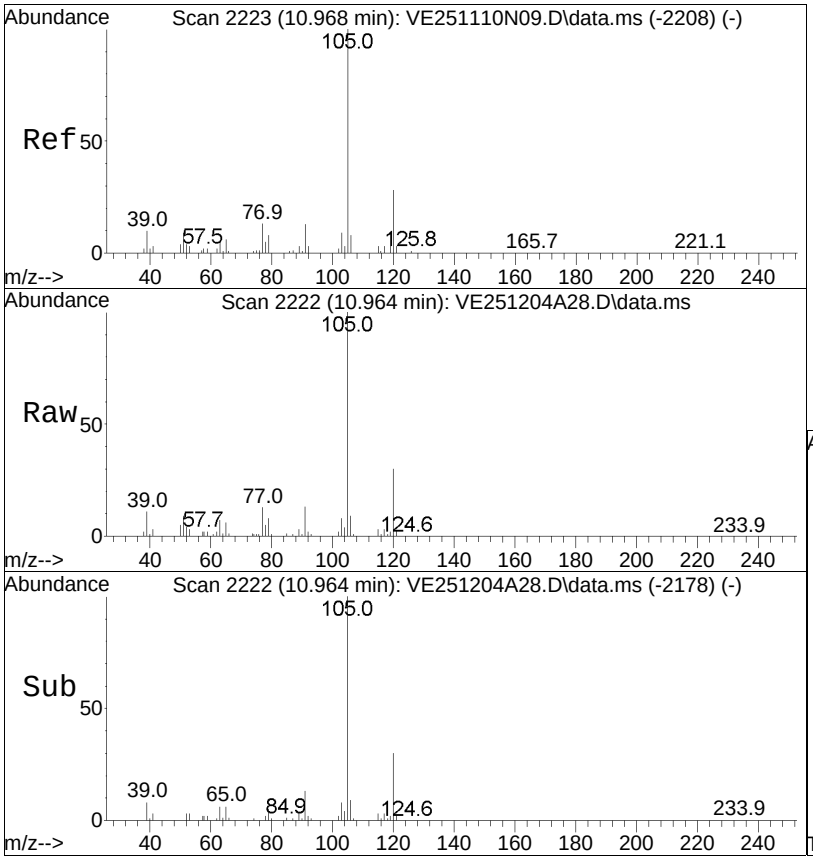


#92
1,1,2,2-Tetrachloroethane
Concen: 9.73 ug/L
RT: 10.928 min Scan# 2214
Delta R.T. 0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 83 Resp: 52410

Ion	Ratio	Lower	Upper
83	100		
131	10.0	0.0	28.3
85	66.3	43.6	83.6

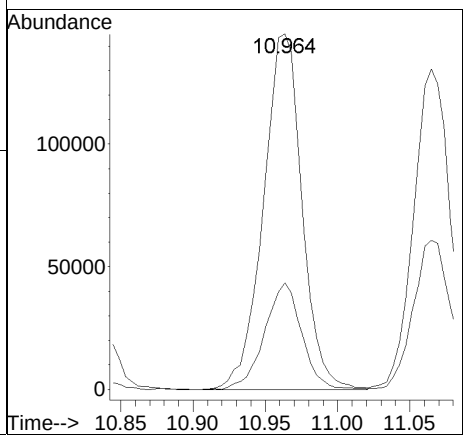


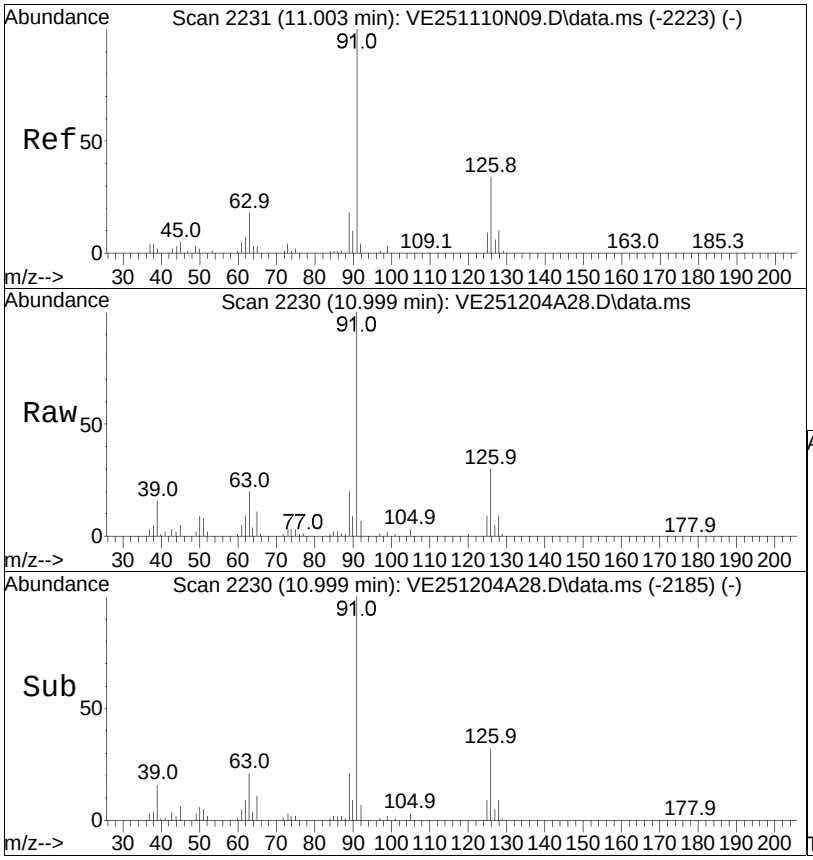


#93
4-Ethyltoluene
Concen: 9.63 ug/L
RT: 10.964 min Scan# 2222
Delta R.T. -0.004 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:105 Resp: 269949

Ion	Ratio	Lower	Upper
105	100		
120	28.7	18.7	38.7

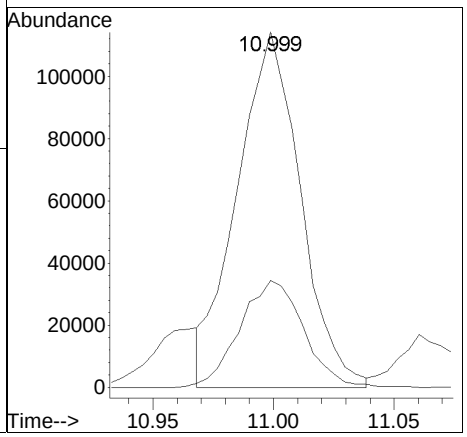


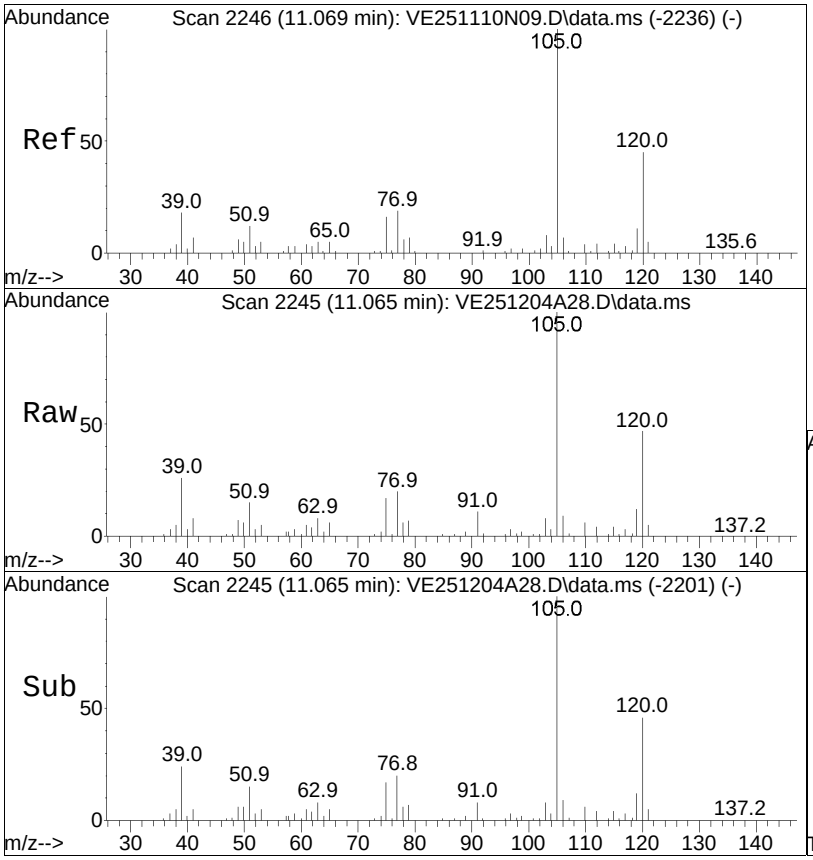


#94
2-Chlorotoluene
Concen: 9.67 ug/L M6
RT: 10.999 min Scan# 2230
Delta R.T. -0.004 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 91 Resp: 209497

Ion	Ratio	Lower	Upper
91	100		
126	30.3	23.2	34.8

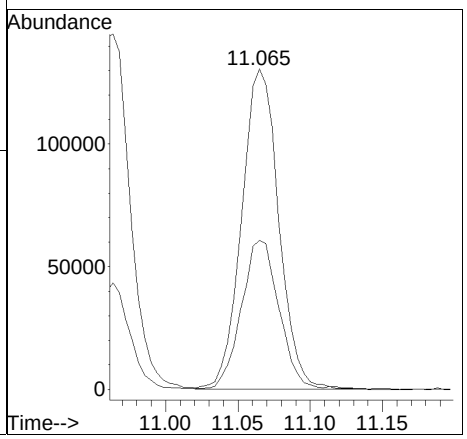


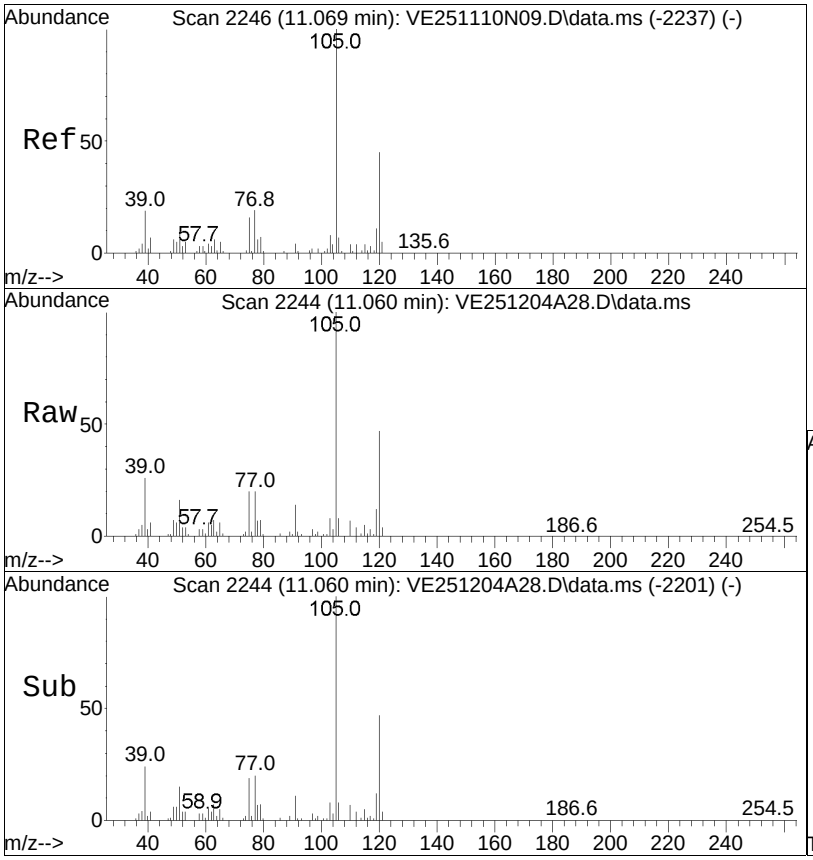


#95
1,3,5-Trimethylbenzene
Concen: 9.29 ug/L
RT: 11.065 min Scan# 2245
Delta R.T. -0.004 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:105 Resp: 233308

Ion	Ratio	Lower	Upper
105	100		
120	47.6	37.2	55.8

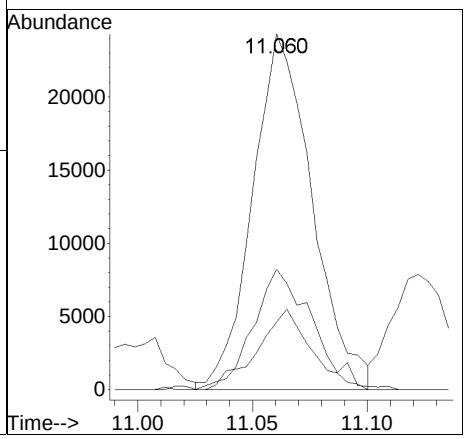


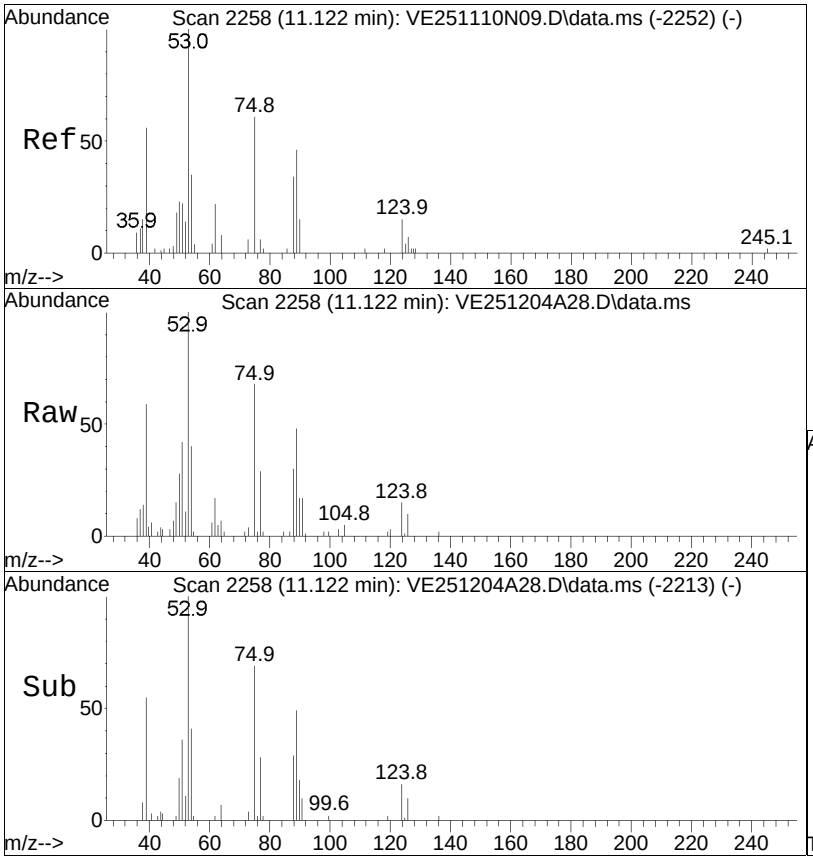


#96
1,2,3-Trichloropropane
Concen: 9.18 ug/L
RT: 11.060 min Scan# 2244
Delta R.T. -0.009 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 75 Resp: 43939

Ion	Ratio	Lower	Upper
75	100		
110	33.7	21.1	43.9
112	20.3	13.7	28.5

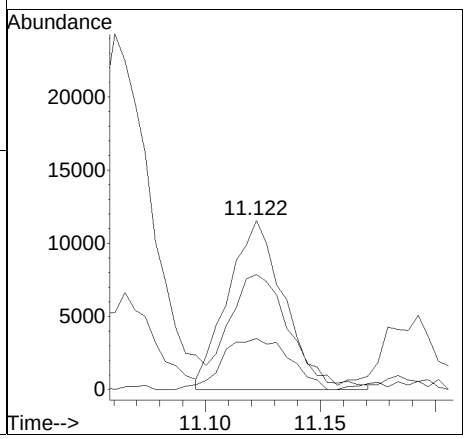


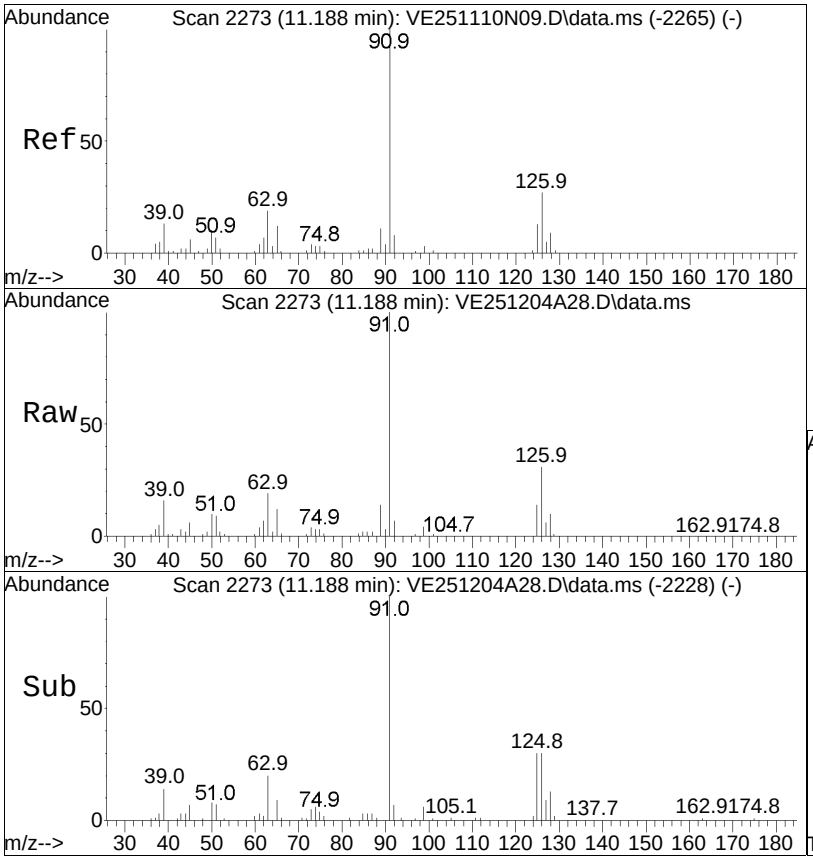


#97
trans-1,4-Dichloro-2-butene
Concen: 8.18 ug/L
RT: 11.122 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 53 Resp: 19816

Ion	Ratio	Lower	Upper
53	100		
88	35.7	27.4	41.0
75	71.0	57.7	86.5

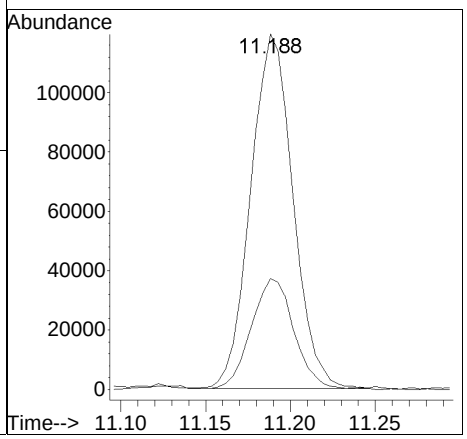


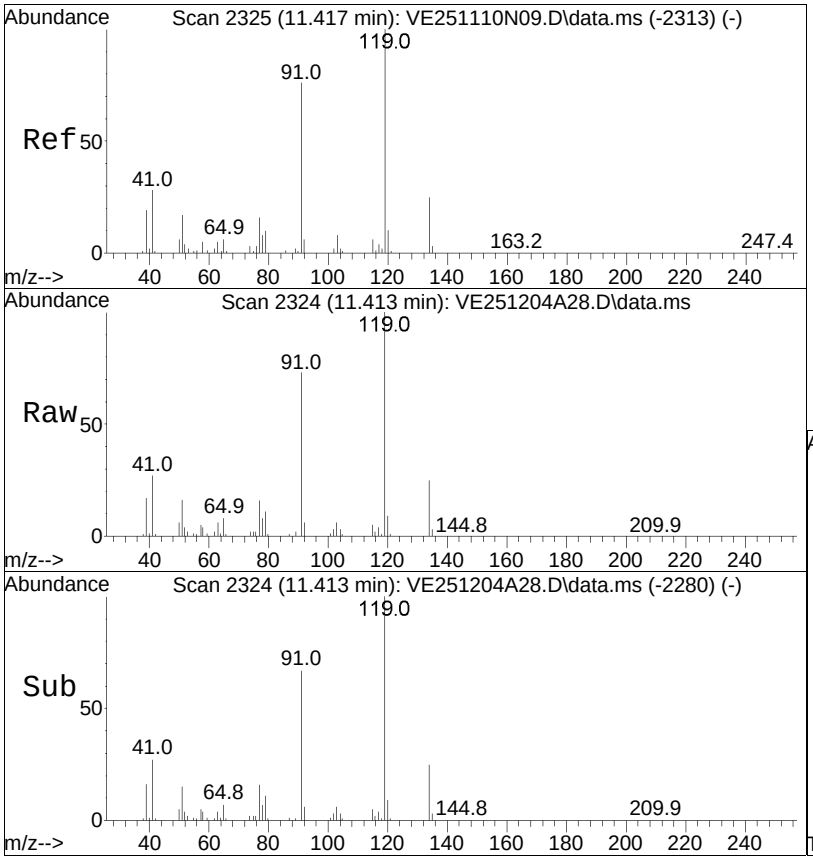


#98
4-Chlorotoluene
Concen: 9.45 ug/L
RT: 11.188 min Scan# 2273
Delta R.T. 0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 91 Resp: 207094

Ion	Ratio	Lower	Upper
91	100		
126	31.2	24.7	37.1

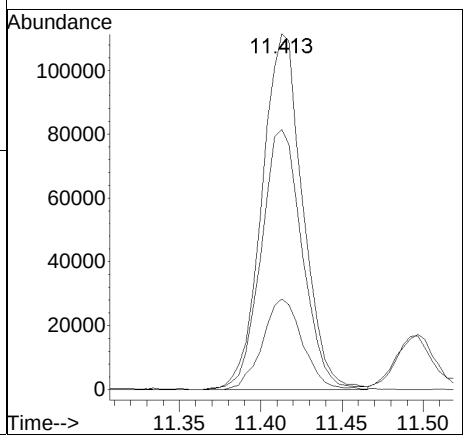


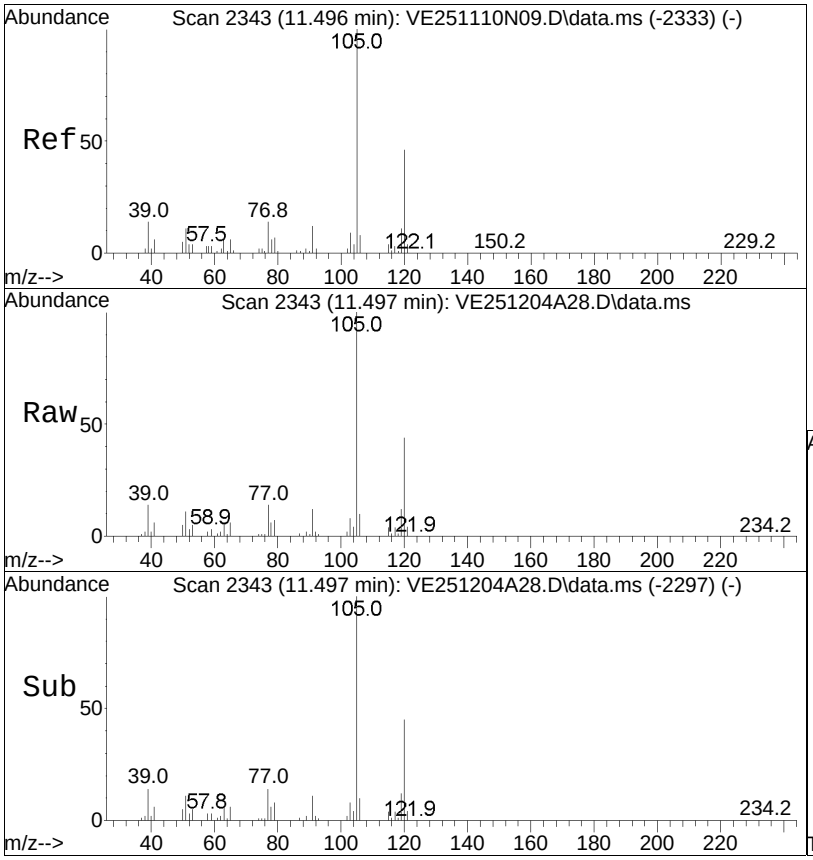


#99
tert-Butylbenzene
Concen: 9.53 ug/L
RT: 11.413 min Scan# 2324
Delta R.T. -0.004 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:119 Resp: 194107

Ion	Ratio	Lower	Upper
119	100		
91	73.8	59.3	88.9
134	25.0	19.4	29.2

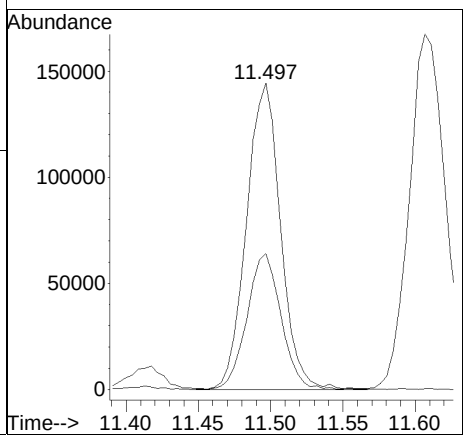


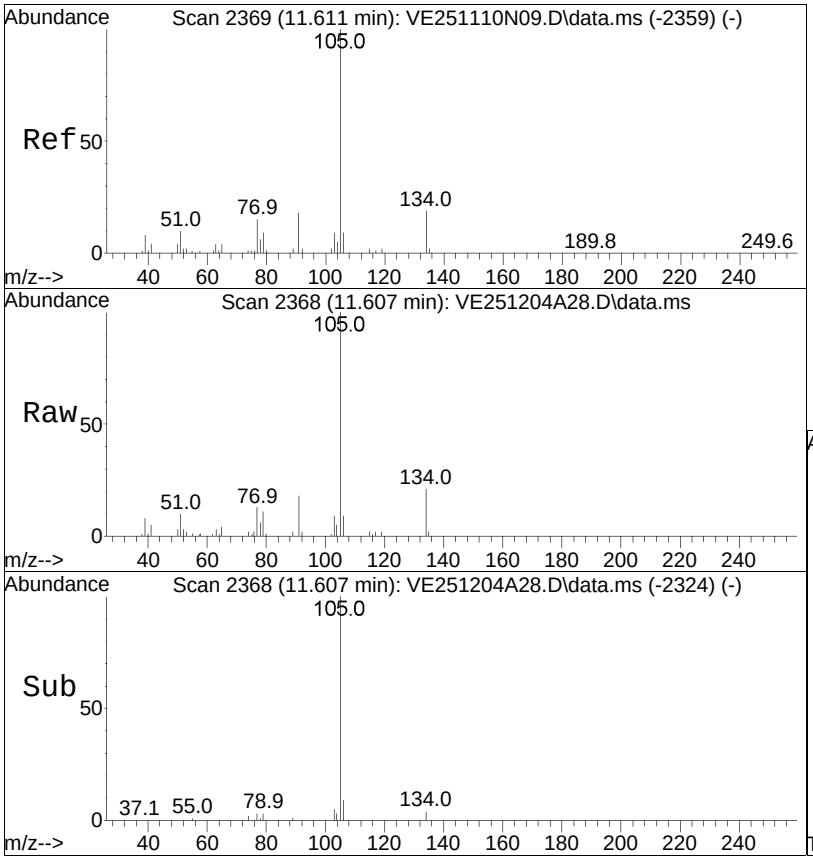


#102
1,2,4-Trimethylbenzene
Concen: 9.45 ug/L
RT: 11.497 min Scan# 2343
Delta R.T. 0.001 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:105 Resp: 236788

Ion	Ratio	Lower	Upper
105	100		
120	43.9	35.9	53.9

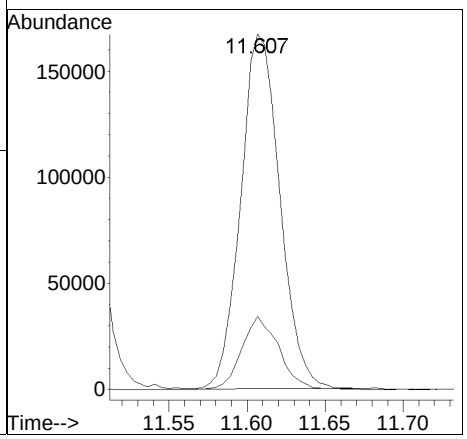


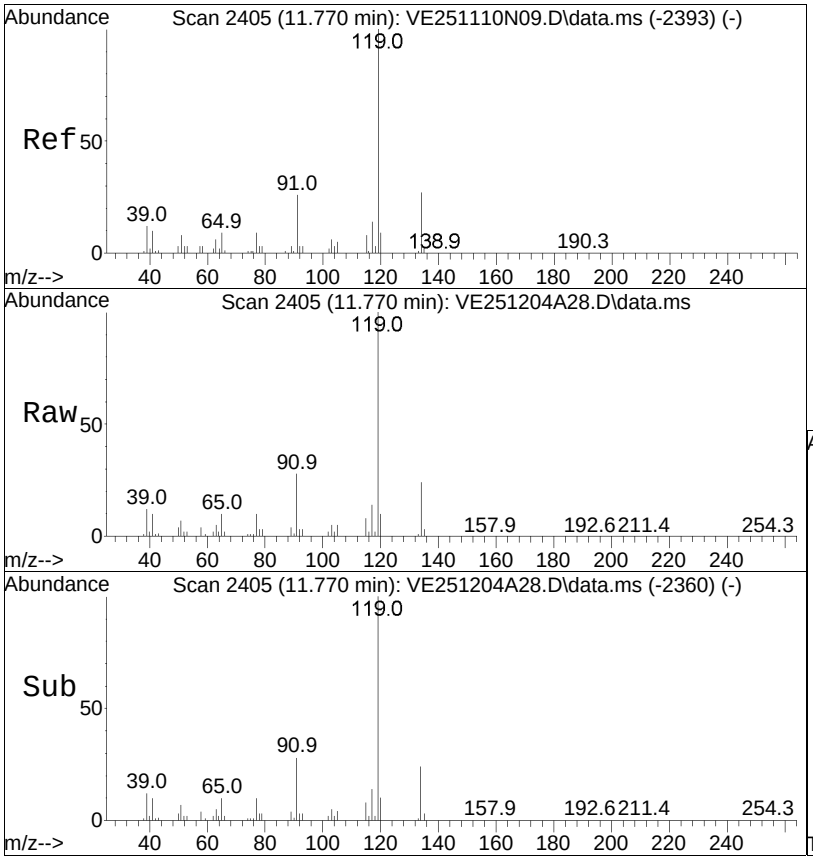


#103
sec-Butylbenzene
Concen: 9.35 ug/L
RT: 11.607 min Scan# 2368
Delta R.T. -0.004 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:105 Resp: 291772

Ion	Ratio	Lower	Upper
105	100		
134	19.5	12.2	25.2

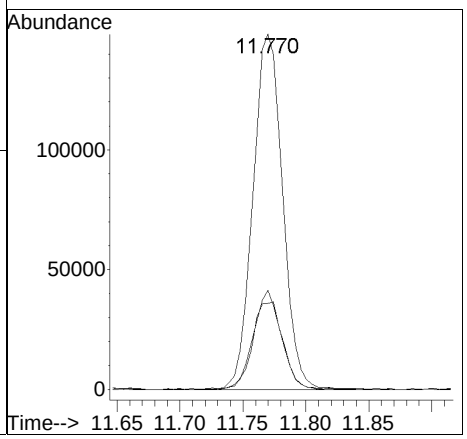


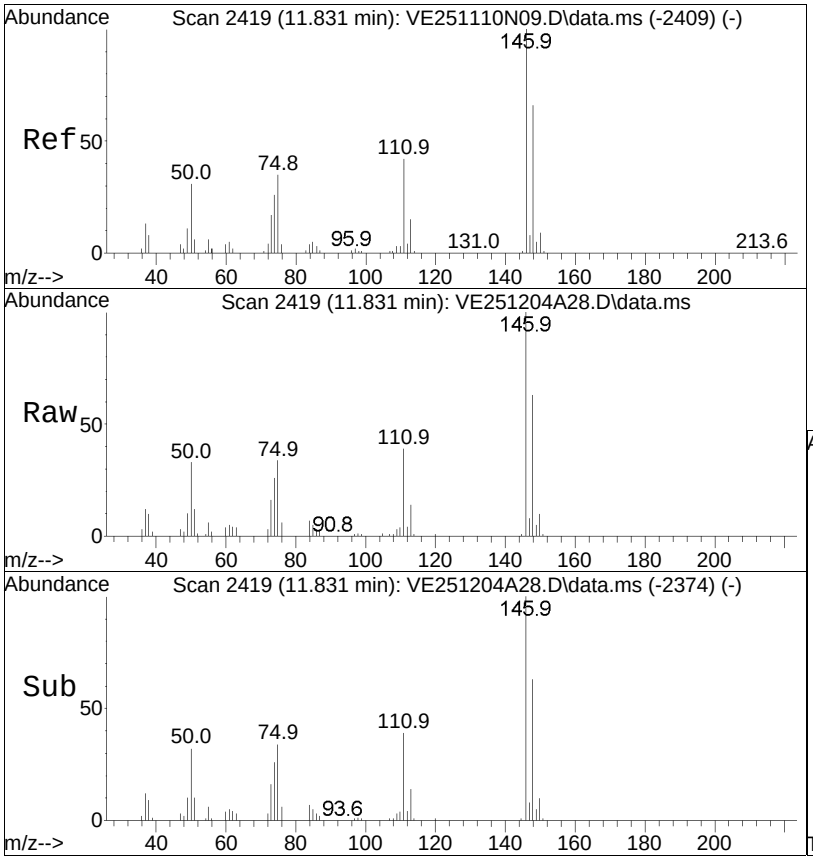


#104
p-Isopropyltoluene
Concen: 9.33 ug/L
RT: 11.770 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:119 Resp: 243782

Ion	Ratio	Lower	Upper
119	100		
134	25.3	16.8	34.8
91	26.3	18.0	37.4

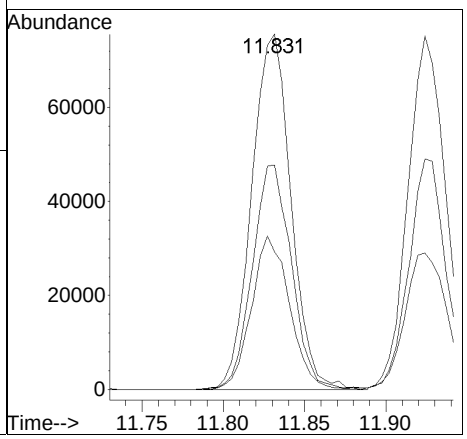


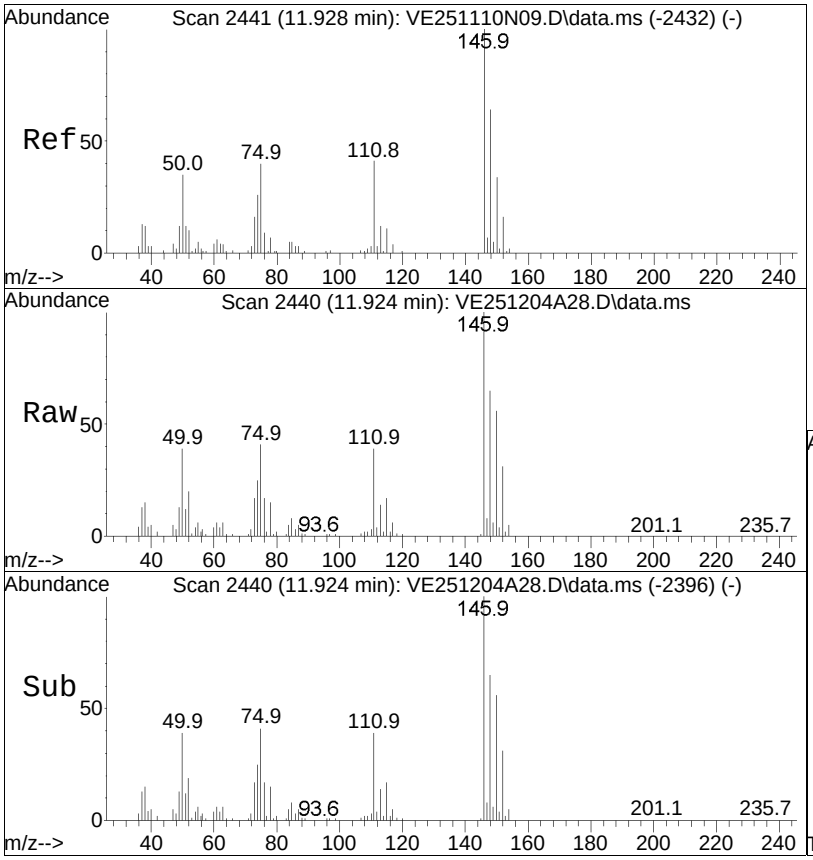


#105
1,3-Dichlorobenzene
Concen: 9.80 ug/L
RT: 11.831 min Scan# 2419
Delta R.T. 0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:146 Resp: 127223

Ion	Ratio	Lower	Upper
146	100		
111	41.8	28.9	60.1
148	62.7	40.8	84.6

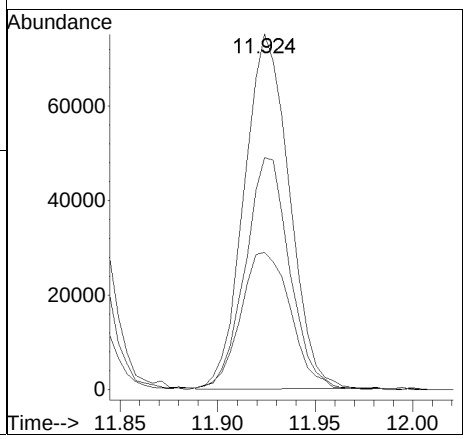


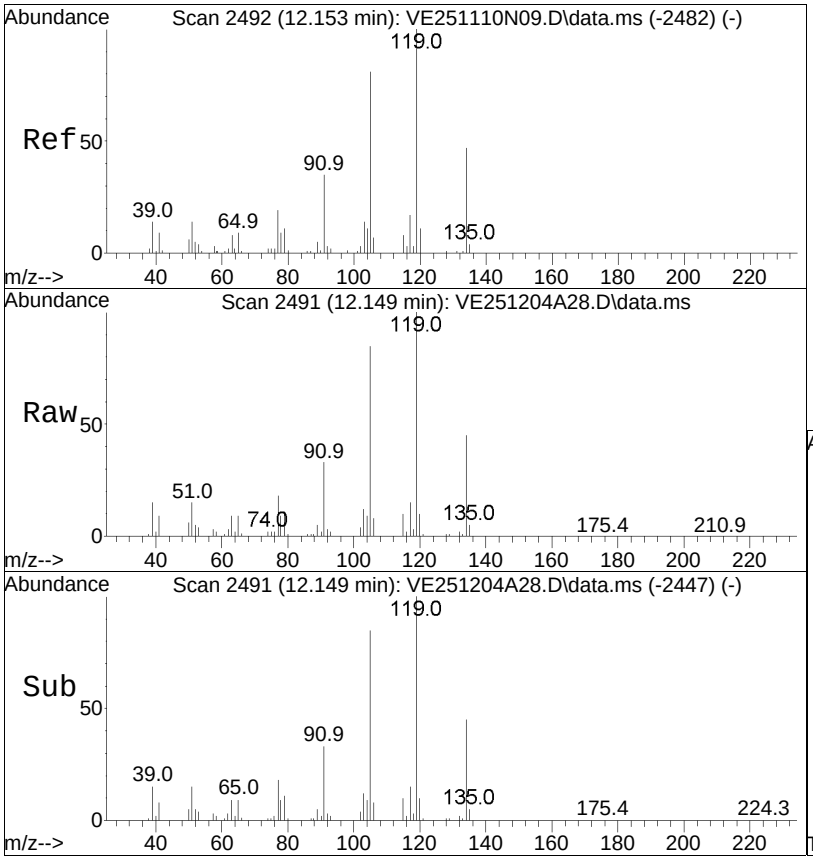


#106
1,4-Dichlorobenzene
Concen: 9.40 ug/L
RT: 11.924 min Scan# 2440
Delta R.T. -0.004 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:146 Resp: 121017

Ion	Ratio	Lower	Upper
146	100		
111	43.0	34.1	51.1
148	64.5	51.3	76.9

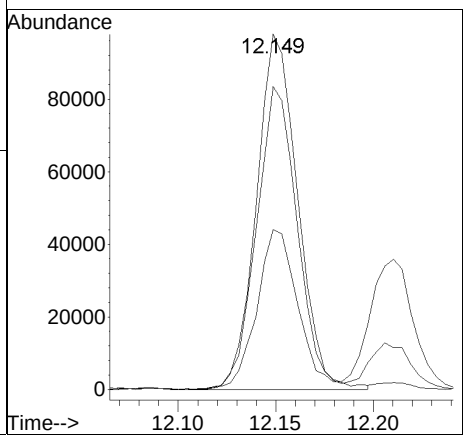


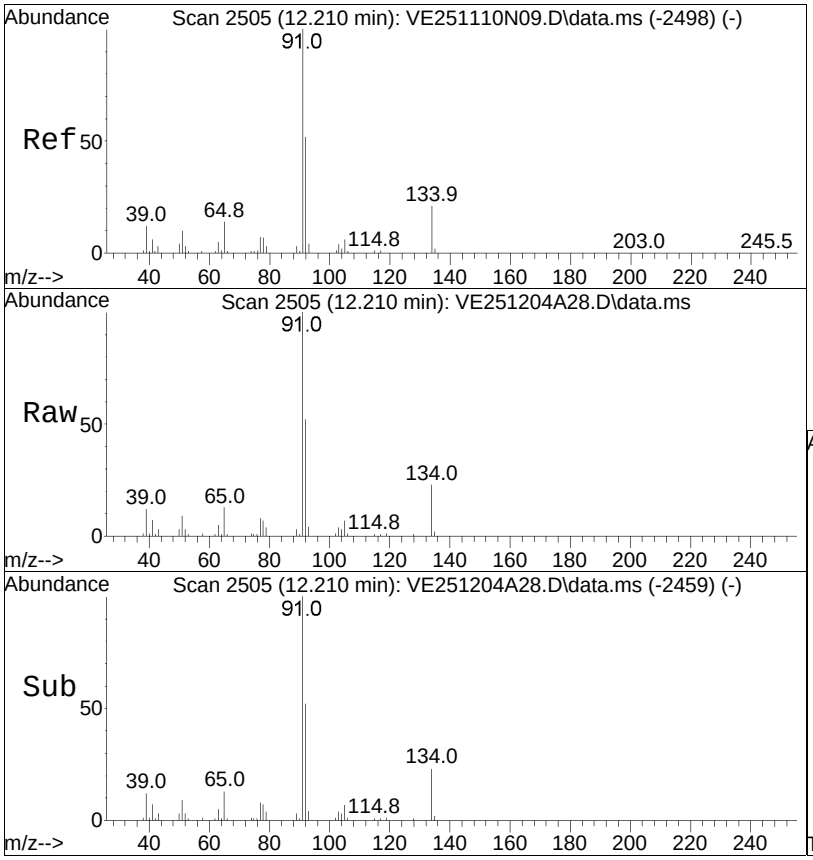


#107
p-Diethylbenzene
Concen: 9.31 ug/L
RT: 12.149 min Scan# 2491
Delta R.T. -0.004 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:119 Resp: 143964

Ion	Ratio	Lower	Upper
119	100		
105	84.1	55.8	115.8
134	44.4	29.2	60.6

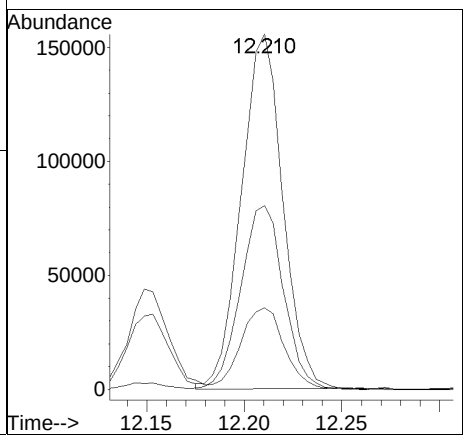


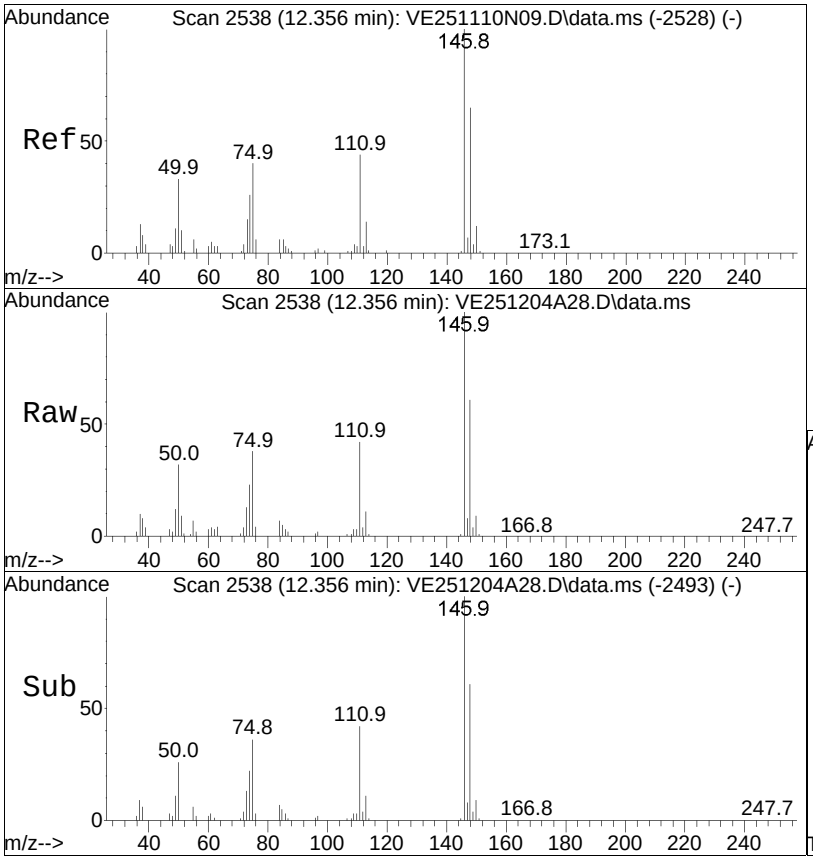


#108
n-Butylbenzene
Concen: 9.04 ug/L
RT: 12.210 min Scan# 2505
Delta R.T. 0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion: 91 Resp: 230189

Ion	Ratio	Lower	Upper
91	100		
92	53.7	41.4	62.0
134	24.4	18.8	28.2

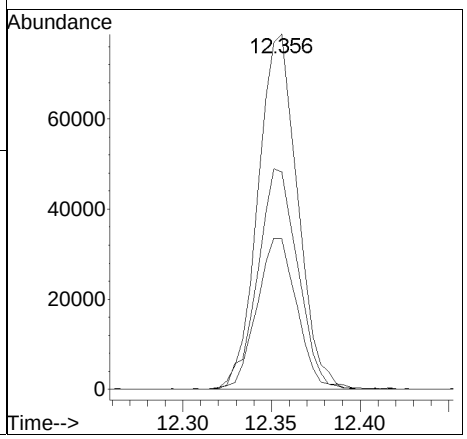


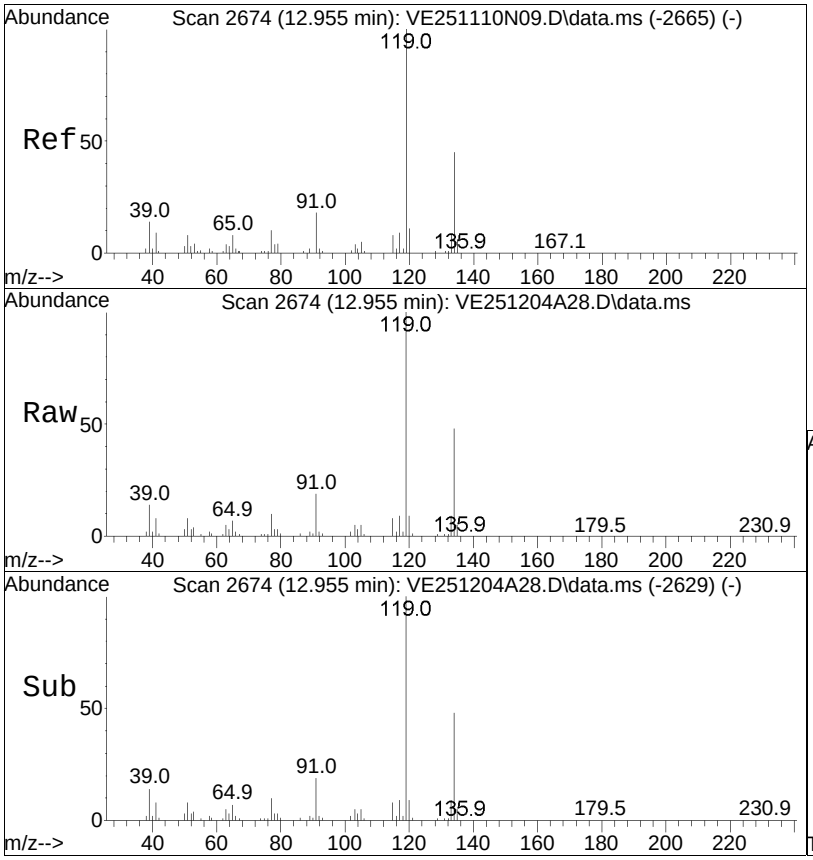


#109
1,2-Dichlorobenzene
Concen: 10.15 ug/L
RT: 12.356 min Scan# 2538
Delta R.T. -0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:146 Resp: 122418

Ion	Ratio	Lower	Upper
146	100		
111	43.0	29.4	61.0
148	62.9	40.4	83.8

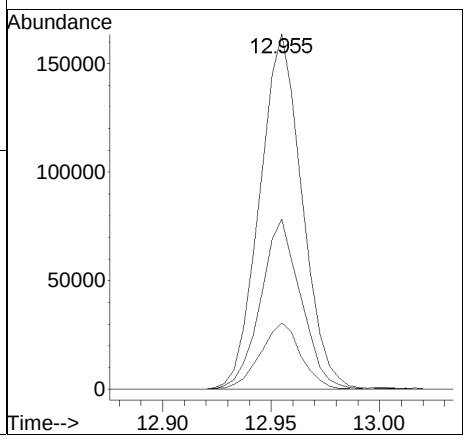


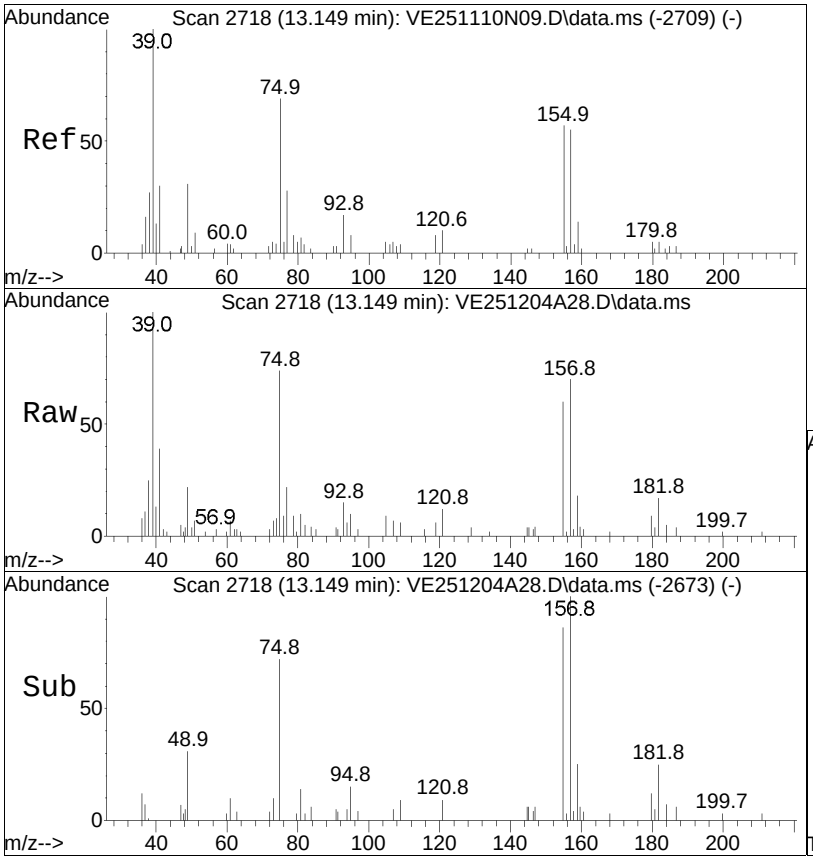


#110
1,2,4,5-Tetramethylbenzene
Concen: 8.52 ug/L
RT: 12.955 min Scan# 2674
Delta R.T. -0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:119 Resp: 222725

Ion	Ratio	Lower	Upper
119	100		
134	45.5	29.6	61.6
91	18.0	12.4	25.8

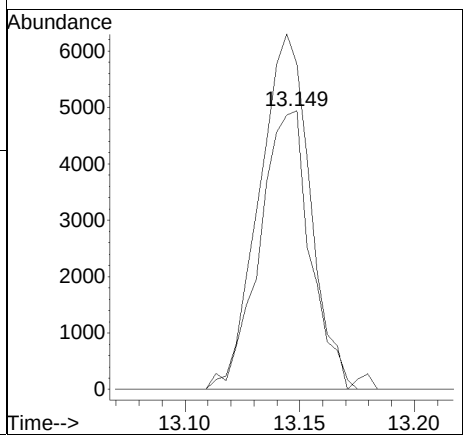


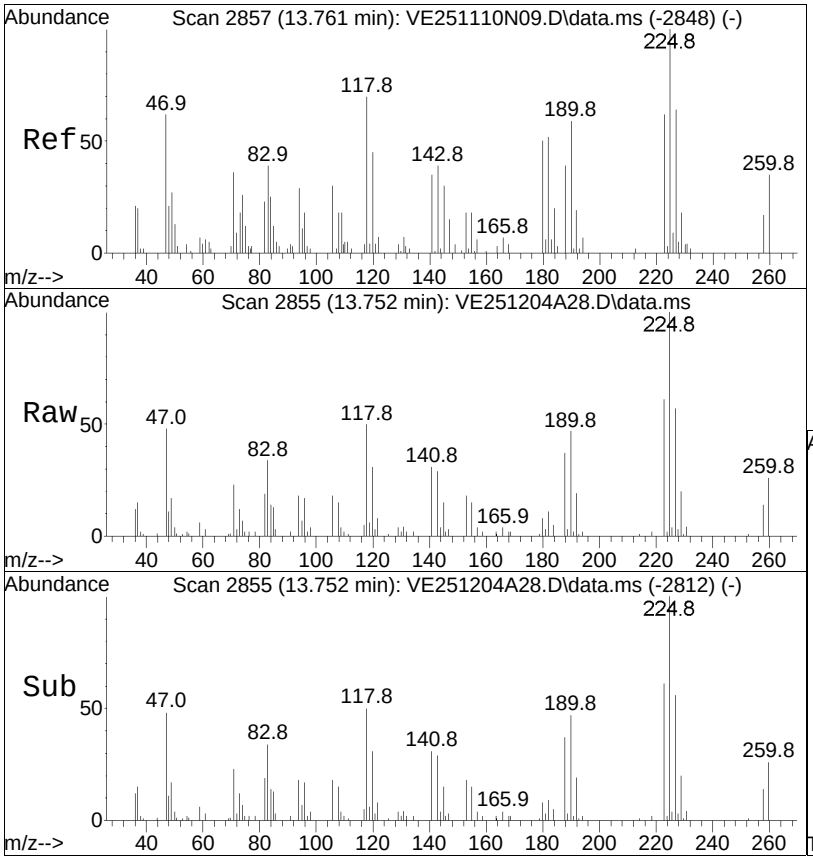


#111
1,2-Dibromo-3-chloropropane
Concen: 9.77 ug/L
RT: 13.149 min Scan# 2718
Delta R.T. -0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:155 Resp: 7611

Ion	Ratio	Lower	Upper
155	100		
157	127.5	101.0	151.4

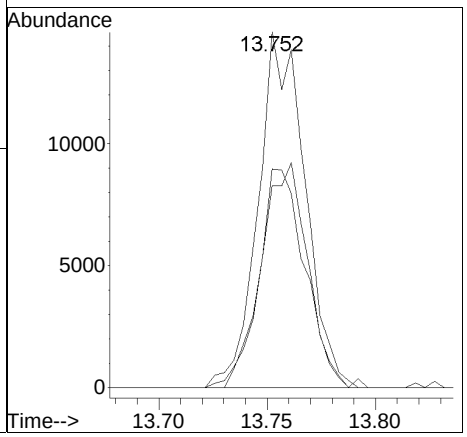


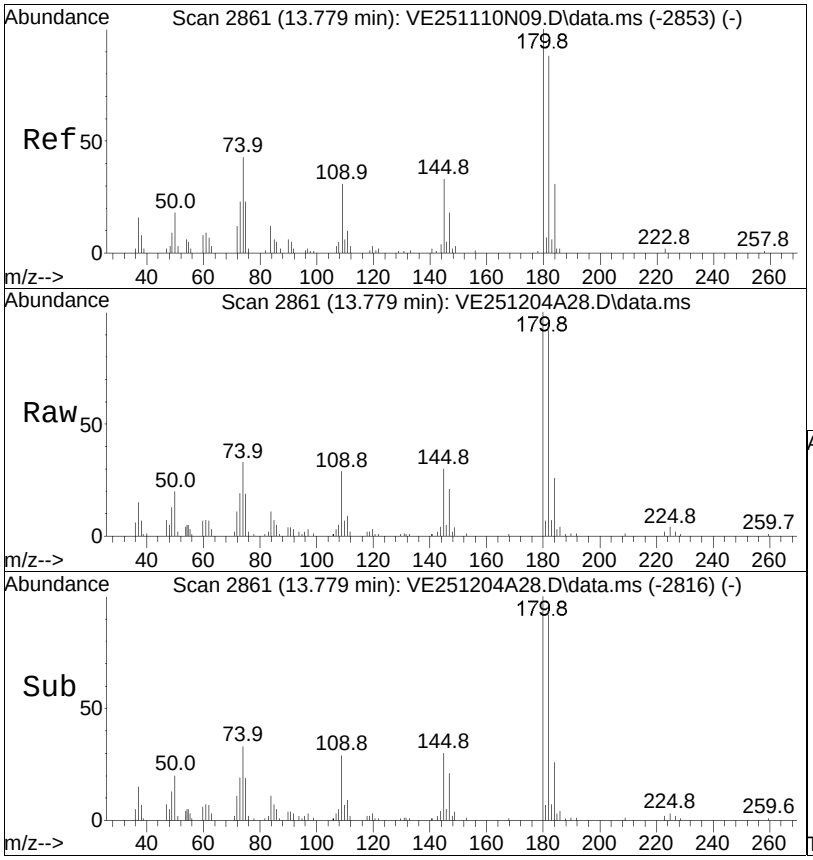


#113
Hexachlorobutadiene
Concen: 10.73 ug/L
RT: 13.752 min Scan# 2855
Delta R.T. -0.009 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:225 Resp: 21806

Ion	Ratio	Lower	Upper
225	100		
223	61.2	53.8	80.8
227	62.8	52.1	78.1

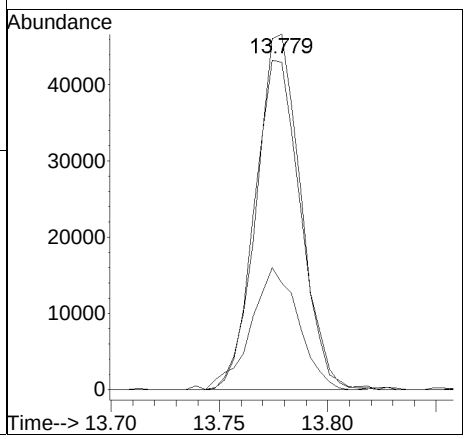


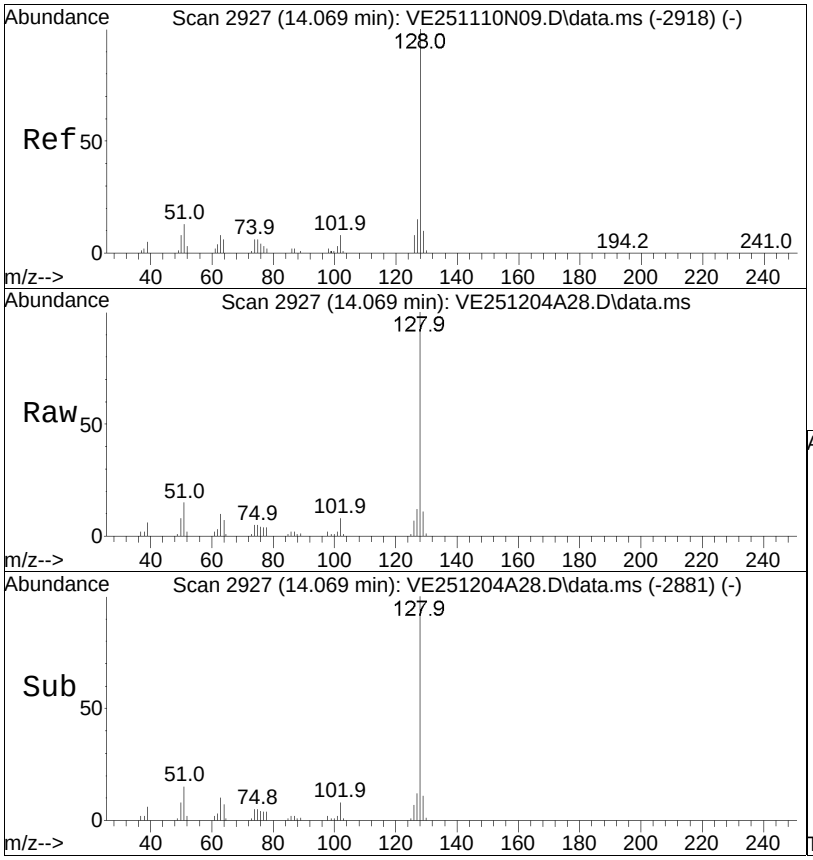


#114
1,2,4-Trichlorobenzene
Concen: 10.22 ug/L
RT: 13.779 min Scan# 2861
Delta R.T. -0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:180 Resp: 66702

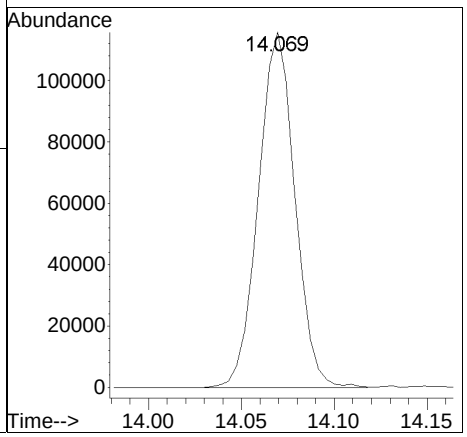
Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.1	112.7
145	36.6	29.6	44.4

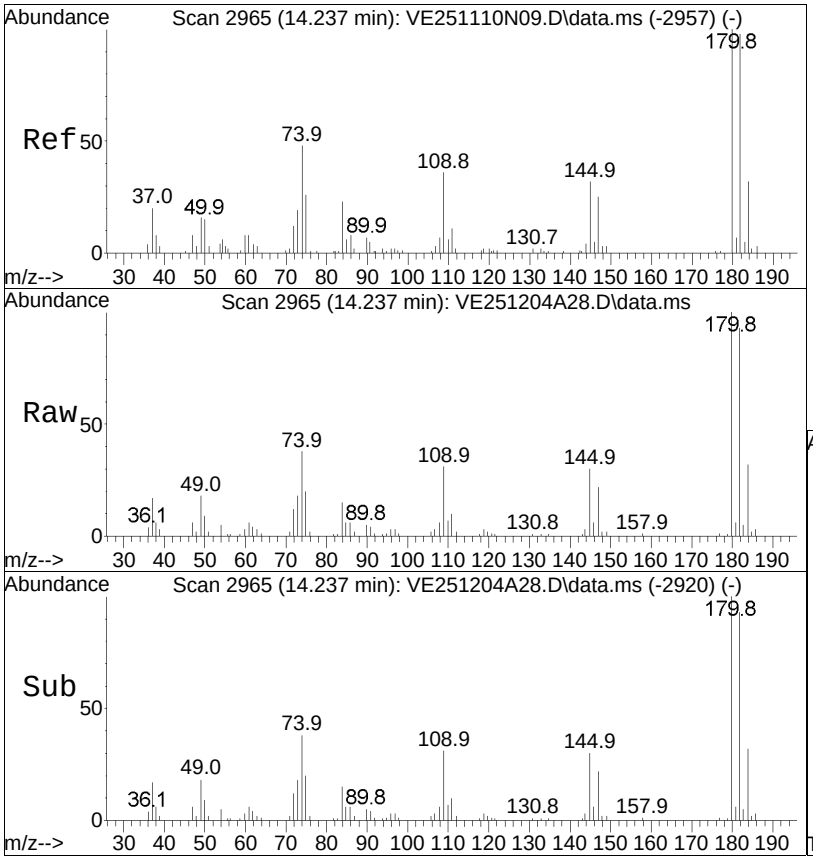




#115
Naphthalene
Concen: 9.70 ug/L
RT: 14.069 min Scan# 2927
Delta R.T. 0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:128 Resp: 157845

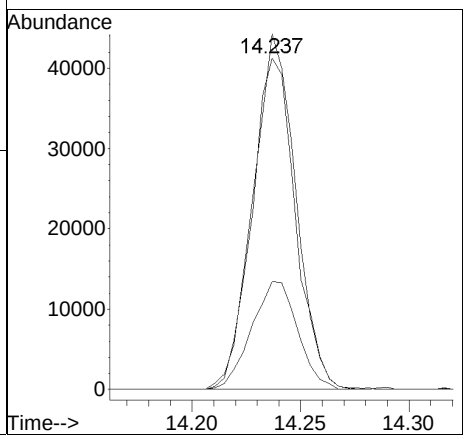




#116
1,2,3-Trichlorobenzene
Concen: 10.65 ug/L
RT: 14.237 min Scan# 2965
Delta R.T. -0.000 min
Lab File: VE251204A28.D
Acq: 4 Dec 2025 6:28 pm

Tgt Ion:180 Resp: 60649

Ion	Ratio	Lower	Upper
180	100		
182	95.1	78.9	118.3
145	32.7	27.7	41.5

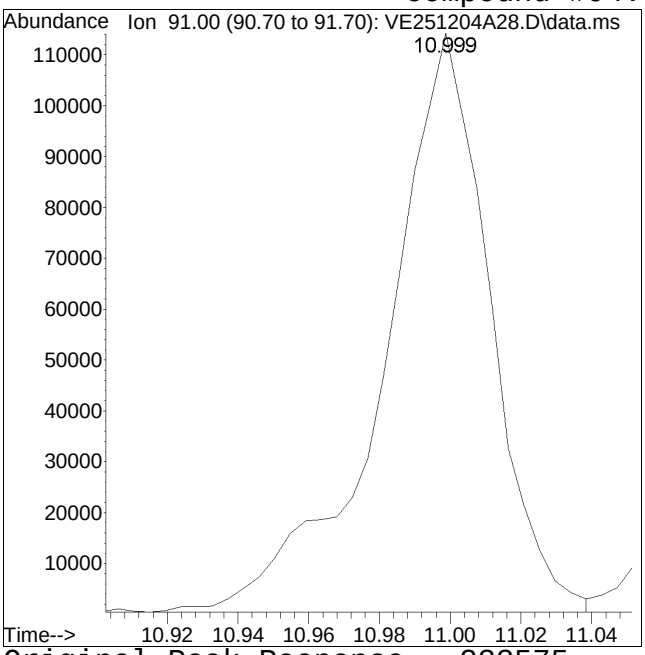


Manual Integration Report

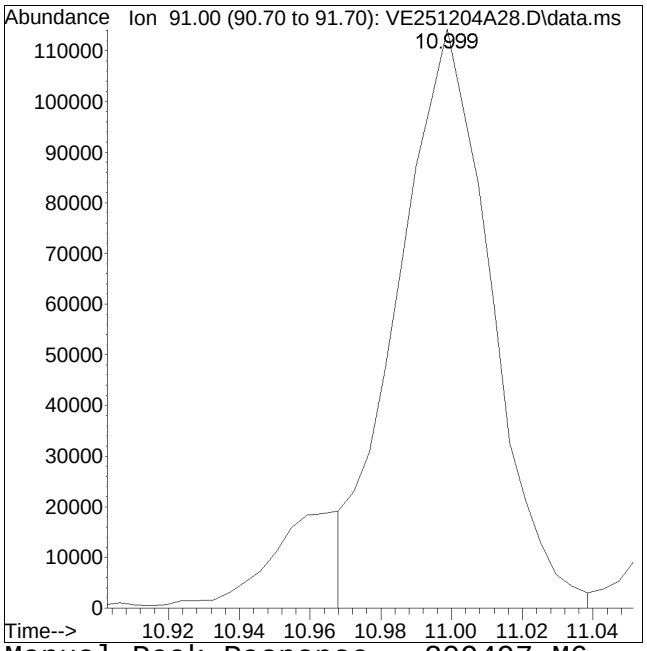
Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A28.D
Date Inj'd : 12/4/2025 6:28 pm
Sample : WG2149663-8,31,10,10,,A1

QMethod : Elaine_251111N_8260.m
Operator : ELAINE:MJV
Instrument : Elaine
Quant Date : 12/5/2025 5:54 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 233575



Manual Peak Response = 209497 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A27.D
Acq On : 4 Dec 2025 6:04 pm
Operator : ELAINE:MJV
Sample : WG2149663-7,31,10,10,,A2 (Sig #1); L2575144-06MSD,31,10,10,,A2 (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 05 06:05:53 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.629	96	204837	10.000	ug/L	0.00
Standard Area 1 = 228604			Recovery = 89.60%			
63) Chlorobenzene-d5	9.131	117	168404	10.000	ug/L	0.00
Standard Area 1 = 181694			Recovery = 92.69%			
84) 1,4-Dichlorobenzene-d4	11.911	152	96007	10.000	ug/L	0.00
Standard Area 1 = 98206			Recovery = 97.76%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.838	113	55477	9.826	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.26%			
47) 1,2-Dichloroethane-d4	5.353	65	78271	10.176	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.76%			
64) Toluene-d8	7.301	98	218199	9.682	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.82%			
88) 4-Bromofluorobenzene	10.664	95	88303	9.648	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.48%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.463	85	60901	9.072	ug/L	96
3) Chloromethane	1.640	50	92101	10.259	ug/L	96
4) Vinyl chloride	1.703	62	78843	11.279	ug/L	70
5) Bromomethane	1.984	94	17160	5.365	ug/L	96
6) Chloroethane	2.084	64	72611	15.946	ug/L	78
7) Trichlorofluoromethane	2.215	101	70859	8.569	ug/L	97
8) Ethyl ether	2.492	74	24824	9.180	ug/L	95
10) 1,1-Dichloroethene	2.673	96	43480	9.518	ug/L	99
11) Carbon disulfide	2.704	76	168668	10.910	ug/L	99
15) Methylene chloride	3.198	84	58574	10.537	ug/L	99
17) Acetone	3.239	43	31307	17.421	ug/L #	90
18) trans-1,2-Dichloroethene	3.339	96	43191	9.905	ug/L	91
21) Methyl tert-butyl ether	3.429	73	93811	9.255	ug/L #	93
25) 1,1-Dichloroethane	3.900	63	123198	10.489	ug/L	98
27) Acrylonitrile	3.946	53	21097	10.839	ug/L	90
29) Vinyl acetate	4.131	43	124120	9.271	ug/L	100
30) cis-1,2-Dichloroethene	4.408	96	56819	10.857	ug/L	87
31) 2,2-Dichloropropane	4.503	77	66951	9.052	ug/L	98
33) Bromochloromethane	4.598	128	24164	10.517	ug/L	83

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A27.D
Acq On : 4 Dec 2025 6:04 pm
Operator : ELAINE:MJV
Sample : WG2149663-7,31,10,10,,A2 (Sig #1); L2575144-06MSD,31,10,10,,A2 (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 05 06:05:53 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
35) Chloroform	4.671	83	92397	9.843	ug/L		97
37) Carbon tetrachloride	4.793	117	60123	10.741	ug/L		85
40) 1,1,1-Trichloroethane	4.865	97	76241	10.779	ug/L		94
42) 2-Butanone	4.947	43	27528	12.213	ug/L	#	70
43) 1,1-Dichloropropene	4.974	75	57086	9.538	ug/L		97
45) Benzene	5.217	78	189945	10.003	ug/L		99
48) 1,2-Dichloroethane	5.414	62	82945	10.564	ug/L		99
52) Trichloroethene	5.805	95	45899	10.022	ug/L		98
54) Dibromomethane	6.235	93	29333	10.393	ug/L		97
55) 1,2-Dichloropropane	6.340	63	58135	9.661	ug/L		96
58) Bromodichloromethane	6.419	83	64757	9.935	ug/L	#	96
61) 1,4-Dioxane	6.625	88	19646	539.534	ug/L		95
62) cis-1,3-Dichloropropene	7.095	75	63064	8.803	ug/L		95
65) Toluene	7.363	92	118695	9.500	ug/L		96
66) 4-Methyl-2-pentanone	7.793	58	16720	10.349	ug/L	#	90
67) Tetrachloroethene	7.797	166	41216	9.268	ug/L		98
69) trans-1,3-Dichloropropene	7.845	75	59946	8.033	ug/L		99
72) 1,1,2-Trichloroethane	8.021	83	28373	8.737	ug/L		93
73) Chlorodibromomethane	8.231	129	37681	8.623	ug/L		97
74) 1,3-Dichloropropane	8.345	76	67180	9.316	ug/L		99
75) 1,2-Dibromoethane	8.499	107	33454	8.687	ug/L		95
77) 2-Hexanone	8.789	43	38168	9.864	ug/L		95
78) Chlorobenzene	9.148	112	134983	9.658	ug/L		99
79) Ethylbenzene	9.188	91	241729	9.262	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.236	131	39141	9.239	ug/L		96
81) p/m Xylene	9.377	106	183898	18.042	ug/L		96
82) o Xylene	9.921	106	188492	18.660	ug/L		98
83) Styrene	9.991	104	301470	17.090	ug/L		99
85) Bromoform	10.017	173	22346	8.118	ug/L		98
87) Isopropylbenzene	10.329	105	236193	8.449	ug/L		99
89) Bromobenzene	10.778	156	53474	9.209	ug/L		97
90) n-Propylbenzene	10.831	91	305153	8.665	ug/L		99
92) 1,1,2,2-Tetrachloroethane	10.928	83	50041	9.487	ug/L		96
93) 4-Ethyltoluene	10.963	105	244192	8.890	ug/L		99
94) 2-Chlorotoluene	10.999	91	187695M6	8.845	ug/L		
95) 1,3,5-Trimethylbenzene	11.065	105	212003	8.613	ug/L		99
96) 1,2,3-Trichloropropane	11.065	75	42531	9.065	ug/L		96
97) trans-1,4-Dichloro-2-b...	11.118	53	19154	8.066	ug/L		96

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A27.D
Acq On : 4 Dec 2025 6:04 pm
Operator : ELAINE:MJV
Sample : WG2149663-7,31,10,10,,A2 (Sig #1); L2575144-06MSD,31,10,10,,A2 (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 05 06:05:53 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 4-Chlorotoluene	11.188	91	190239	8.864	ug/L	98
99) tert-Butylbenzene	11.413	119	173853	8.711	ug/L	98
102) 1,2,4-Trimethylbenzene	11.492	105	215868	8.793	ug/L	98
103) sec-Butylbenzene	11.607	105	255792	8.370	ug/L	97
104) p-Isopropyltoluene	11.770	119	213544	8.338	ug/L	99
105) 1,3-Dichlorobenzene	11.831	146	115777	9.104	ug/L	98
106) 1,4-Dichlorobenzene	11.924	146	113094	8.967	ug/L	98
107) p-Diethylbenzene	12.153	119	126060	8.324	ug/L	99
108) n-Butylbenzene	12.210	91	205651	8.246	ug/L	99
109) 1,2-Dichlorobenzene	12.356	146	111892	9.473	ug/L	98
110) 1,2,4,5-Tetramethylben...	12.955	119	202365	7.903	ug/L	99
111) 1,2-Dibromo-3-chloropr...	13.144	155	7575	9.924	ug/L	94
113) Hexachlorobutadiene	13.761	225	17914	9.035	ug/L	97
114) 1,2,4-Trichlorobenzene	13.779	180	60108	9.398	ug/L	98
115) Naphthalene	14.069	128	157662	9.890	ug/L	100
116) 1,2,3-Trichlorobenzene	14.241	180	57325	10.275	ug/L	98

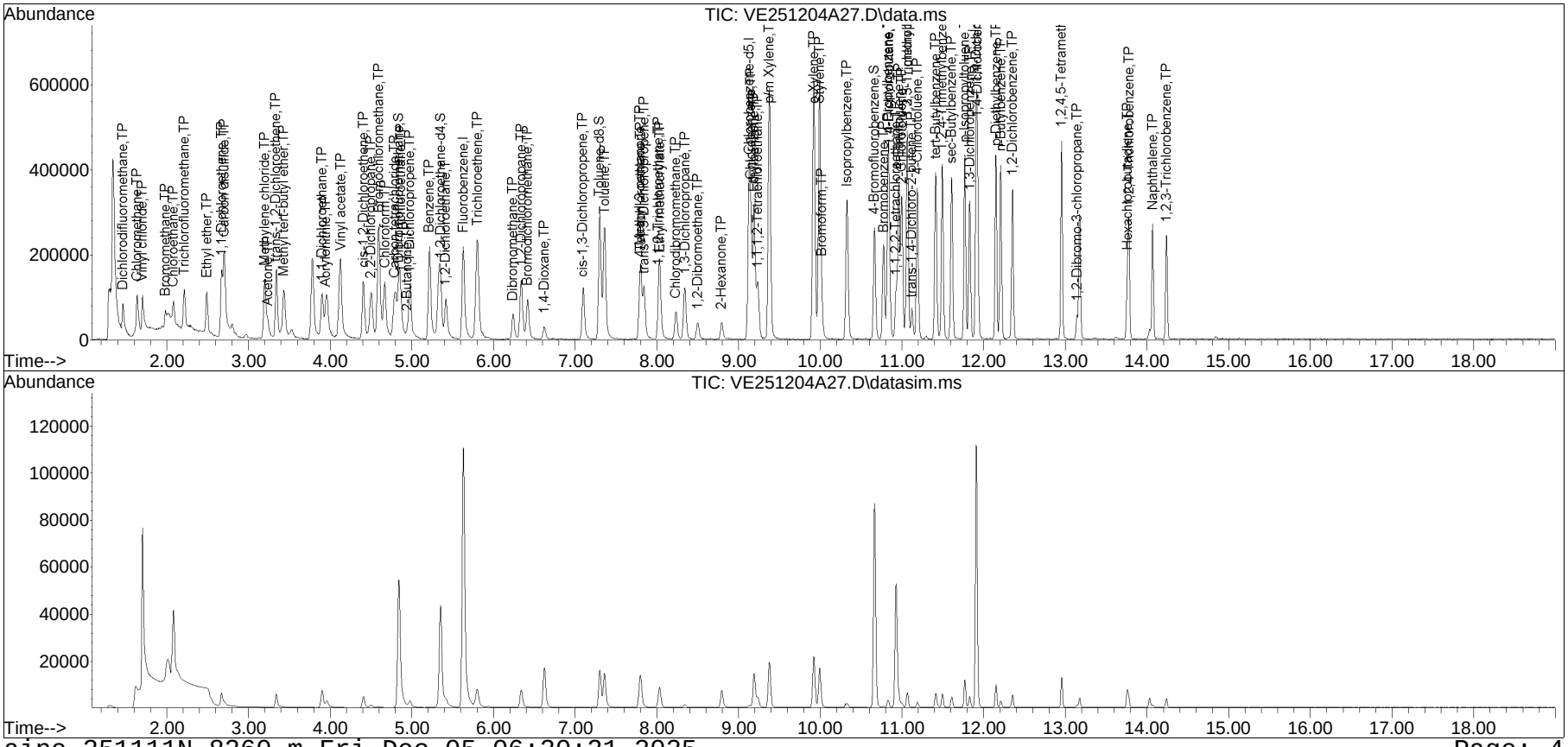
(#) = qualifier out of range (m) = manual integration (+) = signals summed

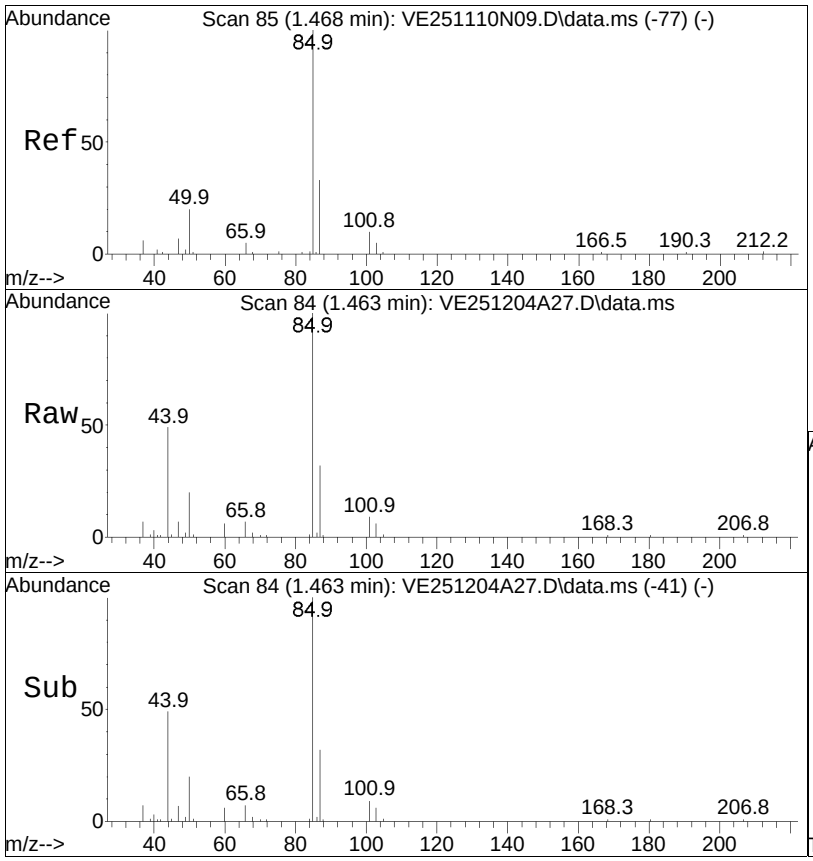
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A27.D
Acq On : 4 Dec 2025 6:04 pm
Operator : ELAINE:MJV
Sample : WG2149663-7,31,10,10,,A2 (Sig #1); L2575144-06MSD,31,10,10,,A2 (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 05 06:05:53 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox51204A01.D•

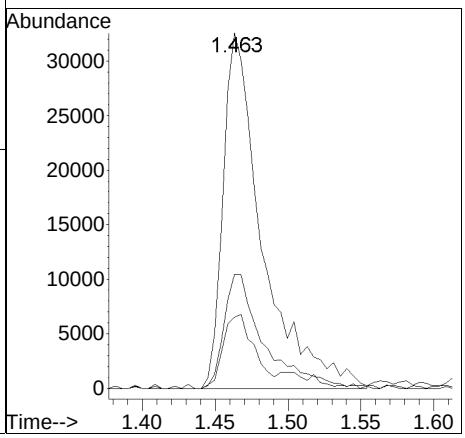


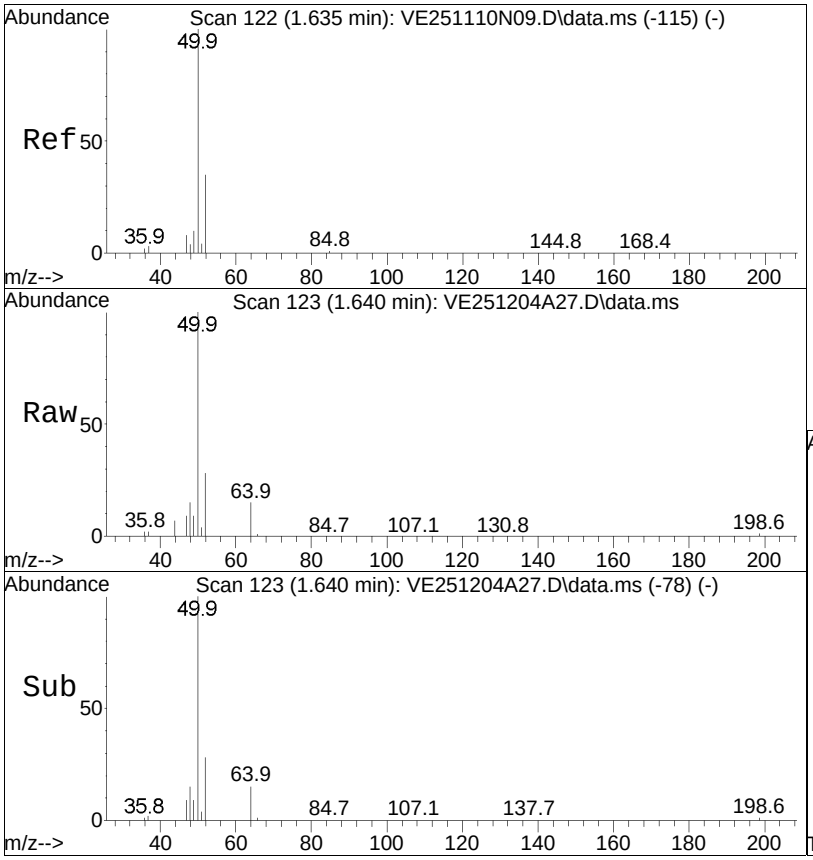


#2
Dichlorodifluoromethane
Concen: 9.07 ug/L
RT: 1.463 min Scan# 84
Delta R.T. -0.005 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 85 Resp: 60901

Ion	Ratio	Lower	Upper
85	100		
87	32.7	20.6	42.8
50	16.5	12.9	26.9

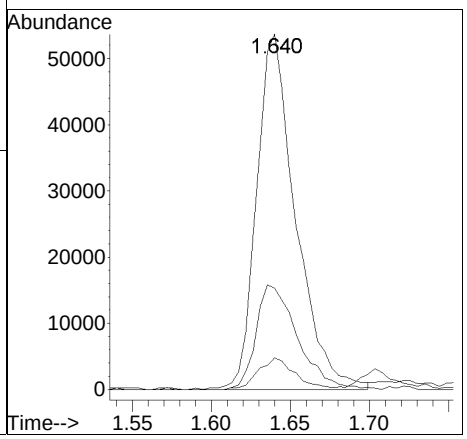


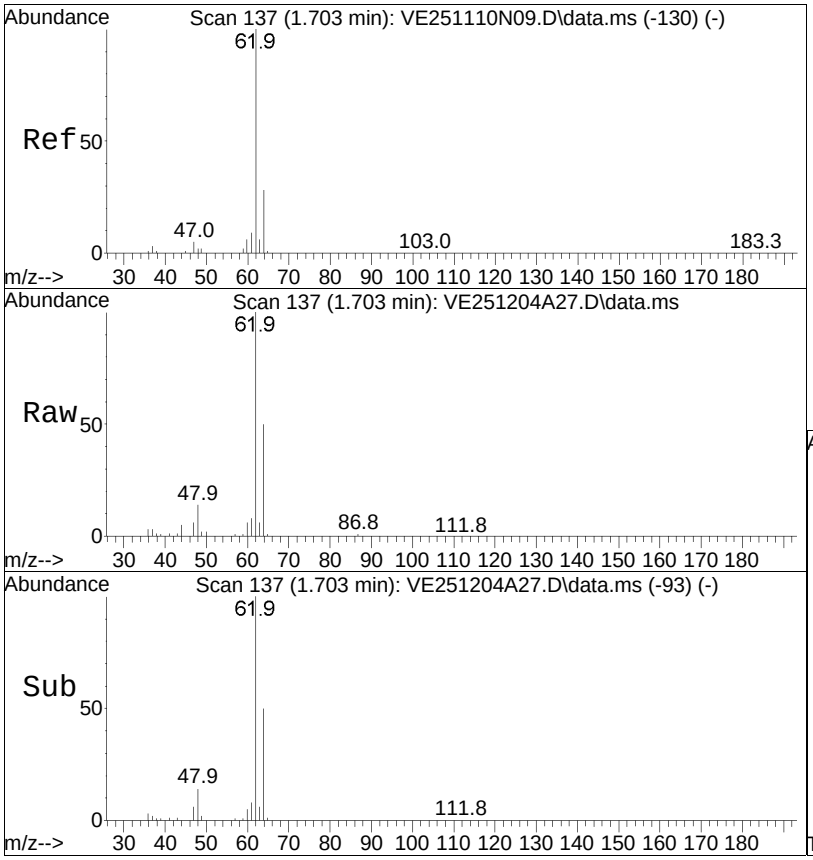


#3
Chloromethane
Concen: 10.26 ug/L
RT: 1.640 min Scan# 123
Delta R.T. 0.005 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 50 Resp: 92101

Ion	Ratio	Lower	Upper
50	100		
52	31.2	13.7	53.7
47	8.3	0.0	27.6

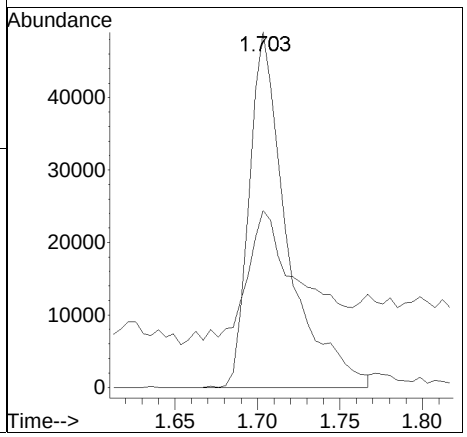


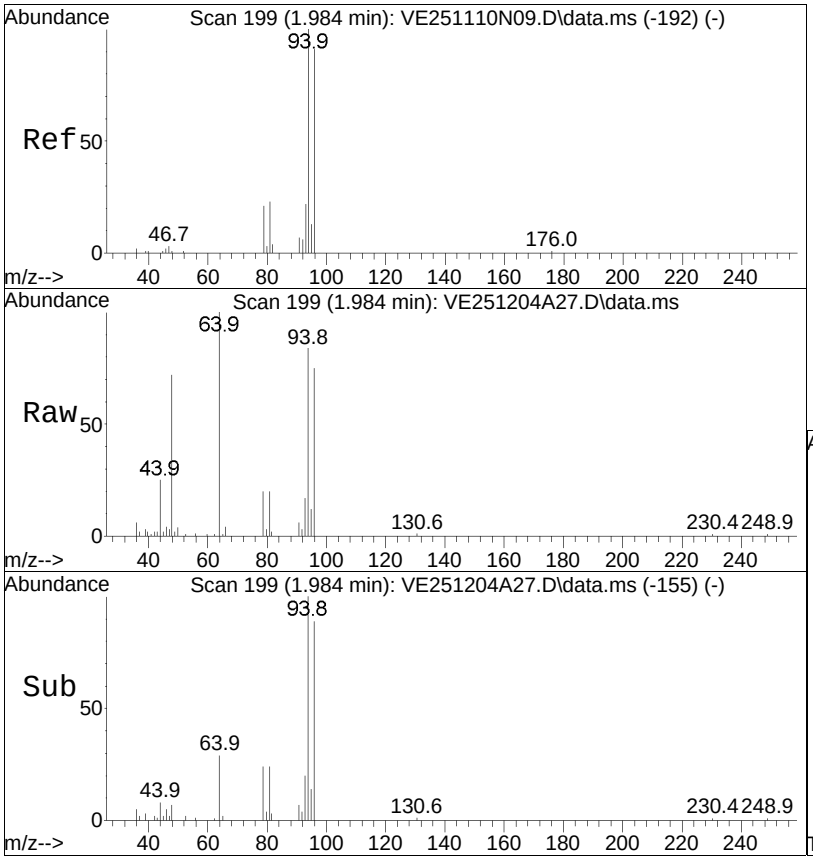


#4
Vinyl chloride
Concen: 11.28 ug/L
RT: 1.703 min Scan# 137
Delta R.T. 0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 62 Resp: 78843

Ion	Ratio	Lower	Upper
62	100		
64	47.2	10.6	50.6

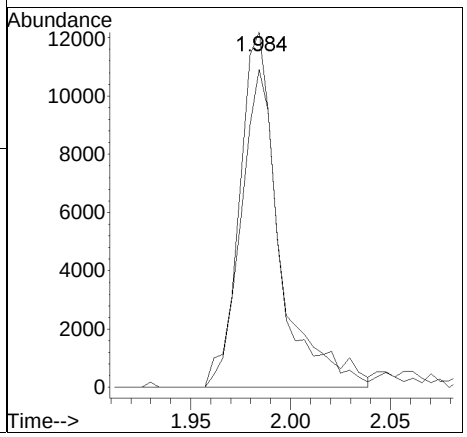


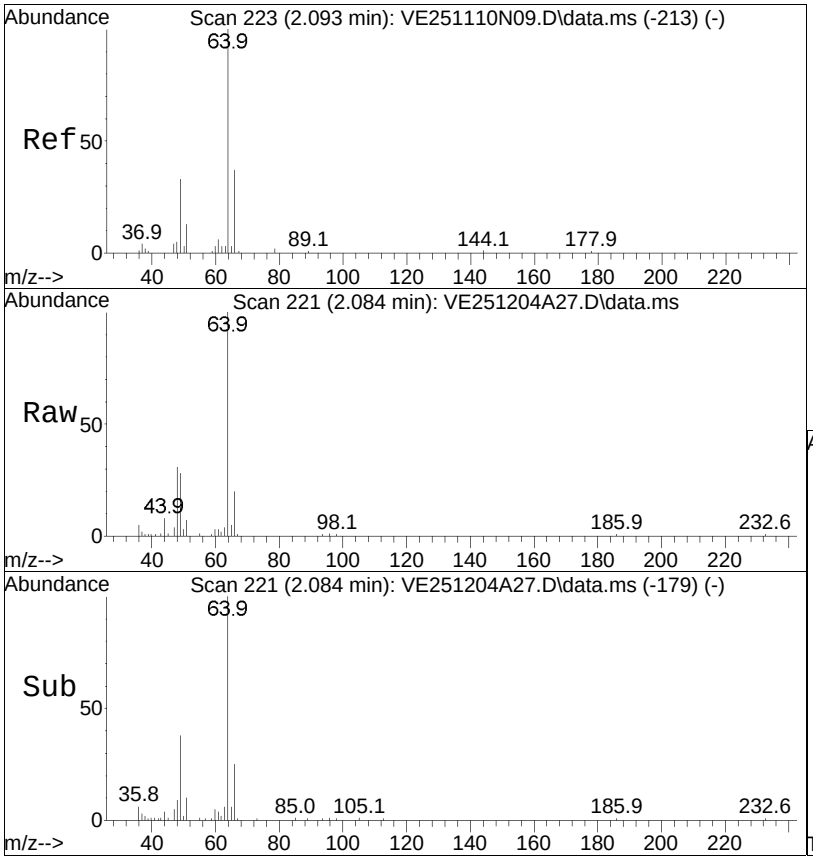


#5
Bromomethane
Concen: 5.37 ug/L
RT: 1.984 min Scan# 199
Delta R.T. 0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 94 Resp: 17160

Ion	Ratio	Lower	Upper
94	100		
96	87.9	71.9	111.9

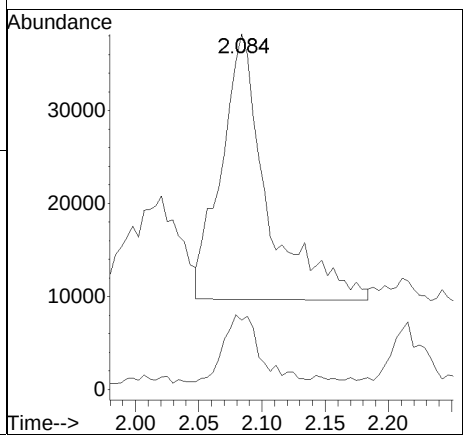


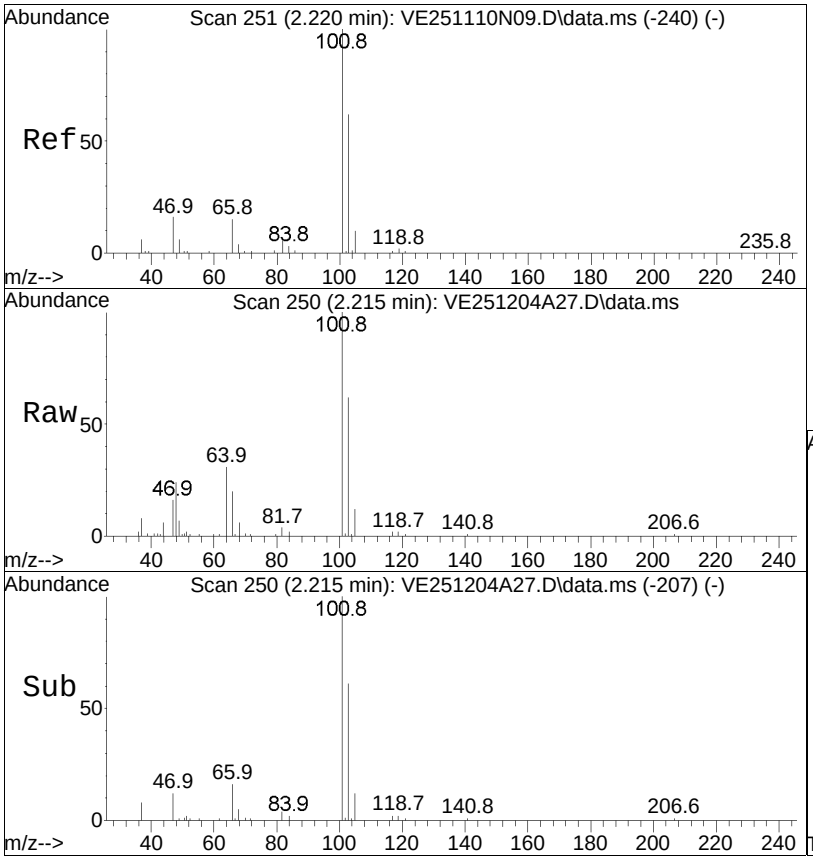


#6
Chloroethane
Concen: 15.95 ug/L
RT: 2.084 min Scan# 221
Delta R.T. -0.009 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 64 Resp: 72611

Ion	Ratio	Lower	Upper
64	100		
66	19.7	12.2	52.2

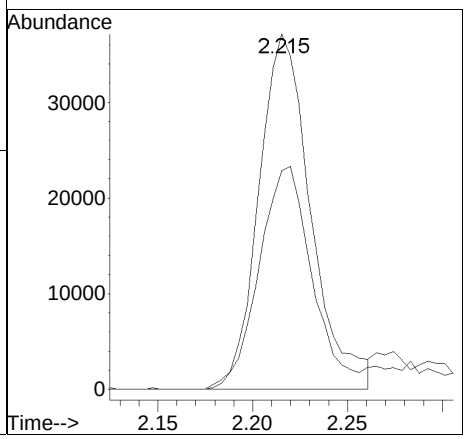


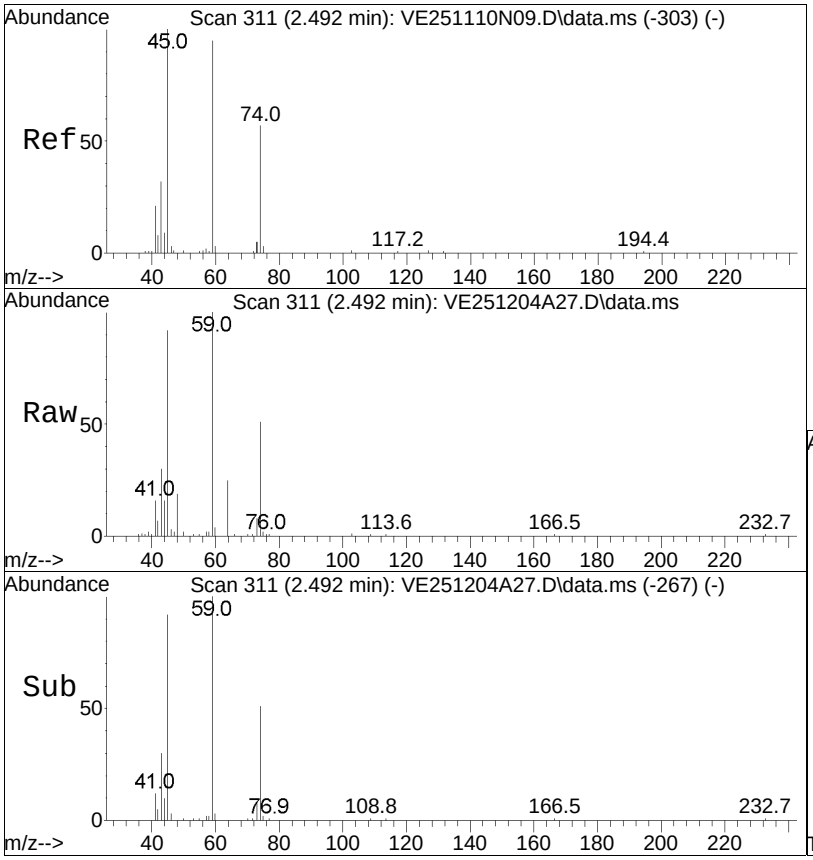


#7
Trichlorofluoromethane
Concen: 8.57 ug/L
RT: 2.215 min Scan# 250
Delta R.T. -0.005 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:101 Resp: 70859

Ion	Ratio	Lower	Upper
101	100		
103	63.7	49.4	74.0

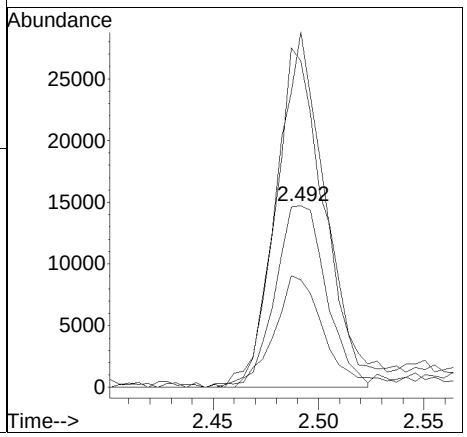


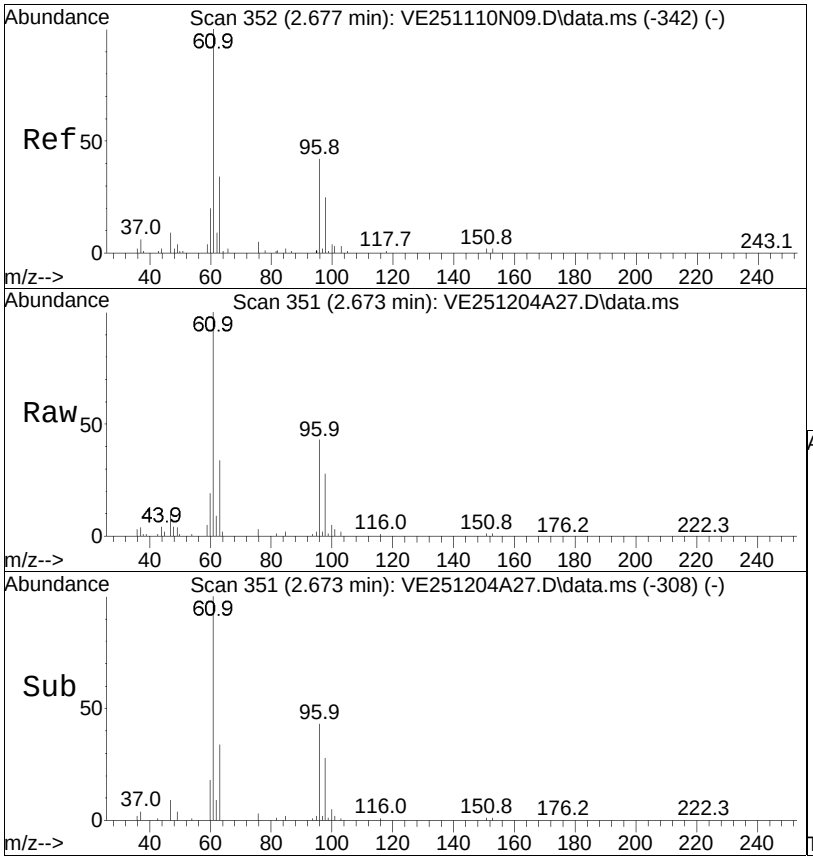


#8
Ethyl ether
Concen: 9.18 ug/L
RT: 2.492 min Scan# 311
Delta R.T. -0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 74 Resp: 24824

Ion	Ratio	Lower	Upper
74	100		
59	189.3	114.5	237.9
45	184.9	120.8	250.8
43	60.7	42.9	89.1

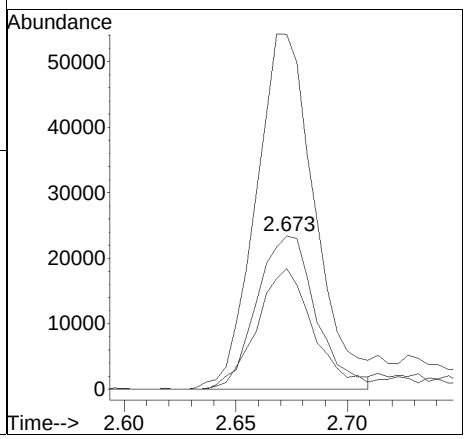


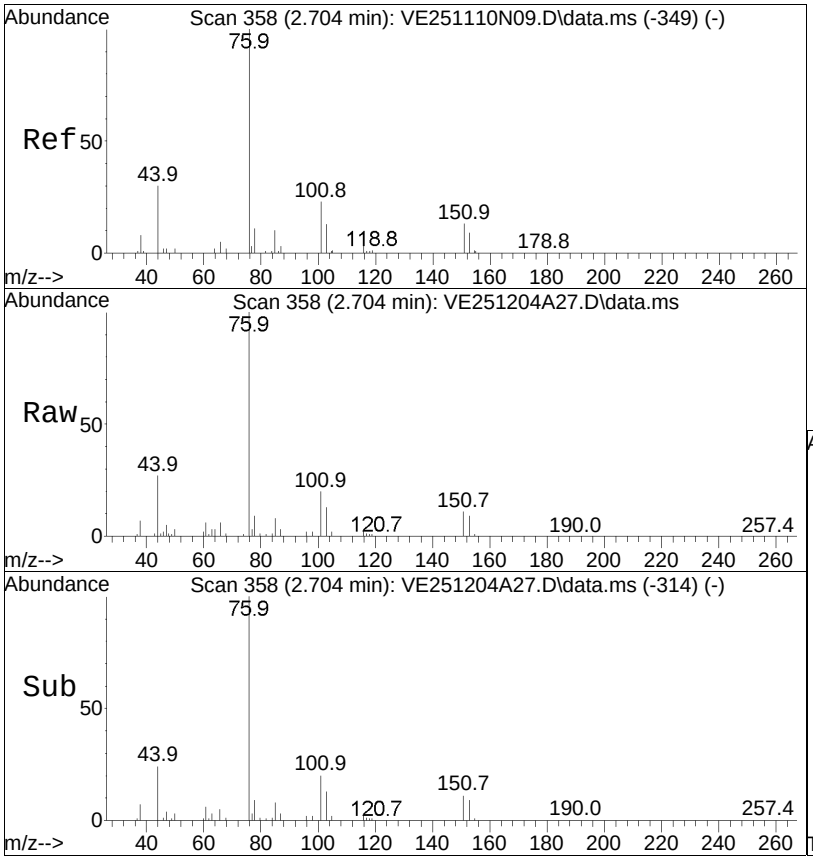


#10
1,1-Dichloroethene
Concen: 9.52 ug/L
RT: 2.673 min Scan# 351
Delta R.T. -0.004 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 96 Resp: 43480

Ion	Ratio	Lower	Upper
96	100		
61	236.9	190.2	285.2
63	74.3	59.9	89.9

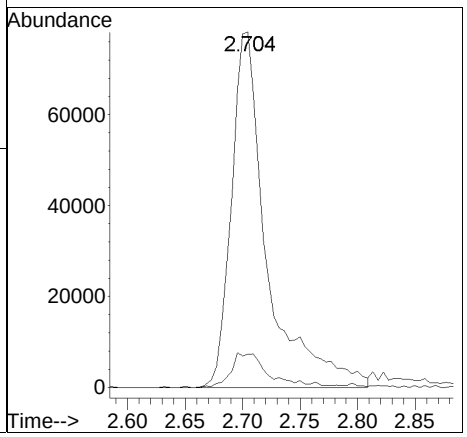


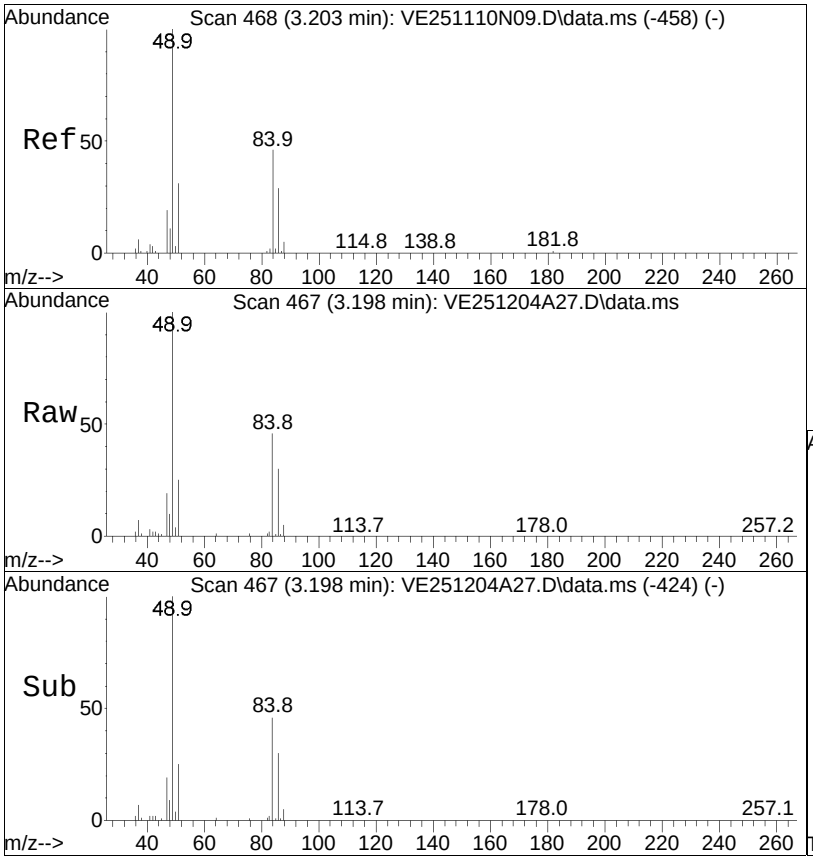


#11
Carbon disulfide
Concen: 10.91 ug/L
RT: 2.704 min Scan# 358
Delta R.T. 0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 76 Resp: 168668

Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.6	13.8

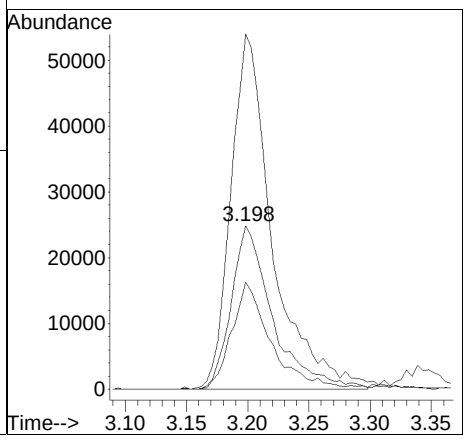


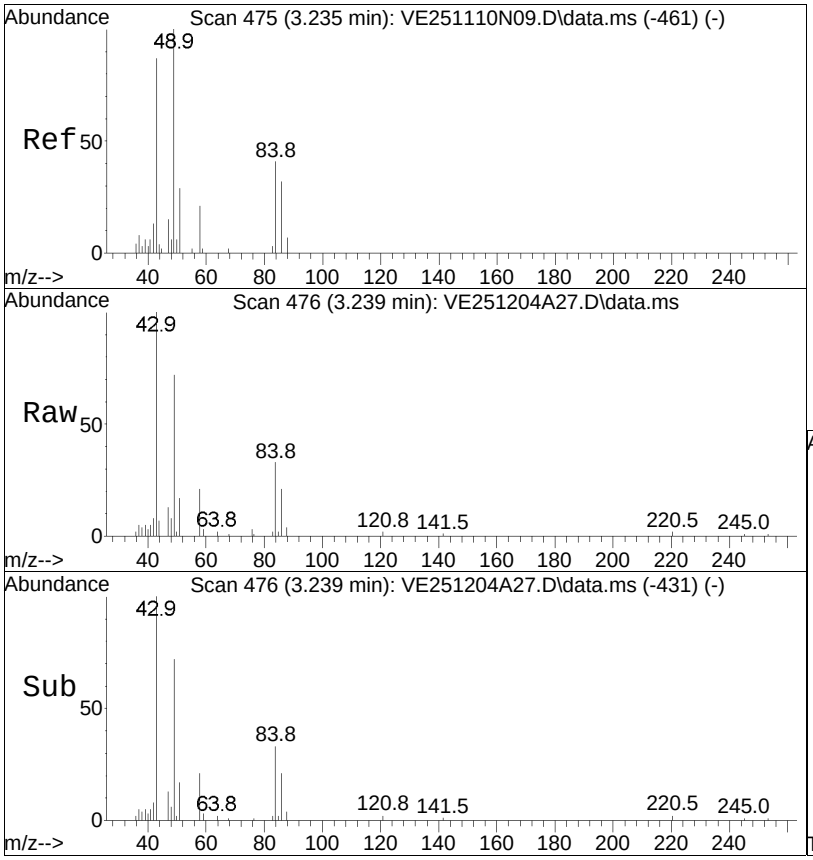


#15
Methylene chloride
Concen: 10.54 ug/L
RT: 3.198 min Scan# 467
Delta R.T. -0.005 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 84 Resp: 58574

Ion	Ratio	Lower	Upper
84	100		
86	61.7	41.8	86.8
49	218.6	141.8	294.6

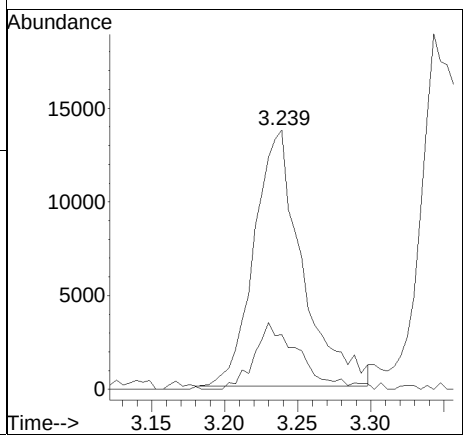


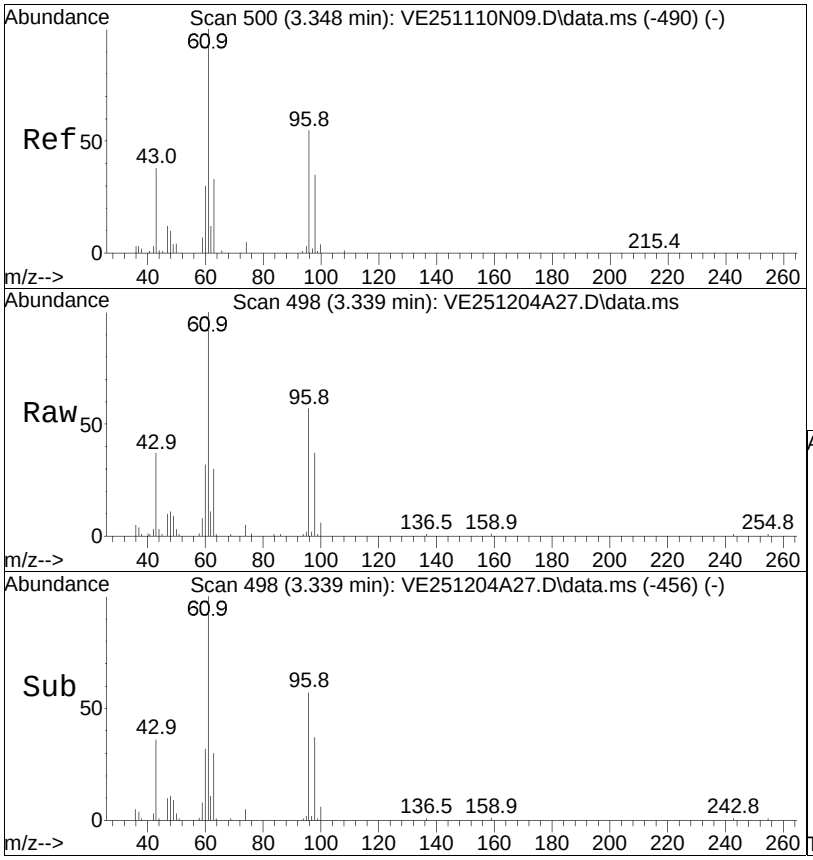


#17
Acetone
Concen: 17.42 ug/L
RT: 3.239 min Scan# 476
Delta R.T. 0.004 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 43 Resp: 31307

Ion	Ratio	Lower	Upper
43	100		
58	24.9	16.2	24.4#

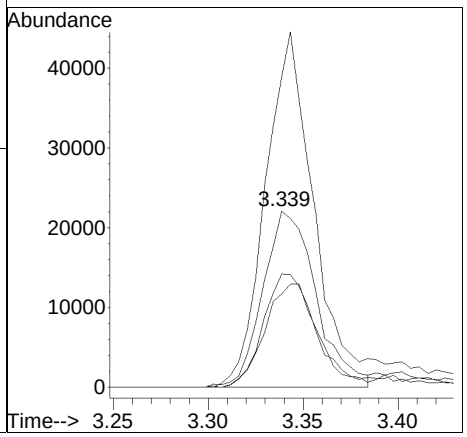


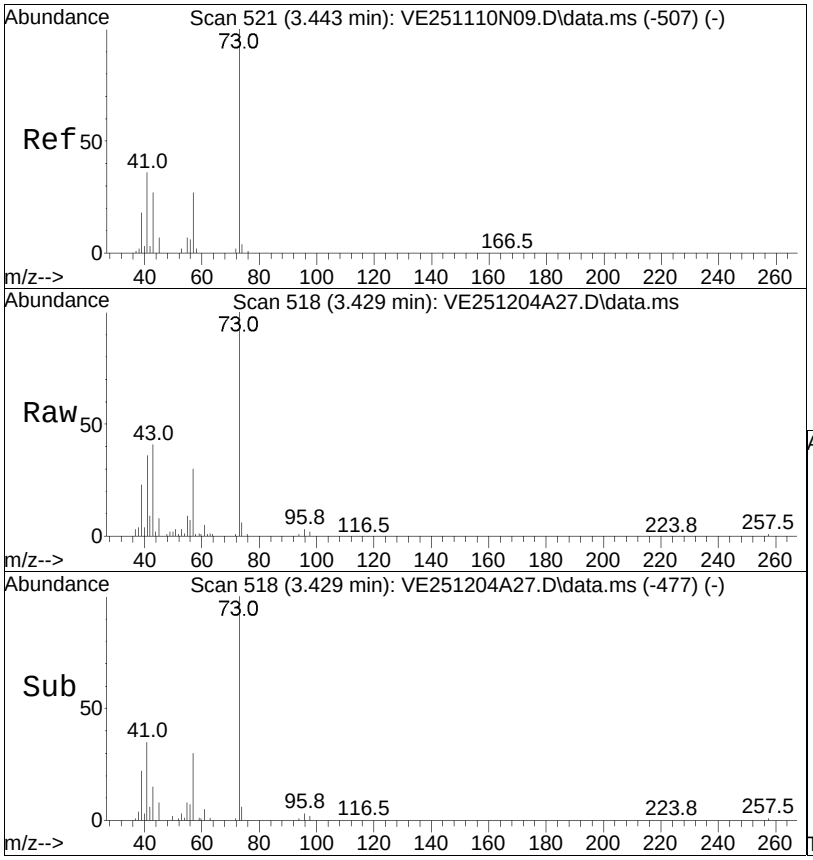


#18
trans-1,2-Dichloroethene
Concen: 9.90 ug/L
RT: 3.339 min Scan# 498
Delta R.T. -0.009 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 96 Resp: 43191

Ion	Ratio	Lower	Upper
96	100		
61	201.3	118.2	245.6
98	62.6	41.9	86.9
63	58.6	39.4	81.8

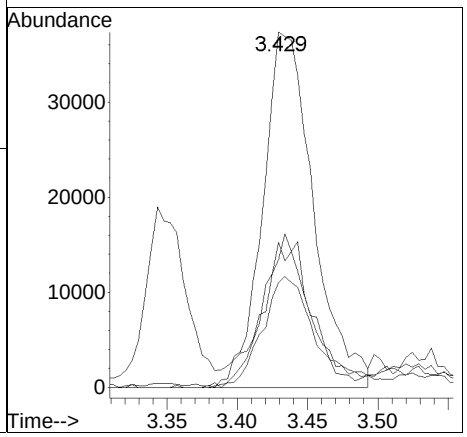


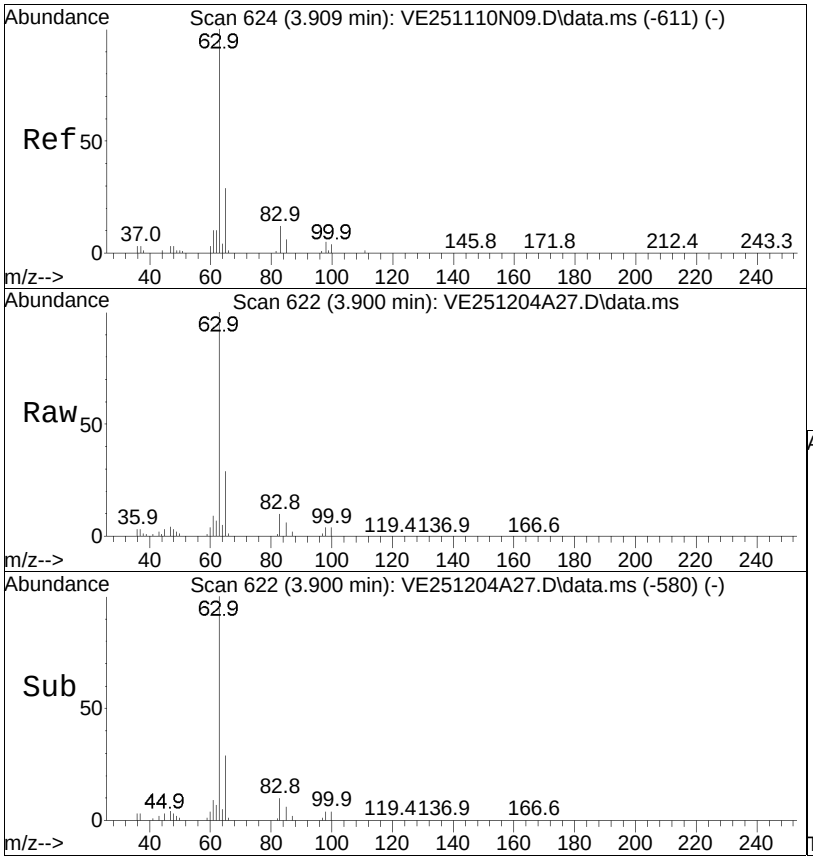


#21
Methyl tert-butyl ether
Concen: 9.26 ug/L
RT: 3.429 min Scan# 518
Delta R.T. -0.014 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 73 Resp: 93811

Ion	Ratio	Lower	Upper
73	100		
57	30.7	21.3	44.1
43	37.3	0.0	0.0#
41	40.2	30.0	62.2

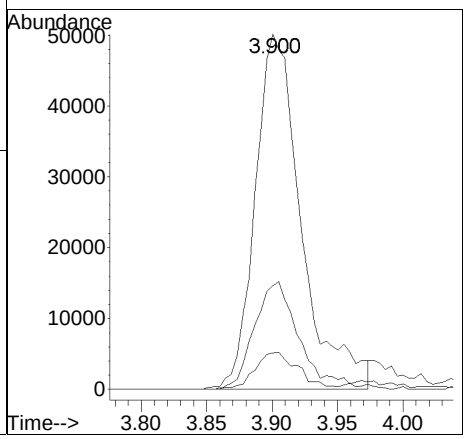


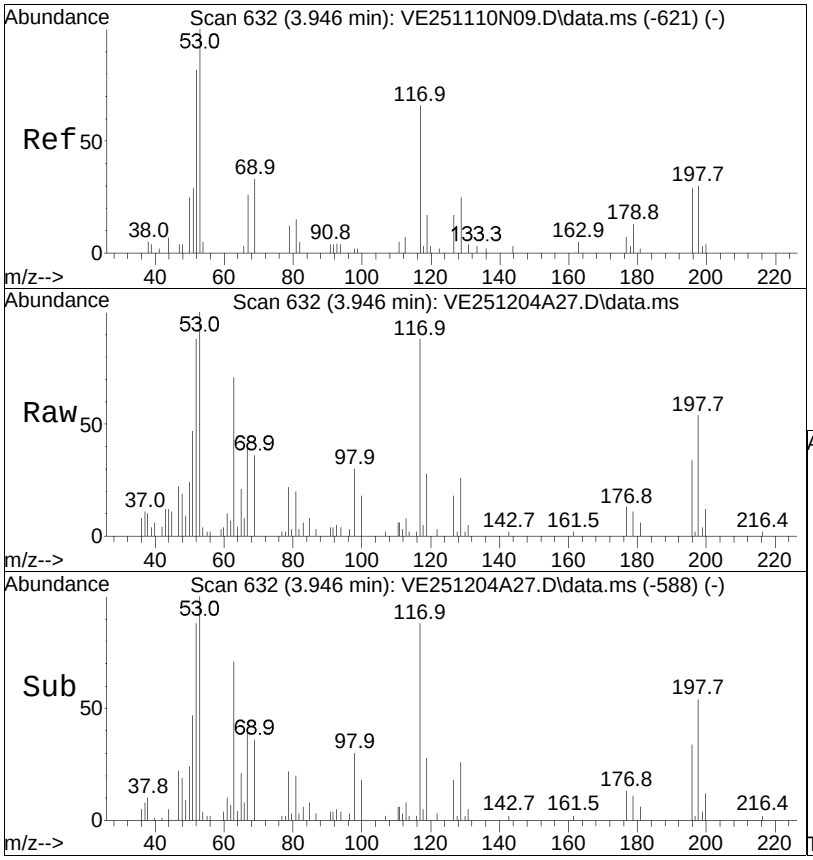


#25
1,1-Dichloroethane
Concen: 10.49 ug/L
RT: 3.900 min Scan# 622
Delta R.T. -0.009 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 63 Resp: 123198

Ion	Ratio	Lower	Upper
63	100		
65	29.3	8.6	48.6
83	9.9	0.0	30.7

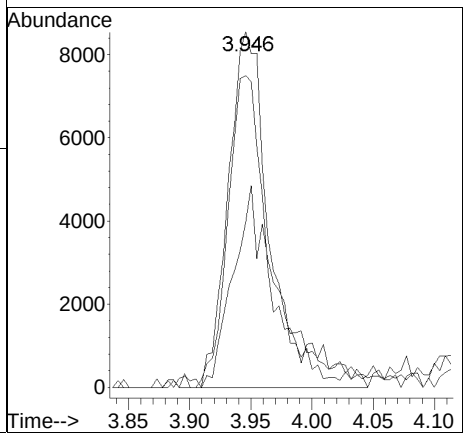


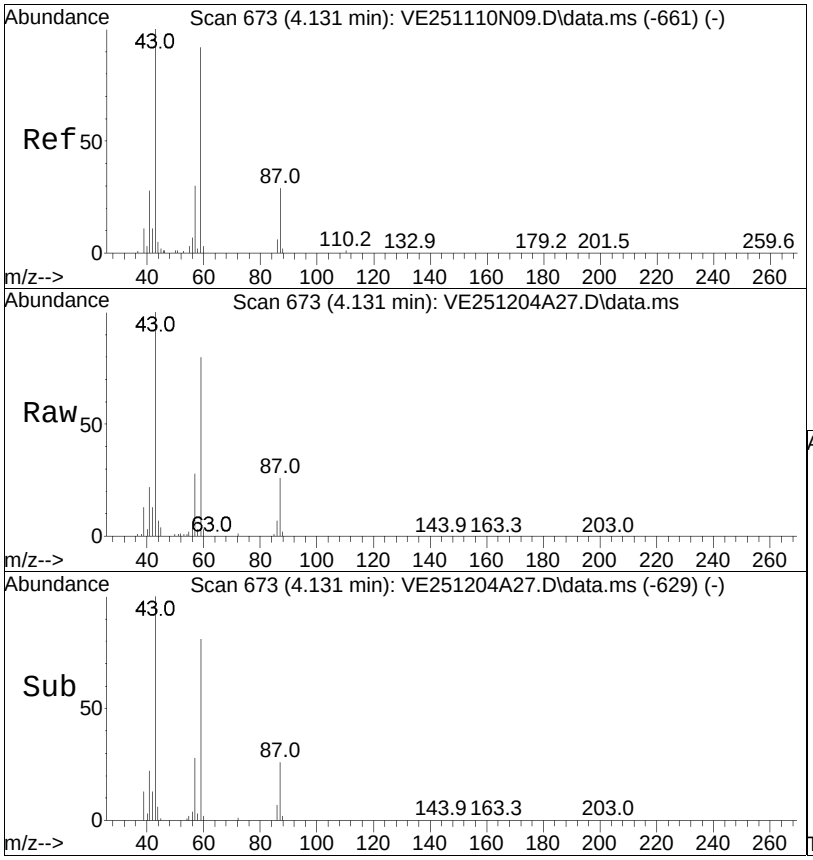


#27
Acrylonitrile
Concen: 10.84 ug/L
RT: 3.946 min Scan# 632
Delta R.T. -0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 53 Resp: 21097

Ion	Ratio	Lower	Upper
53	100		
52	77.2	69.8	104.6
51	55.2	50.4	75.6

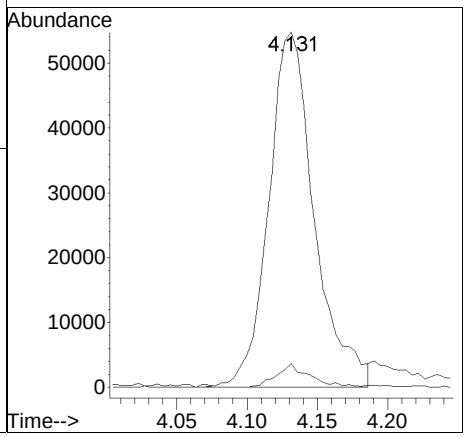


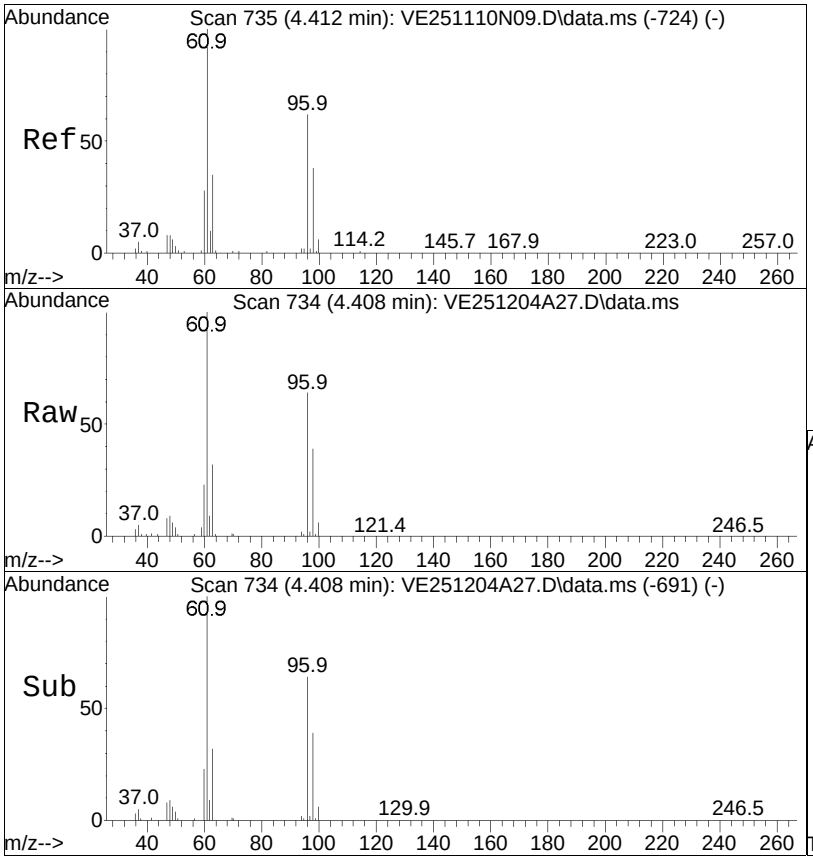


#29
Vinyl acetate
Concen: 9.27 ug/L
RT: 4.131 min Scan# 673
Delta R.T. 0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 43 Resp: 124120

Ion	Ratio	Lower	Upper
43	100		
86	4.9	3.8	5.8

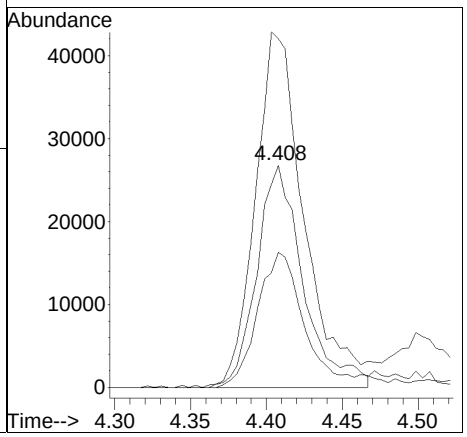


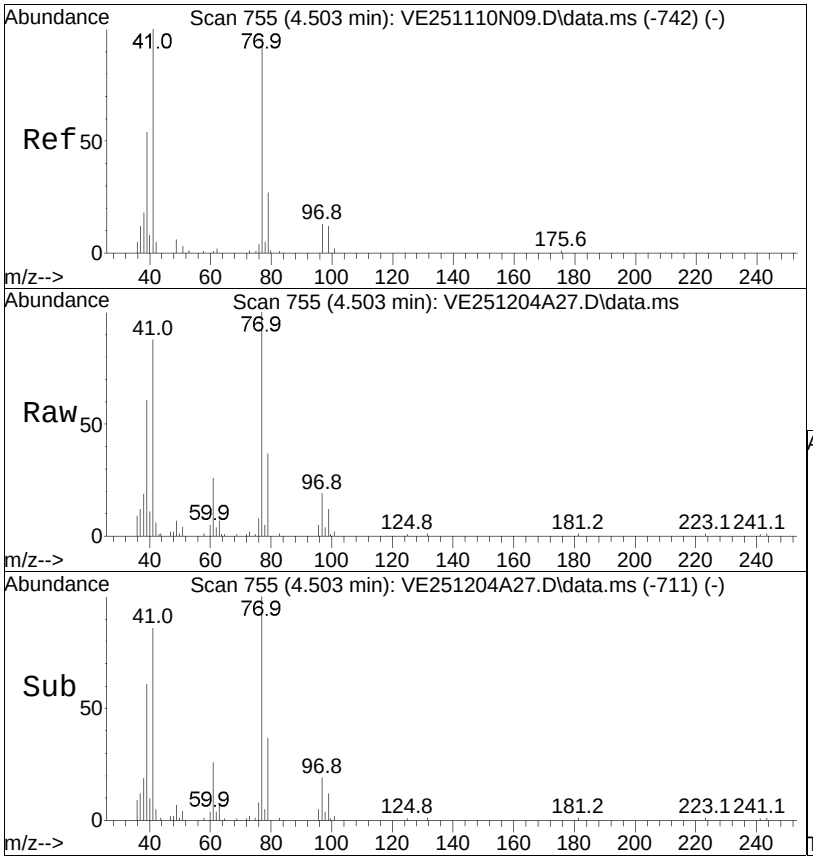


#30
cis-1,2-Dichloroethene
Concen: 10.86 ug/L
RT: 4.408 min Scan# 734
Delta R.T. -0.004 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 96 Resp: 56819

Ion	Ratio	Lower	Upper
96	100		
61	169.8	153.3	229.9
98	60.6	52.8	79.2

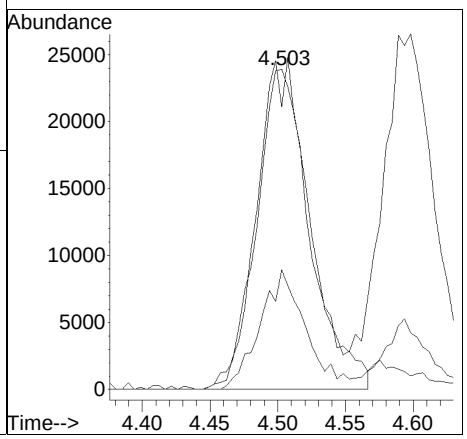


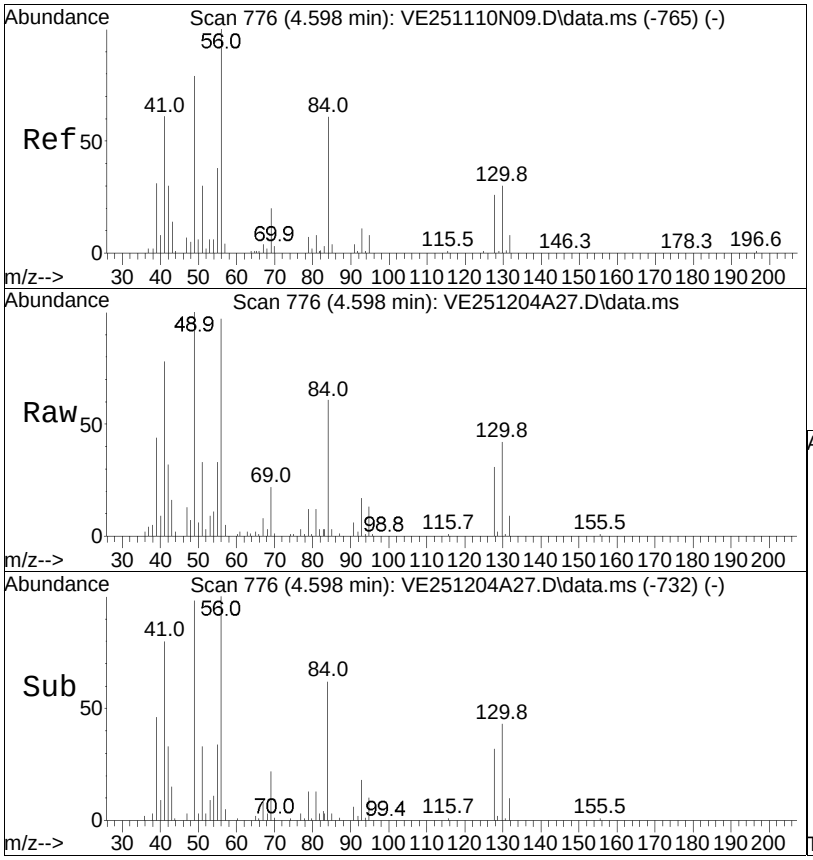


#31
2,2-Dichloropropane
Concen: 9.05 ug/L
RT: 4.503 min Scan# 755
Delta R.T. -0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 77 Resp: 66951

Ion	Ratio	Lower	Upper
77	100		
41	97.0	64.5	134.1
79	31.0	20.8	43.2

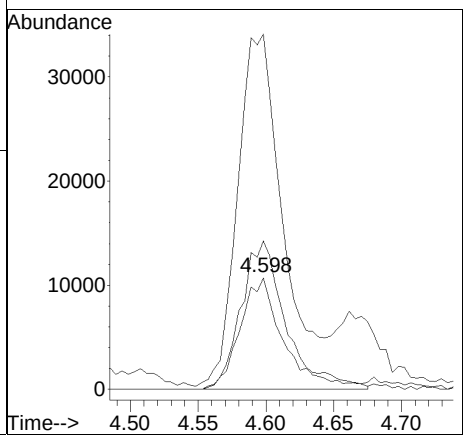


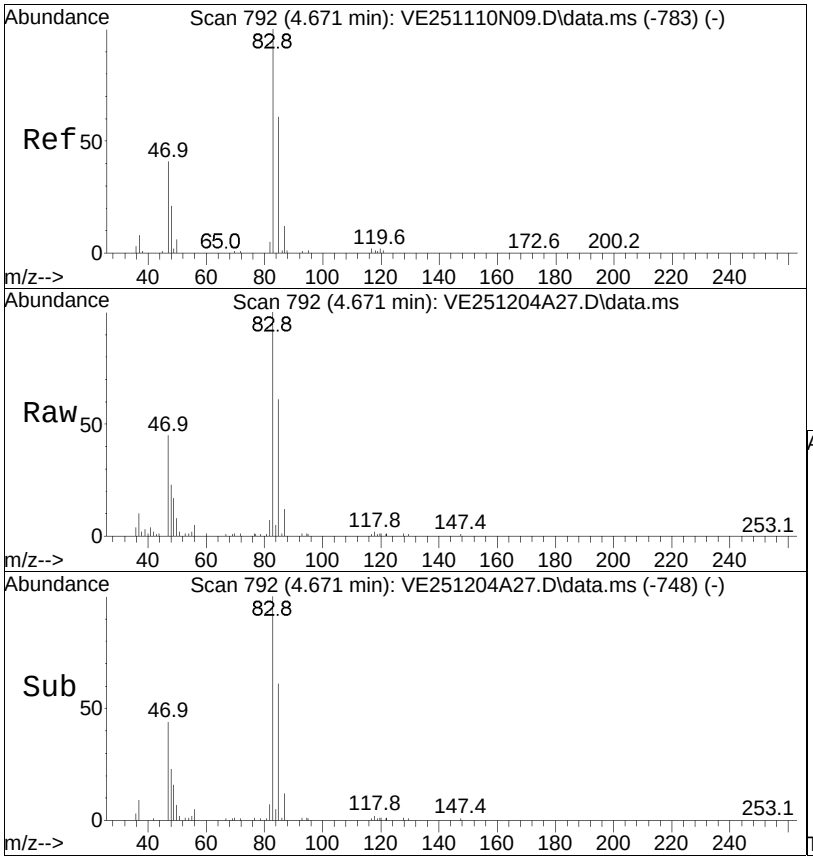


#33
Bromochloromethane
Concen: 10.52 ug/L
RT: 4.598 min Scan# 776
Delta R.T. 0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:128 Resp: 24164

Ion	Ratio	Lower	Upper
128	100		
49	322.7	295.7	443.5
130	135.7	101.9	152.9

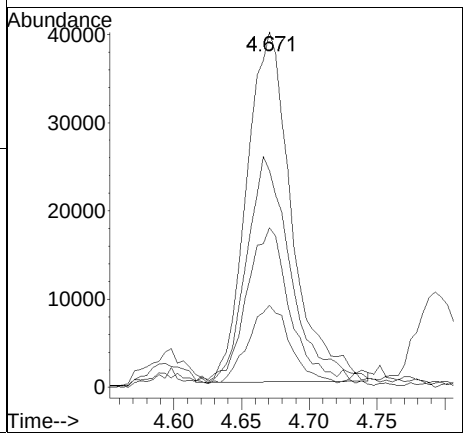


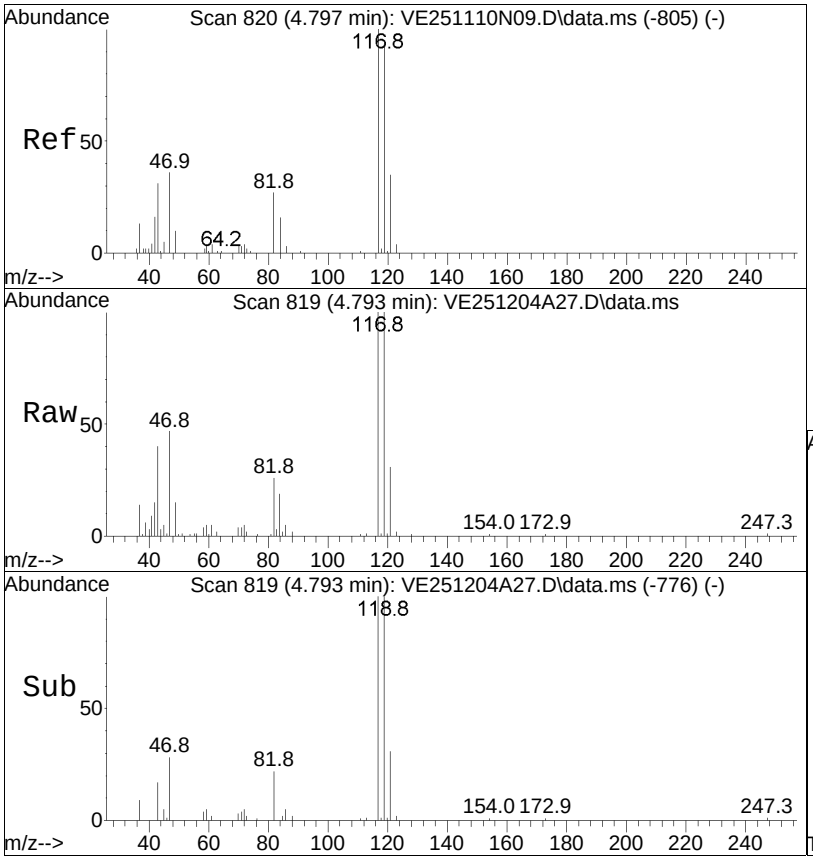


#35
Chloroform
Concen: 9.84 ug/L
RT: 4.671 min Scan# 792
Delta R.T. -0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 83 Resp: 92397

Ion	Ratio	Lower	Upper
83	100		
85	64.9	42.4	88.2
47	40.8	23.7	49.3
48	21.3	14.4	29.8

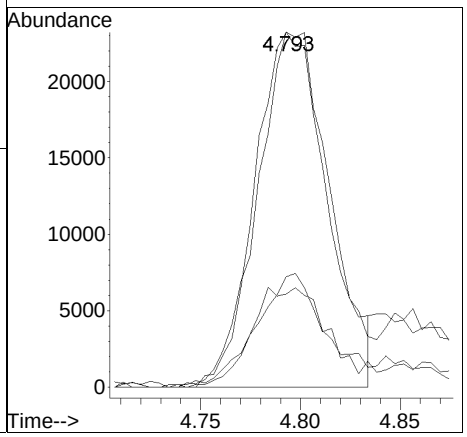


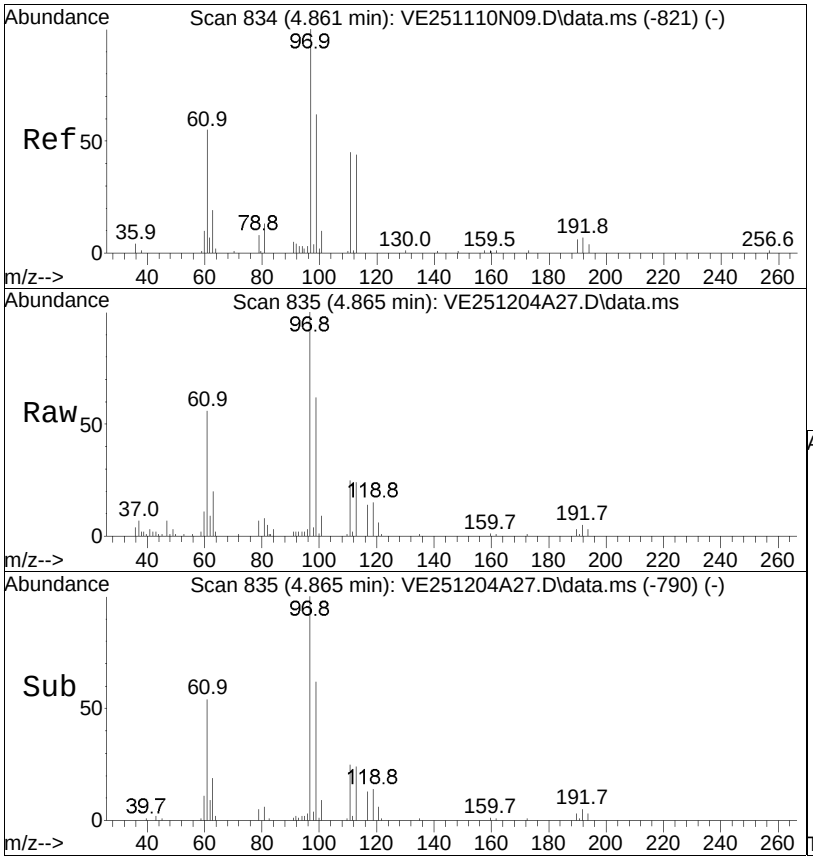


#37
Carbon tetrachloride
Concen: 10.74 ug/L
RT: 4.793 min Scan# 819
Delta R.T. -0.004 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:117 Resp: 60123

Ion	Ratio	Lower	Upper
117	100		
119	95.5	74.8	155.4
121	29.6	23.5	48.7
82	30.9	22.5	46.7

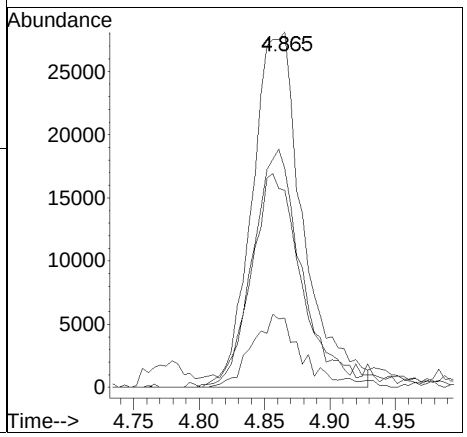


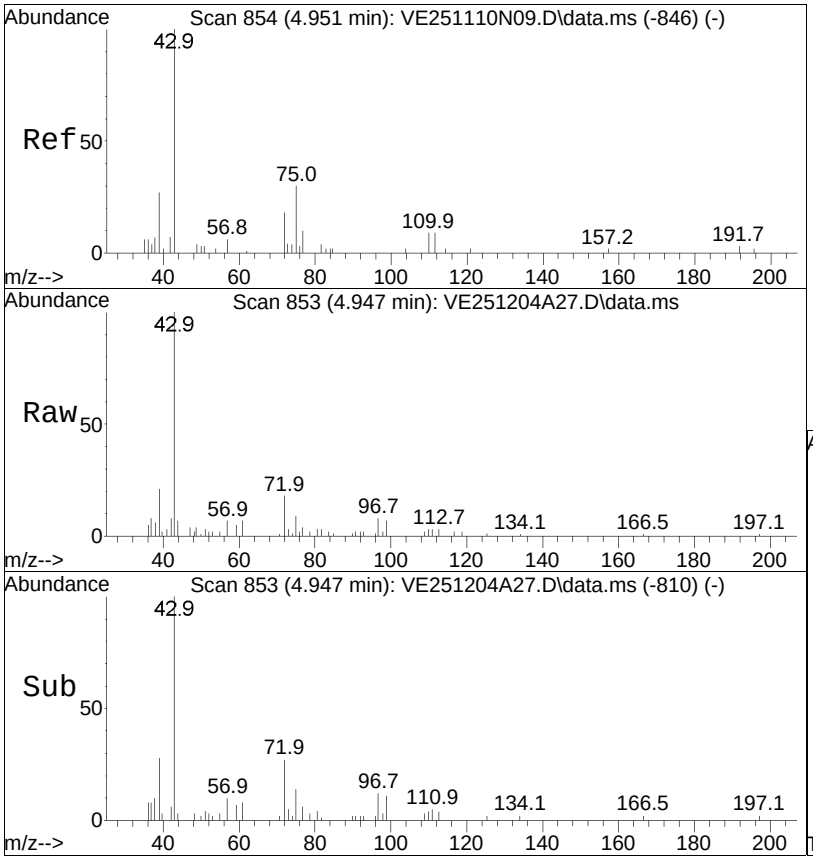


#40
1,1,1-Trichloroethane
Concen: 10.78 ug/L
RT: 4.865 min Scan# 835
Delta R.T. 0.004 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 97 Resp: 76241

Ion	Ratio	Lower	Upper
97	100		
99	64.2	40.7	84.5
61	54.6	40.5	84.1
63	19.2	11.8	24.6

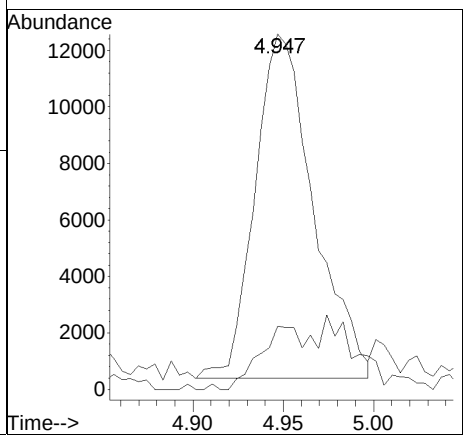


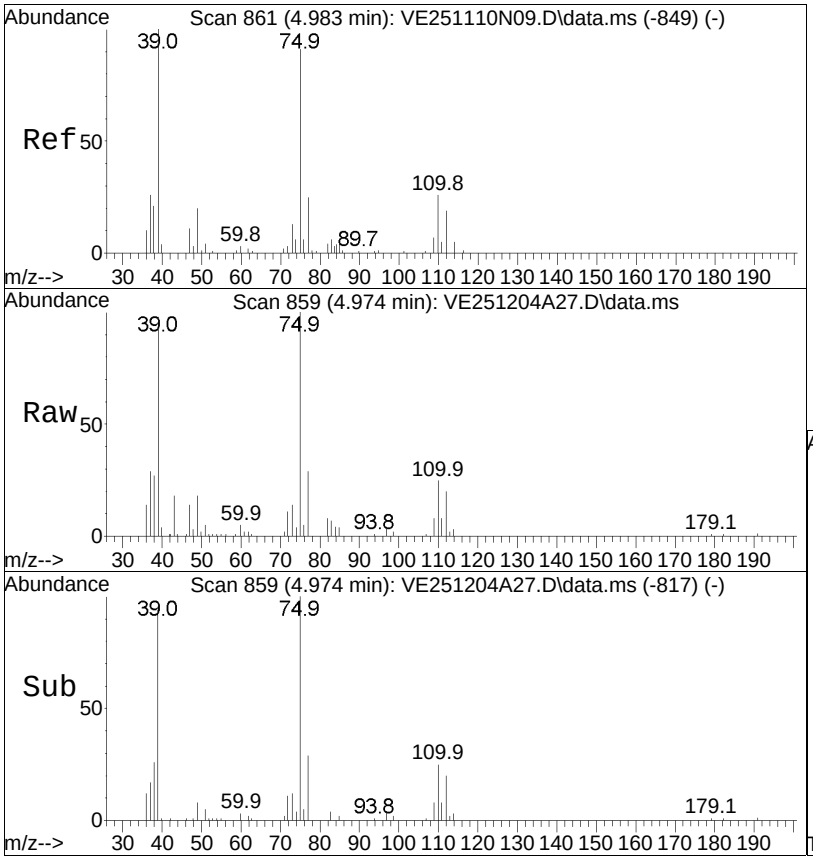


#42
2-Butanone
Concen: 12.21 ug/L
RT: 4.947 min Scan# 853
Delta R.T. -0.004 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 43 Resp: 27528

Ion	Ratio	Lower	Upper
43	100		
72	12.7	22.8	34.2#

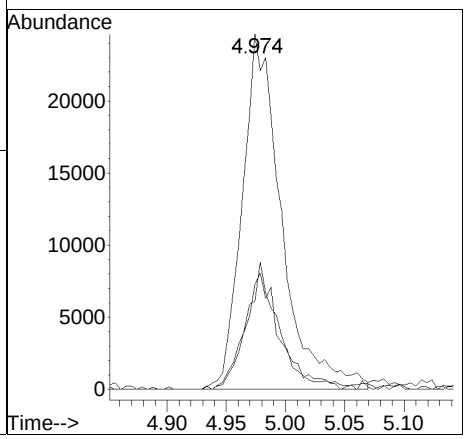


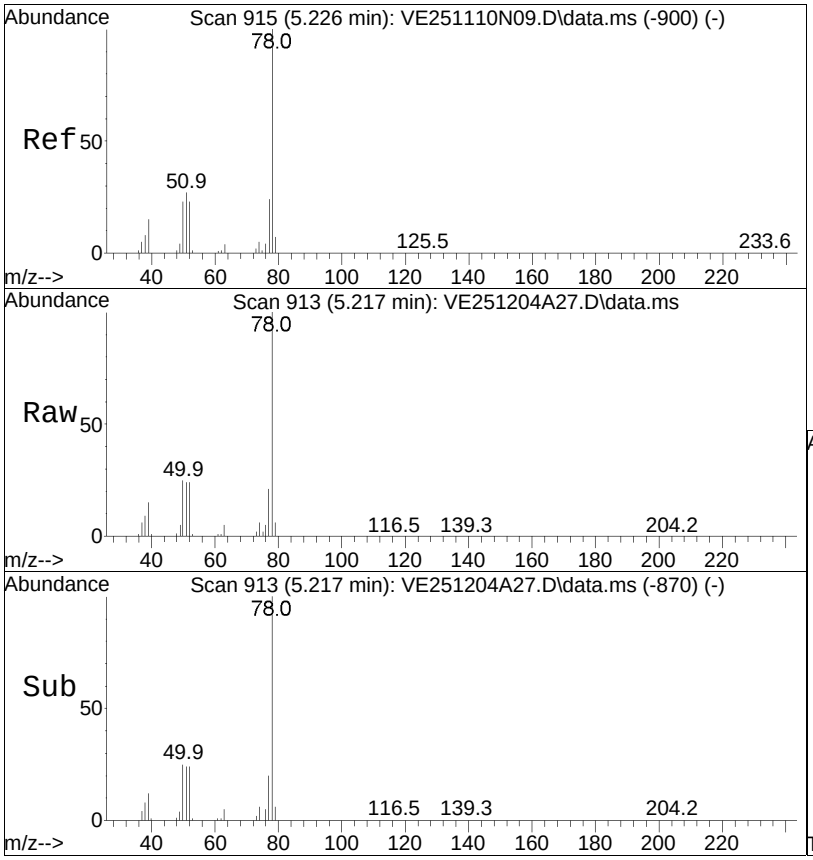


#43
1,1-Dichloropropene
Concen: 9.54 ug/L
RT: 4.974 min Scan# 859
Delta R.T. -0.009 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 75 Resp: 57086

Ion	Ratio	Lower	Upper
75	100		
110	30.1	20.5	42.7
77	28.6	20.0	41.6

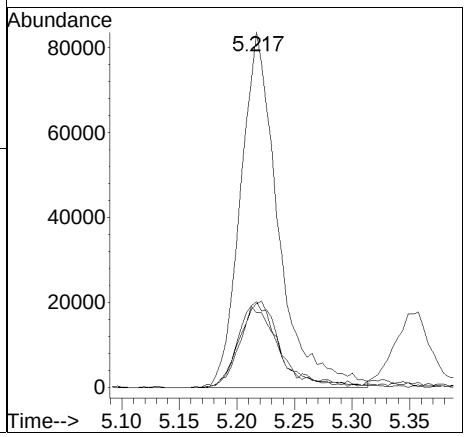


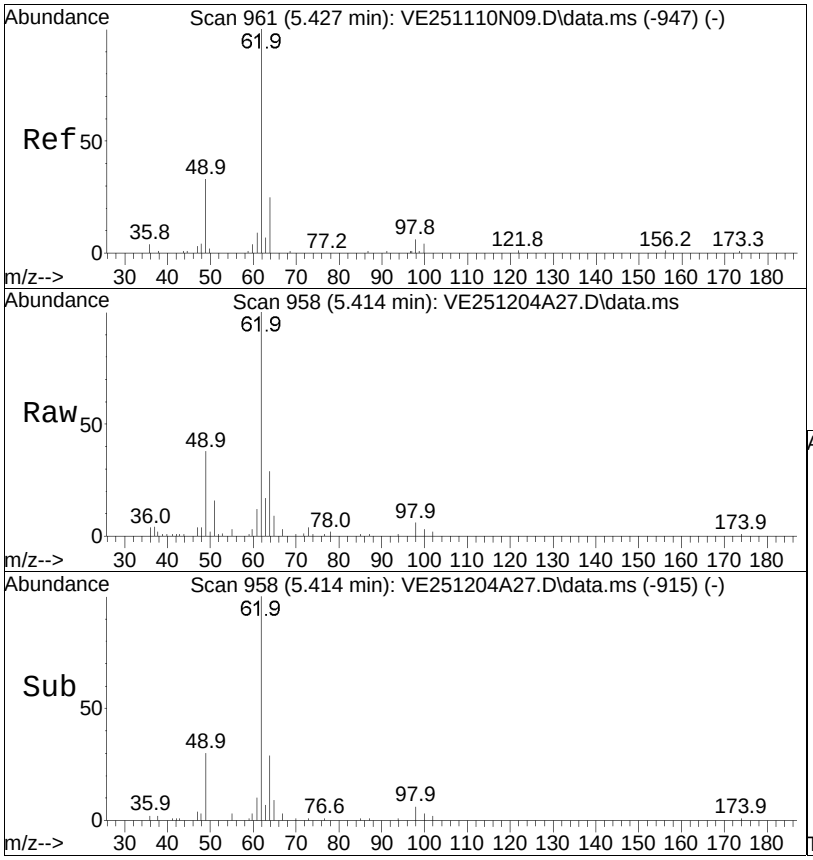


#45
Benzene
Concen: 10.00 ug/L
RT: 5.217 min Scan# 913
Delta R.T. -0.009 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 78 Resp: 189945

Ion	Ratio	Lower	Upper
78	100		
77	23.3	15.7	32.7
51	26.3	17.1	35.5
52	25.2	16.2	33.6

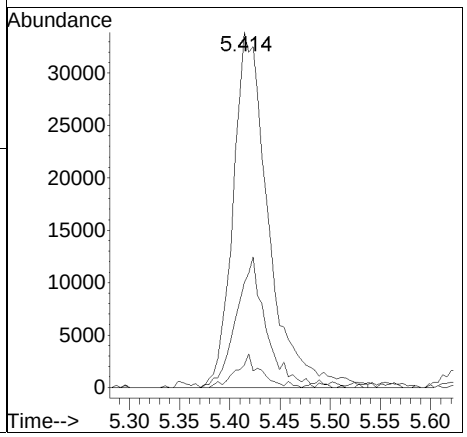


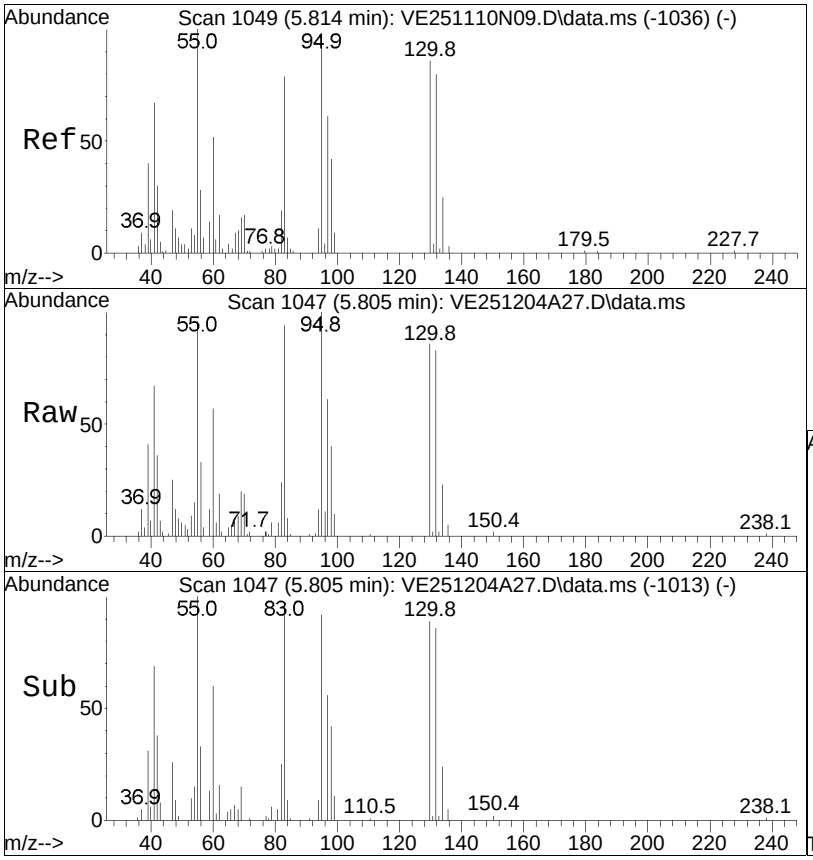


#48
1,2-Dichloroethane
Concen: 10.56 ug/L
RT: 5.414 min Scan# 958
Delta R.T. -0.013 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 62 Resp: 82945

Ion	Ratio	Lower	Upper
62	100		
64	31.2	10.9	50.9
98	6.2	0.0	27.2

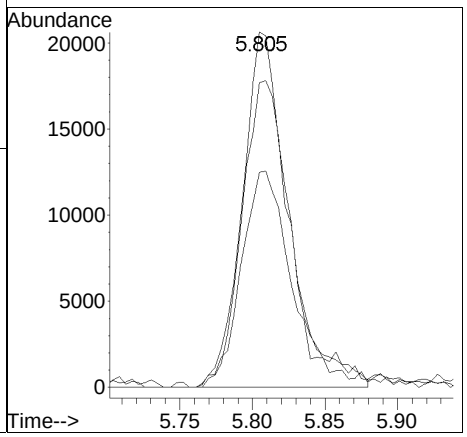


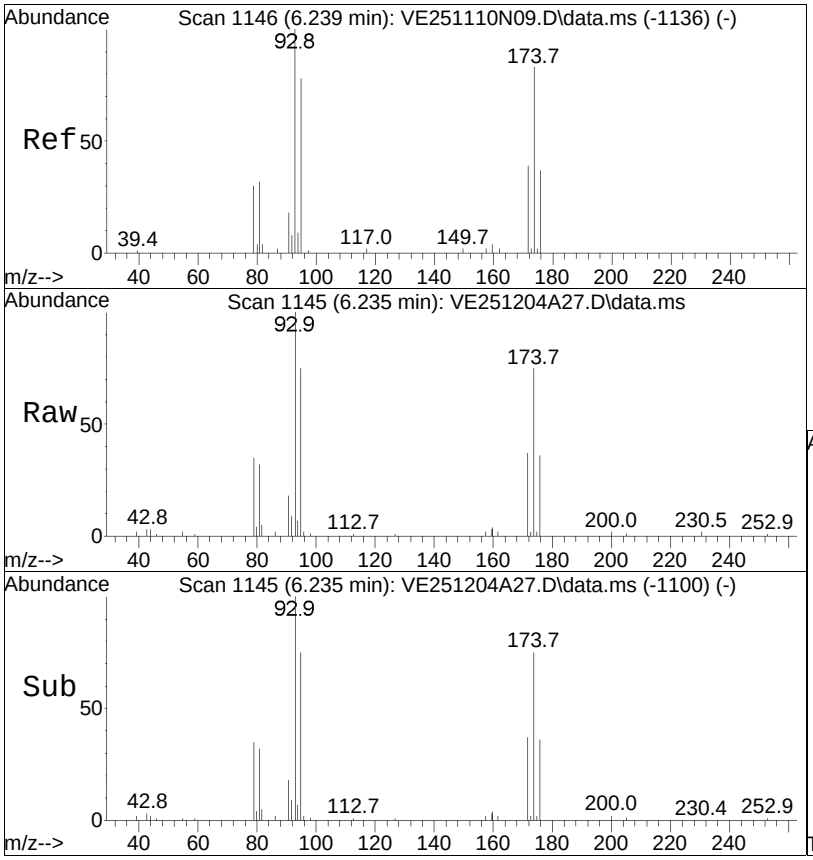


#52
Trichloroethene
Concen: 10.02 ug/L
RT: 5.805 min Scan# 1047
Delta R.T. -0.009 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 95 Resp: 45899

Ion	Ratio	Lower	Upper
95	100		
97	65.8	54.4	81.6
130	93.7	73.7	110.5

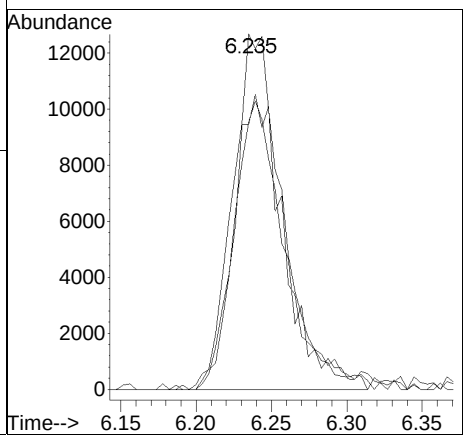


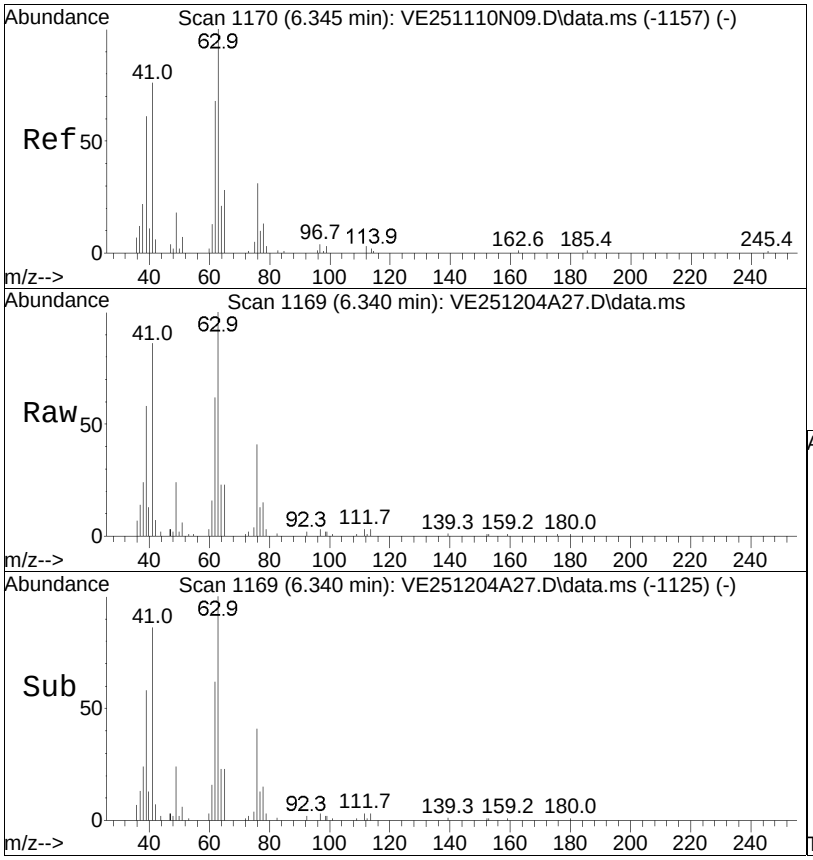


#54
Dibromomethane
Concen: 10.39 ug/L
RT: 6.235 min Scan# 1145
Delta R.T. -0.004 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 93 Resp: 29333

Ion	Ratio	Lower	Upper
93	100		
95	82.1	67.4	101.0
174	83.9	64.7	97.1

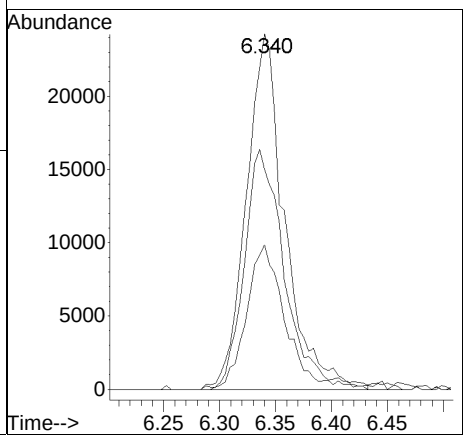


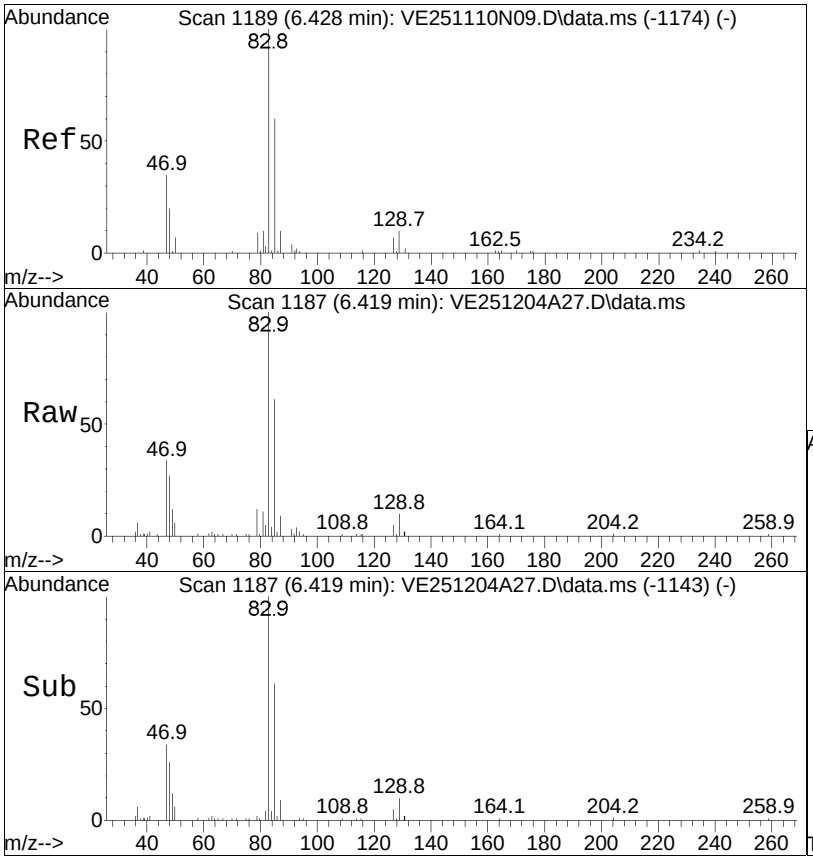


#55
1,2-Dichloropropane
Concen: 9.66 ug/L
RT: 6.340 min Scan# 1169
Delta R.T. -0.005 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 63 Resp: 58135

Ion	Ratio	Lower	Upper
63	100		
62	70.2	57.2	85.8
76	40.9	28.4	42.6

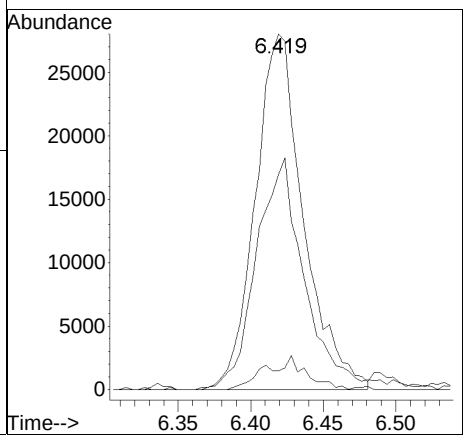


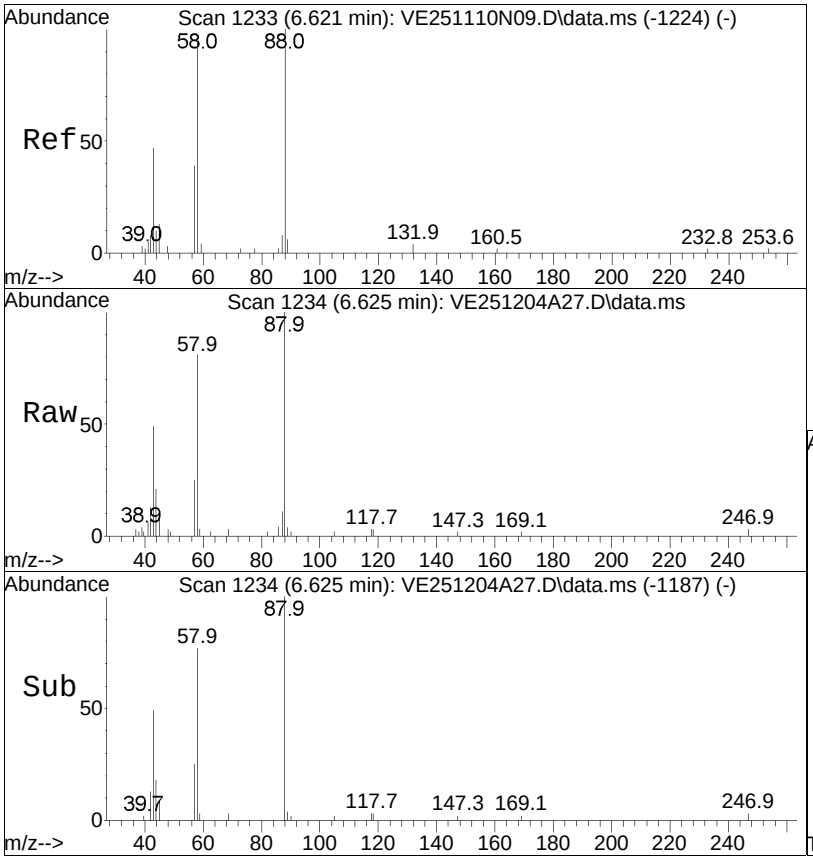


#58
Bromodichloromethane
Concen: 9.94 ug/L
RT: 6.419 min Scan# 1187
Delta R.T. -0.009 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 83 Resp: 64757

Ion	Ratio	Lower	Upper
83	100		
85	65.1	53.9	80.9
127	4.3	6.2	9.4#

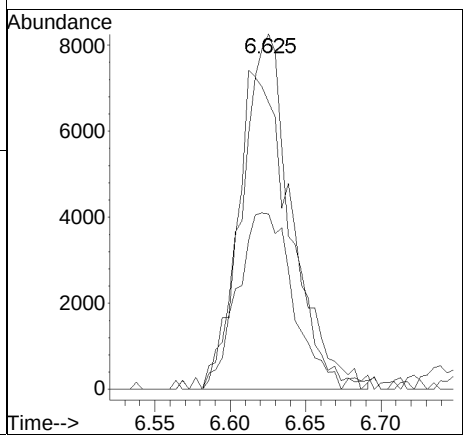


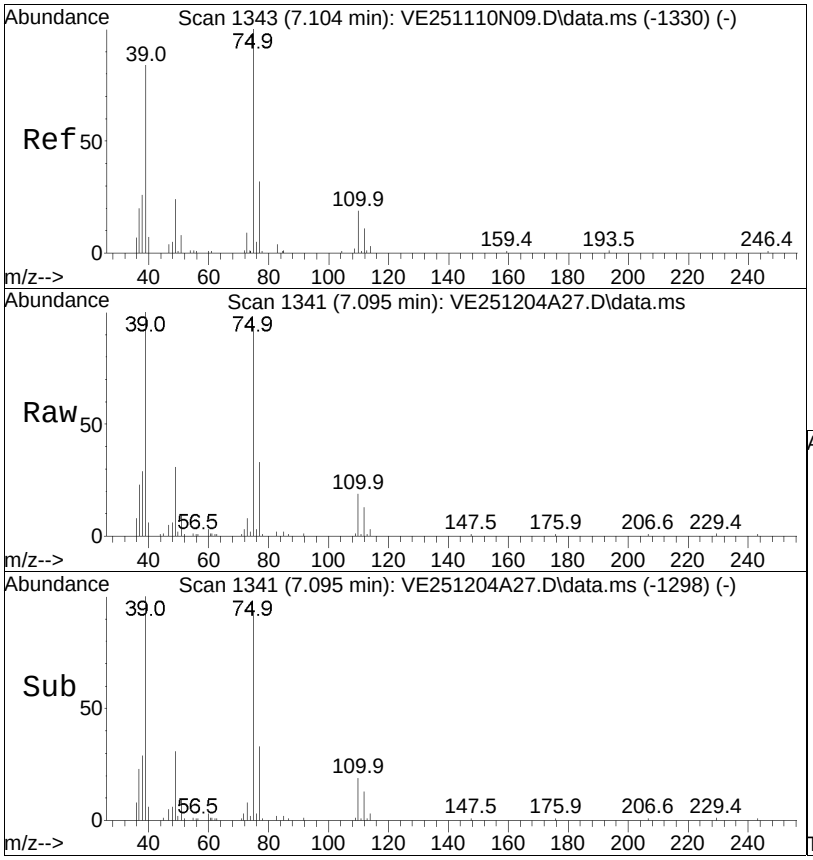


#61
1,4-Dioxane
Concen: 539.53 ug/L
RT: 6.625 min Scan# 1234
Delta R.T. 0.004 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 88 Resp: 19646

Ion	Ratio	Lower	Upper
88	100		
58	89.0	76.1	114.1
43	54.2	41.8	62.8

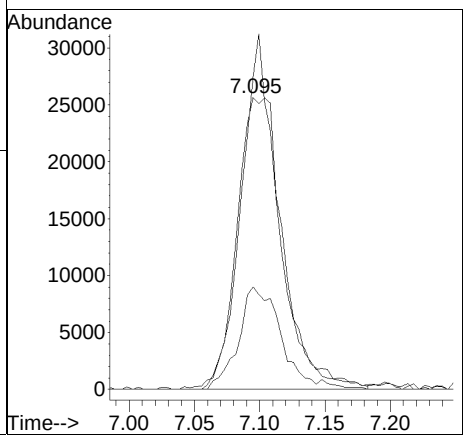


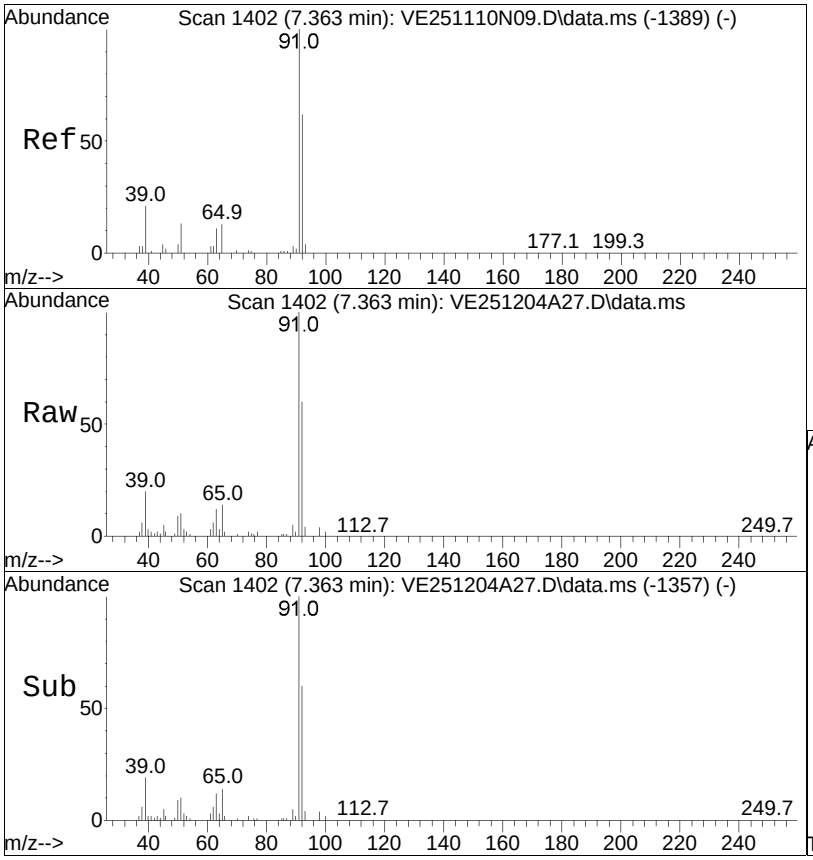


#62
cis-1,3-Dichloropropene
Concen: 8.80 ug/L
RT: 7.095 min Scan# 1341
Delta R.T. -0.009 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 75 Resp: 63064

Ion	Ratio	Lower	Upper
75	100		
77	32.9	26.0	39.0
39	99.4	74.6	112.0

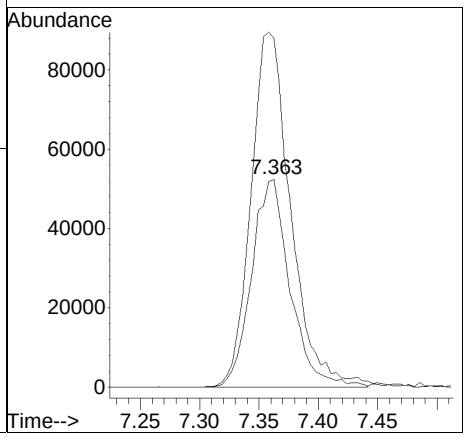


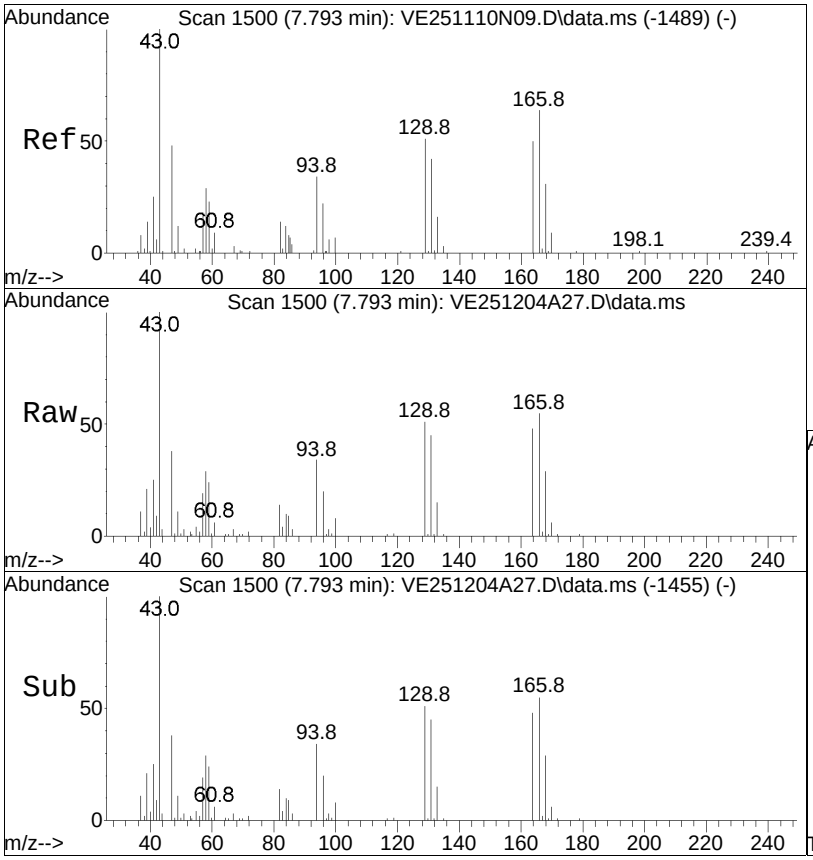


#65
Toluene
Concen: 9.50 ug/L
RT: 7.363 min Scan# 1402
Delta R.T. -0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 92 Resp: 118695

Ion	Ratio	Lower	Upper
92	100		
91	176.7	136.4	204.6

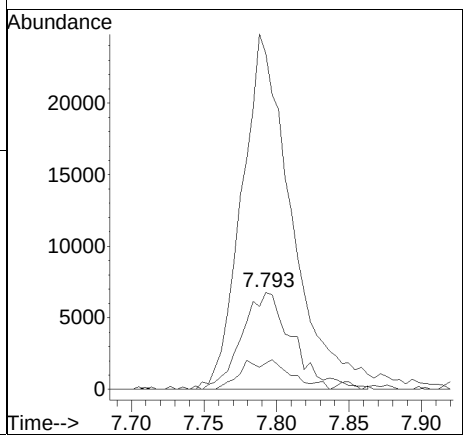


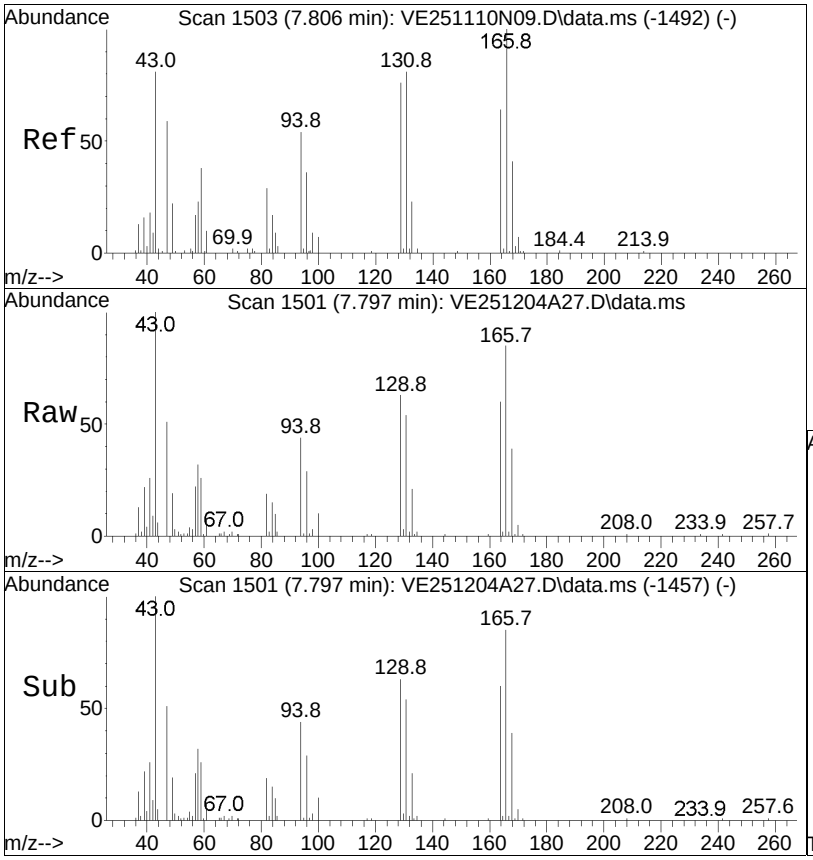


#66
4-Methyl-2-pentanone
Concen: 10.35 ug/L
RT: 7.793 min Scan# 1500
Delta R.T. -0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 58 Resp: 16720

Ion	Ratio	Lower	Upper
58	100		
100	12.5	23.0	34.6#
43	355.4	270.1	405.1

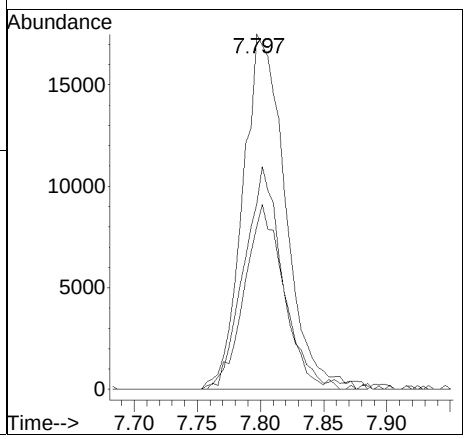


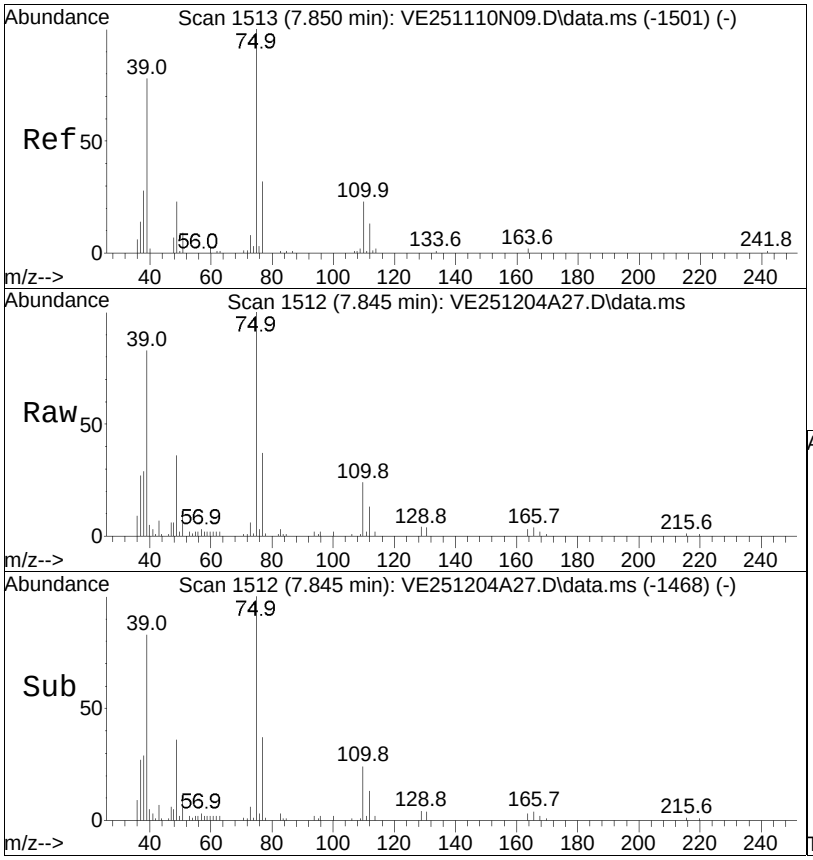


#67
Tetrachloroethene
Concen: 9.27 ug/L
RT: 7.797 min Scan# 1501
Delta R.T. -0.009 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:166 Resp: 41216

Ion	Ratio	Lower	Upper
166	100		
168	48.3	27.8	67.8
94	56.5	38.7	78.7

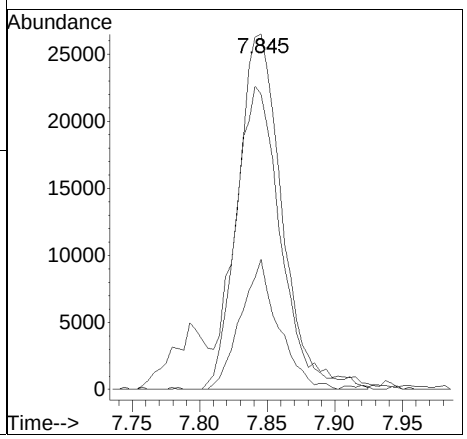


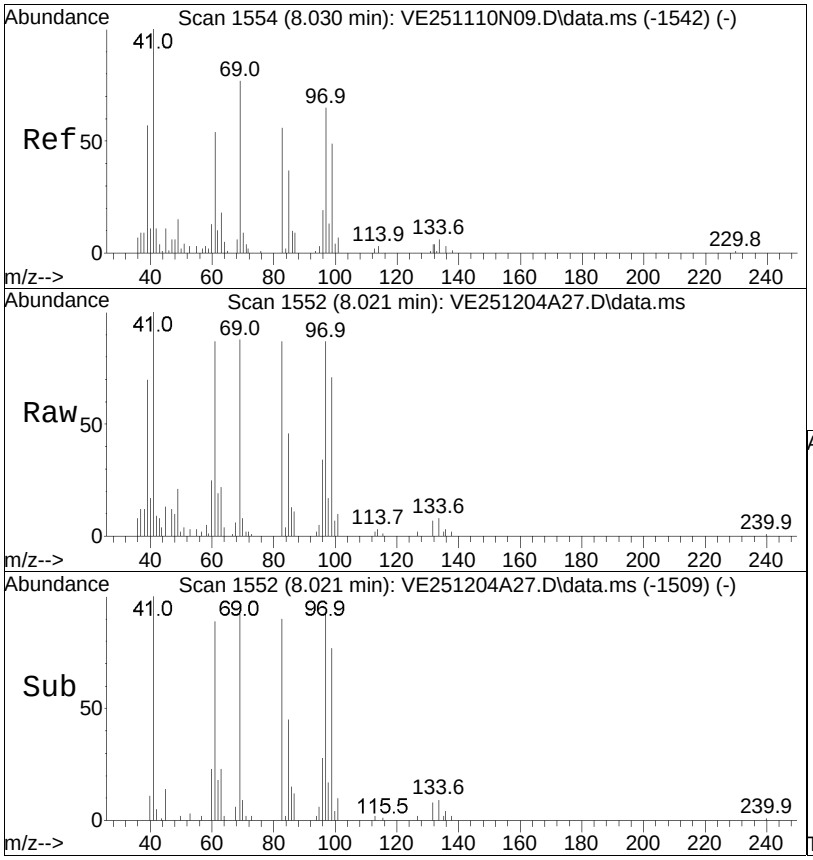


#69
trans-1,3-Dichloropropene
Concen: 8.03 ug/L
RT: 7.845 min Scan# 1512
Delta R.T. -0.005 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 75 Resp: 59946

Ion	Ratio	Lower	Upper
75	100		
77	31.6	10.9	50.9
39	87.4	68.1	108.1

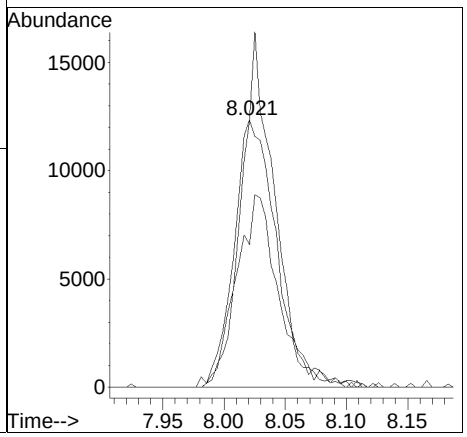


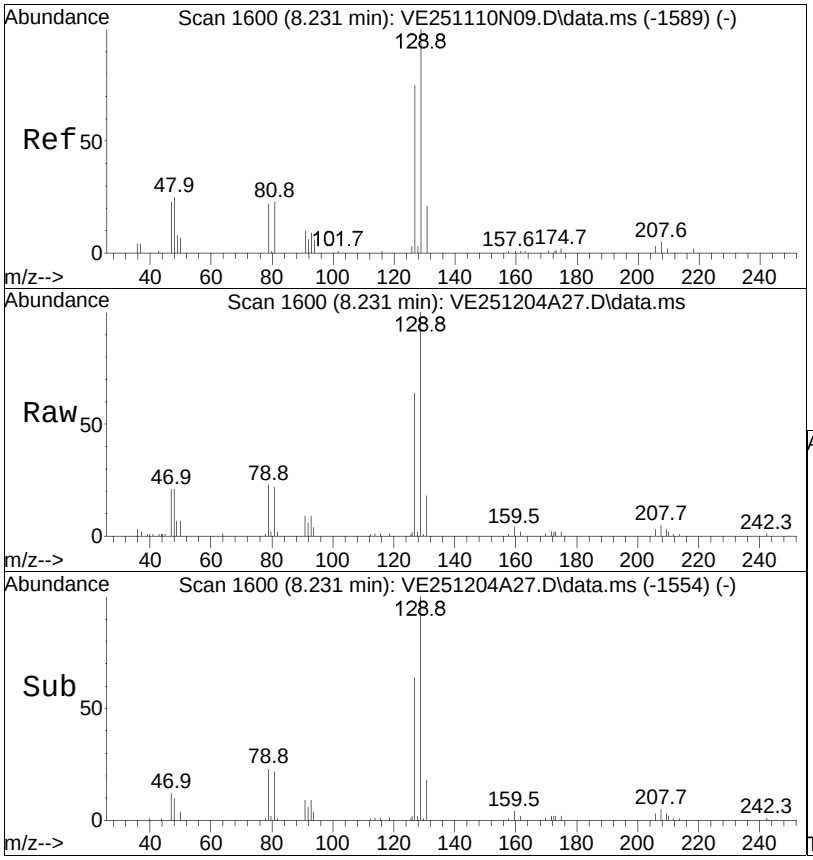


#72
1,1,2-Trichloroethane
Concen: 8.74 ug/L
RT: 8.021 min Scan# 1552
Delta R.T. -0.009 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 83 Resp: 28373

Ion	Ratio	Lower	Upper
83	100		
97	119.4	93.5	133.5
85	72.5	45.2	85.2

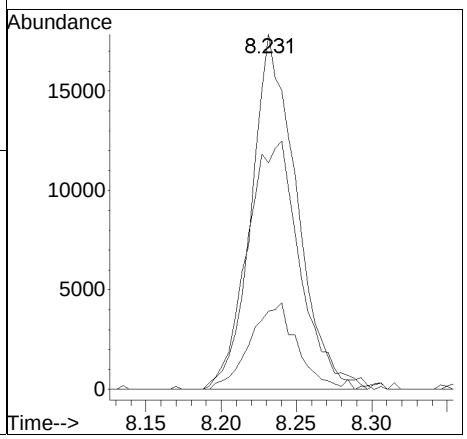


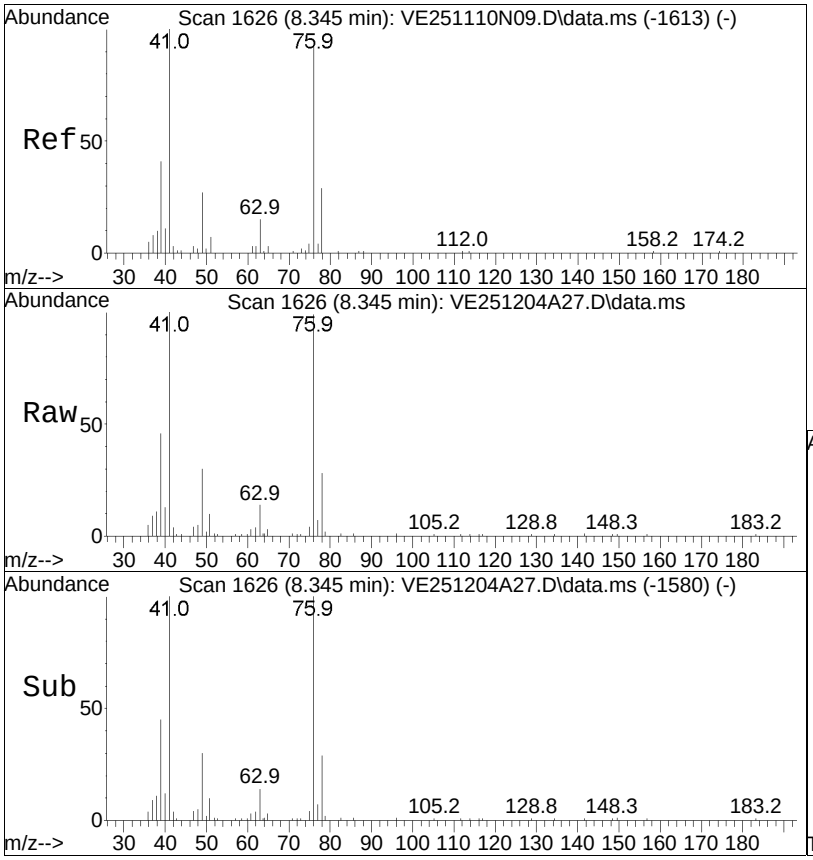


#73
Chlorodibromomethane
Concen: 8.62 ug/L
RT: 8.231 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:129 Resp: 37681

Ion	Ratio	Lower	Upper
129	100		
81	24.9	4.8	44.8
127	80.1	56.3	96.3

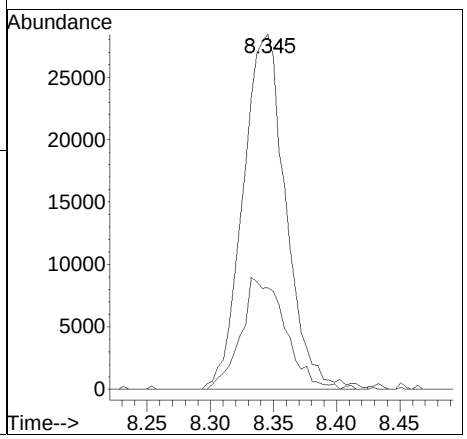


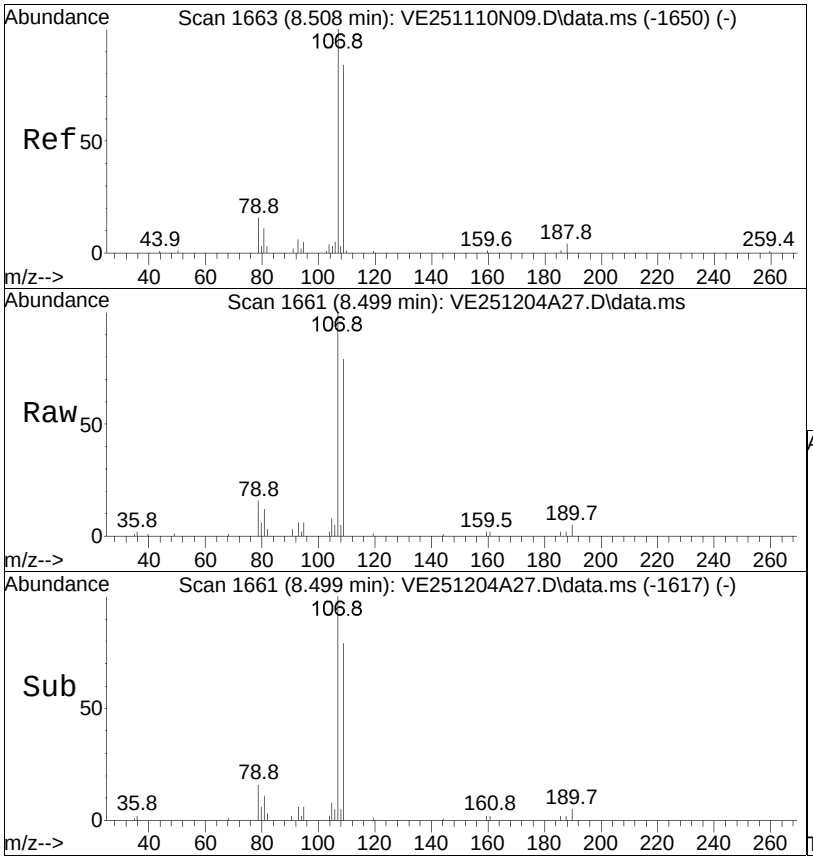


#74
1,3-Dichloropropane
Concen: 9.32 ug/L
RT: 8.345 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 76 Resp: 67180

Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.4

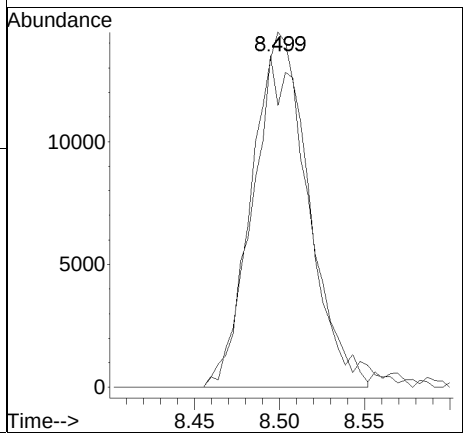


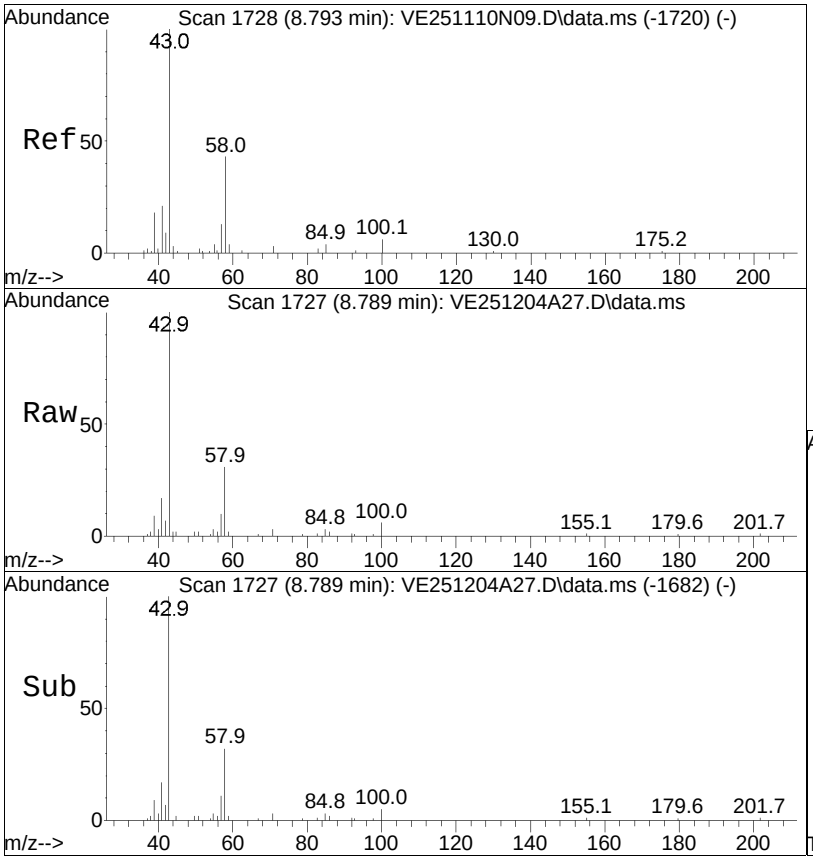


#75
1,2-Dibromoethane
Concen: 8.69 ug/L
RT: 8.499 min Scan# 1661
Delta R.T. -0.009 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:107 Resp: 33454

Ion	Ratio	Lower	Upper
107	100		
109	96.3	73.0	109.6

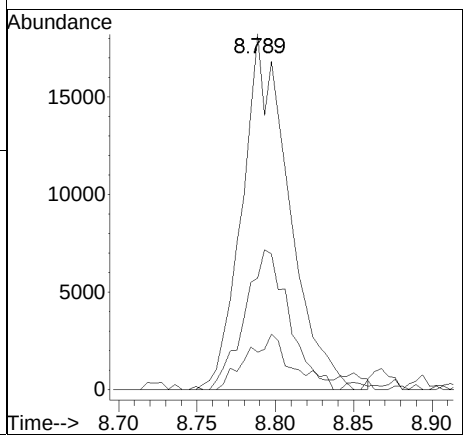


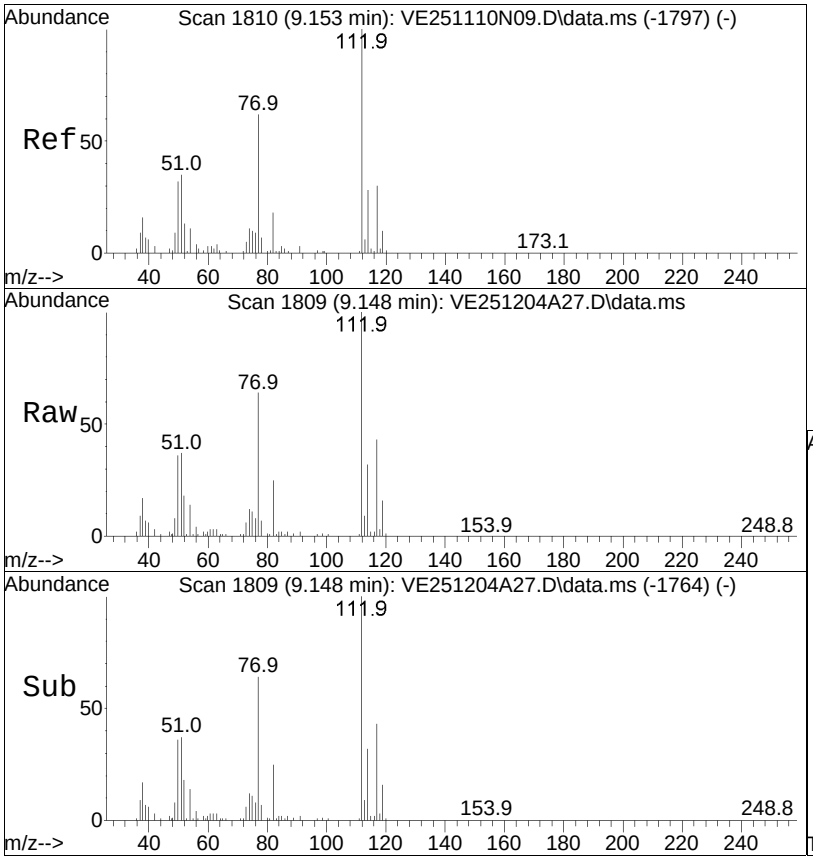


#77
2-Hexanone
Concen: 9.86 ug/L
RT: 8.789 min Scan# 1727
Delta R.T. -0.004 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 43 Resp: 38168

Ion	Ratio	Lower	Upper
43	100		
58	38.7	34.3	51.5
57	14.9	12.5	18.7

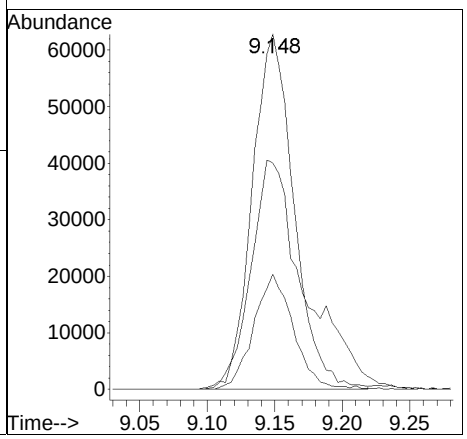


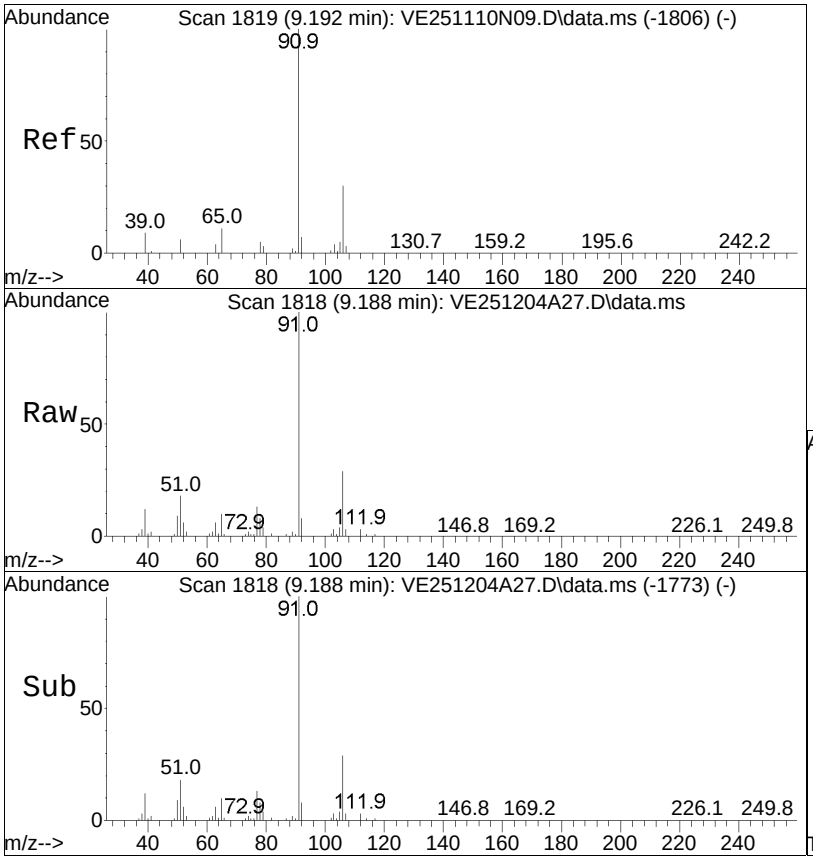


#78
Chlorobenzene
Concen: 9.66 ug/L
RT: 9.148 min Scan# 1809
Delta R.T. -0.005 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:112 Resp: 134983

Ion	Ratio	Lower	Upper
112	100		
77	84.3	67.3	100.9
114	31.1	25.6	38.4

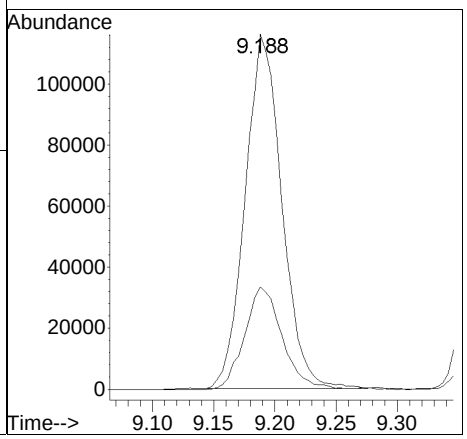


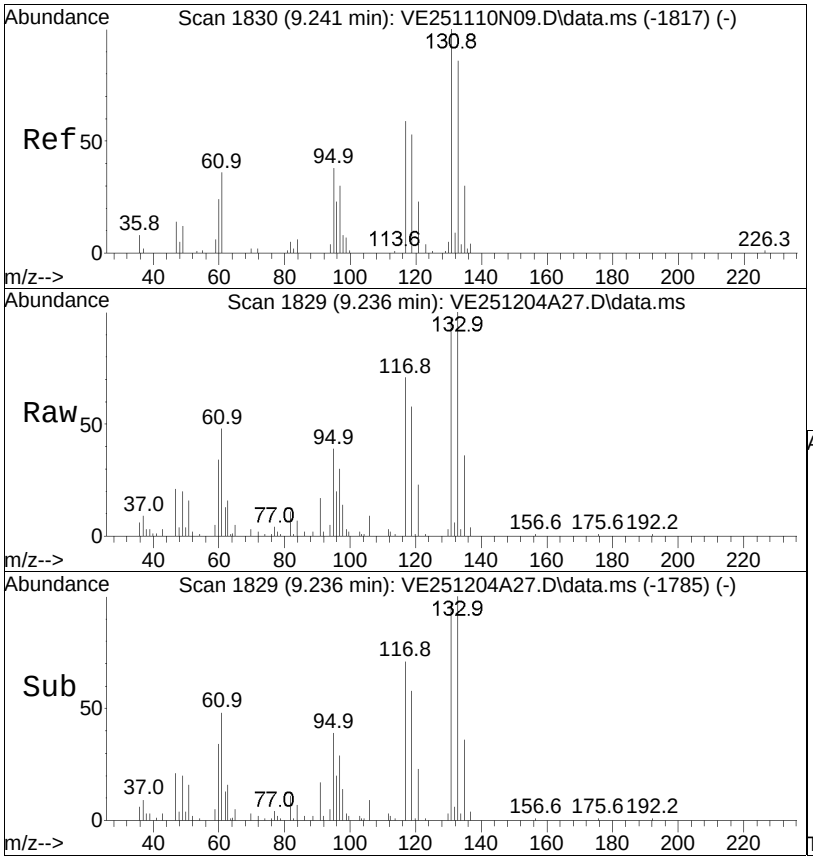


#79
Ethylbenzene
Concen: 9.26 ug/L
RT: 9.188 min Scan# 1818
Delta R.T. -0.004 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 91 Resp: 241729

Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.4	35.0

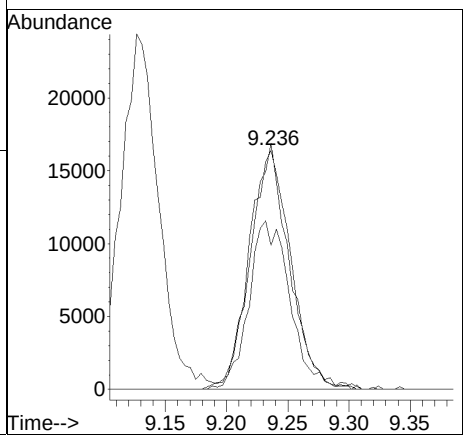


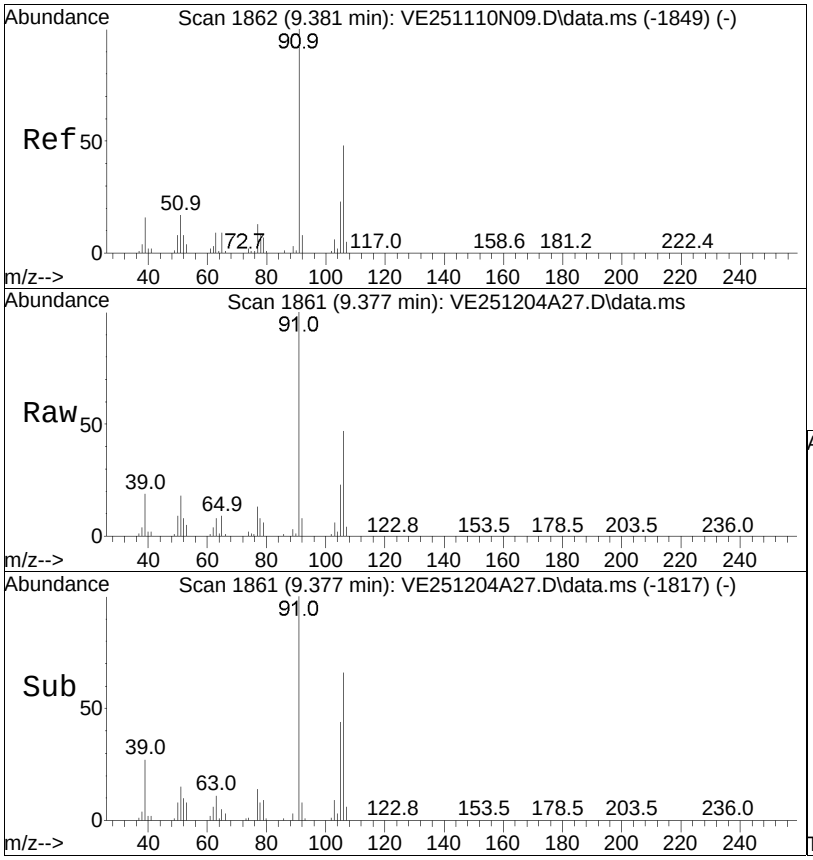


#80
1,1,1,2-Tetrachloroethane
Concen: 9.24 ug/L
RT: 9.236 min Scan# 1829
Delta R.T. -0.005 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:131 Resp: 39141

Ion	Ratio	Lower	Upper
131	100		
133	94.6	72.9	112.9
119	69.1	43.8	83.8

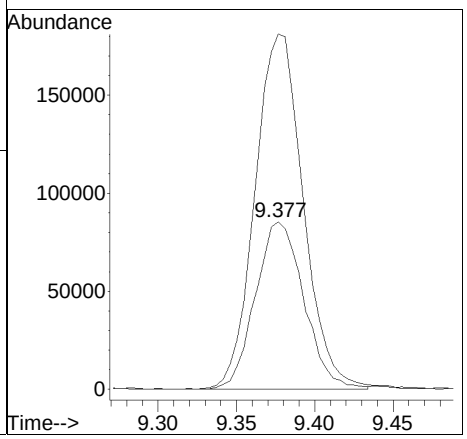


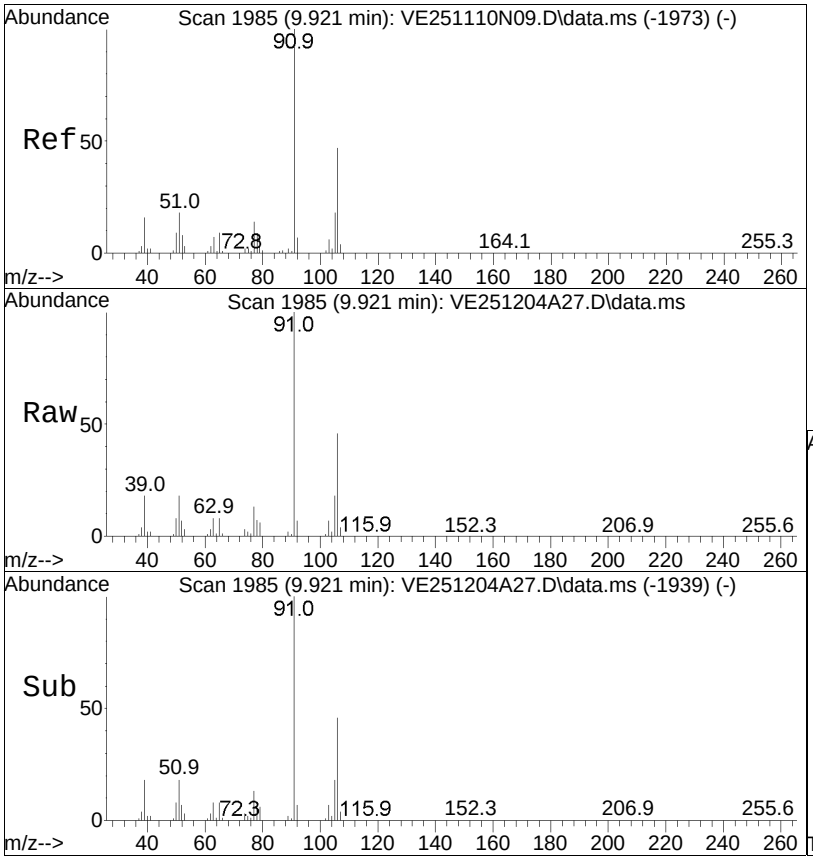


#81
p/m Xylene
Concen: 18.04 ug/L
RT: 9.377 min Scan# 1861
Delta R.T. -0.004 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:106 Resp: 183898

Ion	Ratio	Lower	Upper
106	100		
91	212.7	165.2	247.8

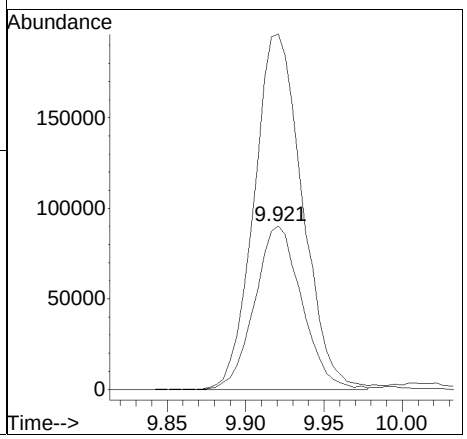


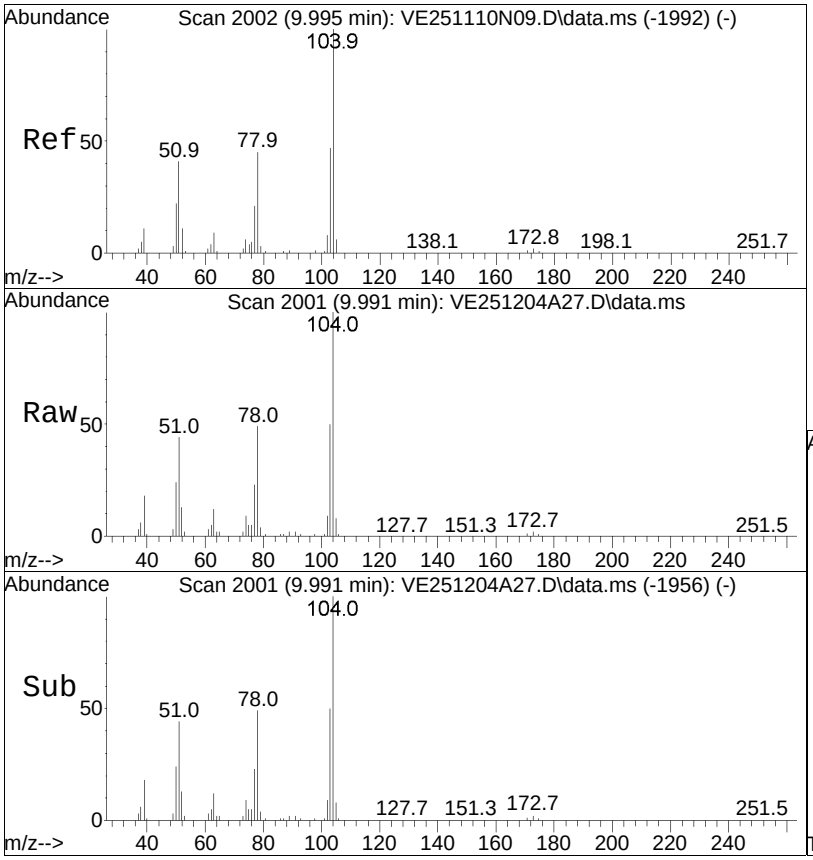


#82
o Xylene
Concen: 18.66 ug/L
RT: 9.921 min Scan# 1985
Delta R.T. -0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:106 Resp: 188492

Ion	Ratio	Lower	Upper
106	100		
91	223.7	181.8	272.8

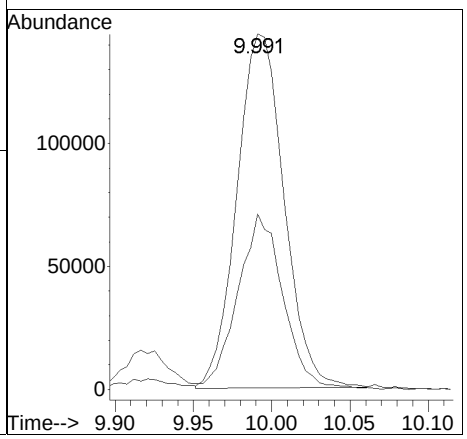


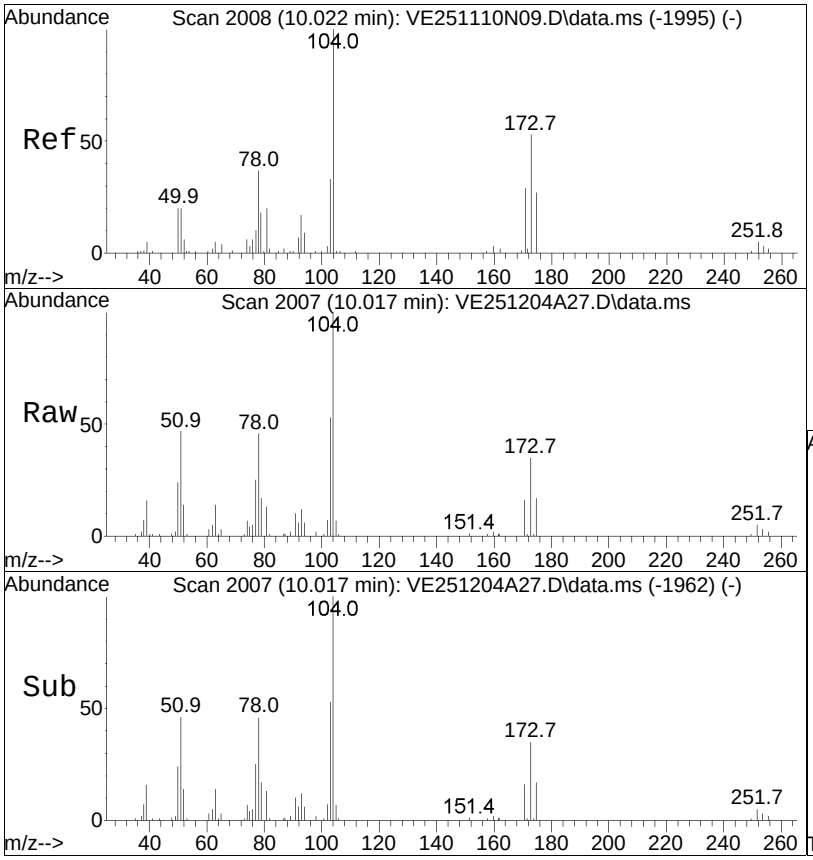


#83
Styrene
Concen: 17.09 ug/L
RT: 9.991 min Scan# 2001
Delta R.T. -0.004 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:104 Resp: 301470

Ion	Ratio	Lower	Upper
104	100		
78	47.3	37.1	55.7

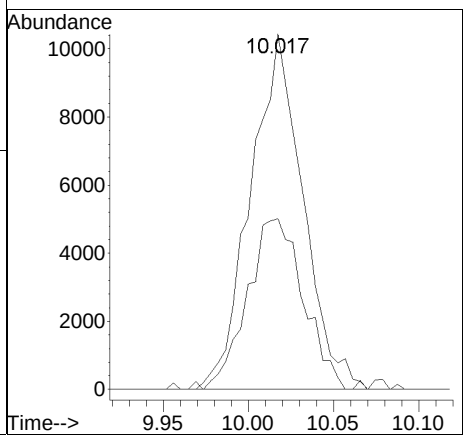


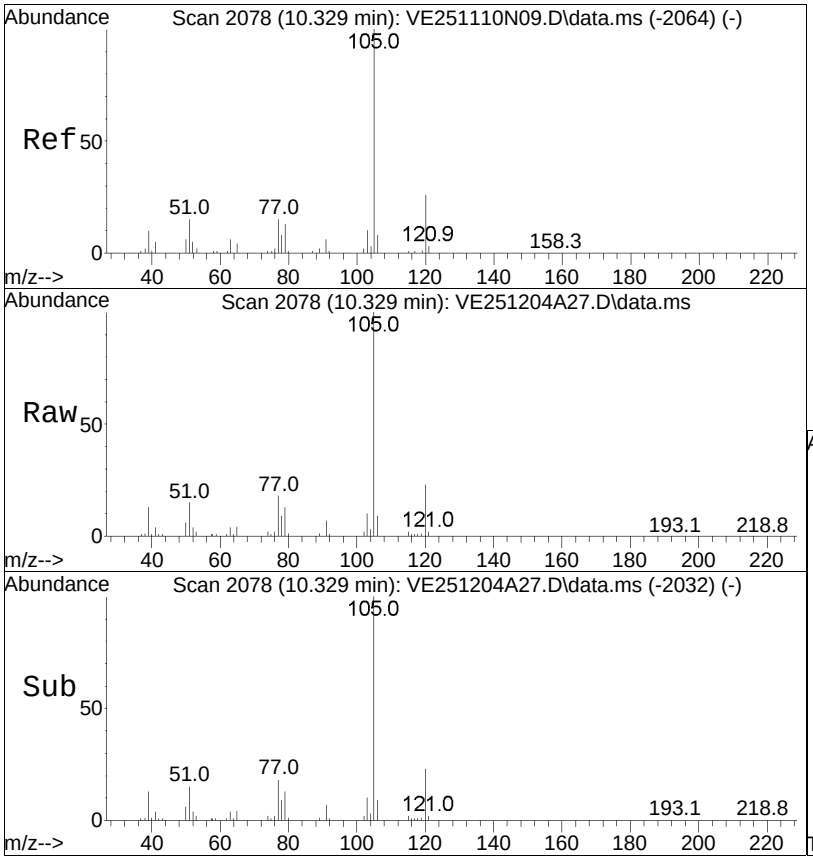


#85
Bromoform
Concen: 8.12 ug/L
RT: 10.017 min Scan# 2007
Delta R.T. -0.005 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:173 Resp: 22346

Ion	Ratio	Lower	Upper
173	100		
175	51.6	29.9	69.9

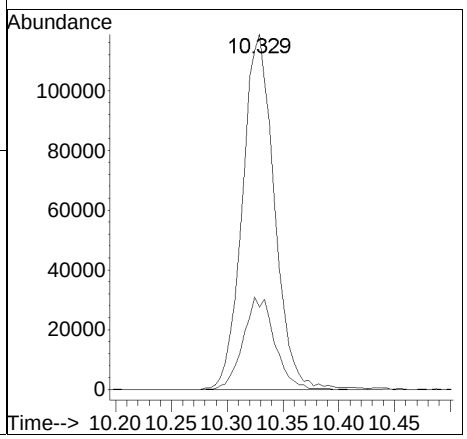


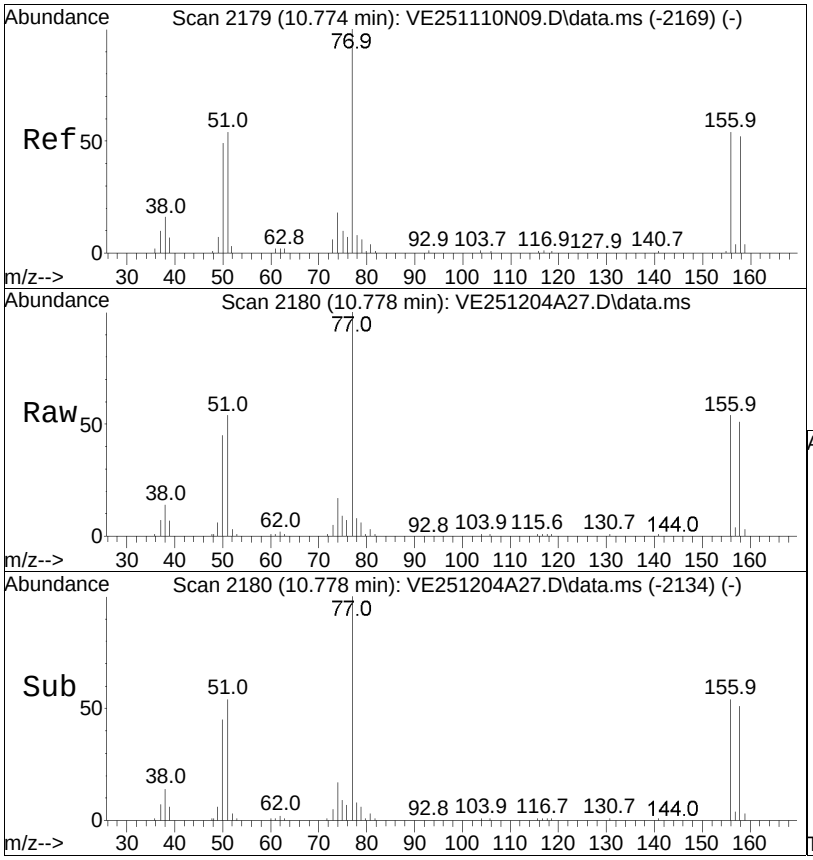


#87
Isopropylbenzene
Concen: 8.45 ug/L
RT: 10.329 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:105 Resp: 236193

Ion	Ratio	Lower	Upper
105	100		
120	25.6	5.0	45.0

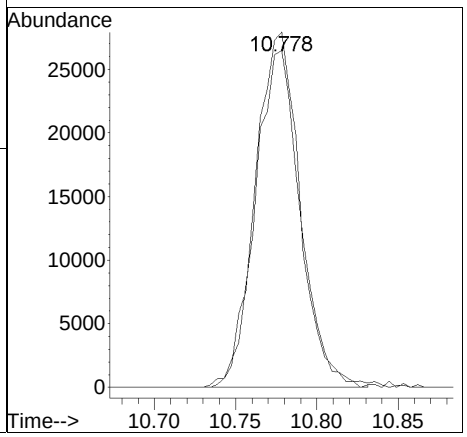


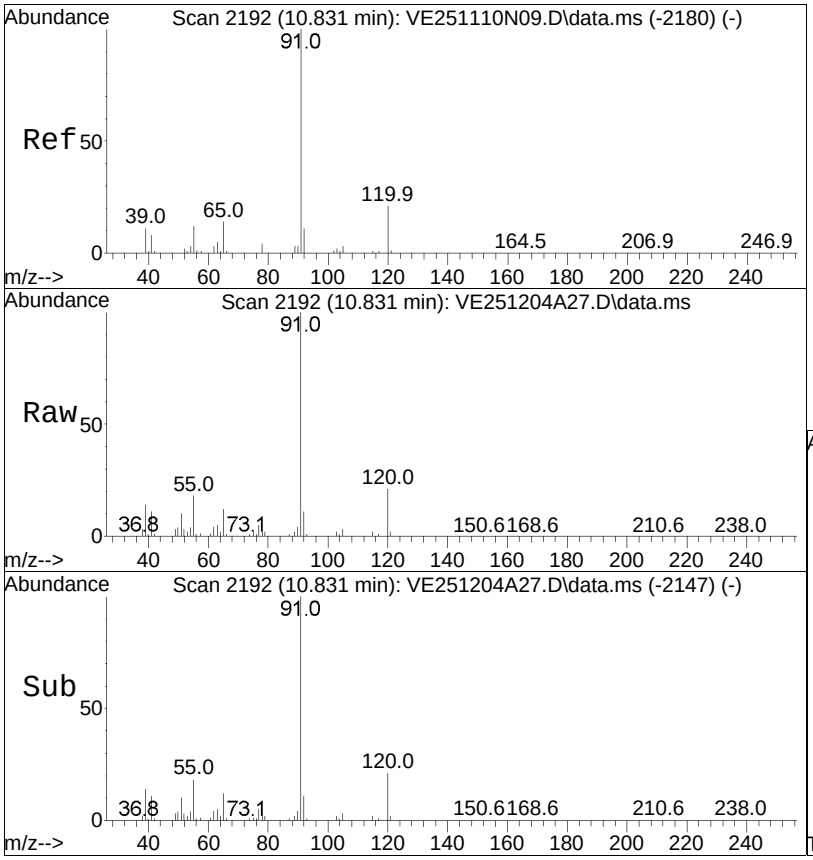


#89
Bromobenzene
Concen: 9.21 ug/L
RT: 10.778 min Scan# 2180
Delta R.T. 0.004 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:156 Resp: 53474

Ion	Ratio	Lower	Upper
156	100		
158	95.6	79.0	118.4

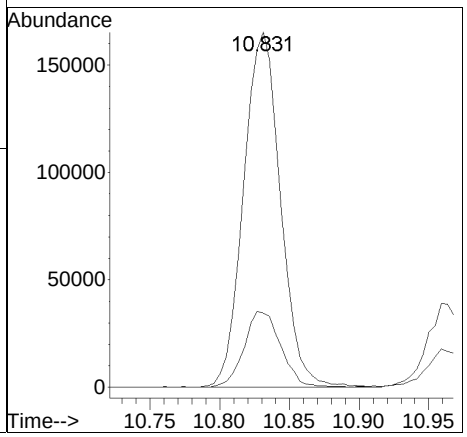


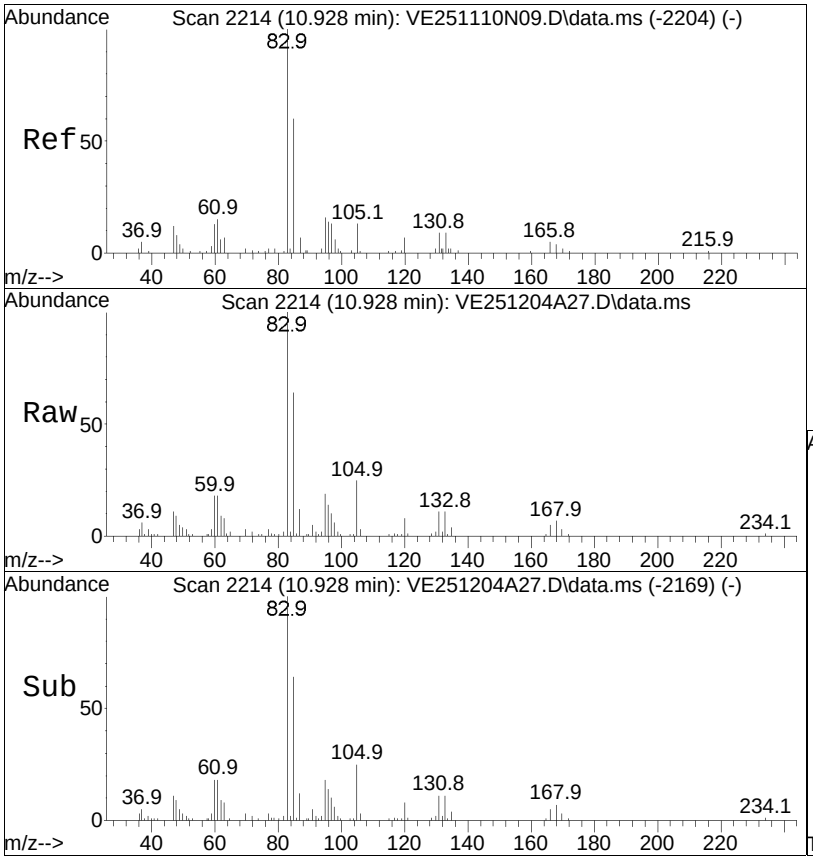


#90
n-Propylbenzene
Concen: 8.67 ug/L
RT: 10.831 min Scan# 2192
Delta R.T. 0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 91 Resp: 305153

Ion	Ratio	Lower	Upper
91	100		
120	21.3	16.7	25.1

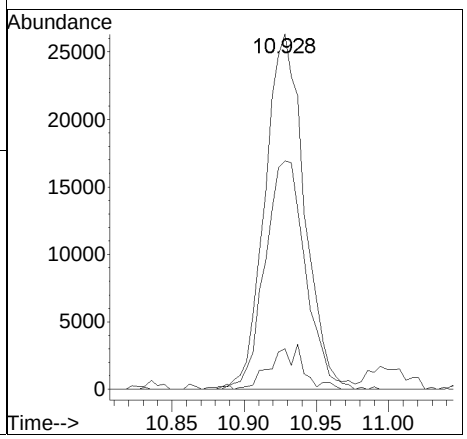


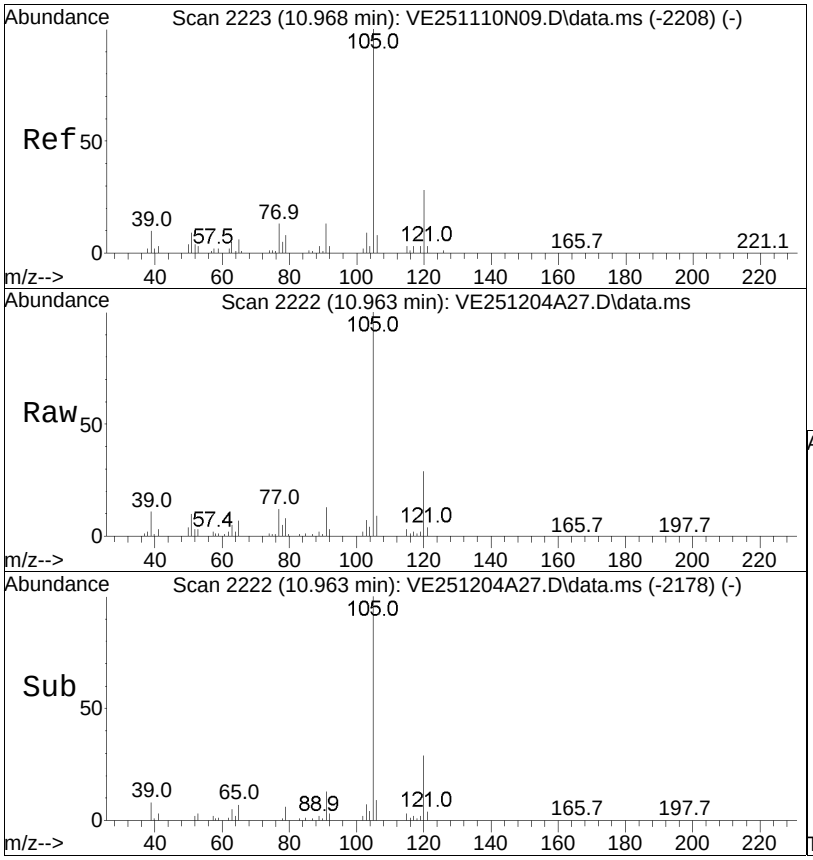


#92
1,1,2,2-Tetrachloroethane
Concen: 9.49 ug/L
RT: 10.928 min Scan# 2214
Delta R.T. 0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 83 Resp: 50041

Ion	Ratio	Lower	Upper
83	100		
131	10.3	0.0	28.3
85	66.4	43.6	83.6

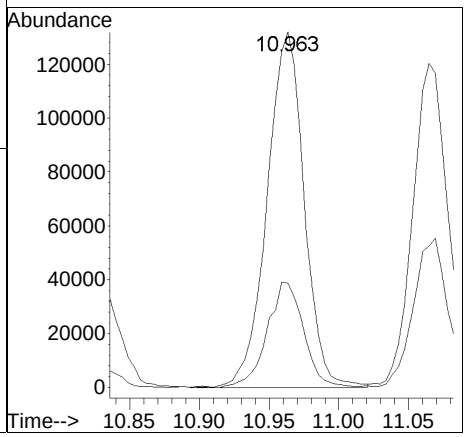


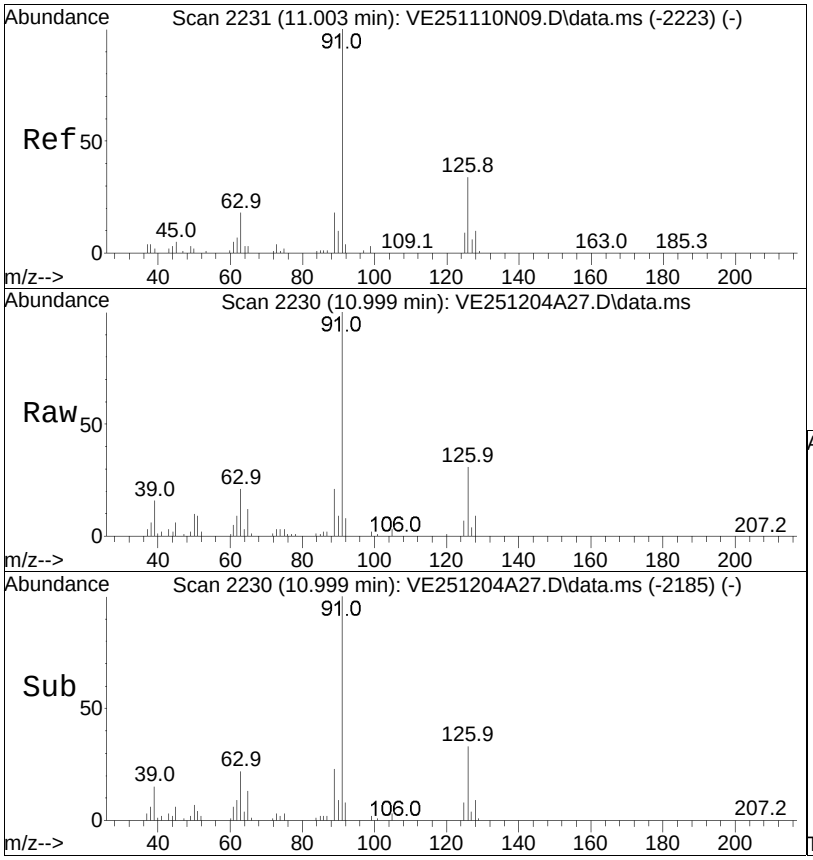


#93
4-Ethyltoluene
Concen: 8.89 ug/L
RT: 10.963 min Scan# 2222
Delta R.T. -0.005 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:105 Resp: 244192

Ion	Ratio	Lower	Upper
105	100		
120	29.1	18.7	38.7

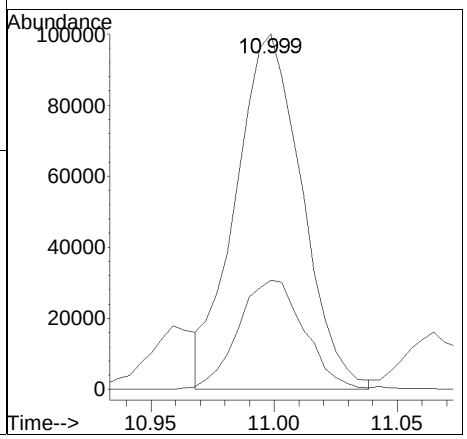


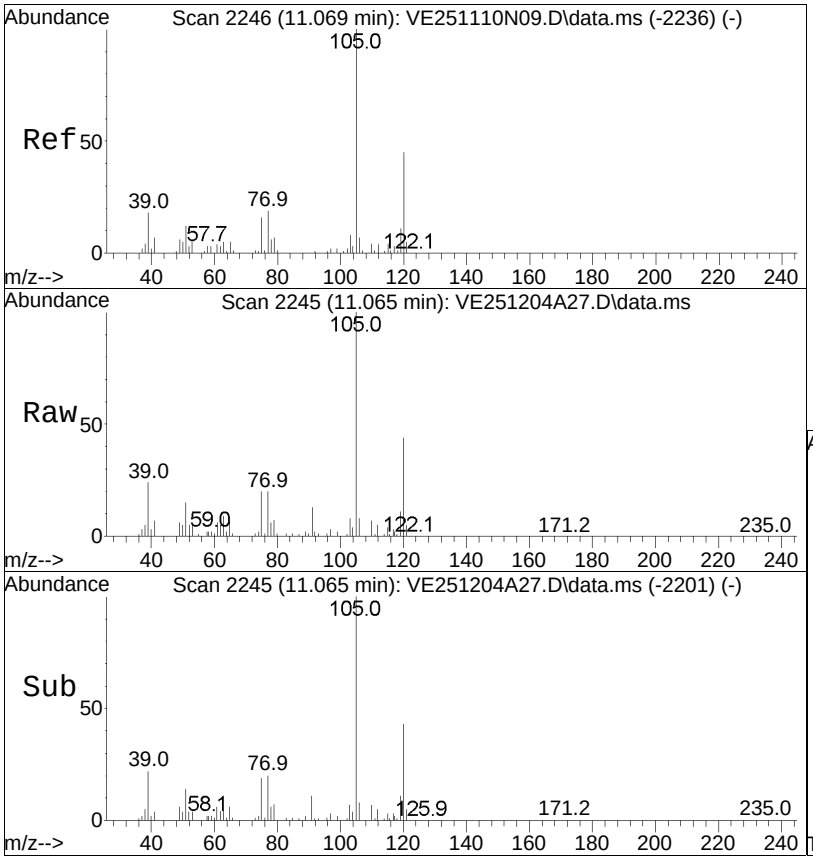


#94
2-Chlorotoluene
Concen: 8.85 ug/L M6
RT: 10.999 min Scan# 2230
Delta R.T. -0.004 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 91 Resp: 187695

Ion	Ratio	Lower	Upper
91	100		
126	30.8	23.2	34.8

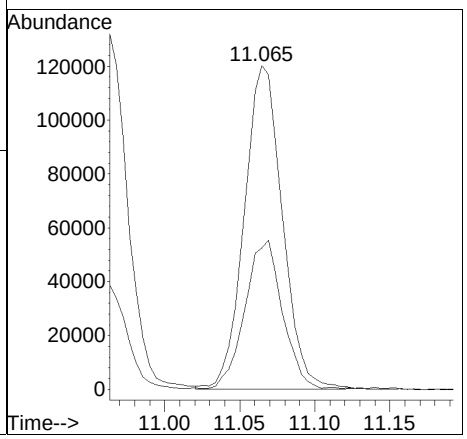


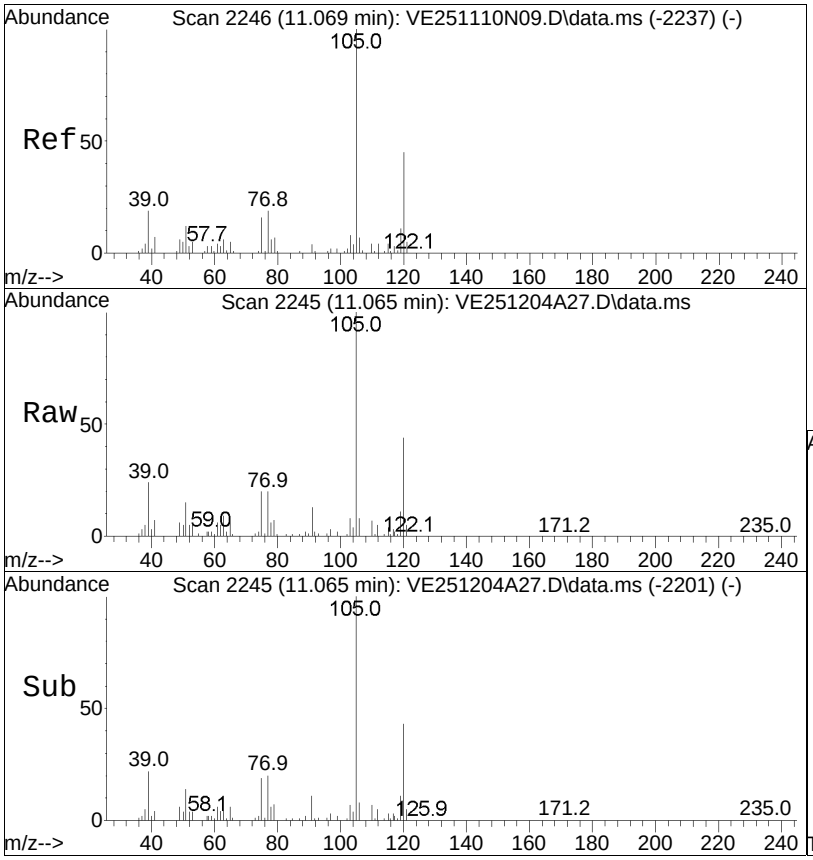


#95
1,3,5-Trimethylbenzene
Concen: 8.61 ug/L
RT: 11.065 min Scan# 2245
Delta R.T. -0.004 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:105 Resp: 212003

Ion	Ratio	Lower	Upper
105	100		
120	45.9	37.2	55.8

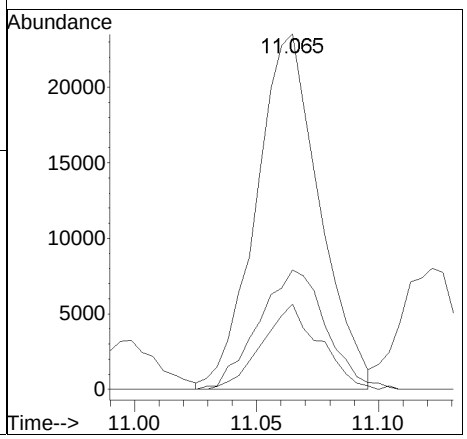


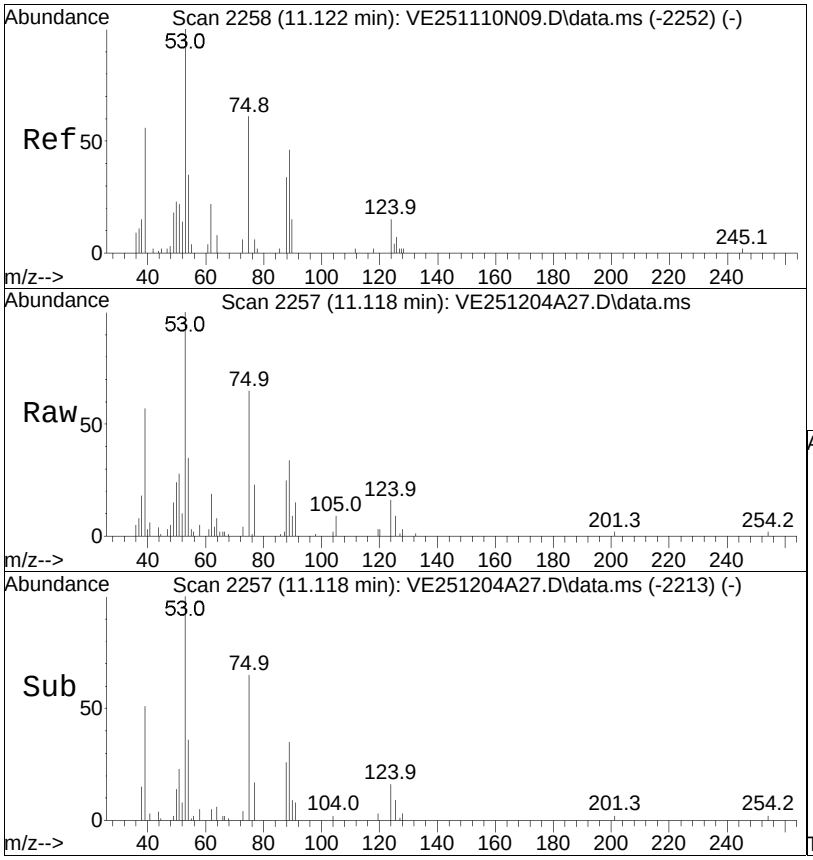


#96
1,2,3-Trichloropropane
Concen: 9.07 ug/L
RT: 11.065 min Scan# 2245
Delta R.T. -0.004 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 75 Resp: 42531

Ion	Ratio	Lower	Upper
75	100		
110	35.8	21.1	43.9
112	21.9	13.7	28.5

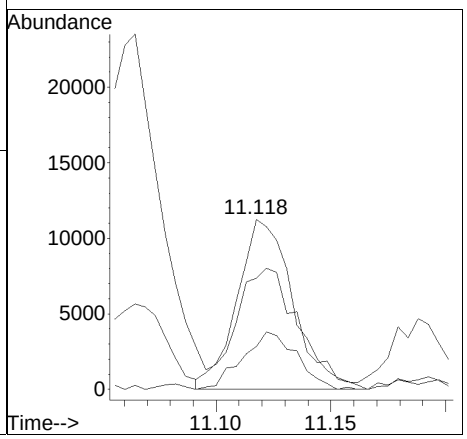


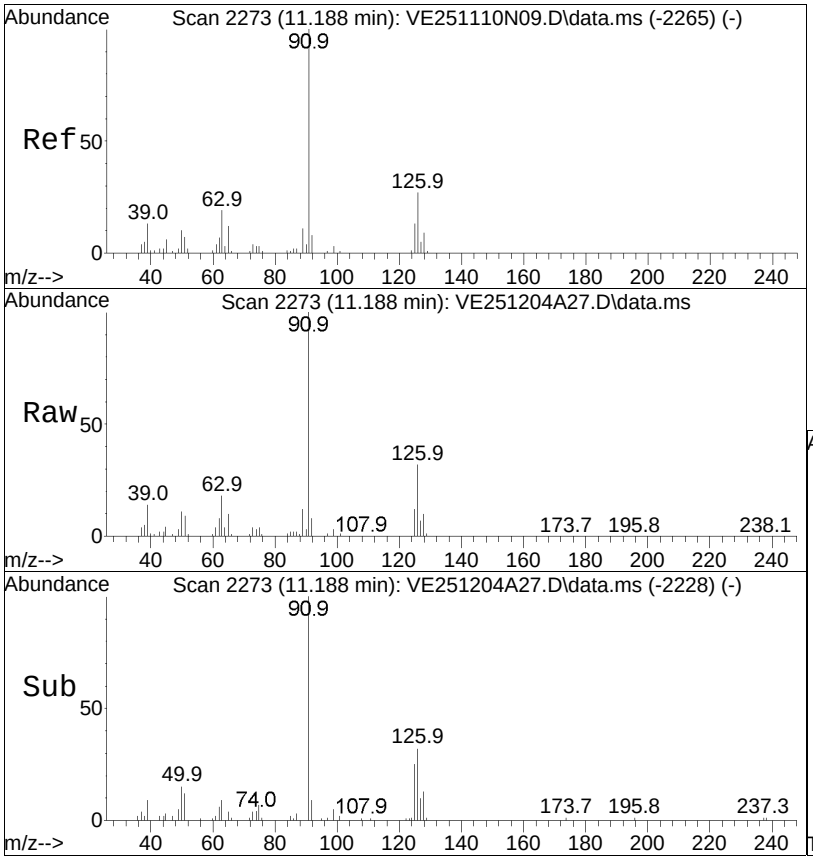


#97
trans-1,4-Dichloro-2-butene
Concen: 8.07 ug/L
RT: 11.118 min Scan# 2257
Delta R.T. -0.004 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 53 Resp: 19154

Ion	Ratio	Lower	Upper
53	100		
88	32.6	27.4	41.0
75	76.3	57.7	86.5

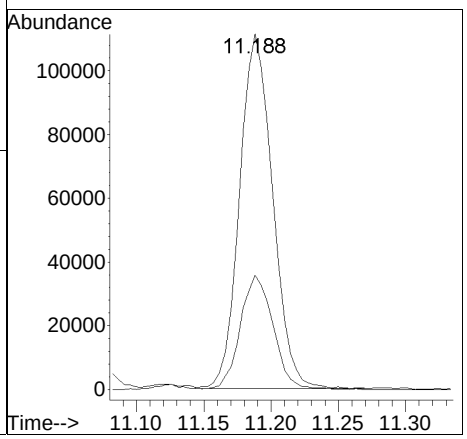


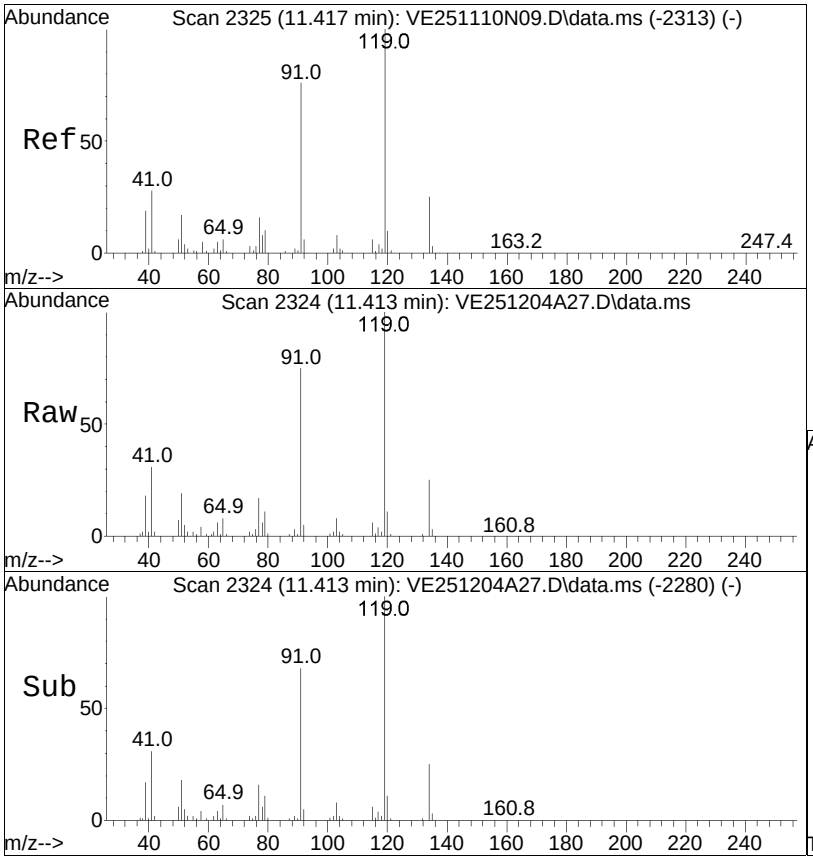


#98
4-Chlorotoluene
Concen: 8.86 ug/L
RT: 11.188 min Scan# 2273
Delta R.T. 0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 91 Resp: 190239

Ion	Ratio	Lower	Upper
91	100		
126	31.9	24.7	37.1

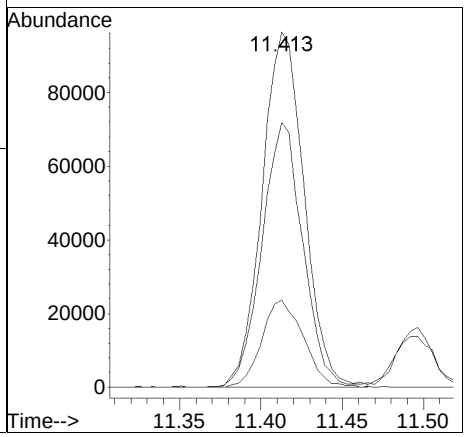


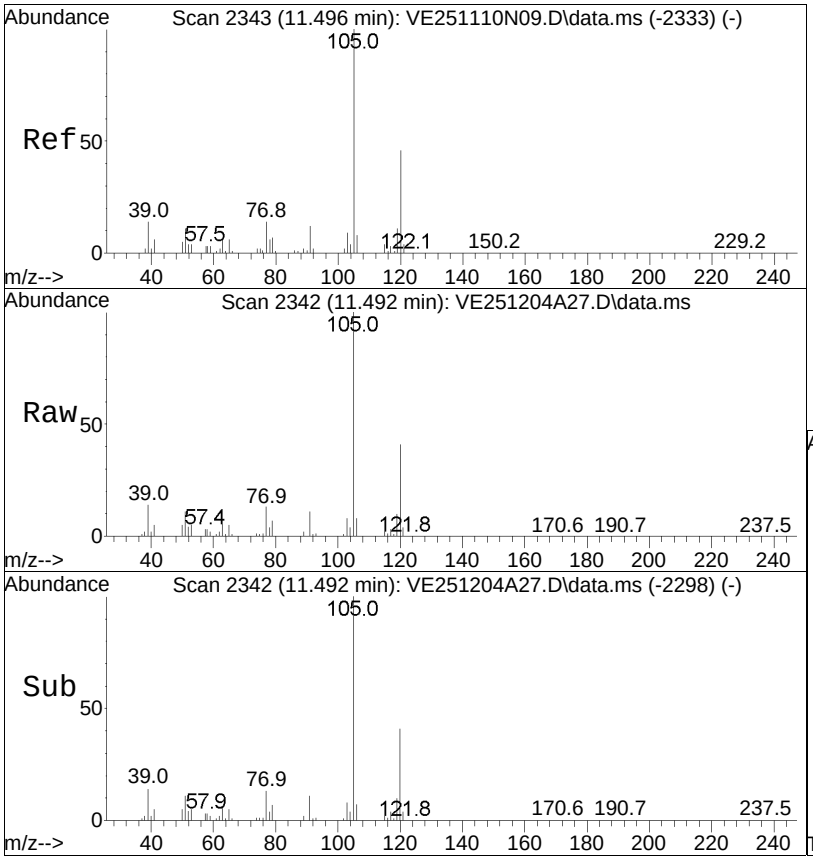


#99
tert-Butylbenzene
Concen: 8.71 ug/L
RT: 11.413 min Scan# 2324
Delta R.T. -0.004 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:119 Resp: 173853

Ion	Ratio	Lower	Upper
119	100		
91	72.5	59.3	88.9
134	24.4	19.4	29.2

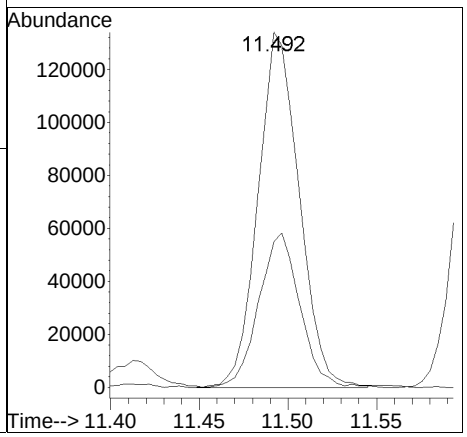


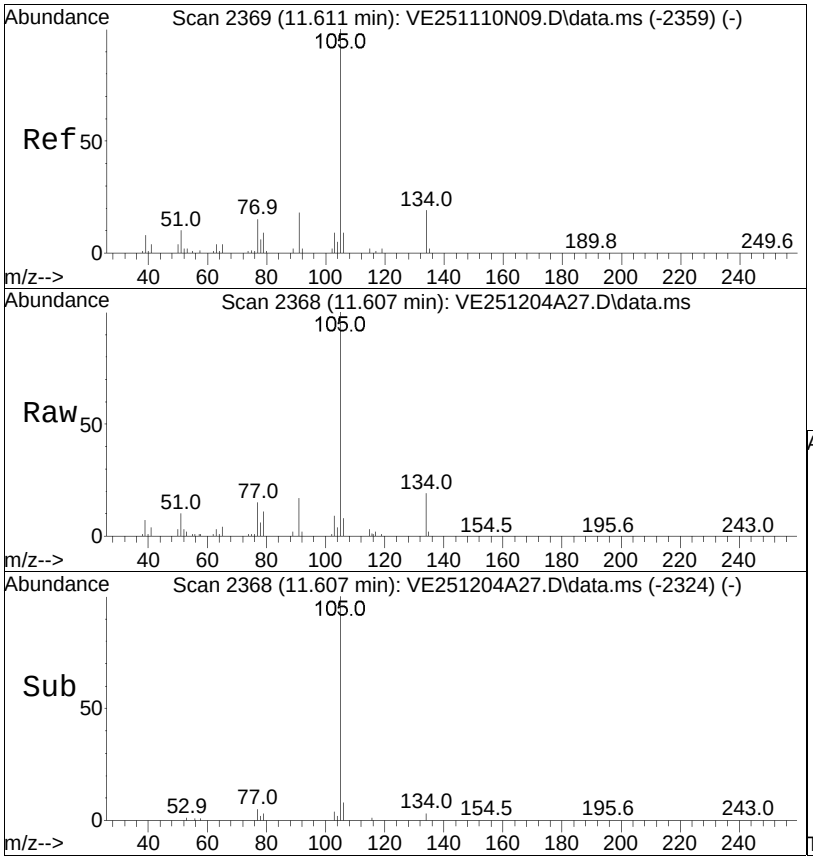


#102
1,2,4-Trimethylbenzene
Concen: 8.79 ug/L
RT: 11.492 min Scan# 2342
Delta R.T. -0.004 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:105 Resp: 215868

Ion	Ratio	Lower	Upper
105	100		
120	43.5	35.9	53.9

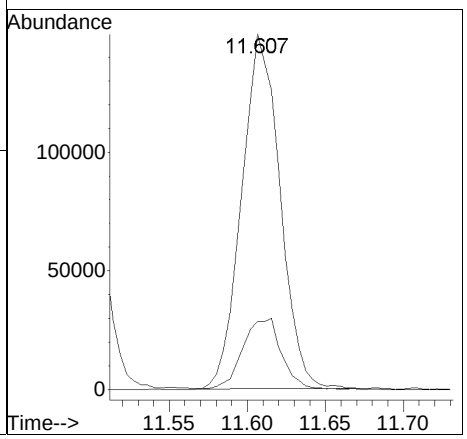


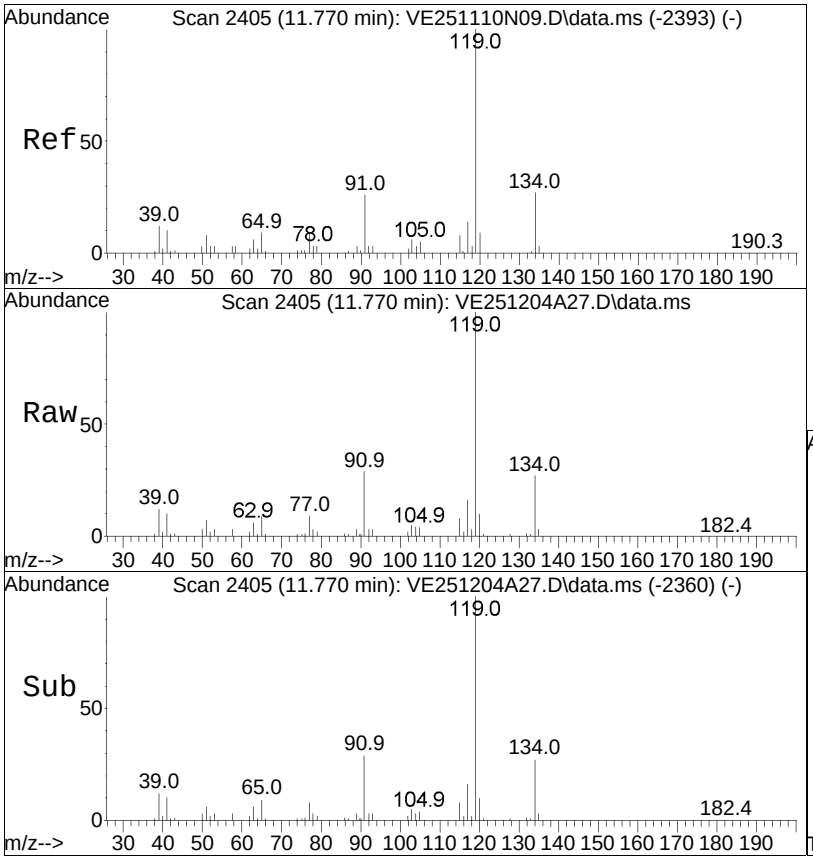


#103
sec-Butylbenzene
Concen: 8.37 ug/L
RT: 11.607 min Scan# 2368
Delta R.T. -0.004 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:105 Resp: 255792

Ion	Ratio	Lower	Upper
105	100		
134	20.2	12.2	25.2

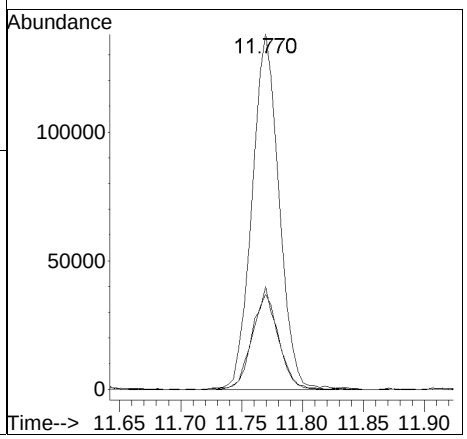


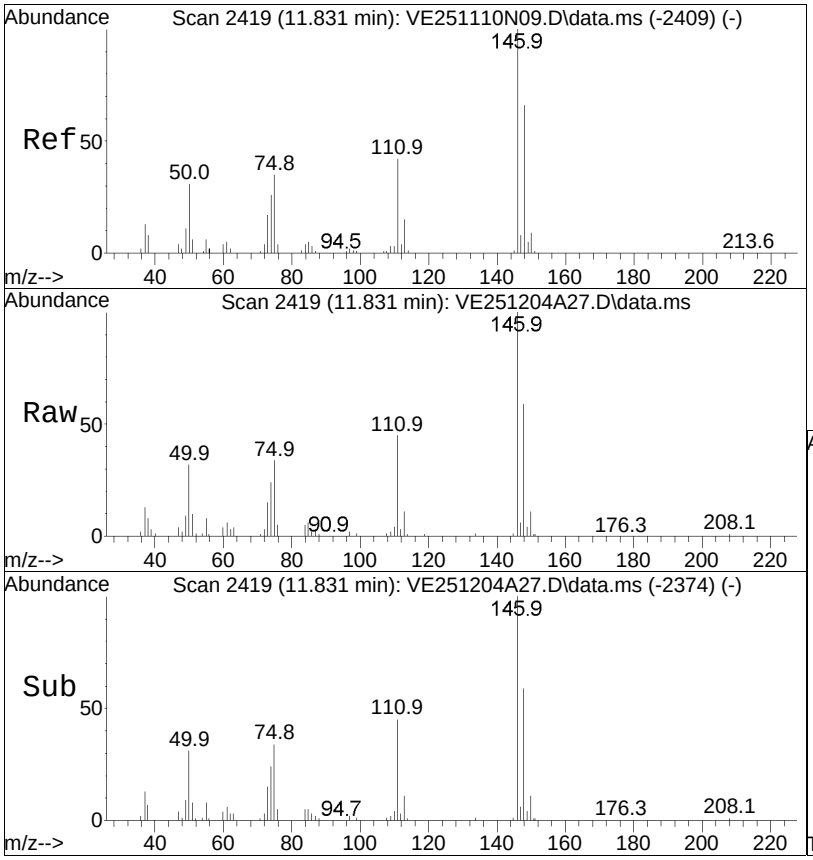


#104
p-Isopropyltoluene
Concen: 8.34 ug/L
RT: 11.770 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:119 Resp: 213544

Ion	Ratio	Lower	Upper
119	100		
134	26.1	16.8	34.8
91	27.3	18.0	37.4

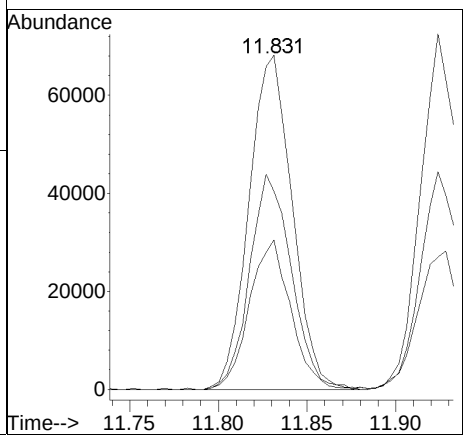


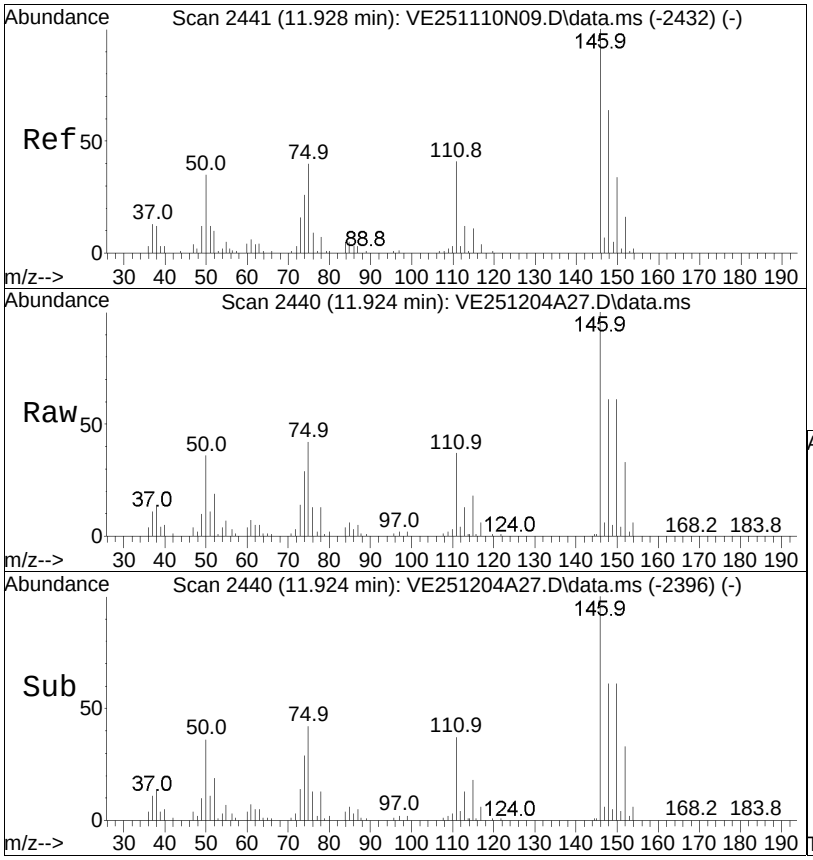


#105
1,3-Dichlorobenzene
Concen: 9.10 ug/L
RT: 11.831 min Scan# 2419
Delta R.T. 0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:146 Resp: 115777

Ion	Ratio	Lower	Upper
146	100		
111	42.7	28.9	60.1
148	62.1	40.8	84.6

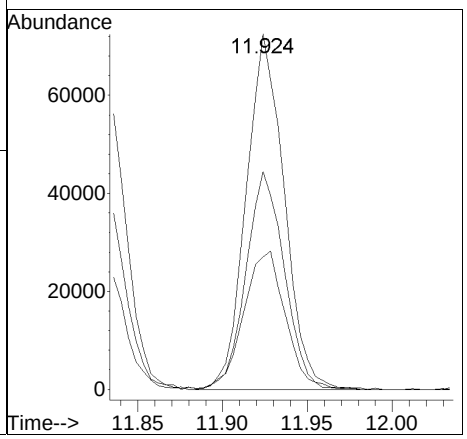


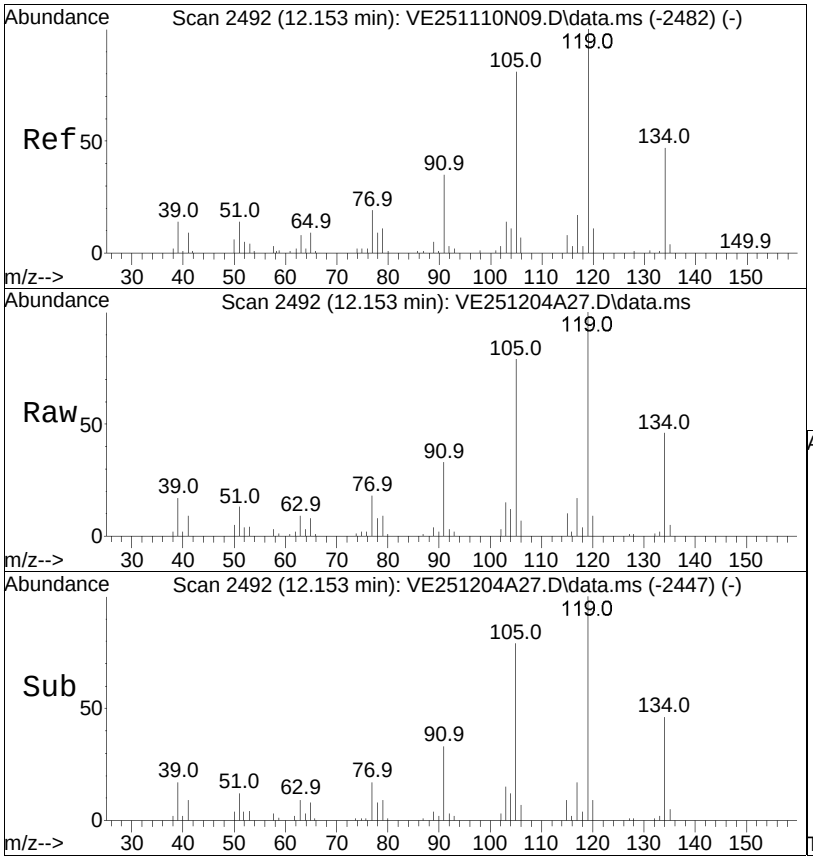


#106
1,4-Dichlorobenzene
Concen: 8.97 ug/L
RT: 11.924 min Scan# 2440
Delta R.T. -0.004 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:146 Resp: 113094

Ion	Ratio	Lower	Upper
146	100		
111	42.5	34.1	51.1
148	62.0	51.3	76.9

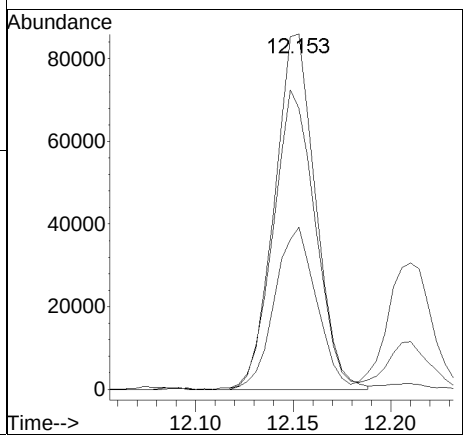


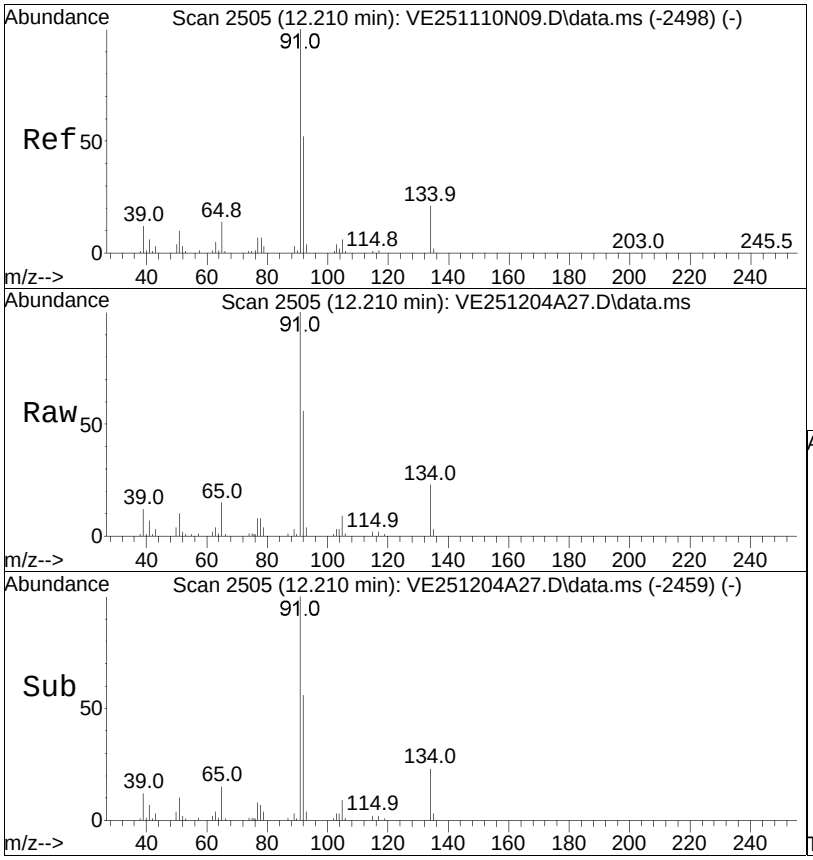


#107
p-Diethylbenzene
Concen: 8.32 ug/L
RT: 12.153 min Scan# 2492
Delta R.T. -0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:119 Resp: 126060

Ion	Ratio	Lower	Upper
119	100		
105	86.3	55.8	115.8
134	46.3	29.2	60.6

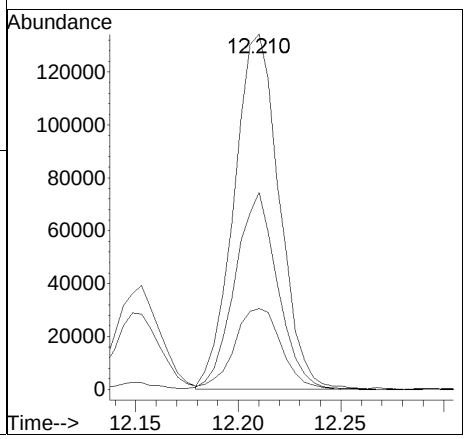


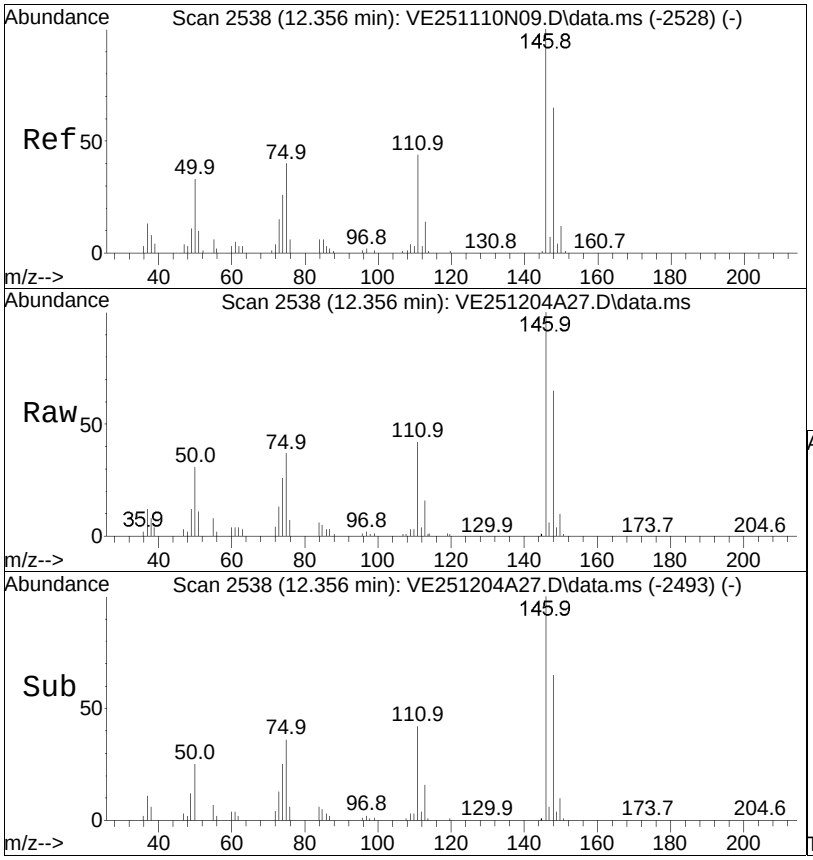


#108
n-Butylbenzene
Concen: 8.25 ug/L
RT: 12.210 min Scan# 2505
Delta R.T. 0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion: 91 Resp: 205651

Ion	Ratio	Lower	Upper
91	100		
92	52.7	41.4	62.0
134	23.7	18.8	28.2

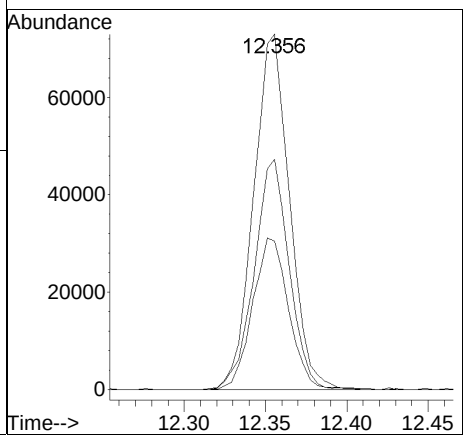


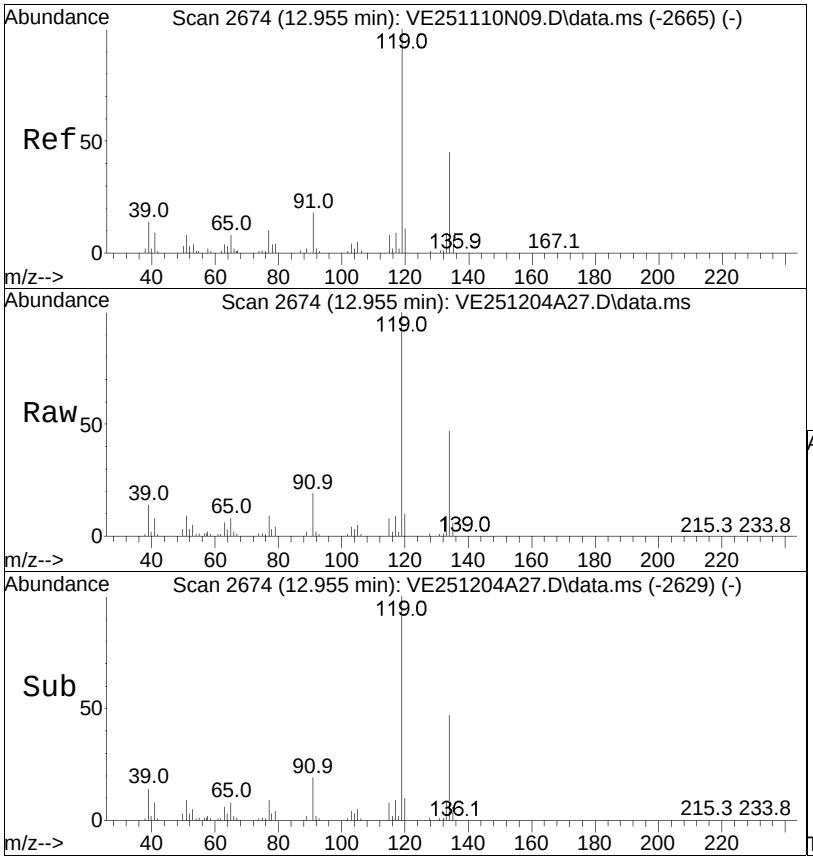


#109
1,2-Dichlorobenzene
Concen: 9.47 ug/L
RT: 12.356 min Scan# 2538
Delta R.T. -0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:146 Resp: 111892

Ion	Ratio	Lower	Upper
146	100		
111	42.8	29.4	61.0
148	63.2	40.4	83.8

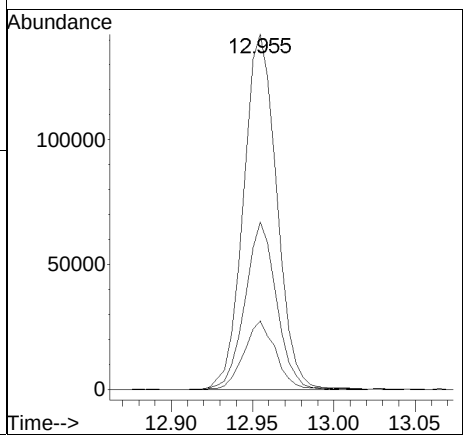


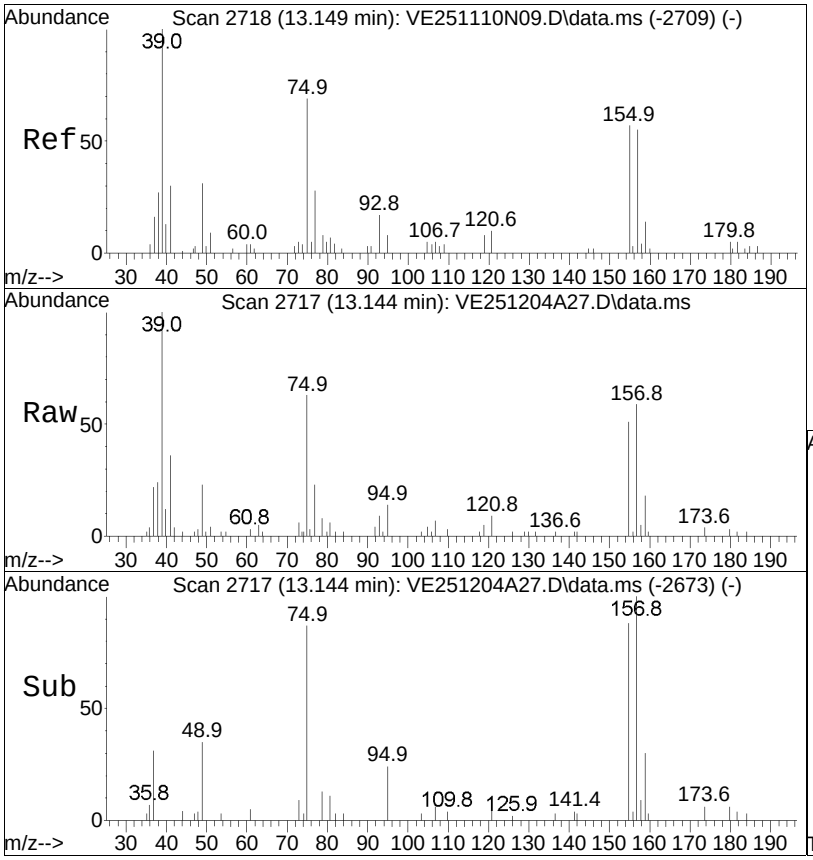


#110
1,2,4,5-Tetramethylbenzene
Concen: 7.90 ug/L
RT: 12.955 min Scan# 2674
Delta R.T. -0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:119 Resp: 202365

Ion	Ratio	Lower	Upper
119	100		
134	44.7	29.6	61.6
91	18.5	12.4	25.8

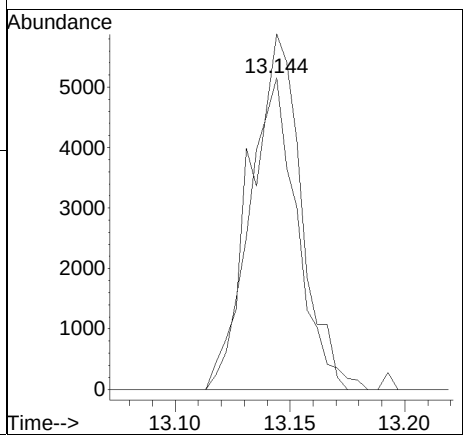


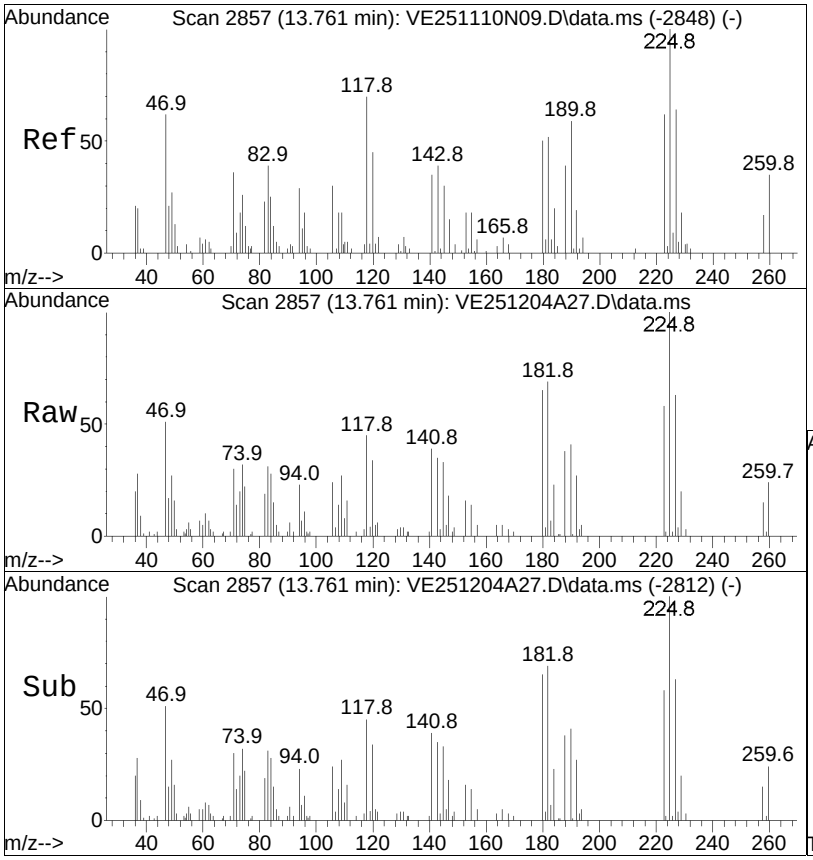


#111
1,2-Dibromo-3-chloropropane
Concen: 9.92 ug/L
RT: 13.144 min Scan# 2717
Delta R.T. -0.005 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:155 Resp: 7575

Ion	Ratio	Lower	Upper
155	100		
157	119.4	101.0	151.4

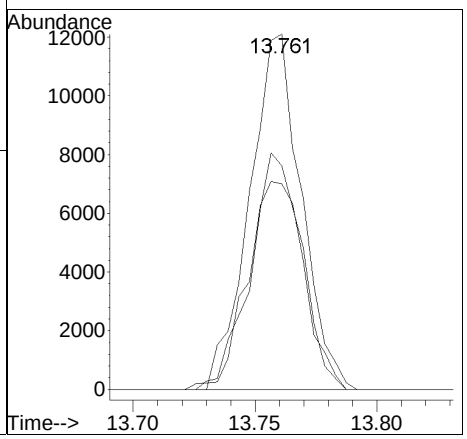


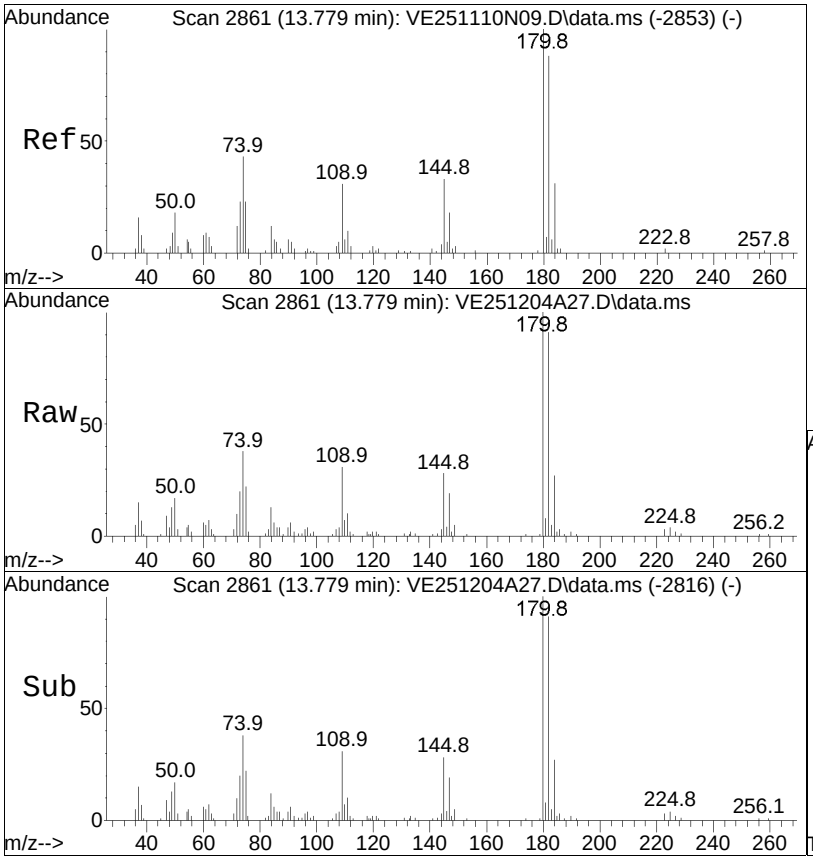


#113
Hexachlorobutadiene
Concen: 9.04 ug/L
RT: 13.761 min Scan# 2857
Delta R.T. -0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:225 Resp: 17914

Ion	Ratio	Lower	Upper
225	100		
223	63.8	53.8	80.8
227	65.7	52.1	78.1

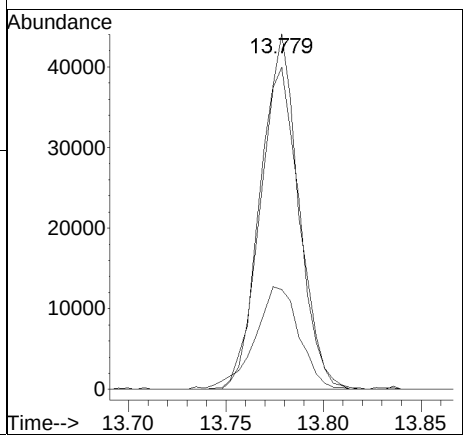


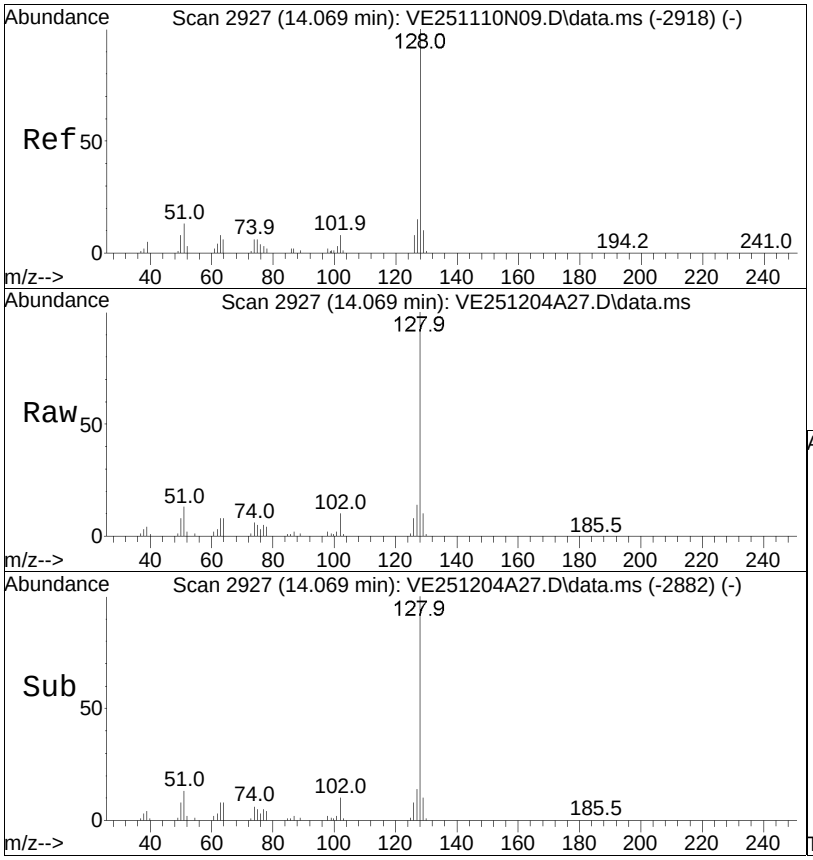


#114
1,2,4-Trichlorobenzene
Concen: 9.40 ug/L
RT: 13.779 min Scan# 2861
Delta R.T. -0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:180 Resp: 60108

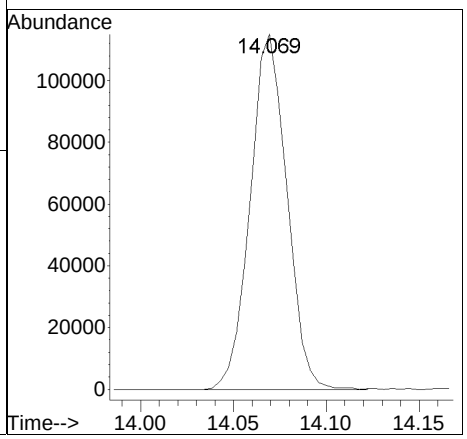
Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.1	112.7
145	33.8	29.6	44.4

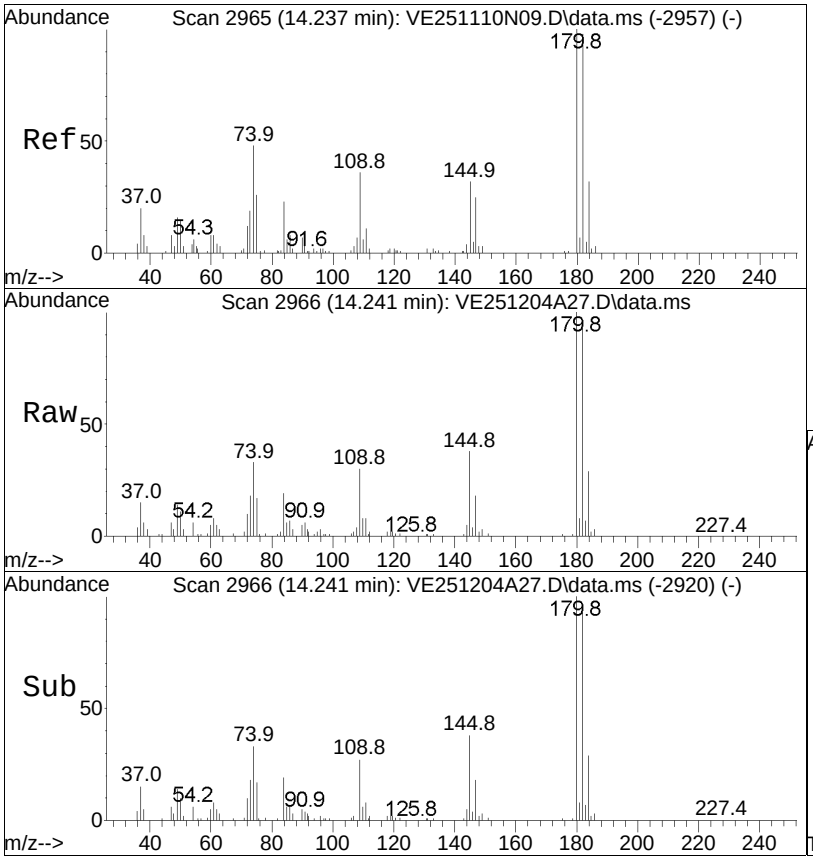




#115
Naphthalene
Concen: 9.89 ug/L
RT: 14.069 min Scan# 2927
Delta R.T. 0.000 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:128 Resp: 157662

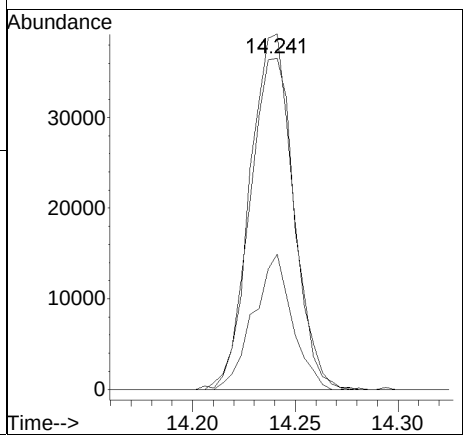




#116
1,2,3-Trichlorobenzene
Concen: 10.28 ug/L
RT: 14.241 min Scan# 2966
Delta R.T. 0.004 min
Lab File: VE251204A27.D
Acq: 4 Dec 2025 6:04 pm

Tgt Ion:180 Resp: 57325

Ion	Ratio	Lower	Upper
180	100		
182	96.3	78.9	118.3
145	34.1	27.7	41.5

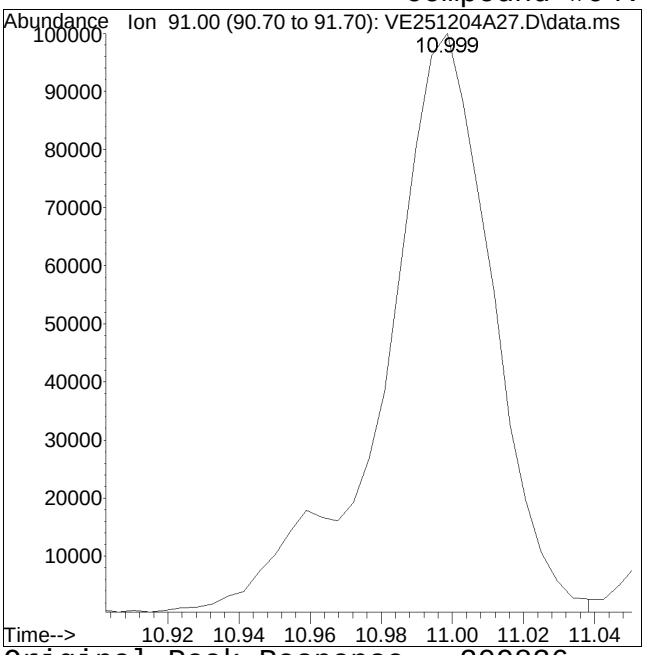


Manual Integration Report

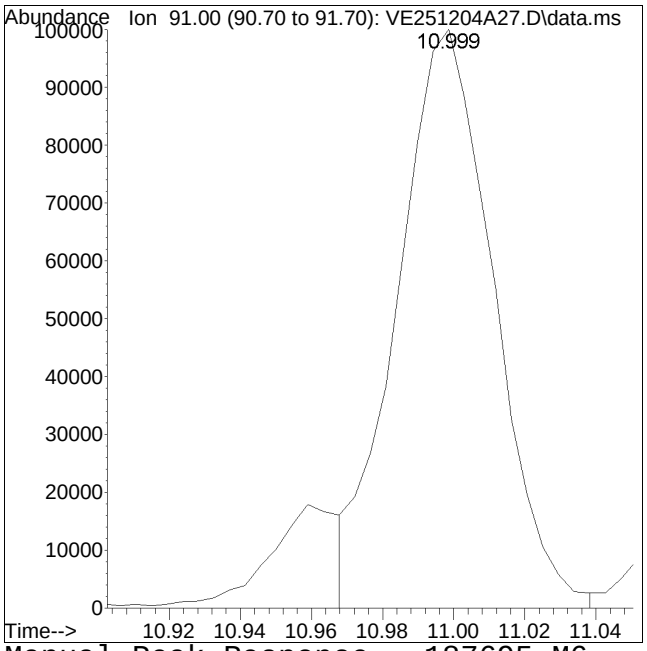
Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A27.D
Date Inj'd : 12/4/2025 6:04 pm
Sample : WG2149663-7,31,10,10,,A2

QMethod : Elaine_251111N_8260.m
Operator : ELAINE:MJV
Instrument : Elaine
Quant Date : 12/5/2025 5:54 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 209836



Manual Peak Response = 187695 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A29.D
Acq On : 4 Dec 2025 6:53 pm
Operator : ELAINE:MJV
Sample : WG2149663-9,31,10,10,,A2 (Sig #1); L2575144-08MSD,31,10,10,,A2 (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 05 06:07:45 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.629	96	212824	10.000	ug/L	0.00
Standard Area 1 = 228604			Recovery = 93.10%			
63) Chlorobenzene-d5	9.127	117	177900	10.000	ug/L	0.00
Standard Area 1 = 181694			Recovery = 97.91%			
84) 1,4-Dichlorobenzene-d4	11.911	152	100108	10.000	ug/L	0.00
Standard Area 1 = 98206			Recovery = 101.94%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.843	113	57740	9.843	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.43%			
47) 1,2-Dichloroethane-d4	5.353	65	76955	9.629	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.29%			
64) Toluene-d8	7.301	98	226056	9.495	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.95%			
88) 4-Bromofluorobenzene	10.664	95	90481	9.481	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.81%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.464	85	73169	10.490	ug/L	98
3) Chloromethane	1.640	50	101111	10.840	ug/L	97
4) Vinyl chloride	1.704	62	101477	13.972	ug/L	98
5) Bromomethane	1.980	94	18728	5.636	ug/L	88
6) Chloroethane	2.084	64	57505	12.155	ug/L	99
7) Trichlorofluoromethane	2.216	101	90694	10.556	ug/L	99
8) Ethyl ether	2.492	74	26622	9.475	ug/L	96
10) 1,1-Dichloroethene	2.673	96	52439	11.048	ug/L	92
11) Carbon disulfide	2.700	76	199718	12.434	ug/L	95
15) Methylene chloride	3.194	84	63269	10.955	ug/L	98
17) Acetone	3.230	43	22237	11.909	ug/L #	90
18) trans-1,2-Dichloroethene	3.344	96	46661	10.299	ug/L	97
21) Methyl tert-butyl ether	3.434	73	104189	9.893	ug/L #	90
25) 1,1-Dichloroethane	3.905	63	130502	10.694	ug/L	99
27) Acrylonitrile	3.942	53	20504	10.139	ug/L	98
29) Vinyl acetate	4.127	43	127220	9.146	ug/L	99
30) cis-1,2-Dichloroethene	4.404	96	61524	11.314	ug/L	82
31) 2,2-Dichloropropane	4.499	77	71855	9.350	ug/L	99
33) Bromochloromethane	4.598	128	26392	11.055	ug/L	79

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A29.D
Acq On : 4 Dec 2025 6:53 pm
Operator : ELAINE:MJV
Sample : WG2149663-9,31,10,10,,A2 (Sig #1); L2575144-08MSD,31,10,10,,A2 (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 05 06:07:45 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
35) Chloroform	4.666	83	97434	9.999	ug/L		93
37) Carbon tetrachloride	4.798	117	69830	12.007	ug/L		87
40) 1,1,1-Trichloroethane	4.857	97	85374	11.618	ug/L		95
42) 2-Butanone	4.952	43	21916	9.359	ug/L	#	62
43) 1,1-Dichloropropene	4.983	75	64932	10.442	ug/L		96
45) Benzene	5.217	78	207931	10.539	ug/L		98
48) 1,2-Dichloroethane	5.414	62	83487	10.234	ug/L		96
52) Trichloroethene	5.809	95	46817	9.838	ug/L		97
54) Dibromomethane	6.244	93	31037	10.585	ug/L		98
55) 1,2-Dichloropropane	6.336	63	61529	9.841	ug/L		95
58) Bromodichloromethane	6.415	83	70666	10.435	ug/L		97
61) 1,4-Dioxane	6.626	88	20654	545.930	ug/L		98
62) cis-1,3-Dichloropropene	7.104	75	67527	9.073	ug/L		94
65) Toluene	7.358	92	131849	9.989	ug/L		98
66) 4-Methyl-2-pentanone	7.793	58	16170	9.475	ug/L		98
67) Tetrachloroethene	7.797	166	45912	9.767	ug/L		99
69) trans-1,3-Dichloropropene	7.841	75	62512	7.932	ug/L		97
72) 1,1,2-Trichloroethane	8.025	83	31074	9.058	ug/L		96
73) Chlorodibromomethane	8.232	129	41745	9.043	ug/L		96
74) 1,3-Dichloropropane	8.341	76	70559	9.263	ug/L		98
75) 1,2-Dibromoethane	8.499	107	36204	8.899	ug/L		100
77) 2-Hexanone	8.798	43	38064	9.312	ug/L		93
78) Chlorobenzene	9.149	112	150899	10.220	ug/L		86
79) Ethylbenzene	9.188	91	280305	10.167	ug/L		100
80) 1,1,1,2-Tetrachloroethane	9.236	131	42901	9.586	ug/L		100
81) p/m Xylene	9.377	106	214119	19.885	ug/L		97
82) o Xylene	9.921	106	214281	20.081	ug/L		98
83) Styrene	9.991	104	349406	18.751	ug/L		99
85) Bromoform	10.009	173	23672	8.241	ug/L		98
87) Isopropylbenzene	10.325	105	277077	9.506	ug/L		99
89) Bromobenzene	10.774	156	60149	9.935	ug/L		97
90) n-Propylbenzene	10.831	91	347832	9.472	ug/L		99
92) 1,1,2,2-Tetrachloroethane	10.933	83	51510	9.365	ug/L		94
93) 4-Ethyltoluene	10.959	105	281394	9.824	ug/L		99
94) 2-Chlorotoluene	10.999	91	216003M1	9.762	ug/L		
95) 1,3,5-Trimethylbenzene	11.065	105	243637	9.492	ug/L		100
96) 1,2,3-Trichloropropane	11.065	75	44546	9.106	ug/L		96
97) trans-1,4-Dichloro-2-b...	11.118	53	19790	7.993	ug/L		98

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A29.D
Acq On : 4 Dec 2025 6:53 pm
Operator : ELAINE:MJV
Sample : WG2149663-9,31,10,10,,A2 (Sig #1); L2575144-08MSD,31,10,10,,A2 (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 05 06:07:45 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\251204A\VE251204A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 4-Chlorotoluene	11.188	91	221334	9.890	ug/L	100
99) tert-Butylbenzene	11.413	119	208010	9.995	ug/L	98
102) 1,2,4-Trimethylbenzene	11.492	105	246895	9.645	ug/L	99
103) sec-Butylbenzene	11.607	105	310651	9.748	ug/L	100
104) p-Isopropyltoluene	11.770	119	254976	9.548	ug/L	98
105) 1,3-Dichlorobenzene	11.827	146	131912	9.948	ug/L	98
106) 1,4-Dichlorobenzene	11.924	146	130584	9.930	ug/L	98
107) p-Diethylbenzene	12.149	119	148145	9.381	ug/L	99
108) n-Butylbenzene	12.210	91	243694	9.371	ug/L	100
109) 1,2-Dichlorobenzene	12.356	146	125529	10.192	ug/L	98
110) 1,2,4,5-Tetramethylben...	12.955	119	242673	9.089	ug/L	98
111) 1,2-Dibromo-3-chloropr...	13.144	155	7624	9.590	ug/L	99
113) Hexachlorobutadiene	13.757	225	22542	10.854	ug/L	97
114) 1,2,4-Trichlorobenzene	13.779	180	70330	10.546	ug/L	98
115) Naphthalene	14.070	128	164834	9.917	ug/L	100
116) 1,2,3-Trichlorobenzene	14.241	180	63564	10.927	ug/L	97

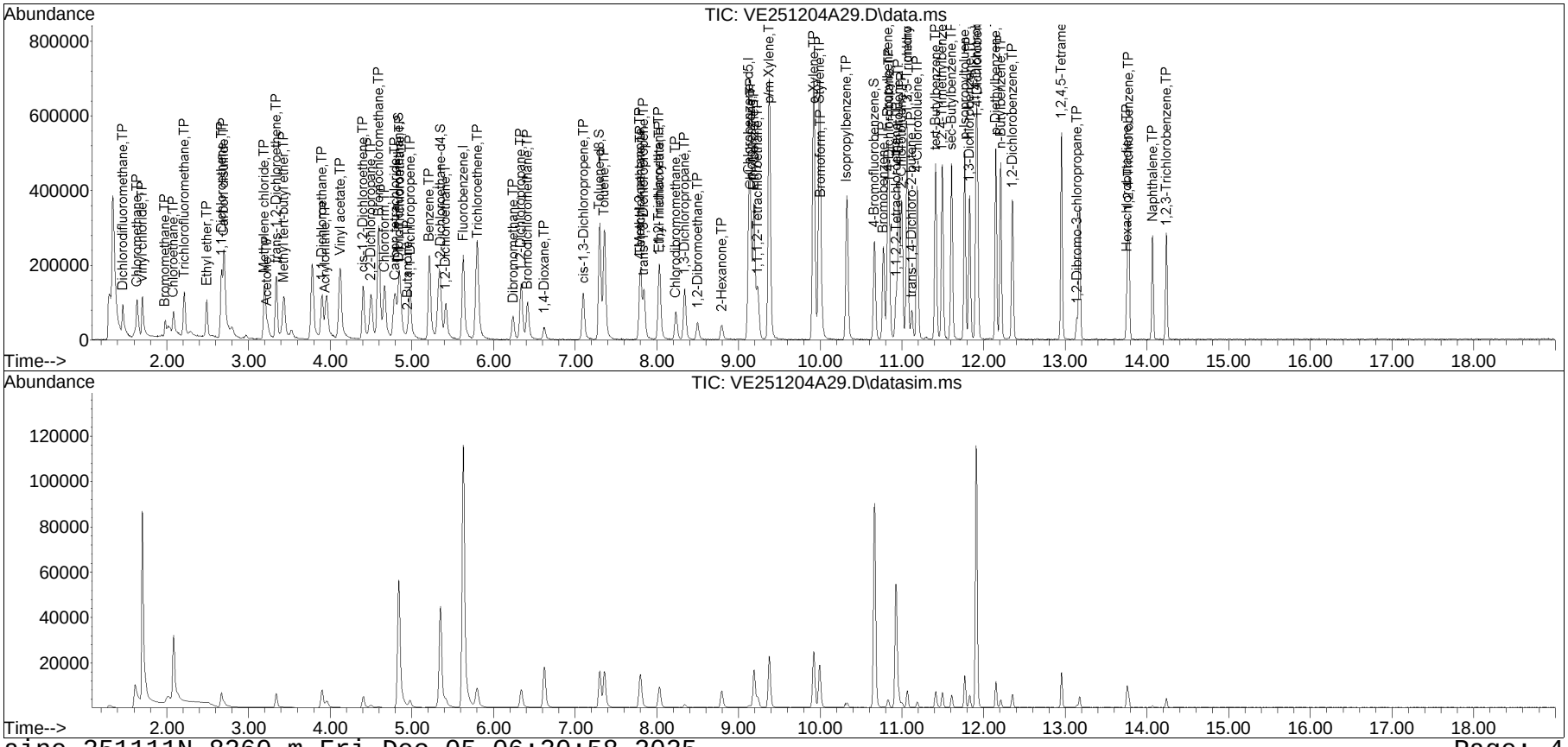
(#) = qualifier out of range (m) = manual integration (+) = signals summed

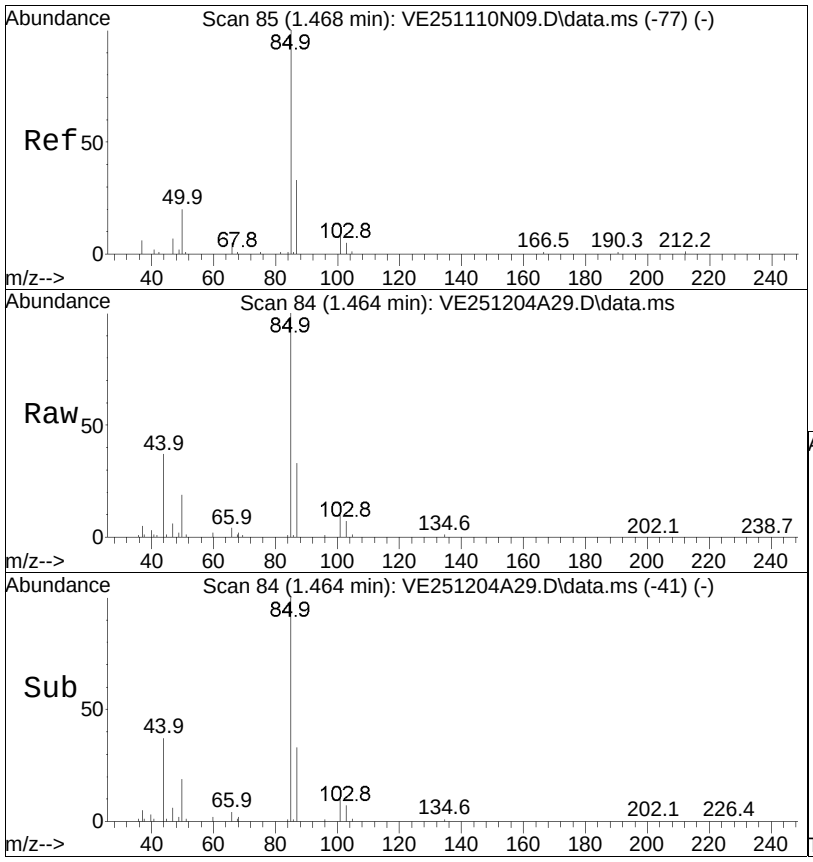
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A29.D
Acq On : 4 Dec 2025 6:53 pm
Operator : ELAINE:MJV
Sample : WG2149663-9,31,10,10,,A2 (Sig #1); L2575144-08MSD,31,10,10,,A2 (Sig #2)
Misc : WG2149663,ICAL22806 (Sig #1); WG,ICAL22806 (Sig #2)
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 05 06:07:45 2025
Quant Method : K:\Elaine\2025\251204A\Elaine_251111N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 12 12:15:18 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox51204A01.D•

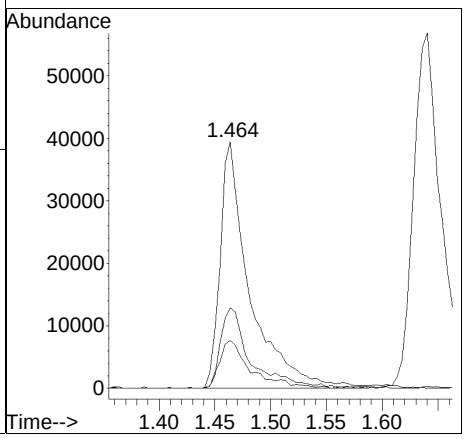


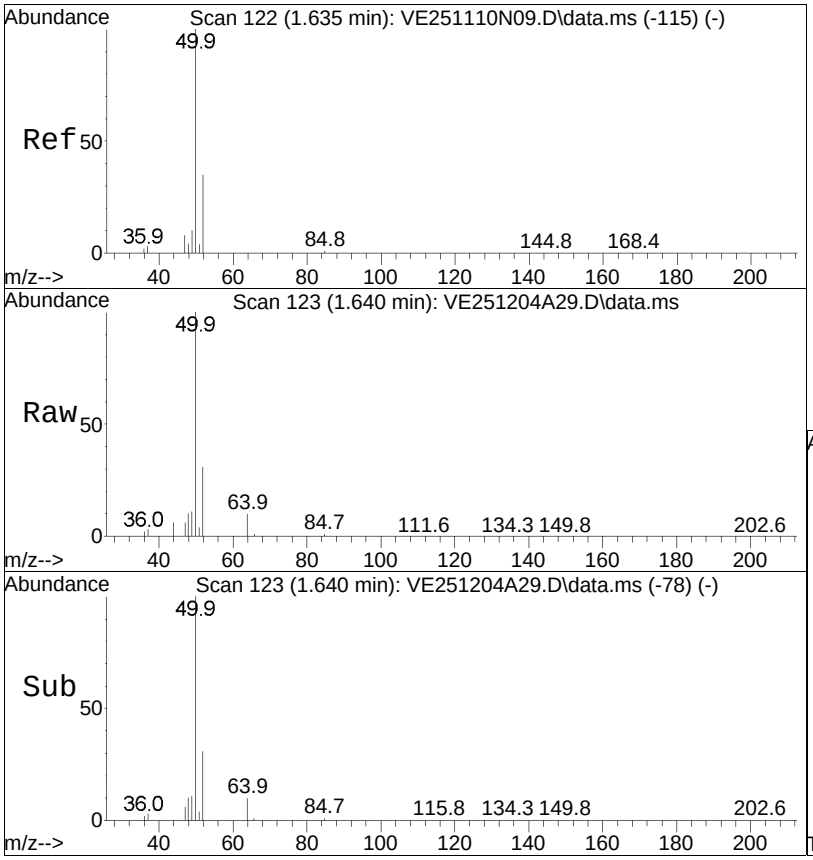


#2
Dichlorodifluoromethane
Concen: 10.49 ug/L
RT: 1.464 min Scan# 84
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 85 Resp: 73169

Ion	Ratio	Lower	Upper
85	100		
87	32.9	20.6	42.8
50	20.6	12.9	26.9

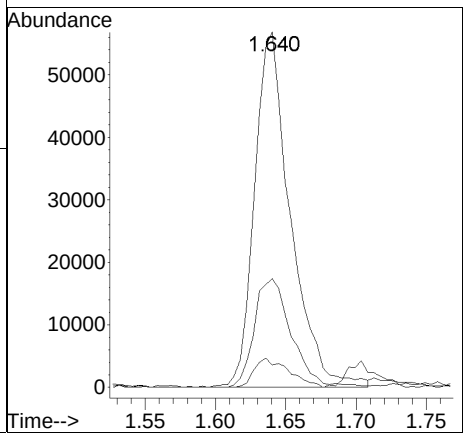


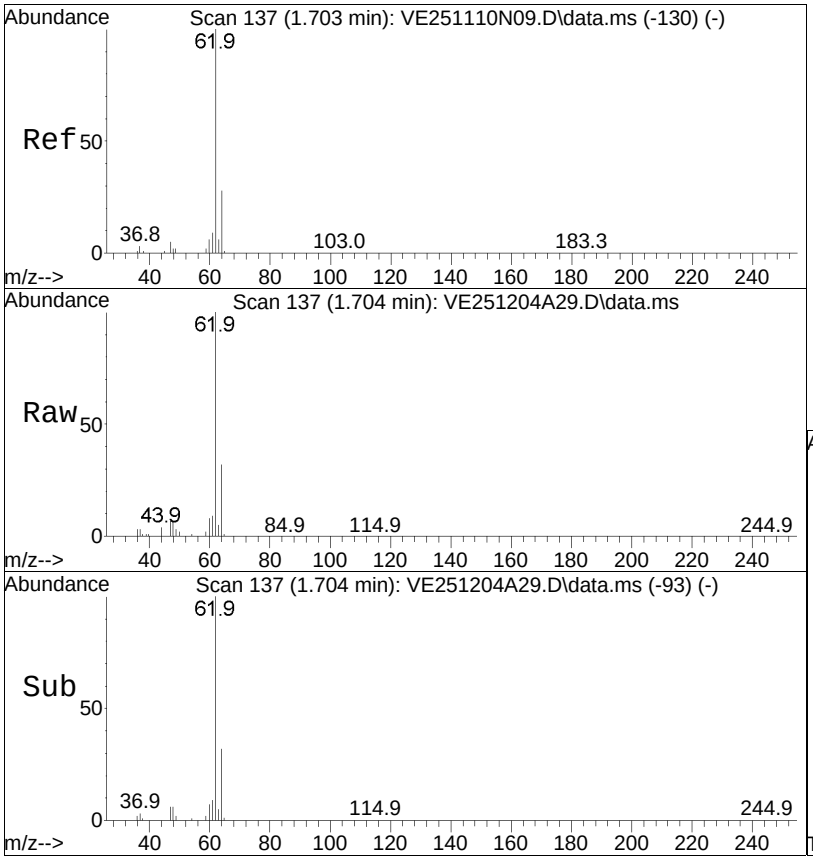


#3
Chloromethane
Concen: 10.84 ug/L
RT: 1.640 min Scan# 123
Delta R.T. 0.005 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 50 Resp: 101111

Ion	Ratio	Lower	Upper
50	100		
52	31.6	13.7	53.7
47	8.0	0.0	27.6

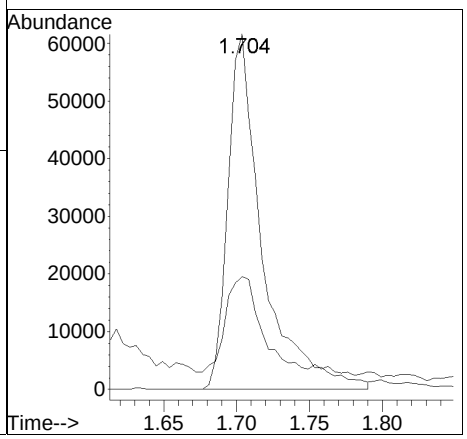


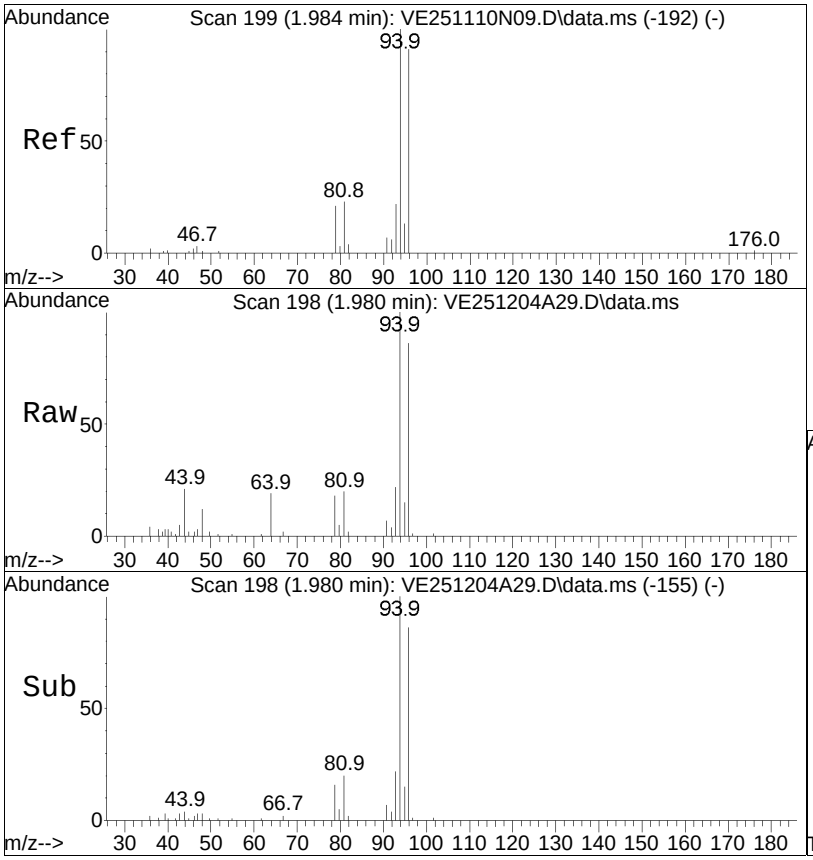


#4
Vinyl chloride
Concen: 13.97 ug/L
RT: 1.704 min Scan# 137
Delta R.T. 0.001 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 62 Resp: 101477

Ion	Ratio	Lower	Upper
62	100		
64	29.4	10.6	50.6

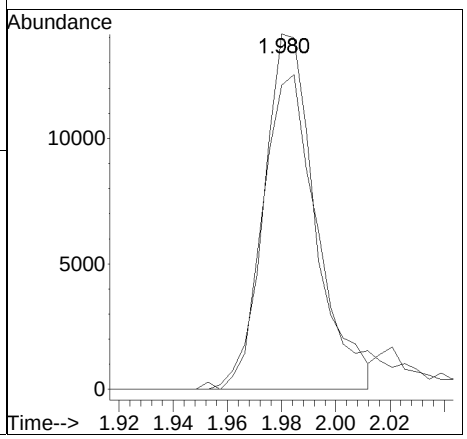


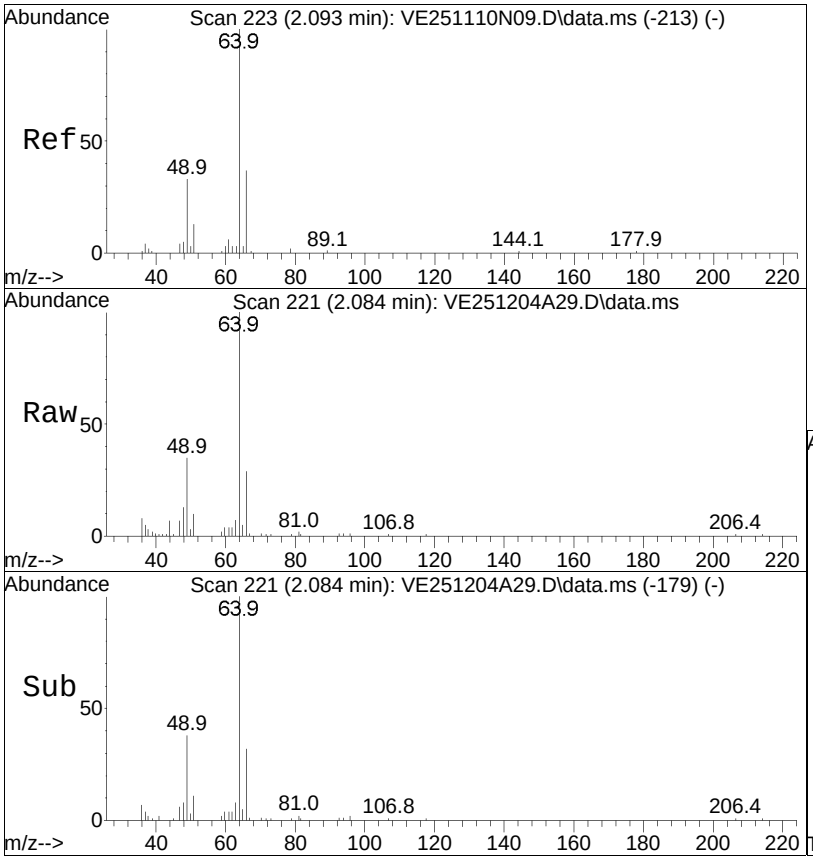


#5
Bromomethane
Concen: 5.64 ug/L
RT: 1.980 min Scan# 198
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 94 Resp: 18728

Ion	Ratio	Lower	Upper
94	100		
96	103.0	71.9	111.9

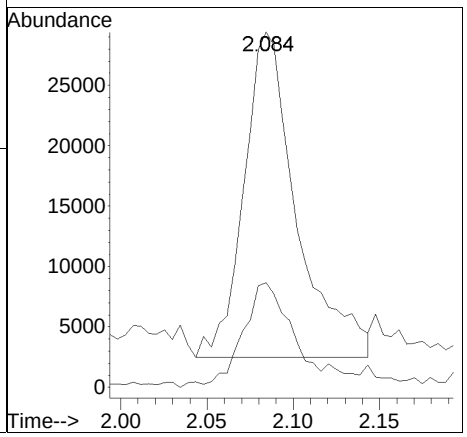


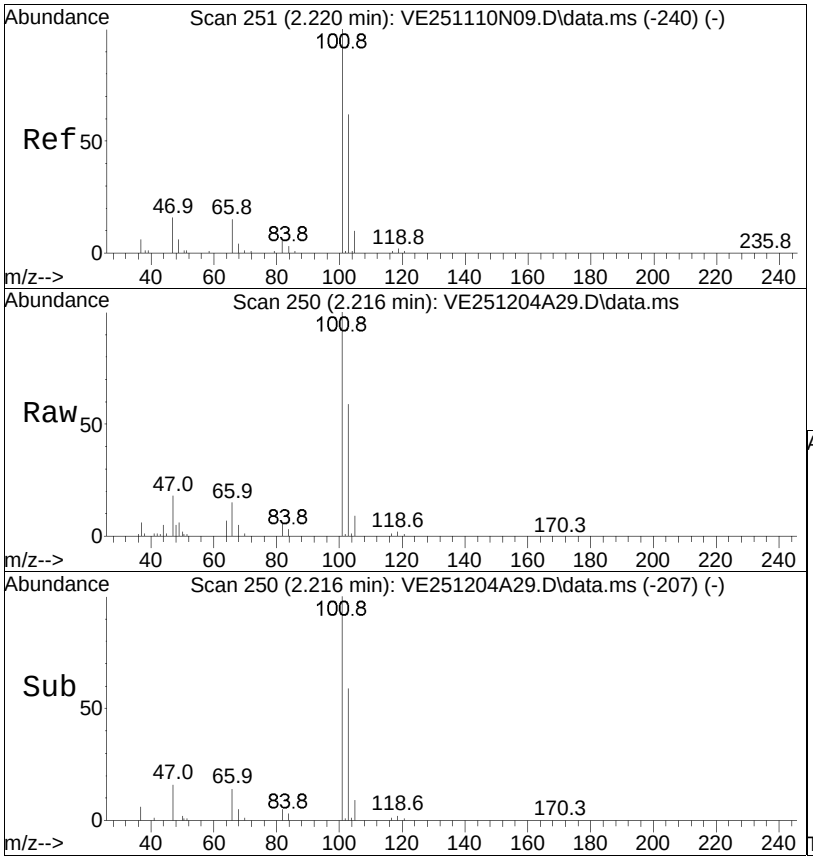


#6
Chloroethane
Concen: 12.15 ug/L
RT: 2.084 min Scan# 221
Delta R.T. -0.009 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 64 Resp: 57505

Ion	Ratio	Lower	Upper
64	100		
66	33.0	12.2	52.2

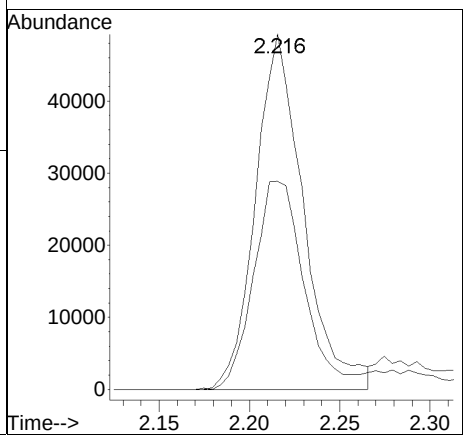


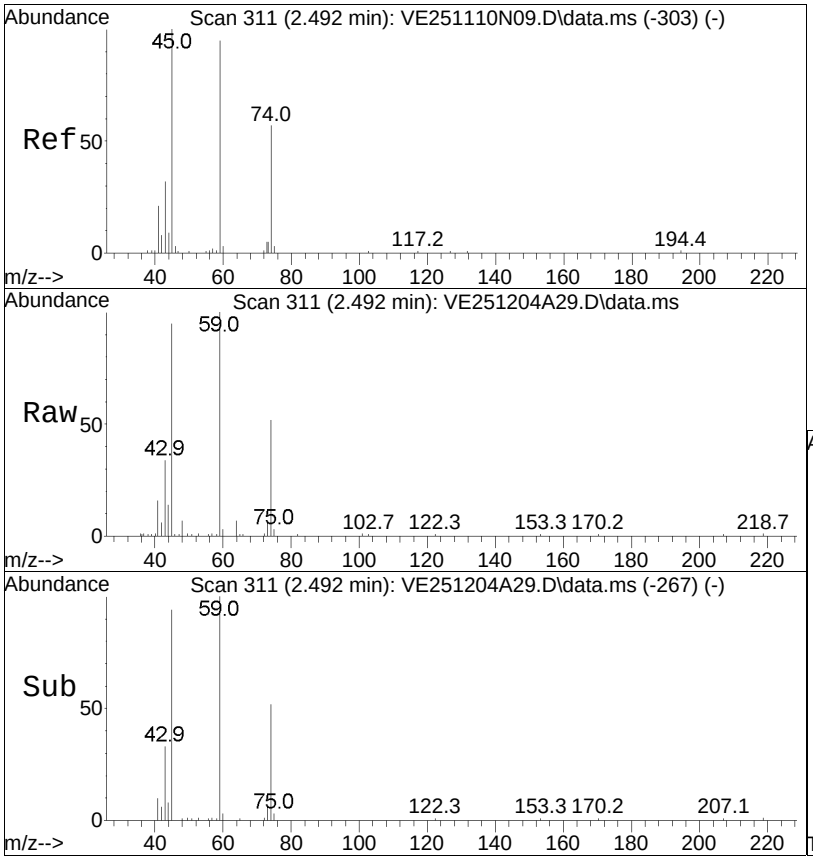


#7
Trichlorofluoromethane
Concen: 10.56 ug/L
RT: 2.216 min Scan# 250
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:101 Resp: 90694

Ion	Ratio	Lower	Upper
101	100		
103	62.1	49.4	74.0

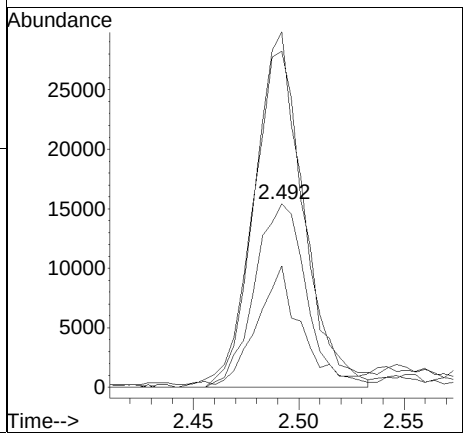


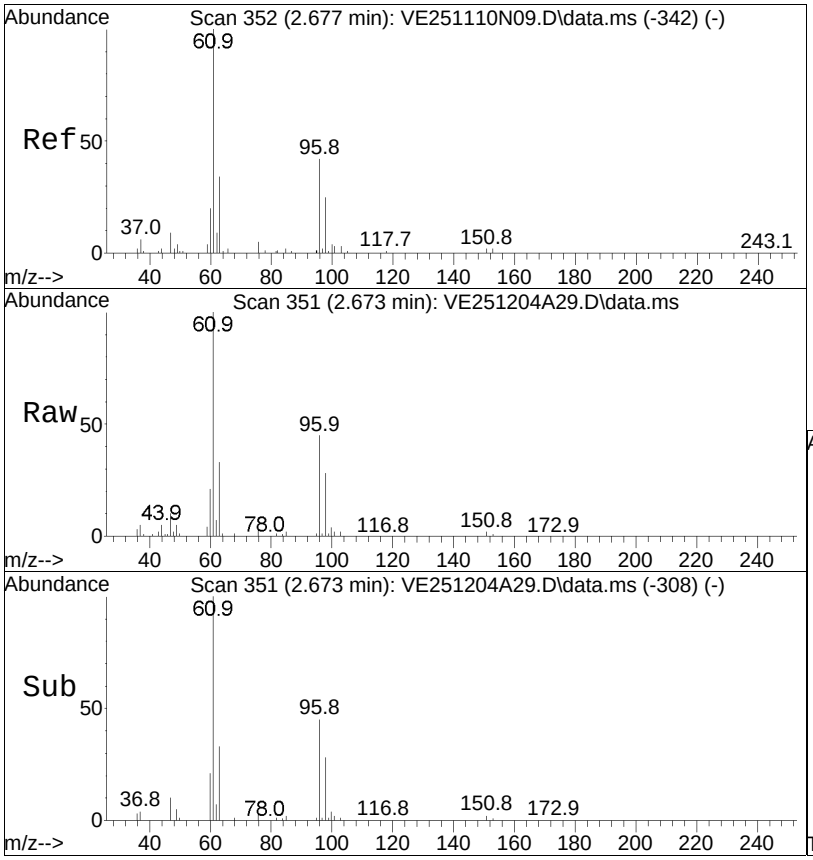


#8
Ethyl ether
Concen: 9.48 ug/L
RT: 2.492 min Scan# 311
Delta R.T. -0.000 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 74 Resp: 26622

Ion	Ratio	Lower	Upper
74	100		
59	178.4	114.5	237.9
45	182.0	120.8	250.8
43	55.2	42.9	89.1

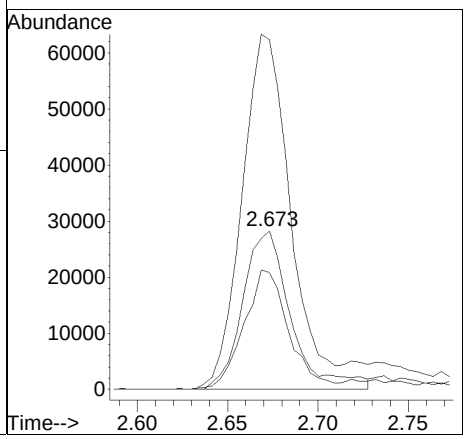


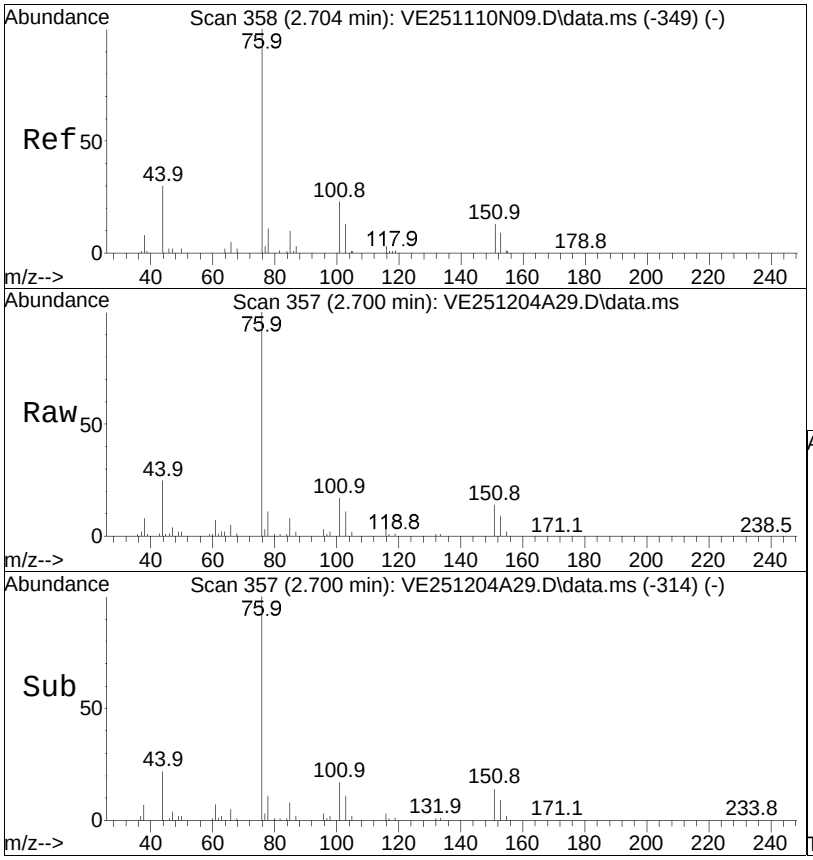


#10
1,1-Dichloroethene
Concen: 11.05 ug/L
RT: 2.673 min Scan# 351
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 96 Resp: 52439

Ion	Ratio	Lower	Upper
96	100		
61	222.5	190.2	285.2
63	70.2	59.9	89.9

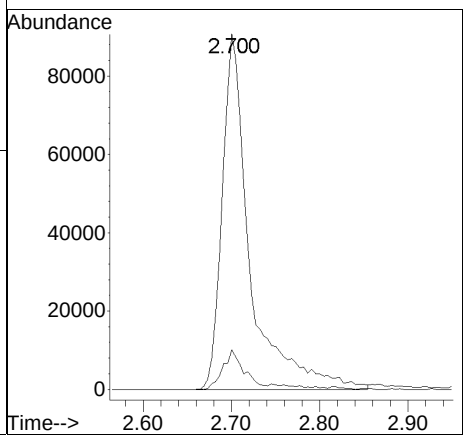


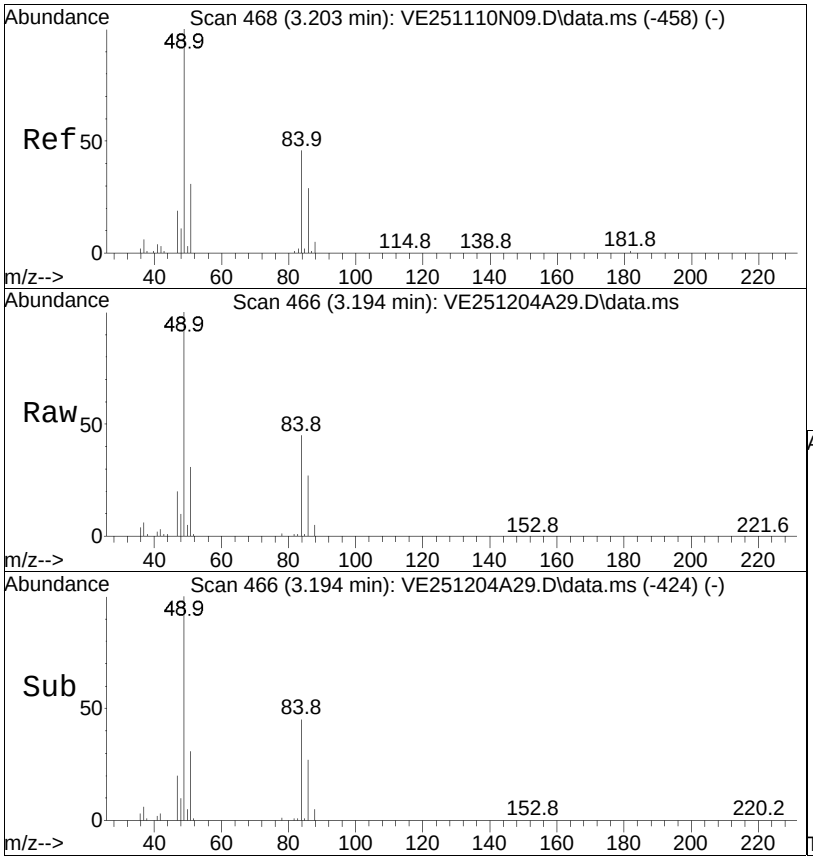


#11
Carbon disulfide
Concen: 12.43 ug/L
RT: 2.700 min Scan# 357
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 76 Resp: 199718

Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	13.8

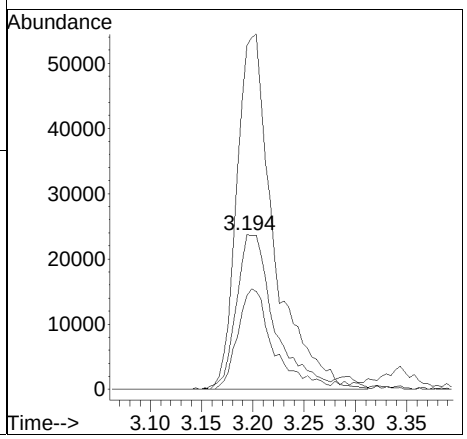


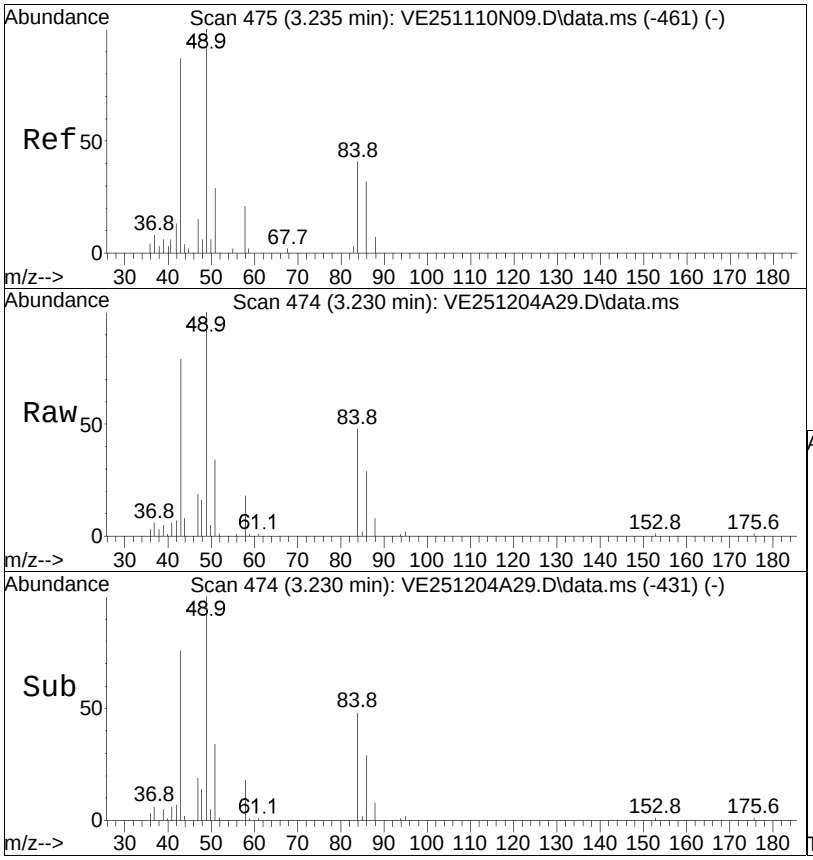


#15
Methylene chloride
Concen: 10.95 ug/L
RT: 3.194 min Scan# 466
Delta R.T. -0.009 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 84 Resp: 63269

Ion	Ratio	Lower	Upper
84	100		
86	59.6	41.8	86.8
49	216.1	141.8	294.6

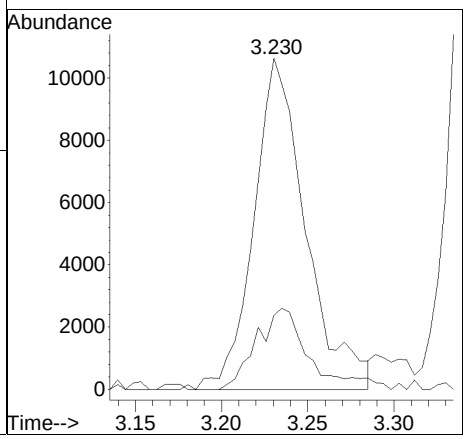


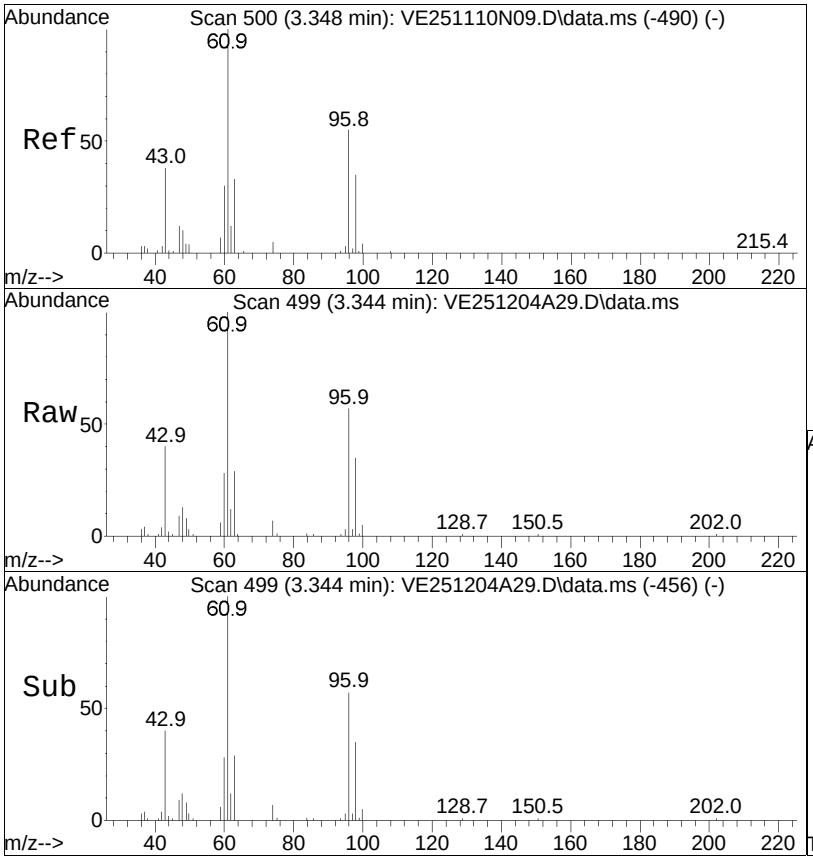


#17
Acetone
Concen: 11.91 ug/L
RT: 3.230 min Scan# 474
Delta R.T. -0.005 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 43 Resp: 22237

Ion	Ratio	Lower	Upper
43	100		
58	24.9	16.2	24.4#

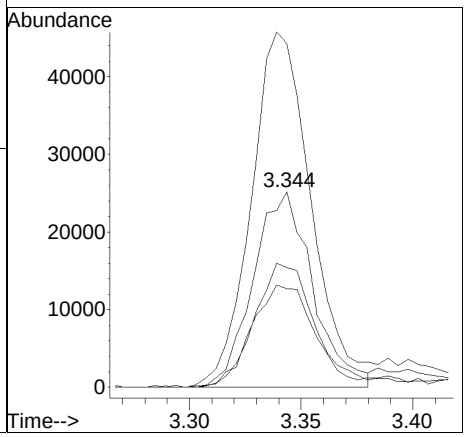


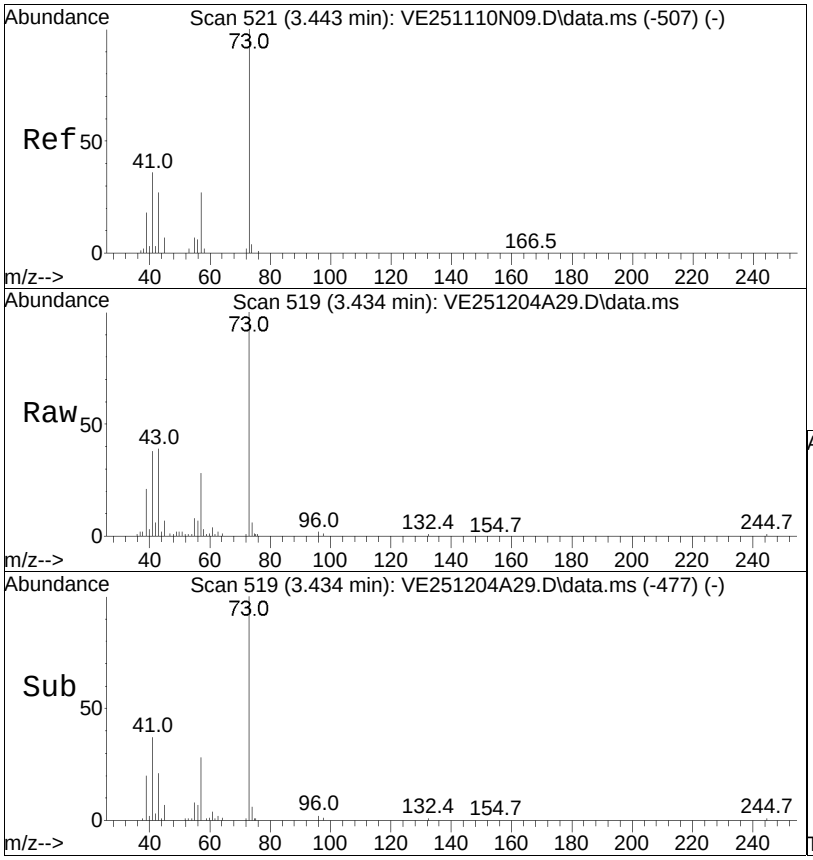


#18
trans-1,2-Dichloroethene
Concen: 10.30 ug/L
RT: 3.344 min Scan# 499
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 96 Resp: 46661

Ion	Ratio	Lower	Upper
96	100		
61	184.6	118.2	245.6
98	64.2	41.9	86.9
63	55.4	39.4	81.8

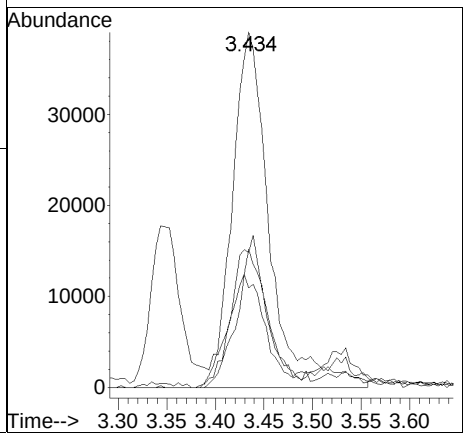


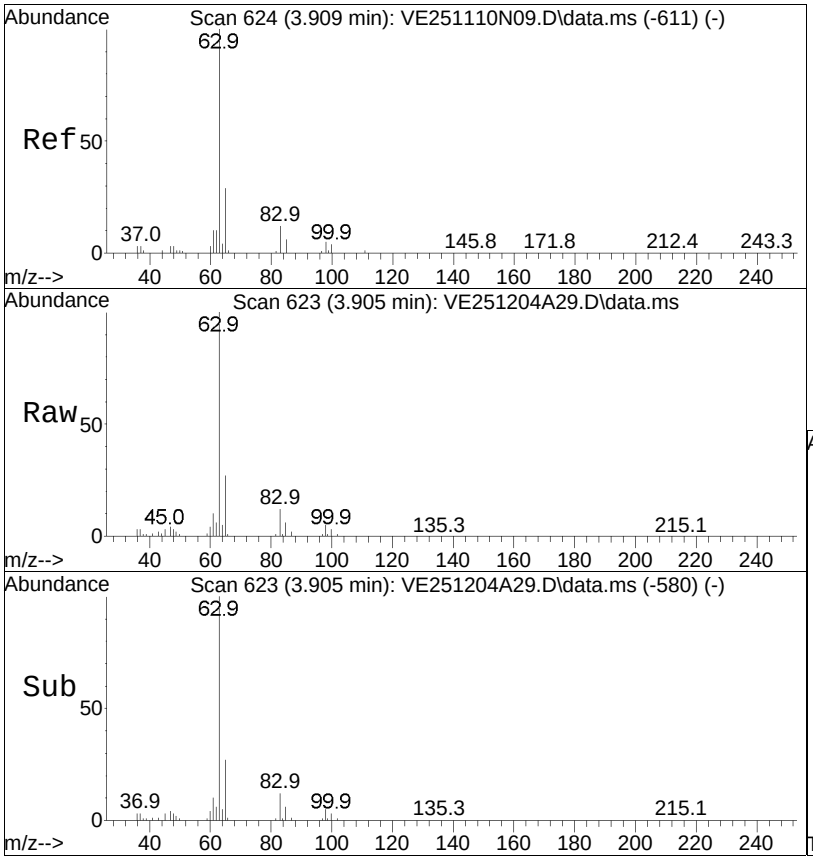


#21
Methyl tert-butyl ether
Concen: 9.89 ug/L
RT: 3.434 min Scan# 519
Delta R.T. -0.009 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 73 Resp: 104189

Ion	Ratio	Lower	Upper
73	100		
57	27.7	21.3	44.1
43	34.6	0.0	0.0#
41	39.2	30.0	62.2

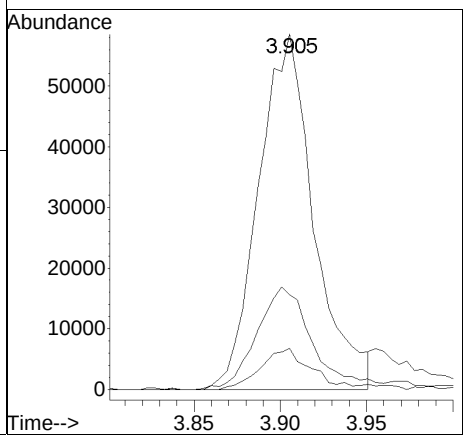


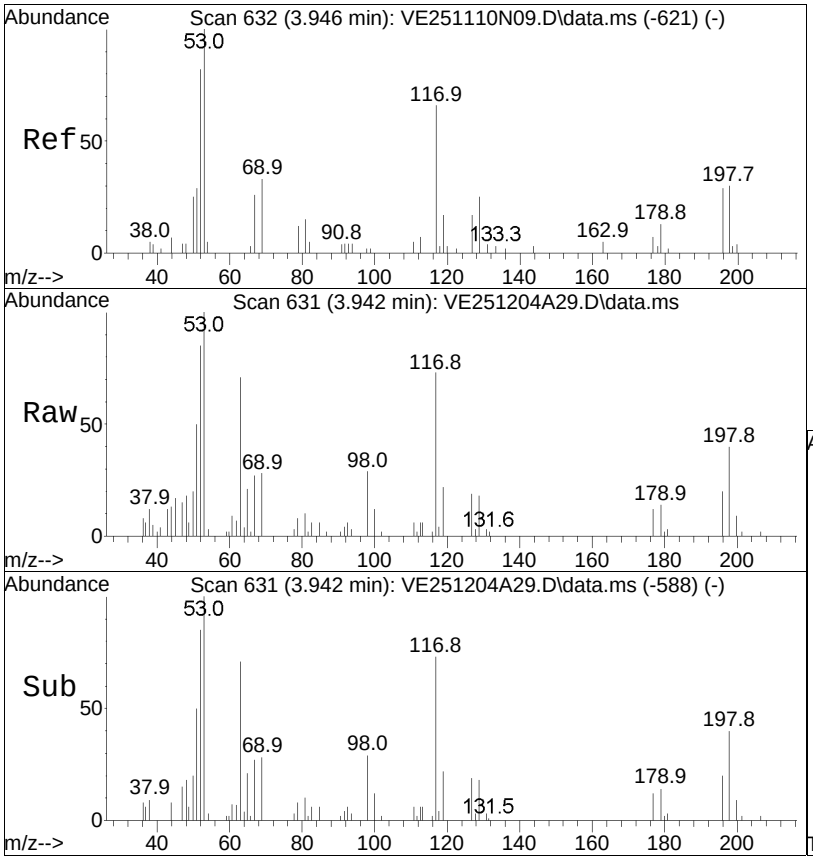


#25
1,1-Dichloroethane
Concen: 10.69 ug/L
RT: 3.905 min Scan# 623
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 63 Resp: 130502

Ion	Ratio	Lower	Upper
63	100		
65	29.0	8.6	48.6
83	10.5	0.0	30.7

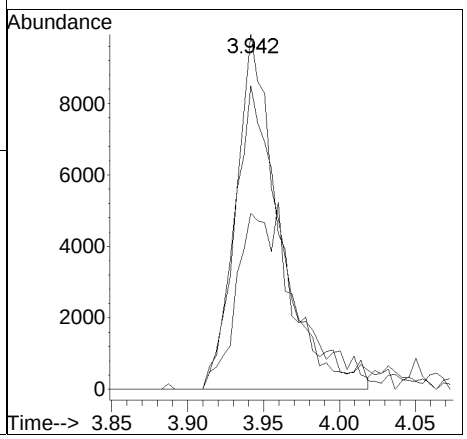


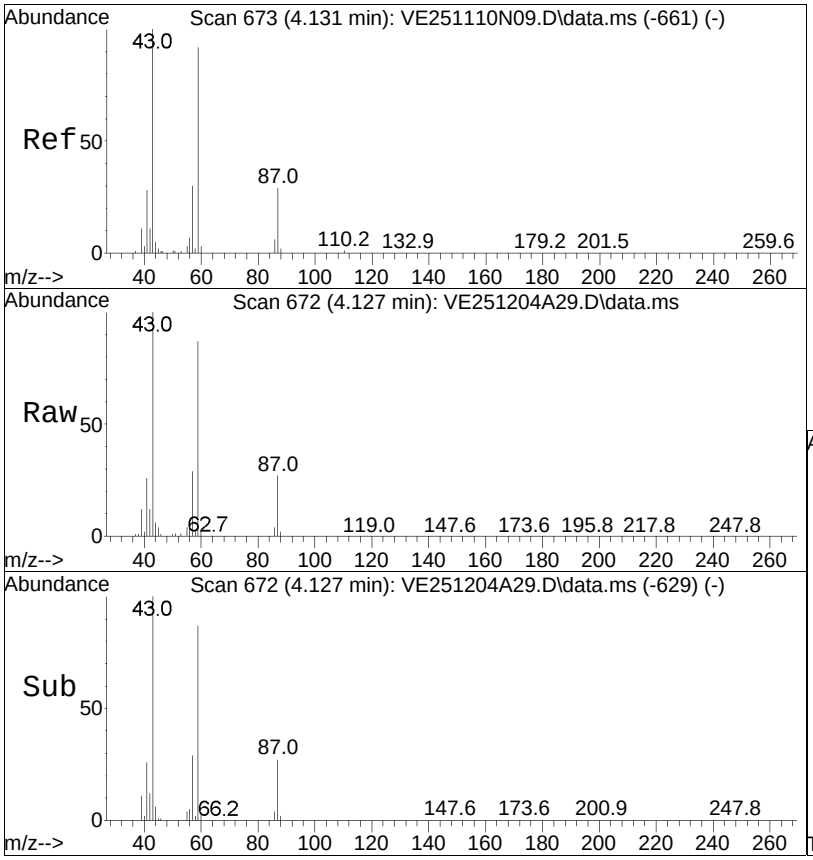


#27
Acrylonitrile
Concen: 10.14 ug/L
RT: 3.942 min Scan# 631
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 53 Resp: 20504

Ion	Ratio	Lower	Upper
53	100		
52	89.9	69.8	104.6
51	62.6	50.4	75.6

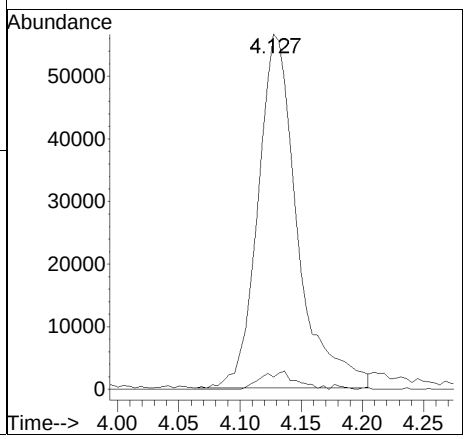


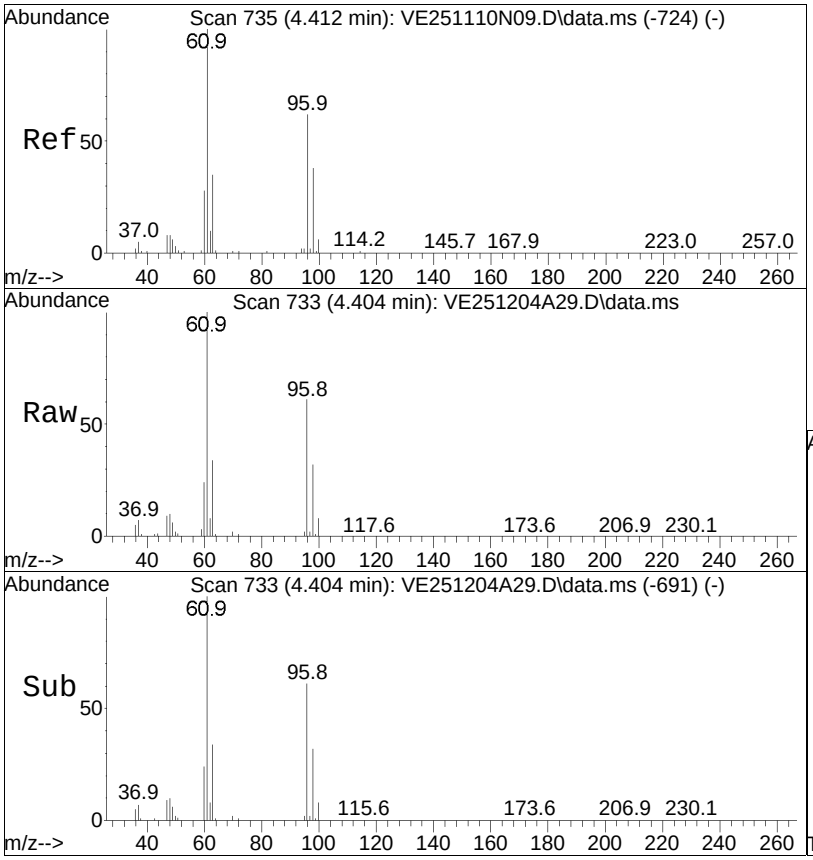


#29
Vinyl acetate
Concen: 9.15 ug/L
RT: 4.127 min Scan# 672
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 43 Resp: 127220

Ion	Ratio	Lower	Upper
43	100		
86	4.5	3.8	5.8

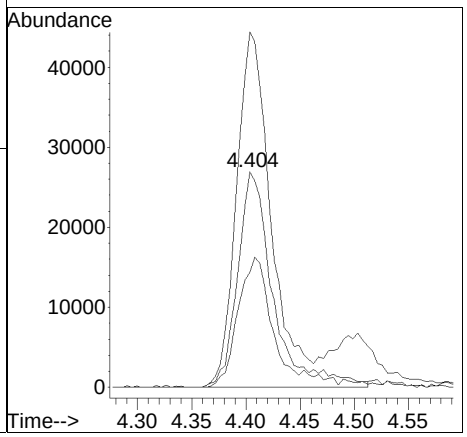


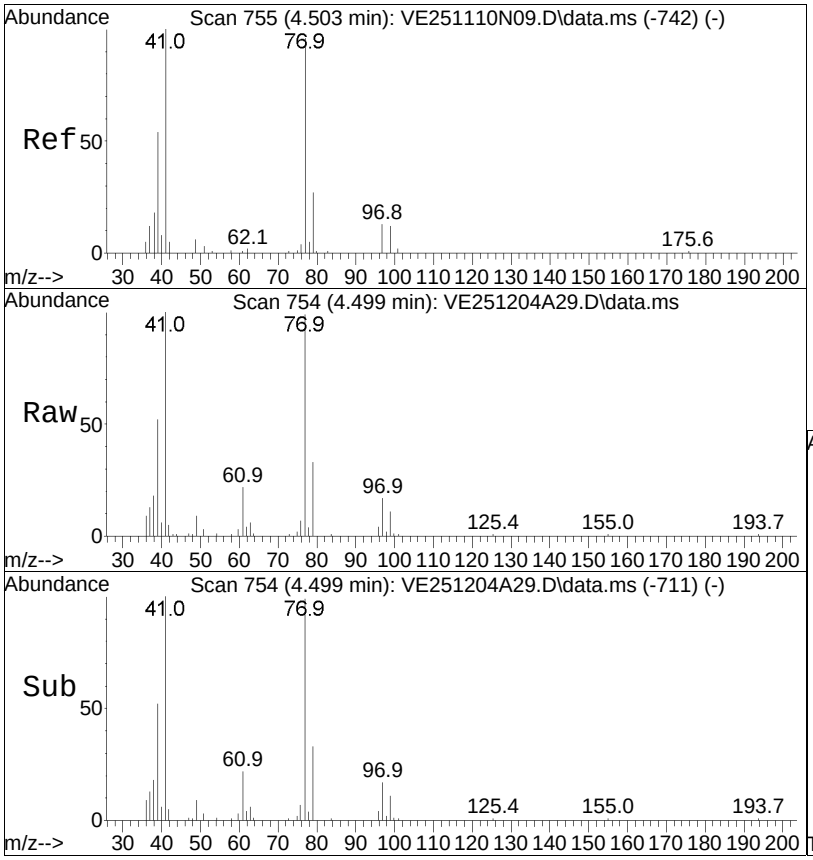


#30
cis-1,2-Dichloroethene
Concen: 11.31 ug/L
RT: 4.404 min Scan# 733
Delta R.T. -0.008 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 96 Resp: 61524

Ion	Ratio	Lower	Upper
96	100		
61	159.4	153.3	229.9
98	61.0	52.8	79.2

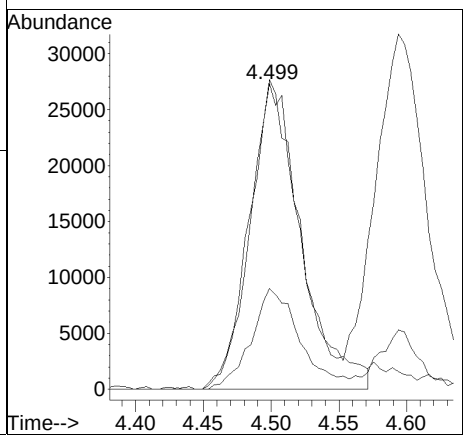


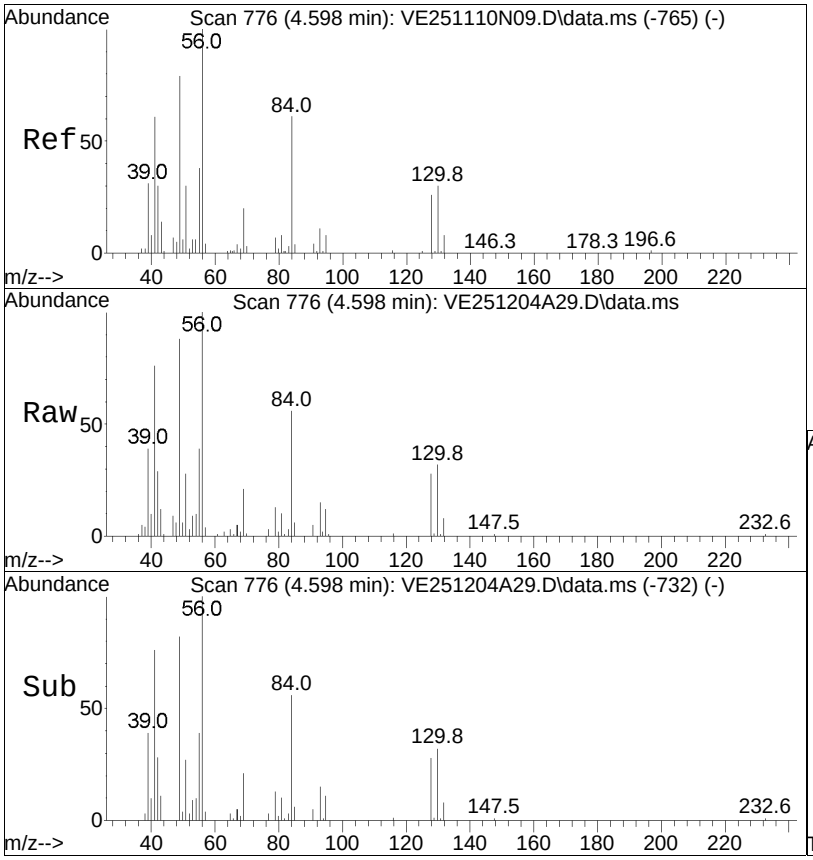


#31
2,2-Dichloropropane
Concen: 9.35 ug/L
RT: 4.499 min Scan# 754
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 77 Resp: 71855

Ion	Ratio	Lower	Upper
77	100		
41	98.0	64.5	134.1
79	31.7	20.8	43.2

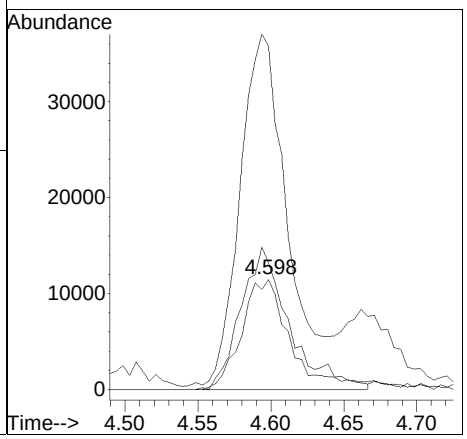


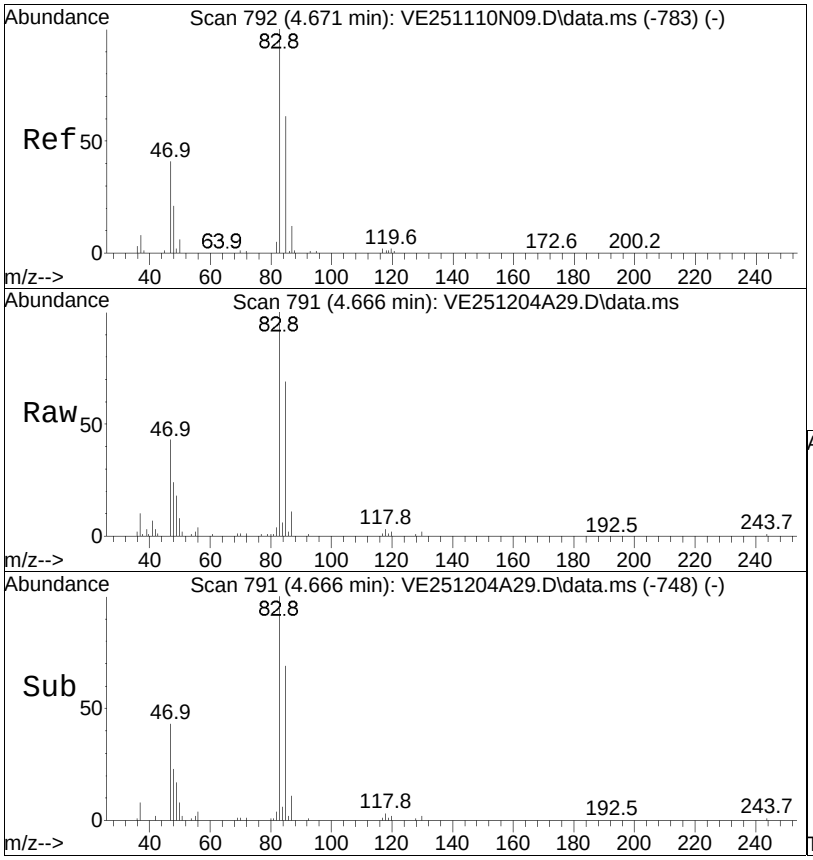


#33
Bromochloromethane
Concen: 11.06 ug/L
RT: 4.598 min Scan# 776
Delta R.T. 0.000 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:128 Resp: 26392

Ion	Ratio	Lower	Upper
128	100		
49	309.9	295.7	443.5
130	133.0	101.9	152.9

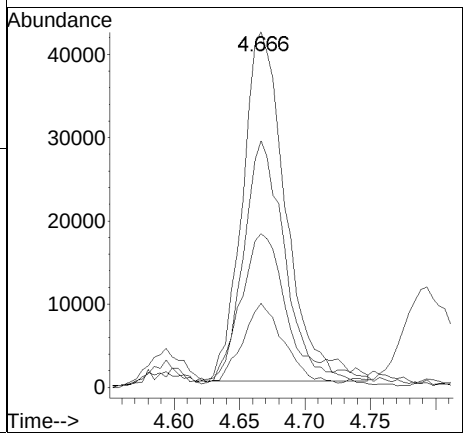


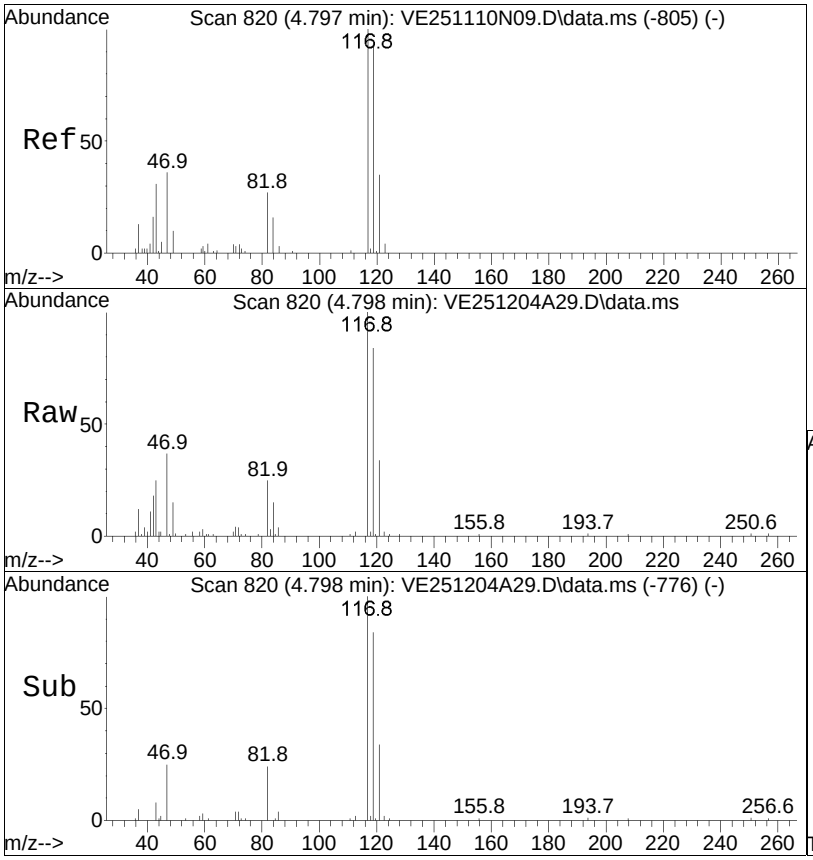


#35
Chloroform
Concen: 10.00 ug/L
RT: 4.666 min Scan# 791
Delta R.T. -0.005 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 83 Resp: 97434

Ion	Ratio	Lower	Upper
83	100		
85	69.7	42.4	88.2
47	43.9	23.7	49.3
48	23.4	14.4	29.8

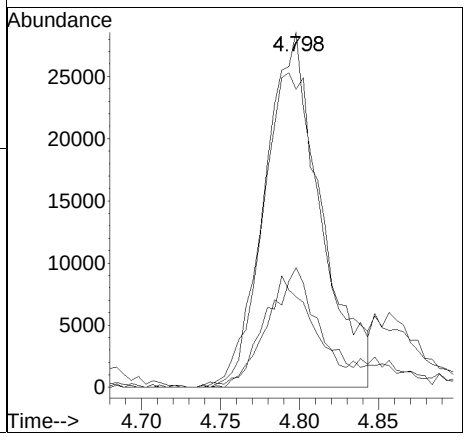


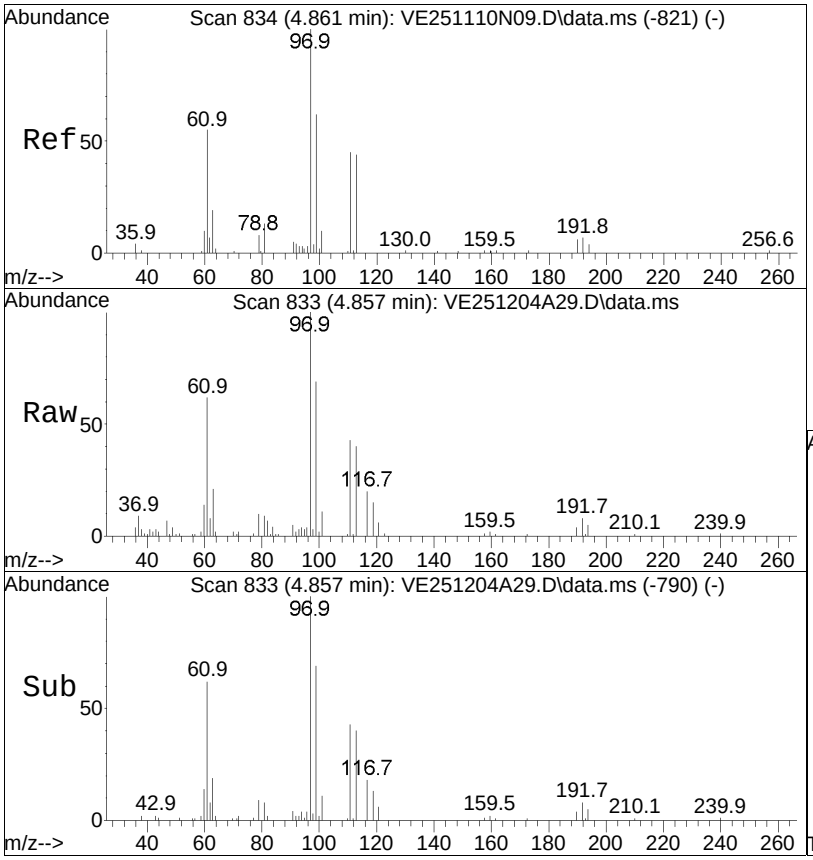


#37
Carbon tetrachloride
Concen: 12.01 ug/L
RT: 4.798 min Scan# 820
Delta R.T. 0.001 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:117 Resp: 69830

Ion	Ratio	Lower	Upper
117	100		
119	98.3	74.8	155.4
121	29.9	23.5	48.7
82	30.4	22.5	46.7

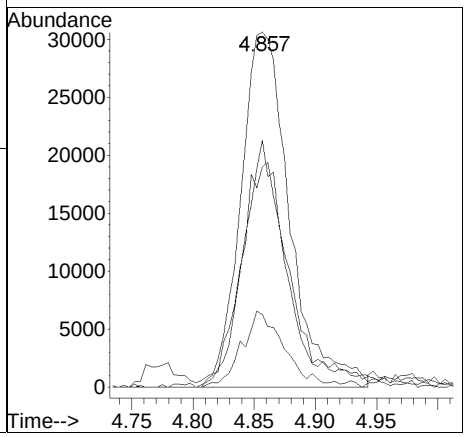


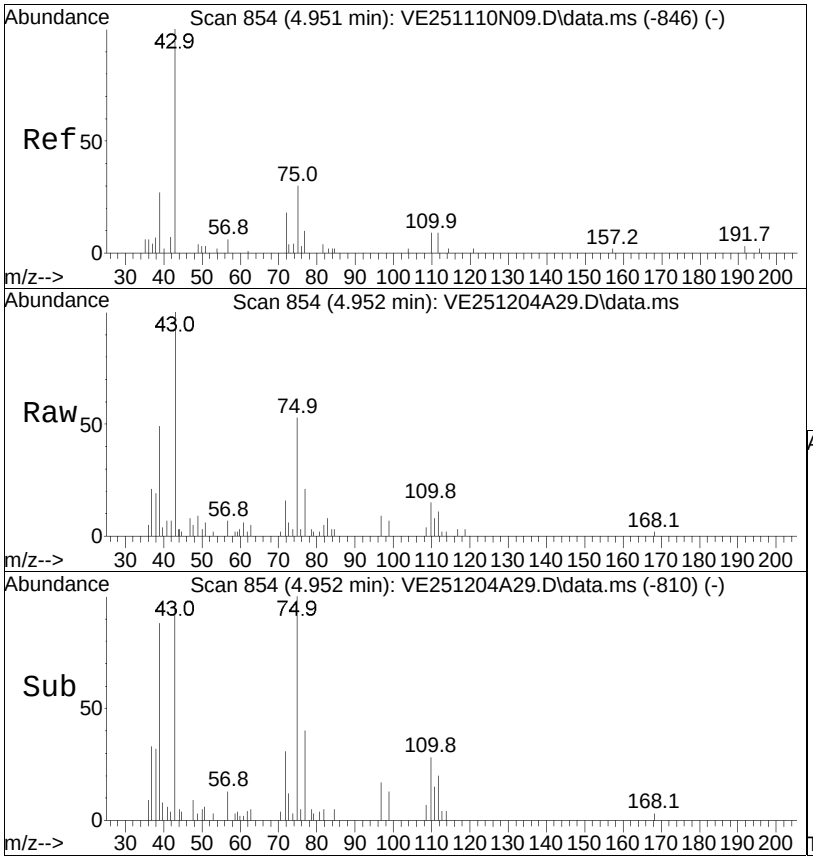


#40
1,1,1-Trichloroethane
Concen: 11.62 ug/L
RT: 4.857 min Scan# 833
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 97 Resp: 85374

Ion	Ratio	Lower	Upper
97	100		
99	64.2	40.7	84.5
61	55.9	40.5	84.1
63	18.6	11.8	24.6

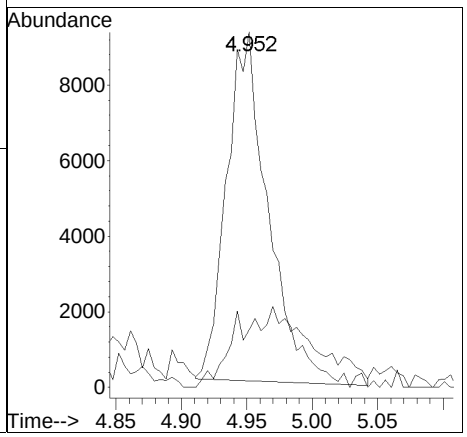


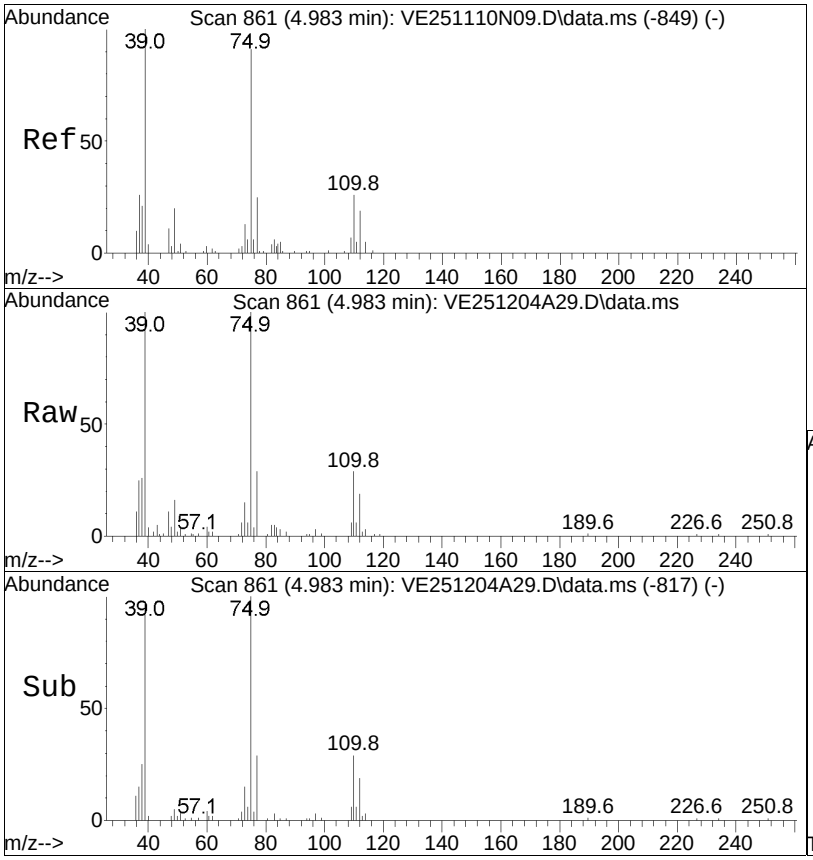


#42
2-Butanone
Concen: 9.36 ug/L
RT: 4.952 min Scan# 854
Delta R.T. 0.001 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 43 Resp: 21916

Ion	Ratio	Lower	Upper
43	100		
72	8.3	22.8	34.2#

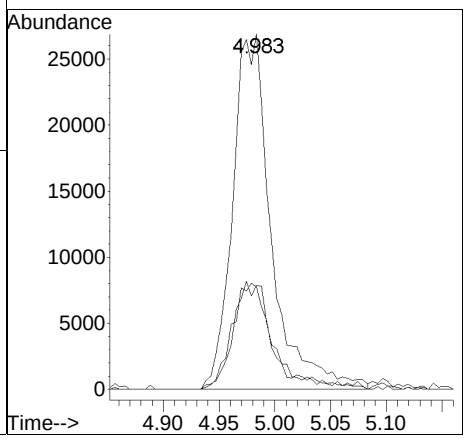


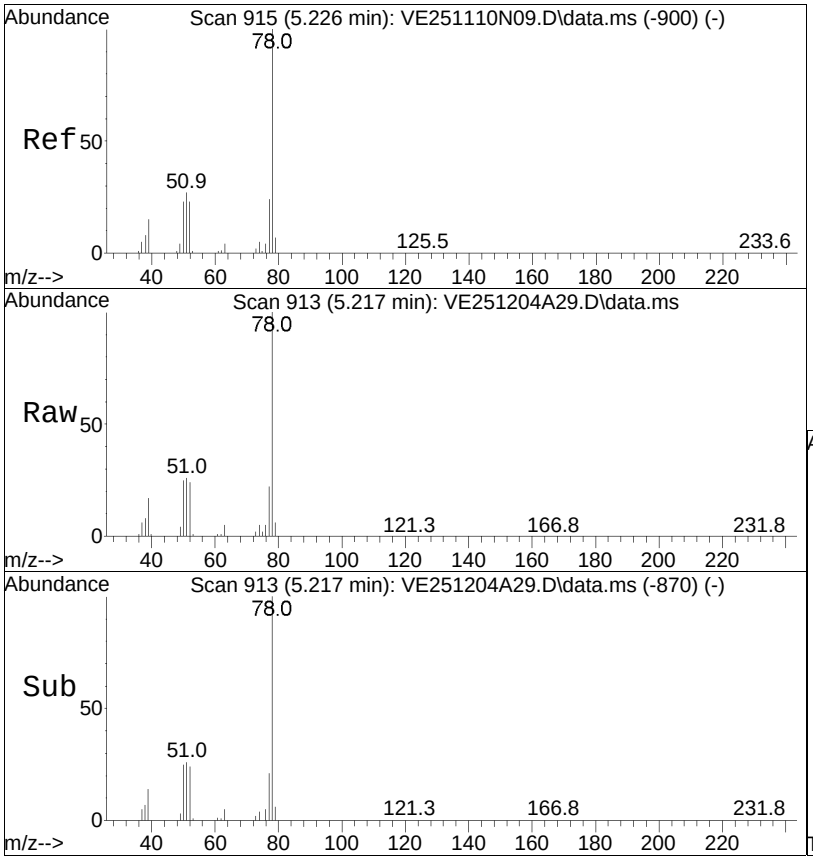


#43
1,1-Dichloropropene
Concen: 10.44 ug/L
RT: 4.983 min Scan# 861
Delta R.T. 0.000 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 75 Resp: 64932

Ion	Ratio	Lower	Upper
75	100		
110	30.3	20.5	42.7
77	28.2	20.0	41.6

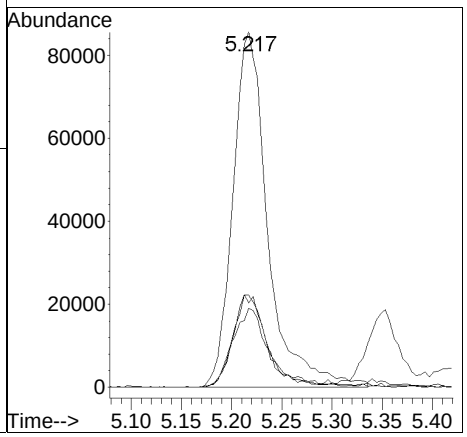


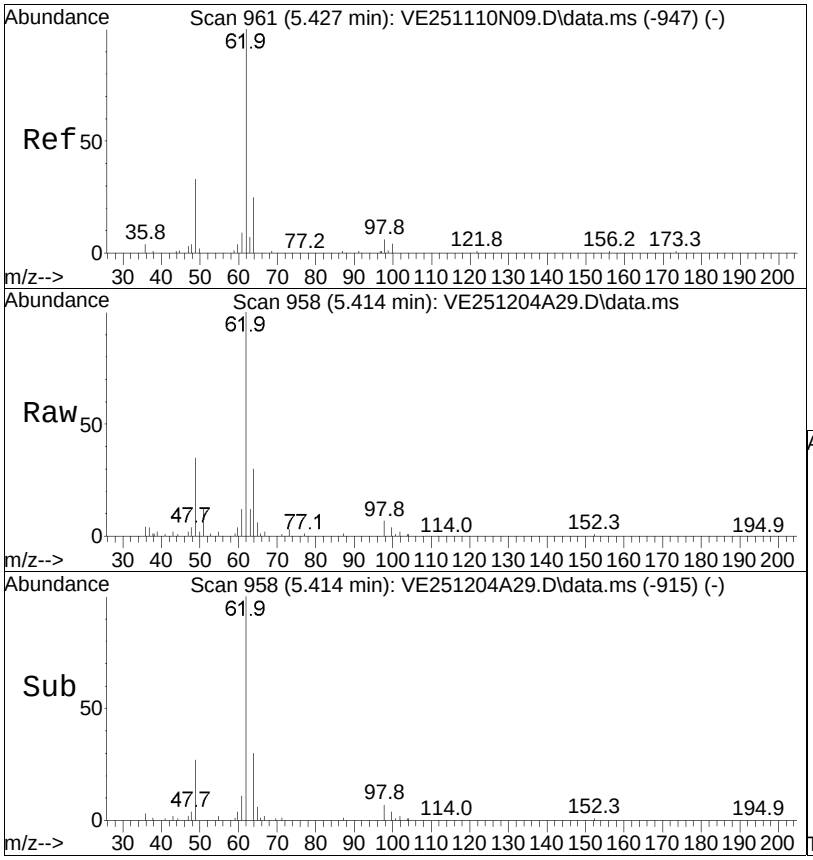


#45
Benzene
Concen: 10.54 ug/L
RT: 5.217 min Scan# 913
Delta R.T. -0.009 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 78 Resp: 207931

Ion	Ratio	Lower	Upper
78	100		
77	22.3	15.7	32.7
51	26.0	17.1	35.5
52	25.2	16.2	33.6

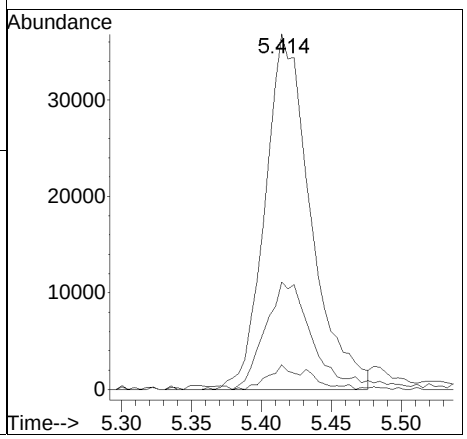


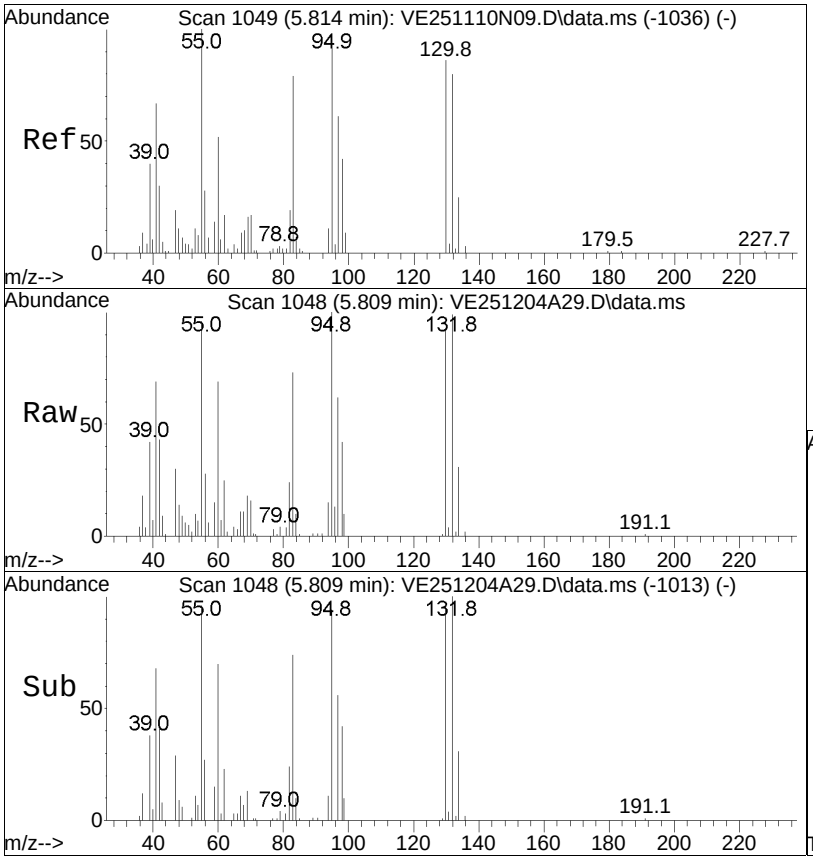


#48
1,2-Dichloroethane
Concen: 10.23 ug/L
RT: 5.414 min Scan# 958
Delta R.T. -0.013 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 62 Resp: 83487

Ion	Ratio	Lower	Upper
62	100		
64	32.2	10.9	50.9
98	4.1	0.0	27.2

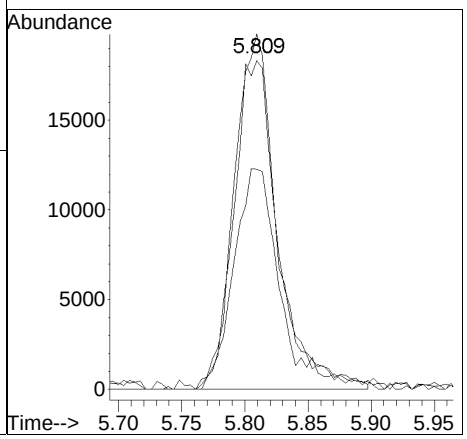


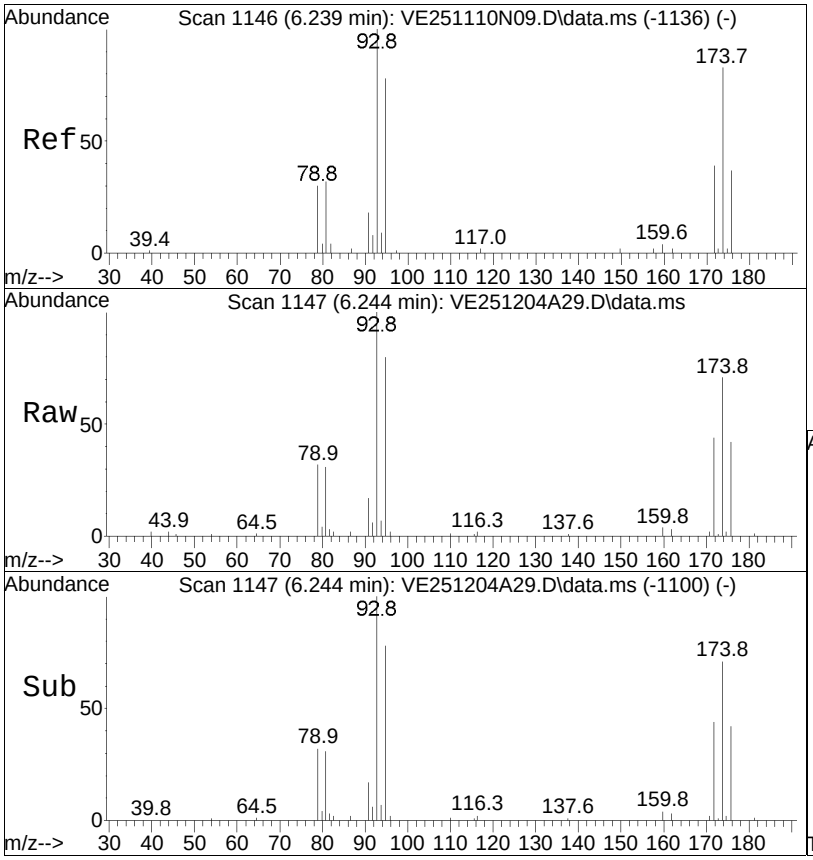


#52
Trichloroethene
Concen: 9.84 ug/L
RT: 5.809 min Scan# 1048
Delta R.T. -0.005 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 95 Resp: 46817

Ion	Ratio	Lower	Upper
95	100		
97	65.9	54.4	81.6
130	95.6	73.7	110.5

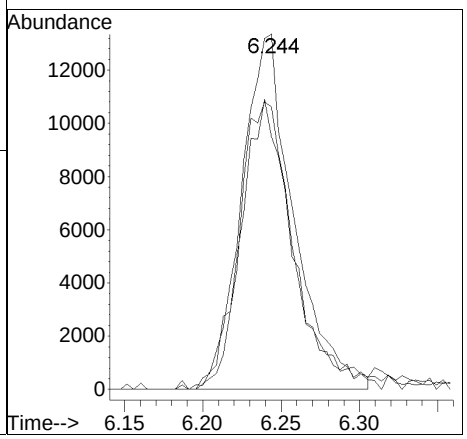


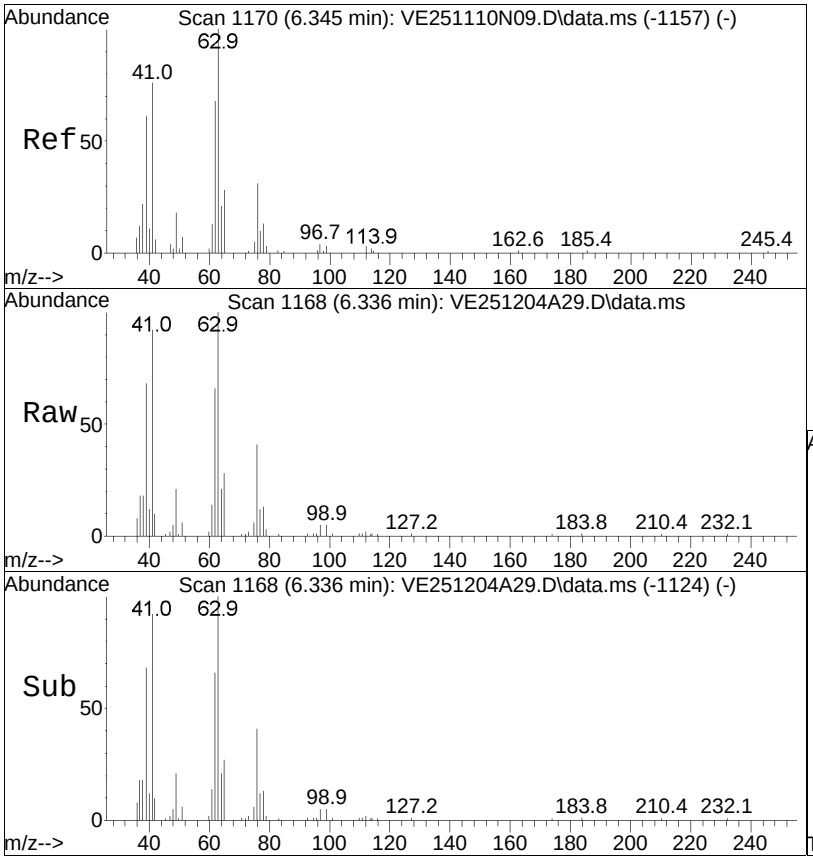


#54
Dibromomethane
Concen: 10.58 ug/L
RT: 6.244 min Scan# 1147
Delta R.T. 0.005 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 93 Resp: 31037

Ion	Ratio	Lower	Upper
93	100		
95	86.9	67.4	101.0
174	79.9	64.7	97.1

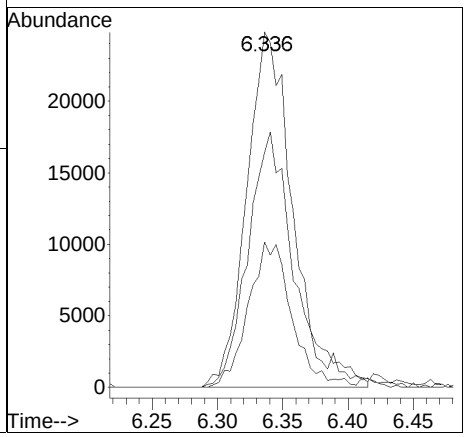


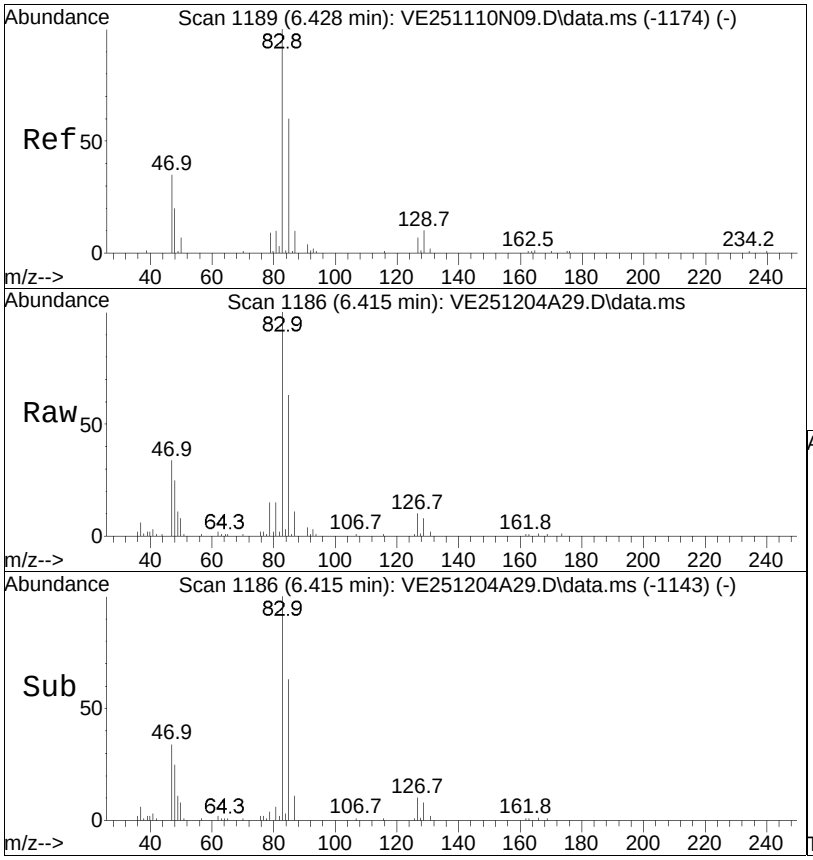


#55
1,2-Dichloropropane
Concen: 9.84 ug/L
RT: 6.336 min Scan# 1168
Delta R.T. -0.009 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 63 Resp: 61529

Ion	Ratio	Lower	Upper
63	100		
62	67.6	57.2	85.8
76	38.3	28.4	42.6

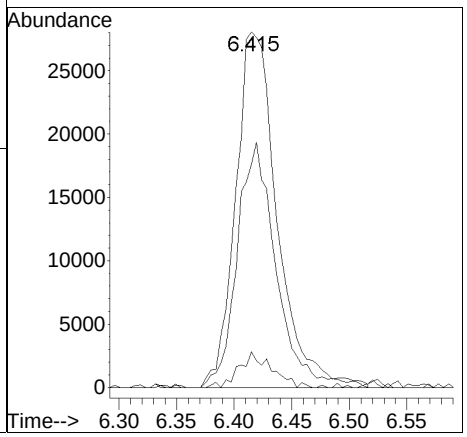


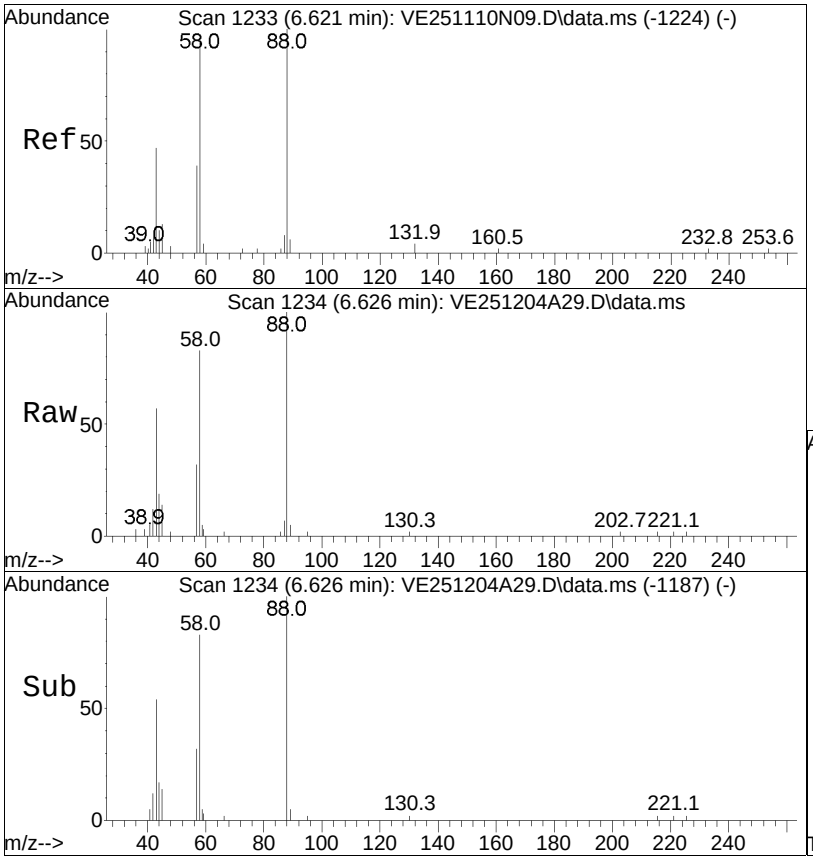


#58
Bromodichloromethane
Concen: 10.43 ug/L
RT: 6.415 min Scan# 1186
Delta R.T. -0.013 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 83 Resp: 70666

Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.9	80.9
127	7.8	6.2	9.4

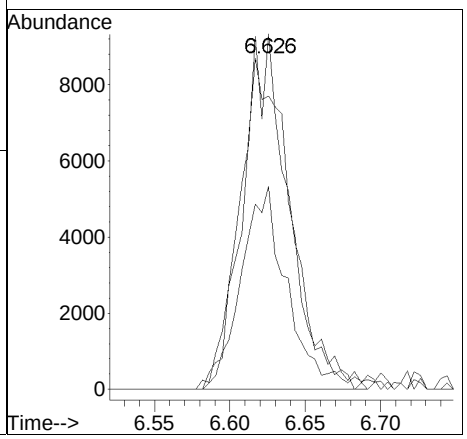


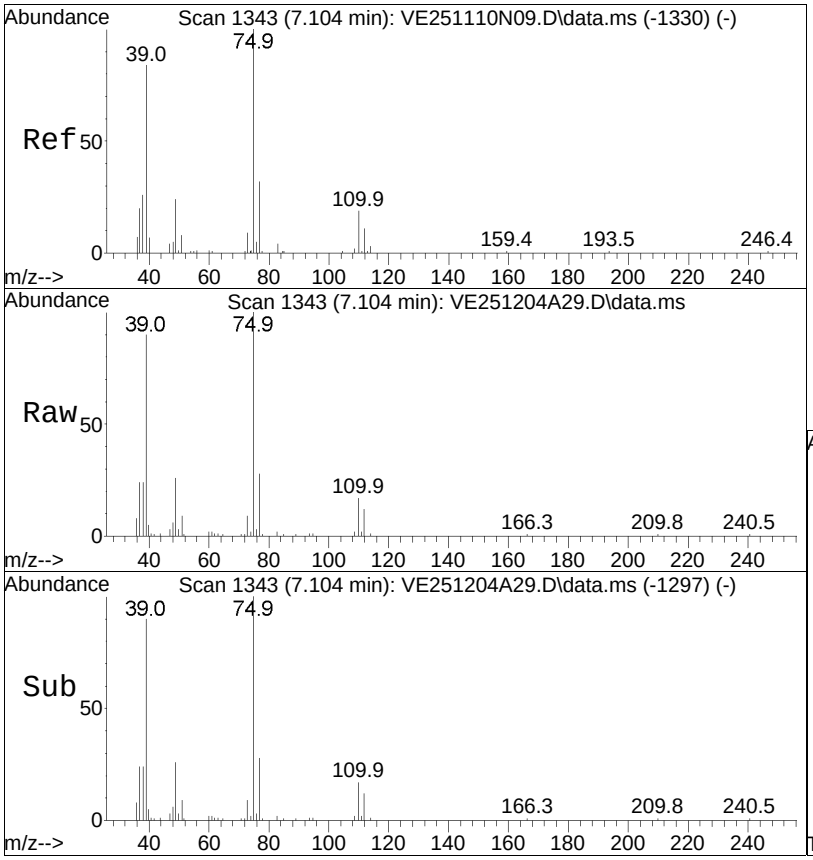


#61
1,4-Dioxane
Concen: 545.93 ug/L
RT: 6.626 min Scan# 1234
Delta R.T. 0.005 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 88 Resp: 20654

Ion	Ratio	Lower	Upper
88	100		
58	96.7	76.1	114.1
43	54.2	41.8	62.8

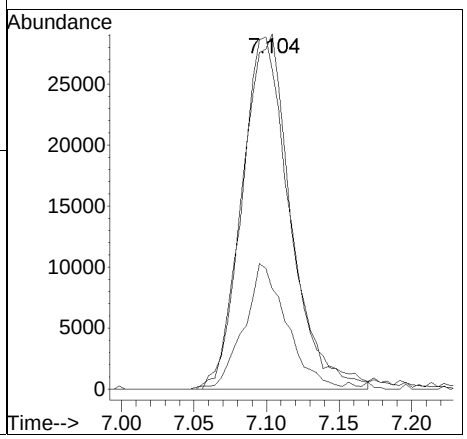


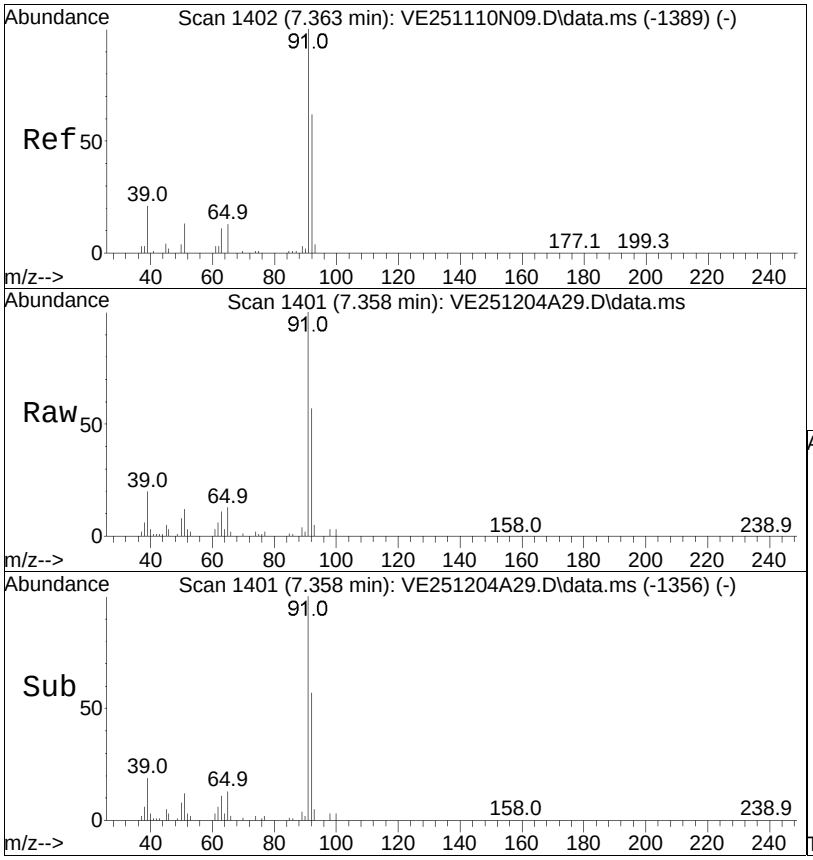


#62
cis-1,3-Dichloropropene
Concen: 9.07 ug/L
RT: 7.104 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 75 Resp: 67527

Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.0	39.0
39	100.1	74.6	112.0

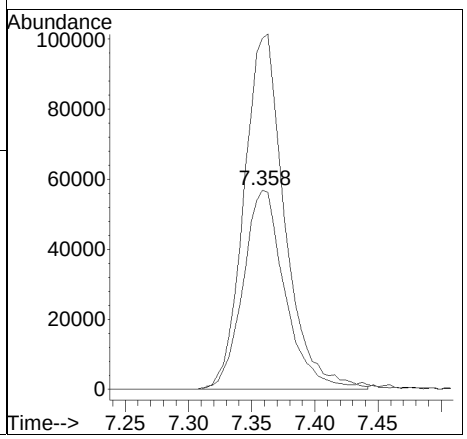


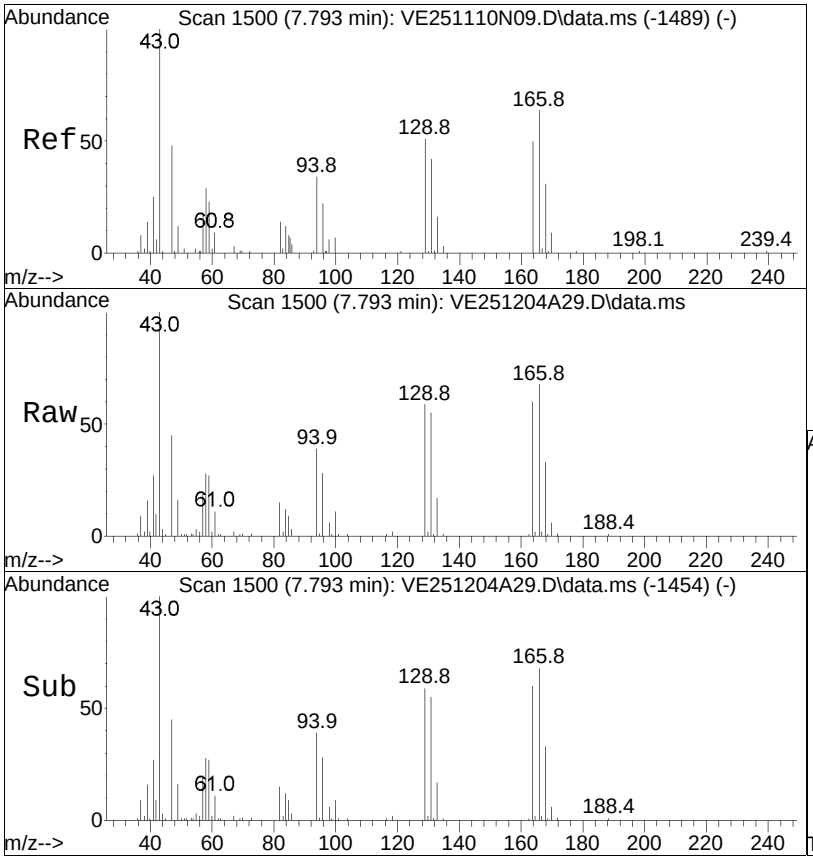


#65
Toluene
Concen: 9.99 ug/L
RT: 7.358 min Scan# 1401
Delta R.T. -0.005 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 92 Resp: 131849

Ion	Ratio	Lower	Upper
92	100		
91	173.6	136.4	204.6

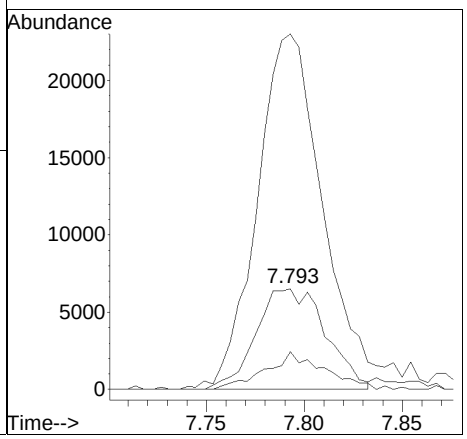


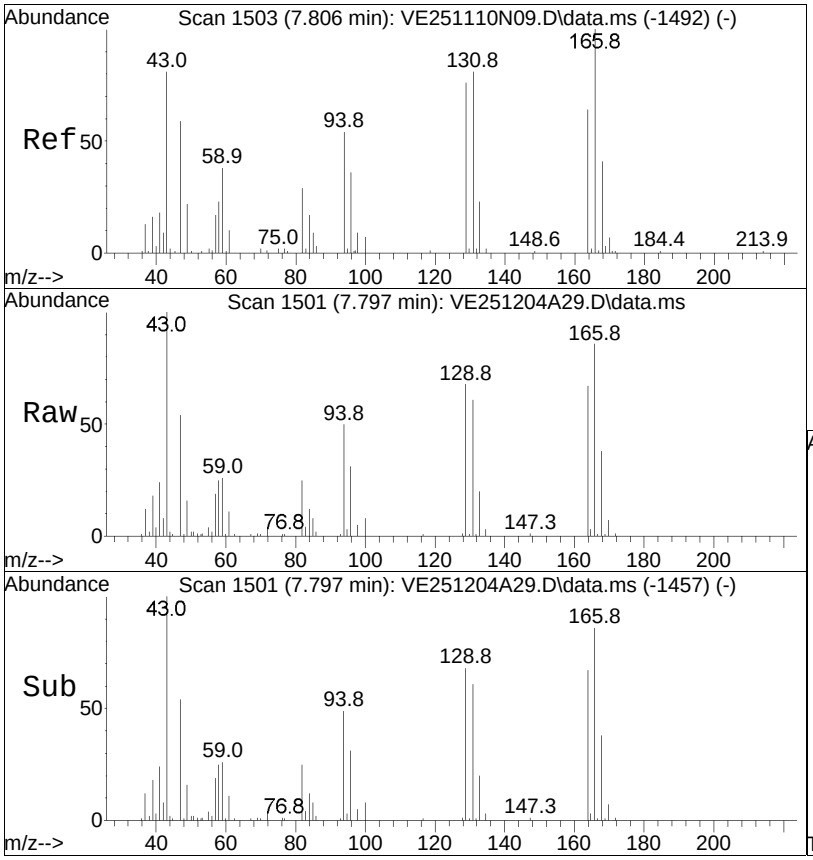


#66
4-Methyl-2-pentanone
Concen: 9.47 ug/L
RT: 7.793 min Scan# 1500
Delta R.T. -0.000 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 58 Resp: 16170

Ion	Ratio	Lower	Upper
58	100		
100	31.9	23.0	34.6
43	341.1	270.1	405.1

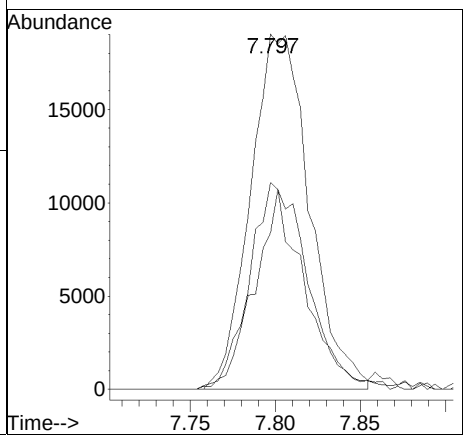


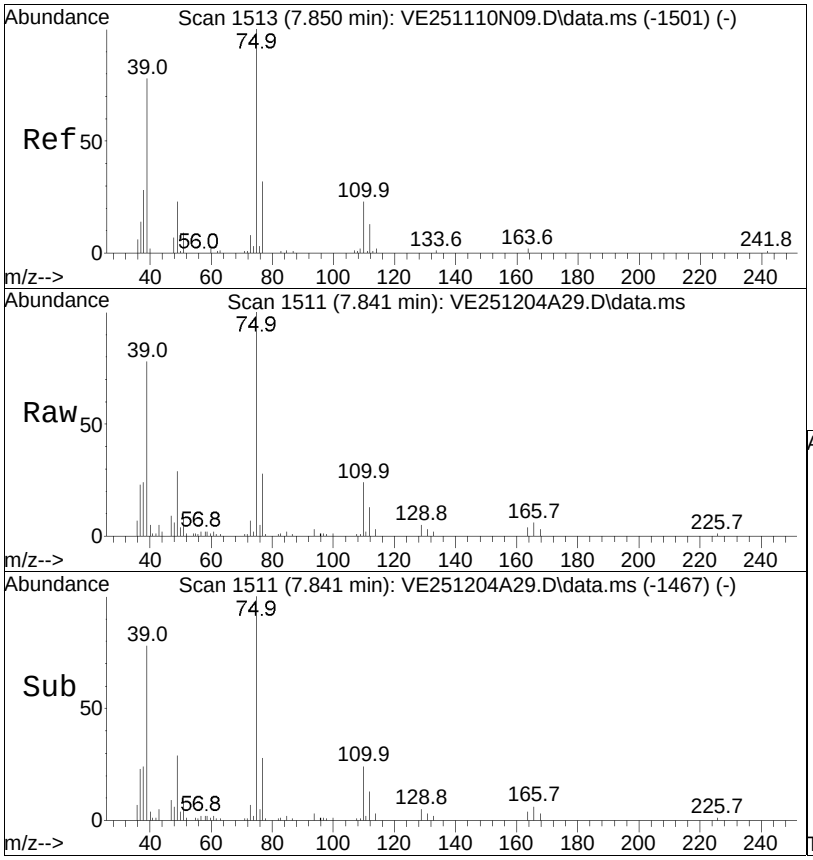


#67
Tetrachloroethene
Concen: 9.77 ug/L
RT: 7.797 min Scan# 1501
Delta R.T. -0.009 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:166 Resp: 45912

Ion	Ratio	Lower	Upper
166	100		
168	48.2	27.8	67.8
94	57.7	38.7	78.7

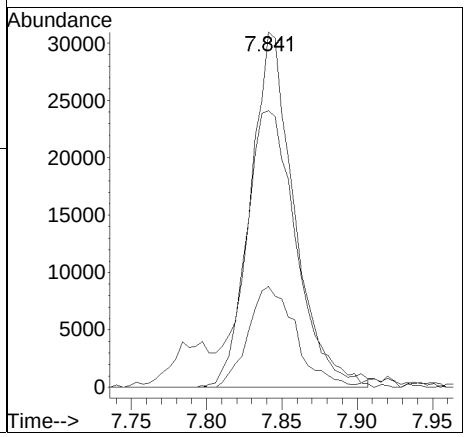


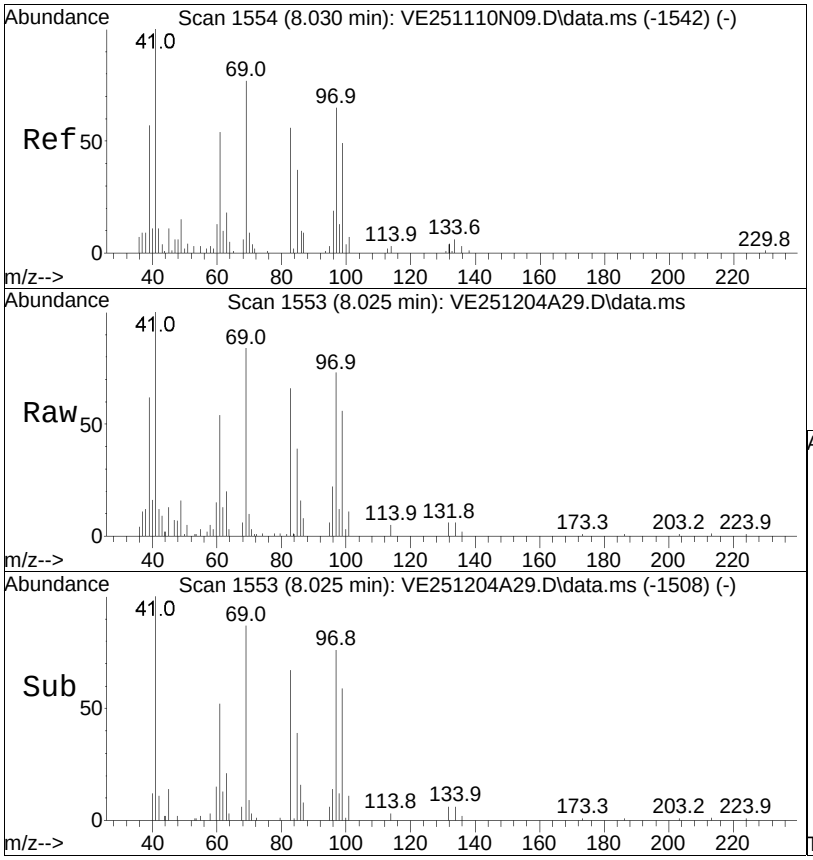


#69
trans-1,3-Dichloropropene
Concen: 7.93 ug/L
RT: 7.841 min Scan# 1511
Delta R.T. -0.009 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 75 Resp: 62512

Ion	Ratio	Lower	Upper
75	100		
77	31.1	10.9	50.9
39	83.9	68.1	108.1

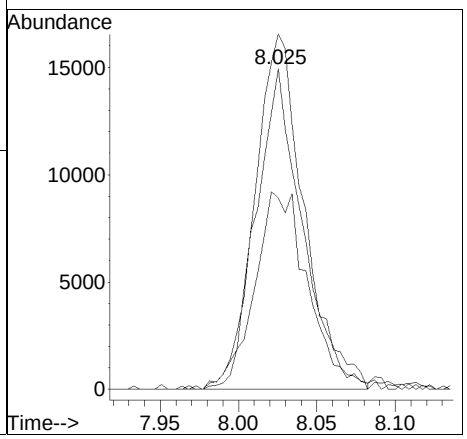


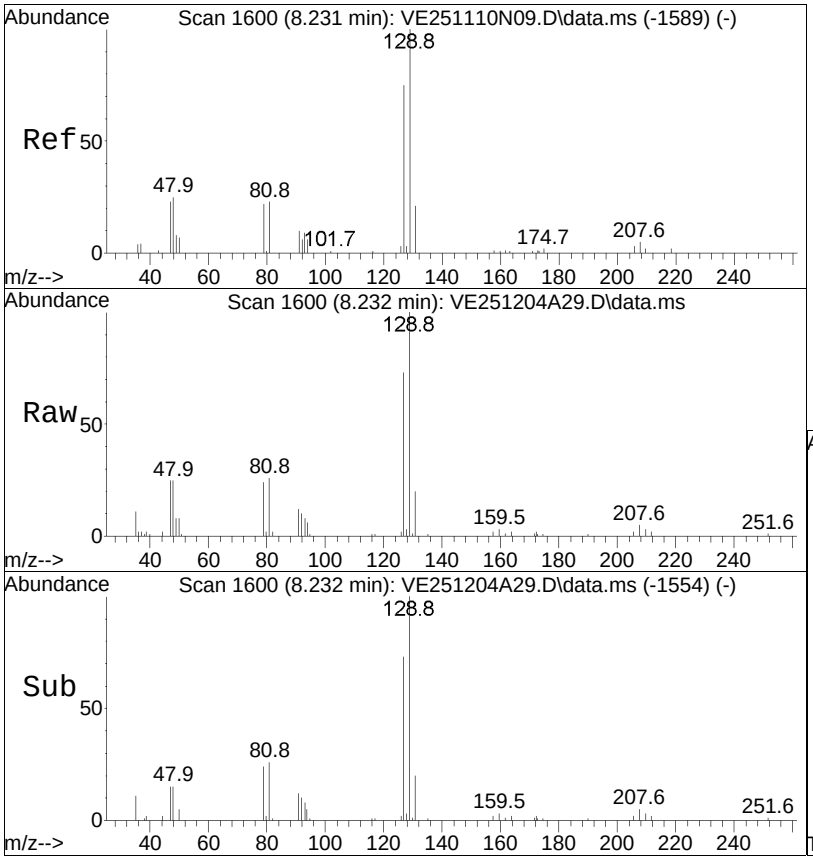


#72
1,1,2-Trichloroethane
Concen: 9.06 ug/L
RT: 8.025 min Scan# 1553
Delta R.T. -0.005 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 83 Resp: 31074

Ion	Ratio	Lower	Upper
83	100		
97	116.8	93.5	133.5
85	70.1	45.2	85.2

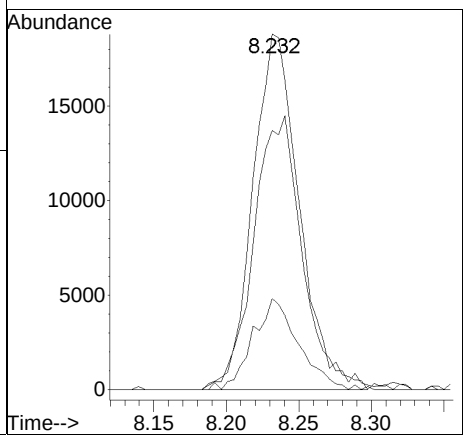


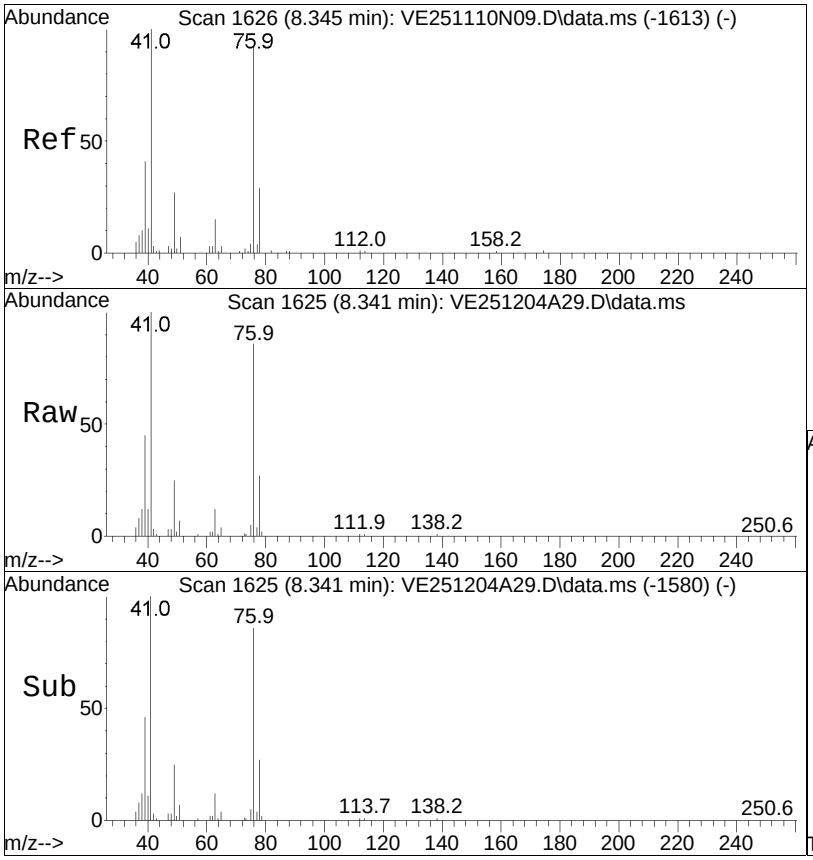


#73
Chlorodibromomethane
Concen: 9.04 ug/L
RT: 8.232 min Scan# 1600
Delta R.T. 0.001 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:129 Resp: 41745

Ion	Ratio	Lower	Upper
129	100		
81	25.0	4.8	44.8
127	80.5	56.3	96.3

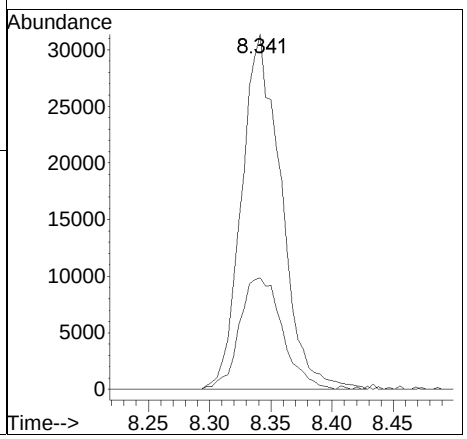


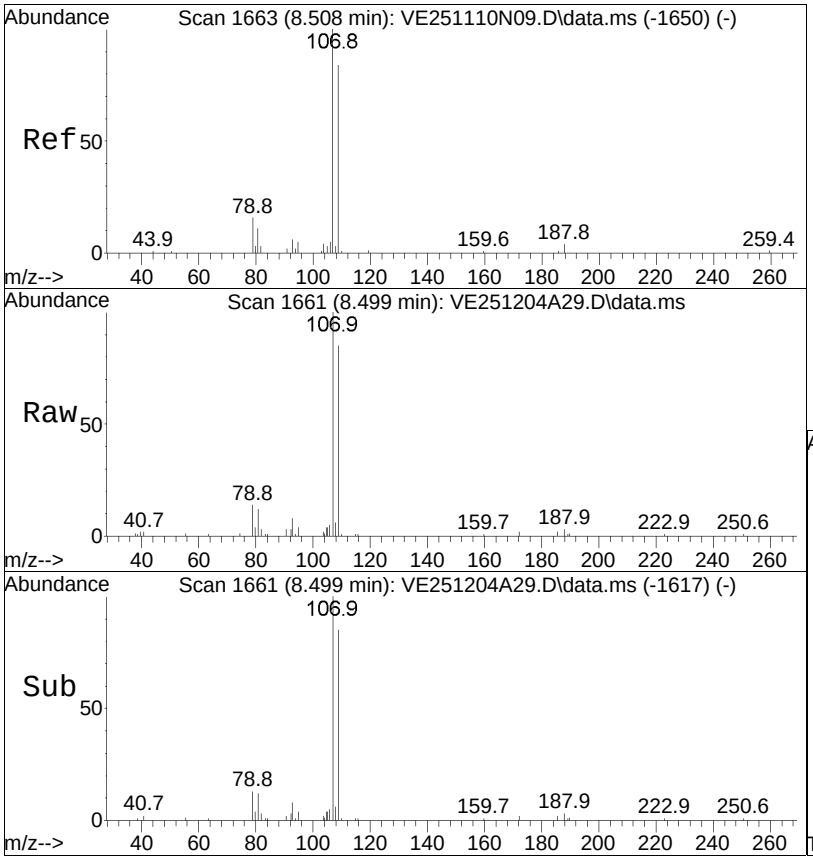


#74
1,3-Dichloropropane
Concen: 9.26 ug/L
RT: 8.341 min Scan# 1625
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 76 Resp: 70559

Ion	Ratio	Lower	Upper
76	100		
78	34.0	26.2	39.4

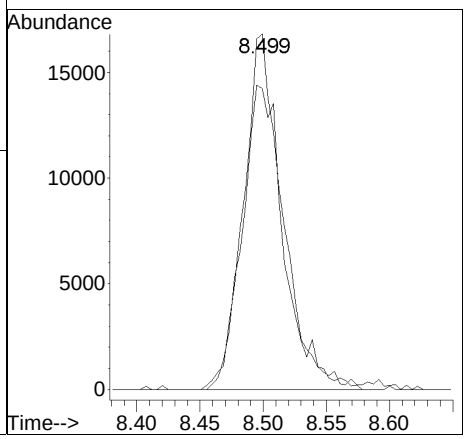


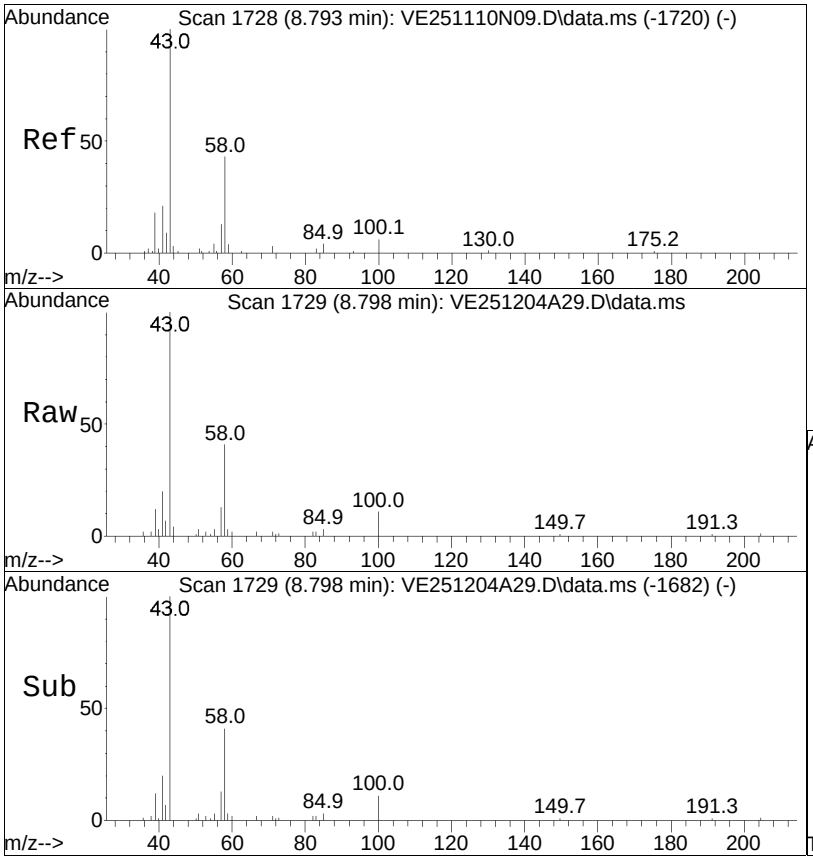


#75
1,2-Dibromoethane
Concen: 8.90 ug/L
RT: 8.499 min Scan# 1661
Delta R.T. -0.009 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:107 Resp: 36204

Ion	Ratio	Lower	Upper
107	100		
109	91.5	73.0	109.6

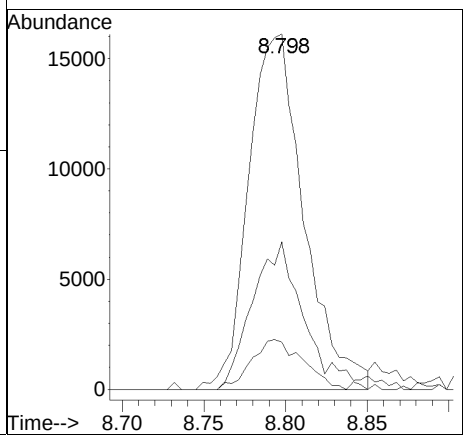


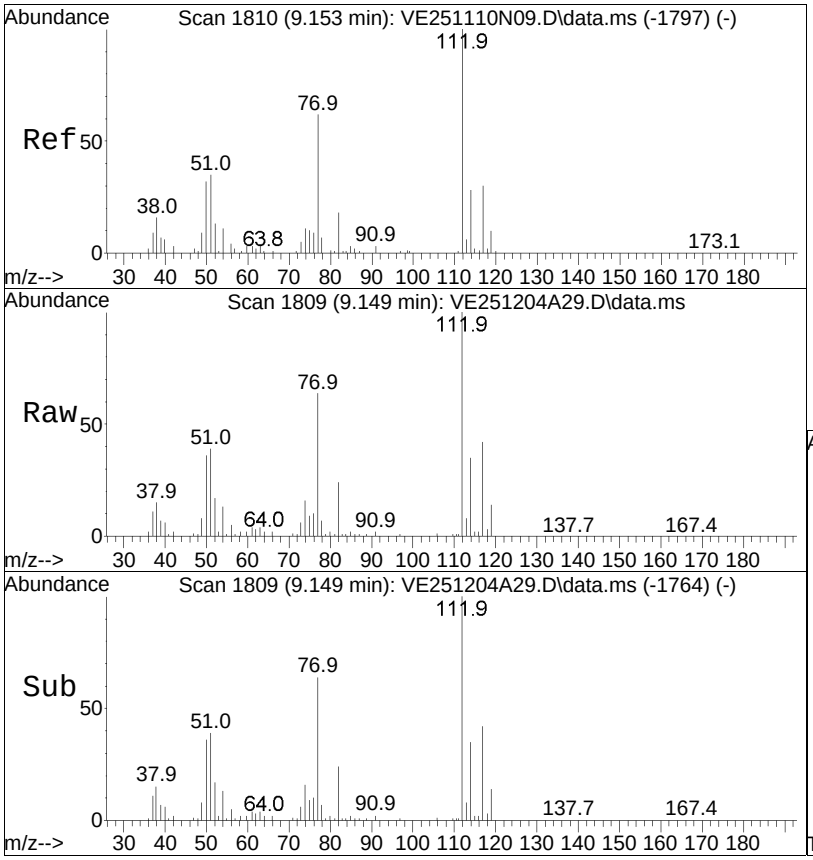


#77
2-Hexanone
Concen: 9.31 ug/L
RT: 8.798 min Scan# 1729
Delta R.T. 0.005 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 43 Resp: 38064

Ion	Ratio	Lower	Upper
43	100		
58	38.4	34.3	51.5
57	13.1	12.5	18.7

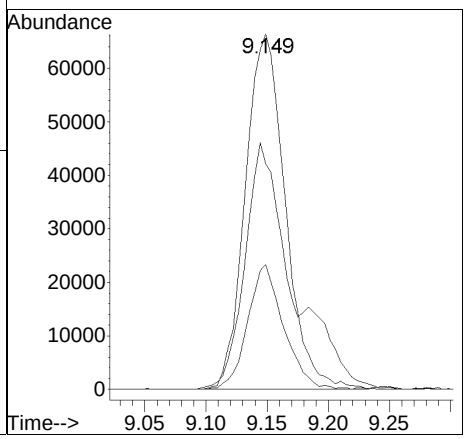


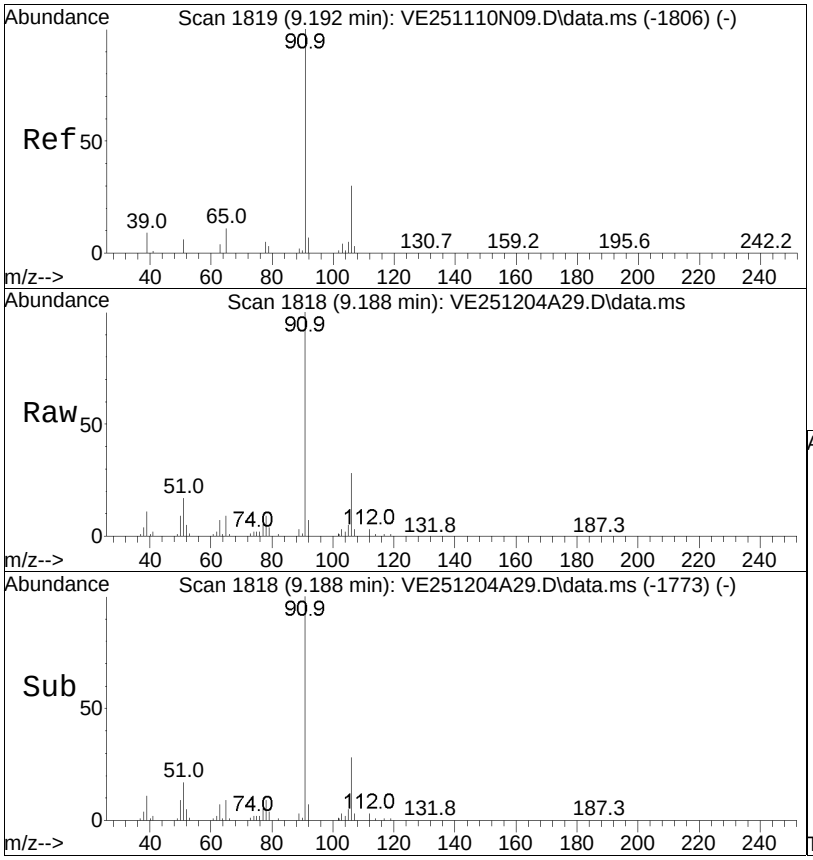


#78
Chlorobenzene
Concen: 10.22 ug/L
RT: 9.149 min Scan# 1809
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:112 Resp: 150899

Ion	Ratio	Lower	Upper
112	100		
77	67.3	67.3	100.9
114	31.6	25.6	38.4

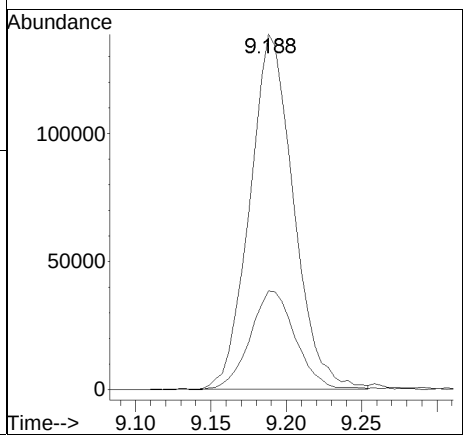


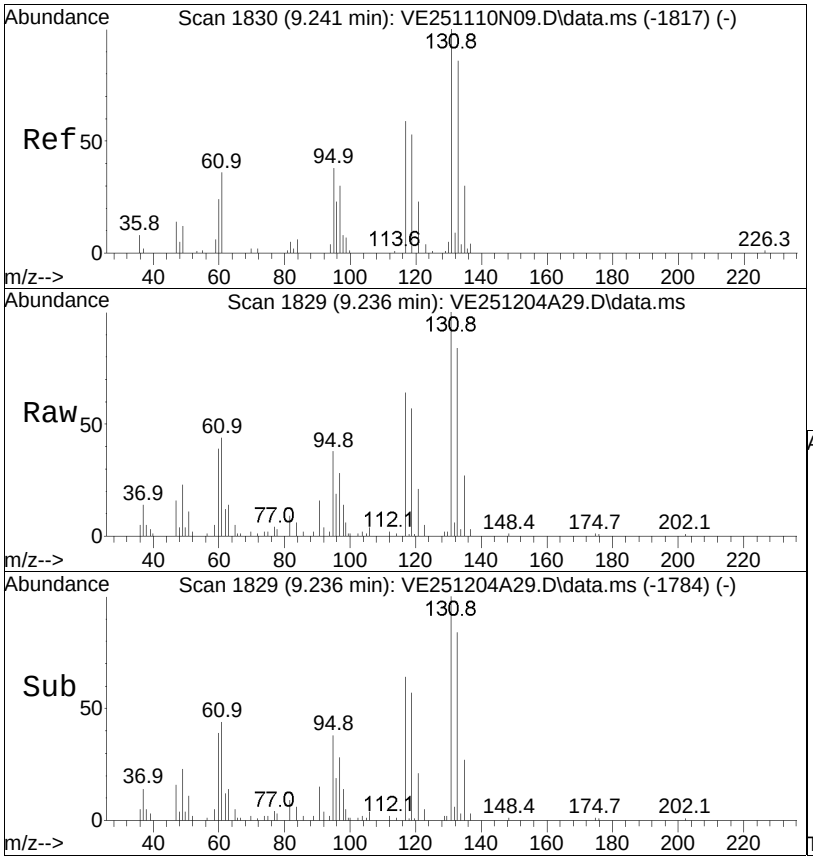


#79
Ethylbenzene
Concen: 10.17 ug/L
RT: 9.188 min Scan# 1818
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 91 Resp: 280305

Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.4	35.0

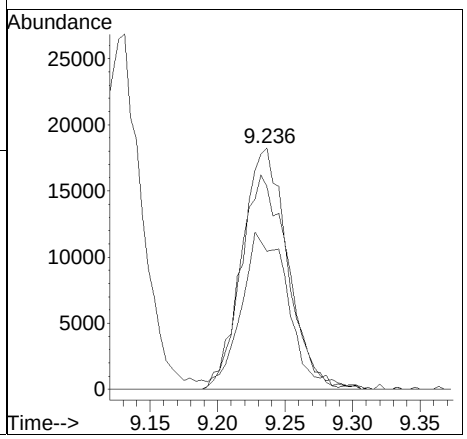


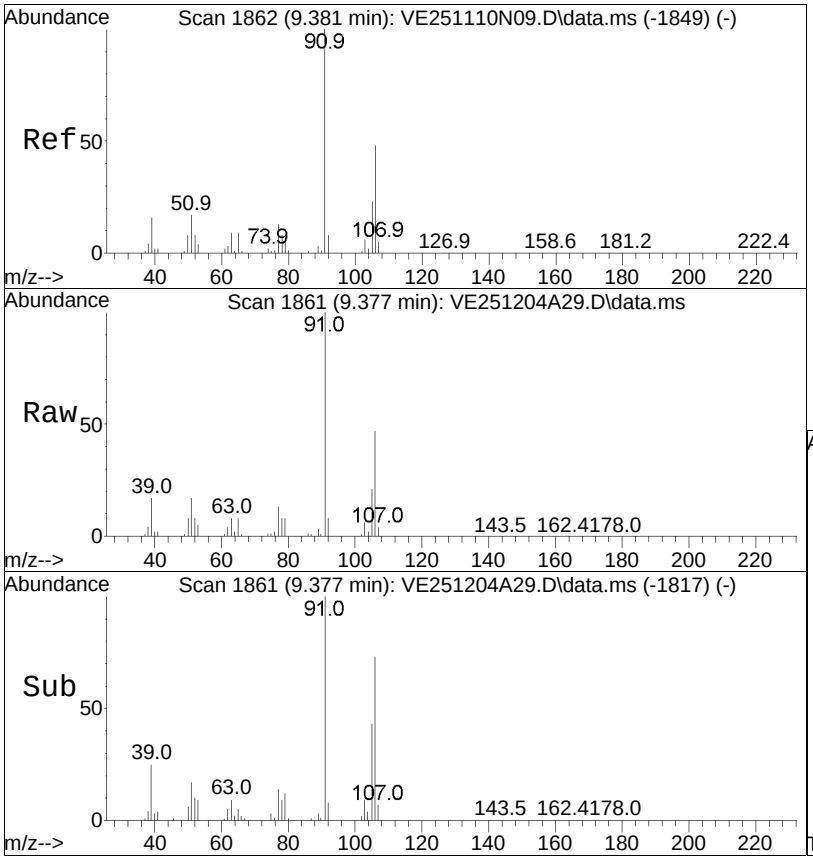


#80
1,1,1,2-Tetrachloroethane
Concen: 9.59 ug/L
RT: 9.236 min Scan# 1829
Delta R.T. -0.005 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:131 Resp: 42901

Ion	Ratio	Lower	Upper
131	100		
133	93.1	72.9	112.9
119	64.3	43.8	83.8

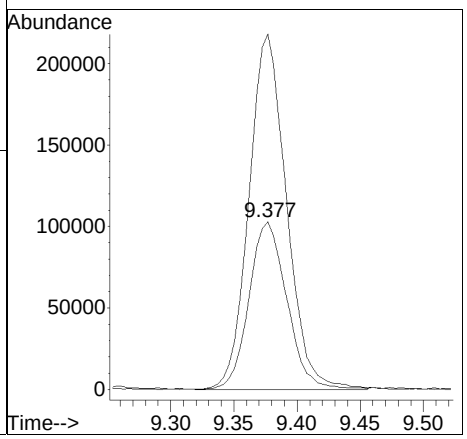


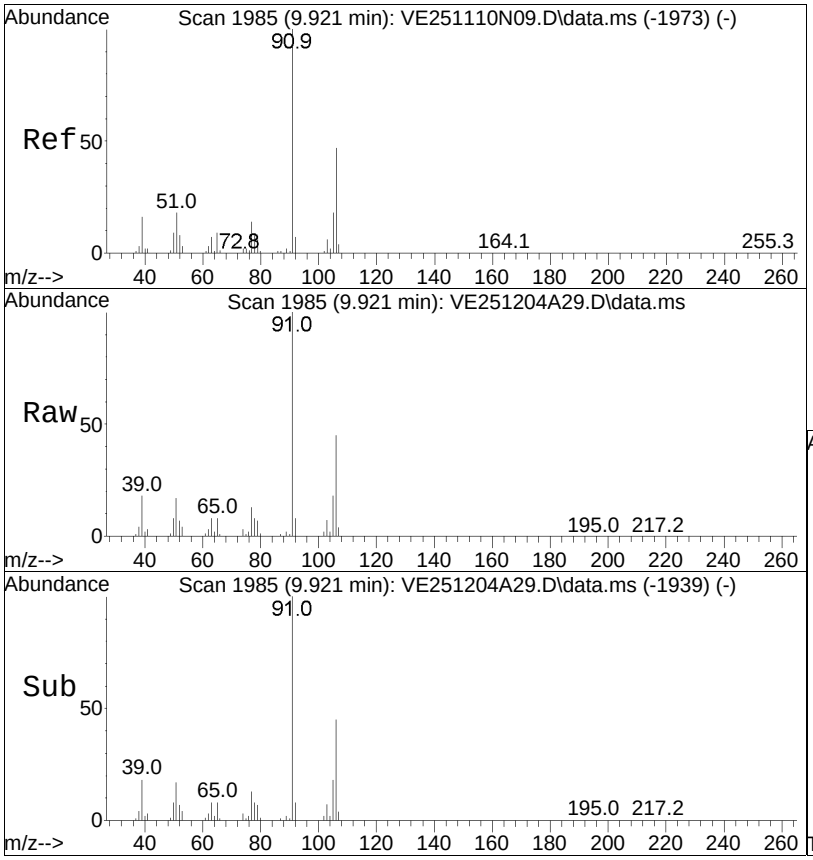


#81
p/m Xylene
Concen: 19.89 ug/L
RT: 9.377 min Scan# 1861
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:106 Resp: 214119

Ion	Ratio	Lower	Upper
106	100		
91	210.6	165.2	247.8

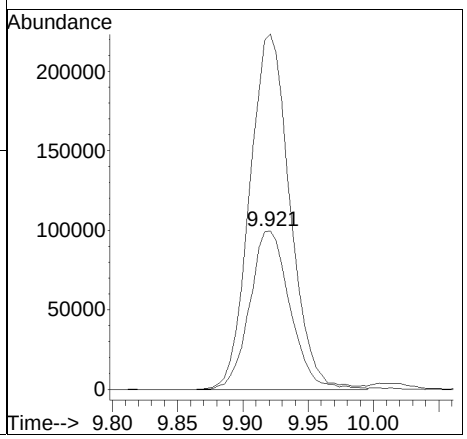


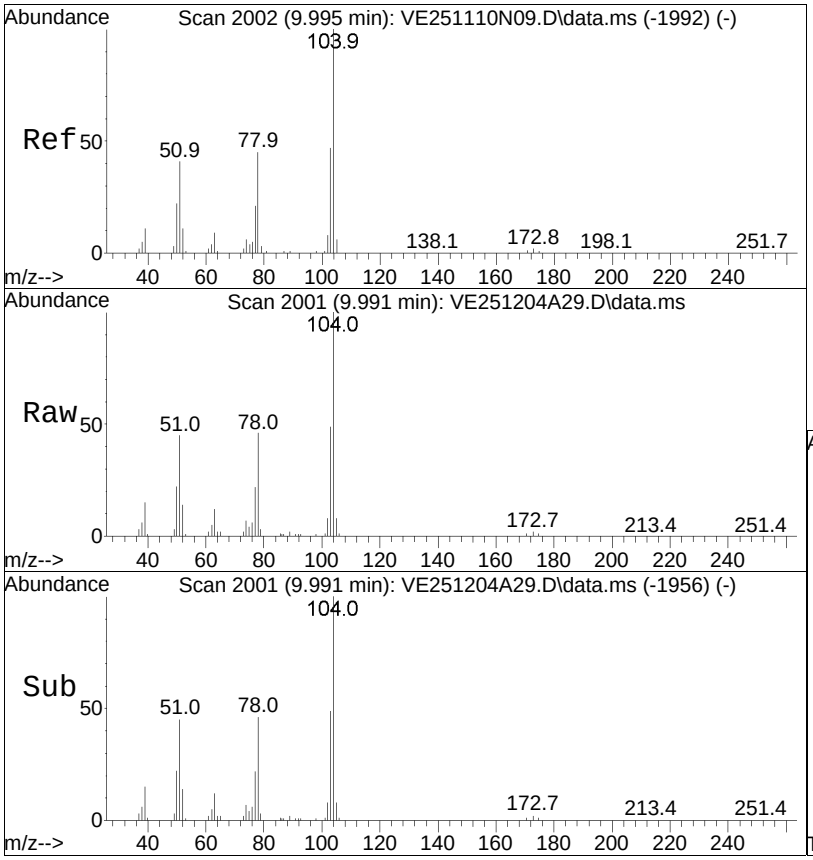


#82
o Xylene
Concen: 20.08 ug/L
RT: 9.921 min Scan# 1985
Delta R.T. -0.000 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:106 Resp: 214281

Ion	Ratio	Lower	Upper
106	100		
91	223.3	181.8	272.8

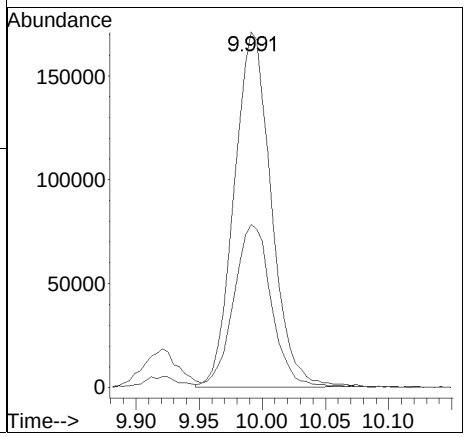


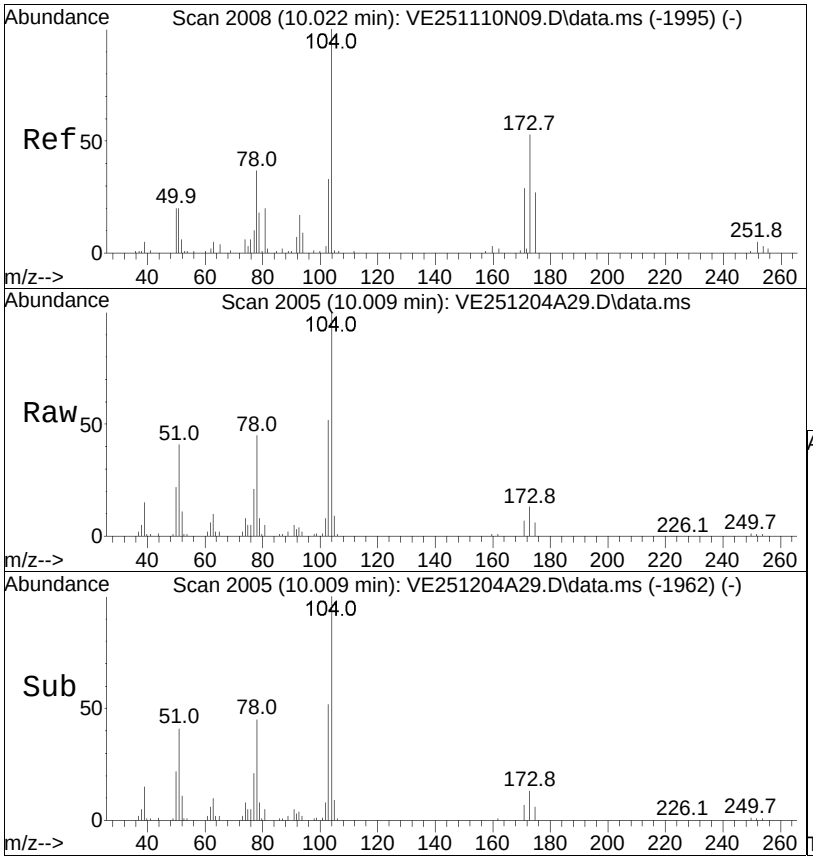


#83
Styrene
Concen: 18.75 ug/L
RT: 9.991 min Scan# 2001
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:104 Resp: 349406

Ion	Ratio	Lower	Upper
104	100		
78	46.9	37.1	55.7

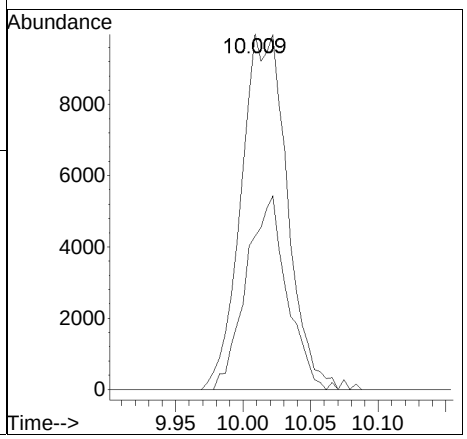


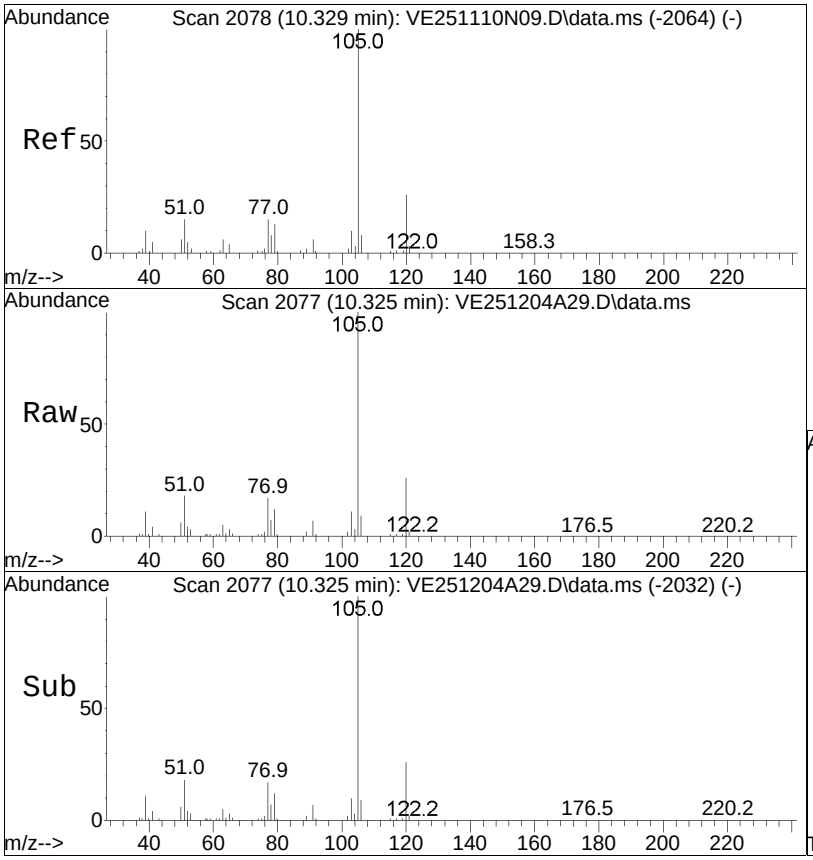


#85
Bromoform
Concen: 8.24 ug/L
RT: 10.009 min Scan# 2005
Delta R.T. -0.013 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:173 Resp: 23672

Ion	Ratio	Lower	Upper
173	100		
175	48.2	29.9	69.9

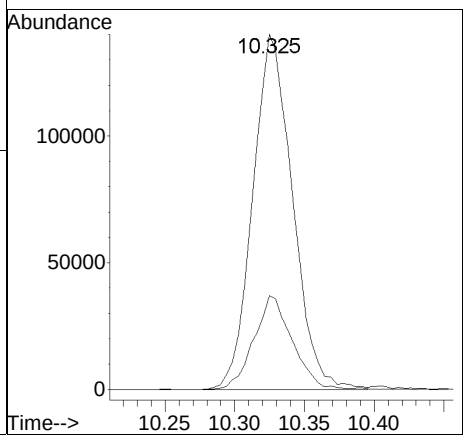


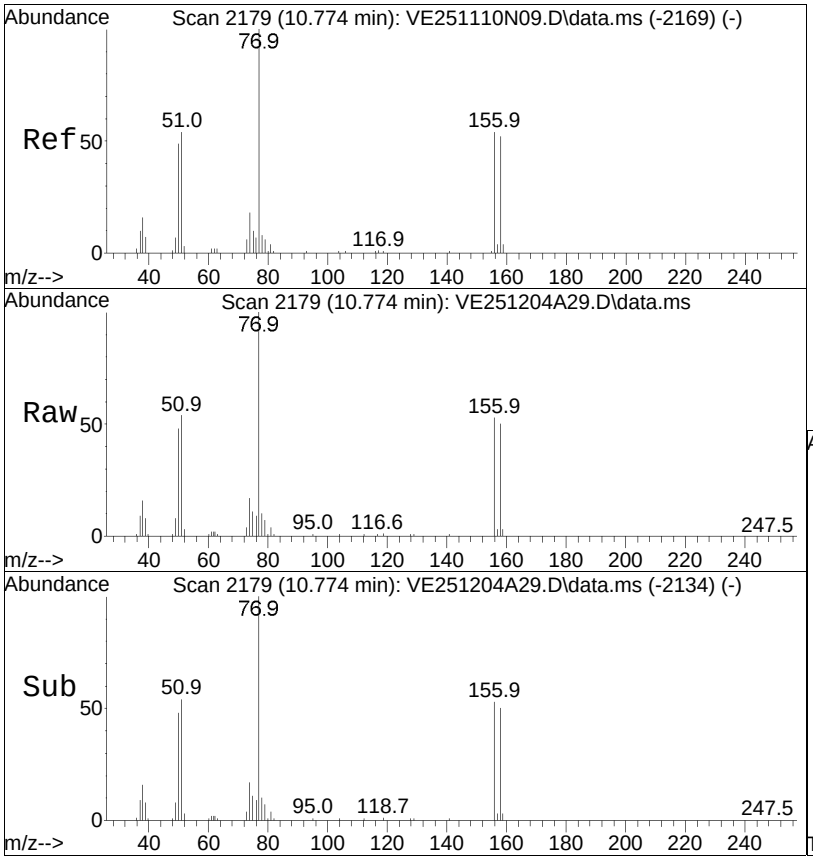


#87
Isopropylbenzene
Concen: 9.51 ug/L
RT: 10.325 min Scan# 2077
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:105 Resp: 277077

Ion	Ratio	Lower	Upper
105	100		
120	25.3	5.0	45.0

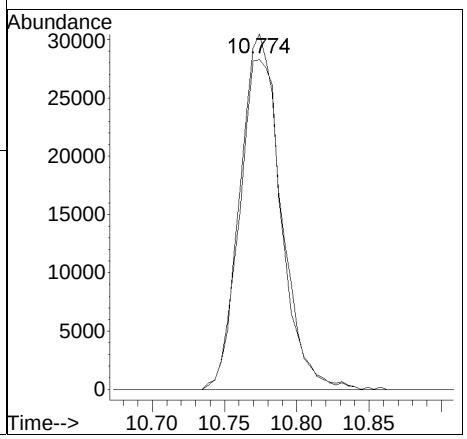


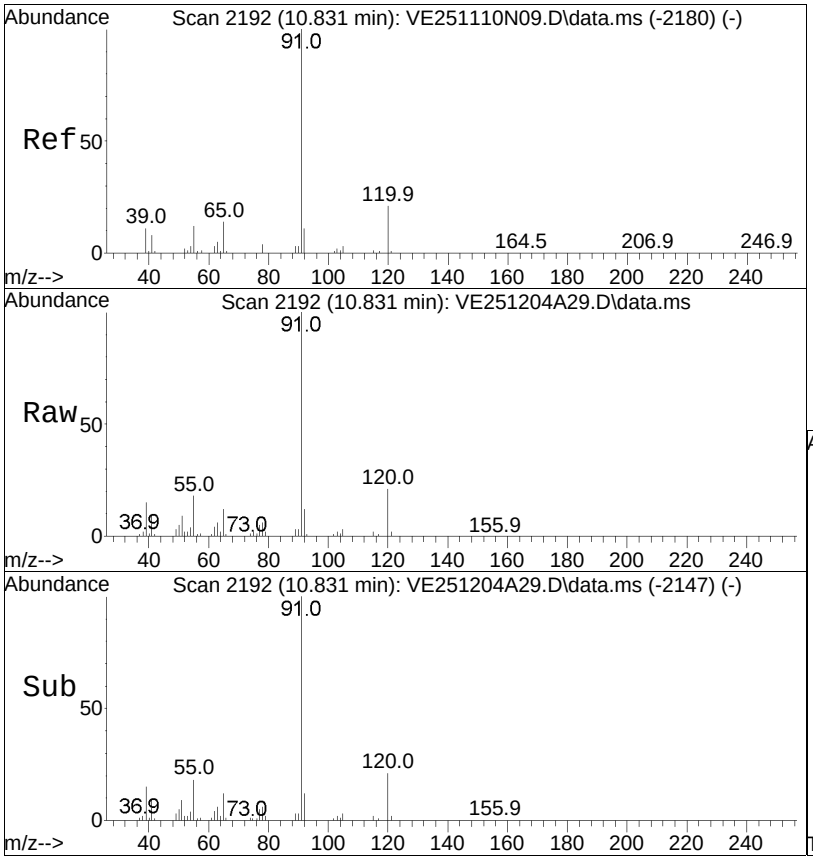


#89
Bromobenzene
Concen: 9.93 ug/L
RT: 10.774 min Scan# 2179
Delta R.T. 0.000 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:156 Resp: 60149

Ion	Ratio	Lower	Upper
156	100		
158	95.7	79.0	118.4

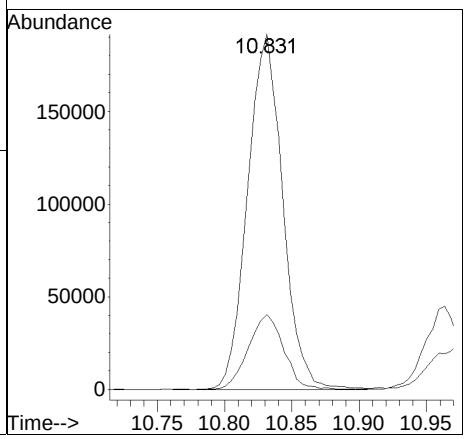


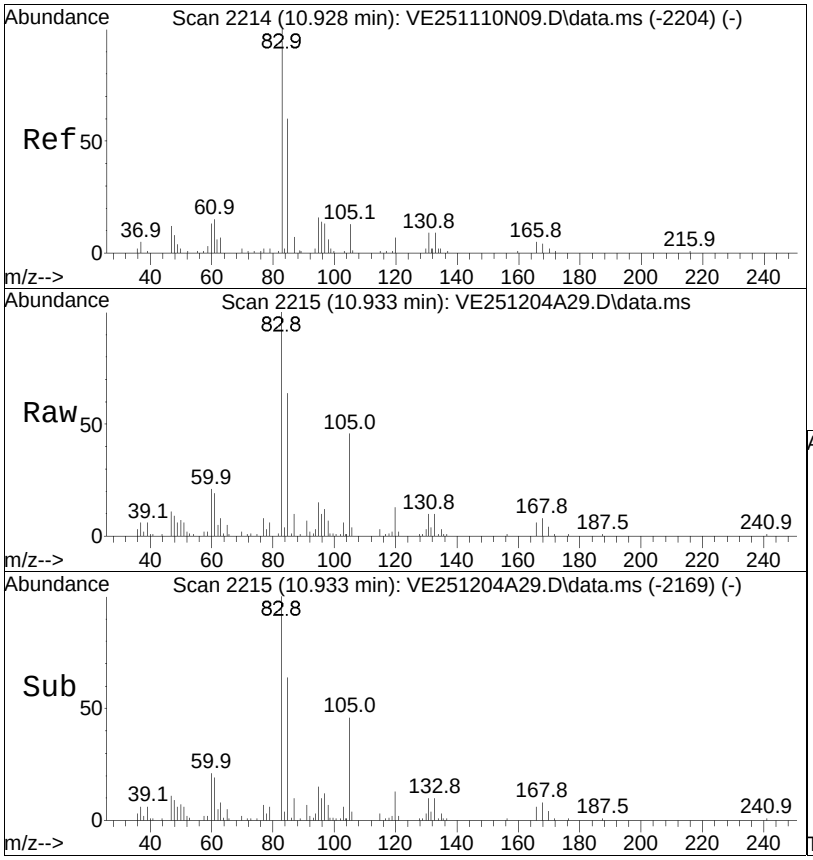


#90
n-Propylbenzene
Concen: 9.47 ug/L
RT: 10.831 min Scan# 2192
Delta R.T. 0.000 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 91 Resp: 347832

Ion	Ratio	Lower	Upper
91	100		
120	21.2	16.7	25.1

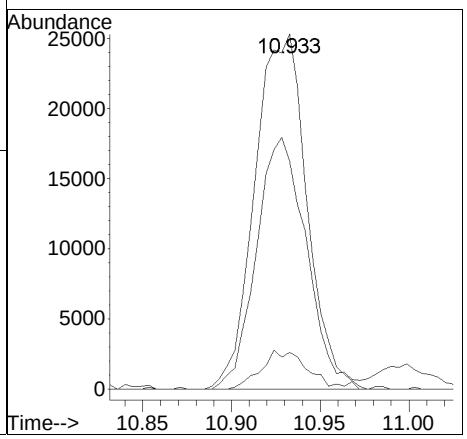


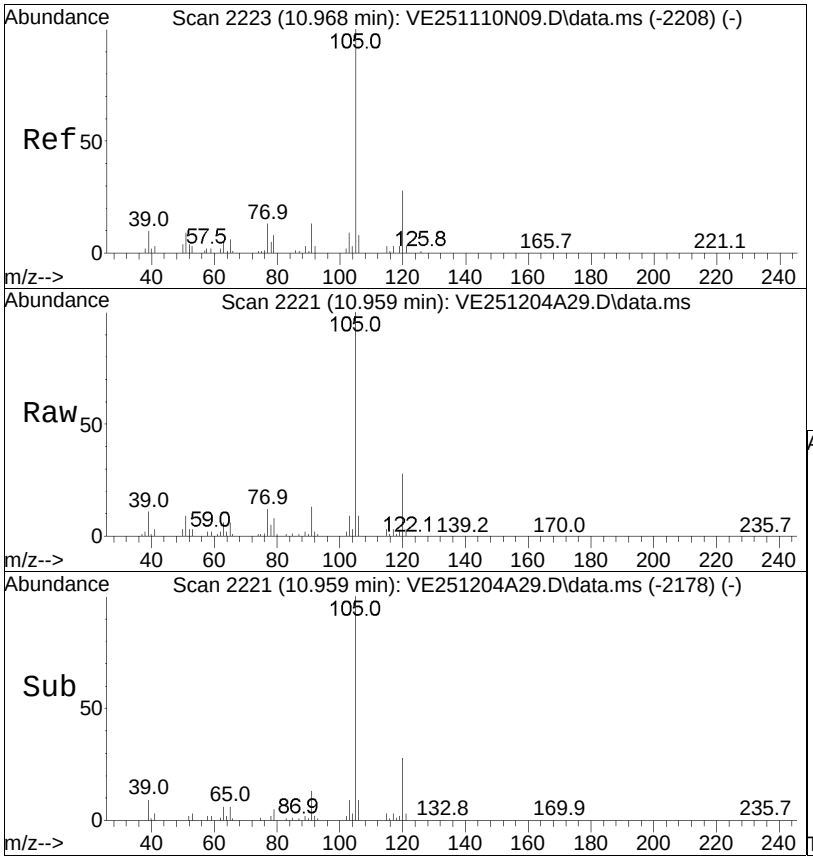


#92
1,1,2,2-Tetrachloroethane
Concen: 9.36 ug/L
RT: 10.933 min Scan# 2215
Delta R.T. 0.005 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 83 Resp: 51510

Ion	Ratio	Lower	Upper
83	100		
131	10.1	0.0	28.3
85	68.6	43.6	83.6

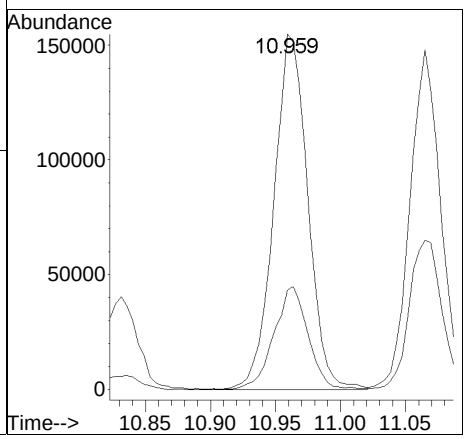


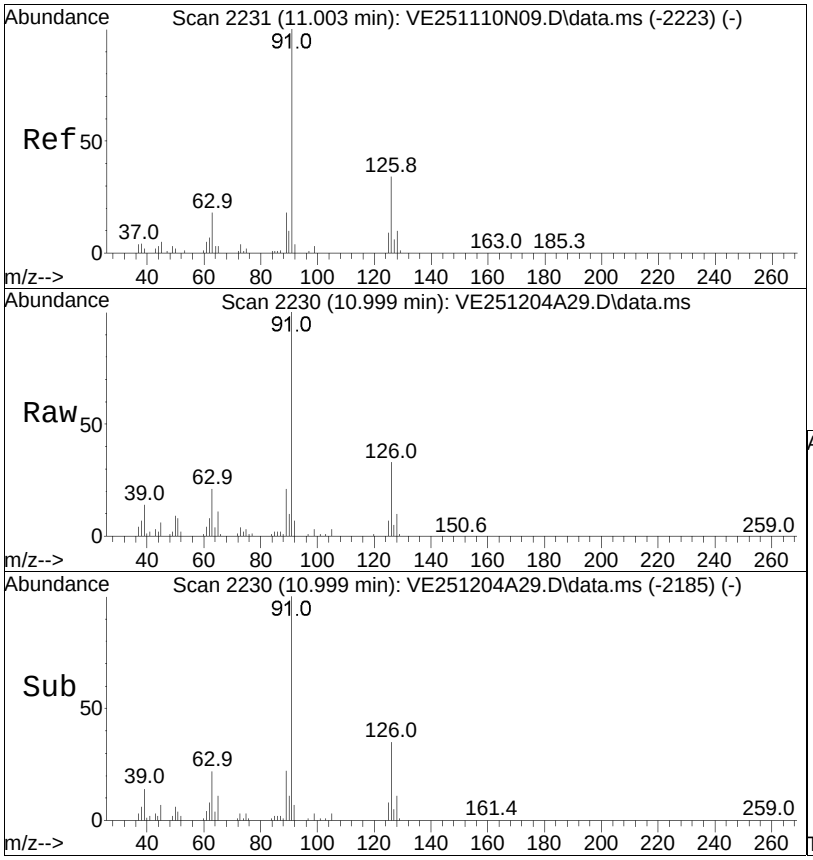


#93
4-Ethyltoluene
Concen: 9.82 ug/L
RT: 10.959 min Scan# 2221
Delta R.T. -0.009 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:105 Resp: 281394

Ion	Ratio	Lower	Upper
105	100		
120	29.1	18.7	38.7

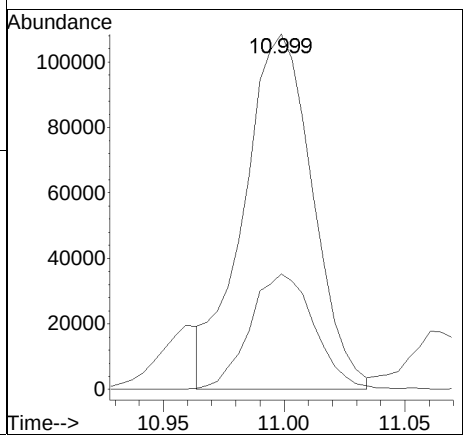


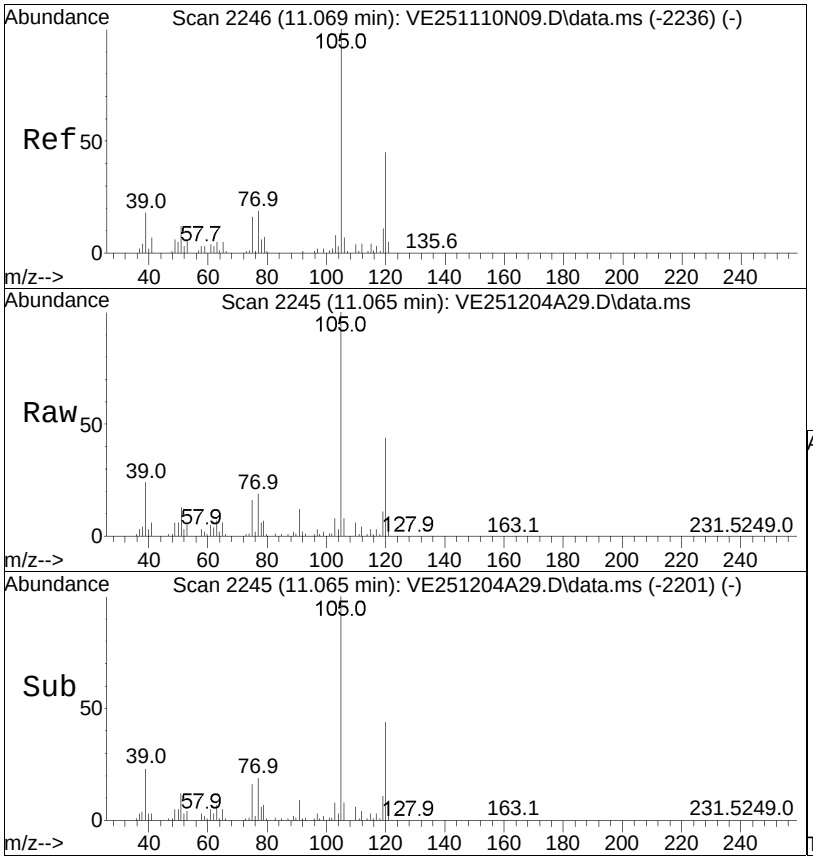


#94
2-Chlorotoluene
Concen: 9.76 ug/L M1
RT: 10.999 min Scan# 2230
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 91 Resp: 216003

Ion	Ratio	Lower	Upper
91	100		
126	30.4	23.2	34.8

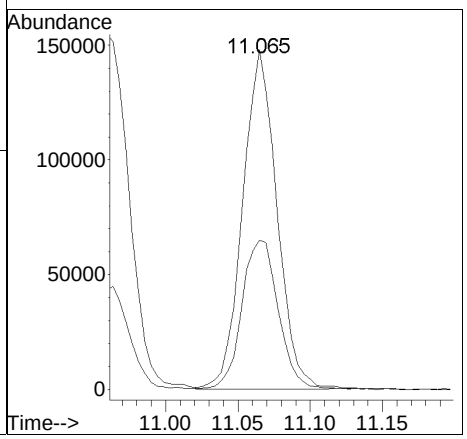


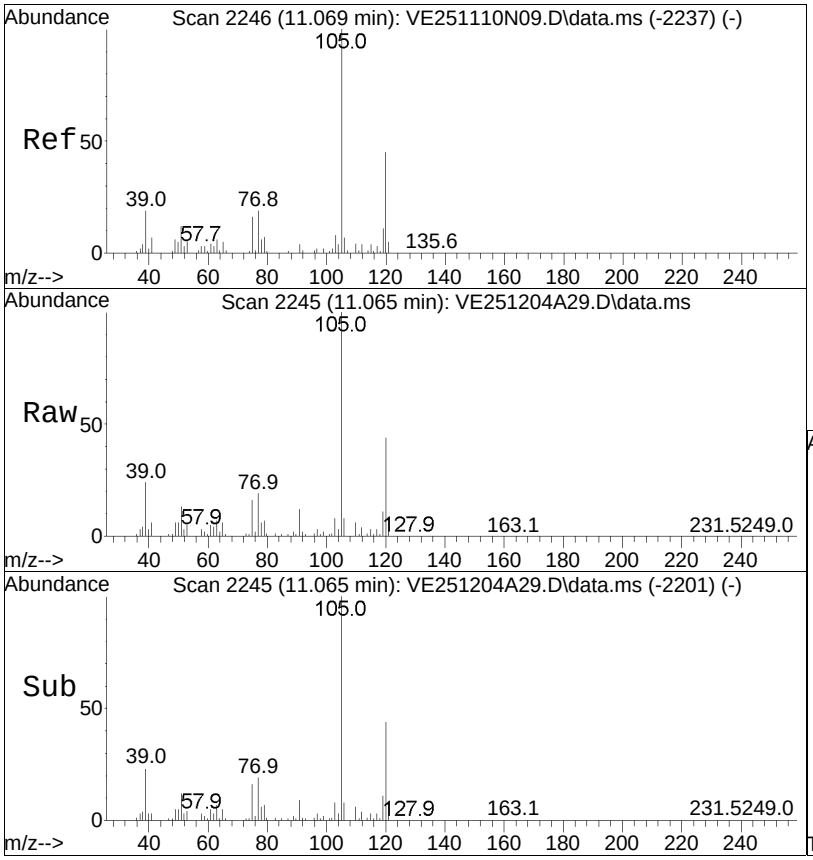


#95
1,3,5-Trimethylbenzene
Concen: 9.49 ug/L
RT: 11.065 min Scan# 2245
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:105 Resp: 243637

Ion	Ratio	Lower	Upper
105	100		
120	46.5	37.2	55.8

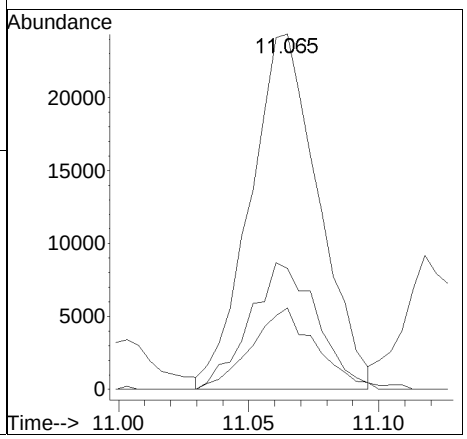


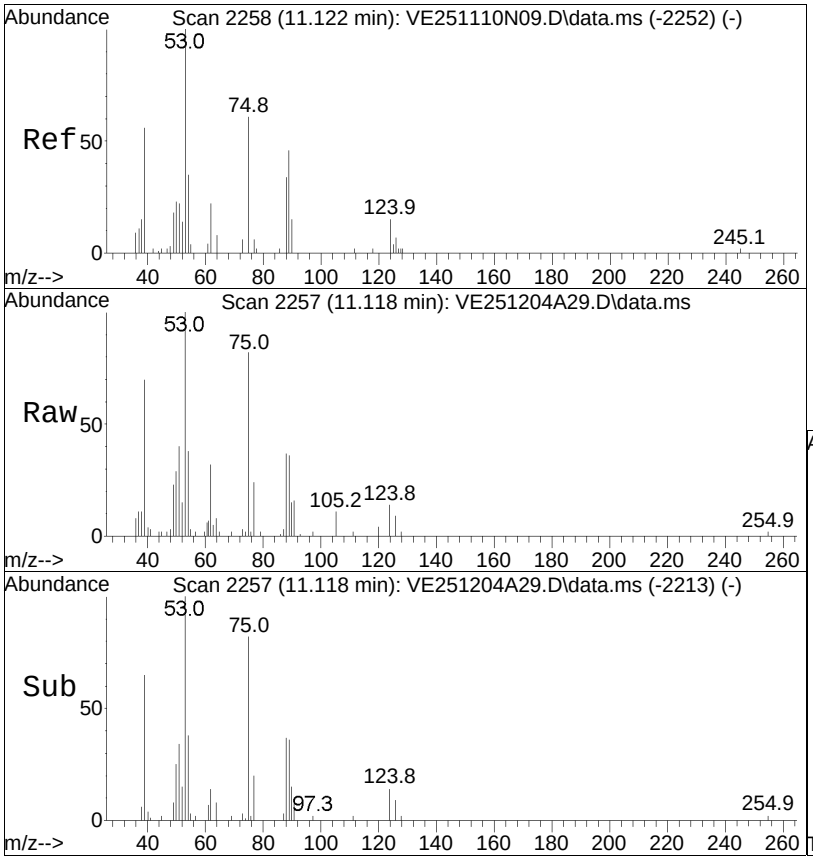


#96
1,2,3-Trichloropropane
Concen: 9.11 ug/L
RT: 11.065 min Scan# 2245
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 75 Resp: 44546

Ion	Ratio	Lower	Upper
75	100		
110	35.6	21.1	43.9
112	21.6	13.7	28.5

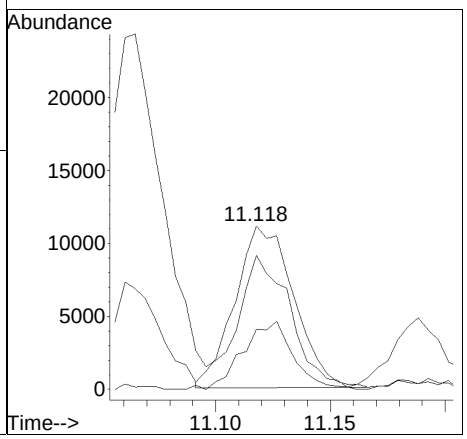


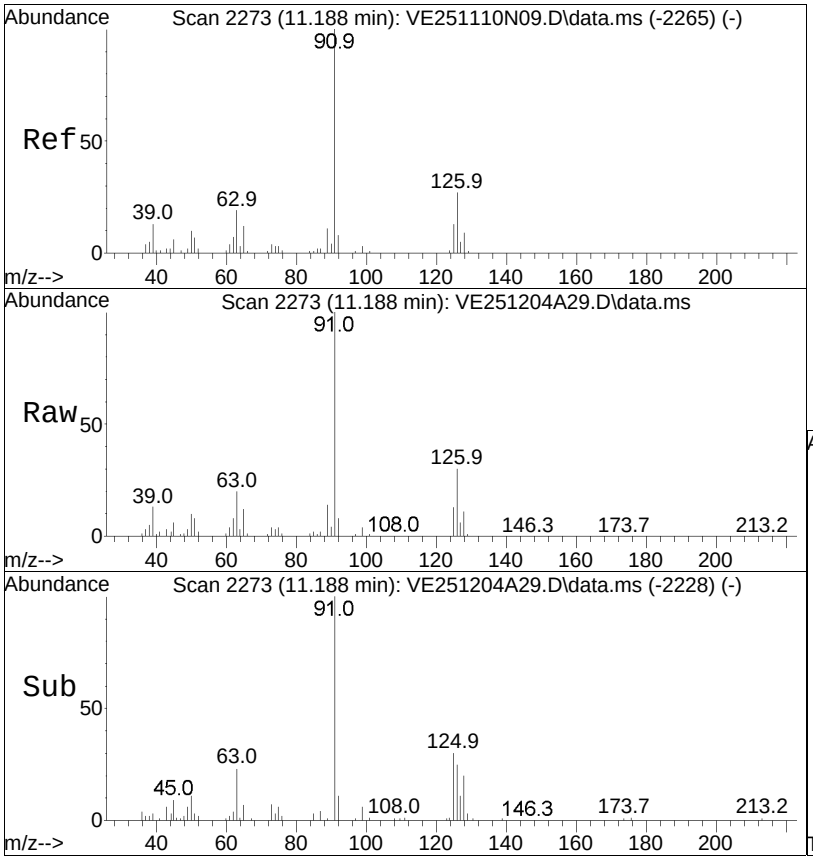


#97
trans-1,4-Dichloro-2-butene
Concen: 7.99 ug/L
RT: 11.118 min Scan# 2257
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 53 Resp: 19790

Ion	Ratio	Lower	Upper
53	100		
88	35.9	27.4	41.0
75	73.3	57.7	86.5

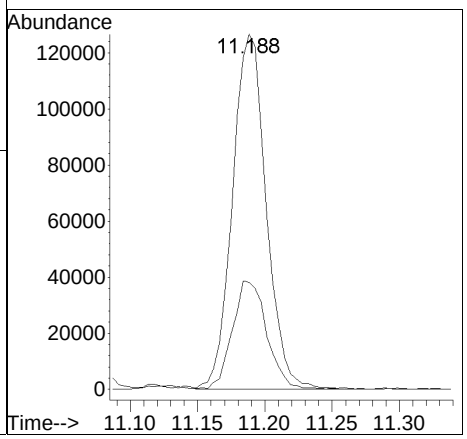


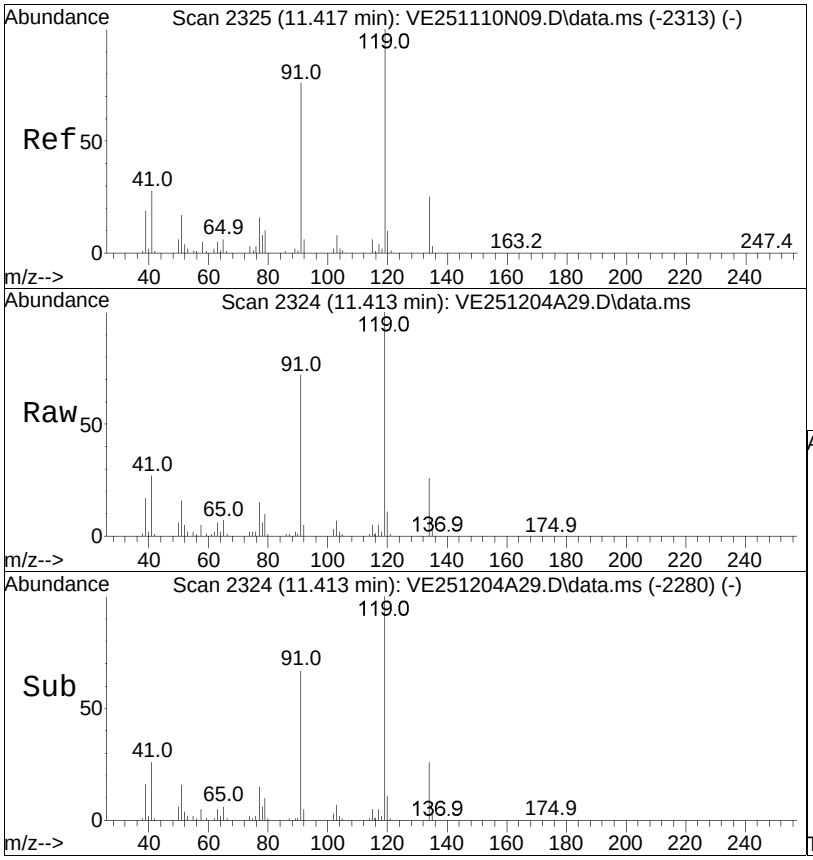


#98
4-Chlorotoluene
Concen: 9.89 ug/L
RT: 11.188 min Scan# 2273
Delta R.T. 0.000 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 91 Resp: 221334

Ion	Ratio	Lower	Upper
91	100		
126	31.2	24.7	37.1

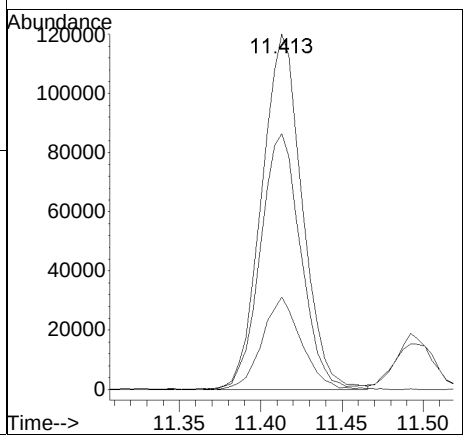


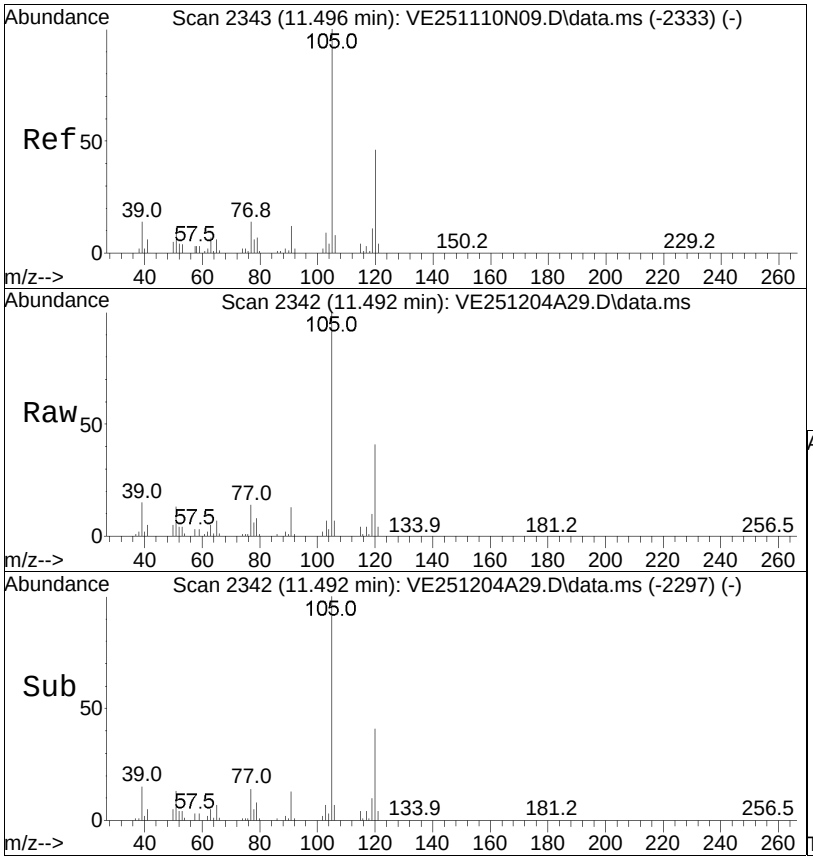


#99
tert-Butylbenzene
Concen: 10.00 ug/L
RT: 11.413 min Scan# 2324
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:119 Resp: 208010

Ion	Ratio	Lower	Upper
119	100		
91	71.9	59.3	88.9
134	25.1	19.4	29.2

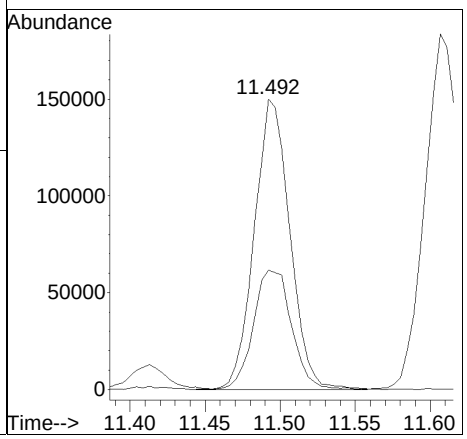


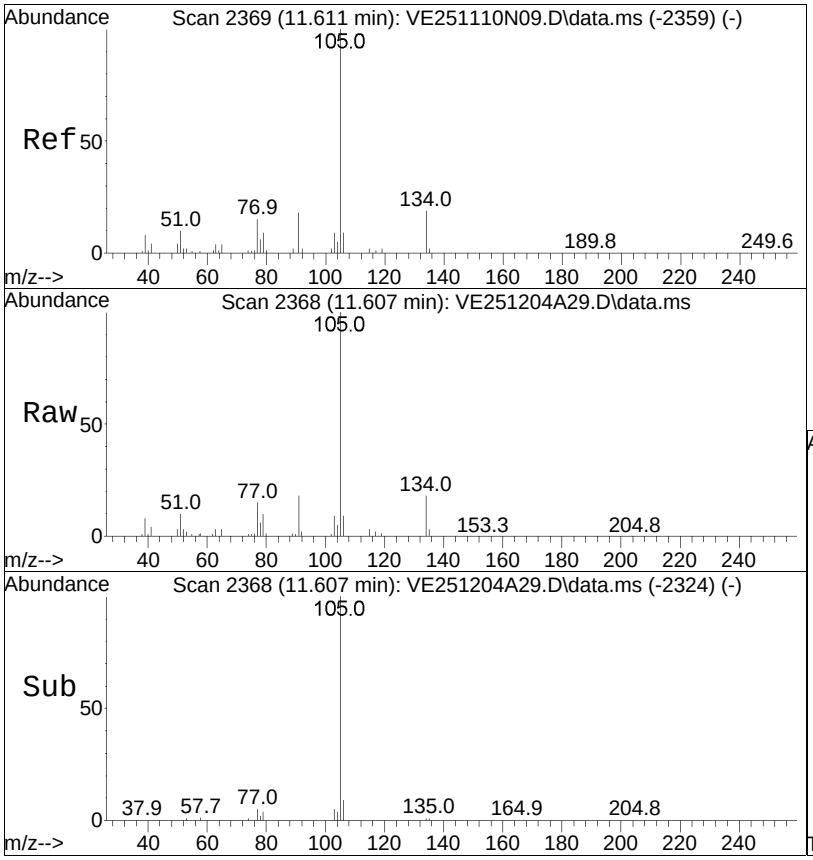


#102
1,2,4-Trimethylbenzene
Concen: 9.65 ug/L
RT: 11.492 min Scan# 2342
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:105 Resp: 246895

Ion	Ratio	Lower	Upper
105	100		
120	44.0	35.9	53.9

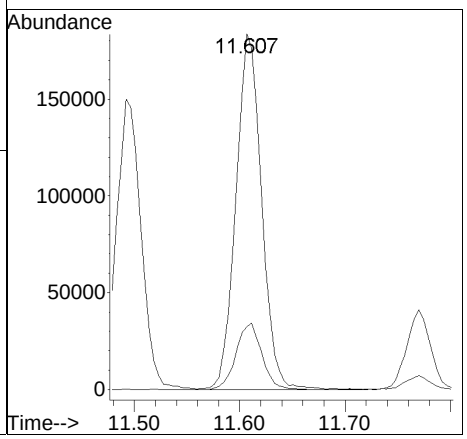


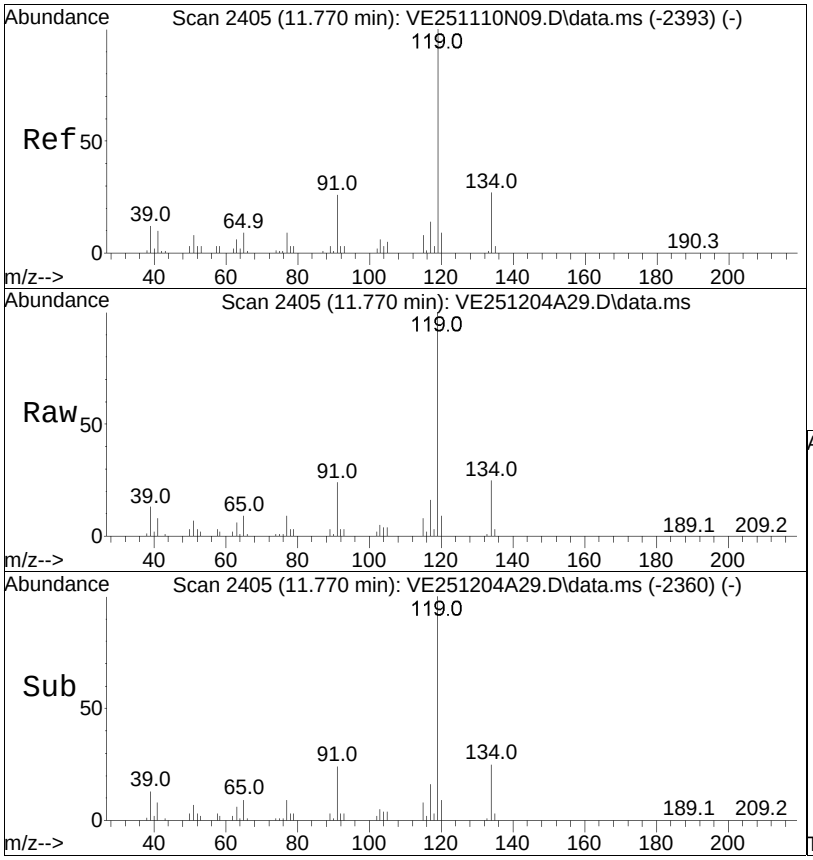


#103
sec-Butylbenzene
Concen: 9.75 ug/L
RT: 11.607 min Scan# 2368
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:105 Resp: 310651

Ion	Ratio	Lower	Upper
105	100		
134	18.6	12.2	25.2

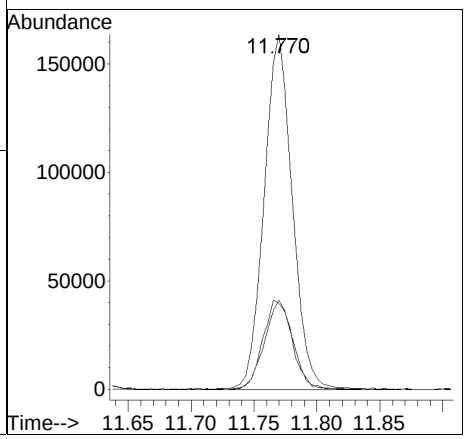


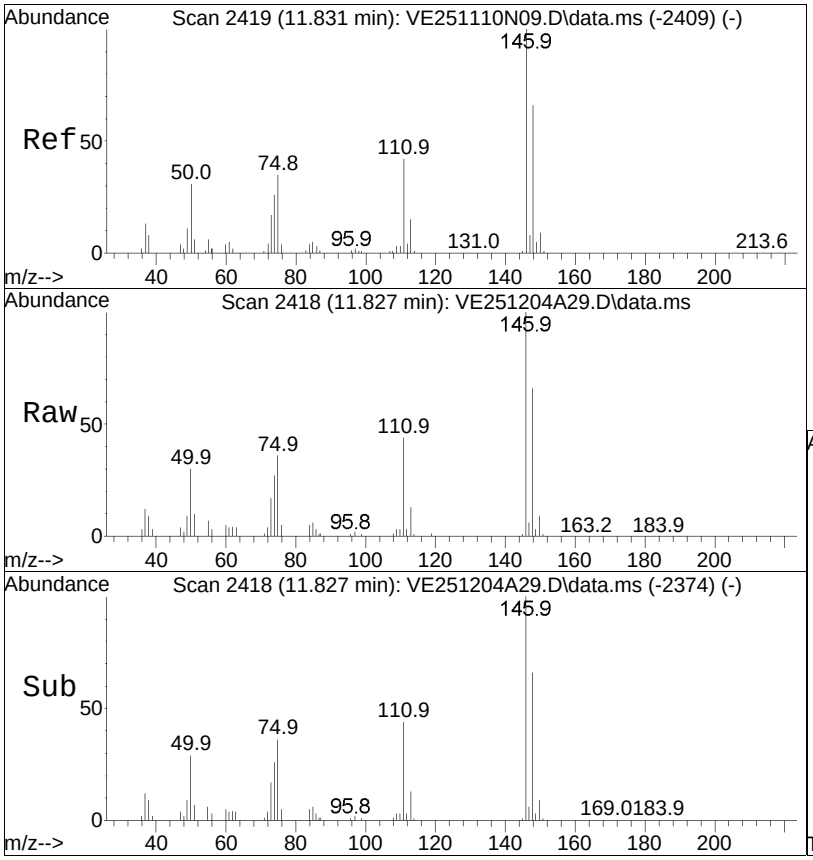


#104
p-Isopropyltoluene
Concen: 9.55 ug/L
RT: 11.770 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:119 Resp: 254976

Ion	Ratio	Lower	Upper
119	100		
134	25.3	16.8	34.8
91	26.2	18.0	37.4

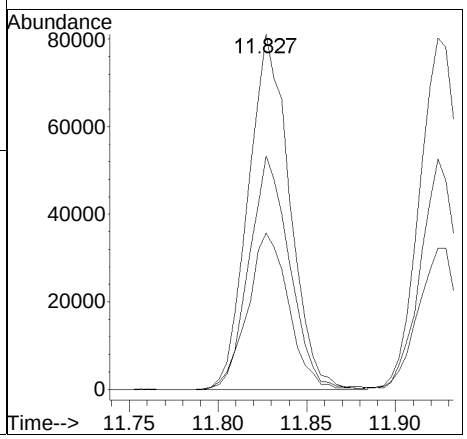


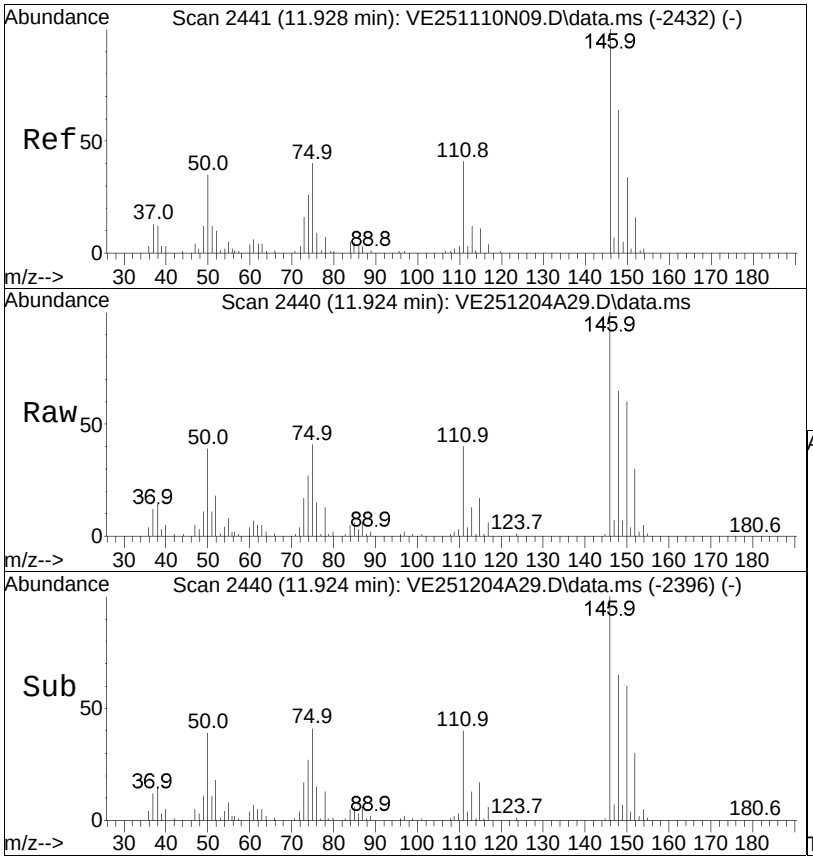


#105
1,3-Dichlorobenzene
Concen: 9.95 ug/L
RT: 11.827 min Scan# 2418
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:146 Resp: 131912

Ion	Ratio	Lower	Upper
146	100		
111	43.5	28.9	60.1
148	64.1	40.8	84.6

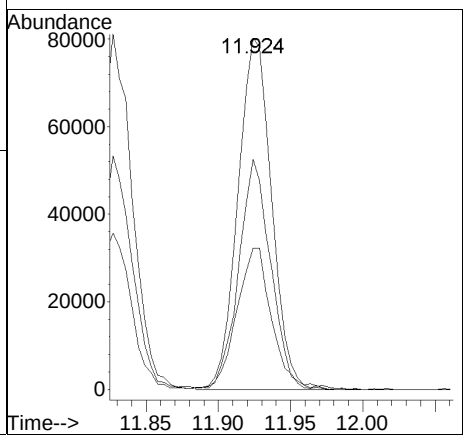


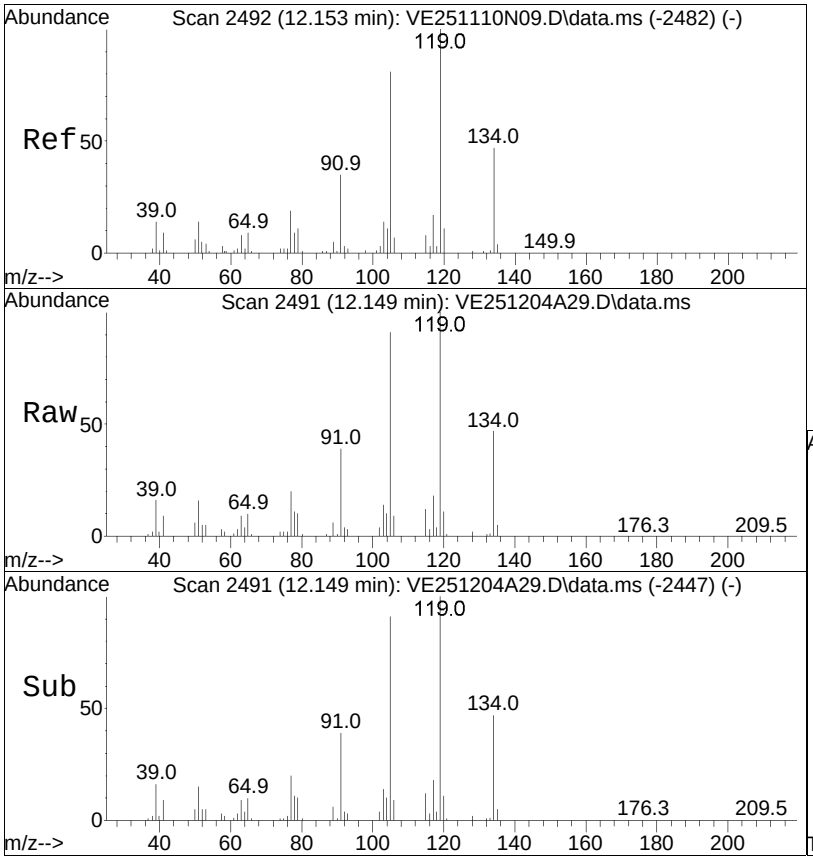


#106
1,4-Dichlorobenzene
Concen: 9.93 ug/L
RT: 11.924 min Scan# 2440
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:146 Resp: 130584

Ion	Ratio	Lower	Upper
146	100		
111	41.1	34.1	51.1
148	62.2	51.3	76.9

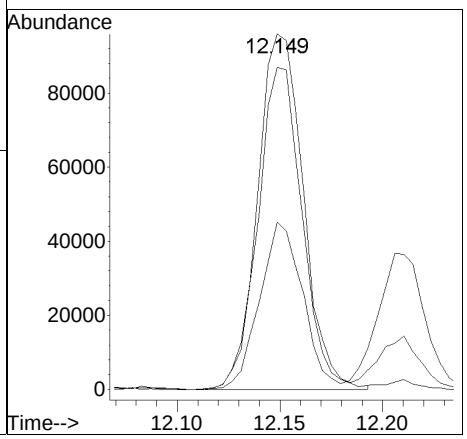


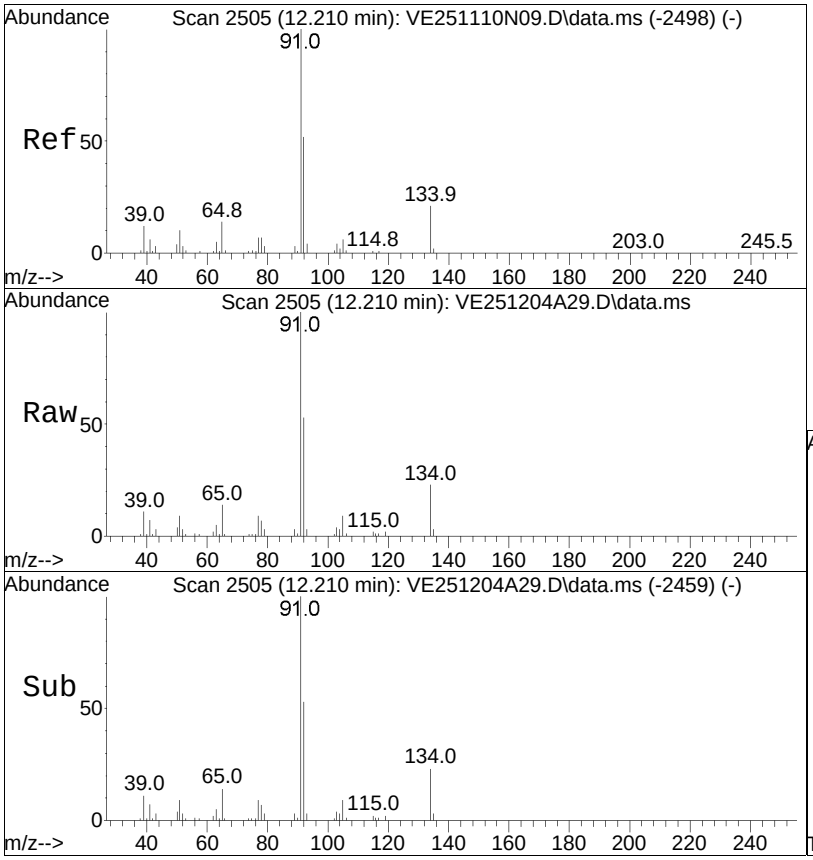


#107
p-Diethylbenzene
Concen: 9.38 ug/L
RT: 12.149 min Scan# 2491
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:119 Resp: 148145

Ion	Ratio	Lower	Upper
119	100		
105	87.4	55.8	115.8
134	44.4	29.2	60.6

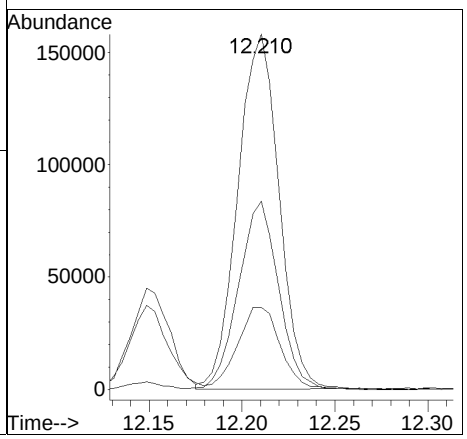


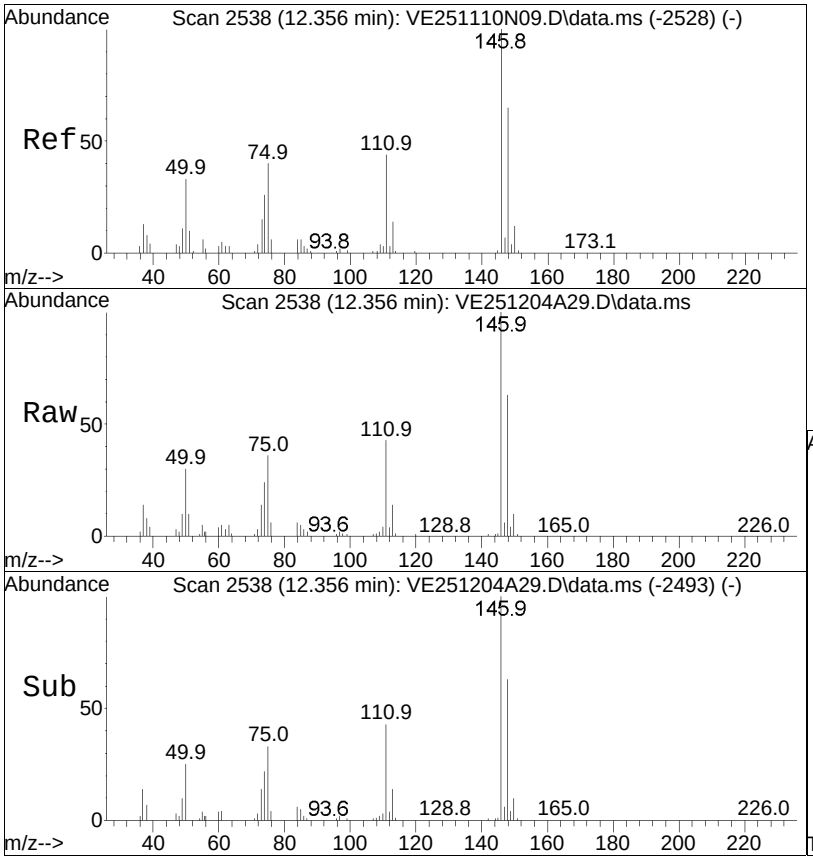


#108
n-Butylbenzene
Concen: 9.37 ug/L
RT: 12.210 min Scan# 2505
Delta R.T. 0.000 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion: 91 Resp: 243694

Ion	Ratio	Lower	Upper
91	100		
92	51.7	41.4	62.0
134	24.2	18.8	28.2

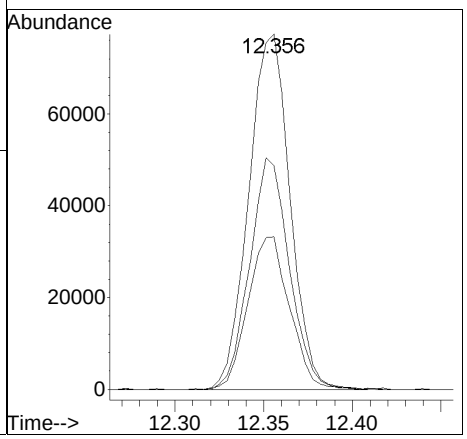


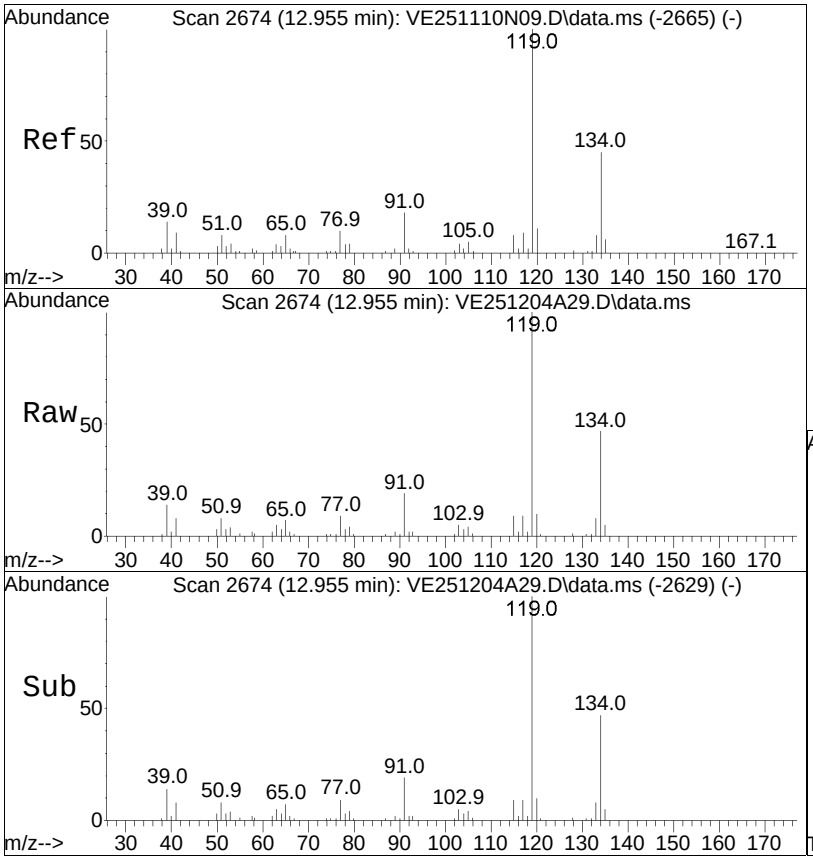


#109
1,2-Dichlorobenzene
Concen: 10.19 ug/L
RT: 12.356 min Scan# 2538
Delta R.T. -0.000 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:146 Resp: 125529

Ion	Ratio	Lower	Upper
146	100		
111	43.3	29.4	61.0
148	62.7	40.4	83.8

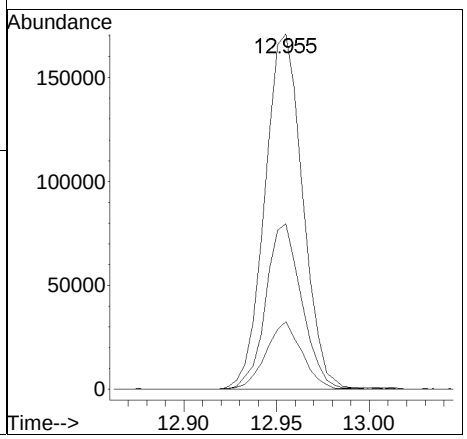


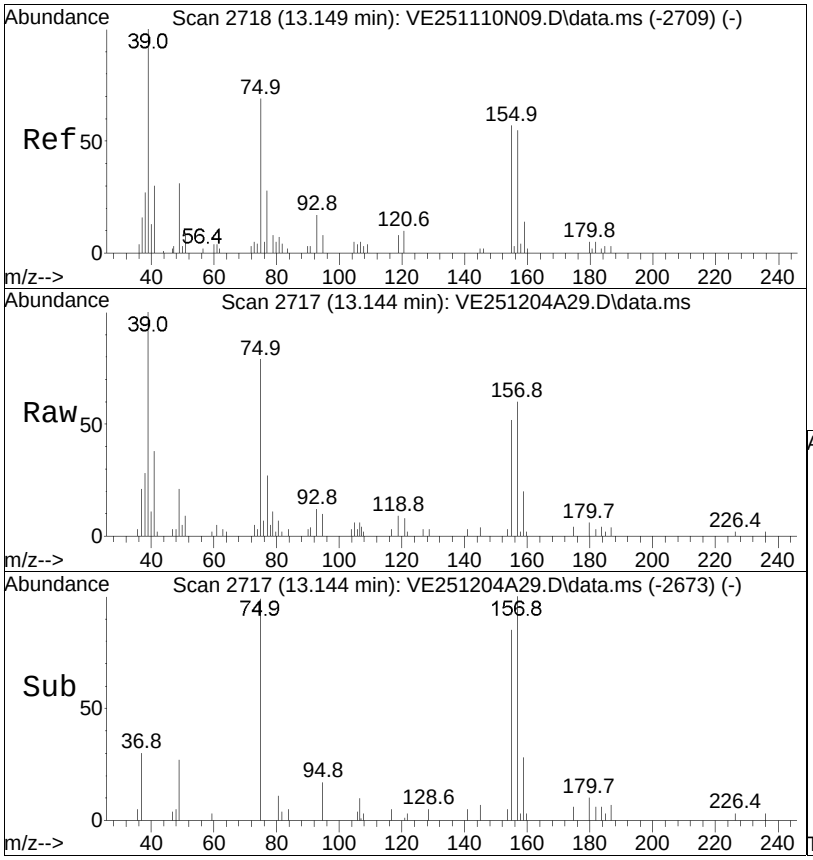


#110
1,2,4,5-Tetramethylbenzene
Concen: 9.09 ug/L
RT: 12.955 min Scan# 2674
Delta R.T. -0.000 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:119 Resp: 242673

Ion	Ratio	Lower	Upper
119	100		
134	44.3	29.6	61.6
91	18.3	12.4	25.8

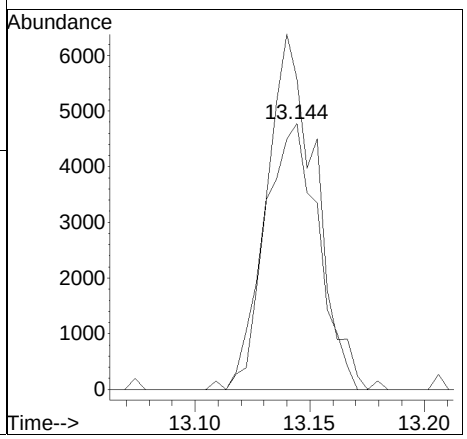


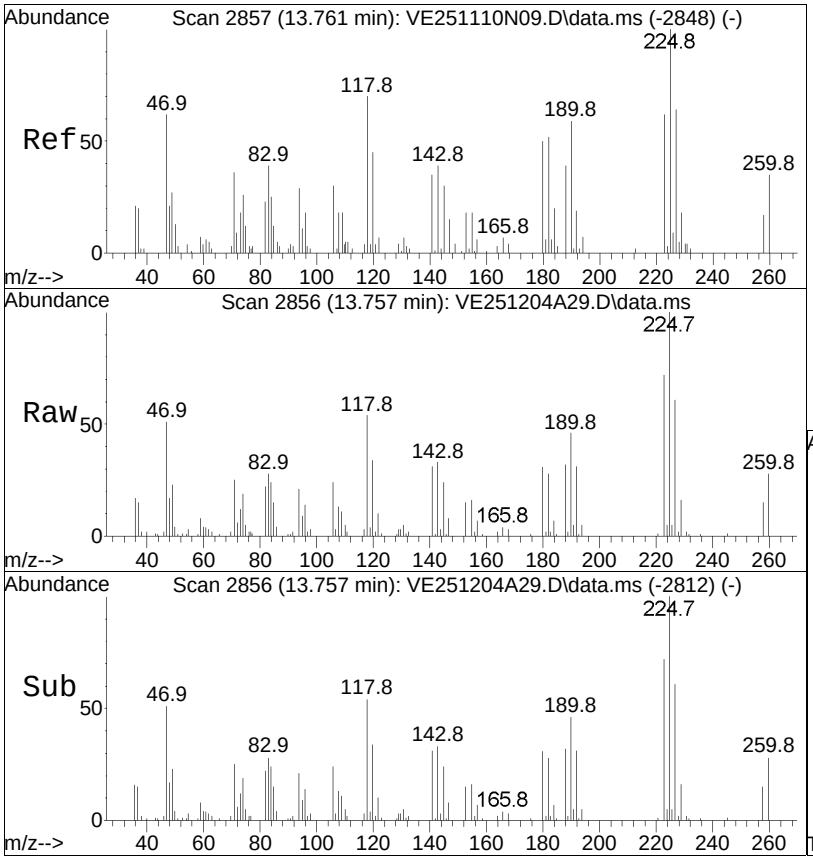


#111
1,2-Dibromo-3-chloropropane
Concen: 9.59 ug/L
RT: 13.144 min Scan# 2717
Delta R.T. -0.005 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:155 Resp: 7624

Ion	Ratio	Lower	Upper
155	100		
157	125.5	101.0	151.4

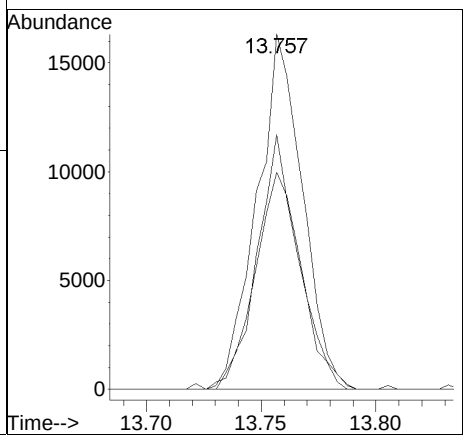


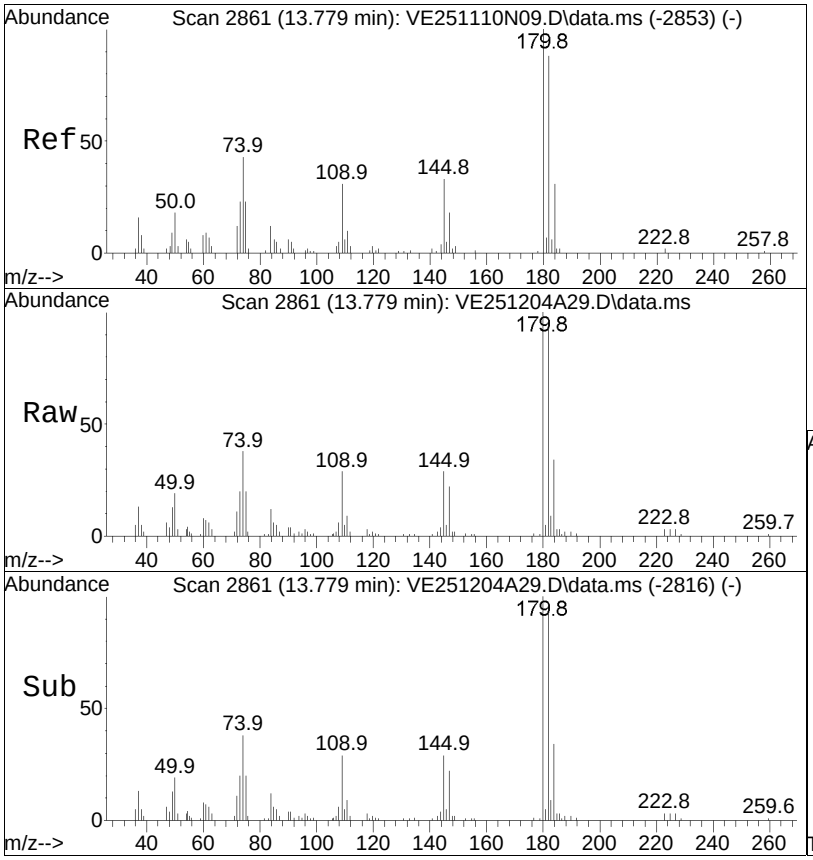


#113
Hexachlorobutadiene
Concen: 10.85 ug/L
RT: 13.757 min Scan# 2856
Delta R.T. -0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:225 Resp: 22542

Ion	Ratio	Lower	Upper
225	100		
223	64.8	53.8	80.8
227	62.7	52.1	78.1

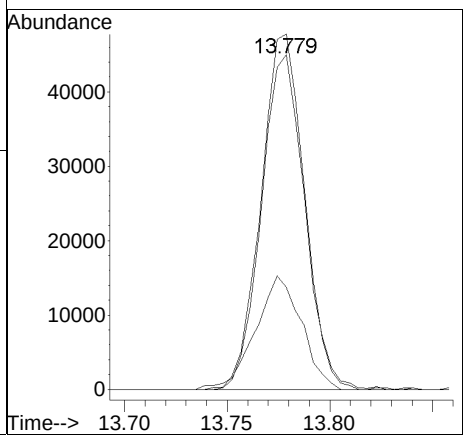


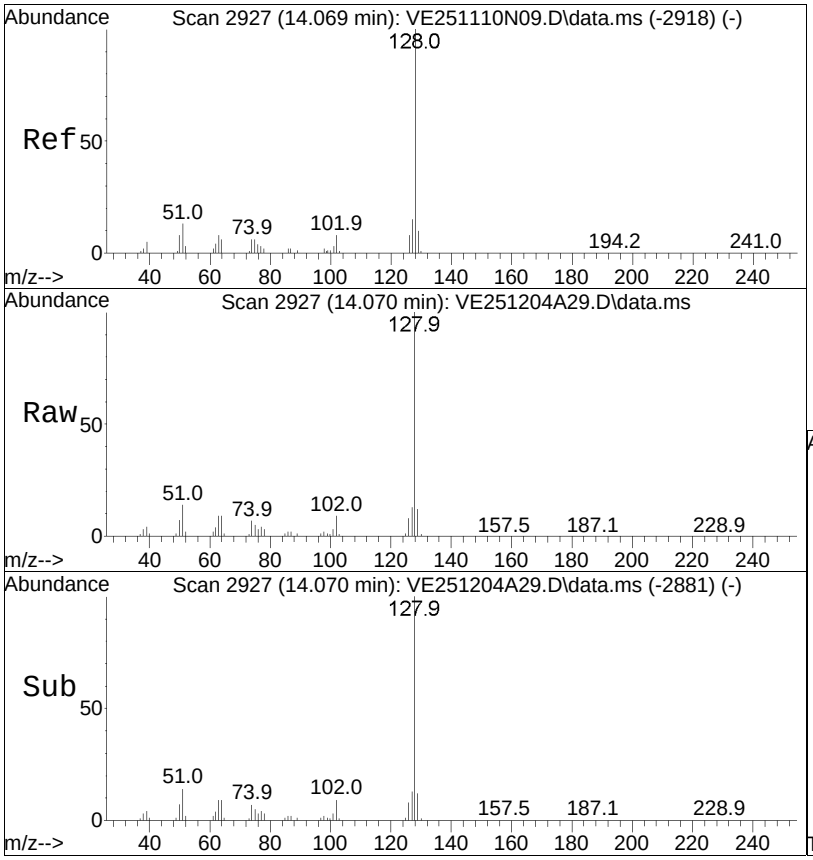


#114
1,2,4-Trichlorobenzene
Concen: 10.55 ug/L
RT: 13.779 min Scan# 2861
Delta R.T. -0.000 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:180 Resp: 70330

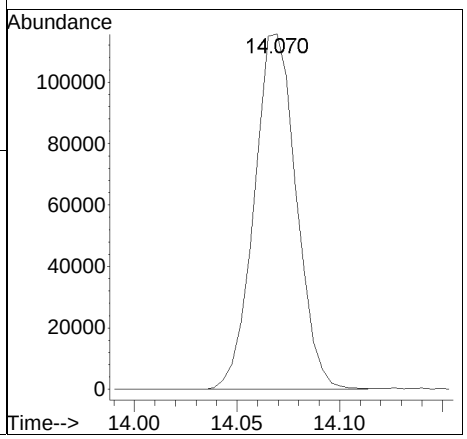
Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.1	112.7
145	33.7	29.6	44.4

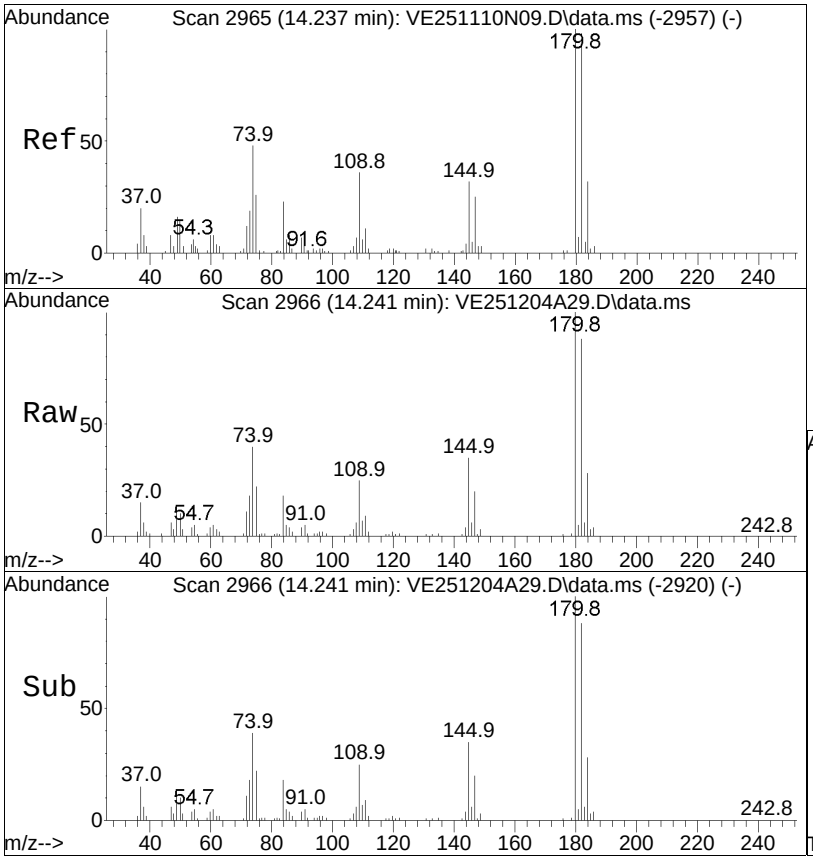




#115
Naphthalene
Concen: 9.92 ug/L
RT: 14.070 min Scan# 2927
Delta R.T. 0.000 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:128 Resp: 164834

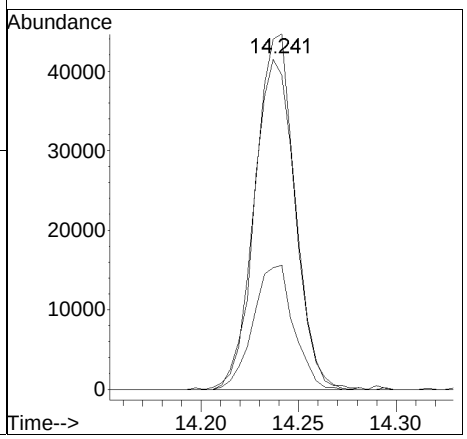




#116
1,2,3-Trichlorobenzene
Concen: 10.93 ug/L
RT: 14.241 min Scan# 2966
Delta R.T. 0.004 min
Lab File: VE251204A29.D
Acq: 4 Dec 2025 6:53 pm

Tgt Ion:180 Resp: 63564

Ion	Ratio	Lower	Upper
180	100		
182	94.5	78.9	118.3
145	35.4	27.7	41.5

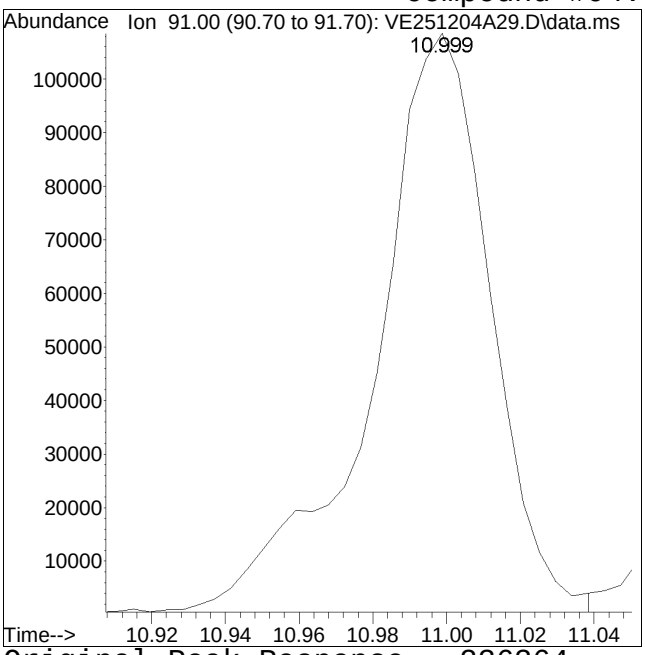


Manual Integration Report

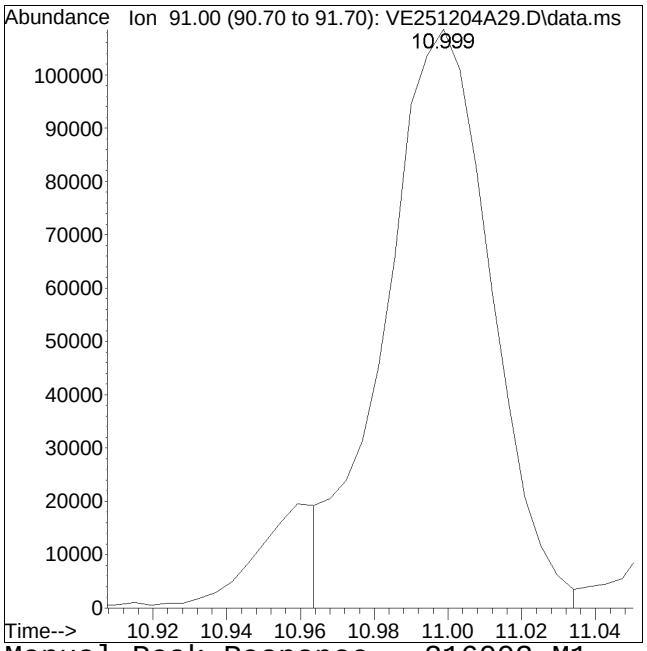
Data Path : K:\Elaine\2025\251204A\
Data File : VE251204A29.D
Date Inj'd : 12/4/2025 6:53 pm
Sample : WG2149663-9,31,10,10,,A2

QMethod : Elaine_251111N_8260.m
Operator : ELAINE:MJV
Instrument : Elaine
Quant Date : 12/5/2025 5:54 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 236364



Manual Peak Response = 216003 M1

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

Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * Uf * (1/Vo)

Where:
DF = Dilution Factor
Vo = Sample Volume Purged (mL)
Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: Amt * DF * (1/Wt)

Where:
DF = Dilution Factor
Wt = Weight of Sample (g)

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Dec 05 2025, 09:25 am

Work Group: WG2149663 for Department: 31 GC/MS - Volatiles

Created: 04-DEC-25 Due: Operator: mjv

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2575112-03	MW-04D_251121	S	NYTCL-8260	WATER	SEC	U	1208	1210	S0	Vial-B
L2575112-05	MW-08D_251121	S	NYTCL-8260	WATER	SENT	U	1208	1210	S0	Vial-B
L2575144-01	TRIP BLANK-1	S	NYTCL-8260	WATER	DONE	U	1208	1205	S0	Vial-B
L2575144-02	MW-10S	S	NYTCL-8260	WATER	DONE	U	1208	1205	S0	Vial-B
L2575144-03	MW-3S	S	NYTCL-8260	WATER	DONE	U	1208	1205	S0	Vial-B
L2575144-04	MW-1S	S	NYTCL-8260	WATER	DONE	U	1208	1205	S0	Vial-B
L2575144-05	MW-8S	S	NYTCL-8260	WATER	DONE	U	1208	1205	S0	Vial-B
L2575144-06	MW-29S	S	NYTCL-8260	WATER	DONE	U	1208	1205	S0	Vial-B
L2575144-07	MW-28S	S	NYTCL-8260	WATER	DONE	U	1208	1205	S0	Vial-B
L2575144-08	MW-27S	S	NYTCL-8260	WATER	DONE	U	1208	1205	S0	Vial-B
L2575144-09	DUP-112425	S	NYTCL-8260	WATER	DONE	U	1208	1205	S0	Vial-B
L2575144-10	MW-2D	S	NYTCL-8260	WATER	DONE	U	1208	1205	S0	Vial-B
L2575191-02	TMW-02	S	NYTCL-8260-R2	WATER	SEC	U	1208	1210	S0	Vial-B
L2575191-04	TMW-05	S	NYTCL-8260-R2	WATER	SEC	U	1208	1210	S0	Vial-B
L2575198-01	WC-GW-251124	S	NYTCL-8260	WATER	SEC	U	1208	1210	S0	Vial-B
L2576753-06	FB_12032025	S	NYTCL-8260	WATER	DONE	U	1217	1204	1A	Vial-B
WG2149663-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2149663-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG2149663-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG2149663-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2149663-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG2149663-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2149663-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG2149663-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2149663-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				
WG2149663-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2149663-6	Matrix Spike	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2149663-6	Matrix Spike	S	NYTCL-8260	WATER	DONE	U				
WG2149663-7	Matrix Spike Duplica	S	NYTCL-8260	WATER	DONE	U				
WG2149663-7	Matrix Spike Duplica	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2149663-8	Matrix Spike	S	NYTCL-8260	WATER	DONE	U				
WG2149663-8	Matrix Spike	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2149663-9	Matrix Spike Duplica	S	NYTCL-8260	WATER	DONE	U				
WG2149663-9	Matrix Spike Duplica	S	NYTCL-8260-R2	WATER	DACQ	U				

Comments:

WG2149663-4	WG2149663-3
WG2149663-6	L2575144-06
WG2149663-7	L2575144-06
WG2149663-8	L2575144-08
WG2149663-9	L2575144-08

Inst: Elaine
Initials: RAW
Date: **11/10/25**
Run: **N**

BFB: V11498
IS/SS: V11514
ICAL: V11515B,V11532
ICV: V11528,V11529,V11490,V11491,V11516,V11517

Method
GC: 8260-SPLIT
Autosampler: 8260
Concentrator: 8260

QC:_____ Seq:_____

Vial	Data File	Sample	obs
1	VE251110NBF1	BFB TUNE	
1	VE251110N01	BLK	
2	VE251110N02	BLK	
3	VE251110N03	I8260STD0.19PPB	
4	VE251110N04	I8260STD0.19PPB	
5	VE251110N05	I8260STD0.5PPB	
6	VE251110N06	I8260STD0.5PPB	
7	VE251110N07	I8260STD2PPB	
8	VE251110N08	I8260STD2PPB	
9	VE251110N09	I8260STD10PPB	
10	VE251110N10	I8260STD30PPB	
11	VE251110N11	I8260STD80PPB	
12	VE251110N12	I8260STD120PPB	
13	VE251110N13	I8260STD200PPB	
14	VE251110N14	BLK	
15	VE251110N15	BLK	
16	VE251110N16	BLK	
17	VE251110N17	BLK	
18	VE251110N18	C8260STD10PPB	
19	VE251110N19	C8260STD10PPB	
20	VE251110N20	BLK	
21	VE251110N21	MDL METHOD BLK	
22	VE251110N22	MDL L1	
23	VE251110N23	MDL L1	
24	VE251110N24	MDL L2	
25	VE251110N25	MDL L2	
26	VE251110N26	BLK	

Inst: Elaine BFB: V11543 Method GC: 8260-SPLIT
Initials: MJV IS/SS: V11547 Autosampler: 8260
Date: **12/04/25** ICAL: V11554A,V11568 Concentrator: 8260
Run: **A** QC:_____ Seq:_____

Vial	Data File	Sample	Comments	SIM WG	WG	obs	pH
1	VE251204ABF2	BFB TUNE 07:05					
1	VE251204A01	8260 CCAL LCS					
2	VE251204A02	8260 CCAL LCSD					
3	VE251204A03	8260 CCAL					
4	VE251204A04	BLK					
5	VE251204A05	METHOD BLK					
6	VE251204A06	L2575966-39,31,10,10,,A	8260CHLR/PCEB			FB	pH<2
7	VE251204A07	L2575966-40,31,10,10,,A	8260CHLR/PCEB			FB	pH<2
8	VE251204A08	L2576379-01,31,10,10,,C	NJ/15/JB				pH<2
9	VE251204A09	L2576608-05,31,10,10,,A	8260				pH<2
10	VE251204A10	L2575144-01,31,10,10,,A	NYTCL/10			TB	pH<2
11	VE251204A11	L2575144-02,31,10,10,,A	NYTCL/10			TB	pH<2
12	VE251204A12	L2575144-03,31,10,10,,A	NYTCL/10				pH<2
13	VE251204A13	L2576753-06,31,10,10,,A	NYTCL				pH<2
14	VE251204A14	L2575144-04,31,10,10,,A	NYTCL/10				pH<2
15	VE251204A15	L2575144-05,31,10,10,,A	NYTCL/10				pH<2
16	VE251204A16	L2575144-06,31,10,10,,A	NYTCL/10				pH<2
17	VE251204A17	L2575144-07,31,10,10,,A	NYTCL/10				pH<2
18	VE251204A18	L2575144-08,31,10,10,,A	NYTCL/10				pH<2
19	VE251204A19	L2575144-09,31,10,10,,A	NYTCL/10				pH<2
20	VE251204A20	L2575144-10,31,10,10,,A	NYTCL/10				pH<2
21	VE251204A21	L2575112-03,31,10,10,,A	NYTCL/10				pH<2
22	VE251204A22	L2575112-05,31,10,10,,A	NYTCL/10				pH<2
23	VE251204A23	L2575198-01,31,10,10,,A	NYTCL				pH<2
24	VE251204A24	L2575191-02,31,10,10,,A	NY/R2				pH<2
25	VE251204A25	L2575191-04,31,10,10,,A	NY/R2				pH<2
26	VE251204A26	L2575144-06MS,31,10,10,,A1	NYTCL/10				pH<2
27	VE251204A27	L2575144-06MSD,31,10,10,,A2	NYTCL/10				pH<2
28	VE251204A28	L2575144-08MS,31,10,10,,A1	NYTCL/10				pH<2
29	VE251204A29	L2575144-08MSD,31,10,10,,A2	NYTCL/10				pH<2
30	VE251204A30	HBM					
31	VE251204A31	BLK					
32	VE251204A32	BLK					

Wet Chemistry

Nitrate and Nitrite Analysis

Results

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2575144
Project Name	:	1000 TURK HILL RD GWS	Project Number	:	3113.0001Y000
Lab ID	:	L2575144-02	Date Collected	:	11/24/25 10:45
Client ID	:	MW-10S	Date Received	:	11/24/25
Sample Location	:	1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	:	12/04/25 08:12
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NO3-F	Analyst	:	KAF
Lab File ID	:	NO3251204-B1	Instrument ID	:	FIA1
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Nitrate/Nitrite	0.11	0.10	0.046	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-03	Date Collected	: 11/24/25 10:10
Client ID	: MW-3S	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 08:13
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3251204-B1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Nitrate/Nitrite	ND	0.10	0.046	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-05	**Date Collected**	: 11/24/25 11:35
Client ID	: MW-8S	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/04/25 08:48
Sample Matrix	: WATER	**Dilution Factor**	: 5
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3251204-B1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	12.	0.50	0.23	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-06	**Date Collected**	: 11/24/25 11:55
Client ID	: MW-29S	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/04/25 08:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3251204-B1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	0.082	0.10	0.046	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575144-07	Date Collected	: 11/24/25 13:20
Client ID	: MW-28S	Date Received	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	: 12/04/25 08:19
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3251204-B1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Nitrate/Nitrite	ND	0.10	0.046	U

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2575144
Project Name	:	1000 TURK HILL RD GWS	Project Number	:	3113.0001Y000
Lab ID	:	L2575144-08	Date Collected	:	11/24/25 12:40
Client ID	:	MW-27S	Date Received	:	11/24/25
Sample Location	:	1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	:	12/04/25 08:20
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NO3-F	Analyst	:	KAF
Lab File ID	:	NO3251204-B2	Instrument ID	:	FIA1
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Nitrate/Nitrite	ND	0.10	0.046	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-09	**Date Collected**	: 11/24/25 12:00
Client ID	: DUP-112425	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/04/25 08:27
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3251204-B1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	0.052	0.10	0.046	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-10	**Date Collected**	: 11/24/25 14:05
Client ID	: MW-2D	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/04/25 08:28
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3251204-B1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	0.35	0.10	0.046	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: WG2149354-1	Date Collected	: NA
Client ID	: WG2149354-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/04/25 03:59
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3251204-A1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Nitrate/Nitrite	ND	0.10	0.046	U

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2575144
Project Name	:	1000 TURK HILL RD GWS	Project Number	:	3113.0001Y000
Lab ID	:	WG2149354-3	Date Collected	:	11/24/25 11:55
Client ID	:	MW-29SDUP	Date Received	:	11/24/25
Sample Location	:		Date Analyzed	:	12/04/25 08:17
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NO3-F	Analyst	:	KAF
Lab File ID	:	NO3251204-B1	Instrument ID	:	FIA1
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Nitrate/Nitrite	ND	0.10	0.05	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2149354-5	**Date Collected**	: 11/24/25 12:40
Client ID	: MW-27SDUP	**Date Received**	: 11/24/25
Sample Location	:	**Date Analyzed**	: 12/04/25 08:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3251204-B2	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	ND	0.10	0.05	U

Sample Raw Data

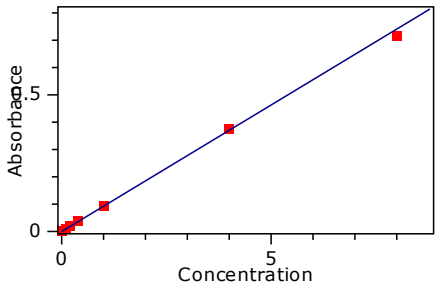
Graphical report generated by FIAsoft v3.1.10
Report generated on 2025-12-04 07:59:05
Data file (.dat): C:\FIAlab\Autosave Data\2025-12-04-075836.dat

Dataset Notes:

Analyst	

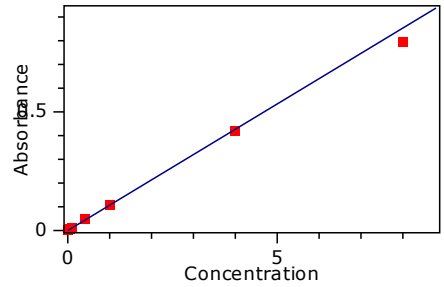
Dataset Notes Table Location: C:\FIAlab\FIAlab User Files\Tables\Dataset Notes\Analyst.csv

Calibrations:



Channel: 1-NOx
Fit_Order: 1
Weighting: 1/response
Standard relation
Coefficients:
A: -0.00032
B: 0.09264
R^2: 0.99957
RSE(%): 2.57394
% Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
2	NOx 8.0ppm	0.71670	8.00000	7.73990	3.25	2025-12-04T03:08:44
3	NOx 4.0ppm	0.37430	4.00000	4.04390	1.10	2025-12-04T03:09:53
4	NOx 1.0ppm	0.09200	1.00000	0.99680	0.32	2025-12-04T03:11:00
5	NOx 0.4ppm	0.03810	0.40000	0.41500	3.74	2025-12-04T03:12:07
6	NOx 0.2ppm	0.01820	0.20000	0.20010	0.05	2025-12-04T03:13:17
7	NOx 0.1ppm	0.00890	0.10000	0.09920	0.79	2025-12-04T03:14:27
8	NOx 0.0ppm	0.00010	0.00000	0.00490	NA	2025-12-04T03:15:38



Channel: 2-NO2
Fit_Order: 1
Weighting: 1/response
Standard relation
Coefficients:
A: 0.00004
B: 0.10667
R^2: 0.99935
RSE(%): 6.22335
% Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
9	Nitrite 8.0ppm	0.79540	8.00000	7.45580	6.80	2025-12-04T03:16:35
10	Nitrite 4.0ppm	0.41910	4.00000	3.92850	1.79	2025-12-04T03:17:45
11	Nitrite 1.0ppm	0.10800	1.00000	1.01230	1.23	2025-12-04T03:18:51
12	Nitrite 0.4ppm	0.04640	0.40000	0.43510	8.78	2025-12-04T03:20:01
13	Nitrite 0.1ppm	0.01120	0.10000	0.10440	4.38	2025-12-04T03:21:11
14	Nitrite 0.05ppm	0.00520	0.05000	0.04860	2.79	2025-12-04T03:22:21
15	Nitrite 0.0ppm	0.00030	0.00000	0.00230	NA	2025-12-04T03:23:38

Results:

Channel: 1-NOx

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0003	1	1	1	0.0070		2025-12-04T03:07:28
NOx 8.0ppm	2	Standard	8	0.7167	1	1	1	7.7399		2025-12-04T03:08:44
NOx 4.0ppm	3	Standard	4	0.3743	1	1	1	4.0439		2025-12-04T03:09:53
NOx 1.0ppm	4	Standard	1	0.0920	1	1	1	0.9968		2025-12-04T03:11:00
NOx 0.4ppm	5	Standard	0.4	0.0381	1	1	1	0.4150		2025-12-04T03:12:07
NOx 0.2ppm	6	Standard	0.2	0.0182	1	1	1	0.2001		2025-12-04T03:13:17
NOx 0.1ppm	7	Standard	0.1	0.0089	1	1	1	0.0992		2025-12-04T03:14:27
NOx 0.0ppm	8	Standard	0	0.0001	1	1	1	0.0049		2025-12-04T03:15:38
Nitrite 8.0ppm	9	Standard	?	0.7252	1	1	1	7.8316	OVR	2025-12-04T03:16:47
Nitrite 4.0ppm	10	Standard	?	0.3778	1	1	1	4.0820		2025-12-04T03:17:56
Nitrite 1.0ppm	11	Standard	?	0.0953	1	1	1	1.0319		2025-12-04T03:19:04
Nitrite 0.4ppm	12	Standard	?	0.0396	1	1	1	0.4308		2025-12-04T03:20:12
Nitrite 0.1ppm	13	Standard	?	0.0094	1	1	1	0.1046		2025-12-04T03:21:22
Nitrite 0.05ppm	14	Standard	?	0.0047	1	1	1	0.0542		2025-12-04T03:22:31
Nitrite 0.0ppm	15	Standard	?	0.0002	1	1	1	0.0053		2025-12-04T03:23:41
CCV NO3	16	QC	1	0.0925	1	1	1	1.0014		2025-12-04T03:24:49
CCV NO2	17	QC	?	0.0958	1	1	1	1.0376		2025-12-04T03:25:55
CCB	18	QC	0	0.0001	1	1	1	0.0049		2025-12-04T03:27:05
ICV NO3 5.0	19	QC	5	0.4656	1	1	1	5.0299		2025-12-04T03:28:13
ICV NO2 5.0	20	QC	?	0.4730	1	1	1	5.1096		2025-12-04T03:29:22
ICV NO3 0.5	21	QC	0.5	0.0461	1	1	1	0.5015		2025-12-04T03:30:31
ICV NO2 0.5	22	QC	?	0.0476	1	1	1	0.5171		2025-12-04T03:31:39
ICB	23	QC	0	0.0000	1	1	1	0.0032		2025-12-04T03:32:47
Diluter CHK 8PPM	24	Unknown	?	0.1506	1	5	1	8.1460		2025-12-04T03:33:57
BLANK NO3	25	Unknown	?	-0.0001	1	1	1	0.0029		2025-12-04T03:34:39
LCS NO3	26	Unknown	?	0.4681	1	1	1	5.0561		2025-12-04T03:36:11
BLANK NO2	27	Unknown	?	-0.0001	1	1	1	0.0020		2025-12-04T03:36:51
LCS NO2	28	Unknown	?	0.4763	1	1	1	5.1444		2025-12-04T03:38:24
CCV NO3	29	QC	1	0.0931	1	1	1	1.0088		2025-12-04T03:39:29
CCV NO2	30	QC	?	0.0964	1	1	1	1.0444		2025-12-04T03:40:35
CCB	31	QC	0	0.0001	1	1	1	0.0047		2025-12-04T03:41:42
WG2149348-1	32	Unknown	?	0.0001	1	1	1	0.0043		2025-12-04T03:42:49

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2149348-2	33	Unknown	?	0.4759	1	1	1	5.1408		2025-12-04T03:43:57
WG2149349-1	34	Unknown	?	-0.0002	1	1	1	0.0012		2025-12-04T03:44:35
WG2149349-2	35	Unknown	?	0.4783	1	1	1	5.1661		2025-12-04T03:46:08
WG2149350-1	36	Unknown	?	-0.0002	1	1	1	0.0010		2025-12-04T03:46:47
WG2149350-2	37	Unknown	?	0.4688	1	1	1	5.0637		2025-12-04T03:48:19
WG2149351-1	38	Unknown	?	-0.0001	1	1	1	0.0024		2025-12-04T03:49:00
WG2149351-2	39	Unknown	?	0.4696	1	1	1	5.0722		2025-12-04T03:50:33
WG2149352-1	40	Unknown	?	-0.0001	1	1	1	0.0023		2025-12-04T03:51:13
WG2149352-2	41	Unknown	?	0.4702	1	1	1	5.0792		2025-12-04T03:52:46
CCV NO3	42	QC	1	0.0930	1	1	1	1.0069		2025-12-04T03:53:51
CCV NO2	43	QC	?	0.0968	1	1	1	1.0484		2025-12-04T03:54:57
CCB	44	QC	0	0.0002	1	1	1	0.0052		2025-12-04T03:56:05
WG2149353-1	45	Unknown	?	0.0001	1	1	1	0.0042		2025-12-04T03:57:11
WG2149353-2	46	Unknown	?	0.4685	1	1	1	5.0608		2025-12-04T03:58:22
WG2149354-1	47	Unknown	?	-0.0002	1	1	1	0.0016		2025-12-04T03:59:00
WG2149354-2	48	Unknown	?	0.4689	1	1	1	5.0654		2025-12-04T04:00:33
WG2149355-1	49	Unknown	?	-0.0002	1	1	1	0.0012		2025-12-04T04:01:11
WG2149355-2	50	Unknown	?	0.4695	1	1	1	5.0711		2025-12-04T04:02:43
L2574462-01F	51	Unknown	?	0.0444	1	1	1	0.4831		2025-12-04T04:03:48
L2576432-01G	52	Unknown	?	0.1349	1	1	1	1.4598		2025-12-04T04:04:52
L2576432-02G	53	Unknown	?	0.1385	1	1	1	1.4987		2025-12-04T04:05:56
L2576432-03G	54	Unknown	?	0.0375	1	1	1	0.4079		2025-12-04T04:07:00
CCV NO3	55	QC	1	0.0951	1	1	1	1.0305		2025-12-04T04:08:05
CCV NO2	56	QC	?	0.0968	1	1	1	1.0485		2025-12-04T04:09:10
CCB	57	QC	0	0.0002	1	1	1	0.0056		2025-12-04T04:10:20
L2576432-04G	58	Unknown	?	0.2376	1	1	1	2.5678		2025-12-04T04:11:30
L2576432-05G	59	Unknown	?	0.3763	1	1	1	4.0653		2025-12-04T04:12:39
L2576432-06G	60	Unknown	?	0.0922	1	1	1	0.9989		2025-12-04T04:13:46
L2576432-07G	61	Unknown	?	0.5431	1	1	1	5.8658		2025-12-04T04:14:53
L2576432-08G	62	Unknown	?	0.7884	1	1	1	8.5144	OVR	2025-12-04T04:15:59
L2576432-09G	63	Unknown	?	0.6761	1	1	1	7.3014		2025-12-04T04:17:04
L2576432-10G	64	Unknown	?	0.6821	1	1	1	7.3659		2025-12-04T04:18:10
L2576483-01A	65	Unknown	?	0.6665	1	1	1	7.1983		2025-12-04T04:19:16

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2576696-08I	66	Unknown	?	0.0042	1	1	1	0.0492		2025-12-04T04:20:22
L2576696-09I	67	Unknown	?	0.1416	1	1	1	1.5321		2025-12-04T04:21:27
CCV NO3	68	QC	1	0.0941	1	1	1	1.0197		2025-12-04T04:22:31
CCV NO2	69	QC	?	0.0965	1	1	1	1.0454		2025-12-04T04:23:36
CCB	70	QC	0	0.0000	1	1	1	0.0038		2025-12-04T04:24:45
L2576718-01B	71	Unknown	?	0.0110	1	1	1	0.1225		2025-12-04T04:25:53
WG2149350-3	72	Unknown	?	0.0090	1	1	1	0.1008		2025-12-04T04:26:58
WG2149350-4	73	Unknown	?	0.4146	1	1	1	4.4793		2025-12-04T04:28:02
WG2149348-3	74	Unknown	?	0.0091	1	1	1	0.1021		2025-12-04T04:29:07
WG2149348-4	75	Unknown	?	0.5353	1	1	1	5.7822		2025-12-04T04:30:10
L2576721-01B	76	Unknown	?	0.6271	1	1	1	6.7722		2025-12-04T04:31:16
WG2149350-5	77	Unknown	?	0.6252	1	1	1	6.7526		2025-12-04T04:32:23
WG2149350-6	78	Unknown	?	0.9444	1	1	1	10.1983	OVR	2025-12-04T04:33:29
WG2149348-5	79	Unknown	?	0.6241	1	1	1	6.7404		2025-12-04T04:34:36
WG2149348-6	80	Unknown	?	1.0090	1	1	1	10.8949	OVR	2025-12-04T04:35:42
CCV NO3	81	QC	1	0.0880	1	1	1	0.9533		2025-12-04T04:36:48
CCV NO2	82	QC	?	0.0968	1	1	1	1.0488		2025-12-04T04:37:53
CCB	83	QC	0	0.0001	1	1	1	0.0044		2025-12-04T04:39:02
L2576723-01B	84	Unknown	?	0.8243	1	1	1	8.9011	OVR	2025-12-04T04:40:13
L2576729-01B	85	Unknown	?	1.3235	1	1	1	14.2897	OVR	2025-12-04T04:41:24
L2576732-01B	86	Unknown	?	1.3053	1	1	1	14.0935	OVR	2025-12-04T04:42:32
L2576363-01A	87	Unknown	?	-0.0018	1	1	1	-0.0155		2025-12-04T04:43:03
L2576529-01A	88	Unknown	?	0.0030	1	1	1	0.0362		2025-12-04T04:44:35
L2576529-02A	89	Unknown	?	0.0296	1	1	1	0.3224		2025-12-04T04:45:42
L2576529-03A	90	Unknown	?	0.0082	1	1	1	0.0920		2025-12-04T04:46:50
L2576529-04A	91	Unknown	?	0.0077	1	1	1	0.0860		2025-12-04T04:47:50
L2576529-05A	92	Unknown	?	0.0155	1	1	1	0.1703		2025-12-04T04:48:54
L2576795-01G	93	Unknown	?	0.0104	1	1	1	0.1161		2025-12-04T04:49:58
CCV NO3	94	QC	1	0.0929	1	1	1	1.0062		2025-12-04T04:51:02
CCV NO2	95	QC	?	0.0950	1	1	1	1.0289		2025-12-04T04:52:07
CCB	96	QC	0	0.0000	1	1	1	0.0038		2025-12-04T04:53:17
WG2149352-3	97	Unknown	?	0.0070	1	1	1	0.0785		2025-12-04T04:54:27
WG2149352-4	98	Unknown	?	0.4239	1	1	1	4.5792		2025-12-04T04:55:36

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2149349-3	99	Unknown	?	0.0046	1	1	1	0.0532		2025-12-04T04:56:43
WG2149349-4	100	Unknown	?	0.5085	1	1	1	5.4930		2025-12-04T04:57:49
L2576795-03G	101	Unknown	?	0.0416	1	1	1	0.4529		2025-12-04T04:58:55
L2576795-04G	102	Unknown	?	0.0115	1	1	1	0.1271		2025-12-04T05:00:01
L2576795-05G	103	Unknown	?	0.0187	1	1	1	0.2053		2025-12-04T05:01:07
L2576431-01G	104	Unknown	?	0.2132	1	1	1	2.3047		2025-12-04T05:02:12
WG2149351-3	105	Unknown	?	0.2106	1	1	1	2.2763		2025-12-04T05:03:18
WG2149351-4	106	Unknown	?	0.5747	1	1	1	6.2066		2025-12-04T05:04:23
CCV NO3	107	QC	1	0.0884	1	1	1	0.9574		2025-12-04T05:05:27
CCV NO2	108	QC	?	0.0958	1	1	1	1.0376		2025-12-04T05:06:33
CCB	109	QC	0	-0.0001	1	1	1	0.0029		2025-12-04T05:07:20
L2576431-02G	110	Unknown	?	0.1562	1	1	1	1.6899		2025-12-04T05:08:52
L2576431-03G	111	Unknown	?	0.5763	1	1	1	6.2247		2025-12-04T05:09:58
L2576431-04G	112	Unknown	?	0.2126	1	1	1	2.2984		2025-12-04T05:11:03
L2576691-01A	113	Unknown	?	0.0094	1	1	1	0.1044		2025-12-04T05:12:07
L2576691-02A	114	Unknown	?	0.7569	1	1	1	8.1735	OVR	2025-12-04T05:13:12
L2576691-03A	115	Unknown	?	1.2676	1	1	1	13.6865	OVR	2025-12-04T05:14:17
L2576691-04A	116	Unknown	?	0.0065	1	1	1	0.0738		2025-12-04T05:15:24
L2576387-02J	117	Unknown	?	0.0023	1	1	1	0.0282		2025-12-04T05:16:30
L2576387-03J	118	Unknown	?	0.0027	1	1	1	0.0328		2025-12-04T05:17:37
L2576387-05J	119	Unknown	?	0.0033	1	1	1	0.0395		2025-12-04T05:18:43
CCV NO3	120	QC	1	0.0946	1	1	1	1.0245		2025-12-04T05:19:48
CCV NO2	121	QC	?	0.0956	1	1	1	1.0354		2025-12-04T05:20:54
CCB	122	QC	0	0.0000	1	1	1	0.0034		2025-12-04T05:21:38
L2576387-07J	123	Unknown	?	0.0102	1	1	1	0.1131		2025-12-04T05:23:10
L2576387-09J	124	Unknown	?	0.0133	1	1	1	0.1473		2025-12-04T05:24:16
L2576387-10J1	125	Unknown	?	0.0035	1	1	1	0.0413		2025-12-04T05:25:22
WG2149353-3	126	Unknown	?	0.0004	1	1	1	0.0082		2025-12-04T05:26:27
WG2149353-4	127	Unknown	?	0.3928	1	1	1	4.2433		2025-12-04T05:27:32
L2576387-11J	128	Unknown	?	-0.0003	1	1	1	0.0002		2025-12-04T05:28:11
L2576432-09G	129	Unknown	?	0.6793	1	1	1	7.3362		2025-12-04T05:29:43
L2576363-01A	130	Unknown	?	-0.0005	1	1	1	-0.0014		2025-12-04T05:30:21
L2576809-01J	131	Unknown	?	0.2614	1	1	1	2.8255		2025-12-04T05:31:54

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2576809-02J	132	Unknown	?	0.0048	1	1	1	0.0547		2025-12-04T05:32:58
CCV NO3	133	QC	1	0.0942	1	1	1	1.0203		2025-12-04T05:34:03
CCV NO2	134	QC	?	0.0958	1	1	1	1.0379		2025-12-04T05:35:08
CCB	135	QC	0	0.0000	1	1	1	0.0032		2025-12-04T05:35:55
L2576809-03J	136	Unknown	?	0.4068	1	1	1	4.3944		2025-12-04T05:37:28
L2576809-04J	137	Unknown	?	0.2339	1	1	1	2.5287		2025-12-04T05:38:34
L2576809-05J	138	Unknown	?	0.1745	1	1	1	1.8874		2025-12-04T05:39:40
WG2149351-5	139	Unknown	?	0.1710	1	1	1	1.8495		2025-12-04T05:40:47
WG2149351-6	140	Unknown	?	0.5545	1	1	1	5.9887		2025-12-04T05:41:54
WG2149348-7	141	Unknown	?	0.1682	1	1	1	1.8191		2025-12-04T05:43:00
WG2149348-8	142	Unknown	?	0.6461	1	1	1	6.9783		2025-12-04T05:44:06
L2576809-06J	143	Unknown	?	0.0038	1	1	1	0.0440		2025-12-04T05:45:15
L2576809-07J	144	Unknown	?	0.1615	1	1	1	1.7469		2025-12-04T05:46:18
L2576691-04A	145	Unknown	?	0.0171	1	1	1	0.1879		2025-12-04T05:47:24
CCV NO3	146	QC	1	0.0935	1	1	1	1.0132		2025-12-04T05:48:30
CCV NO2	147	QC	?	0.0954	1	1	1	1.0337		2025-12-04T05:49:35
CCB	148	QC	0	0.0000	1	1	1	0.0034		2025-12-04T05:50:22
L2574193-01B	149	Unknown	?	0.0305	1	1	1	0.3330		2025-12-04T05:51:55
WG2149355-3	150	Unknown	?	0.0264	1	1	1	0.2889		2025-12-04T05:53:02
WG2149355-4	151	Unknown	?	0.4027	1	1	1	4.3504		2025-12-04T05:54:07
L2575025-01B	152	Unknown	?	0.0419	1	1	1	0.4560		2025-12-04T05:55:13
L2575025-02B	153	Unknown	?	0.0051	1	1	1	0.0585		2025-12-04T05:56:18
L2573887-01B	154	Unknown	?	0.2340	1	1	1	2.5293		2025-12-04T05:57:24
L2573887-02B	155	Unknown	?	0.0018	1	1	1	0.0227		2025-12-04T05:58:29
L2573887-03B	156	Unknown	?	0.2098	1	1	1	2.2686		2025-12-04T05:59:34
L2573887-04B	157	Unknown	?	0.0842	1	1	1	0.9125		2025-12-04T06:00:41
L2573887-05C	158	Unknown	?	0.0818	1	1	1	0.8868		2025-12-04T06:01:47
CCV NO3	159	QC	1	0.0944	1	1	1	1.0223		2025-12-04T06:02:52
CCV NO2	160	QC	?	0.0968	1	1	1	1.0478		2025-12-04T06:03:58
CCB	161	QC	0	0.0003	1	1	1	0.0062		2025-12-04T06:05:07
L2573887-06C	162	Unknown	?	0.0839	1	1	1	0.9093		2025-12-04T06:06:19
L2573887-07B	163	Unknown	?	0.1316	1	1	1	1.4241		2025-12-04T06:07:28
L2573887-08C	164	Unknown	?	0.2256	1	1	1	2.4383		2025-12-04T06:08:34

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2573887-09C	165	Unknown	?	0.2332	1	1	1	2.5206		2025-12-04T06:09:40
L2573887-10C	166	Unknown	?	0.1675	1	1	1	1.8111		2025-12-04T06:10:46
L2573887-11B	167	Unknown	?	0.0870	1	1	1	0.9426		2025-12-04T06:11:51
CCV NO3	168	QC	1	0.0927	1	1	1	1.0039		2025-12-04T06:12:56
CCV NO2	169	QC	?	0.0959	1	1	1	1.0388		2025-12-04T06:14:02
CCB	170	QC	0	0.0000	1	1	1	0.0032		2025-12-04T06:14:46
spacer	171	Unknown	?	0.0000	1	1	1	0.0037		2025-12-04T06:36:40
spacer	172	Unknown	?	0.0008	1	1	1	0.0121		2025-12-04T06:37:24
L2576432-08G	173	Unknown	?	0.0833	1	10	1	9.0290		2025-12-04T06:38:31
WG2149350-6	174	Unknown	?	0.1040	1	10	1	11.2560		2025-12-04T06:39:39
WG2149348-6	175	Unknown	?	0.1143	1	10	1	12.3690		2025-12-04T06:40:47
L2576723-01B	176	Unknown	?	0.0876	1	10	1	9.4880		2025-12-04T06:41:56
L2576729-01B	177	Unknown	?	0.2662	1	10	1	28.7670		2025-12-04T06:43:05
L2576732-01B	178	Unknown	?	0.3374	1	10	1	36.4536		2025-12-04T06:44:13
L2576691-02A	179	Unknown	?	0.0787	1	10	1	8.5262		2025-12-04T06:45:21
L2576691-03A	180	Unknown	?	0.1785	1	10	1	19.2974		2025-12-04T06:46:30
CCV NO3	181	QC	1	0.0926	1	1	1	1.0027		2025-12-04T06:47:36
CCV NO2	182	QC	?	0.0962	1	1	1	1.0422		2025-12-04T06:48:41
CCB	183	QC	0	0.0000	1	1	1	0.0030		2025-12-04T06:49:26

Channel: 2-NO2

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	0.0005		2025-12-04T03:07:33
NOx 8.0ppm	2	Standard	?	0.0001	1	1	1	0.0005		2025-12-04T03:08:41
NOx 4.0ppm	3	Standard	?	0.0001	1	1	1	0.0006		2025-12-04T03:09:42
NOx 1.0ppm	4	Standard	?	0.0001	1	1	1	0.0010		2025-12-04T03:10:45
NOx 0.4ppm	5	Standard	?	0.0001	1	1	1	0.0003		2025-12-04T03:12:00
NOx 0.2ppm	6	Standard	?	0.0001	1	1	1	0.0004		2025-12-04T03:13:16
NOx 0.1ppm	7	Standard	?	0.0000	1	1	1	0.0000		2025-12-04T03:14:29
NOx 0.0ppm	8	Standard	?	0.0001	1	1	1	0.0008		2025-12-04T03:15:24
Nitrite 8.0ppm	9	Standard	8	0.7954	1	1	1	7.4558		2025-12-04T03:16:35
Nitrite 4.0ppm	10	Standard	4	0.4191	1	1	1	3.9285		2025-12-04T03:17:45
Nitrite 1.0ppm	11	Standard	1	0.1080	1	1	1	1.0123		2025-12-04T03:18:51
Nitrite	12	Standard	0.4	0.0464	1	1	1	0.4351		2025-12-

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
0.4ppm										04T03:20:01
Nitrite 0.1ppm	13	Standard	0.1	0.0112	1	1	1	0.1044		2025-12-04T03:21:11
Nitrite 0.05ppm	14	Standard	0.05	0.0052	1	1	1	0.0486		2025-12-04T03:22:21
Nitrite 0.0ppm	15	Standard	0	0.0003	1	1	1	0.0023		2025-12-04T03:23:38
CCV NO3	16	QC	?	0.0003	1	1	1	0.0022		2025-12-04T03:24:39
CCV NO2	17	QC	1	0.1062	1	1	1	0.9956		2025-12-04T03:25:42
CCB	18	QC	0	0.0015	1	1	1	0.0136		2025-12-04T03:26:58
ICV NO3 5.0	19	QC	?	0.0007	1	1	1	0.0059		2025-12-04T03:28:12
ICV NO2 5.0	20	QC	5	0.5238	1	1	1	4.9103		2025-12-04T03:29:10
ICV NO3 0.5	21	QC	?	0.0033	1	1	1	0.0302		2025-12-04T03:30:25
ICV NO2 0.5	22	QC	0.5	0.0542	1	1	1	0.5076		2025-12-04T03:31:28
ICB	23	QC	0	0.0007	1	1	1	0.0058		2025-12-04T03:32:40
Diluter CHK 8PPM	24	Unknown	?	0.0004	1	5	1	0.0157		2025-12-04T03:33:53
BLANK NO3	25	Unknown	?	0.0001	1	1	1	0.0006		2025-12-04T03:34:58
LCS NO3	26	Unknown	?	0.0001	1	1	1	0.0007		2025-12-04T03:36:06
BLANK NO2	27	Unknown	?	0.0001	1	1	1	0.0006		2025-12-04T03:37:12
LCS NO2	28	Unknown	?	0.5220	1	1	1	4.8934		2025-12-04T03:38:11
CCV NO3	29	QC	?	0.0042	1	1	1	0.0388		2025-12-04T03:39:23
CCV NO2	30	QC	1	0.1065	1	1	1	0.9976		2025-12-04T03:40:22
CCB	31	QC	0	0.0016	1	1	1	0.0147		2025-12-04T03:41:37
WG2149348-1	32	Unknown	?	0.0004	1	1	1	0.0030		2025-12-04T03:42:45
WG2149348-2	33	Unknown	?	0.5221	1	1	1	4.8945		2025-12-04T03:43:44
WG2149349-1	34	Unknown	?	0.0029	1	1	1	0.0268		2025-12-04T03:44:56
WG2149349-2	35	Unknown	?	0.5216	1	1	1	4.8897		2025-12-04T03:45:55
WG2149350-1	36	Unknown	?	0.0035	1	1	1	0.0329		2025-12-04T03:47:05
WG2149350-2	37	Unknown	?	0.0013	1	1	1	0.0119		2025-12-04T03:48:16
WG2149351-1	38	Unknown	?	0.0001	1	1	1	0.0010		2025-12-04T03:49:15
WG2149351-2	39	Unknown	?	0.0002	1	1	1	0.0014		2025-12-04T03:50:28
WG2149352-1	40	Unknown	?	0.0001	1	1	1	0.0003		2025-12-04T03:51:26
WG2149352-2	41	Unknown	?	0.0001	1	1	1	0.0008		2025-12-04T03:52:40
CCV NO3	42	QC	?	0.0002	1	1	1	0.0013		2025-12-04T03:53:42
CCV NO2	43	QC	1	0.1067	1	1	1	0.9997		2025-12-04T03:54:44
CCB	44	QC	0	0.0014	1	1	1	0.0131		2025-12-04T03:56:00

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2149353-1	45	Unknown	?	0.0001	1	1	1	0.0010		2025-12-04T03:57:11
WG2149353-2	46	Unknown	?	0.0002	1	1	1	0.0012		2025-12-04T03:58:20
WG2149354-1	47	Unknown	?	0.0023	1	1	1	0.0215		2025-12-04T03:59:25
WG2149354-2	48	Unknown	?	0.0001	1	1	1	0.0006		2025-12-04T04:00:06
WG2149355-1	49	Unknown	?	0.0000	1	1	1	0.0001		2025-12-04T04:01:25
WG2149355-2	50	Unknown	?	0.0001	1	1	1	0.0007		2025-12-04T04:02:38
L2574462-01F	51	Unknown	?	0.0003	1	1	1	0.0022		2025-12-04T04:03:36
L2576432-01G	52	Unknown	?	0.0003	1	1	1	0.0021		2025-12-04T04:04:39
L2576432-02G	53	Unknown	?	0.0011	1	1	1	0.0103		2025-12-04T04:05:42
L2576432-03G	54	Unknown	?	0.0003	1	1	1	0.0029		2025-12-04T04:06:45
CCV NO3	55	QC	?	0.0002	1	1	1	0.0014		2025-12-04T04:07:56
CCV NO2	56	QC	1	0.1048	1	1	1	0.9817		2025-12-04T04:08:57
CCB	57	QC	0	0.0001	1	1	1	0.0010		2025-12-04T04:10:08
L2576432-04G	58	Unknown	?	0.0002	1	1	1	0.0019		2025-12-04T04:11:18
L2576432-05G	59	Unknown	?	0.0003	1	1	1	0.0024		2025-12-04T04:12:27
L2576432-06G	60	Unknown	?	0.0004	1	1	1	0.0036		2025-12-04T04:13:33
L2576432-07G	61	Unknown	?	0.0003	1	1	1	0.0024		2025-12-04T04:14:39
L2576432-08G	62	Unknown	?	0.0003	1	1	1	0.0024		2025-12-04T04:15:47
L2576432-09G	63	Unknown	?	0.0003	1	1	1	0.0023		2025-12-04T04:16:53
L2576432-10G	64	Unknown	?	0.0003	1	1	1	0.0027		2025-12-04T04:17:58
L2576483-01A	65	Unknown	?	0.0008	1	1	1	0.0074		2025-12-04T04:19:02
L2576696-08I	66	Unknown	?	0.0009	1	1	1	0.0078		2025-12-04T04:20:07
L2576696-09I	67	Unknown	?	0.0010	1	1	1	0.0092		2025-12-04T04:21:13
CCV NO3	68	QC	?	0.0001	1	1	1	0.0011		2025-12-04T04:22:22
CCV NO2	69	QC	1	0.1071	1	1	1	1.0040		2025-12-04T04:23:23
CCB	70	QC	0	0.0001	1	1	1	0.0010		2025-12-04T04:24:34
L2576718-01B	71	Unknown	?	0.0007	1	1	1	0.0063		2025-12-04T04:25:39
WG2149350-3	72	Unknown	?	0.0006	1	1	1	0.0055		2025-12-04T04:26:43
WG2149350-4	73	Unknown	?	0.0008	1	1	1	0.0068		2025-12-04T04:27:47
WG2149348-3	74	Unknown	?	0.0007	1	1	1	0.0066		2025-12-04T04:28:53
WG2149348-4	75	Unknown	?	0.5768	1	1	1	5.4064		2025-12-04T04:29:56
L2576721-01B	76	Unknown	?	0.0141	1	1	1	0.1318		2025-12-04T04:31:03
WG2149350-5	77	Unknown	?	0.0141	1	1	1	0.1316		2025-12-04T04:32:10

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2149350-6	78	Unknown	?	0.0141	1	1	1	0.1319		2025-12-04T04:33:16
WG2149348-5	79	Unknown	?	0.0142	1	1	1	0.1328		2025-12-04T04:34:23
WG2149348-6	80	Unknown	?	0.5641	1	1	1	5.2876		2025-12-04T04:35:28
CCV NO3	81	QC	?	0.0000	1	1	1	-0.0007		2025-12-04T04:36:21
CCV NO2	82	QC	1	0.1050	1	1	1	0.9842		2025-12-04T04:37:39
CCB	83	QC	0	0.0002	1	1	1	0.0014		2025-12-04T04:38:52
L2576723-01B	84	Unknown	?	0.0243	1	1	1	0.2271		2025-12-04T04:39:59
L2576729-01B	85	Unknown	?	0.0111	1	1	1	0.1038		2025-12-04T04:41:06
L2576732-01B	86	Unknown	?	0.0323	1	1	1	0.3021		2025-12-04T04:42:12
L2576363-01A	87	Unknown	?	0.0001	1	1	1	0.0004		2025-12-04T04:43:16
L2576529-01A	88	Unknown	?	0.0002	1	1	1	0.0012		2025-12-04T04:44:24
L2576529-02A	89	Unknown	?	0.0056	1	1	1	0.0519		2025-12-04T04:45:25
L2576529-03A	90	Unknown	?	0.0044	1	1	1	0.0408		2025-12-04T04:46:33
L2576529-04A	91	Unknown	?	0.0009	1	1	1	0.0083		2025-12-04T04:47:33
L2576529-05A	92	Unknown	?	0.0008	1	1	1	0.0074		2025-12-04T04:48:39
L2576795-01G	93	Unknown	?	0.0006	1	1	1	0.0049		2025-12-04T04:49:44
CCV NO3	94	QC	?	0.0001	1	1	1	0.0010		2025-12-04T04:50:49
CCV NO2	95	QC	1	0.1032	1	1	1	0.9675		2025-12-04T04:51:55
CCB	96	QC	0	0.0001	1	1	1	0.0011		2025-12-04T04:53:06
WG2149352-3	97	Unknown	?	0.0004	1	1	1	0.0035		2025-12-04T04:54:14
WG2149352-4	98	Unknown	?	0.0006	1	1	1	0.0049		2025-12-04T04:55:24
WG2149349-3	99	Unknown	?	0.0004	1	1	1	0.0035		2025-12-04T04:56:30
WG2149349-4	100	Unknown	?	0.5472	1	1	1	5.1295		2025-12-04T04:57:36
L2576795-03G	101	Unknown	?	0.0009	1	1	1	0.0081		2025-12-04T04:58:41
L2576795-04G	102	Unknown	?	0.0008	1	1	1	0.0068		2025-12-04T04:59:46
L2576795-05G	103	Unknown	?	0.0009	1	1	1	0.0084		2025-12-04T05:00:54
L2576431-01G	104	Unknown	?	0.0003	1	1	1	0.0023		2025-12-04T05:02:00
WG2149351-3	105	Unknown	?	0.0001	1	1	1	0.0009		2025-12-04T05:03:09
WG2149351-4	106	Unknown	?	0.0003	1	1	1	0.0022		2025-12-04T05:04:08
CCV NO3	107	QC	?	0.0002	1	1	1	0.0011		2025-12-04T05:05:16
CCV NO2	108	QC	1	0.1057	1	1	1	0.9907		2025-12-04T05:06:20
CCB	109	QC	0	0.0002	1	1	1	0.0012		2025-12-04T05:07:32
L2576431-02G	110	Unknown	?	0.0002	1	1	1	0.0019		2025-12-04T05:08:38

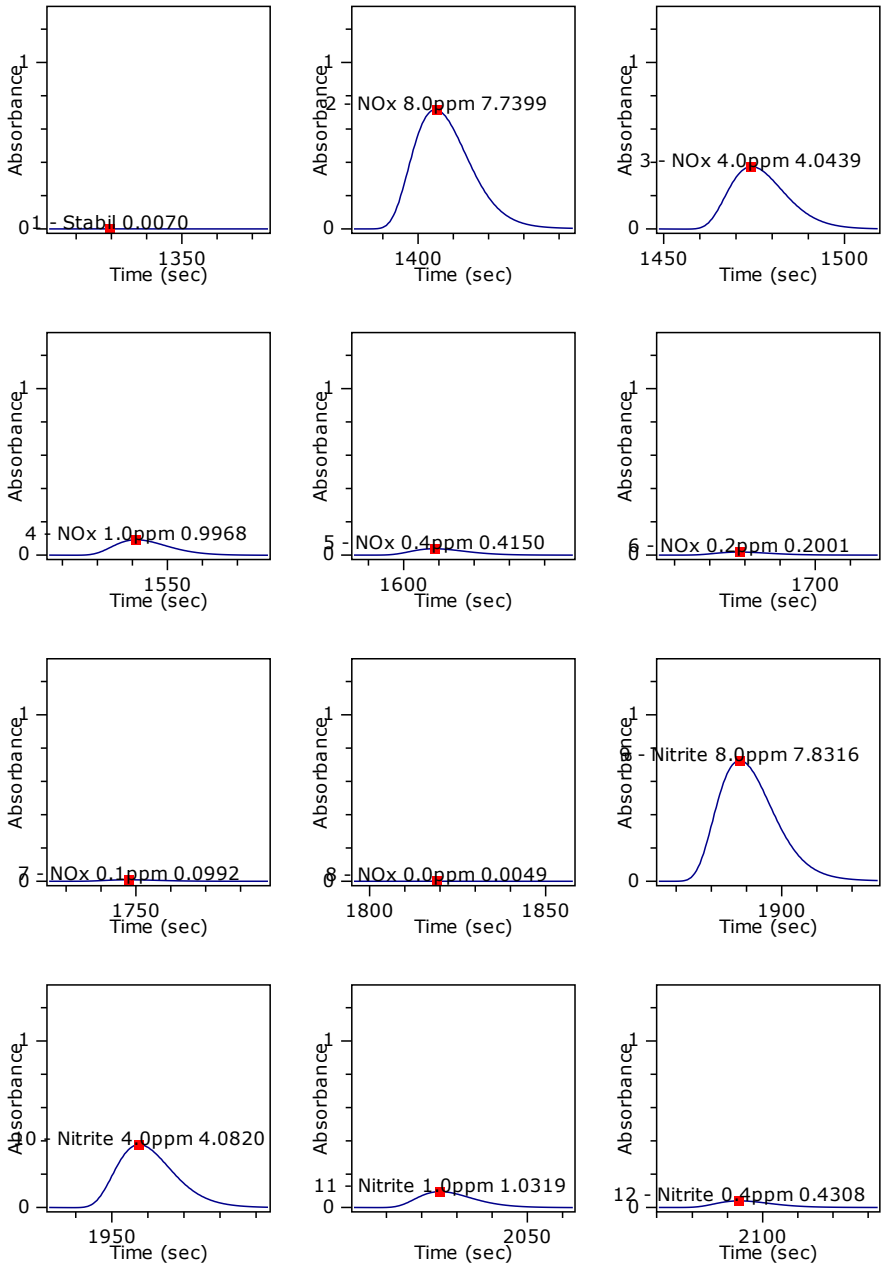
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2576431-03G	111	Unknown	?	0.0003	1	1	1	0.0023		2025-12-04T05:09:43
L2576431-04G	112	Unknown	?	0.0004	1	1	1	0.0032		2025-12-04T05:10:49
L2576691-01A	113	Unknown	?	0.0002	1	1	1	0.0011		2025-12-04T05:11:55
L2576691-02A	114	Unknown	?	0.0003	1	1	1	0.0024		2025-12-04T05:12:57
L2576691-03A	115	Unknown	?	0.0003	1	1	1	0.0027		2025-12-04T05:14:05
L2576691-04A	116	Unknown	?	0.0004	1	1	1	0.0037		2025-12-04T05:15:13
L2576387-02J	117	Unknown	?	0.0001	1	1	1	0.0010		2025-12-04T05:16:19
L2576387-03J	118	Unknown	?	0.0002	1	1	1	0.0013		2025-12-04T05:17:24
L2576387-05J	119	Unknown	?	0.0002	1	1	1	0.0013		2025-12-04T05:18:30
CCV NO3	120	QC	?	0.0002	1	1	1	0.0017		2025-12-04T05:19:39
CCV NO2	121	QC	1	0.1068	1	1	1	1.0004		2025-12-04T05:20:41
CCB	122	QC	0	0.0001	1	1	1	0.0009		2025-12-04T05:21:52
L2576387-07J	123	Unknown	?	0.0003	1	1	1	0.0023		2025-12-04T05:22:57
L2576387-09J	124	Unknown	?	0.0004	1	1	1	0.0035		2025-12-04T05:24:03
L2576387-10J1	125	Unknown	?	0.0002	1	1	1	0.0012		2025-12-04T05:25:10
WG2149353-3	126	Unknown	?	0.0001	1	1	1	0.0003		2025-12-04T05:26:12
WG2149353-4	127	Unknown	?	0.0001	1	1	1	0.0002		2025-12-04T05:27:18
L2576387-11J	128	Unknown	?	0.0001	1	1	1	0.0009		2025-12-04T05:28:21
L2576432-09G	129	Unknown	?	0.0002	1	1	1	0.0014		2025-12-04T05:29:33
L2576363-01A	130	Unknown	?	0.0002	1	1	1	0.0011		2025-12-04T05:30:35
L2576809-01J	131	Unknown	?	0.0002	1	1	1	0.0016		2025-12-04T05:31:39
L2576809-02J	132	Unknown	?	0.0005	1	1	1	0.0040		2025-12-04T05:32:43
CCV NO3	133	QC	?	0.0002	1	1	1	0.0012		2025-12-04T05:33:52
CCV NO2	134	QC	1	0.1043	1	1	1	0.9773		2025-12-04T05:34:55
CCB	135	QC	0	0.0001	1	1	1	0.0007		2025-12-04T05:36:05
L2576809-03J	136	Unknown	?	0.0066	1	1	1	0.0618		2025-12-04T05:37:14
L2576809-04J	137	Unknown	?	0.0003	1	1	1	0.0024		2025-12-04T05:38:21
L2576809-05J	138	Unknown	?	0.0002	1	1	1	0.0017		2025-12-04T05:39:30
WG2149351-5	139	Unknown	?	0.0005	1	1	1	0.0042		2025-12-04T05:40:42
WG2149351-6	140	Unknown	?	0.0001	1	1	1	0.0006		2025-12-04T05:41:43
WG2149348-7	141	Unknown	?	0.0001	1	1	1	0.0009		2025-12-04T05:42:53
WG2149348-8	142	Unknown	?	0.5293	1	1	1	4.9620		2025-12-04T05:43:53
L2576809-06J	143	Unknown	?	0.0048	1	1	1	0.0448		2025-12-04T05:44:59

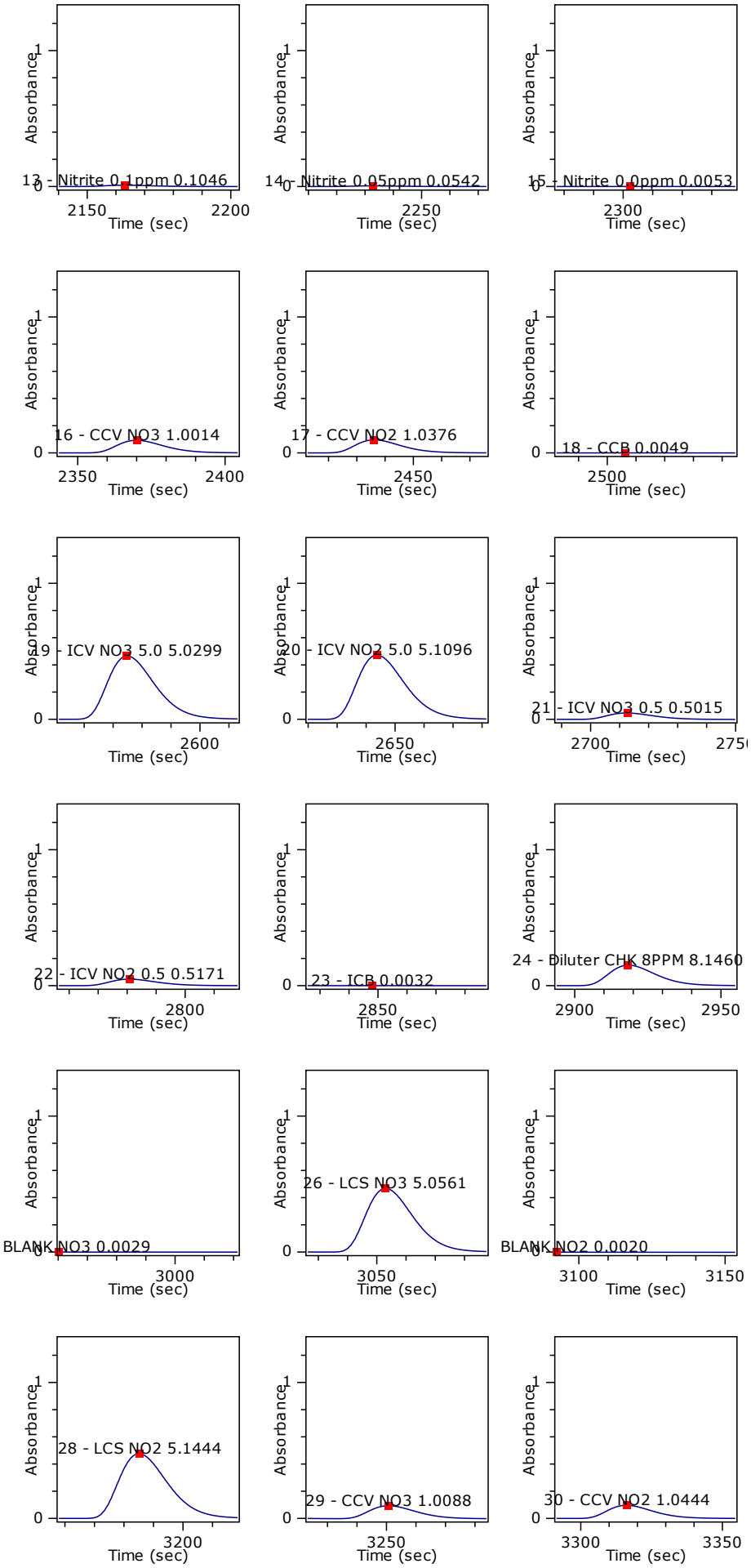
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2576809-07J	144	Unknown	?	0.0003	1	1	1	0.0029		2025-12-04T05:46:06
L2576691-04A	145	Unknown	?	0.0004	1	1	1	0.0039		2025-12-04T05:47:11
CCV NO3	146	QC	?	0.0002	1	1	1	0.0017		2025-12-04T05:48:21
CCV NO2	147	QC	1	0.1037	1	1	1	0.9722		2025-12-04T05:49:22
CCB	148	QC	0	0.0001	1	1	1	0.0007		2025-12-04T05:50:33
L2574193-01B	149	Unknown	?	0.0006	1	1	1	0.0052		2025-12-04T05:51:43
WG2149355-3	150	Unknown	?	0.0003	1	1	1	0.0029		2025-12-04T05:52:47
WG2149355-4	151	Unknown	?	0.0005	1	1	1	0.0047		2025-12-04T05:53:56
L2575025-01B	152	Unknown	?	0.0005	1	1	1	0.0039		2025-12-04T05:54:59
L2575025-02B	153	Unknown	?	0.0002	1	1	1	0.0013		2025-12-04T05:56:06
L2573887-01B	154	Unknown	?	0.0006	1	1	1	0.0053		2025-12-04T05:57:10
L2573887-02B	155	Unknown	?	0.0002	1	1	1	0.0019		2025-12-04T05:58:14
L2573887-03B	156	Unknown	?	0.0007	1	1	1	0.0066		2025-12-04T05:59:20
L2573887-04B	157	Unknown	?	0.0010	1	1	1	0.0087		2025-12-04T06:00:28
L2573887-05C	158	Unknown	?	0.0005	1	1	1	0.0044		2025-12-04T06:01:33
CCV NO3	159	QC	?	0.0002	1	1	1	0.0020		2025-12-04T06:02:45
CCV NO2	160	QC	1	0.1027	1	1	1	0.9623		2025-12-04T06:03:45
CCB	161	QC	0	0.0020	1	1	1	0.0180		2025-12-04T06:05:01
L2573887-06C	162	Unknown	?	0.0015	1	1	1	0.0142		2025-12-04T06:06:07
L2573887-07B	163	Unknown	?	0.0011	1	1	1	0.0096		2025-12-04T06:07:15
L2573887-08C	164	Unknown	?	0.0006	1	1	1	0.0048		2025-12-04T06:08:20
L2573887-09C	165	Unknown	?	0.0061	1	1	1	0.0565		2025-12-04T06:09:27
L2573887-10C	166	Unknown	?	0.0058	1	1	1	0.0539		2025-12-04T06:10:33
L2573887-11B	167	Unknown	?	0.0009	1	1	1	0.0085		2025-12-04T06:11:40
CCV NO3	168	QC	?	0.0003	1	1	1	0.0025		2025-12-04T06:12:41
CCV NO2	169	QC	1	0.1002	1	1	1	0.9391		2025-12-04T06:13:49
CCB	170	QC	0	0.0001	1	1	1	0.0006		2025-12-04T06:15:02
spacer	171	Unknown	?	0.0002	1	1	1	0.0013		2025-12-04T06:36:34
spacer	172	Unknown	?	0.0002	1	1	1	0.0016		2025-12-04T06:37:11
L2576432-08G	173	Unknown	?	0.0003	1	10	1	0.0222		2025-12-04T06:38:24
WG2149350-6	174	Unknown	?	0.0014	1	10	1	0.1316		2025-12-04T06:39:26
WG2149348-6	175	Unknown	?	0.0585	1	10	1	5.4766		2025-12-04T06:40:35
L2576723-01B	176	Unknown	?	0.0026	1	10	1	0.2441		2025-12-04T06:41:44

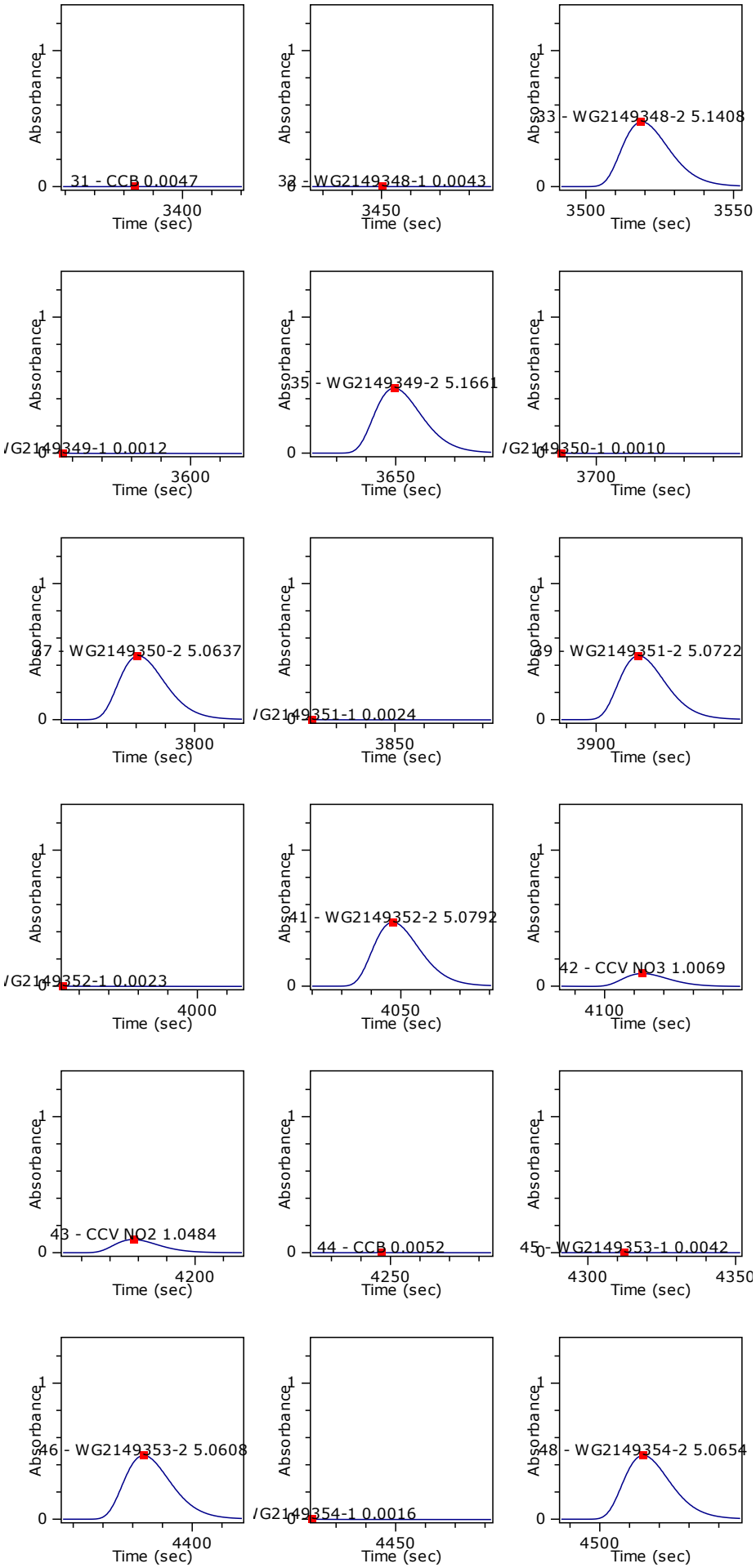
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2576729-01B	177	Unknown	?	0.0014	1	10	1	0.1248		2025-12-04T06:42:52
L2576732-01B	178	Unknown	?	0.0033	1	10	1	0.3042		2025-12-04T06:44:01
L2576691-02A	179	Unknown	?	0.0003	1	10	1	0.0245		2025-12-04T06:45:16
L2576691-03A	180	Unknown	?	0.0002	1	10	1	0.0136		2025-12-04T06:46:17
CCV NO3	181	QC	?	0.0002	1	1	1	0.0019		2025-12-04T06:47:25
CCV NO2	182	QC	1	0.1043	1	1	1	0.9775		2025-12-04T06:48:29
CCB	183	QC	0	0.0003	1	1	1	0.0020		2025-12-04T06:49:40

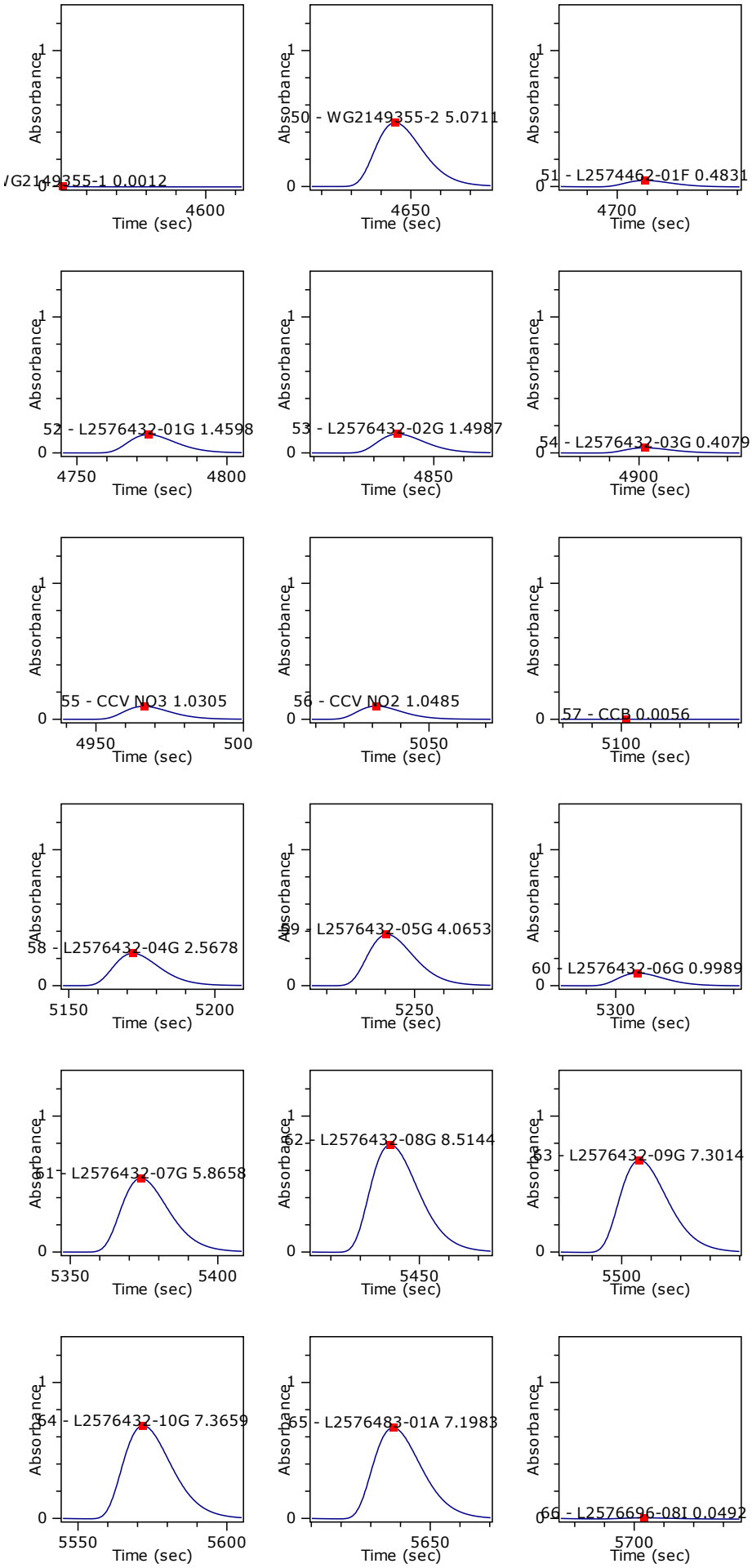
Peaks:

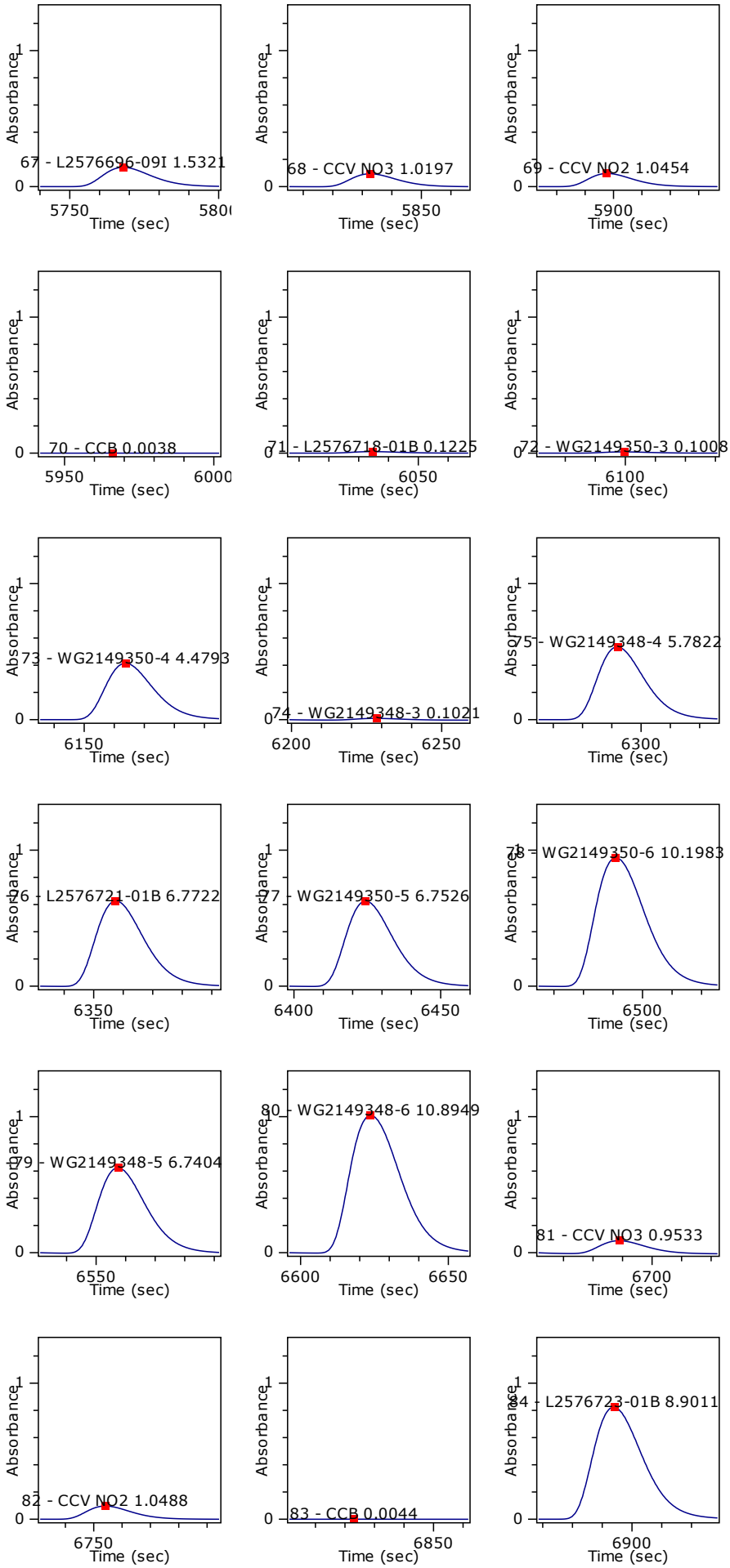
Channel: 1-NOx

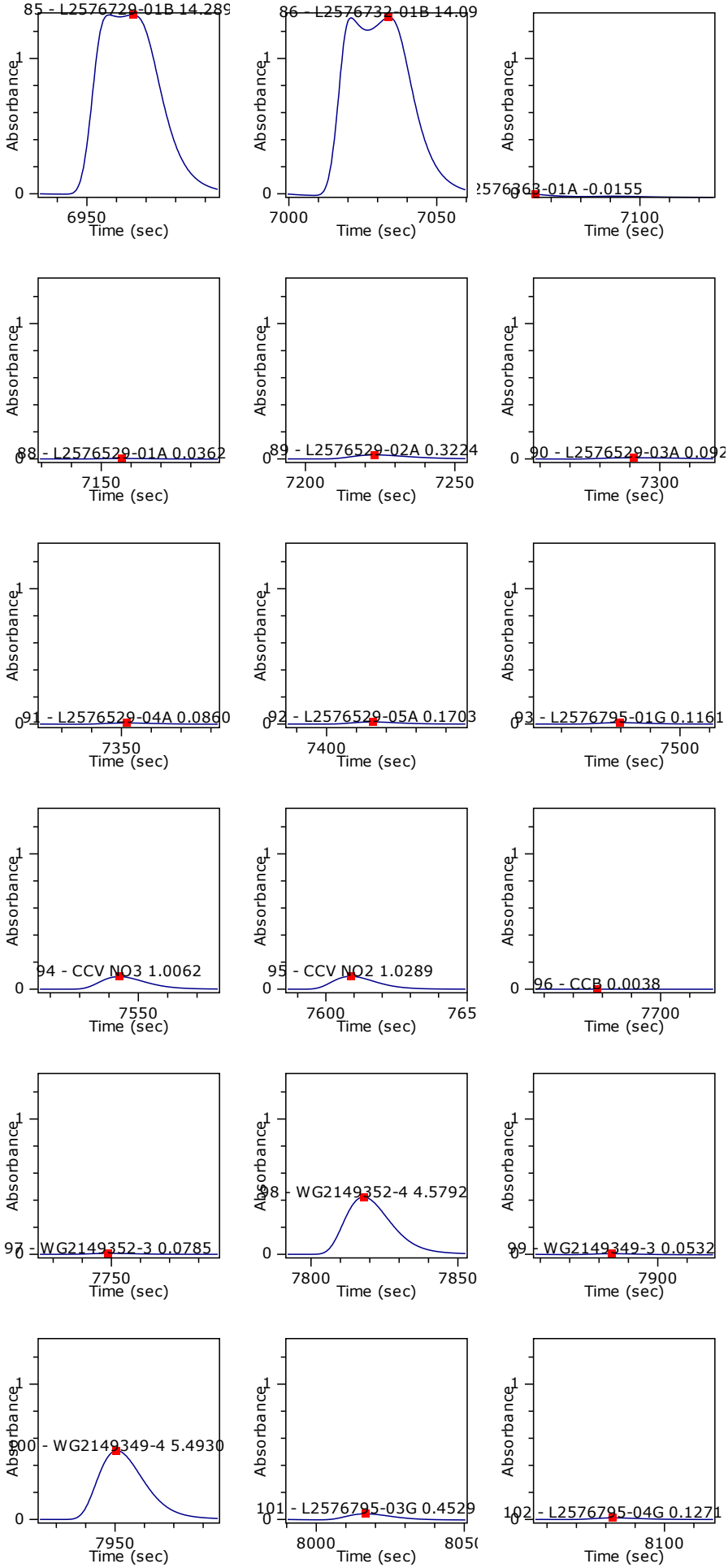


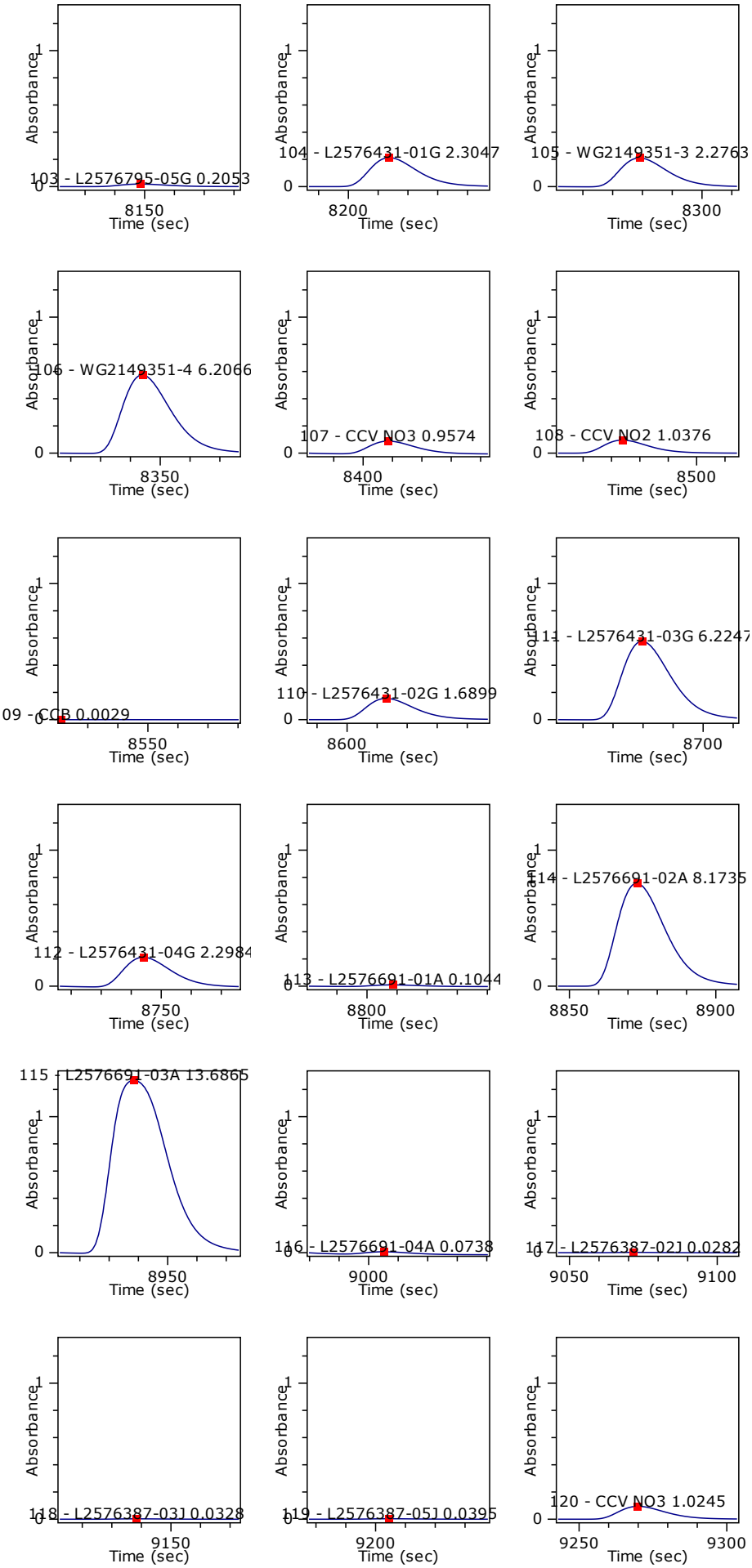

13 - Nitrite 0.1ppm 0.1046
14 - Nitrite 0.05ppm 0.0542
15 - Nitrite 0.0ppm 0.0053
16 - CCV NO3 1.0014
17 - CCV NO2 1.0376
18 - CCB 0.0049
19 - ICV NO3 5.0 5.0299
20 - ICV NO2 5.0 5.1096
21 - ICV NO3 0.5 0.5015
22 - ICV NO2 0.5 0.5171
23 - ICB 0.0032
24 - Diluter CHK 8PPM 8.1460
BLANK NO3 0.0029
26 - LCS NO3 5.0561
BLANK NO2 0.0020
28 - LCS NO2 5.1444
29 - CCV NO3 1.0088
30 - CCV NO2 1.0444
Absorbance
Time (sec)

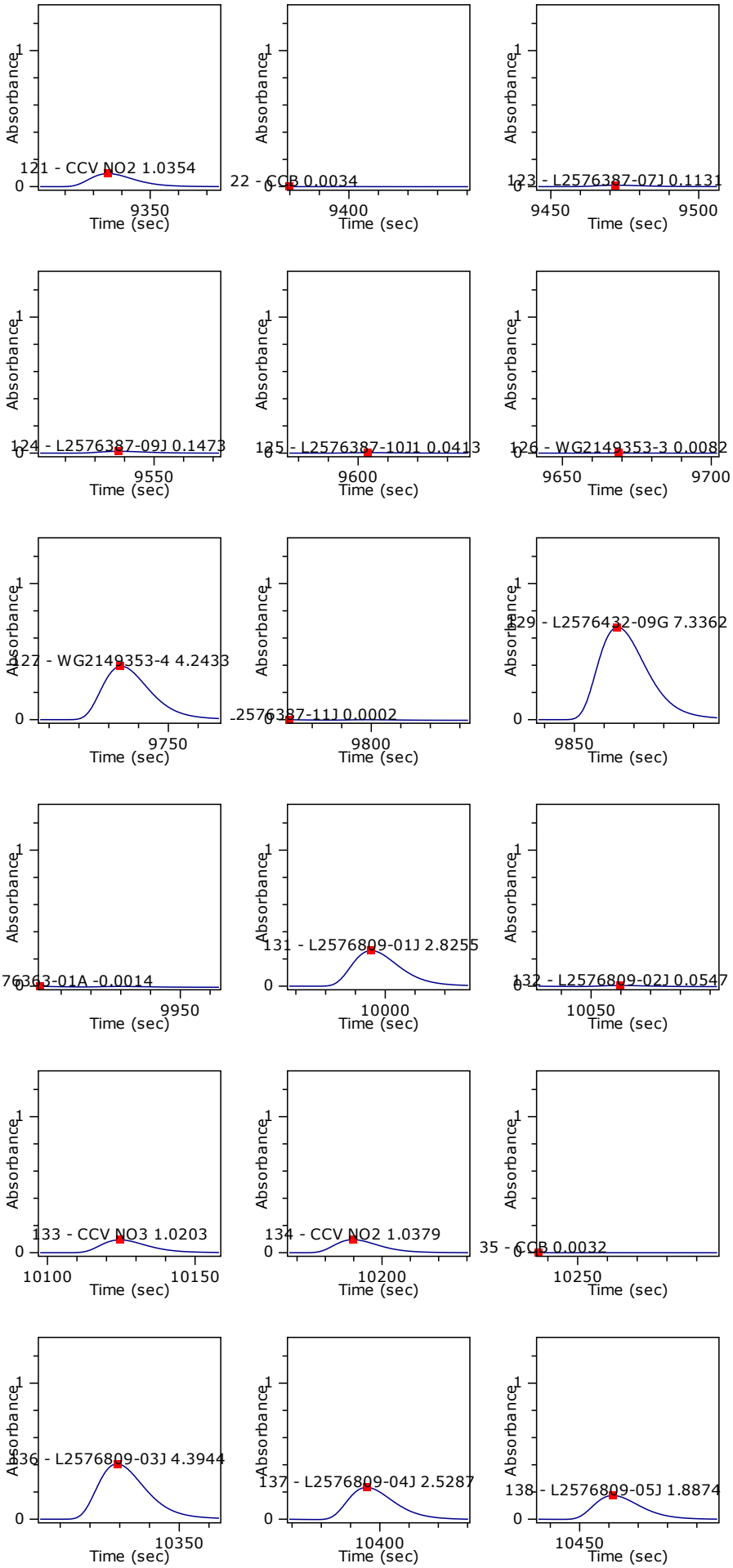

Absorbance
Time (sec)
31 - CCB 0.0047
32 - WG2149348-1 0.0043
33 - WG2149348-2 5.1408
/G2149349-1 0.0012
35 - WG2149349-2 5.1661
/G2149350-1 0.0010
37 - WG2149350-2 5.0637
/G2149351-1 0.0024
39 - WG2149351-2 5.0722
/G2149352-1 0.0023
41 - WG2149352-2 5.0792
42 - CCV NO3 1.0069
43 - CCV NO2 1.0484
44 - CCB 0.0052
45 - WG2149353-1 0.0042
46 - WG2149353-2 5.0608
/G2149354-1 0.0016
48 - WG2149354-2 5.0654

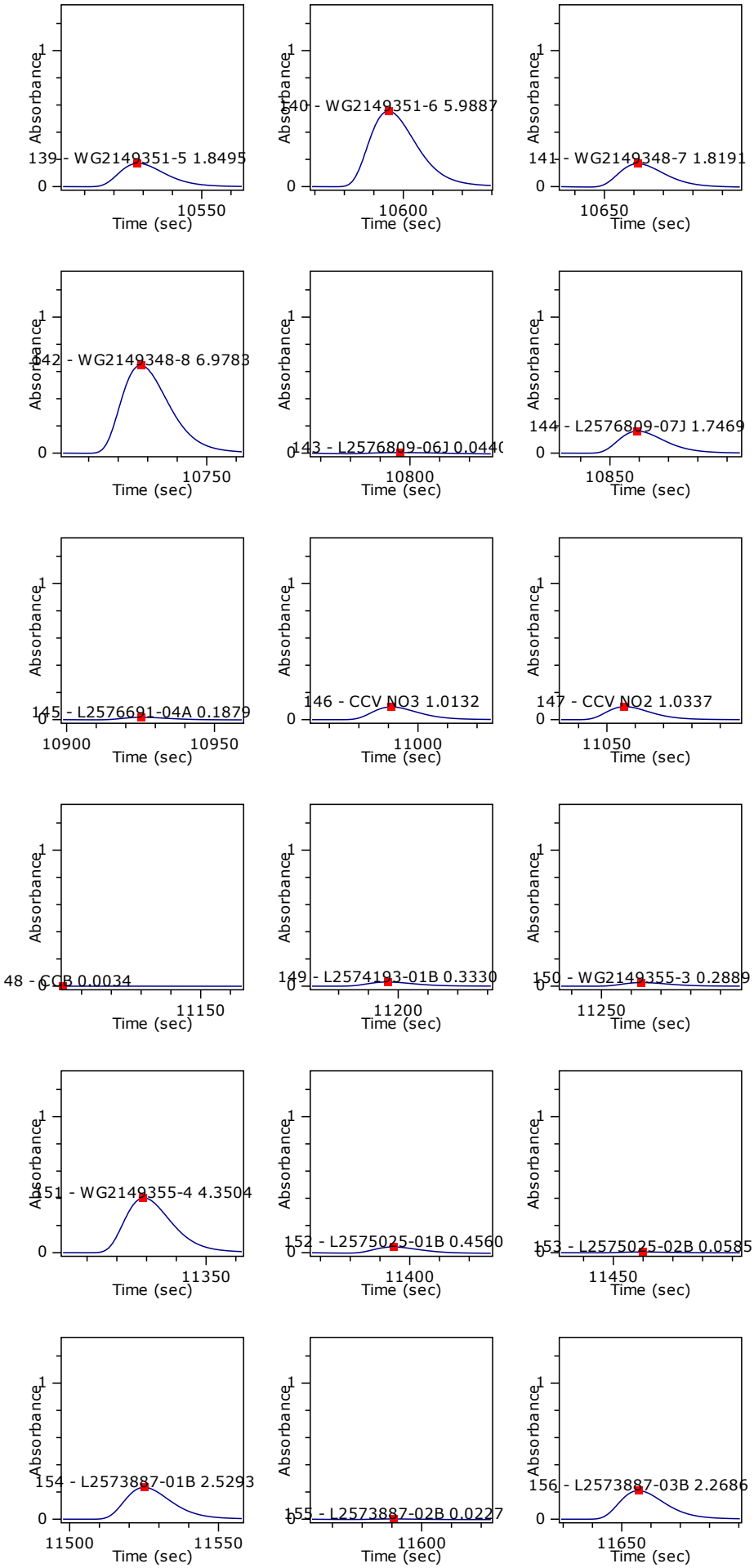

Absorbance
Time (sec)
/G2149355-1 0.0012
50 - WG2149355-2 5.0711
51 - L2574462-01F 0.4831
52 - L2576432-01G 1.4598
53 - L2576432-02G 1.4987
54 - L2576432-03G 0.4079
55 - CCV NO3 1.0305
56 - CCV NO2 1.0485
57 - CCB 0.0056
58 - L2576432-04G 2.5678
59 - L2576432-05G 4.0653
60 - L2576432-06G 0.9989
61 - L2576432-07G 5.8658
62 - L2576432-08G 8.5144
63 - L2576432-09G 7.3014
64 - L2576432-10G 7.3659
65 - L2576483-01A 7.1983
66 - L2576696-08I 0.0492

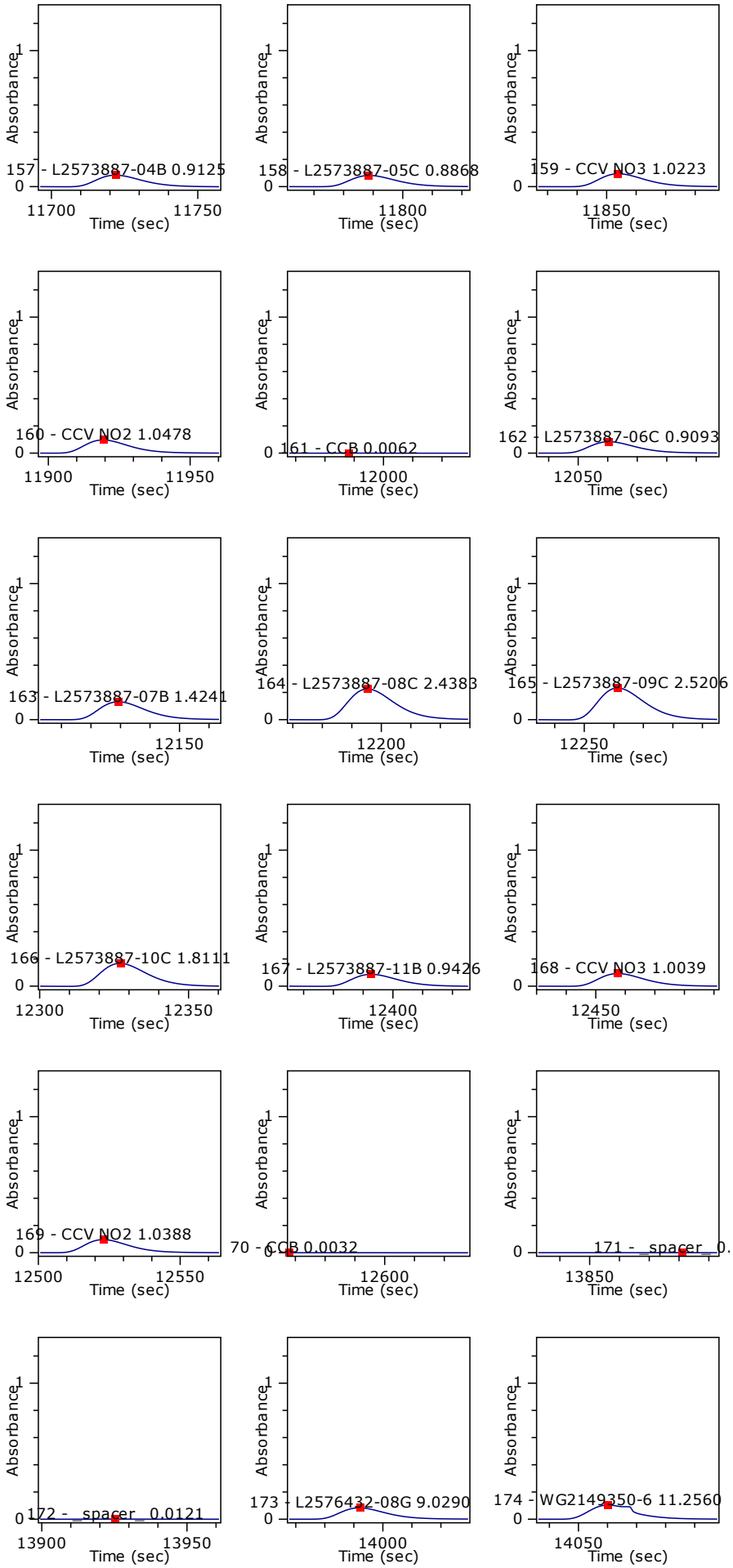

67 - L2576696-09I 1.5321
68 - CCV NO3 1.0197
69 - CCV NO2 1.0454
70 - CCB 0.0038
71 - L2576718-01B 0.1225
72 - WG2149350-3 0.1008
73 - WG2149350-4 4.4793
74 - WG2149348-3 0.1021
75 - WG2149348-4 5.7822
76 - L2576721-01B 6.7722
77 - WG2149350-5 6.7526
78 - WG2149350-6 10.1983
79 - WG2149348-5 6.7404
80 - WG2149348-6 10.8949
81 - CCV NO3 0.9533
82 - CCV NO2 1.0488
83 - CCB 0.0044
84 - L2576723-01B 8.9011
Absorbance
Time (sec)


85 - L2576729-01B 14.289
86 - L2576732-01B 14.09
2576363-01A -0.0155
88 - L2576529-01A 0.0362
89 - L2576529-02A 0.3224
90 - L2576529-03A 0.092
91 - L2576529-04A 0.0860
92 - L2576529-05A 0.1703
93 - L2576795-01G 0.1161
94 - CCV NO3 1.0062
95 - CCV NO2 1.0289
96 - CCB 0.0038
97 - WG2149352-3 0.0785
98 - WG2149352-4 4.5792
99 - WG2149349-3 0.0532
100 - WG2149349-4 5.4930
101 - L2576795-03G 0.4529
102 - L2576795-04G 0.1271
Absorbance
Time (sec)


Absorbance
Time (sec)
103 - L2576795-05G 0.2053
104 - L2576431-01G 2.3047
105 - WG2149351-3 2.2763
106 - WG2149351-4 6.2066
107 - CCV NO3 0.9574
108 - CCV NO2 1.0376
09 - CCB 0.0029
110 - L2576431-02G 1.6899
111 - L2576431-03G 6.2247
112 - L2576431-04G 2.2984
113 - L2576691-01A 0.1044
114 - L2576691-02A 8.1735
115 - L2576691-03A 13.6865
116 - L2576691-04A 0.0738
117 - L2576387-02J 0.0282
118 - L2576387-03J 0.0328
119 - L2576387-05J 0.0395
120 - CCV NO3 1.0245


121 - CCV NO2 1.0354
122 - CCB 0.0034
123 - L2576387-07J 0.1131
124 - L2576387-09J 0.1473
125 - L2576387-10J1 0.0413
126 - WG2149353-3 0.0082
127 - WG2149353-4 4.2433
128 - L2576387-11J 0.0002
129 - L2576432-09G 7.3362
2576363-01A -0.0014
131 - L2576809-01J 2.8255
132 - L2576809-02J 0.0547
133 - CCV NO3 1.0203
134 - CCV NO2 1.0379
135 - CCB 0.0032
136 - L2576809-03J 4.3944
137 - L2576809-04J 2.5287
138 - L2576809-05J 1.8874
Absorbance
Time (sec)


139 - WG2149351-5 1.8495
140 - WG2149351-6 5.9887
141 - WG2149348-7 1.8191
142 - WG2149348-8 6.9783
143 - L2576809-06J 0.044(
144 - L2576809-07J 1.7469
145 - L2576691-04A 0.1879
146 - CCV NO3 1.0132
147 - CCV NO2 1.0337
48 - CCB 0.0034
149 - L2574193-01B 0.3330
150 - WG2149355-3 0.2889
151 - WG2149355-4 4.3504
152 - L2575025-01B 0.4560
153 - L2575025-02B 0.0585
154 - L2573887-01B 2.5293
155 - L2573887-02B 0.0227
156 - L2573887-03B 2.2686
Absorbance
Time (sec)


Absorbance
1
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157 - L2573887-04B 0.9125
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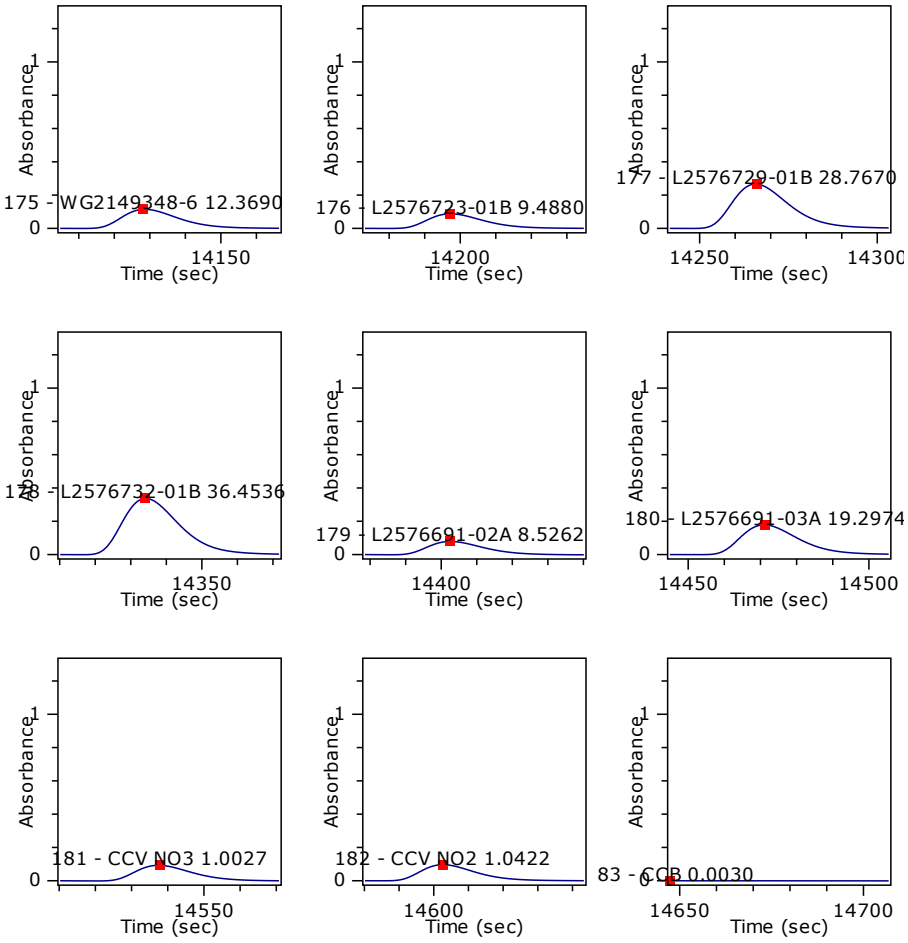
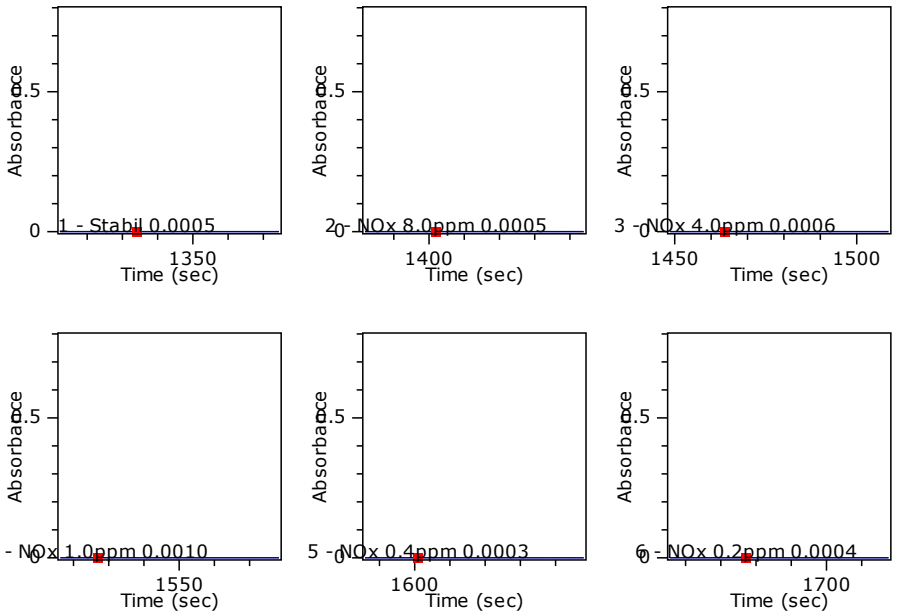
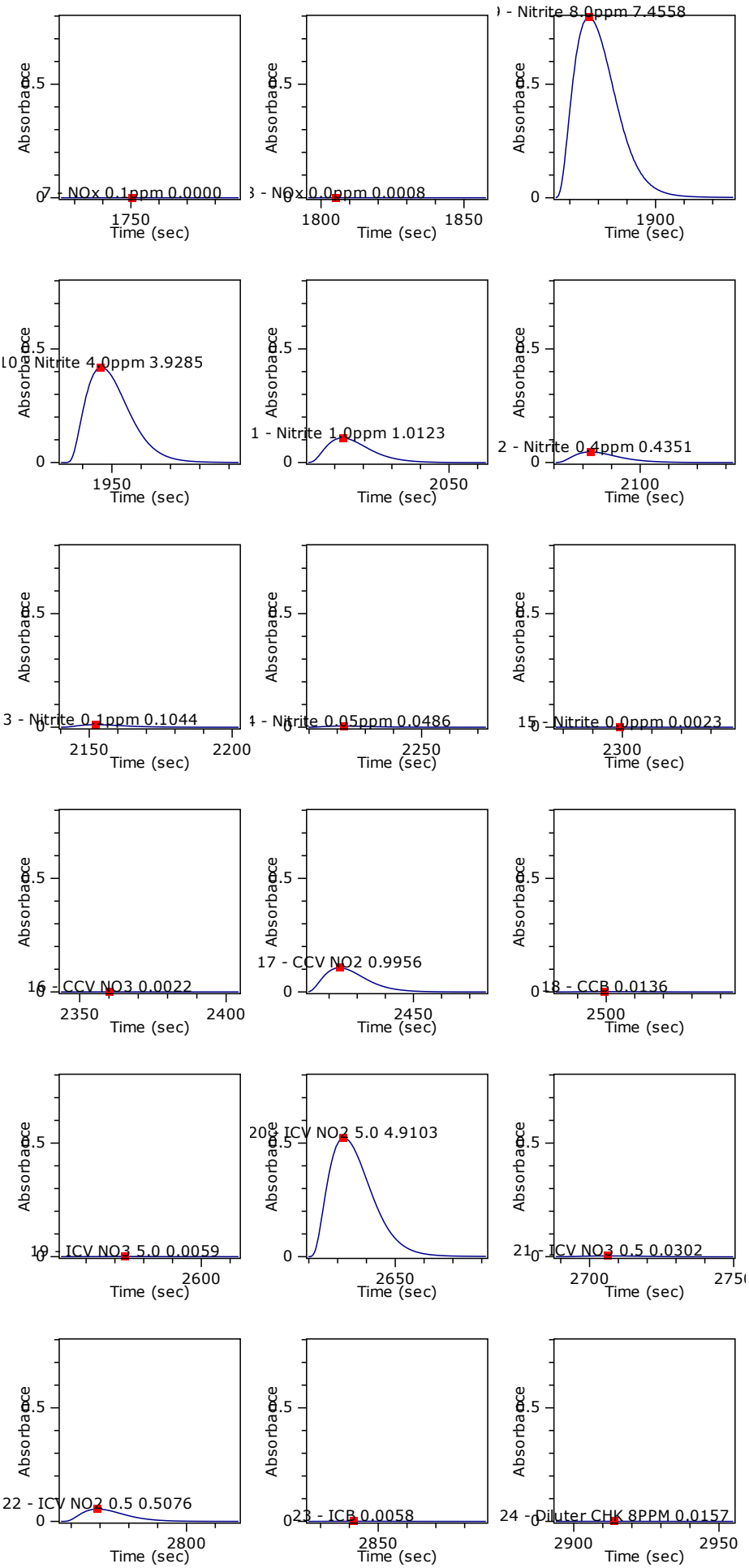
11750
Time (sec)
158 - L2573887-05C 0.8868
11800
159 - CCV NO3 1.0223
11850
160 - CCV NO2 1.0478
11900
11950
161 - CCB 0.0062
12000
162 - L2573887-06C 0.9093
12050
163 - L2573887-07B 1.4241
12150
164 - L2573887-08C 2.4383
12200
165 - L2573887-09C 2.5206
12250
166 - L2573887-10C 1.8111
12300
12350
167 - L2573887-11B 0.9426
12400
168 - CCV NO3 1.0039
12450
169 - CCV NO2 1.0388
12500
12550
170 - CCB 0.0032
12600
171 - _spacer_ 0.
13850
172 - _spacer_ 0.0121
13900
13950
173 - L2576432-08G 9.0290
14000
174 - WG2149350-6 11.2560
14050



Channel: 2-NO2

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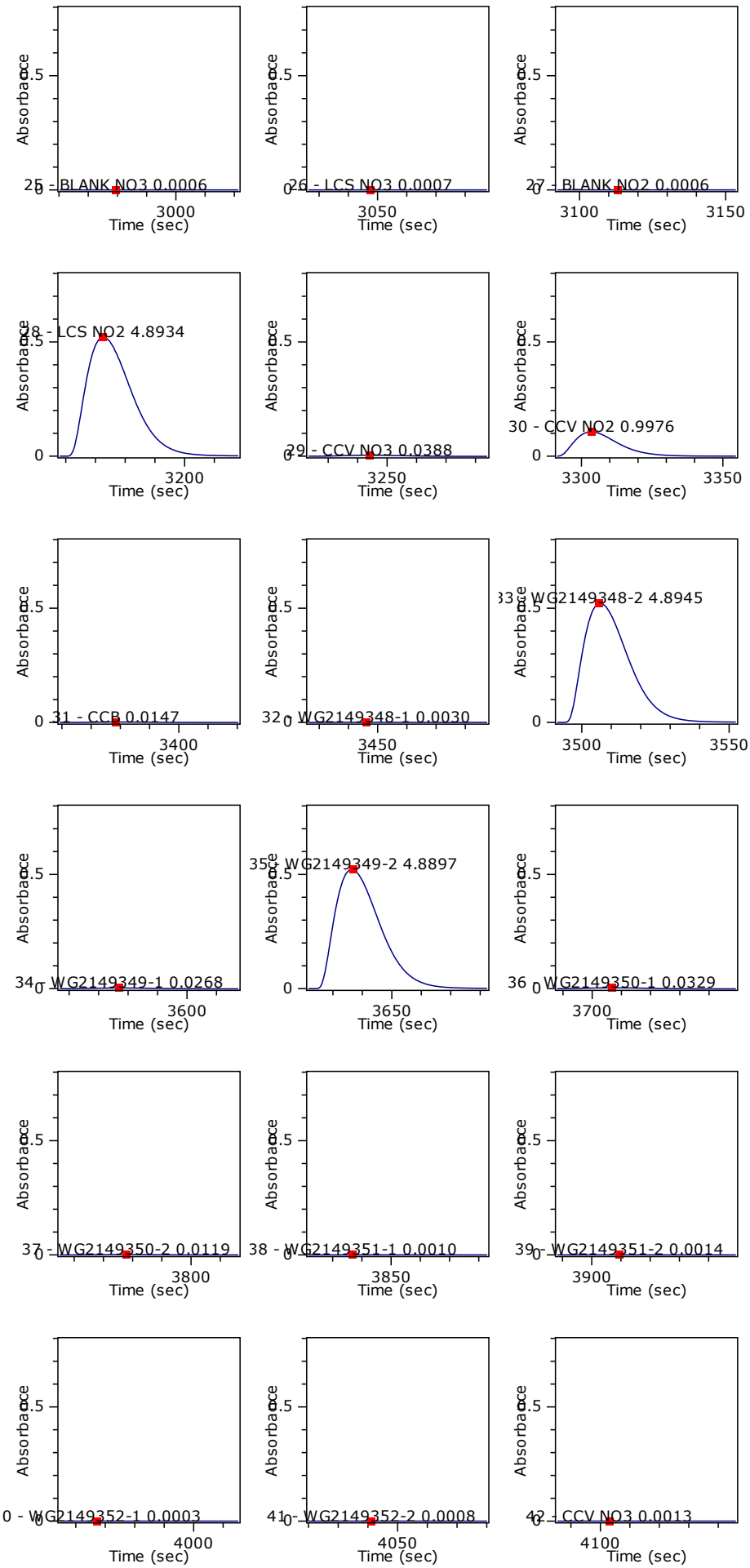
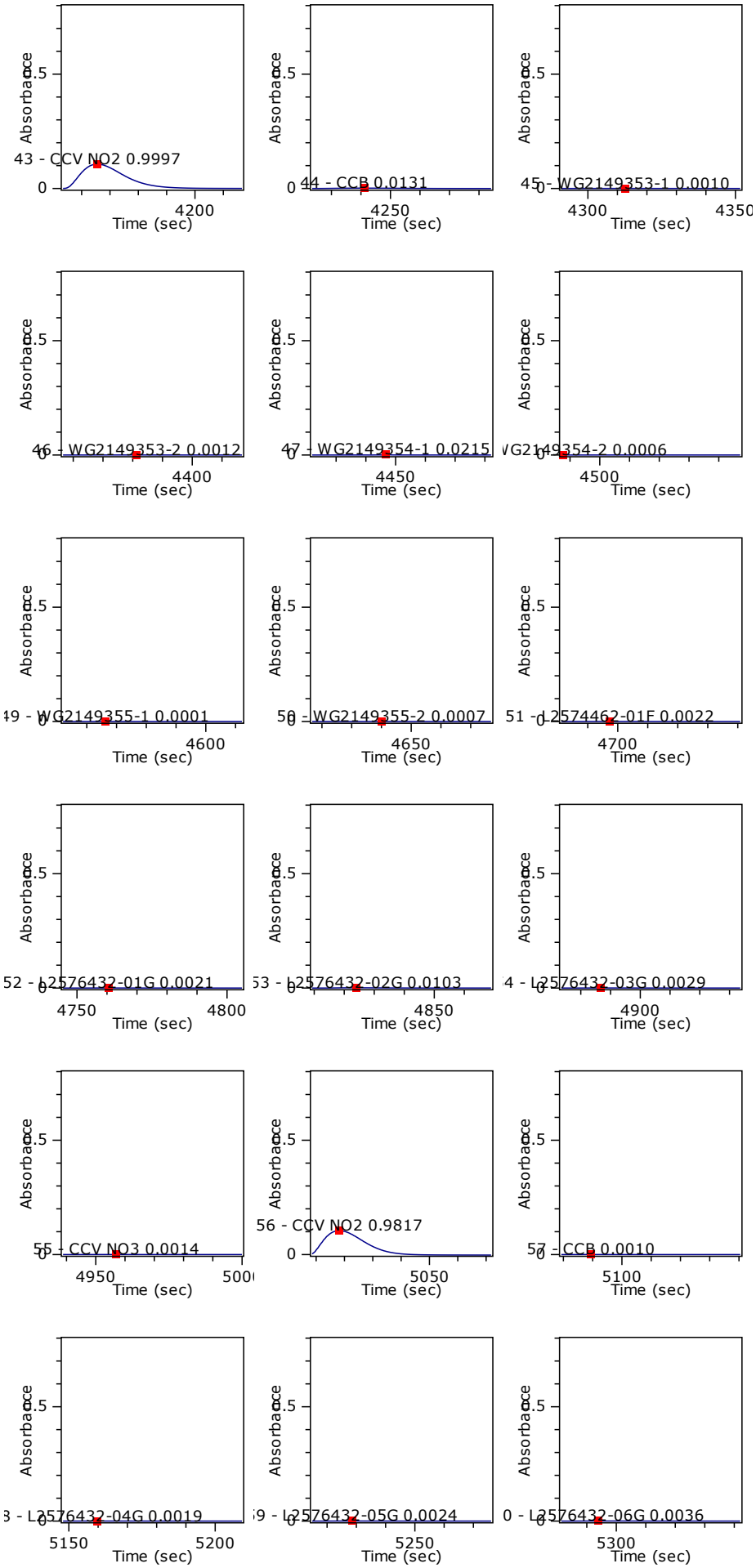
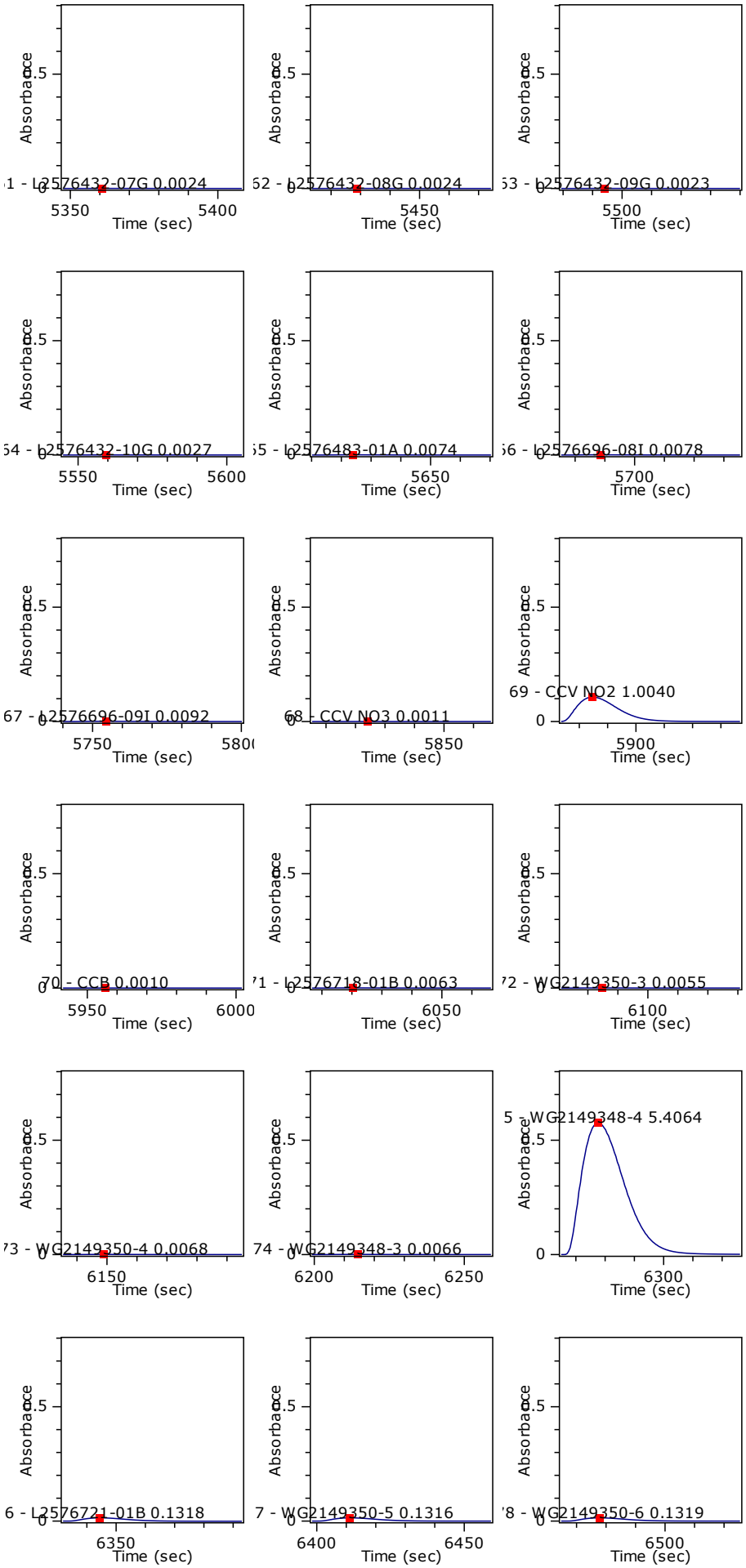
8 - NOx 0.0ppm 0.0008
9 - Nitrite 8.0ppm 7.4558
10 - Nitrite 4.0ppm 3.9285
11 - Nitrite 1.0ppm 1.0123
12 - Nitrite 0.4ppm 0.4351
13 - Nitrite 0.1ppm 0.1044
14 - Nitrite 0.05ppm 0.0486
15 - Nitrite 0.0ppm 0.0023
16 - CCV NO3 0.0022
17 - CCV NO2 0.9956
18 - CCB 0.0136
19 - ICV NO3 5.0 0.0059
20 - ICV NO2 5.0 4.9103
21 - ICV NO3 0.5 0.0302
22 - ICV NO2 0.5 0.5076
23 - ICB 0.0058
24 - Diluter CHK 8PPM 0.0157
Absorbance
Time (sec)


25 - BLANK NO3 0.0006
26 - LCS NO3 0.0007
27 - BLANK NO2 0.0006
28 - LCS NO2 4.8934
29 - CCV NO3 0.0388
30 - CCV NO2 0.9976
31 - CCB 0.0147
32 - WG2149348-1 0.0030
33 - WG2149348-2 4.8945
34 - WG2149349-1 0.0268
35 - WG2149349-2 4.8897
36 - WG2149350-1 0.0329
37 - WG2149350-2 0.0119
38 - WG2149351-1 0.0010
39 - WG2149351-2 0.0014
40 - WG2149352-1 0.0003
41 - WG2149352-2 0.0008
42 - CCV NO3 0.0013
Absorbance
Time (sec)


43 - CCV NO2 0.9997
44 - CCB 0.0131
45 - WG2149353-1 0.0010
46 - WG2149353-2 0.0012
47 - WG2149354-1 0.0215
WG2149354-2 0.0006
49 - WG2149355-1 0.0001
50 - WG2149355-2 0.0007
51 - L2574462-01F 0.0022
52 - L2576432-01G 0.0021
53 - L2576432-02G 0.0103
4 - L2576432-03G 0.0029
55 - CCV NO3 0.0014
56 - CCV NO2 0.9817
57 - CCB 0.0010
3 - L2576432-04G 0.0019
9 - L2576432-05G 0.0024
0 - L2576432-06G 0.0036
Absorbance
Time (sec)


Absorbance
Time (sec)
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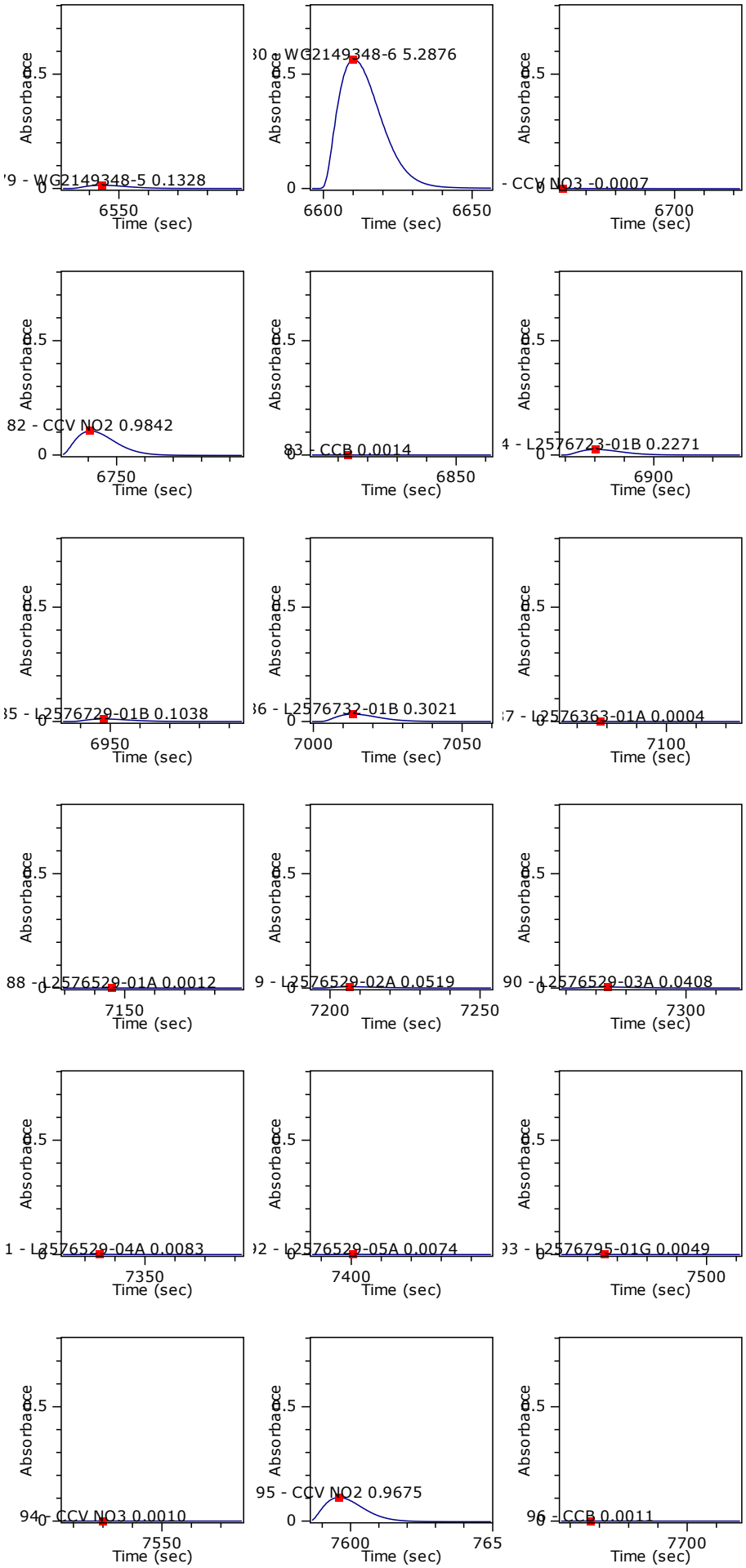
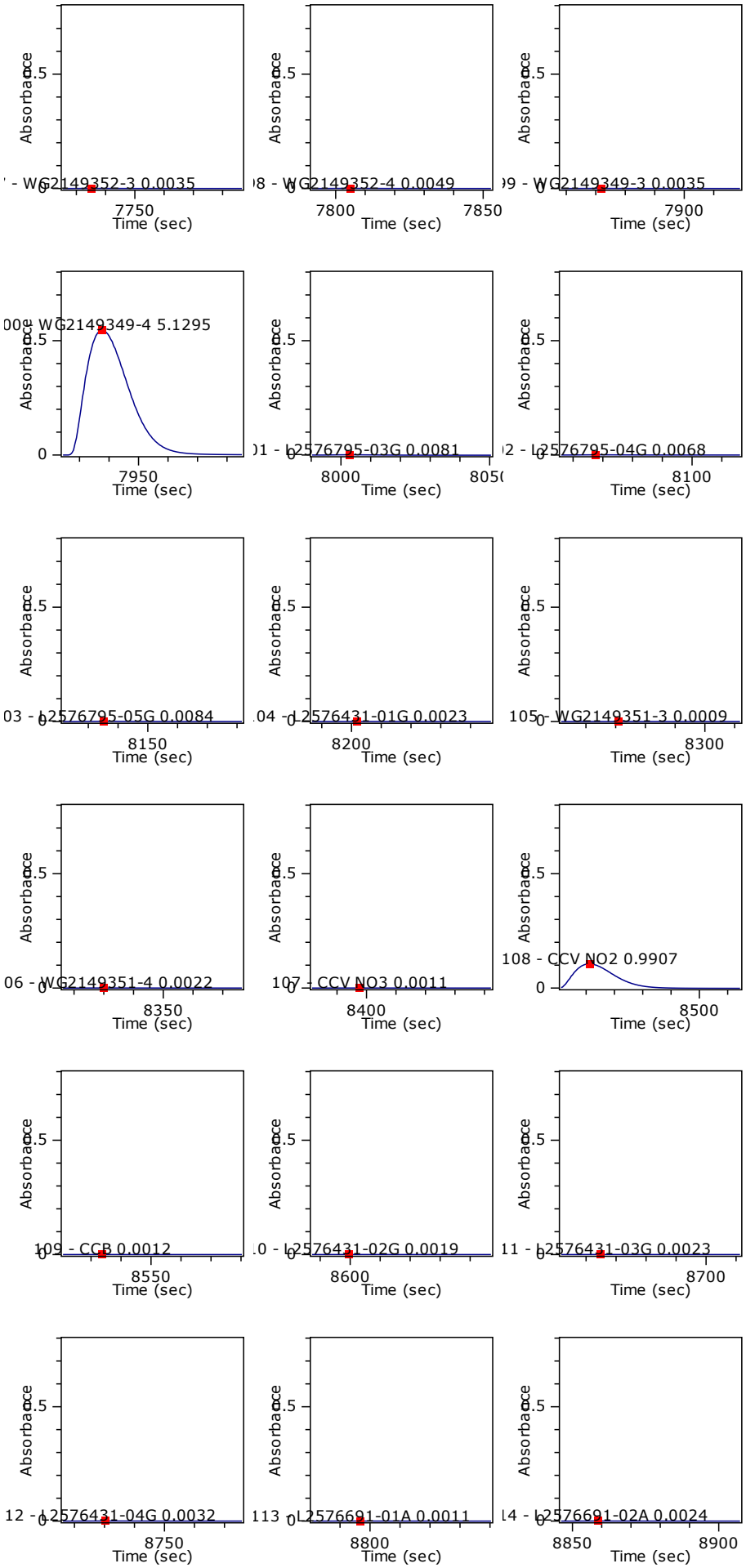
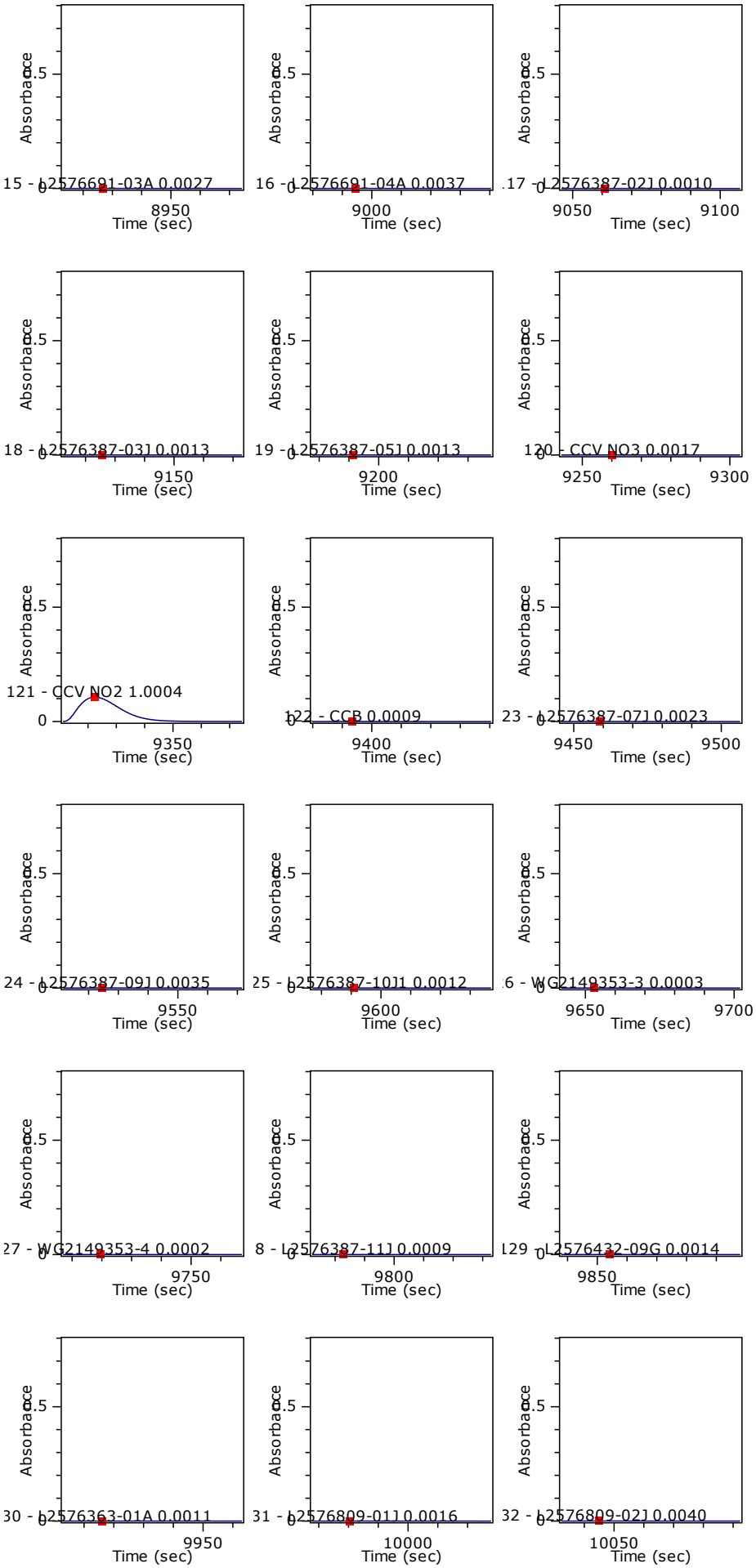
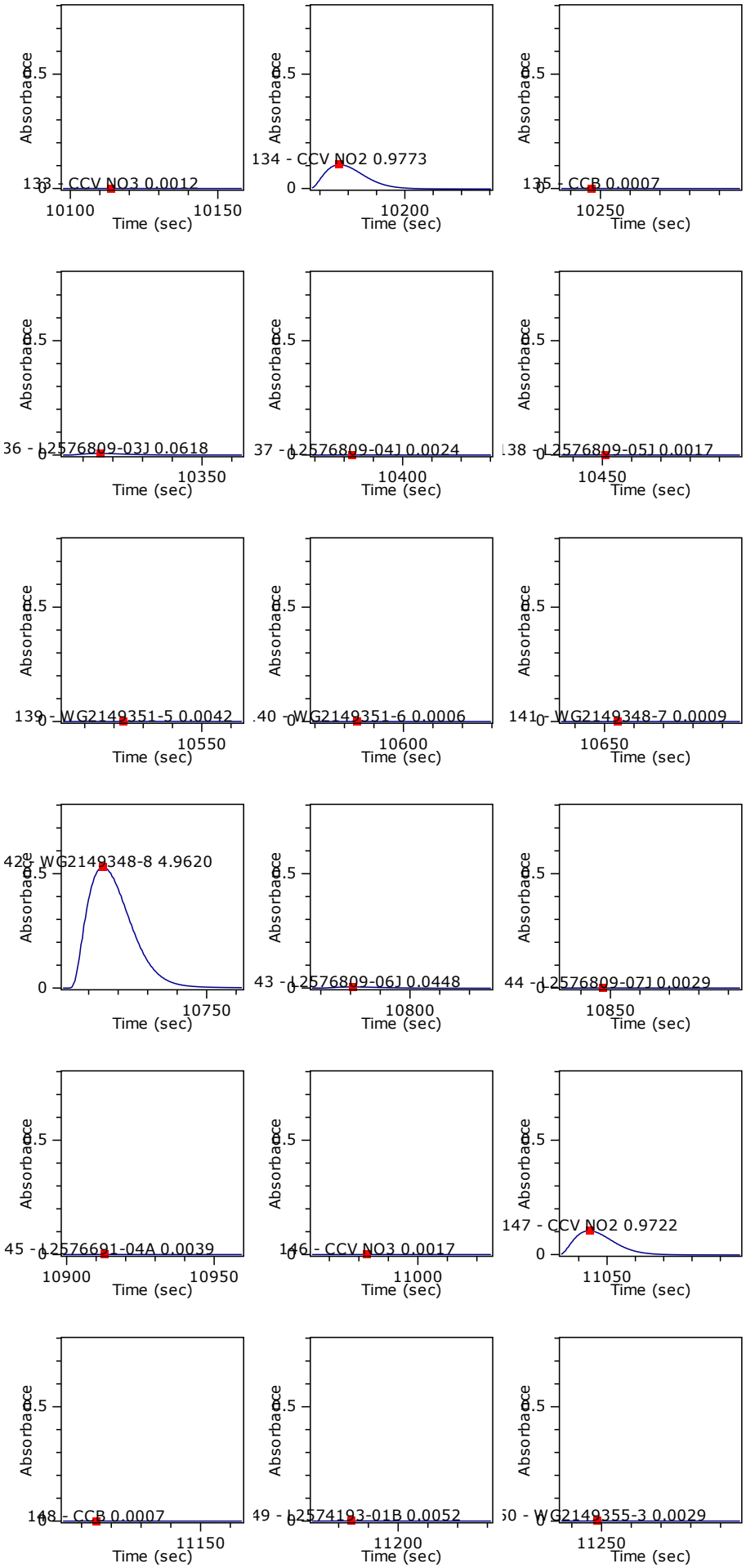
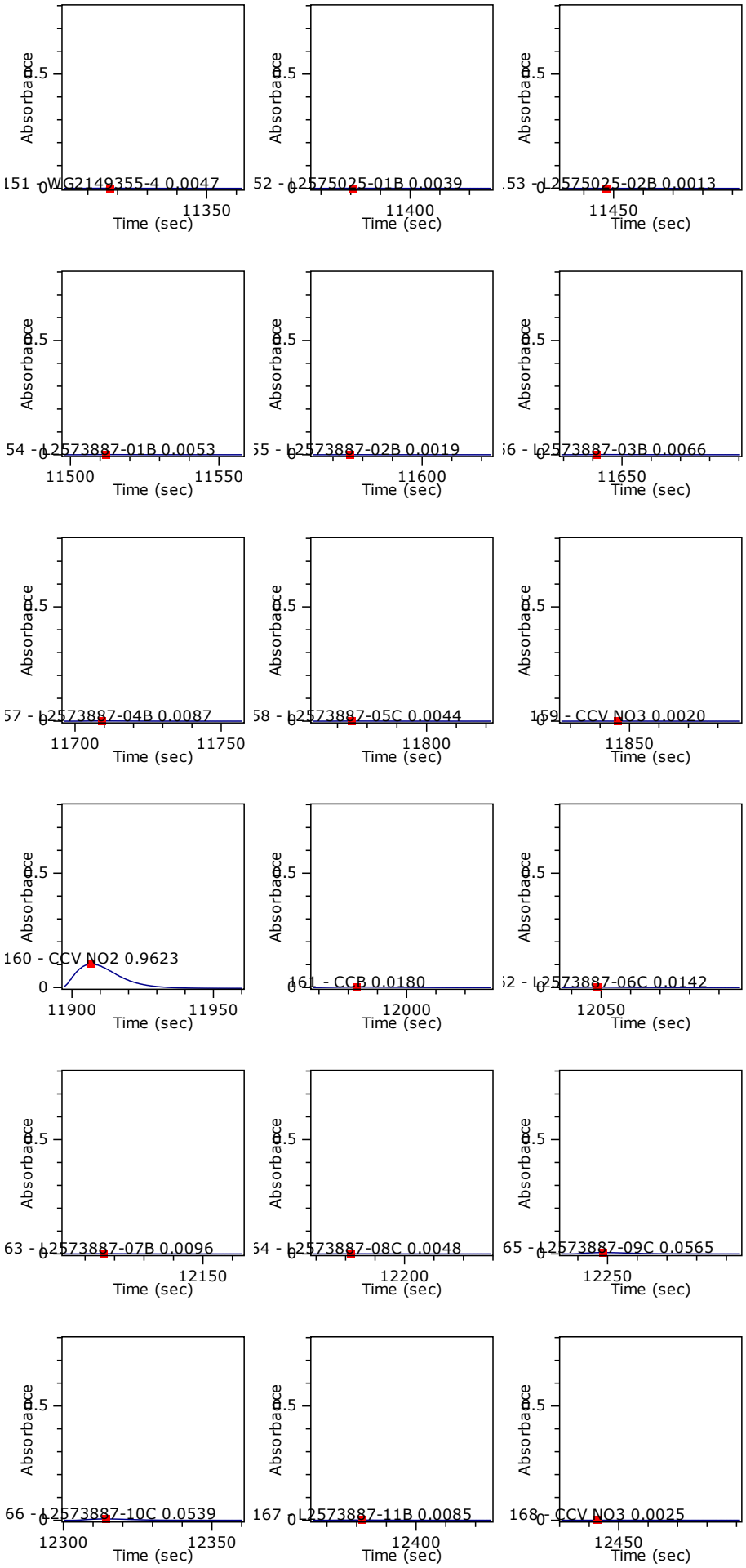
52 - L2576432-08G 0.0024
53 - L2576432-09G 0.0023
54 - L2576432-10G 0.0027
55 - L2576483-01A 0.0074
56 - L2576696-08I 0.0078
67 - L2576696-09I 0.0092
68 - CCV NO3 0.0011
69 - CCV NO2 1.0040
70 - CCB 0.0010
71 - L2576718-01B 0.0063
72 - WG2149350-3 0.0055
73 - WG2149350-4 0.0068
74 - WG2149348-3 0.0066
5 - WG2149348-4 5.4064
6 - L2576721-01B 0.1318
7 - WG2149350-5 0.1316
8 - WG2149350-6 0.1319

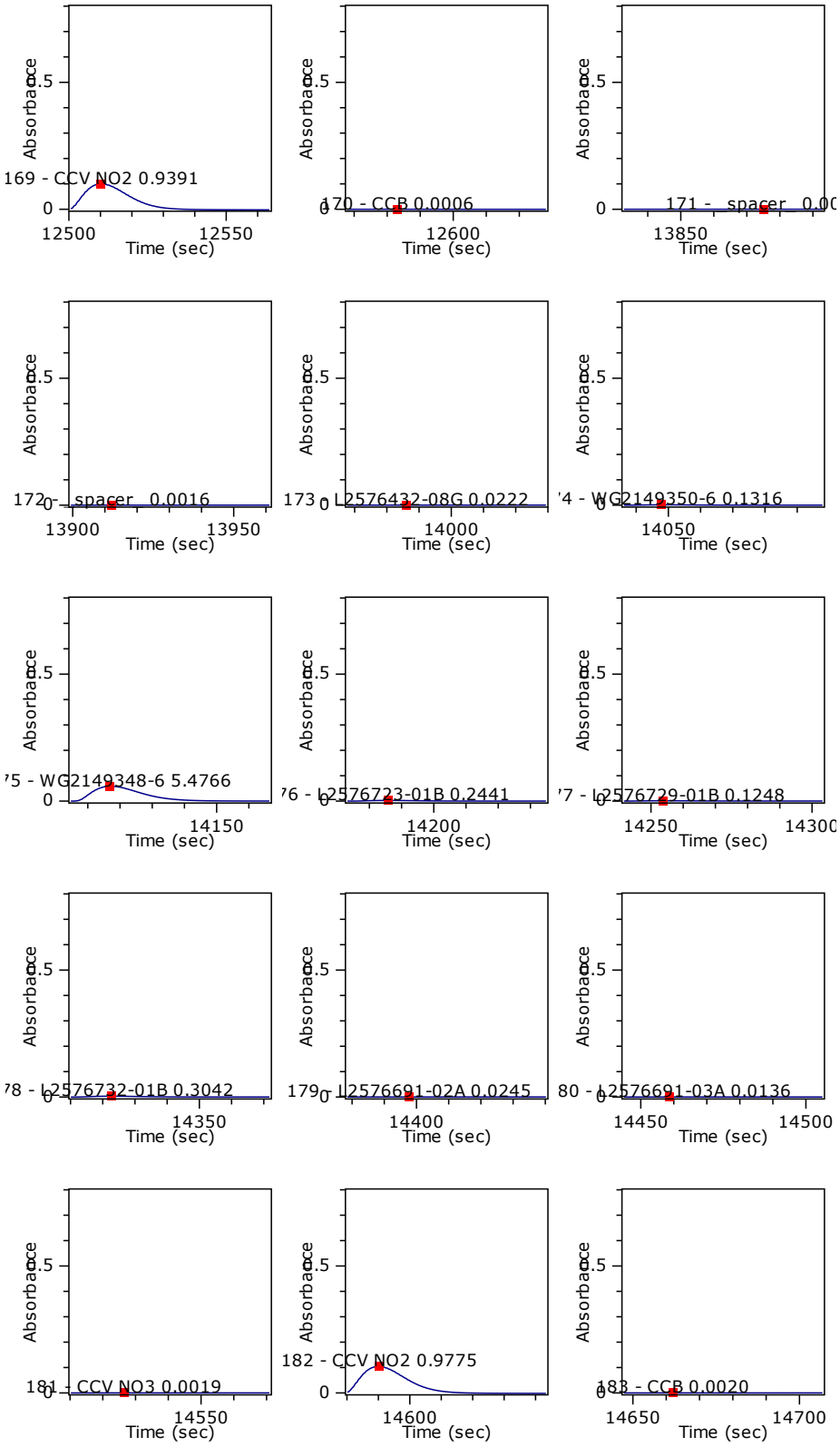

Absorbance
Time (sec)
79 - WG2149348-5 0.1328
80 - WG2149348-6 5.2876
81 - CCV NO3 -0.0007
82 - CCV NO2 0.9842
83 - CCB 0.0014
84 - L2576723-01B 0.2271
85 - L2576729-01B 0.1038
86 - L2576732-01B 0.3021
87 - L2576363-01A 0.0004
88 - L2576529-01A 0.0012
89 - L2576529-02A 0.0519
90 - L2576529-03A 0.0408
91 - L2576529-04A 0.0083
92 - L2576529-05A 0.0074
93 - L2576795-01G 0.0049
94 - CCV NO3 0.0010
95 - CCV NO2 0.9675
96 - CCB 0.0011


- WG2149352-3 0.0035
8 - WG2149352-4 0.0049
9 - WG2149349-3 0.0035
00 - WG2149349-4 5.1295
01 - L2576795-03G 0.0081
2 - L2576795-04G 0.0068
03 - L2576795-05G 0.0084
04 - L2576431-01G 0.0023
105 - WG2149351-3 0.0009
06 - WG2149351-4 0.0022
107 - CCV NO3 0.0011
108 - CCV NO2 0.9907
109 - CCB 0.0012
0 - L2576431-02G 0.0019
11 - L2576431-03G 0.0023
12 - L2576431-04G 0.0032
113 - L2576691-01A 0.0011
14 - L2576691-02A 0.0024
Absorbance
Time (sec)


15 - L2576691-03A 0.0027
16 - L2576691-04A 0.0037
17 - L2576387-02J 0.0010
18 - L2576387-03J 0.0013
19 - L2576387-05J 0.0013
120 - CCV NO3 0.0017
121 - CCV NO2 1.0004
122 - CCB 0.0009
123 - L2576387-07J 0.0023
124 - L2576387-09J 0.0035
125 - L2576387-10J1 0.0012
126 - WG2149353-3 0.0003
127 - WG2149353-4 0.0002
128 - L2576387-11J 0.0009
129 - L2576432-09G 0.0014
130 - L2576363-01A 0.0011
131 - L2576809-01J 0.0016
132 - L2576809-02J 0.0040
Absorbance
Time (sec)


133 - CCV NO3 0.0012
134 - CCV NO2 0.9773
135 - CCB 0.0007
136 - L2576809-03J 0.0618
137 - L2576809-04J 0.0024
138 - L2576809-05J 0.0017
139 - WG2149351-5 0.0042
140 - WG2149351-6 0.0006
141 - WG2149348-7 0.0009
142 - WG2149348-8 4.9620
143 - L2576809-06J 0.0448
144 - L2576809-07J 0.0029
145 - L2576691-04A 0.0039
146 - CCV NO3 0.0017
147 - CCV NO2 0.9722
148 - CCB 0.0007
149 - L2574193-01B 0.0052
150 - WG2149355-3 0.0029
Absorbance
Time (sec)


151 - WG2149355-4 0.0047
52 - L2575025-01B 0.0039
53 - L2575025-02B 0.0013
54 - L2573887-01B 0.0053
55 - L2573887-02B 0.0019
56 - L2573887-03B 0.0066
57 - L2573887-04B 0.0087
58 - L2573887-05C 0.0044
159 - CCV NO3 0.0020
160 - CCV NO2 0.9623
161 - CCB 0.0180
62 - L2573887-06C 0.0142
63 - L2573887-07B 0.0096
64 - L2573887-08C 0.0048
65 - L2573887-09C 0.0565
66 - L2573887-10C 0.0539
167 - L2573887-11B 0.0085
168 - CCV NO3 0.0025
Absorbance
Time (sec)



Data Processing Parameters:

Channel: 1-NOx

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0

Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Channel: 2-NO2

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Method Log:

```
FIAsoft FIAsoft v3.1.10

FIAlyzer Settings
------------
FIAlab1 Serial Number: FIA31428
FIAlab2 Serial Number: FIA31429
Pump: Connected on COM8

Spectrometer Settings
Spectrometer1
------------
Spectrometer Type: tec5
Integration Time: 1.6
Bandwidth: 2
Data Acq Rate: 2
Use Full Spectrum: False
        |---  Low: 500nm
        |--- High: 650nm
Reduce to Boxcar: True

Spectrometer2
------------
Spectrometer Type: tec5
Integration Time: 2.5
Bandwidth: 2
Data Acq Rate: 2
Use Full Spectrum: False
        |---  Low: 500nm
        |--- High: 650nm
Reduce to Boxcar: True

Start Time
------------
2025-12-04T02:45:19

Method
------------
```

```
' Method Script for NOx-NO2

Autosave Data C:\FIAlab\Autosave Data\DateTime
FIAlab Injection Valve Sample Load
Message Cadmium Column on for NOx
FIAlab Peristaltic Pump Clockwise(%) 55

Autosampler Wash
Delay (sec) 2
Next Sample
Delay (sec) 35  'StartDelay2 - Controls initial sample introduction.

FIAlab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 2
Autosampler Position (#) Rinse
FIAlab2 Injection Valve Sample Inject
Delay (sec) 15   'StartDelay3 - Should be set equal to LoopDelay3

Autosampler Probe Up
Delay (sec) 5   'StartDelay4 - Should be set equal to LoopDelay4

Loop Start

   Analyte New Sample
   Delay (sec) 1
   Next Sample
   Autosampler Probe Force Down

   Spectrometer Reference Scan
   Spectrometer Absorbance Scanning

   Delay (sec) 3   ' LoopDelay1 - Controls sample transit & loop empty. Controls back baseline.

   FIAlab Injection Valve Sample Load

   Delay (sec) 35   ' LoopDelay2 - Controls sample transit & loop fill. Controls back baseline.

   FIAlab1 Injection Valve Sample Inject
   Autosampler Probe Up
   Delay (sec) 5
   Autosampler Position (#) Rinse
   FIAlab2 Injection Valve Sample Inject

   Delay (sec) 10   ' LoopDelay3 - Controls loop empty & probe rinse time. Inverse controls front baseline.

   Autosampler Probe Up

   Delay (sec) 3   ' LoopDelay4 - Controls loop empty. Inverse controls front baseline.

   Spectrometer Stop Scanning

Loop End

Autosampler Position (#) Rinse
Delay (sec) 20
Autosampler Probe Up
Delay (sec) 30
FIAlab Peristaltic Pump Clockwise(%) 5
Autoexport Report C:\FIAlab\autoreport\NOxNO2\DateTime
Message Run is Complete
```

Method File Location: C:\FIAlab\FIAlab User Files\Methods\Method_NOx+NO2.fia

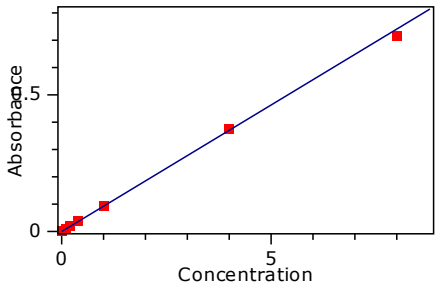
Graphical report generated by FIAsoft v3.1.10
Report generated on 2025-12-04 08:57:56
Data file (.dat): C:\FIAlab\Autosave Data\2025-12-04-085735.dat

Dataset Notes:

Analyst	

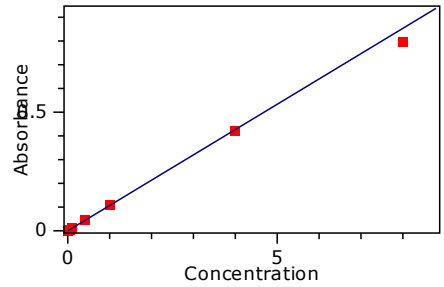
Dataset Notes Table Location: C:\FIAlab\FIAlab User Files\Tables\Dataset Notes\Analyst.csv

Calibrations:



Channel: 1-NOx
Fit_Order: 1
Weighting: 1/response
Standard relation
Coefficients:
A: -0.00032
B: 0.09264
R^2: 0.99957
RSE(%): 2.57394
% Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	NOx 8.0ppm	0.71670	8.00000	7.73990	3.25	N/A
10002	NOx 4.0ppm	0.37430	4.00000	4.04390	1.10	N/A
10003	NOx 1.0ppm	0.09200	1.00000	0.99680	0.32	N/A
10004	NOx 0.4ppm	0.03810	0.40000	0.41500	3.74	N/A
10005	NOx 0.2ppm	0.01820	0.20000	0.20010	0.05	N/A
10006	NOx 0.1ppm	0.00890	0.10000	0.09920	0.79	N/A
10007	NOx 0.0ppm	0.00010	0.00000	0.00490	NA	N/A



Channel: 2-NO2
Fit_Order: 1
Weighting: 1/response
Standard relation
Coefficients:
A: 0.00004
B: 0.10667
R^2: 0.99935
RSE(%): 6.22335
% Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	Nitrite 8.0ppm	0.79540	8.00000	7.45580	6.80	N/A
10002	Nitrite 4.0ppm	0.41910	4.00000	3.92850	1.79	N/A
10003	Nitrite 1.0ppm	0.10800	1.00000	1.01230	1.23	N/A
10004	Nitrite 0.4ppm	0.04640	0.40000	0.43510	8.78	N/A
10005	Nitrite 0.1ppm	0.01120	0.10000	0.10440	4.38	N/A
10006	Nitrite 0.05ppm	0.00520	0.05000	0.04860	2.79	N/A
10007	Nitrite 0.0ppm	0.00030	0.00000	0.00230	NA	N/A

Results:

Channel: 1-NOx

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0002	1	1	1	0.0060		2025-12-04T08:08:31
CCV NO3	2	QC	1	0.0948	1	1	1	1.0264		2025-12-04T08:09:42
CCV NO2	3	QC	?	0.0967	1	1	1	1.0468		2025-12-04T08:10:48
CCB	4	QC	0	0.0000	1	1	1	0.0032		2025-12-04T08:11:33

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2575144-02M	5	Unknown	?	0.0103	1	1	1	0.1149		2025-12-04T08:13:05
L2575144-03M	6	Unknown	?	0.0040	1	1	1	0.0465		2025-12-04T08:14:11
L2575144-05M	7	Unknown	?	1.0295	1	1	1	11.1162	OVR	2025-12-04T08:15:16
L2575144-06M	8	Unknown	?	-0.0004	1	1	1	-0.0004		2025-12-04T08:15:55
WG2149354-3	9	Unknown	?	0.0036	1	1	1	0.0427		2025-12-04T08:17:28
WG2149354-4	10	Unknown	?	0.4045	1	1	1	4.3694		2025-12-04T08:18:34
L2575144-07M	11	Unknown	?	0.0017	1	1	1	0.0217		2025-12-04T08:19:39
L2575144-08M2	12	Unknown	?	0.0035	1	1	1	0.0409		2025-12-04T08:20:45
WG2149354-5	13	Unknown	?	0.0018	1	1	1	0.0228		2025-12-04T08:21:52
WG2149354-6	14	Unknown	?	0.4306	1	1	1	4.6516		2025-12-04T08:22:59
CCV NO3	15	QC	1	0.0908	1	1	1	0.9836		2025-12-04T08:24:04
CCV NO2	16	QC	?	0.0966	1	1	1	1.0461		2025-12-04T08:25:10
CCB	17	QC	0	0.0000	1	1	1	0.0034		2025-12-04T08:25:55
L2575144-09M	18	Unknown	?	0.0045	1	1	1	0.0518		2025-12-04T08:27:28
L2575144-10M	19	Unknown	?	0.0319	1	1	1	0.3483		2025-12-04T08:28:35
L2576674-01A	20	Unknown	?	0.0280	1	1	1	0.3058		2025-12-04T08:29:40
L2576674-02A	21	Unknown	?	1.2531	1	1	1	13.5297	OVR	2025-12-04T08:30:47
L2576677-01A	22	Unknown	?	-0.0005	1	1	1	-0.0014		2025-12-04T08:31:26
L2576677-01A	23	Unknown	?	0.0066	1	1	1	0.0744		2025-12-04T08:32:58
L2576677-02A	24	Unknown	?	0.0681	1	1	1	0.7387		2025-12-04T08:34:05
L2576809-06	25	Unknown	?	0.0243	1	1	1	0.2658		2025-12-04T08:35:10
L2575144-06M	26	Unknown	?	0.0073	1	1	1	0.0821		2025-12-04T08:36:16
CCV NO3	27	QC	1	0.0941	1	1	1	1.0191		2025-12-04T08:37:21
CCV NO2	28	QC	?	0.0966	1	1	1	1.0459		2025-12-04T08:38:26
CCB	29	QC	0	0.0000	1	1	1	0.0031		2025-12-04T08:39:10
spacer	30	Unknown	?	0.0000	1	1	1	0.0035		2025-12-04T08:46:14
spacer	31	Unknown	?	0.0004	1	1	1	0.0079		2025-12-04T08:47:41
L2575144-05M	32	Unknown	?	0.2308	1	5	1	12.4732		2025-12-04T08:48:49
L2576674-02A	33	Unknown	?	0.3260	1	5	1	17.6138		2025-12-04T08:49:57
CCV NO3	34	QC	1	0.0914	1	1	1	0.9906		2025-12-04T08:51:04
CCV NO2	35	QC	?	0.0967	1	1	1	1.0478		2025-12-04T08:52:09
CCB	36	QC	0	0.0000	1	1	1	0.0036		2025-12-04T08:52:53

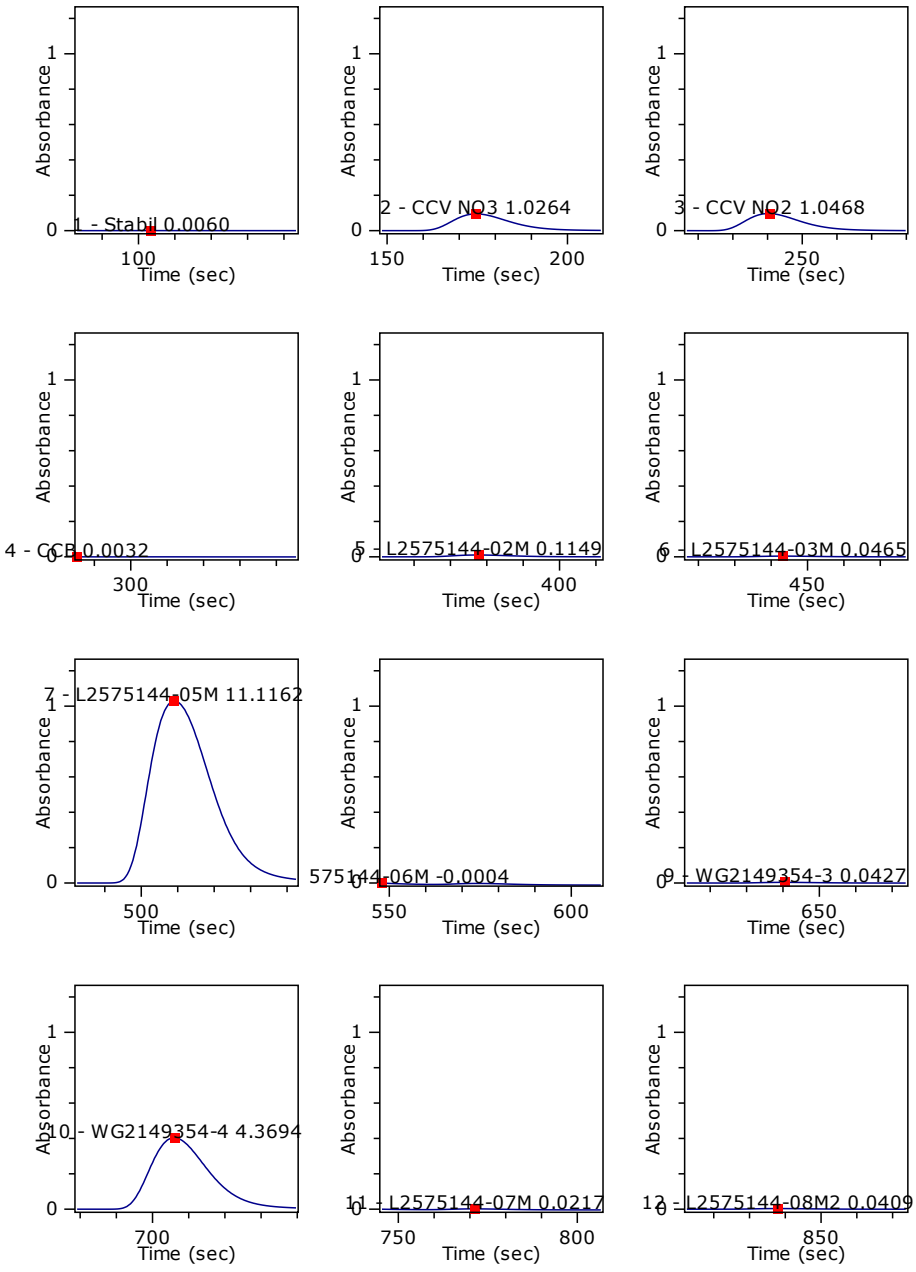
Channel: 2-NO2

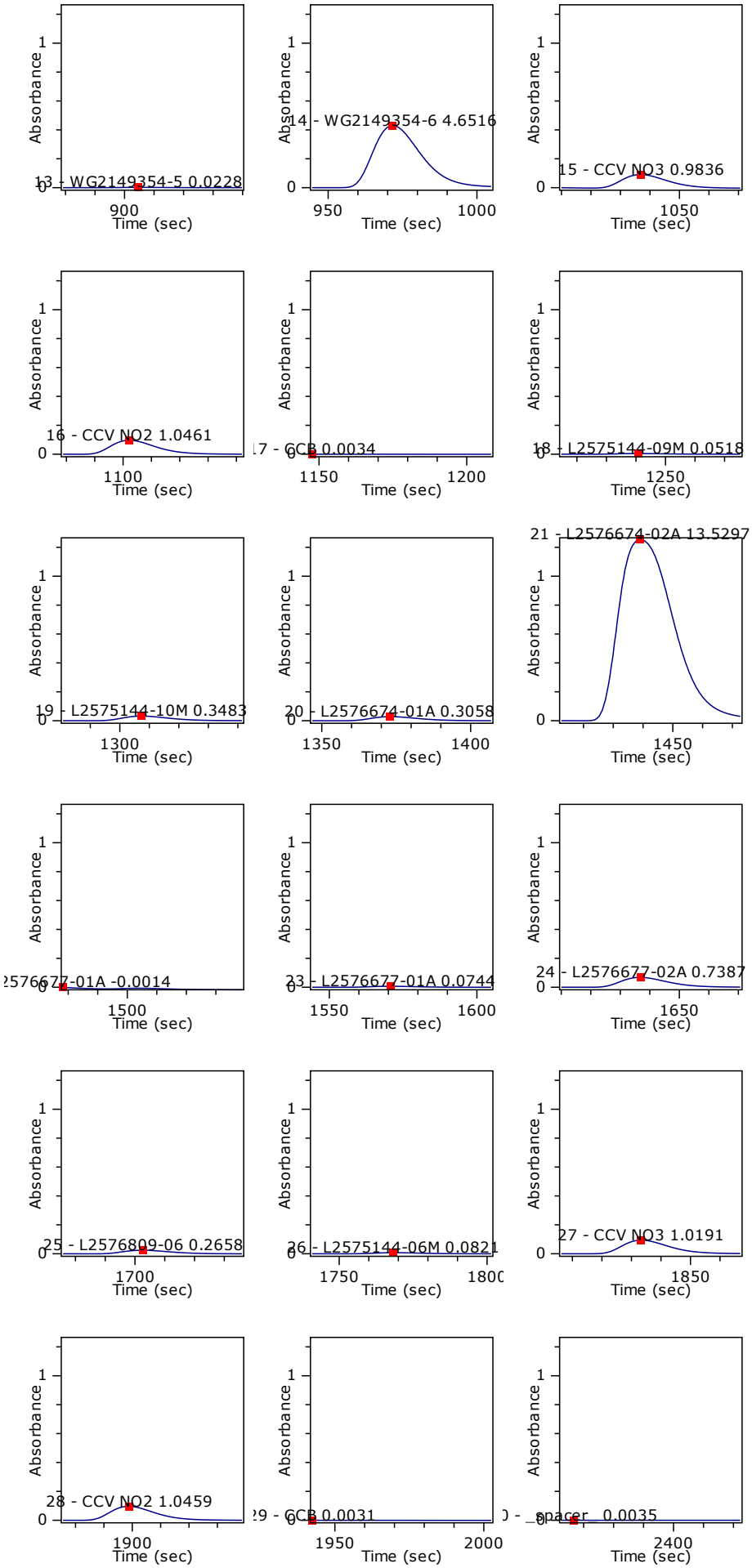
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	0.0007		2025-12-04T08:08:17
CCV NO3	2	QC	?	0.0002	1	1	1	0.0014		2025-12-04T08:09:33
CCV NO2	3	QC	1	0.1105	1	1	1	1.0355		2025-12-04T08:10:36
CCB	4	QC	0	0.0010	1	1	1	0.0088		2025-12-04T08:11:50
L2575144-02M	5	Unknown	?	0.0006	1	1	1	0.0055		2025-12-04T08:12:52
L2575144-03M	6	Unknown	?	0.0002	1	1	1	0.0019		2025-12-04T08:13:59
L2575144-05M	7	Unknown	?	0.0004	1	1	1	0.0033		2025-12-04T08:15:05
L2575144-06M	8	Unknown	?	0.0005	1	1	1	0.0041		2025-12-04T08:16:10
WG2149354-3	9	Unknown	?	0.0003	1	1	1	0.0024		2025-12-04T08:17:15
WG2149354-4	10	Unknown	?	0.0006	1	1	1	0.0049		2025-12-04T08:18:21
L2575144-07M	11	Unknown	?	0.0003	1	1	1	0.0029		2025-12-04T08:19:29
L2575144-08M2	12	Unknown	?	0.0003	1	1	1	0.0023		2025-12-04T08:20:32
WG2149354-5	13	Unknown	?	0.0002	1	1	1	0.0015		2025-12-04T08:21:39
WG2149354-6	14	Unknown	?	0.0002	1	1	1	0.0019		2025-12-04T08:22:47
CCV NO3	15	QC	?	0.0002	1	1	1	0.0016		2025-12-04T08:23:57
CCV NO2	16	QC	1	0.1100	1	1	1	1.0312		2025-12-04T08:24:57
CCB	17	QC	0	0.0002	1	1	1	0.0012		2025-12-04T08:26:07
L2575144-09M	18	Unknown	?	0.0002	1	1	1	0.0016		2025-12-04T08:27:15
L2575144-10M	19	Unknown	?	0.0003	1	1	1	0.0029		2025-12-04T08:28:24
L2576674-01A	20	Unknown	?	0.0054	1	1	1	0.0504		2025-12-04T08:29:27
L2576674-02A	21	Unknown	?	0.0429	1	1	1	0.4017		2025-12-04T08:30:34
L2576677-01A	22	Unknown	?	0.0003	1	1	1	0.0027		2025-12-04T08:31:40
L2576677-01A	23	Unknown	?	0.0003	1	1	1	0.0029		2025-12-04T08:32:45
L2576677-02A	24	Unknown	?	0.0137	1	1	1	0.1277		2025-12-04T08:33:51
L2576809-06	25	Unknown	?	0.0013	1	1	1	0.0117		2025-12-04T08:34:57
L2575144-06M	26	Unknown	?	0.0005	1	1	1	0.0040		2025-12-04T08:36:05
CCV NO3	27	QC	?	0.0002	1	1	1	0.0014		2025-12-04T08:37:12
CCV NO2	28	QC	1	0.1090	1	1	1	1.0211		2025-12-04T08:38:14
CCB	29	QC	0	0.0002	1	1	1	0.0012		2025-12-04T08:39:25
spacer	30	Unknown	?	0.0000	1	1	1	-0.0001		2025-12-04T08:46:28
spacer	31	Unknown	?	0.0002	1	1	1	0.0017		2025-12-04T08:47:30
L2575144-05M	32	Unknown	?	0.0001	1	5	1	0.0044		2025-12-04T08:48:40
L2576674-02A	33	Unknown	?	0.0084	1	5	1	0.3941		2025-12-04T08:49:45

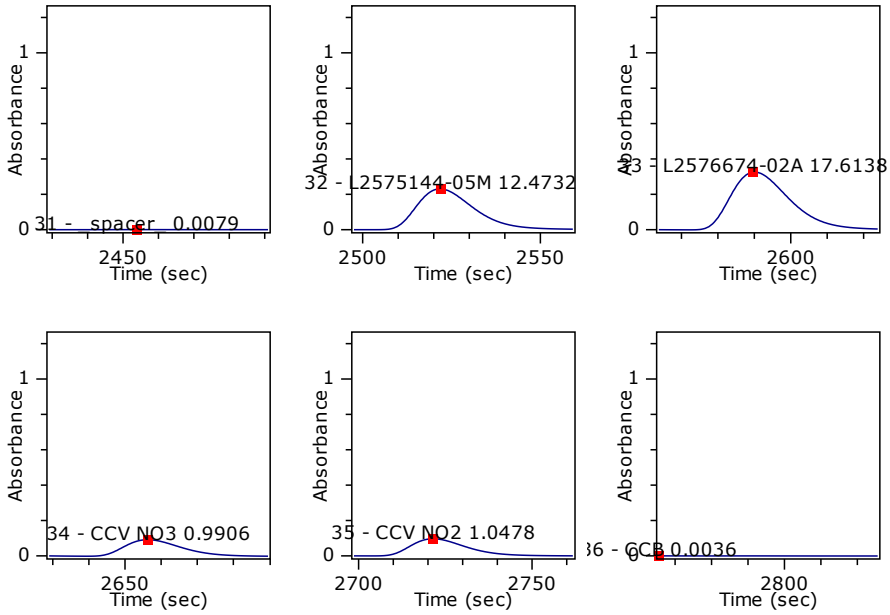
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
CCV NO3	34	QC	?	0.0002	1	1	1	0.0017		2025-12-04T08:50:54
CCV NO2	35	QC	1	0.1091	1	1	1	1.0229		2025-12-04T08:51:56
CCB	36	QC	0	0.0002	1	1	1	0.0015		2025-12-04T08:53:07

Peaks:

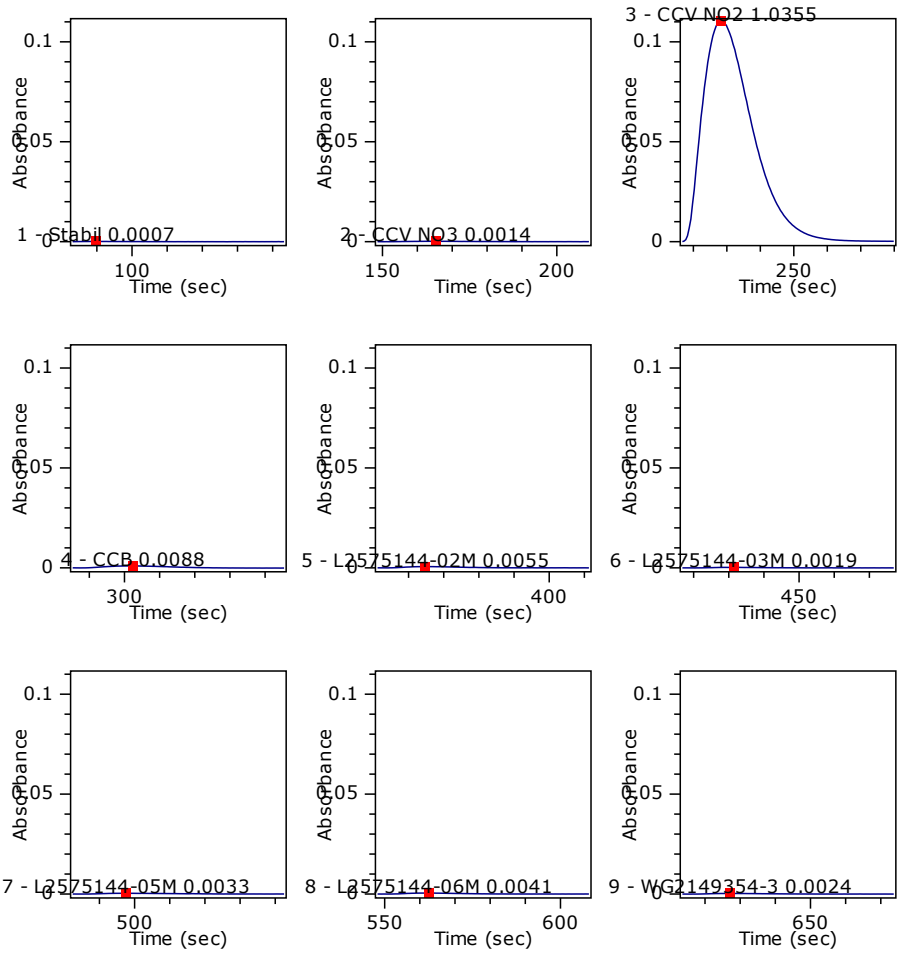
Channel: 1-NOx

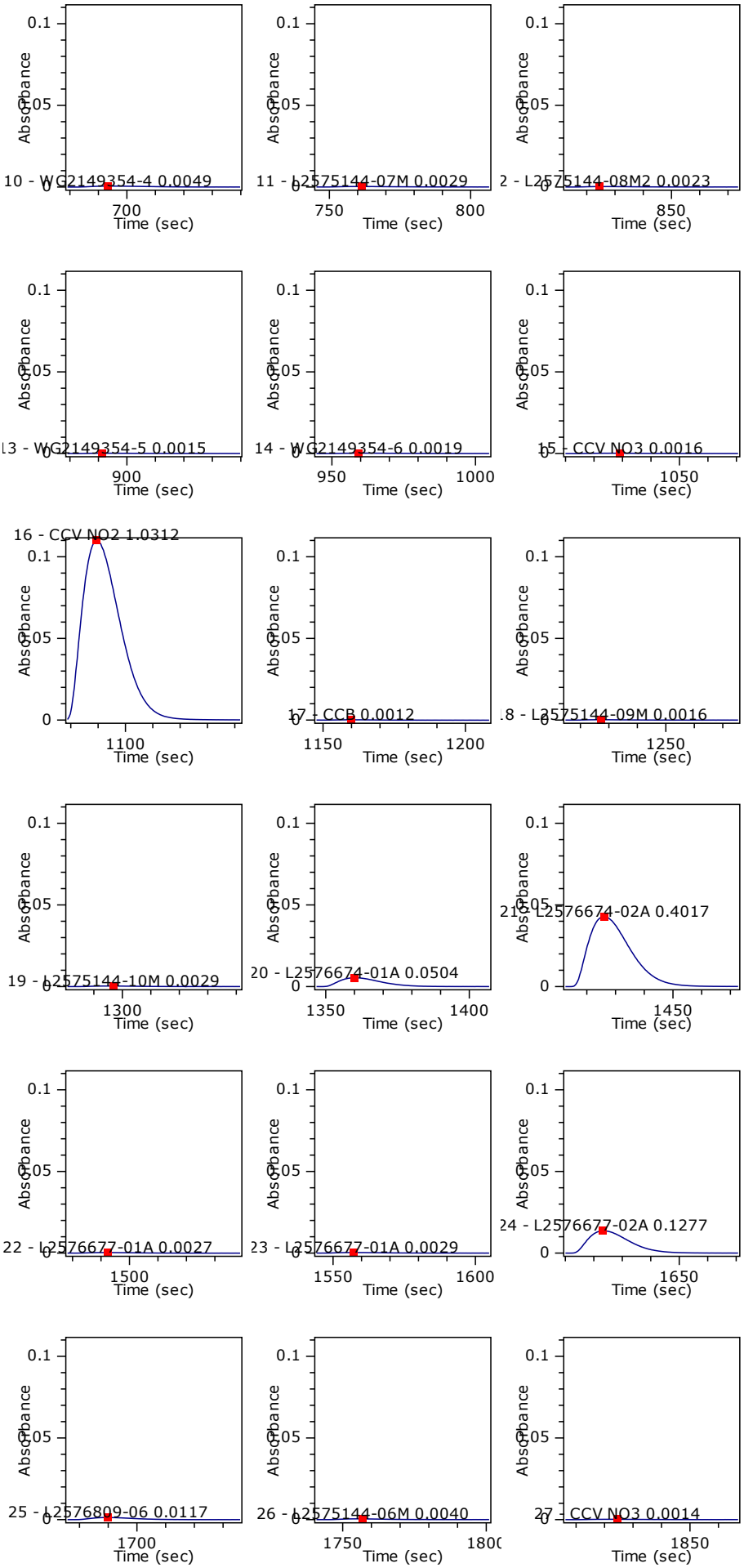


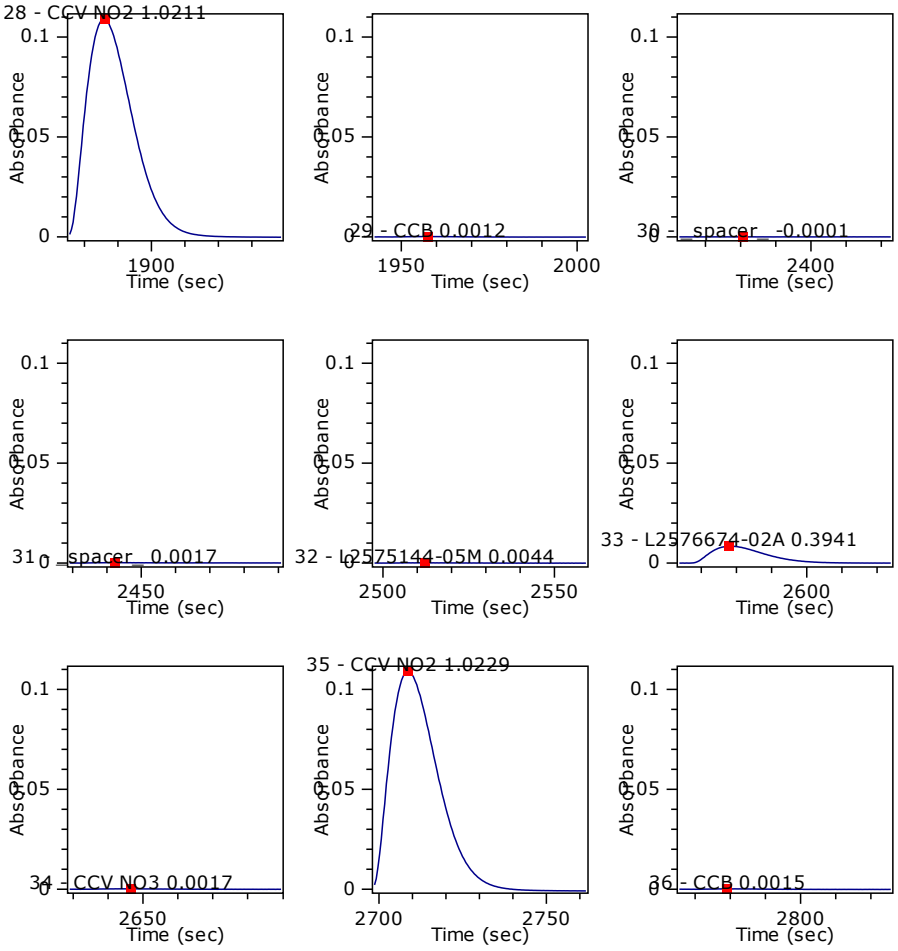

13 - WG2149354-5 0.0228
14 - WG2149354-6 4.6516
15 - CCV NO3 0.9836
16 - CCV NO2 1.0461
17 - CCB 0.0034
18 - L2575144-09M 0.0518
19 - L2575144-10M 0.3483
20 - L2576674-01A 0.3058
21 - L2576674-02A 13.5297
2576677-01A -0.0014
23 - L2576677-01A 0.0744
24 - L2576677-02A 0.7387
25 - L2576809-06 0.2658
26 - L2575144-06M 0.0821
27 - CCV NO3 1.0191
28 - CCV NO2 1.0459
29 - CCB 0.0031
Absorbance
Time (sec)



Channel: 2-NO2




10 - WG2149354-4 0.0049
11 - L2575144-07M 0.0029
12 - L2575144-08M2 0.0023
13 - WG2149354-5 0.0015
14 - WG2149354-6 0.0019
15 - CCV NO3 0.0016
16 - CCV NO2 1.0312
17 - CCB 0.0012
18 - L2575144-09M 0.0016
19 - L2575144-10M 0.0029
20 - L2576674-01A 0.0504
21 - L2576674-02A 0.4017
22 - L2576677-01A 0.0027
23 - L2576677-01A 0.0029
24 - L2576677-02A 0.1277
25 - L2576809-06 0.0117
26 - L2575144-06M 0.0040
27 - CCV NO3 0.0014
Absorbance
Time (sec)



Data Processing Parameters:

Channel: 1-NOx

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Channel: 2-NO2

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False

Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Method Log:

```
FIAsoft FIAsoft v3.1.10

FIAlyzer Settings
------------
FIAlab1 Serial Number: FIA31428
FIAlab2 Serial Number: FIA31429
Pump: Connected on COM8

Spectrometer Settings
Spectrometer1
------------
Spectrometer Type: tec5
Integration Time: 1.6
Bandwidth: 2
Data Acq Rate: 2
Use Full Spectrum: False
        |---  Low: 500nm
        |--- High: 650nm
Reduce to Boxcar: True

Spectrometer2
------------
Spectrometer Type: tec5
Integration Time: 2.5
Bandwidth: 2
Data Acq Rate: 2
Use Full Spectrum: False
        |---  Low: 500nm
        |--- High: 650nm
Reduce to Boxcar: True

Start Time
------------
2025-12-04T08:06:48

Method
------------
' Method Script for NOx-NO2

Autosave Data C:\FIAlab\Autosave Data\DateTime
FIAlab Injection Valve Sample Load
Message Cadmium Column on for NOx
FIAlab Peristaltic Pump Clockwise(%) 55

Autosampler Wash
Delay (sec) 2
Next Sample
Delay (sec) 35  'StartDelay2 - Controls initial sample introduction.

FIAlab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 2
Autosampler Position (#) Rinse
FIAlab2 Injection Valve Sample Inject
Delay (sec) 15   'StartDelay3 - Should be set equal to LoopDelay3

Autosampler Probe Up
Delay (sec) 5   'StartDelay4 - Should be set equal to LoopDelay4

Loop Start

   Analyte New Sample
```

```
    Delay (sec) 1
    Next Sample
    Autosampler Probe Force Down

    Spectrometer Reference Scan
    Spectrometer Absorbance Scanning

    Delay (sec) 3   ' LoopDelay1 - Controls sample transit & loop empty. Controls back baseline.

    FIAlab Injection Valve Sample Load

    Delay (sec) 35   ' LoopDelay2 - Controls sample transit & loop fill. Controls back baseline.

    FIAlab1 Injection Valve Sample Inject
    Autosampler Probe Up
    Delay (sec) 5
    Autosampler Position (#) Rinse
    FIAlab2 Injection Valve Sample Inject

    Delay (sec) 10   ' LoopDelay3 - Controls loop empty & probe rinse time. Inverse controls front baseline.

    Autosampler Probe Up

    Delay (sec) 3   ' LoopDelay4 - Controls loop empty. Inverse controls front baseline.

    Spectrometer Stop Scanning

Loop End

Autosampler Position (#) Rinse
Delay (sec) 20
Autosampler Probe Up
Delay (sec) 30
FIAlab Peristaltic Pump Clockwise(%) 5
Autoexport Report C:\FIAlab\autoreport\NOxNO2\DateTime
Message Run is Complete
```

Method File Location: C:\FIAlab\FIAlab User Files\Methods\Method_NOx+NO2.fia

Quality Control

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: MW-29S	**Matrix**	: WATER
Lab Sample ID	: L2575144-06		
Matrix Spike	: WG2149354-4	**MS Analysis Date**	: 12/04/25 08:18
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	**Sample Conc. (mg/l)**	**Spike Added (mg/l)**	**Spike Conc. (mg/l)**	**%R**	**Spike Added (mg/l)**	**Spike Conc. (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Nitrogen, Nitrate/Nitrite	**0.082J**	**4**	**4.4**	**110**					**80-120**	**20**

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: MW-27S	**Matrix**	: WATER
Lab Sample ID	: L2575144-08		
Matrix Spike	: WG2149354-6	**MS Analysis Date**	: 12/04/25 08:22
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
	Sample Conc.	Spike Added	Spike Conc.	%R	Spike Added	Spike Conc.	%R	RPD	Recovery Limits	RPD Limit
Parameter	(mg/l)	(mg/l)	(mg/l)		(mg/l)	(mg/l)				
Nitrogen, Nitrate/Nitrite	ND	4	4.6	115					80-120	20

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: MW-29S	**Matrix**	: WATER
Lab Sample ID	: L2575144-06	**Analysis Date**	: 12/04/25 08:36
Dup Sample ID	: WG2149354-3	**DUP Analysis Date**	: 12/04/25 08:17

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Nitrate/Nitrite	0.082J	ND	NC	20

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: MW-27S	**Matrix**	: WATER
Lab Sample ID	: L2575144-08	**Analysis Date**	: 12/04/25 08:20
Dup Sample ID	: WG2149354-5	**DUP Analysis Date**	: 12/04/25 08:21

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Nitrate/Nitrite	ND	ND	NC	20

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2149354-2	**LCS Analysis Date**	: 12/04/25 04:00
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Nitrogen, Nitrate/Nitrite	**5.00**	**5.10**	**102.**					**90-110**	**20**

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Nitrogen, Nitrate	14797-55-8	0.1	0.0228	mg/l	90-110		83-113	6	6	353.2	48 hours	1 - Plastic 250ml unpreserved
Nitrogen, Nitrate	14797-55-8	0.1	0.0228	mg/l	90-110		83-113	17	17	4500NO3-F	48 hours	1 - Plastic 250ml unpreserved
Nitrogen, Nitrite	NONE	0.05	0.0143	mg/l	90-110	20	80-120	20	20	353.2	48 hours	1 - Plastic 250ml unpreserved
Nitrogen, Nitrite	NONE	0.05	0.0143	mg/l	90-110	20	80-120	20	20	4500NO3-F	48 hours	1 - Plastic 250ml unpreserved

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

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Nitrogen, Nitrate	14797-55-8	1	0.261	mg/kg	90-110	20	80-120	20	20	4500NO3-F	48 hours	1 - Glass 250ml/8oz unpreserved
Nitrogen, Nitrite	NONE	1	0.282	mg/kg	90-110	20	80-120	20	20	4500NO3-F	48 hours	1 - Glass 250ml/8oz unpreserved

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

Calculations of Nitrogen, Nitrate

Aqueous Samples:
Compute sample N in NO3 concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

Calculate results by using reading on Channel 1 (NO3+NO2) and Channel 2 (NO2)

$$NO3\ mg/I = (NO3+NO2)\ mg/L - (NO2)\ mg/L$$

To compute final results for aqueous samples, multiply the direct reading by the dilution factor (also done using software)

$$(NO3)\text{-}N\ mg/L = mg/L\ direct\ reading \times dilution\ factor$$

Calculations of Nitrogen, Nitrite

Aqueous Samples:
Compute sample N in NO2 concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

Calculate results by using reading on Channel 2 (NO2)

To compute final results for aqueous samples, multiply the direct reading by the dilution factor (also done using software)

$$(NO2)\text{-}N\ mg/L = mg/L\ direct\ reading \times dilution\ factor$$

Sequence Logs

Graphical report generated by FIAsoft v3.1.10
Report generated on 2025-12-04 07:59:19
Data file (.dat): C:\FIAlab\Autosave Data\2025-12-04-075836.dat

Dataset Notes:

Analyst	

Dataset Notes Table Location: C:\FIAlab\FIAlab User Files\Tables\Dataset Notes\Analyst.csv

Sample Table:

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
1	Stabil	RS10	Unknown	0	1	1	1	
2	NOx 8.0ppm	RD76	Standard	1	1	1	1	
3	NOx 4.0ppm	RD77	Standard	2	1	1	1	
4	NOx 1.0ppm	RS1	Standard	3	1	1	1	
5	NOx 0.4ppm	RD78	Standard	4	1	1	1	
6	NOx 0.2ppm	RD79	Standard	5	1	1	1	
7	NOx 0.1ppm	RD80	Standard	6	1	1	1	
8	NOx 0.0ppm	RS10	Standard	7	1	1	1	
9	Nitrite 8.0ppm	RD81	Standard	8	1	1	1	
10	Nitrite 4.0ppm	RD82	Standard	9	1	1	1	
11	Nitrite 1.0ppm	RS2	Standard	10	1	1	1	
12	Nitrite 0.4ppm	RD83	Standard	11	1	1	1	
13	Nitrite 0.1ppm	RD84	Standard	13	1	1	1	
14	Nitrite 0.05ppm	RD85	Standard	14	1	1	1	
15	Nitrite 0.0ppm	RS10	Standard	15	1	1	1	
16	CCV NO3	RS1	QC	94	1	1	1	
17	CCV NO2	RS2	QC	95	1	1	1	
18	CCB	RS10	QC	96	1	1	1	
19	ICV NO3 5.0	RA1	QC	90	1	1	1	
20	ICV NO2 5.0	RA2	QC	92	1	1	1	
21	ICV NO3 0.5	RA3	QC	91	1	1	1	
22	ICV NO2 0.5	RA4	QC	93	1	1	1	
23	ICB	RA5	QC	96	1	1	1	
24	Diluter CHK 8PPM	RD1	Unknown	0	1	5	1	
25	BLANK NO3	RA7	Unknown	0	1	1	1	
26	LCS NO3	RA8	Unknown	0	1	1	1	
27	BLANK NO2	RA9	Unknown	0	1	1	1	
28	LCS NO2	RA10	Unknown	0	1	1	1	
29	CCV NO3	RS1	QC	94	1	1	1	
30	CCV NO2	RS2	QC	95	1	1	1	
31	CCB	RS10	QC	96	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
32	WG2149348-1	RA11	Unknown	0	1	1	1	
33	WG2149348-2	RA12	Unknown	0	1	1	1	
34	WG2149349-1	RA13	Unknown	0	1	1	1	
35	WG2149349-2	RA14	Unknown	0	1	1	1	
36	WG2149350-1	RA15	Unknown	0	1	1	1	
37	WG2149350-2	RA16	Unknown	0	1	1	1	
38	WG2149351-1	RA17	Unknown	0	1	1	1	
39	WG2149351-2	RA18	Unknown	0	1	1	1	
40	WG2149352-1	RA19	Unknown	0	1	1	1	
41	WG2149352-2	RA20	Unknown	0	1	1	1	
42	CCV NO3	RS1	QC	94	1	1	1	
43	CCV NO2	RS2	QC	95	1	1	1	
44	CCB	RS10	QC	96	1	1	1	
45	WG2149353-1	RA21	Unknown	0	1	1	1	
46	WG2149353-2	RA22	Unknown	0	1	1	1	
47	WG2149354-1	RA23	Unknown	0	1	1	1	
48	WG2149354-2	RA24	Unknown	0	1	1	1	
49	WG2149355-1	RA25	Unknown	0	1	1	1	
50	WG2149355-2	RA26	Unknown	0	1	1	1	
51	L2574462-01F	RA27	Unknown	0	1	1	1	
52	L2576432-01G	RA28	Unknown	0	1	1	1	
53	L2576432-02G	RA29	Unknown	0	1	1	1	
54	L2576432-03G	RA30	Unknown	0	1	1	1	
55	CCV NO3	RS1	QC	94	1	1	1	
56	CCV NO2	RS2	QC	95	1	1	1	
57	CCB	RS10	QC	96	1	1	1	
58	L2576432-04G	RA31	Unknown	0	1	1	1	
59	L2576432-05G	RA32	Unknown	0	1	1	1	
60	L2576432-06G	RA33	Unknown	0	1	1	1	
61	L2576432-07G	RA34	Unknown	0	1	1	1	
62	L2576432-08G	RA35	Unknown	0	1	1	1	
63	L2576432-09G	RA36	Unknown	0	1	1	1	
64	L2576432-10G	RA37	Unknown	0	1	1	1	
65	L2576483-01A	RA38	Unknown	0	1	1	1	
66	L2576696-08I	RA39	Unknown	0	1	1	1	
67	L2576696-09I	RA40	Unknown	0	1	1	1	
68	CCV NO3	RS1	QC	94	1	1	1	
69	CCV NO2	RS2	QC	95	1	1	1	
70	CCB	RS10	QC	96	1	1	1	
71	L2576718-01B	RA41	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
72	WG2149350-3	RA42	Unknown	0	1	1	1	
73	WG2149350-4	RA43	Unknown	0	1	1	1	
74	WG2149348-3	RA44	Unknown	0	1	1	1	
75	WG2149348-4	RA45	Unknown	0	1	1	1	
76	L2576721-01B	RA46	Unknown	0	1	1	1	
77	WG2149350-5	RA47	Unknown	0	1	1	1	
78	WG2149350-6	RA48	Unknown	0	1	1	1	
79	WG2149348-5	RA49	Unknown	0	1	1	1	
80	WG2149348-6	RA50	Unknown	0	1	1	1	
81	CCV NO3	RS1	QC	94	1	1	1	
82	CCV NO2	RS2	QC	95	1	1	1	
83	CCB	RS10	QC	96	1	1	1	
84	L2576723-01B	RA51	Unknown	0	1	1	1	
85	L2576729-01B	RA52	Unknown	0	1	1	1	
86	L2576732-01B	RA53	Unknown	0	1	1	1	
87	L2576363-01A	RA54	Unknown	0	1	1	1	
88	L2576529-01A	RA55	Unknown	0	1	1	1	
89	L2576529-02A	RA56	Unknown	0	1	1	1	
90	L2576529-03A	RA57	Unknown	0	1	1	1	
91	L2576529-04A	RA58	Unknown	0	1	1	1	
92	L2576529-05A	RA59	Unknown	0	1	1	1	
93	L2576795-01G	RA60	Unknown	0	1	1	1	
94	CCV NO3	RS1	QC	94	1	1	1	
95	CCV NO2	RS2	QC	95	1	1	1	
96	CCB	RS10	QC	96	1	1	1	
97	WG2149352-3	RA61	Unknown	0	1	1	1	
98	WG2149352-4	RA62	Unknown	0	1	1	1	
99	WG2149349-3	RA63	Unknown	0	1	1	1	
100	WG2149349-4	RA64	Unknown	0	1	1	1	
101	L2576795-03G	RA65	Unknown	0	1	1	1	
102	L2576795-04G	RA66	Unknown	0	1	1	1	
103	L2576795-05G	RA67	Unknown	0	1	1	1	
104	L2576431-01G	RA68	Unknown	0	1	1	1	
105	WG2149351-3	RA69	Unknown	0	1	1	1	
106	WG2149351-4	RA70	Unknown	0	1	1	1	
107	CCV NO3	RS1	QC	94	1	1	1	
108	CCV NO2	RS2	QC	95	1	1	1	
109	CCB	RS10	QC	96	1	1	1	
110	L2576431-02G	RA71	Unknown	0	1	1	1	
111	L2576431-03G	RA72	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
112	L2576431-04G	RA73	Unknown	0	1	1	1	
113	L2576691-01A	RA74	Unknown	0	1	1	1	
114	L2576691-02A	RA75	Unknown	0	1	1	1	
115	L2576691-03A	RA76	Unknown	0	1	1	1	
116	L2576691-04A	RA77	Unknown	0	1	1	1	
117	L2576387-02J	RA78	Unknown	0	1	1	1	
118	L2576387-03J	RA79	Unknown	0	1	1	1	
119	L2576387-05J	RA80	Unknown	0	1	1	1	
120	CCV NO3	RS1	QC	94	1	1	1	
121	CCV NO2	RS2	QC	95	1	1	1	
122	CCB	RS10	QC	96	1	1	1	
123	L2576387-07J	RA81	Unknown	0	1	1	1	
124	L2576387-09J	RA82	Unknown	0	1	1	1	
125	L2576387-10J1	RA83	Unknown	0	1	1	1	
126	WG2149353-3	RA84	Unknown	0	1	1	1	
127	WG2149353-4	RA85	Unknown	0	1	1	1	
128	L2576387-11J	RA86	Unknown	0	1	1	1	
129	L2576432-09G	RA36	Unknown	0	1	1	1	
130	L2576363-01A	RA54	Unknown	0	1	1	1	
131	L2576809-01J	RA87	Unknown	0	1	1	1	
132	L2576809-02J	RA88	Unknown	0	1	1	1	
133	CCV NO3	RS1	QC	94	1	1	1	
134	CCV NO2	RS2	QC	95	1	1	1	
135	CCB	RS10	QC	96	1	1	1	
136	L2576809-03J	RA89	Unknown	0	1	1	1	
137	L2576809-04J	RA90	Unknown	0	1	1	1	
138	L2576809-05J	RB1	Unknown	0	1	1	1	
139	WG2149351-5	RB2	Unknown	0	1	1	1	
140	WG2149351-6	RB3	Unknown	0	1	1	1	
141	WG2149348-7	RB4	Unknown	0	1	1	1	
142	WG2149348-8	RB5	Unknown	0	1	1	1	
143	L2576809-06J	RB6	Unknown	0	1	1	1	
144	L2576809-07J	RB7	Unknown	0	1	1	1	
145	L2576691-04A	RA77	Unknown	0	1	1	1	
146	CCV NO3	RS1	QC	94	1	1	1	
147	CCV NO2	RS2	QC	95	1	1	1	
148	CCB	RS10	QC	96	1	1	1	
149	L2574193-01B	RB8	Unknown	0	1	1	1	
150	WG2149355-3	RB9	Unknown	0	1	1	1	
151	WG2149355-4	RB10	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
152	L2575025-01B	RB11	Unknown	0	1	1	1	
153	L2575025-02B	RB12	Unknown	0	1	1	1	
154	L2573887-01B	RB13	Unknown	0	1	1	1	
155	L2573887-02B	RB14	Unknown	0	1	1	1	
156	L2573887-03B	RB15	Unknown	0	1	1	1	
157	L2573887-04B	RB16	Unknown	0	1	1	1	
158	L2573887-05C	RB17	Unknown	0	1	1	1	
159	CCV NO3	RS1	QC	94	1	1	1	
160	CCV NO2	RS2	QC	95	1	1	1	
161	CCB	RS10	QC	96	1	1	1	
162	L2573887-06C	RB18	Unknown	0	1	1	1	
163	L2573887-07B	RB19	Unknown	0	1	1	1	
164	L2573887-08C	RB20	Unknown	0	1	1	1	
165	L2573887-09C	RB21	Unknown	0	1	1	1	
166	L2573887-10C	RB22	Unknown	0	1	1	1	
167	L2573887-11B	RB23	Unknown	0	1	1	1	
168	CCV NO3	RS1	QC	94	1	1	1	
169	CCV NO2	RS2	QC	95	1	1	1	
170	CCB	RS10	QC	96	1	1	1	
171	_spacer_	SP0	Unknown	0	1	1	1	
172	_spacer_	SP0	Unknown	0	1	1	1	
173	L2576432-08G	RD2	Unknown	0	1	10	1	
174	WG2149350-6	RD3	Unknown	0	1	10	1	
175	WG2149348-6	RD4	Unknown	0	1	10	1	
176	L2576723-01B	RD5	Unknown	0	1	10	1	
177	L2576729-01B	RD6	Unknown	0	1	10	1	
178	L2576732-01B	RD7	Unknown	0	1	10	1	
179	L2576691-02A	RD8	Unknown	0	1	10	1	
180	L2576691-03A	RD9	Unknown	0	1	10	1	
181	CCV NO3	RS1	QC	94	1	1	1	
182	CCV NO2	RS2	QC	95	1	1	1	
183	CCB	RS10	QC	96	1	1	1	

Sample Table Location: C:\FIAlab\FIAlab User Files\Tables\Sample Tables\QC bracket NOxNO2.csv

Graphical report generated by FIAsoft v3.1.10
Report generated on 2025-12-04 08:58:08
Data file (.dat): C:\FIAlab\Autosave Data\2025-12-04-085735.dat

Dataset Notes:

Analyst	

Dataset Notes Table Location: C:\FIAlab\FIAlab User Files\Tables\Dataset Notes\Analyst.csv

Sample Table:

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
1	Stabil	RS10	Unknown	0	1	1	1	
2	CCV NO3	RS1	QC	94	1	1	1	
3	CCV NO2	RS2	QC	95	1	1	1	
4	CCB	RS10	QC	96	1	1	1	
5	L2575144-02M	RB24	Unknown	0	1	1	1	
6	L2575144-03M	RB25	Unknown	0	1	1	1	
7	L2575144-05M	RB26	Unknown	0	1	1	1	
8	L2575144-06M	RB27	Unknown	0	1	1	1	
9	WG2149354-3	RB28	Unknown	0	1	1	1	
10	WG2149354-4	RB29	Unknown	0	1	1	1	
11	L2575144-07M	RB30	Unknown	0	1	1	1	
12	L2575144-08M2	RB31	Unknown	0	1	1	1	
13	WG2149354-5	RB32	Unknown	0	1	1	1	
14	WG2149354-6	RB33	Unknown	0	1	1	1	
15	CCV NO3	RS1	QC	94	1	1	1	
16	CCV NO2	RS2	QC	95	1	1	1	
17	CCB	RS10	QC	96	1	1	1	
18	L2575144-09M	RB34	Unknown	0	1	1	1	
19	L2575144-10M	RB35	Unknown	0	1	1	1	
20	L2576674-01A	RB36	Unknown	0	1	1	1	
21	L2576674-02A	RB37	Unknown	0	1	1	1	
22	L2576677-01A	RB38	Unknown	0	1	1	1	
23	L2576677-01A	RB38	Unknown	0	1	1	1	
24	L2576677-02A	RB39	Unknown	0	1	1	1	
25	L2576809-06	RB6	Unknown	0	1	1	1	
26	L2575144-06M	RB27	Unknown	0	1	1	1	
27	CCV NO3	RS1	QC	94	1	1	1	
28	CCV NO2	RS2	QC	95	1	1	1	
29	CCB	RS10	QC	96	1	1	1	
30	_spacer_	SP0	Unknown	0	1	1	1	
31	_spacer_	SP0	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
32	L2575144-05M	RD10	Unknown	0	1	5	1	
33	L2576674-02A	RD11	Unknown	0	1	5	1	
34	CCV NO3	RS1	QC	94	1	1	1	
35	CCV NO2	RS2	QC	95	1	1	1	
36	CCB	RS10	QC	96	1	1	1	

Sample Table Location: C:\FIAlab\FIAlab User Files\Tables\Sample Tables\QC bracket NOxNO2.csv

Total Organic Carbon Analysis

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-02	**Date Collected**	: 11/24/25 10:45
Client ID	: MW-10S	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/02/25 00:38
Sample Matrix	: WATER	**Dilution Factor**	: 4
Analytical Method	: 1,9060A	**Analyst**	: DEW
Lab File ID	: wg2148235.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	5.1	2.0	0.39	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-03	**Date Collected**	: 11/24/25 10:10
Client ID	: MW-3S	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/02/25 00:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9060A	**Analyst**	: DEW
Lab File ID	: wg2148235.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	7.6	0.50	0.09	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-05	**Date Collected**	: 11/24/25 11:35
Client ID	: MW-8S	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/02/25 00:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9060A	**Analyst**	: DEW
Lab File ID	: wg2148235.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	0.76	0.50	0.09	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-06	**Date Collected**	: 11/24/25 11:55
Client ID	: MW-29S	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/02/25 00:38
Sample Matrix	: WATER	**Dilution Factor**	: 4
Analytical Method	: 1,9060A	**Analyst**	: DEW
Lab File ID	: wg2148235.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	10.	2.0	0.39	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-07	**Date Collected**	: 11/24/25 13:20
Client ID	: MW-28S	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/02/25 00:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9060A	**Analyst**	: DEW
Lab File ID	: wg2148235.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	2.2	0.50	0.09	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-08	**Date Collected**	: 11/24/25 12:40
Client ID	: MW-27S	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/02/25 00:38
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,9060A	**Analyst**	: DEW
Lab File ID	: wg2148235.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	4.0	1.0	0.19	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-09	**Date Collected**	: 11/24/25 12:00
Client ID	: DUP-112425	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/02/25 00:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9060A	**Analyst**	: DEW
Lab File ID	: wg2148235.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	7.3	0.50	0.09	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-10	**Date Collected**	: 11/24/25 14:05
Client ID	: MW-2D	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/02/25 00:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9060A	**Analyst**	: DEW
Lab File ID	: wg2148235.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	6.4	0.50	0.09	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575144
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: WG2148235-1	Date Collected	: NA
Client ID	: WG2148235-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/02/25 00:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,9060A	Analyst	: DEW
Lab File ID	: wg2148235.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7440-44-0	Total Organic Carbon	ND	0.50	0.09	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2148235-3	**Date Collected**	: 11/24/25 11:55
Client ID	: MW-29SDUP	**Date Received**	: 11/24/25
Sample Location	:	**Date Analyzed**	: 12/02/25 00:38
Sample Matrix	: WATER	**Dilution Factor**	: 4
Analytical Method	: 1,9060A	**Analyst**	: dew
Lab File ID	: wg2148235.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	10.	2.0	0.39	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2148235-5	**Date Collected**	: 11/24/25 12:40
Client ID	: MW-27SDUP	**Date Received**	: 11/24/25
Sample Location	:	**Date Analyzed**	: 12/02/25 00:38
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,9060A	**Analyst**	: dew
Lab File ID	: wg2148235.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	3.9	1.0	0.19	

Instr.Information

System TOC4
Instrument Options TOC/ASI/Sparge Kit/

TOC4 DMW 111825 111825 DMW

Cal. Curve

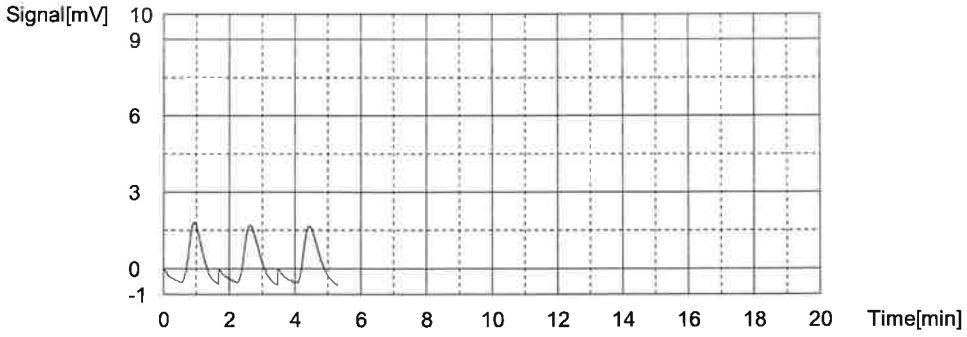
Sample Name: 11182025 TOC4 CURVE
Sample ID:
Cal. Curve: 11182025 TOC4 CURVE.2025_11_18_00_24_28.cal
Status Completed

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut Dil.	Rem.	Ex.	Date / Time
1	6.562	500uL	1	*******		11/18/2025 12:3
2	6.975	500uL	1	*******		11/18/2025 12:3
3	7.315	500uL	1	*******		11/18/2025 12:4

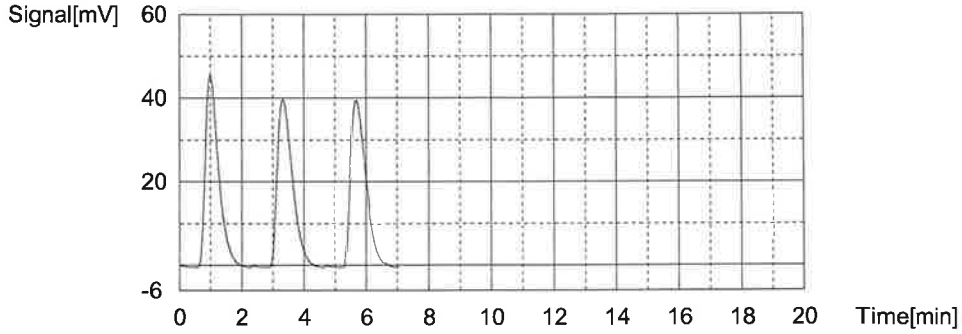
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 6.951



Conc: 0.5000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	141.7	500uL	1	*******		11/18/2025 12:5
2	142.8	500uL	1	*******		11/18/2025 12:5
3	143.8	500uL	1	*******		11/18/2025 1:03

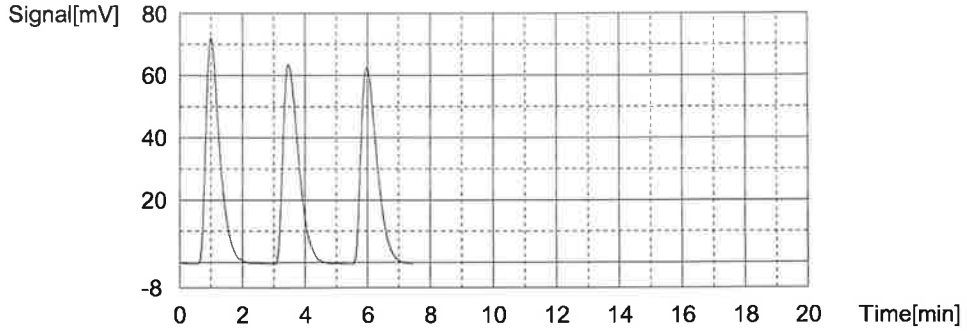
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 142.8



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	230.7	500uL	1	*******		11/18/2025 1:14
2	231.3	500uL	1	*******		11/18/2025 1:19
3	232.3	500uL	1	*******		11/18/2025 1:23

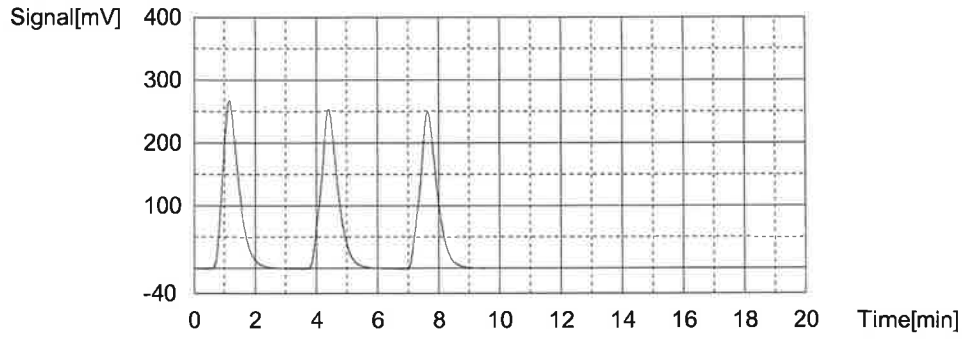
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 231.4



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1001	500uL	1	*******		11/18/2025 1:3
2	1006	500uL	1	*******		11/18/2025 1:4
3	1004	500uL	1	*******		11/18/2025 1:4

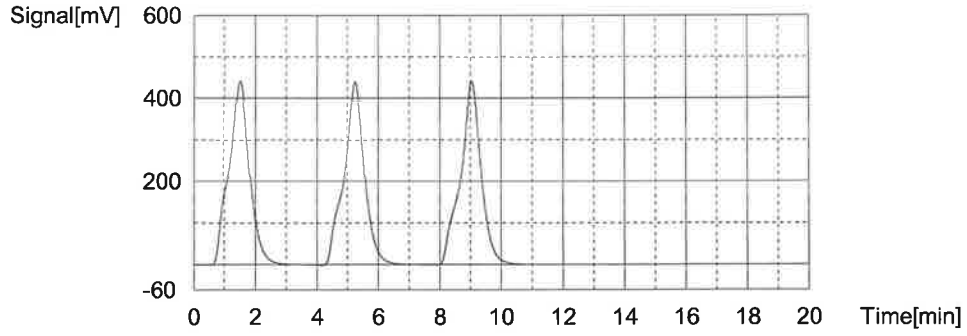
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 1004



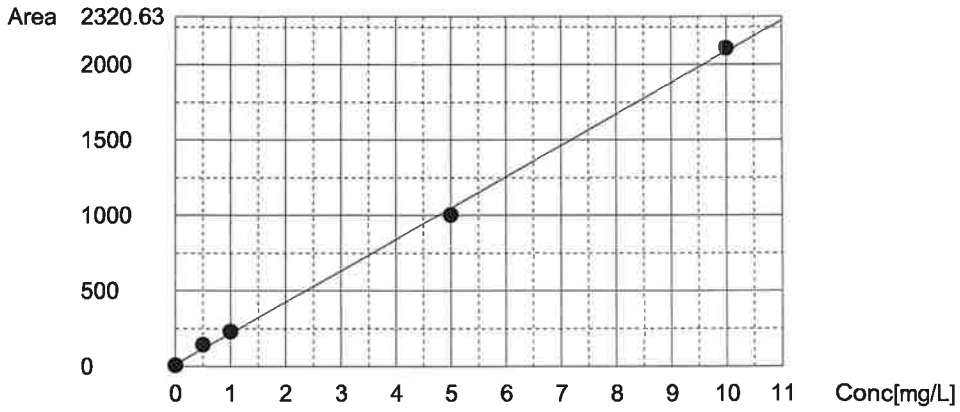
Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	2107	500uL	1	*******		11/18/2025 1:5
2	2097	500uL	1	*******		11/18/2025 2:0
3	2125	500uL	1	*******		11/18/2025 2:1

Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 2110



Slope: 207.3 m
Intercept 14.72 y
r^2 0.9989
r 0.9994
Zero ShiftNo



Conc.	A	A-ybm	%
0	4.951	0.618	124
0.5	142.8	~~0.617~~	~~119~~ X
1.0	231.4	1.05	105
5.0	1004	4.77	95
10.0	2110	10.11	101

√ smw

Sample Raw Data

Instr.Information

System TOC4
Instrument Options TOC/ASI/Sparge Kit/

Sample

Sample Name: DI
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

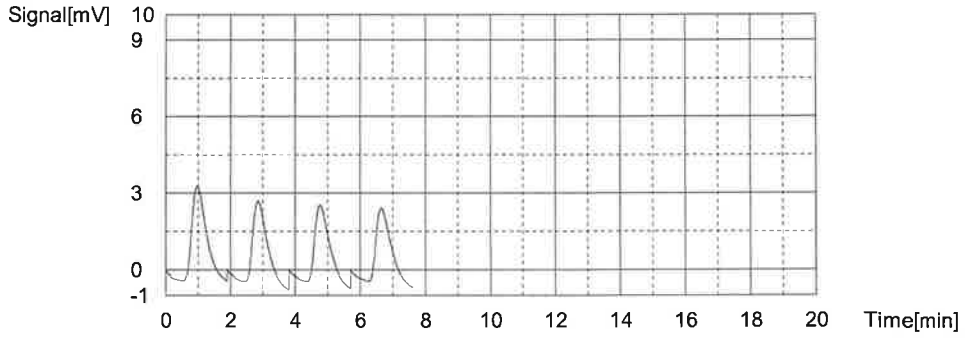
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.02094mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	11.80	1409mg/L	500uL	1		11182025 TOC4 CURVE..	12/1/2025 11:48
2	10.34	2113mg/L	500uL	1		11182025 TOC4 CURVE..	12/1/2025 11:53
3	9.852	2348mg/L	500uL	1		11182025 TOC4 CURVE..	12/1/2025 11:58
4	9.527	2505mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 12:02

Mean Area 10.38
Mean Conc. -0.02094r



Sample

Sample Name: IC CK STD
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

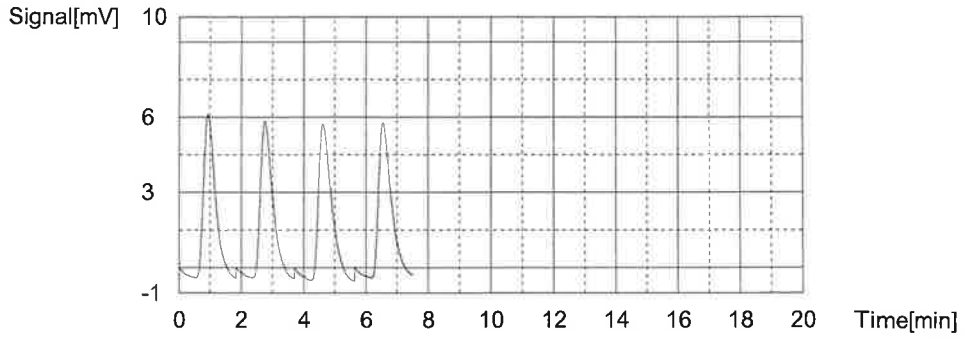
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.01563mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	17.80	01485mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 12:1
2	17.64	01408mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 12:1
3	18.56	01852mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 12:2
4	17.84	01505mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 12:2

Mean Area 17.96
Mean Conc. 0.01563m



Sample

Sample Name: ICV
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

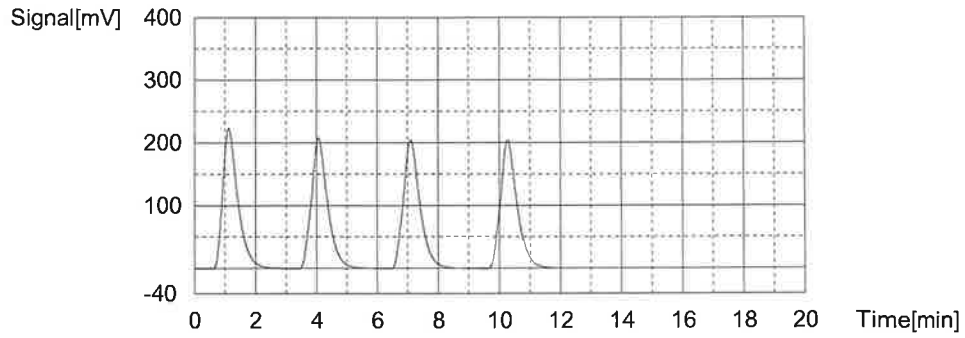
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:3.785mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	795.1	3.764mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 12:38
2	802.5	3.800mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 12:43
3	799.2	3.784mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 12:48
4	801.4	3.794mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 12:53

Mean Area 799.6
Mean Conc. 3.785mg/l



Sample

Sample Name: ICB
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

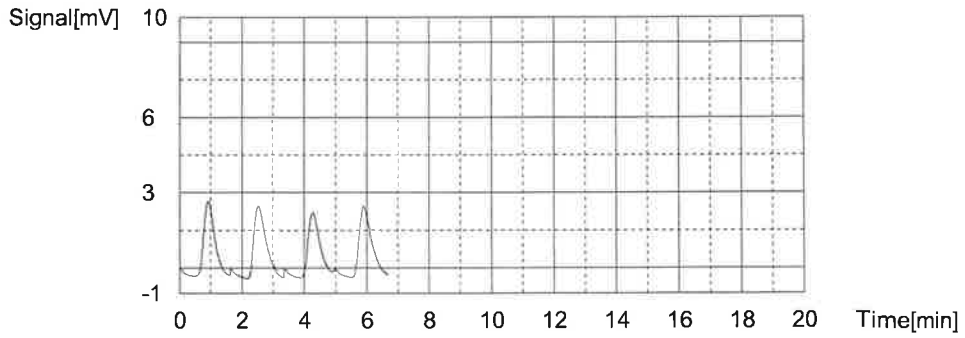
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.03543mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	7.237	03609mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 1:04:
2	8.114	03186mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 1:09:
3	6.286	04068mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 1:14:
4	7.859	03309mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 1:20:

Mean Area 7.374
Mean Conc. -0.03543r



Sample

Sample Name: MB
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

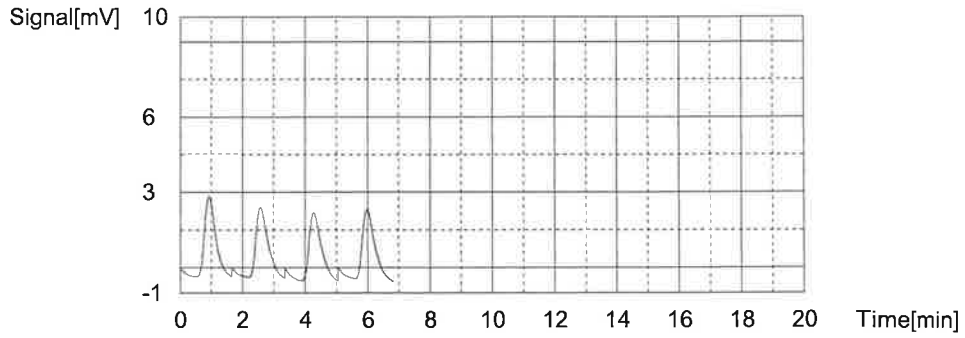
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.03371mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	8.074	03206mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 1:30:
2	7.606	03432mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 1:35:
3	7.471	03497mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 1:39:
4	7.774	03350mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 1:44:

Mean Area 7.731
Mean Conc. -0.03371r



Sample

Sample Name: LCS
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

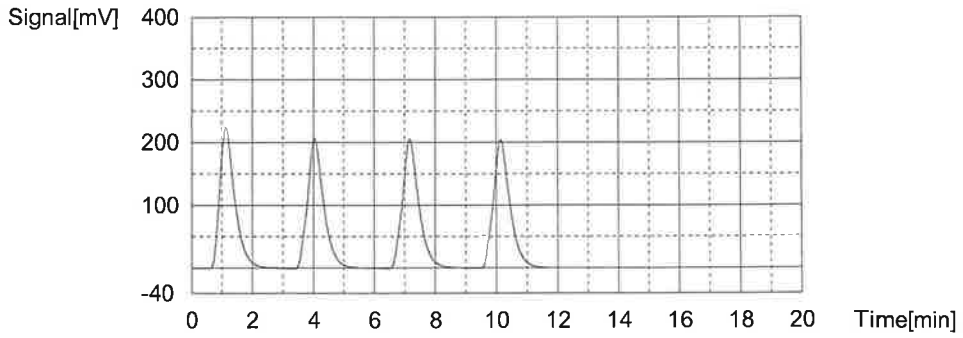
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:3.764mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	793.3	3.755mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 1:55:
2	798.4	3.780mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 2:00:
3	794.7	3.762mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 2:05:
4	794.2	3.760mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 2:10:

Mean Area 795.2
Mean Conc. 3.764mg/l



Sample

Sample Name: 73602-01
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

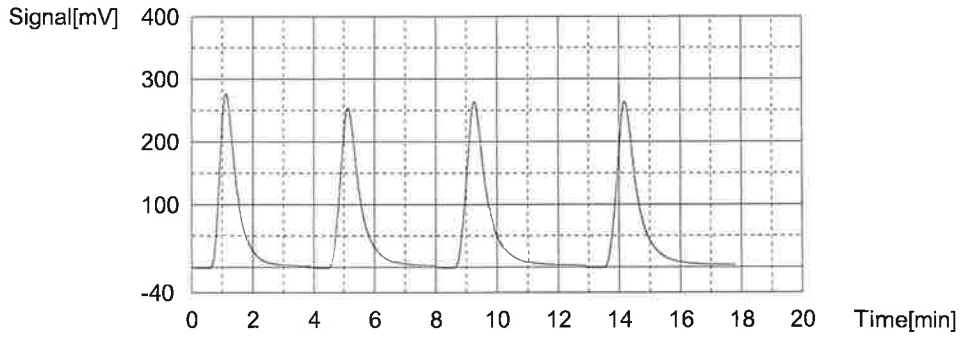
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:5.806mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	1121	5.336mg/L	500uL	1		11182025 TOC4 CURVE.!	12/2/2025 3:20:
2	1186	5.649mg/L	500uL	1		11182025 TOC4 CURVE.!	12/2/2025 3:26:
3	1276	6.084mg/L	500uL	1		11182025 TOC4 CURVE.!	12/2/2025 3:33:
4	1291	6.156mg/L	500uL	1		11182025 TOC4 CURVE.!	12/2/2025 3:42:

Mean Area 1219
Mean Conc. 5.806mg/l



Sample

Sample Name: 73602-02
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

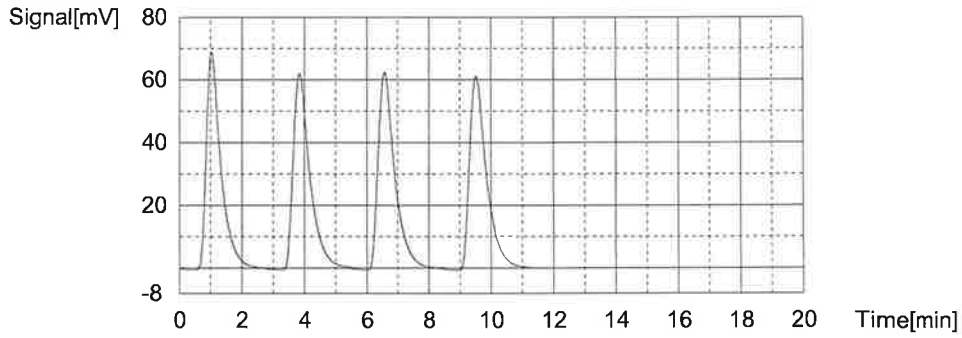
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.090mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	234.8	1.062mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 3:54:
2	238.6	1.080mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 3:58:
3	245.3	1.112mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 4:03:
4	244.3	1.107mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 4:09:

Mean Area 240.8
Mean Conc. 1.090mg/l



Sample

Sample Name: 73968-01
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

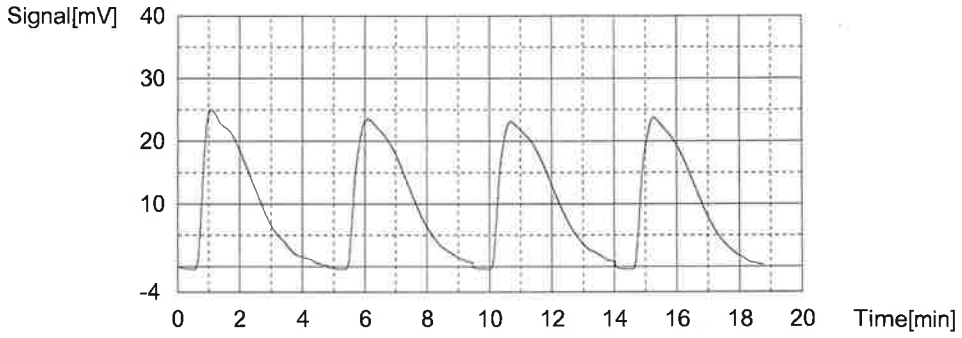
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.250mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	276.0	1.260mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 4:22:
2	274.9	1.255mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 4:29:
3	268.6	1.225mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 4:36:
4	275.8	1.259mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 4:43:

Mean Area 273.8
Mean Conc. 1.250mg/l



Sample

Sample Name: 73968-03
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

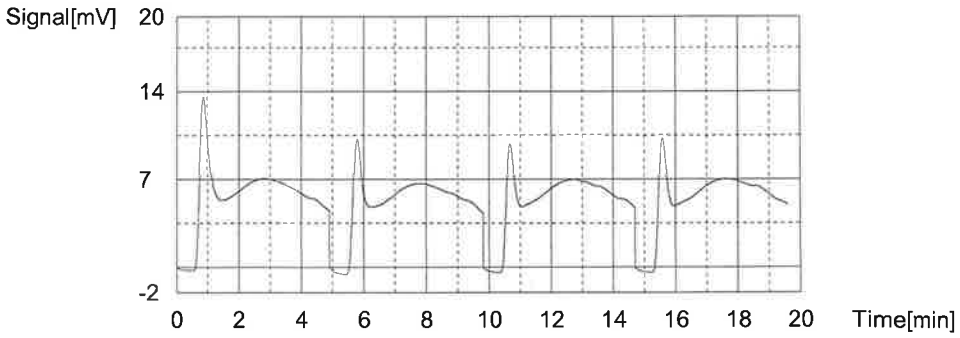
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4383mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	112.6	.4721mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 4:56:
2	104.9	.4350mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 5:03:
3	101.5	.4186mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 5:11:
4	103.4	.4277mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 5:19:

Mean Area 105.6
Mean Conc. 0.4383mg



Sample

Sample Name: 73968-06
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

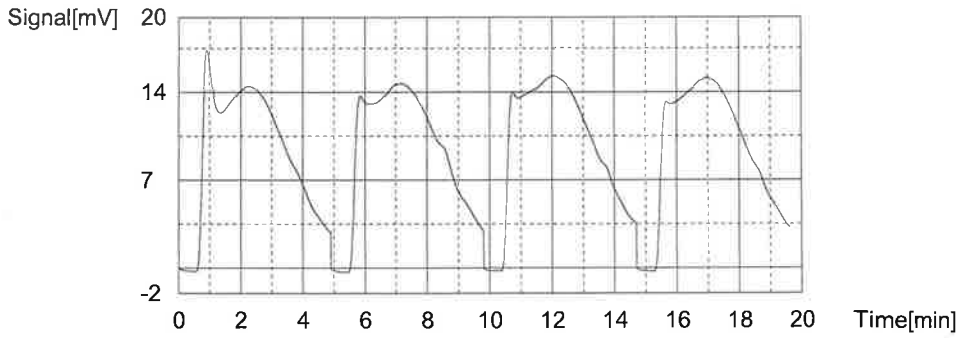
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.112mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	242.2	1.097mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 5:33:
2	245.5	1.113mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 5:40:
3	246.9	1.120mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 5:49:
4	246.7	1.119mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 5:57:

Mean Area 245.3
Mean Conc. 1.112mg/l



Sample

Sample Name: 73968-08
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

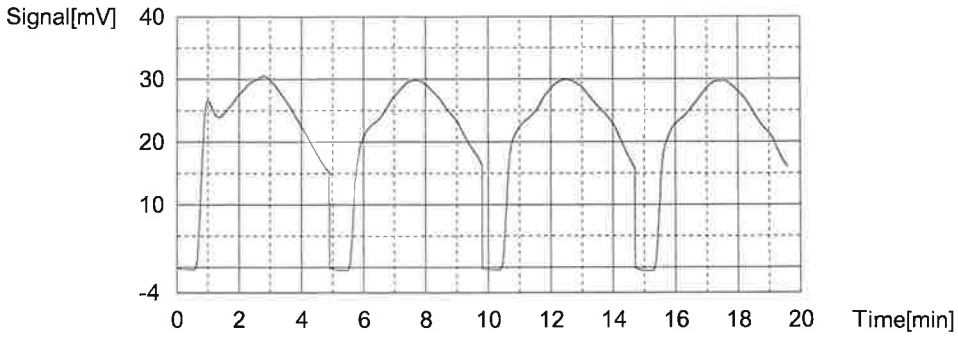
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.998mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	444.3	2.072mg/L	500uL	1		11182025 TOC4 CURVE....	12/2/2025 6:10:
2	420.7	1.958mg/L	500uL	1		11182025 TOC4 CURVE....	12/2/2025 6:19:
3	425.6	1.982mg/L	500uL	1		11182025 TOC4 CURVE....	12/2/2025 6:27:
4	425.3	1.980mg/L	500uL	1		11182025 TOC4 CURVE....	12/2/2025 6:36:

Mean Area 429.0
Mean Conc. 1.998mg/l



Sample

Sample Name: 73968-10
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

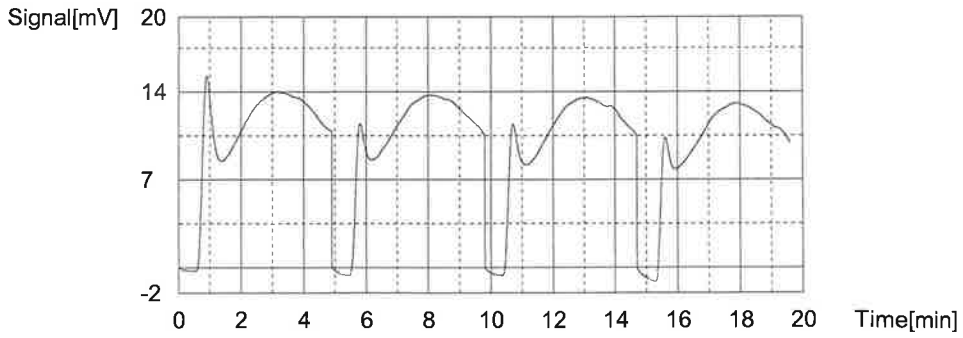
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.7399mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	172.3	.7601mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 6:49:
2	171.3	.7552mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 6:58:
3	162.2	.7113mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 7:06:
4	166.7	.7330mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 7:14:

Mean Area 168.1
Mean Conc. 0.7399mg



Sample

Sample Name: 73968-12
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

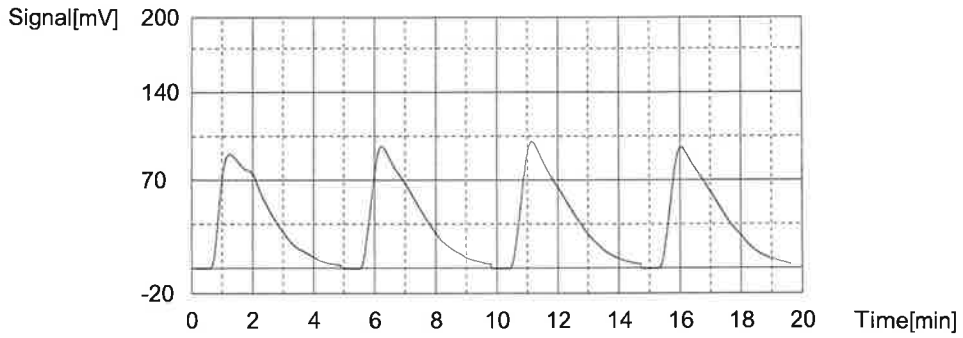
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:4.845mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1003	4.767mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 7:27:
2	1008	4.791mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 7:35:
3	1034	4.916mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 7:42:
4	1032	4.907mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 7:50:

Mean Area 1019
Mean Conc. 4.845mg/l



Sample

Sample Name: CCV
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

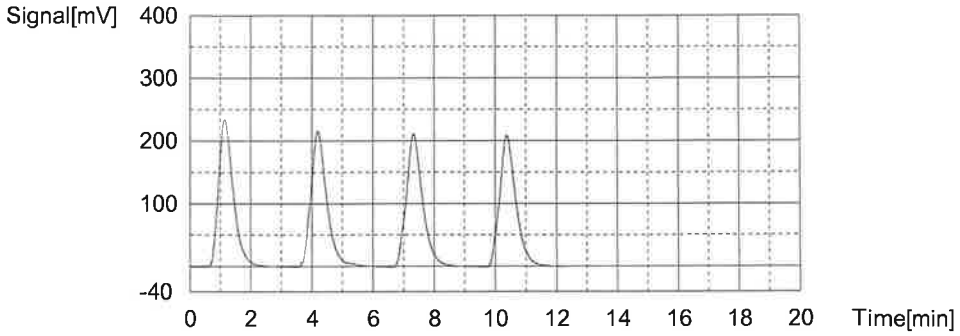
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:3.849mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	817.7	3.873mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 8:12:
2	816.6	3.868mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 8:17:
3	811.5	3.843mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 8:22:
4	805.1	3.812mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 8:27:

Mean Area 812.7
Mean Conc. 3.849mg/l



Sample

Sample Name: CCB
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

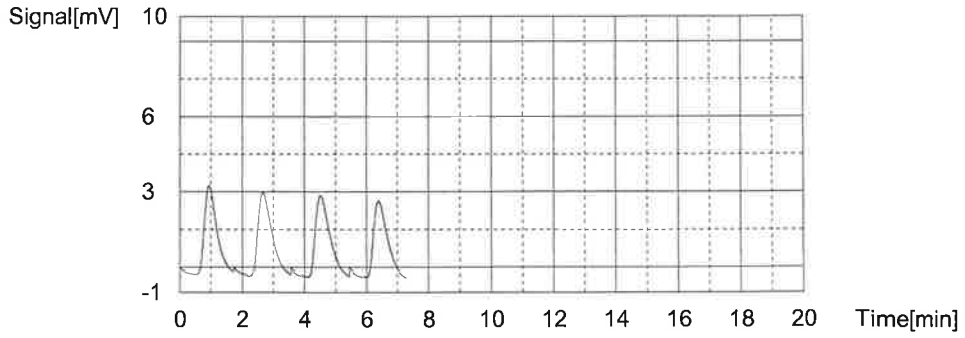
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.02209mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.789	2379mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 8:38:
2	10.46	2055mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 8:42:
3	10.64	1968mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 8:47:
4	9.677	2433mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 8:51:

Mean Area 10.14
Mean Conc. -0.02209r



Sample

Sample Name: 73968-14
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

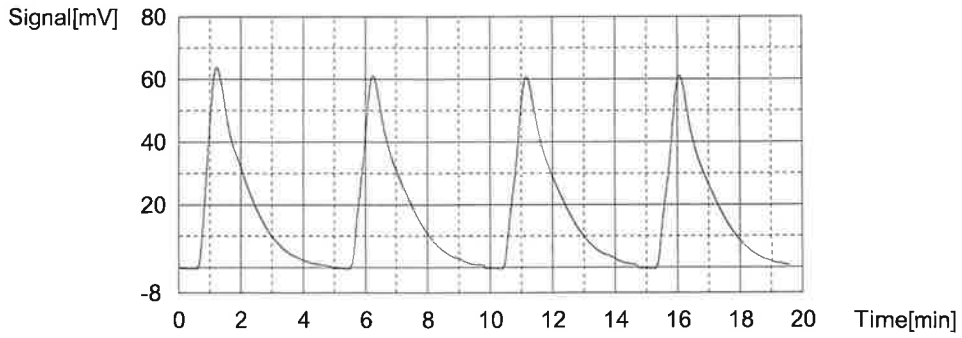
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:2.430mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	513.9	2.408mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 9:04:
2	518.8	2.431mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 9:12:
3	520.2	2.438mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 9:19:
4	521.1	2.442mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 9:26:

Mean Area 518.5
Mean Conc. 2.430mg/l



Sample

Sample Name: 73968-19
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

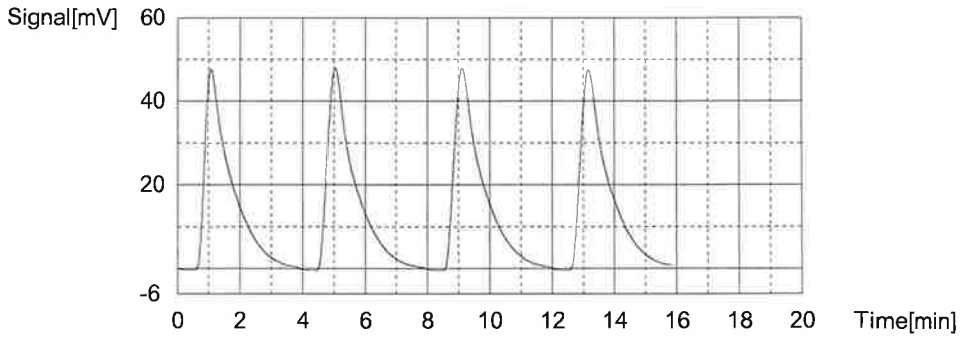
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.357mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	284.7	1.302mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 9:38:
2	297.9	1.366mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 9:45:
3	304.4	1.397mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 9:51:
4	297.6	1.364mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 9:57:

Mean Area 296.1
Mean Conc. 1.357mg/l



Sample

Sample Name: 73968-28 4X
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:5.271mg/L

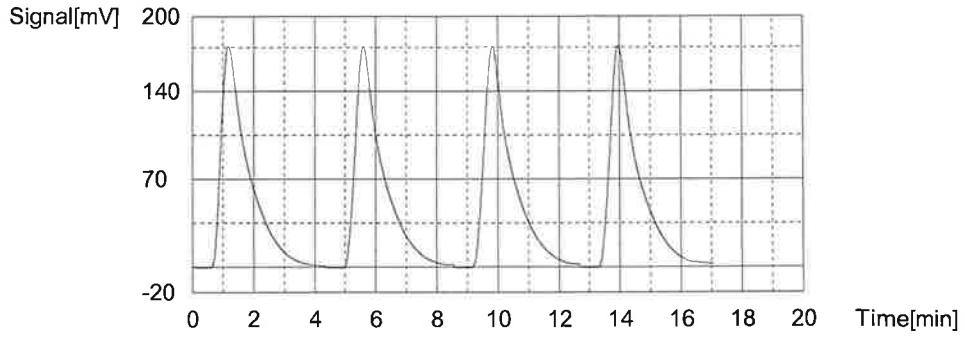
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	1103	5.249mg/L	500uL	1		11182025 TOC4 CURVE.t	12/2/2025 10:1(
2	1106	5.264mg/L	500uL	1		11182025 TOC4 CURVE.t	12/2/2025 10:1(
3	1108	5.273mg/L	500uL	1		11182025 TOC4 CURVE.t	12/2/2025 10:2:
4	1113	5.297mg/L	500uL	1		11182025 TOC4 CURVE.t	12/2/2025 10:3:

21.1

Mean Area 1108
Mean Conc. 5.271mg/l



Sample

Sample Name: 75144-02 4X
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.272mg/L

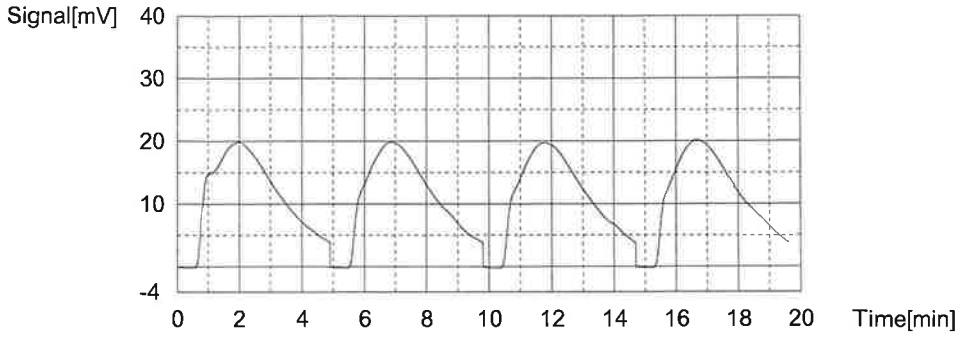
1. Det

5.09
JK

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	277.1	1.266mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 10:4
2	278.0	1.270mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 10:5
3	275.8	1.259mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 11:0
4	282.8	1.293mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 11:0

Mean Area 278.4
Mean Conc. 1.272mg/l



Sample

Sample Name: 75144-03
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

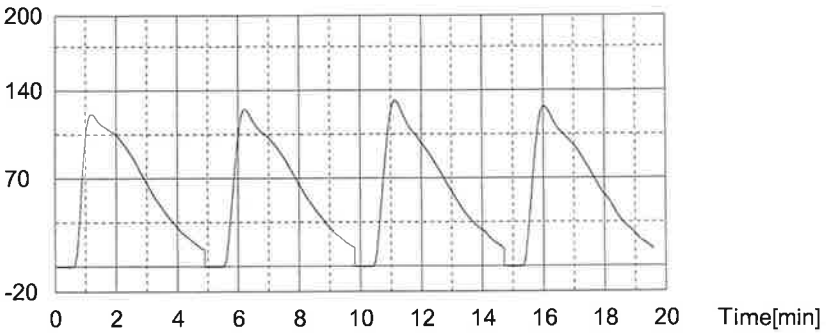
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:7.593mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	1586	7.579mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 11:2
2	1583	7.564mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 11:3
3	1584	7.569mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 11:3
4	1603	7.661mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 11:4

Mean Area 1589
Mean Conc. 7.593mg/l



Sample

Sample Name: 75144-05
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

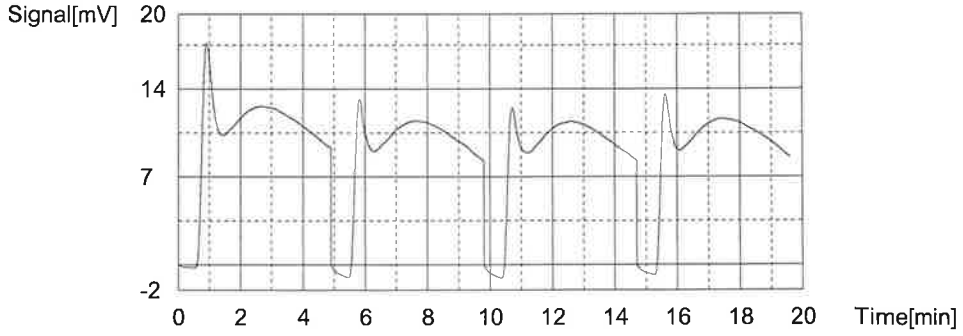
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.7626mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	182.3	.8083mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 12:0
2	171.8	.7576mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 12:0
3	166.7	.7330mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 12:1
4	170.5	.7514mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 12:2

Mean Area 172.8
Mean Conc. 0.7626mg



Sample

Sample Name: 75144-06 4X
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:2.585mg/L

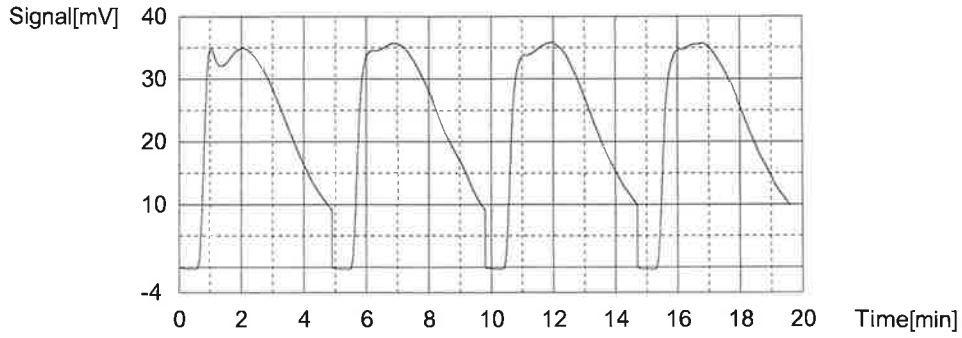
1. Det

10.3 ut

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	540.4	2.536mg/L	500uL	1		11182025 TOC4 CURVE.!	12/2/2025 12:3
2	563.8	2.648mg/L	500uL	1		11182025 TOC4 CURVE.!	12/2/2025 12:4
3	545.4	2.560mg/L	500uL	1		11182025 TOC4 CURVE.!	12/2/2025 12:5
4	552.7	2.595mg/L	500uL	1		11182025 TOC4 CURVE.!	12/2/2025 1:04:

Mean Area 550.6
Mean Conc. 2.585mg/l



Sample

Sample Name: 75144-07
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

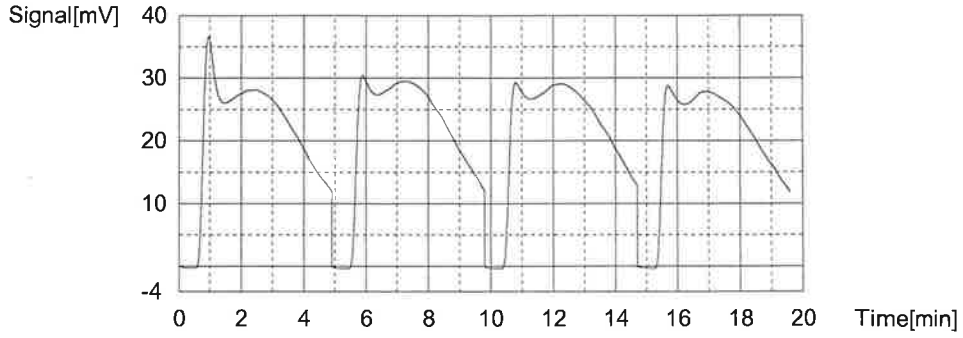
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:2.157mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	462.0	2.157mg/L	500uL	1		11182025 TOC4 CURVE.:	12/2/2025 1:17:
2	478.8	2.238mg/L	500uL	1		11182025 TOC4 CURVE.:	12/2/2025 1:26:
3	459.3	2.144mg/L	500uL	1		11182025 TOC4 CURVE.:	12/2/2025 1:34:
4	447.6	2.088mg/L	500uL	1		11182025 TOC4 CURVE.:	12/2/2025 1:43:

Mean Area 461.9
Mean Conc. 2.157mg/l



Sample

Sample Name: 75144-08 2X
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.975mg/L

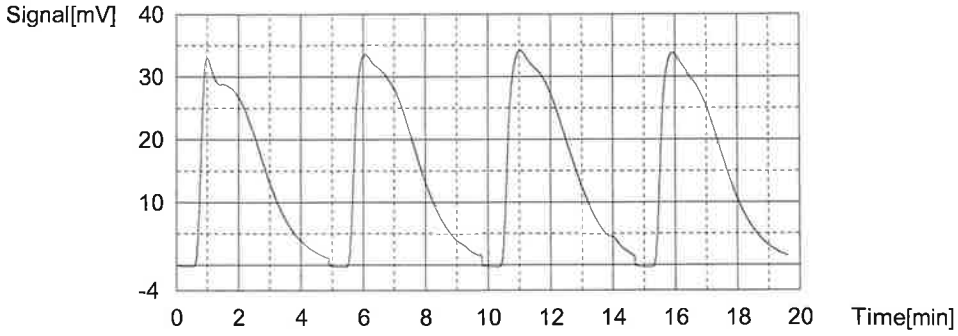
1. Det

Anal.: NPOC

3.95
VA

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	399.6	1.856mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 1:56:
2	431.5	2.010mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 2:03:
3	439.2	2.047mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 2:11:
4	426.4	1.986mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 2:18:

Mean Area 424.2
Mean Conc. 1.975mg/l



Sample

Sample Name: 75144-09
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

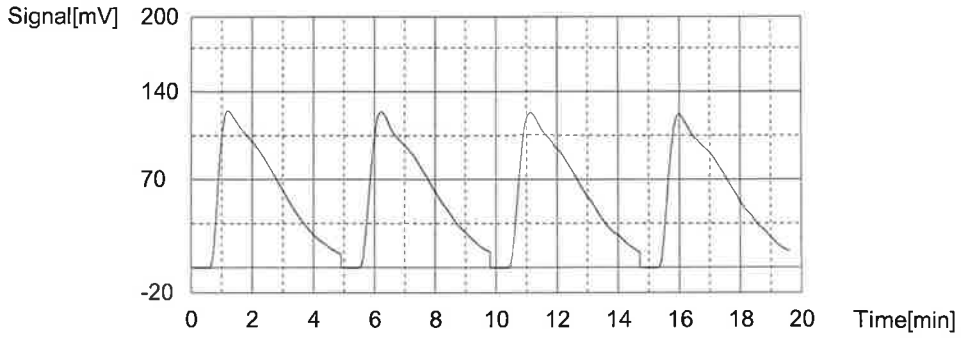
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:7.312mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	1540	7.357mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 2:31:
2	1535	7.333mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 2:40:
3	1524	7.280mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 2:48:
4	1524	7.280mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 2:56:

Mean Area 1531
Mean Conc. 7.312mg/l



Sample

Sample Name: CCV
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

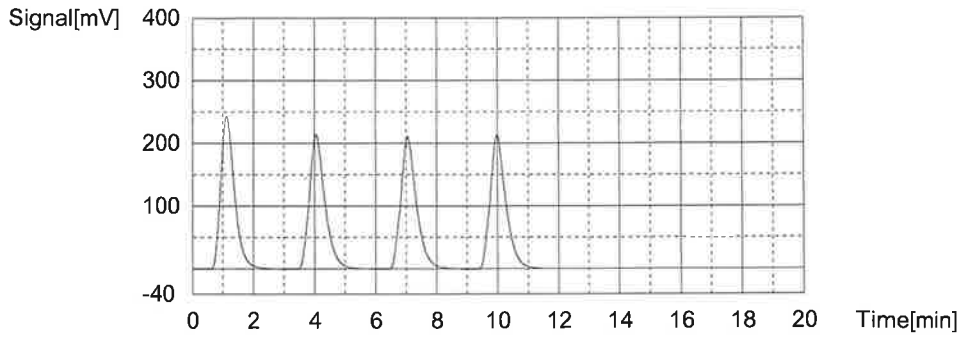
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:3.725mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	792.8	3.753mg/L	500uL	1		11182025 TOC4 CURVE.:	12/2/2025 3:11:
2	785.3	3.717mg/L	500uL	1		11182025 TOC4 CURVE.:	12/2/2025 3:17:
3	782.2	3.702mg/L	500uL	1		11182025 TOC4 CURVE.:	12/2/2025 3:22:
4	787.4	3.727mg/L	500uL	1		11182025 TOC4 CURVE.:	12/2/2025 3:27:

Mean Area 786.9
Mean Conc. 3.725mg/l



Sample

Sample Name: CCB
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

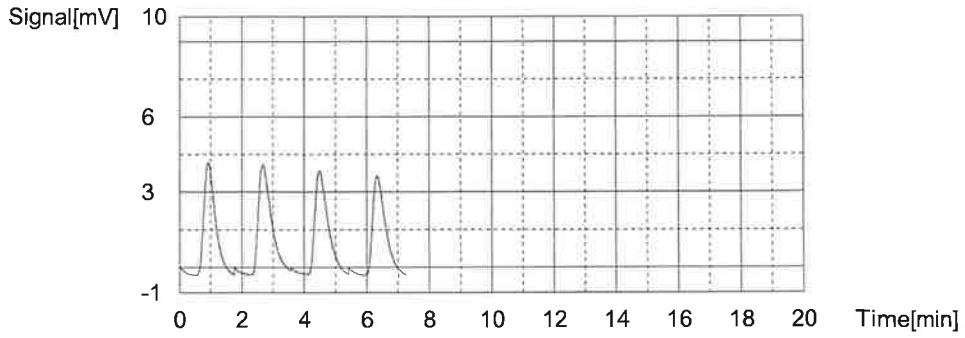
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.01234mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.95	1336mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 3:37:
2	12.90	0878mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 3:41:
3	12.23	1201mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 3:46:
4	11.57	1520mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 3:50:

Mean Area 12.16
Mean Conc. -0.01234r



Sample

Sample Name: 75144-06 DUP 4X
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:2.487mg/L

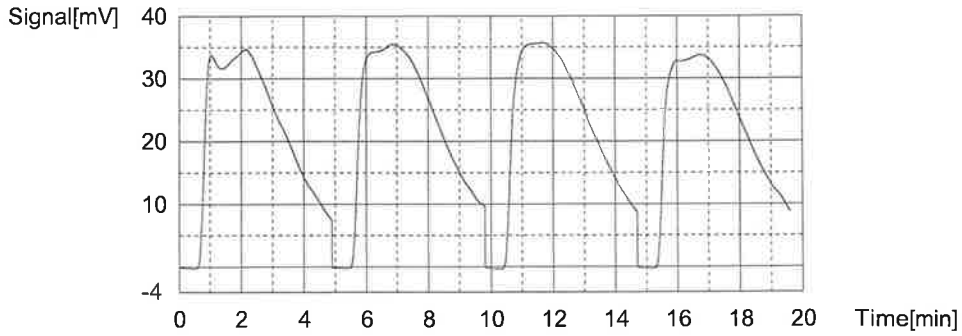
9.95 ut

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	524.9	2.461mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 4:03:
2	533.5	2.502mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 4:12:
3	539.6	2.532mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 4:20:
4	523.6	2.454mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 4:28:

Mean Area 530.4
Mean Conc. 2.487mg/l



Sample

Sample Name: 75144-06 SPK 20X
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:4.505mg/L

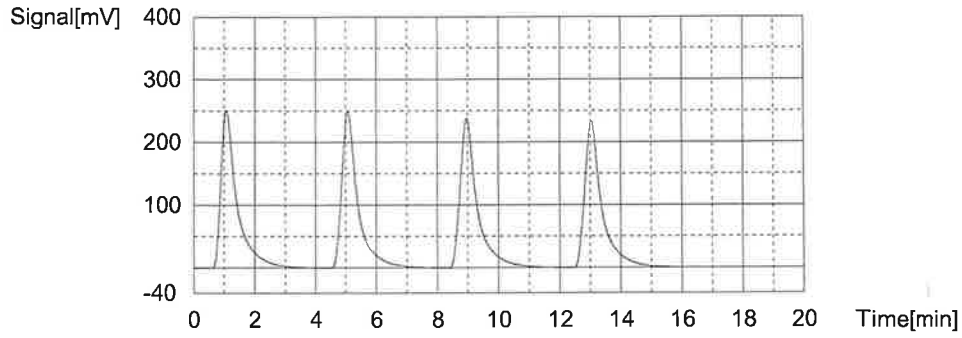
90.1
20+

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	950.3	4.513mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 4:41:
2	948.7	4.505mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 4:47:
3	954.1	4.531mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 4:53:
4	942.2	4.474mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 4:59:

Mean Area 948.8
Mean Conc. 4.505mg/l



Sample

Sample Name: 75144-08 DUP 2X
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.961mg/L

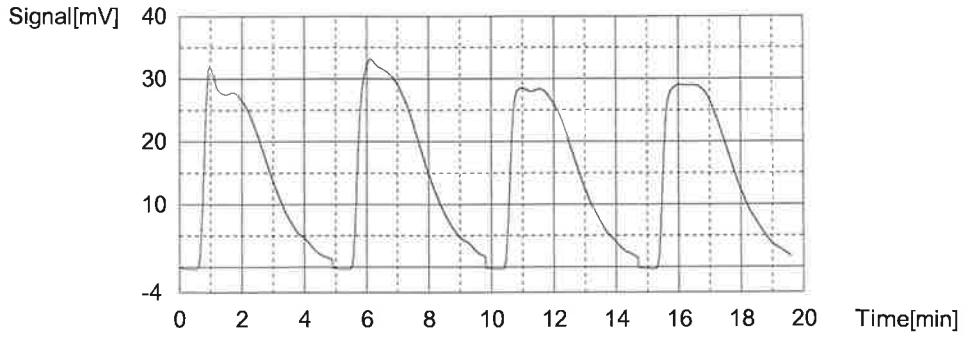
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	400.3	1.860mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 5:12:
2	448.8	2.094mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 5:20:
3	407.6	1.895mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 5:27:
4	428.2	1.994mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 5:35:

392
NA

Mean Area 421.2
Mean Conc. 1.961mg/l



Sample

Sample Name: 75144-08 SPK 10X
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:4.240mg/L

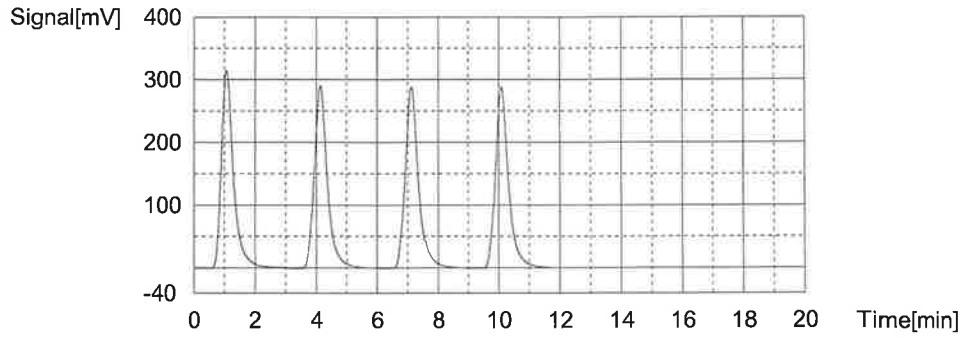
1. Det

42.4
10X

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	888.8	4.216mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 5:46:
2	897.3	4.257mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 5:52:
3	897.0	4.256mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 5:57:
4	892.0	4.231mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 6:02:

Mean Area 893.8
Mean Conc. 4.240mg/l



Sample

Sample Name: 75144-10
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

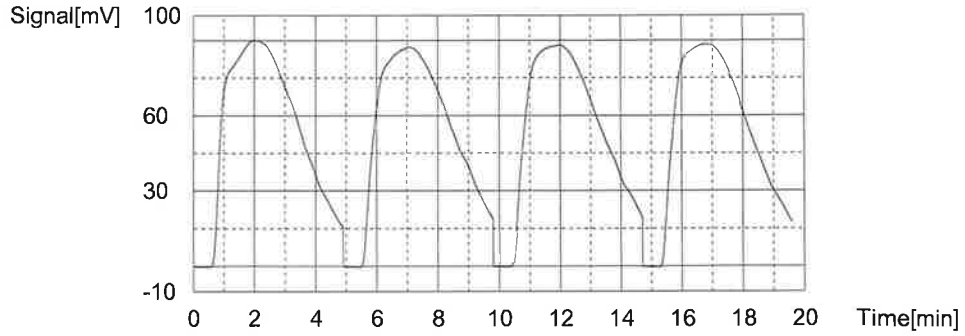
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:6.436mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1380	6.585mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 6:15:
2	1343	6.407mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 6:23:
3	1323	6.310mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 6:32:
4	1350	6.440mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 6:41:

Mean Area 1349
Mean Conc. 6.436mg/l



Sample

Sample Name: 75403-01
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

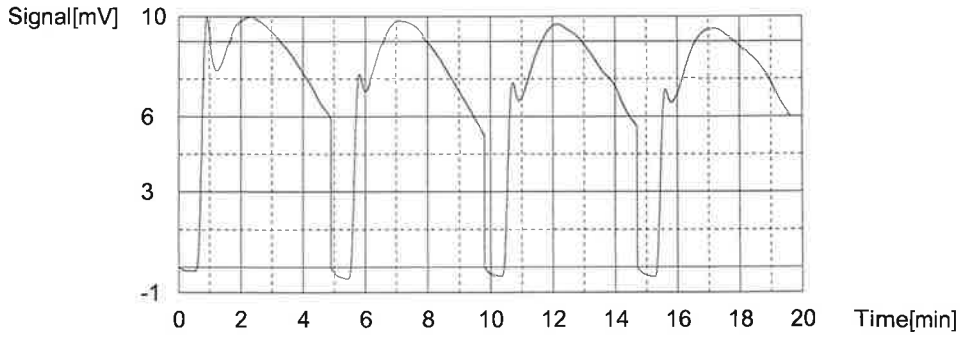
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.6040mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	143.2	.6197mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 6:54:
2	145.7	.6318mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 7:02:
3	136.3	.5864mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 7:10:
4	134.6	.5782mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 7:18:

Mean Area 140.0
Mean Conc. 0.6040mg



Sample

Sample Name: CCV
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

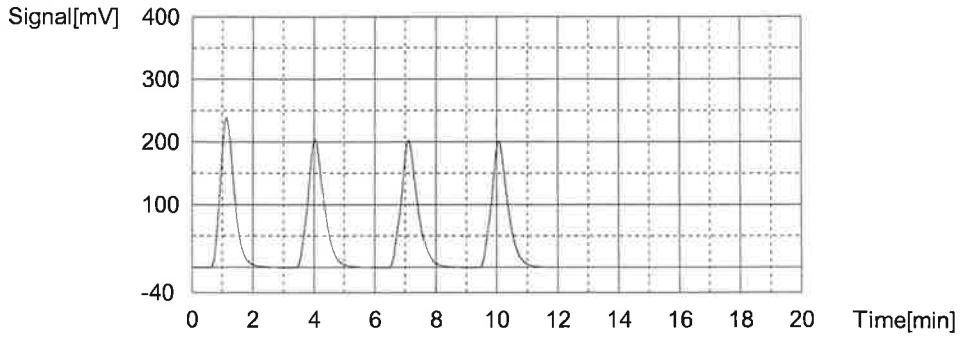
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:3.694mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	786.2	3.721mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 7:54:
2	780.7	3.695mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 7:59:
3	779.8	3.690mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 8:04:
4	775.5	3.669mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 8:09:

Mean Area 780.6
Mean Conc. 3.694mg/l



Sample

Sample Name: CCB
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

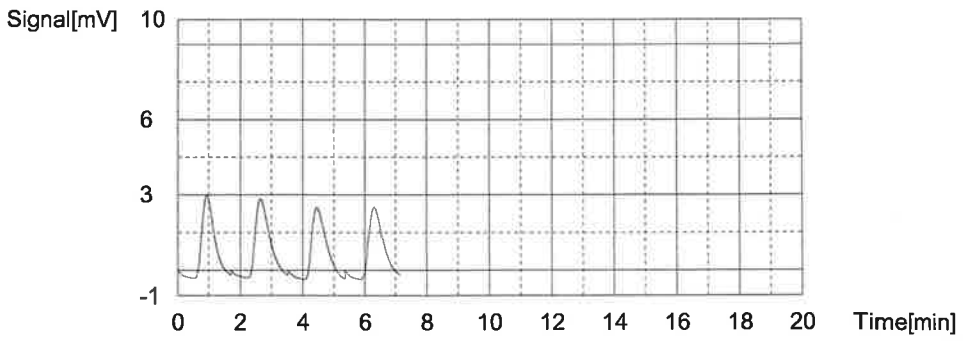
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.02600mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.005	2757mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 8:25:
2	10.06	2248mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 8:29:
3	9.366	2583mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 8:34:
4	8.892	2811mg/L	500uL	1		11182025 TOC4 CURVE..	12/2/2025 8:38:

Mean Area 9.331
Mean Conc. -0.02600r



Quality Control

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: MW-29S	**Matrix**	: WATER
Lab Sample ID	: L2575144-06		
Matrix Spike	: WG2148235-4	**MS Analysis Date**	: 12/02/25 00:38
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Total Organic Carbon	10.	80	90.	100					80-120	20

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: MW-27S	**Matrix**	: WATER
Lab Sample ID	: L2575144-08		
Matrix Spike	: WG2148235-6	**MS Analysis Date**	: 12/02/25 00:38
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Total Organic Carbon	4.0	40	42.	96					80-120	20

Form 6
Lab Duplicates

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2575144
Project Name	:	1000 TURK HILL RD GWS	**Project Number**	:	3113.0001Y000
Client Sample ID	:	MW-29S	**Matrix**	:	WATER
Lab Sample ID	:	L2575144-06	**Analysis Date**	:	12/02/25 00:38
Dup Sample ID	:	WG2148235-3	**DUP Analysis Date**	:	12/02/25 00:38

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Total Organic Carbon	10.	10.	0	20

Form 6
Lab Duplicates

Client	:	**Roux Env. Eng. & Geology, DPC**	**Lab Number**	:	**L2575144**
Project Name	:	**1000 TURK HILL RD GWS**	**Project Number**	:	**3113.0001Y000**
Client Sample ID	:	**MW-27S**	**Matrix**	:	**WATER**
Lab Sample ID	:	**L2575144-08**	**Analysis Date**	:	**12/02/25 00:38**
Dup Sample ID	:	**WG2148235-5**	**DUP Analysis Date**	:	**12/02/25 00:38**

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Total Organic Carbon	4.0	3.9	3	20

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2148235-2	**LCS Analysis Date**	: 12/02/25 00:38
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Total Organic Carbon	**4.00**	**3.80**	**94.**					**90-110**	**20**

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Total Organic Carbon	7440-44-0	0.5	0.114	mg/l	90-110		80-120	20	20	9060A	28 days	3 - Vial H2SO4 preserved
Total Organic Carbon	7440-44-0	0.5	0.114	mg/l	90-110		80-120	20	20	5310C	28 days	2 - Vial H2SO4 preserved

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

Calculations of TOC

Aqueous samples:

The TOC Talk Software calculates the area of the peaks produced by the analyzer, compares them to the peak area of the calibration standard stored in its memory, and calculates a mean TOC value from two injections in mg/L.

If the sample was manually diluted prior to analysis, the calculated mean must be manually multiplied by the dilution factor. The Reported Detection Limit is also multiplied by the same dilution factor.

$$\text{Result, mg/L} = \frac{\text{area - y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

Sequence Logs

TE: JMB 120225	CURVE ID: TOC4 111825	WORKING STDS ID:	
ALYST: MW	STOCK STDS ID:	4 PPM ICV: JMB 120225-ICV	
	2000 PPM CURVE SLN: JMB 071525-C	4 PPM LCS : JMB 120225-LCS	
	2000 PPM ICV/LCS/SPK SLN JMB 071525-W	4 PPM SPK: JMB 071525-W	
	400 PPM IC CK STD SLN: JMB 101625-2 CW	10 PPM IC CK STD: JMB 120225-ICV	

POSITION	SAMPLE	DIL X	PH	COMMENTS
1	DI			
2	ICV/CCV			—
3	ICB			—
4	MB			—
5	MB			—
6	LCS			—
7	73602.1	1	2	— RPD 14.1%
8	2	1	2	—
9	73968.1	1	2	—
10	3	1	2	—
11	6	1	2	—
12	8	1	2	—
13	10	1	2	—
14	12	1	2	—
15	CW			—
16	CCV			-
17	73968.14	1	2	-
18	14	1	2	-
19	7.8	4	2	-
20	75144.2	4	2	-
21	3	1	2	-
22	5	1	2	-
23	6	4	2	-
24	7	1	2	-
25	8	2	2	-
26	9	1	2	-

POSITION	SAMPLE	DIL X	PH	COMMENTS
27	CW			
28	CCV MW 12/2			
29	44-60 ~~44-10~~	4		
30	-6 SPK	20		
31	-8 DD	2		
32	-8 SPK	10		
33	-10	1		
34	75403-1	1		
35	CW			
36	CCV			
37				
38				
39				
40				
41				
42				
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45				
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52				

Sulfate Analysis

Results

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2575144
Project Name	:	1000 TURK HILL RD GWS	Project Number	:	3113.0001Y000
Lab ID	:	L2575144-02	Date Collected	:	11/24/25 10:45
Client ID	:	MW-10S	Date Received	:	11/24/25
Sample Location	:	1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	:	12/02/25 12:00
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500SO4-E	Analyst	:	MRW
Lab File ID	:	WG2147958.csv	Instrument ID	:	SPEC6
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	12/02/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
14808-79-8	Sulfate	1.8	10	1.4	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-03	**Date Collected**	: 11/24/25 10:10
Client ID	: MW-3S	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/02/25 12:00
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2147958.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 12/02/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	100	100	14.	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-05	**Date Collected**	: 11/24/25 11:35
Client ID	: MW-8S	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/02/25 12:00
Sample Matrix	: WATER	**Dilution Factor**	: 5
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2147958.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 12/02/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	100	50	6.8	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-06	**Date Collected**	: 11/24/25 11:55
Client ID	: MW-29S	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/02/25 10:15
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2147957.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 12/02/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	9.6	10	1.4	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2575144
Project Name	:	1000 TURK HILL RD GWS	Project Number	:	3113.0001Y000
Lab ID	:	L2575144-07	Date Collected	:	11/24/25 13:20
Client ID	:	MW-28S	Date Received	:	11/24/25
Sample Location	:	1000 TURK HILL RD, FAIRPORT, NY	Date Analyzed	:	12/02/25 12:00
Sample Matrix	:	WATER	Dilution Factor	:	2.5
Analytical Method	:	121,4500SO4-E	Analyst	:	MRW
Lab File ID	:	WG2147958.csv	Instrument ID	:	SPEC6
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	12/02/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
14808-79-8	Sulfate	44.	25	3.4	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-08	**Date Collected**	: 11/24/25 12:40
Client ID	: MW-27S	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/02/25 12:00
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2147958.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 12/02/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	35.	10	1.4	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-09	**Date Collected**	: 11/24/25 12:00
Client ID	: DUP-112425	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/02/25 12:00
Sample Matrix	: WATER	**Dilution Factor**	: 5
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2147958.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 12/02/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	120	50	6.8	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575144-10	**Date Collected**	: 11/24/25 14:05
Client ID	: MW-2D	**Date Received**	: 11/24/25
Sample Location	: 1000 TURK HILL RD, FAIRPORT, NY	**Date Analyzed**	: 12/02/25 12:00
Sample Matrix	: WATER	**Dilution Factor**	: 12.5
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2147958.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 12/02/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	500	120	17.	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2147957-1	**Date Collected**	: NA
Client ID	: WG2147957-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/02/25 10:15
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2147957.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 12/02/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	1.9	10	1.4	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2147957-3	**Date Collected**	: 11/24/25 11:55
Client ID	: MW-29SDUP	**Date Received**	: 11/24/25
Sample Location	:	**Date Analyzed**	: 12/02/25 10:15
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2147957.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 12/02/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	11.	10	1.4	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2147958-1	**Date Collected**	: NA
Client ID	: WG2147958-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/02/25 12:00
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2147958.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 12/02/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	1.9	10	1.4	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2147958-3	**Date Collected**	: 11/24/25 12:40
Client ID	: MW-27SDUP	**Date Received**	: 11/24/25
Sample Location	:	**Date Analyzed**	: 12/02/25 12:00
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2147958.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 12/02/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	36.	10	1.4	

Sample Raw Data

PACE ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

S U L F A T E

Last Change 3/5/13
File SO4-L.xlt
Curve/spike/ccv;WC-3646
LCS;WC-3587
Reagent;lot A5217

Sample Number: _____ **Product:** **SO4-4500**
Curve Calibration Date : 12/02/25
Client: _____ **Curve Identifier:** 12/2/2025
Analysis: **Sulfate, SO4** **Analysis Analyte:** **Sulfate**
Method: **SM 4500SO4-E** **Analysis Date:** 12/2/2025 10:15
Instrument: **SPEC6** **Preparation Date:** 12/2/2025 10:15
Wavelength: **420 nm** **Technician:** MRW
Spike Volume(ml): **0.5** **Work group:** WG2147957
Spike Concentration (mg/l): **1000** **RL:** **10 mg/l**
Cell: **2.5 cm**

Standard ID	Mean signal (pk area) abs	Dilution	Calc-ed Result
0	0.000	1.0	1.67
10	0.164	1.0	8.77
20	0.389	1.0	18.5
40	0.910	1.0	41.1

Calibration Curve
Volume: 25 ml

Slope	y-intercept
0.023106	-0.0386

Correlation Coefficient
0.995656

ICV/LCS Concentration (mg/l) = 20.0000

	Sample number	Sample Volume (ml)	Final Volume (ml)	Bkgd. Abs.	Gross Abs.	Net Absorbance	RESULT (mg/l)	Dilution Factor	RL Multiplier	FINAL RESULT (mg/l)	
	ICB	25	25	0	0.003	0.003	1.937	1	1.0	1.9	**Recovery**
	ICV	25	25	0	0.456	0.456	21.372	1	1.0	21.4	107%
SAMP	L2573506-10	25	25	0.064	0.532	0.468	21.887	1	1.0	21.9	
SAMP	L2573506-11	5	25	0.01	0.423	0.413	19.527	1	5.0	97.6	
SAMP	L2573506-12	12.5	25	0.107	0.508	0.401	19.012	1	2.0	38.0	
SAMP	L2573506-13	10	25	0.012	0.733	0.721	32.742	1	2.5	81.9	
SAMP	L2573506-14	10	25	0.006	0.56	0.554	25.577	1	2.5	63.9	
SAMP	L2573506-15	5	25	0.003	0.413	0.410	19.399	1	5.0	97.0	
SAMP	L2573506-16	10	25	0.003	0.552	0.549	25.362	1	2.5	63.4	
SAMP	L2573508-01	5	25	0.163	0.494	0.331	16.009	1	5.0	80.0	**FILTERED**
	CCV1	25	25	0	0.455	0.455	21.329	1	1.0	21.3	
	CCB1	25	25	0	0.003	0.003	1.937	1	1.0	1.9	
SAMP	L2573508-02	10	25	0.015	0.587	0.572	26.349	1	2.5	65.9	
SAMP	L2573924-01	25	25	0.006	0.444	0.438	20.600	1	1.0	20.6	
SAMP	L2573924-02	25	25	0.183	0.629	0.446	20.943	1	1.0	20.9	
SAMP	L2573924-03	25	25	0.184	0.439	0.255	12.748	1	1.0	12.7	**FILTERED**
SAMP	L2573924-04	25	25	0.007	0.466	0.459	21.501	1	1.0	21.5	
SAMP	L2573924-05	25	25	0.004	0.554	0.550	25.405	1	1.0	25.4	
SAMP	L2573924-06	25	25	0.078	0.747	0.669	30.511	1	1.0	30.5	
SAMP	L2573924-07	25	25	0.008	0.182	0.174	9.273	1	1.0	9.3	
SAMP	L2573968-01	10	25	0.003	0.33	0.327	15.837	1	2.5	39.6	
SAMP	L2573968-03	25	25	0.03	0.385	0.355	17.039	1	1.0	17.0	
	CCV2	25	25	0	0.452	0.452	21.200	1	1.0	21.2	
	CCB2	25	25	0	0.004	0.004	1.979	1	1.0	2.0	
SAMP	L2573968-06	25	25	0.02	0.384	0.364	17.425	1	1.0	17.4	
SAMP	L2575144-06	25	25	0.051	0.233	0.182	9.616	1	1.0	9.6	
	CCV3	25	25	0	0.452	0.452	21.200	1	1.0	21.2	
	CCB3	25	25	0	0.006	0.006	2.065	1	1.0	2.1	
BLANK	WG2147957-1	25	25	0.000	0.003	0.003	1.937	1	1.0	1.9	
DUP	WG2147957-3	25	25	0.051	0.256	0.205	10.603	1	1.0	10.6	**L2575144-06**

	Sample number	sample volume	Final volume (ml)	Bkgd. Abs.	Gross Abs.	Absorbance	Sample Result mg/l	Spiked Volume	Spike conc. mg/l	Spike Result mg/l	Recovery %
MS	WG2147957-4	12.5	25	0.026	0.614	0.588	0.000	12.5	40.0000	54	**135**
											L2575144-06
LCS	WG2147957-2	25	25	0	0.456	0.456		1	20.0000	21	**107**

PACE ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

S U L F A T E

Last Change 3/5/13
File SO4-L.xlt
Curve/spike/ccv;WC-3646
LCS;WC-3587
Reagent;lot A5217

Sample Number: _____ **Product:** **SO4-9038**
Curve Calibration Date : 12/02/25
Client: _____ **Curve Identifier:** 12/2/2025
Analysis: **Sulfate, SO4** **Analysis Analyte:** **Sulfate**
Method: **EPA 9038** **Analysis Date:** 12/2/2025 12:00
Instrument: **SPEC6** **Preparation Date:** 12/2/2025 12:00
Wavelength: **420 nm** **Technician:** MRW
Spike Volume(ml): **0.5** **Work group:** WG2147958
Spike Concentration (mg/l): **1000** **RL:** **10 mg/l**
Cell: **2.5 cm**

Standard ID	Mean signal (pk area) abs	Dilution	Calc-ed Result
0	0.000	1.0	1.67
10	0.164	1.0	8.77
20	0.389	1.0	18.5
40	0.910	1.0	41.1

Calibration Curve
Volume: 25 ml

Slope	y-intercept
0.023106	-0.0386

Correlation Coefficient
0.995656

ICV/LCS Concentration (mg/l) = 20.0000

	Sample number	Sample Volume (ml)	Final Volume (ml)	Bkgd. Abs.	Gross Abs.	Net Absorbance	RESULT (mg/l)	Dilution Factor	RL Multiplier	FINAL RESULT (mg/l)	
	ICB	25	25	0	0.003	0.003	1.937	1	1.0	1.9	**Recovery**
	ICV	25	25	0	0.447	0.447	20.986	1	1.0	21.0	105%
SAMP	L2573968-08	10	25	0.008	0.576	0.568	26.177	1	2.5	65.4	
SAMP	L2573968-10	2.5	25	0.004	0.204	0.200	10.389	1	10.0	103.9	
SAMP	L2573968-12	25	25	0.057	0.063	0.006	2.065	1	1.0	2.1	
SAMP	L2573968-14	25	25	0.013	0.211	0.198	10.303	1	1.0	10.3	
SAMP	L2573968-19	25	25	0.027	0.399	0.372	17.768	1	1.0	17.8	
SAMP	L2573968-28	25	25	0.035	0.037	0.002	1.894	1	1.0	1.9	
SAMP	L2575144-02	25	25	0.025	0.024	-0.001	1.765	1	1.0	1.8	
SAMP	L2575144-03	2.5	25	0.011	0.205	0.194	10.131	1	10.0	101.3	
	CCV1	25	25	0	0.445	0.445	20.900	1	1.0	20.9	
	CCB1	25	25	0	0.003	0.003	1.937	1	1.0	1.9	
SAMP	L2575144-05	5	25	0.008	0.434	0.426	20.085	1	5.0	100.4	
SAMP	L2575144-07	10	25	0.007	0.37	0.363	17.382	1	2.5	43.5	
SAMP	L2575144-08	25	25	0.036	0.82	0.784	35.445	1	1.0	35.4	
SAMP	L2575144-09	5	25	0.023	0.533	0.510	23.689	1	5.0	118.4	
SAMP	L2575144-10	2	25	0.009	0.892	0.883	39.692	1	12.5	496.2	
	CCV2	25	25	0	0.442	0.442	20.771	1	1.0	20.8	
	CCB2	25	25	0	0.005	0.005	2.022	1	1.0	2.0	
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
BLANK	WG2147958-1	25	25	0.000	0.003	0.003	1.937	1	1.0	1.9	
DUP	WG2147958-3	25	25	0.037	0.844	0.807	36.431	1	1.0	36.4	**L2575144-08**

	Sample number	sample volume	Final volume (ml)	Bkgd. Abs.	Gross Abs.	Absorbance	Sample Result mg/l	Spiked Volume	Spike conc. mg/l	Spike Result mg/l	Recovery %
MS	WG2147958-4	12.5	25	0.016	0.873	0.857	35.400	12.5	40.0000	77	**104**
											L2575144-08
LCS	WG2147958-2	25	25	0	0.447	0.447		1	20.0000	21	**105**

Quality Control

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: MW-29S	**Matrix**	: WATER
Lab Sample ID	: L2575144-06		
Matrix Spike	: WG2147957-4	**MS Analysis Date**	: 12/02/25 10:15
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Sulfate	9.6J	40	54.	135					55-147	14

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: MW-27S	**Matrix**	: WATER
Lab Sample ID	: L2575144-08		
Matrix Spike	: WG2147958-4	**MS Analysis Date**	: 12/02/25 12:00
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Sulfate	35.	40	77.	105					55-147	14

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: MW-29S	**Matrix**	: WATER
Lab Sample ID	: L2575144-06	**Analysis Date**	: 12/02/25 10:15
Dup Sample ID	: WG2147957-3	**DUP Analysis Date**	: 12/02/25 10:15

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Sulfate	9.6J	11.	NC	14

Form 6
Lab Duplicates

Client	:	**Roux Env. Eng. & Geology, DPC**	**Lab Number**	:	**L2575144**
Project Name	:	**1000 TURK HILL RD GWS**	**Project Number**	:	**3113.0001Y000**
Client Sample ID	:	**MW-27S**	**Matrix**	:	**WATER**
Lab Sample ID	:	**L2575144-08**	**Analysis Date**	:	**12/02/25 12:00**
Dup Sample ID	:	**WG2147958-3**	**DUP Analysis Date**	:	**12/02/25 12:00**

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Sulfate	**35.**	**36.**	**3**	**14**

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2147957-2	**LCS Analysis Date**	: 12/02/25 10:15
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Sulfate	20.0	21.0	105.					90-110	14

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575144
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2147958-2	**LCS Analysis Date**	: 12/02/25 12:00
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Sulfate	**20.0**	**21.0**	**105.**					**90-110**	**14**

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Sulfate	14808-79-8	10	1.37	mg/l	90-110		55-147	14	14	4500SO4-E	28 days	1 - Plastic 500ml unpreserved
Sulfate	14808-79-8	10	1.37	mg/l	90-110		55-147	14	14	9038	28 days	1 - Plastic 500ml unpreserved

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

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Sulfate	14808-79-8	100	13.6	mg/kg	80-121	12	22-183	12	12	9038	28 days	1 - Glass 250ml/8oz unpreserved

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

Calculations of Sulfate

Aqueous samples:

Calculate the concentration value of the sample directly from the standard curve.

$$mgSO_4/L = \frac{\text{absorbance - y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

If sample has a background absorbance, it has to be subtracted before calculation.

Subcontracted Data

Pace Analytical Services, LLC - East Longmeadow, Ma

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December 5, 2025

Jennifer Byrnes
Pace Analytical Services - Westborough, MA
8 Walkup Drive
Westborough, MA 01581

Project Location: L2575144
Client Job Number:
Project Number: L2575144
Laboratory Work Order Number: 25L0002

Enclosed are results of analyses for samples as received by the laboratory on December 1, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kristi L. Gosselin
Project Manager

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Pace Analytical Services - Westborough, MA
8 Walkup Drive
Westborough, MA 01581
ATTN: Jennifer Byrnes

REPORT DATE: 12/5/2025

PURCHASE ORDER NUMBER:

PROJECT NUMBER: L2575144

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25L0002

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: L2575144

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-10S	25L0002-01	Water		RSK175	
MW-3S	25L0002-02	Water		RSK175	
MW-8S	25L0002-03	Water		RSK175	
MW-29S	25L0002-04	Water		RSK175	
MW-28S	25L0002-05	Water		RSK175	
MW-27S	25L0002-06	Water		RSK175	
DUP-112425	25L0002-07	Water		RSK175	
MW-2D	25L0002-08	Water		RSK175	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

RSK175

Qualifications:

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

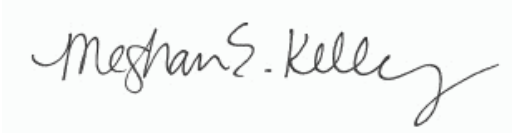
Carbon Dioxide

B418579-MS1, B418579-MS2, B418579-MSD1, B418579-MSD2

Methane

B418580-MS1, B418580-MS2, B418580-MSD1, B418580-MSD2

The results of analyses reported only relate to samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Reporting Specialist

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: L2575144 Sample Description: Work Order: 25L0002

Date Received: 12/1/2025

Field Sample #: MW-10S Sampled: 11/24/2025 11:45

Sample ID: 25L0002-01

Sample Matrix: Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Carbon Dioxide	39	1.4	0.43	mg/L	4		RSK175	12/1/25	12/1/25 15:02	TPH
Ethane	ND	0.0052	0.00083	mg/L	1		RSK175	12/1/25	12/1/25 13:46	TPH
Ethene	ND	0.0065	0.0016	mg/L	1		RSK175	12/1/25	12/1/25 13:46	TPH
Methane	14	0.0052	0.00080	mg/L	2		RSK175	12/1/25	12/1/25 15:37	TPH

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Project Location: L2575144 Sample Description: Work Order: 25L0002

Date Received: 12/1/2025

Field Sample #: MW-3S Sampled: 11/24/2025 10:10

Sample ID: 25L0002-02

Sample Matrix: Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Carbon Dioxide	52	1.4	0.43	mg/L	4		RSK175	12/1/25	12/1/25 15:15	TPH
Ethane	ND	0.0052	0.00083	mg/L	1		RSK175	12/1/25	12/1/25 13:55	TPH
Ethene	ND	0.0065	0.0016	mg/L	1		RSK175	12/1/25	12/1/25 13:55	TPH
Methane	1.7	0.0026	0.00040	mg/L	1		RSK175	12/1/25	12/1/25 13:55	TPH

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Project Location: L2575144 Sample Description: Work Order: 25L0002

Date Received: 12/1/2025

Field Sample #: MW-8S Sampled: 11/24/2025 11:35

Sample ID: 25L0002-03

Sample Matrix: Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Carbon Dioxide	61	1.4	0.43	mg/L	4		RSK175	12/1/25	12/1/25 15:31	TPH
Ethane	0.016	0.0052	0.00083	mg/L	1		RSK175	12/1/25	12/1/25 14:03	TPH
Ethene	0.015	0.0065	0.0016	mg/L	1		RSK175	12/1/25	12/1/25 14:03	TPH
Methane	1.4	0.0026	0.00040	mg/L	1		RSK175	12/1/25	12/1/25 14:03	TPH

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Project Location: L2575144 Sample Description: Work Order: 25L0002

Date Received: 12/1/2025

Field Sample #: MW-29S Sampled: 11/24/2025 11:55

Sample ID: 25L0002-04

Sample Matrix: Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Carbon Dioxide	58	1.4	0.43	mg/L	4		RSK175	12/1/25	12/1/25 15:46	TPH
Ethane	0.0038	0.0052	0.00083	mg/L	1	J	RSK175	12/1/25	12/1/25 14:12	TPH
Ethene	ND	0.0065	0.0016	mg/L	1		RSK175	12/1/25	12/1/25 14:12	TPH
Methane	4.7	0.0026	0.00040	mg/L	1		RSK175	12/1/25	12/1/25 14:12	TPH

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Project Location: L2575144 Sample Description: Work Order: 25L0002

Date Received: 12/1/2025

Field Sample #: MW-28S Sampled: 11/24/2025 13:20

Sample ID: 25L0002-05

Sample Matrix: Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Carbon Dioxide	52	1.4	0.43	mg/L	4		RSK175	12/1/25	12/1/25 16:30	TPH
Ethane	ND	0.0052	0.00083	mg/L	1		RSK175	12/1/25	12/1/25 14:37	TPH
Ethene	ND	0.0065	0.0016	mg/L	1		RSK175	12/1/25	12/1/25 14:37	TPH
Methane	0.0034	0.0026	0.00040	mg/L	1		RSK175	12/1/25	12/1/25 14:37	TPH

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Project Location: L2575144 Sample Description: Work Order: 25L0002

Date Received: 12/1/2025

Field Sample #: MW-27S Sampled: 11/24/2025 13:20

Sample ID: 25L0002-06

Sample Matrix: Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Carbon Dioxide	69	1.4	0.43	mg/L	4		RSK175	12/1/25	12/1/25 16:45	TPH
Ethane	0.012	0.0052	0.00083	mg/L	1		RSK175	12/1/25	12/1/25 14:45	TPH
Ethene	ND	0.0065	0.0016	mg/L	1		RSK175	12/1/25	12/1/25 14:45	TPH
Methane	1.8	0.0026	0.00040	mg/L	1		RSK175	12/1/25	12/1/25 14:45	TPH

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Project Location: L2575144 Sample Description: Work Order: 25L0002

Date Received: 12/1/2025

Field Sample #: DUP-112425 Sampled: 11/24/2025 12:00

Sample ID: 25L0002-07

Sample Matrix: Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Carbon Dioxide	49	1.4	0.43	mg/L	4		RSK175	12/1/25	12/1/25 17:30	TPH
Ethane	ND	0.0052	0.00083	mg/L	1		RSK175	12/1/25	12/1/25 15:10	TPH
Ethene	ND	0.0065	0.0016	mg/L	1		RSK175	12/1/25	12/1/25 15:10	TPH
Methane	1.6	0.0026	0.00040	mg/L	1		RSK175	12/1/25	12/1/25 15:10	TPH

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Project Location: L2575144 Sample Description: Work Order: 25L0002

Date Received: 12/1/2025

Field Sample #: MW-2D Sampled: 11/24/2025 14:05

Sample ID: 25L0002-08

Sample Matrix: Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Carbon Dioxide	76	1.4	0.43	mg/L	4		RSK175	12/1/25	12/1/25 17:45	TPH
Ethane	ND	0.0052	0.00083	mg/L	1		RSK175	12/1/25	12/1/25 15:19	TPH
Ethene	ND	0.0065	0.0016	mg/L	1		RSK175	12/1/25	12/1/25 15:19	TPH
Methane	1.2	0.0026	0.00040	mg/L	1		RSK175	12/1/25	12/1/25 15:19	TPH

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Sample Extraction Data

Prep Method:RSK175 **Analytical Method:RSK175**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25L0002-01 [MW-10S]	B418579	0.25	1.00	12/01/25
25L0002-02 [MW-3S]	B418579	0.25	1.00	12/01/25
25L0002-03 [MW-8S]	B418579	0.25	1.00	12/01/25
25L0002-04 [MW-29S]	B418579	0.25	1.00	12/01/25
25L0002-05 [MW-28S]	B418579	0.25	1.00	12/01/25
25L0002-06 [MW-27S]	B418579	0.25	1.00	12/01/25
25L0002-07 [DUP-112425]	B418579	0.25	1.00	12/01/25
25L0002-08 [MW-2D]	B418579	0.25	1.00	12/01/25

Prep Method:RSK175 **Analytical Method:RSK175**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25L0002-01 [MW-10S]	B418580	1	1.00	12/01/25
25L0002-01RE1 [MW-10S]	B418580	0.5	1.00	12/01/25
25L0002-02 [MW-3S]	B418580	1	1.00	12/01/25
25L0002-03 [MW-8S]	B418580	1	1.00	12/01/25
25L0002-04 [MW-29S]	B418580	1	1.00	12/01/25
25L0002-05 [MW-28S]	B418580	1	1.00	12/01/25
25L0002-06 [MW-27S]	B418580	1	1.00	12/01/25
25L0002-07 [DUP-112425]	B418580	1	1.00	12/01/25
25L0002-08 [MW-2D]	B418580	1	1.00	12/01/25

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QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B418579 - RSK175											
Blank (B418579-BLK1)				Prepared & Analyzed: 12/01/25							
Carbon Dioxide	0.27	0.36	mg/L								J
LCS (B418579-BS1)				Prepared & Analyzed: 12/01/25							
Carbon Dioxide	1.2		mg/L	1.178		98.7		85-115			
Duplicate (B418579-DUP2)		**Source: 25L0002-08**		Prepared & Analyzed: 12/01/25							
Carbon Dioxide	77.2	1.4	mg/L		76.2				1.33	20	
Matrix Spike (B418579-MS1)		**Source: 25L0002-04**		Prepared & Analyzed: 12/01/25							
Carbon Dioxide	14.1		mg/L	1.106	58.2	**-3990**	*	0-200			MS-19
Matrix Spike (B418579-MS2)		**Source: 25L0002-06**		Prepared & Analyzed: 12/01/25							
Carbon Dioxide	16.1		mg/L	1.096	68.7	**-4800**	*	0-200			MS-19
Matrix Spike Dup (B418579-MSD1)		**Source: 25L0002-04**		Prepared & Analyzed: 12/01/25							
Carbon Dioxide	14.5		mg/L	1.106	58.2	**-3960**	*	0-200	2.71		MS-19
Matrix Spike Dup (B418579-MSD2)		**Source: 25L0002-06**		Prepared & Analyzed: 12/01/25							
Carbon Dioxide	16.5		mg/L	1.096	68.7	**-4770**	*	0-200	2.05		MS-19
Batch B418580 - RSK175											
Blank (B418580-BLK1)				Prepared & Analyzed: 12/01/25							
Ethane	ND	0.0052	mg/L								
Ethene	ND	0.0065	mg/L								
Methane	ND	0.0026	mg/L								
LCS (B418580-BS1)				Prepared & Analyzed: 12/01/25							
Ethane	0.14		mg/L	0.1596		88.1		73.1-116			
Ethene	0.12		mg/L	0.1489		83.8		67.6-116			
Methane	0.071		mg/L	0.08510		83.5		73.2-114			
Duplicate (B418580-DUP2)		**Source: 25L0002-08**		Prepared & Analyzed: 12/01/25							
Ethane	ND	0.0052	mg/L		ND				NC	20	
Ethene	ND	0.0065	mg/L		ND				NC	20	
Methane	1.20	0.0026	mg/L		1.21				0.611	20	
Matrix Spike (B418580-MS1)		**Source: 25L0002-04**		Prepared & Analyzed: 12/01/25							
Ethane	0.121		mg/L	0.1576	0.00375	74.1		0-200			
Ethene	0.105		mg/L	0.1472	0.00	71.5		0-200			
Methane	4.39		mg/L	0.08408	4.73	**-404**	*	0-200			MS-19

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QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B418580 - RSK175											
Matrix Spike (B418580-MS2)	**Source: 25L0002-06**			Prepared & Analyzed: 12/01/25							
Ethane	0.129		mg/L	0.1563	0.0119	74.9		0-200			
Ethene	0.106		mg/L	0.1459	0.00	72.8		0-200			
Methane	1.83		mg/L	0.08337	1.83	5.60		0-200			MS-19
Matrix Spike Dup (B418580-MSD1)	**Source: 25L0002-04**			Prepared & Analyzed: 12/01/25							
Ethane	0.119		mg/L	0.1576	0.00375	73.4		0-200	0.933		
Ethene	0.104		mg/L	0.1472	0.00	70.9		0-200	0.878		
Methane	4.36		mg/L	0.08408	4.73	**-440**	*	0-200	0.705		MS-19
Matrix Spike Dup (B418580-MSD2)	**Source: 25L0002-06**			Prepared & Analyzed: 12/01/25							
Ethane	0.129		mg/L	0.1563	0.0119	74.8		0-200	0.124		
Ethene	0.105		mg/L	0.1459	0.00	72.1		0-200	0.889		
Methane	1.82		mg/L	0.08337	1.83	**-7.26**	*	0-200	0.587		MS-19

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
RSK175 in Water	
Ethane	NY,NH,NJ,VA,ME,PA
Ethene	NY,NH,NJ,VA,ME,PA
Methane	NY,NH,NJ,VA,ME,PA

Pace Analytical Services, LLC - East Longmeadow, Ma, operates under the following certifications and accreditations:

Code	Description	Number	Expires
NY	New York State Department of Health	10899 NELAP	04/1/2026
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2026
NJ	New Jersey DEP	MA007 NELAP	06/30/2026
ME	State of Maine	MA00100	06/9/2027
VA	Commonwealth of Virginia	460217	12/14/2025
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2026

25L0002

Pace

Subcontract Chain of Custody

Pace New England
39 Spruce St
East Longmeadow, MA 01028

Pace Job Number
L2575144

Page 1

Client Information	Project Information	Regulatory Requirements/Report Limits
Client: Pace Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Report To:west.subreports@pacelabs.com Bill To:invoices@pacelabs.coupahost.com Phone: 716.427.5228 Email: Jennifer.Byrnes@pacelabs.com	Project Location: NY Project Manager: Jennifer Byrnes **Turnaround & Deliverables Information** Due Date: 12/05/25 Deliverables: ASP Category B Deliverables (Level 4)	State/Federal Program: Regulatory Criteria: Report to MDL **UDI EDD**

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2575144 Report to include Method and/or Regulatory required batch QC

Additional Comments:

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
1	L2575144-02	MW-10S	11-24-25 10:45	WATER	Dissolved Gasses	Methane, Ethane, Ethene		3
				WATER	Dissolved Gasses-CO2	Diss Gas CO2		3
2	L2575144-03	MW-3S	11-24-25 10:10	WATER	Dissolved Gasses	Methane, Ethane, Ethene		3
				WATER	Dissolved Gasses-CO2	Diss Gas CO2		3
3	L2575144-05	MW-8S	11-24-25 11:35	WATER	Dissolved Gasses	Methane, Ethane, Ethene		3
				WATER	Dissolved Gasses-CO2	Diss Gas CO2		3
4	L2575144-06	MW-29S	11-24-25 11:55	WATER	Dissolved Gasses	Methane, Ethane, Ethene	MS;MSD	9
				WATER	Dissolved Gasses-CO2	Diss Gas CO2	MS;MSD	9
5	L2575144-07	MW-28S	11-24-25 13:20	WATER	Dissolved Gasses	Methane, Ethane, Ethene		3
				WATER	Dissolved Gasses-CO2	Diss Gas CO2		3

	Relinquished By:	Date/Time:	Received By:	Date/Time:
	[signature]		[signature]	12-1-25 5:00
	[signature]	12-1-25 6:48	[signature]	12/1/25 645
Form No: AL_subcoc				

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25L0002

Subcontract Chain of Custody

Pace New England
39 Spruce St
East Longmeadow, MA 01028

Pace Job Number
L2575144

Page 2

Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019

Report To:west.subreports@pacelabs.com
Bill To:invoices@pacelabs.coupahost.com

Phone: 716.427.5228
Email: Jennifer.Byrnes@pacelabs.com

Project Information

Project Location: NY
Project Manager: Jennifer Byrnes

Turnaround & Deliverables Information

Due Date: 12/07/25
Deliverables: ASP Category B Deliverables (Level 4)

Regulatory Requirements/Report Limits

State/Federal Program:
Regulatory Criteria:

Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2575144 Report to include Method and/or Regulatory required batch QC

Additional Comments:

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
6	L2575144-08	MW-27S	11-24-25 12:40	WATER	Dissolved Gasses	Methane, Ethane, Ethene	MS;MSD	9
				WATER	Dissolved Gasses-CO2	Diss Gas CO2	MS;MSD	9
7	L2575144-09	DUP-112425	11-24-25 12:00	WATER	Dissolved Gasses	Methane, Ethane, Ethene		3
				WATER	Dissolved Gasses-CO2	Diss Gas CO2		3
8	L2575144-10	MW-2D	11-24-25 14:05	WATER	Dissolved Gasses	Methane, Ethane, Ethene		3
				WATER	Dissolved Gasses-CO2	Diss Gas CO2		3

	Relinquished By:	Date/Time:	Received By:	Date/Time:
	[signature]		[signature]	12-1-25 5:00
	[signature]	12-1-25 1645		
Form No: AL_subcoc				

ENV-FRM-ELON-0001 v09_Sample Receiving Checklist

Log In Back-Sheet

Client: pace

Project: 257514

MCP/RCP Required: MA

Deliverable Package Requirement: MA

Location: NV

PWSID# (When Applicable): NIA

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time: LA 12/11/25 645

Back-Sheet By / Date / Time: LA 12/11/25 756

Temperature Method: gun # 6

WV samples: Yes (see note*) / No (follow normal procedure)

Temp ☑ < 6° C Actual Temperature: 1.4

Rush Samples: Yes / No Notify: Teams

Short Hold: Yes / No Notify:

Notes regarding Samples/COC outside of SOP:

Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy)
Any False statement will be brought to the attention of the Client -- True or False

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☑	☐
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client	☑	Analysis	☑	Sampler Name	☑
Project	☑	IDs	☐	Collection Date/Time	☑

All Samples Proper pH:	N/A	☐	☐
Samples Chlorinated:	N/A	☐	☐

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

DC#_Title: ENV-FRM-ELON-0157 v01_Sample Receiving Container Sheet

Effective Date:

	Soils				Ambers Glass								Plastics											Vials							Other
	16 (oz)	8 (oz)	4 (oz)	2 (oz)	1L			250mL				100 (mL)	1L		500mL		250mL						80 (mL)	Other	VOA 40mL					20mL		
	C / A	C / A	C / A	C / A	Unp.	HCl	H_2SO_4	Unp.	Phos.	HCl	H_2SO_4	Unp.	Unp.	H_2SO_4	Unp.	H_2SO_4	Unp.	Triz	H_2SO_4	HNO_3	Amm. Ace	NaOH /Zn	Unp.	Bac/ Col	Unp.	HCl	MeOH	DI	$NaHSO_4$	Unp.	HCl	
1																													3	3	
2																													1	1	
3																													1	1	
4																													9	9	
5																													3	3	
6																													9	4	
7																													3	3	
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19																															
20																															

ANALYTICAL REPORT

Lab Number:	L2575576
Client:	Roux Env. Eng. & Geology, DPC 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Matthew Smith
Phone:	(631) 630-2392
Project Name:	1000 TURK HILL RD GWS
Project Number:	3113.0001Y000
Report Date:	12/09/25

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2575576-01	MW-2S	WATER	FAIRPORT, NY	11/25/25 14:30	11/25/25
L2575576-02	MW-2M	WATER	FAIRPORT, NY	11/25/25 10:35	11/25/25
L2575576-03	MW-16S	WATER	FAIRPORT, NY	11/25/25 13:45	11/25/25
L2575576-04	RXMW-9S	WATER	FAIRPORT, NY	11/25/25 12:15	11/25/25
L2575576-05	MW-35M	WATER	FAIRPORT, NY	11/25/25 09:45	11/25/25
L2575576-06	DUP-112525	WATER	FAIRPORT, NY	11/25/25 09:00	11/25/25
L2575576-07	TRIP-BLANK-2	TRIP BLANK (AQUEOUS)	FAIRPORT, NY	11/25/25 12:00	11/25/25
L2575576-08	WC-112525	WATER	FAIRPORT, NY	11/25/25 12:00	11/25/25

Project Name:	1000 TURK HILL RD GWS	**Lab Number:**	L2575576
Project Number:	3113.0001Y000	**Report Date:**	12/09/25

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575576
Project Number: 3113.0001Y000 **Report Date:** 12/09/25

Case Narrative (continued)

Report Submission

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

The analyses of DHC, Dissolved Gases, and Carbon Dioxide were subcontracted. Copies of the laboratory reports are included as an addendum. Please note: This data is only available in PDF format and is not available on Data Merger.

Sample Receipt

L2575576-08: Sample containers for Volatile Organics, Semivolatile Organics, Pesticides, and Herbicides were received, but not listed on the chain of custody. At the client's request, the analyses were performed.

Volatile Organics

L2575576-01: The sample was received in the proper acid-preserved containers. Upon analysis the pH was determined to be greater than 2 and the method required holding time was exceeded.

Semivolatile Organics

L2575576-08: The volume of sample received for the analysis deviates from the laboratory's current volume requirements. An aliquot was taken from the original sample container, extracted, analyzed, and reported accordingly.

Semivolatile Organics by SIM

L2575576-08: The volume of sample received for the analysis deviates from the laboratory's current volume requirements. An aliquot was taken from the original sample container, extracted, analyzed, and reported accordingly.

Chromium, Hexavalent

Project Name:	1000 TURK HILL RD GWS	**Lab Number:**	L2575576
Project Number:	3113.0001Y000	**Report Date:**	12/09/25

Case Narrative (continued)

L2575576-08: The sample has an elevated detection limit due to the dilution required by the sample matrix.

Sulfate

The WG2150496-4 MS recovery performed on L2575576-03 is outside the acceptance criteria for sulfate (175%); however, the associated LCS recovery is within criteria. No further action was taken.

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

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 12/09/25

ORGANICS

VOLATILES

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-01
Client ID: MW-2S
Sample Location: FAIRPORT, NY
Date Collected: 11/25/25 14:30
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/03/25 12:23
Analyst: BAD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1.4		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575576

Project Number: 3113.0001Y000 **Report Date:** 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-01 Date Collected: 11/25/25 14:30

Client ID: MW-2S Date Received: 11/25/25

Sample Location: FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.38	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	7.1		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	7.1		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	23		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	120		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS
Lab Number: L2575576
Project Number: 3113.0001Y000
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-01
Client ID: MW-2S
Sample Location: FAIRPORT, NY
Date Collected: 11/25/25 14:30
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	105		70-130

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-02 D
Client ID: MW-2M
Sample Location: FAIRPORT, NY
Date Collected: 11/25/25 10:35
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/05/25 14:09
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	ND		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
1,3-Dichloropropene, Total	ND		ug/l	2.5	0.72	5
1,1-Dichloropropene	ND		ug/l	12	3.5	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	31		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575576

Project Number: 3113.0001Y000 **Report Date:** 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-02 D Date Collected: 11/25/25 10:35

Client ID: MW-2M Date Received: 11/25/25

Sample Location: FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	2.1	J	ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	0.83	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
Xylenes, Total	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	27		ug/l	12	3.5	5
1,2-Dichloroethene, Total	27		ug/l	12	3.5	5
Dibromomethane	ND		ug/l	25	5.0	5
1,2,3-Trichloropropane	ND		ug/l	12	3.5	5
Acrylonitrile	ND		ug/l	25	7.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	880		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	150		ug/l	25	9.7	5
Vinyl acetate	ND		ug/l	25	5.0	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
2,2-Dichloropropane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,3-Dichloropropane	ND		ug/l	12	3.5	5
1,1,1,2-Tetrachloroethane	ND		ug/l	12	3.5	5
Bromobenzene	ND		ug/l	12	3.5	5
n-Butylbenzene	ND		ug/l	12	3.5	5
sec-Butylbenzene	ND		ug/l	12	3.5	5
tert-Butylbenzene	ND		ug/l	12	3.5	5
o-Chlorotoluene	ND		ug/l	12	3.5	5
p-Chlorotoluene	ND		ug/l	12	3.5	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Hexachlorobutadiene	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
p-Isopropyltoluene	ND		ug/l	12	3.5	5
Naphthalene	ND		ug/l	12	3.5	5

Project Name: 1000 TURK HILL RD GWS
Lab Number: L2575576
Project Number: 3113.0001Y000
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-02 D
Client ID: MW-2M
Sample Location: FAIRPORT, NY
Date Collected: 11/25/25 10:35
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
1,3,5-Trimethylbenzene	ND		ug/l	12	3.5	5
1,2,4-Trimethylbenzene	ND		ug/l	12	3.5	5
1,4-Dioxane	ND		ug/l	1200	300	5
p-Diethylbenzene	ND		ug/l	10	3.5	5
p-Ethyltoluene	ND		ug/l	10	3.5	5
1,2,4,5-Tetramethylbenzene	ND		ug/l	10	2.7	5
Ethyl ether	ND		ug/l	12	3.5	5
trans-1,4-Dichloro-2-butene	ND		ug/l	12	3.5	5
Tentatively Identified Compounds						
Total TIC Compounds	6.15	J	ug/l			5
Unknown	6.15	J	ug/l			5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	106		70-130

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-03
Client ID: MW-16S
Sample Location: FAIRPORT, NY
Date Collected: 11/25/25 13:45
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/03/25 13:14
Analyst: BAD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1.6		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.19	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575576

Project Number: 3113.0001Y000 **Report Date:** 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-03 Date Collected: 11/25/25 13:45

Client ID: MW-16S Date Received: 11/25/25

Sample Location: FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	6.8		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	71		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	71		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	11		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	3.0	J	ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS
Lab Number: L2575576
Project Number: 3113.0001Y000
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-03
Client ID: MW-16S
Sample Location: FAIRPORT, NY
Date Collected: 11/25/25 13:45
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	106		70-130

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-04
Client ID: RXMW-9S
Sample Location: FAIRPORT, NY
Date Collected: 11/25/25 12:15
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/03/25 13:39
Analyst: BAD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	0.83	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	36		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.6	J	ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575576

Project Number: 3113.0001Y000 **Report Date:** 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-04 Date Collected: 11/25/25 12:15

Client ID: RXMW-9S Date Received: 11/25/25

Sample Location: FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	9.6		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	5.7		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	7.3	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	5.8		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS
Lab Number: L2575576
Project Number: 3113.0001Y000
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-04
Client ID: RXMW-9S
Sample Location: FAIRPORT, NY
Date Collected: 11/25/25 12:15
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	109		70-130

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-05
Client ID: MW-35M
Sample Location: FAIRPORT, NY
Date Collected: 11/25/25 09:45
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/03/25 14:05
Analyst: BAD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575576

Project Number: 3113.0001Y000 **Report Date:** 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-05 Date Collected: 11/25/25 09:45

Client ID: MW-35M Date Received: 11/25/25

Sample Location: FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	0.91	J	ug/l	2.5	0.70	1
Xylenes, Total	0.91	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	8.2		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	16		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS
Lab Number: L2575576
Project Number: 3113.0001Y000
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-05
Client ID: MW-35M
Sample Location: FAIRPORT, NY
Date Collected: 11/25/25 09:45
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	1.4	J	ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	105		70-130

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-06
Client ID: DUP-112525
Sample Location: FAIRPORT, NY
Date Collected: 11/25/25 09:00
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/03/25 14:30
Analyst: BAD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575576

Project Number: 3113.0001Y000 **Report Date:** 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-06 Date Collected: 11/25/25 09:00

Client ID: DUP-112525 Date Received: 11/25/25

Sample Location: FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	1.2	J	ug/l	2.5	0.70	1
Xylenes, Total	1.2	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	7.8		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	15		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575576

Project Number: 3113.0001Y000 **Report Date:** 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-06 Date Collected: 11/25/25 09:00

Client ID: DUP-112525 Date Received: 11/25/25

Sample Location: FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	1.6	J	ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	107		70-130

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-07
Client ID: TRIP-BLANK-2
Sample Location: FAIRPORT, NY
Date Collected: 11/25/25 12:00
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:
Matrix: Trip Blank (Aqueous)
Analytical Method: 1,8260D
Analytical Date: 12/03/25 14:56
Analyst: BAD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575576

Project Number: 3113.0001Y000 **Report Date:** 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-07 Date Collected: 11/25/25 12:00

Client ID: TRIP-BLANK-2 Date Received: 11/25/25

Sample Location: FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575576

Project Number: 3113.0001Y000 **Report Date:** 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-07 Date Collected: 11/25/25 12:00

Client ID: TRIP-BLANK-2 Date Received: 11/25/25

Sample Location: FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	113		70-130

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-08
Client ID: WC-112525
Sample Location: FAIRPORT, NY
Date Collected: 11/25/25 12:00
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/03/25 15:21
Analyst: BAD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.47	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575576

Project Number: 3113.0001Y000 **Report Date:** 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-08 Date Collected: 11/25/25 12:00

Client ID: WC-112525 Date Received: 11/25/25

Sample Location: FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.34	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	1.6	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	1.6	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	18		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	11		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 1000 TURK HILL RD GWS
Lab Number: L2575576
Project Number: 3113.0001Y000
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-08
Client ID: WC-112525
Sample Location: FAIRPORT, NY
Date Collected: 11/25/25 12:00
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	110		70-130

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/03/25 10:32
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-08 Batch: WG2149674-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/03/25 10:32
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-08 Batch: WG2149674-5					
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/03/25 10:32
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-08 Batch: WG2149674-5					
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/03/25 10:32
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-08 Batch: WG2149674-5					
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	102		70-130

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/05/25 13:44
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG2150855-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/05/25 13:44
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG2150855-5					
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/05/25 13:44
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG2150855-5					
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/05/25 13:44
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG2150855-5					
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
Total TIC Compounds	1.19	J	ug/l		
Unknown	1.19	J	ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-08 Batch: WG2149674-3 WG2149674-4								
Methylene chloride	89		81		70-130	9		20
1,1-Dichloroethane	82		72		70-130	13		20
Chloroform	82		82		70-130	0		20
Carbon tetrachloride	87		84		63-132	4		20
1,2-Dichloropropane	75		75		70-130	0		20
Dibromochloromethane	93		93		63-130	0		20
1,1,2-Trichloroethane	86		87		70-130	1		20
Tetrachloroethene	98		96		70-130	2		20
Chlorobenzene	89		88		75-130	1		20
Trichlorofluoromethane	89		84		62-150	6		20
1,2-Dichloroethane	79		78		70-130	1		20
1,1,1-Trichloroethane	86		85		67-130	1		20
Bromodichloromethane	85		84		67-130	1		20
trans-1,3-Dichloropropene	82		79		70-130	4		20
cis-1,3-Dichloropropene	82		80		70-130	2		20
1,1-Dichloropropene	86		83		70-130	4		20
Bromoform	93		93		54-136	0		20
1,1,2,2-Tetrachloroethane	85		86		67-130	1		20
Benzene	84		81		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-08 Batch: WG2149674-3 WG2149674-4								
Toluene	81		80		70-130	1		20
Ethylbenzene	84		84		70-130	0		20
Chloromethane	**60**	Q	**57**	Q	64-130	5		20
Bromomethane	**37**	Q	49		39-139	**28**	Q	20
Vinyl chloride	69		66		55-140	4		20
Chloroethane	76		78		55-138	3		20
1,1-Dichloroethene	94		89		61-145	5		20
trans-1,2-Dichloroethene	96		85		70-130	12		20
Trichloroethene	82		83		70-130	1		20
1,2-Dichlorobenzene	96		94		70-130	2		20
1,3-Dichlorobenzene	94		92		70-130	2		20
1,4-Dichlorobenzene	91		90		70-130	1		20
Methyl tert butyl ether	97		88		63-130	10		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	88		87		70-130	1		20
Dibromomethane	90		89		70-130	1		20
1,2,3-Trichloropropane	81		80		64-130	1		20
Acrylonitrile	82		72		70-130	13		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-08 Batch: WG2149674-3 WG2149674-4								
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	84		84		36-147	0		20
Acetone	77		63		58-148	20		20
Carbon disulfide	88		81		51-130	8		20
2-Butanone	66		67		63-138	2		20
Vinyl acetate	**68**	Q	**63**	Q	70-130	8		20
4-Methyl-2-pentanone	72		76		59-130	5		20
2-Hexanone	66		64		57-130	3		20
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	90		85		63-133	6		20
1,2-Dibromoethane	94		95		70-130	1		20
1,3-Dichloropropane	84		84		70-130	0		20
1,1,1,2-Tetrachloroethane	93		93		64-130	0		20
Bromobenzene	93		92		70-130	1		20
n-Butylbenzene	80		77		53-136	4		20
sec-Butylbenzene	84		81		70-130	4		20
tert-Butylbenzene	87		85		70-130	2		20
o-Chlorotoluene	83		81		70-130	2		20
p-Chlorotoluene	82		81		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-08 Batch: WG2149674-3 WG2149674-4								
1,2-Dibromo-3-chloropropane	100		98		41-144	2		20
Hexachlorobutadiene	100		98		63-130	2		20
Isopropylbenzene	83		80		70-130	4		20
p-Isopropyltoluene	81		78		70-130	4		20
Naphthalene	100		99		70-130	1		20
n-Propylbenzene	79		78		69-130	1		20
1,2,3-Trichlorobenzene	110		100		70-130	10		20
1,2,4-Trichlorobenzene	100		100		70-130	0		20
1,3,5-Trimethylbenzene	86		83		64-130	4		20
1,2,4-Trimethylbenzene	86		84		70-130	2		20
1,4-Dioxane	106		104		56-162	2		20
p-Diethylbenzene	85		82		70-130	4		20
p-Ethyltoluene	88		85		70-130	3		20
1,2,4,5-Tetramethylbenzene	92		86		70-130	7		20
Ethyl ether	88		90		59-134	2		20
trans-1,4-Dichloro-2-butene	**60**	Q	**58**	Q	70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-08 Batch: WG2149674-3 WG2149674-4								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		90		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	93		92		70-130
Dibromofluoromethane	98		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG2150855-3 WG2150855-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	130		130		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	110		120		63-132	9		20
1,2-Dichloropropane	110		120		70-130	9		20
Dibromochloromethane	97		100		63-130	3		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	100		99		70-130	1		20
Chlorobenzene	110		100		75-130	10		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	120		130		70-130	8		20
1,1,1-Trichloroethane	110		120		67-130	9		20
Bromodichloromethane	110		120		67-130	9		20
trans-1,3-Dichloropropene	110		110		70-130	0		20
cis-1,3-Dichloropropene	100		110		70-130	10		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	88		94		54-136	7		20
1,1,2,2-Tetrachloroethane	120		120		67-130	0		20
Benzene	120		120		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG2150855-3 WG2150855-4								
Toluene	110		110		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	130		120		64-130	8		20
Bromomethane	86		86		39-139	0		20
Vinyl chloride	120		120		55-140	0		20
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	100		110		70-130	10		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	88		100		63-130	13		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Dibromomethane	100		110		70-130	10		20
1,2,3-Trichloropropane	120		120		64-130	0		20
Acrylonitrile	120		120		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG2150855-3 WG2150855-4								
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	120		110		36-147	9		20
Acetone	120		120		58-148	0		20
Carbon disulfide	130		130		51-130	0		20
2-Butanone	110		120		63-138	9		20
Vinyl acetate	130		**140**	Q	70-130	7		20
4-Methyl-2-pentanone	86		98		59-130	13		20
2-Hexanone	83		97		57-130	16		20
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	120		120		63-133	0		20
1,2-Dibromoethane	96		100		70-130	4		20
1,3-Dichloropropane	110		120		70-130	9		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	97		98		70-130	1		20
n-Butylbenzene	110		120		53-136	9		20
sec-Butylbenzene	110		120		70-130	9		20
tert-Butylbenzene	97		97		70-130	0		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	110		110		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG2150855-3 WG2150855-4								
1,2-Dibromo-3-chloropropane	92		98		41-144	6		20
Hexachlorobutadiene	96		97		63-130	1		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	78		86		70-130	10		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	83		93		70-130	11		20
1,2,4-Trichlorobenzene	84		91		70-130	8		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	66		80		56-162	19		20
p-Diethylbenzene	99		100		70-130	1		20
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	88		92		70-130	4		20
Ethyl ether	100		110		59-134	10		20
trans-1,4-Dichloro-2-butene	130		130		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG2150855-3 WG2150855-4								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	115		122		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	106		107		70-130
Dibromofluoromethane	102		105		70-130

SEMIVOLATILES

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-08
Client ID: WC-112525
Sample Location: FAIRPORT, NY
Date Collected: 11/25/25 12:00
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 12/03/25 02:24
Analyst: SMZ
Extraction Method: EPA 3510C
Extraction Date: 11/28/25 23:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.98	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.33	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.32	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575576

Project Number: 3113.0001Y000 **Report Date:** 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-08 Date Collected: 11/25/25 12:00

Client ID: WC-112525 Date Received: 11/25/25

Sample Location: FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	0.46	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	8.7		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.38	1
Carbazole	ND		ug/l	2.0	0.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**20**	Q	21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	40		10-120
4-Terphenyl-d14	67		41-149

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-08
Client ID: WC-112525
Sample Location: FAIRPORT, NY

Date Collected: 11/25/25 12:00
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 11/29/25 15:13
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 11/28/25 23:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575576

Project Number: 3113.0001Y000 **Report Date:** 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-08 Date Collected: 11/25/25 12:00

Client ID: WC-112525 Date Received: 11/25/25

Sample Location: FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**20**	Q	21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	45		10-120
4-Terphenyl-d14	69		41-149

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/29/25 12:16
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 11/28/25 23:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG2147284-1					
Acenaphthene	ND		ug/l	2.0	0.40
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.98
Hexachlorobenzene	ND		ug/l	2.0	0.45
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
2-Chloronaphthalene	ND		ug/l	2.0	0.35
1,2-Dichlorobenzene	ND		ug/l	2.0	0.33
1,3-Dichlorobenzene	ND		ug/l	2.0	0.32
1,4-Dichlorobenzene	ND		ug/l	2.0	0.39
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84
Fluoranthene	ND		ug/l	2.0	0.41
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84
Hexachlorobutadiene	ND		ug/l	2.0	0.36
Hexachlorocyclopentadiene	ND		ug/l	20	1.2
Hexachloroethane	ND		ug/l	2.0	0.20
Isophorone	ND		ug/l	5.0	0.86
Naphthalene	ND		ug/l	2.0	0.54
Nitrobenzene	ND		ug/l	2.0	0.20
NDPA/DPA	ND		ug/l	2.0	0.92
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/29/25 12:16
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 11/28/25 23:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG2147284-1					
Bis(2-ethylhexyl)phthalate	2.3	J	ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	2.6
Di-n-butylphthalate	ND		ug/l	5.0	0.96
Di-n-octylphthalate	ND		ug/l	5.0	2.3
Diethyl phthalate	ND		ug/l	5.0	0.76
Dimethyl phthalate	ND		ug/l	5.0	0.92
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.37
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62
Chrysene	ND		ug/l	2.0	0.22
Acenaphthylene	ND		ug/l	2.0	0.32
Anthracene	ND		ug/l	2.0	0.47
Benzo(ghi)perylene	ND		ug/l	2.0	0.37
Fluorene	ND		ug/l	2.0	0.44
Phenanthrene	ND		ug/l	2.0	0.42
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48
Pyrene	ND		ug/l	2.0	0.41
Biphenyl	ND		ug/l	2.0	0.20
4-Chloroaniline	ND		ug/l	5.0	0.47
2-Nitroaniline	ND		ug/l	5.0	1.0
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.4

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/29/25 12:16
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 11/28/25 23:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG2147284-1					
Dibenzofuran	ND		ug/l	2.0	0.40
2-Methylnaphthalene	ND		ug/l	2.0	0.37
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24
Acetophenone	ND		ug/l	5.0	0.92
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61
2-Chlorophenol	ND		ug/l	2.0	0.65
2,4-Dichlorophenol	ND		ug/l	5.0	1.7
2,4-Dimethylphenol	ND		ug/l	5.0	2.0
2-Nitrophenol	ND		ug/l	10	2.0
4-Nitrophenol	ND		ug/l	10	1.4
2,4-Dinitrophenol	ND		ug/l	20	5.4
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3
Pentachlorophenol	ND		ug/l	10	2.5
Phenol	ND		ug/l	5.0	0.35
2-Methylphenol	ND		ug/l	5.0	2.3
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.38
Carbazole	ND		ug/l	2.0	0.31

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/29/25 12:16
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 11/28/25 23:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG2147284-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	42		10-120
4-Terphenyl-d14	69		41-149

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 11/29/25 14:19
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 11/28/25 23:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 08 Batch: WG2147285-1					
Acenaphthene	ND		ug/l	0.10	0.02
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Hexachlorobutadiene	ND		ug/l	0.50	0.02
Naphthalene	0.03	J	ug/l	0.10	0.02
Benzo(a)anthracene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Chrysene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Anthracene	ND		ug/l	0.10	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.10	0.04
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Pyrene	ND		ug/l	0.10	0.04
2-Methylnaphthalene	0.04	J	ug/l	0.10	0.03
Pentachlorophenol	ND		ug/l	0.80	0.06
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.02

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 11/29/25 14:19
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 11/28/25 23:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 08 Batch: WG2147285-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	25		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	50		10-120
4-Terphenyl-d14	68		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG2147284-2 WG2147284-3								
Acenaphthene	64		56		37-111	13		30
1,2,4-Trichlorobenzene	53		55		39-98	4		30
Hexachlorobenzene	63		56		40-140	12		30
Bis(2-chloroethyl)ether	56		56		40-140	0		30
2-Chloronaphthalene	62		55		40-140	12		30
1,2-Dichlorobenzene	48		49		40-140	2		30
1,3-Dichlorobenzene	48		51		40-140	6		30
1,4-Dichlorobenzene	46		48		36-97	4		30
3,3'-Dichlorobenzidine	67		62		40-140	8		30
2,4-Dinitrotoluene	77		75		48-143	3		30
2,6-Dinitrotoluene	76		69		40-140	10		30
Fluoranthene	68		66		40-140	3		30
4-Chlorophenyl phenyl ether	74		59		40-140	23		30
4-Bromophenyl phenyl ether	69		59		40-140	16		30
Bis(2-chloroisopropyl)ether	60		59		40-140	2		30
Bis(2-chloroethoxy)methane	61		58		40-140	5		30
Hexachlorobutadiene	72		59		40-140	20		30
Hexachlorocyclopentadiene	80		74		40-140	8		30
Hexachloroethane	60		62		40-140	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG2147284-2 WG2147284-3								
Isophorone	65		63		40-140	3		30
Naphthalene	56		52		40-140	7		30
Nitrobenzene	68		70		40-140	3		30
NDPA/DPA	69		63		40-140	9		30
n-Nitrosodi-n-propylamine	67		68		29-132	1		30
Bis(2-ethylhexyl)phthalate	82		75		40-140	9		30
Butyl benzyl phthalate	82		76		40-140	8		30
Di-n-butylphthalate	77		72		40-140	7		30
Di-n-octylphthalate	82		78		40-140	5		30
Diethyl phthalate	74		67		40-140	10		30
Dimethyl phthalate	71		65		40-140	9		30
Benzo(a)anthracene	71		68		40-140	4		30
Benzo(a)pyrene	67		63		40-140	6		30
Benzo(b)fluoranthene	65		66		40-140	2		30
Benzo(k)fluoranthene	63		61		40-140	3		30
Chrysene	70		67		40-140	4		30
Acenaphthylene	66		59		45-123	11		30
Anthracene	66		61		40-140	8		30
Benzo(ghi)perylene	61		61		40-140	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG2147284-2 WG2147284-3								
Fluorene	66		58		40-140	13		30
Phenanthrene	64		60		40-140	6		30
Dibenzo(a,h)anthracene	65		66		40-140	2		30
Indeno(1,2,3-cd)pyrene	67		63		40-140	6		30
Pyrene	69		67		26-127	3		30
Biphenyl	62		55		40-140	12		30
4-Chloroaniline	93		80		40-140	15		30
2-Nitroaniline	74		70		52-143	6		30
3-Nitroaniline	75		72		25-145	4		30
4-Nitroaniline	72		70		51-143	3		30
Dibenzofuran	66		60		40-140	10		30
2-Methylnaphthalene	62		56		40-140	10		30
1,2,4,5-Tetrachlorobenzene	71		63		2-134	12		30
Acetophenone	61		61		39-129	0		30
2,4,6-Trichlorophenol	71		42		30-130	**51**	Q	30
p-Chloro-m-cresol	82		68		23-97	19		30
2-Chlorophenol	54		41		27-123	27		30
2,4-Dichlorophenol	60		42		30-130	**35**	Q	30
2,4-Dimethylphenol	64		62		30-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG2147284-2 WG2147284-3								
2-Nitrophenol	66		49		30-130	30		30
4-Nitrophenol	69		44		10-80	**44**	Q	30
2,4-Dinitrophenol	86		59		20-130	**37**	Q	30
4,6-Dinitro-o-cresol	92		65		20-164	**34**	Q	30
Pentachlorophenol	88		58		9-103	**41**	Q	30
Phenol	39		30		12-110	26		30
2-Methylphenol	57		54		30-130	5		30
3-Methylphenol/4-Methylphenol	59		57		30-130	3		30
2,4,5-Trichlorophenol	77		50		30-130	**43**	Q	30
Benzoic Acid	86		77		10-164	11		30
Benzyl Alcohol	76		71		26-116	7		30
Carbazole	67		64		55-144	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG2147284-2 WG2147284-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	47		28		21-120
Phenol-d6	37		30		10-120
Nitrobenzene-d5	72		77		23-120
2-Fluorobiphenyl	69		59		15-120
2,4,6-Tribromophenol	63		35		10-120
4-Terphenyl-d14	66		61		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab	Associated sample(s): 08		Batch: WG2147285-2 WG2147285-3					
Acenaphthene	67		62		40-140	8		40
2-Chloronaphthalene	73		67		40-140	9		40
Fluoranthene	64		64		40-140	0		40
Hexachlorobutadiene	65		62		40-140	5		40
Naphthalene	59		56		40-140	5		40
Benzo(a)anthracene	70		70		40-140	0		40
Benzo(a)pyrene	74		73		40-140	1		40
Benzo(b)fluoranthene	74		71		40-140	4		40
Benzo(k)fluoranthene	70		71		40-140	1		40
Chrysene	70		70		40-140	0		40
Acenaphthylene	78		73		40-140	7		40
Anthracene	73		70		40-140	4		40
Benzo(ghi)perylene	87		85		40-140	2		40
Fluorene	68		64		40-140	6		40
Phenanthrene	69		67		40-140	3		40
Dibenzo(a,h)anthracene	96		94		40-140	2		40
Indeno(1,2,3-cd)pyrene	94		91		40-140	3		40
Pyrene	61		62		40-140	2		40
2-Methylnaphthalene	68		63		40-140	8		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab	Associated sample(s): 08		Batch:		WG2147285-2	WG2147285-3		
Pentachlorophenol	45		**21**	Q	40-140	**73**	Q	40
Hexachlorobenzene	81		77		40-140	5		40
Hexachloroethane	56		54		40-140	4		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	43		27		21-120
Phenol-d6	34		25		10-120
Nitrobenzene-d5	72		65		23-120
2-Fluorobiphenyl	78		70		15-120
2,4,6-Tribromophenol	80		48		10-120
4-Terphenyl-d14	66		64		41-149

PCBS

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-08
Client ID: WC-112525
Sample Location: FAIRPORT, NY
Date Collected: 11/25/25 12:00
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 11/30/25 14:55
Analyst: SDC

Extraction Method: EPA 3510C
Extraction Date: 11/29/25 14:32
Cleanup Method: EPA 3665A
Cleanup Date: 11/29/25
Cleanup Method: EPA 3660B
Cleanup Date: 11/29/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.021	1	A
Aroclor 1221	ND		ug/l	0.071	0.026	1	A
Aroclor 1232	ND		ug/l	0.071	0.026	1	A
Aroclor 1242	ND		ug/l	0.071	0.026	1	A
Aroclor 1248	ND		ug/l	0.071	0.026	1	A
Aroclor 1254	ND		ug/l	0.071	0.026	1	A
Aroclor 1260	ND		ug/l	0.071	0.026	1	A
Aroclor 1262	ND		ug/l	0.071	0.026	1	A
Aroclor 1268	ND		ug/l	0.071	0.026	1	A
PCBs, Total	ND		ug/l	0.071	0.021	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 11/30/25 13:58
Analyst: SDC

Extraction Method: EPA 3510C
Extraction Date: 11/29/25 14:32
Cleanup Method: EPA 3665A
Cleanup Date: 11/29/25
Cleanup Method: EPA 3660B
Cleanup Date: 11/29/25

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 08 Batch: WG2147434-1						
Aroclor 1016	ND		ug/l	0.071	0.021	A
Aroclor 1221	ND		ug/l	0.071	0.026	A
Aroclor 1232	ND		ug/l	0.071	0.026	A
Aroclor 1242	ND		ug/l	0.071	0.026	A
Aroclor 1248	ND		ug/l	0.071	0.026	A
Aroclor 1254	ND		ug/l	0.071	0.026	A
Aroclor 1260	ND		ug/l	0.071	0.026	A
Aroclor 1262	ND		ug/l	0.071	0.026	A
Aroclor 1268	ND		ug/l	0.071	0.026	A
PCBs, Total	ND		ug/l	0.071	0.021	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	104		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 08 Batch: WG2147434-2 WG2147434-3									
Aroclor 1016	71		69		40-140	3		50	A
Aroclor 1260	88		86		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		67		30-150	A
Decachlorobiphenyl	66		65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		73		30-150	B
Decachlorobiphenyl	99		88		30-150	B

PESTICIDES

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-08
Client ID: WC-112525
Sample Location: FAIRPORT, NY
Date Collected: 11/25/25 12:00
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 12/01/25 11:21
Analyst: EJL
Extraction Method: EPA 3510C
Extraction Date: 11/29/25 14:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.006	1	A
Lindane	ND		ug/l	0.014	0.005	1	A
Alpha-BHC	ND		ug/l	0.014	0.006	1	A
Beta-BHC	ND		ug/l	0.020	0.014	1	A
Heptachlor	ND		ug/l	0.014	0.005	1	A
Aldrin	ND		ug/l	0.014	0.005	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.005	1	A
Endrin	ND		ug/l	0.029	0.008	1	A
Endrin aldehyde	ND		ug/l	0.030	0.018	1	A
Endrin ketone	ND		ug/l	0.029	0.014	1	A
Dieldrin	ND		ug/l	0.029	0.004	1	A
4,4'-DDE	ND		ug/l	0.029	0.010	1	A
4,4'-DDD	ND		ug/l	0.029	0.010	1	A
4,4'-DDT	ND		ug/l	0.029	0.024	1	A
Endosulfan I	ND		ug/l	0.014	0.005	1	A
Endosulfan II	ND		ug/l	0.029	0.008	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.007	1	A
Methoxychlor	ND		ug/l	0.143	0.014	1	A
Toxaphene	ND		ug/l	0.200	0.150	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.011	1	A
Chlordane	ND		ug/l	0.143	0.098	1	A

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575576

Project Number: 3113.0001Y000 **Report Date:** 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-08 Date Collected: 11/25/25 12:00

Client ID: WC-112525 Date Received: 11/25/25

Sample Location: FAIRPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-08
Client ID: WC-112525
Sample Location: FAIRPORT, NY

Date Collected: 11/25/25 12:00
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 12/02/25 19:29
Analyst: JAG

Extraction Method: EPA 8151A
Extraction Date: 11/29/25 21:25

Methylation Date: 12/01/25 22:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	47		30-150	A
DCAA	45		30-150	B

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 12/01/25 08:58
Analyst: JAG

Extraction Method: EPA 3510C
Extraction Date: 11/29/25 14:32

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08 Batch: WG2147433-1						
Delta-BHC	ND		ug/l	0.014	0.006	A
Lindane	ND		ug/l	0.014	0.005	A
Alpha-BHC	ND		ug/l	0.014	0.006	A
Beta-BHC	ND		ug/l	0.020	0.014	A
Heptachlor	ND		ug/l	0.014	0.005	A
Aldrin	ND		ug/l	0.014	0.005	A
Heptachlor epoxide	ND		ug/l	0.014	0.005	A
Endrin	ND		ug/l	0.029	0.008	A
Endrin aldehyde	ND		ug/l	0.030	0.018	A
Endrin ketone	ND		ug/l	0.029	0.014	A
Dieldrin	ND		ug/l	0.029	0.004	A
4,4'-DDE	ND		ug/l	0.029	0.010	A
4,4'-DDD	ND		ug/l	0.029	0.010	A
4,4'-DDT	ND		ug/l	0.029	0.024	A
Endosulfan I	ND		ug/l	0.014	0.005	A
Endosulfan II	ND		ug/l	0.029	0.008	A
Endosulfan sulfate	ND		ug/l	0.029	0.007	A
Methoxychlor	ND		ug/l	0.143	0.014	A
Toxaphene	ND		ug/l	0.200	0.150	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.011	A
Chlordane	ND		ug/l	0.143	0.098	A

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 12/01/25 08:58
Analyst: JAG

Extraction Method: EPA 3510C
Extraction Date: 11/29/25 14:32

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08 Batch: WG2147433-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 12/02/25 18:33
Analyst: JAG

Extraction Method: EPA 8151A
Extraction Date: 11/29/25 21:25

Methylation Date: 12/01/25 22:00

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 08 Batch: WG2147488-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	86		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08 Batch: WG2147433-2 WG2147433-3									
Delta-BHC	71		70		30-150	1		20	A
Lindane	86		85		30-150	2		20	A
Alpha-BHC	82		81		30-150	1		20	A
Beta-BHC	79		80		30-150	1		20	A
Heptachlor	84		85		30-150	0		20	A
Aldrin	76		78		30-150	3		20	A
Heptachlor epoxide	85		86		30-150	1		20	A
Endrin	68		85		30-150	**22**	Q	20	A
Endrin aldehyde	70		73		30-150	4		20	A
Endrin ketone	96		87		30-150	10		20	A
Dieldrin	83		85		30-150	2		20	A
4,4'-DDE	79		80		30-150	2		20	A
4,4'-DDD	87		88		30-150	1		20	A
4,4'-DDT	94		93		30-150	1		20	A
Endosulfan I	80		81		30-150	1		20	A
Endosulfan II	82		83		30-150	1		20	A
Endosulfan sulfate	79		80		30-150	1		20	A
Methoxychlor	89		90		30-150	1		20	A
cis-Chlordane	75		77		30-150	3		20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08 Batch: WG2147433-2 WG2147433-3									
trans-Chlordane	79		81		30-150	2		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		66		30-150	A
Decachlorobiphenyl	66		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		88		30-150	B
Decachlorobiphenyl	97		97		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 08 Batch: WG2147488-2 WG2147488-3									
2,4-D	86		88		30-150	2		25	A
2,4,5-T	88		90		30-150	2		25	A
2,4,5-TP (Silvex)	88		89		30-150	1		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	83		88		30-150	A
DCAA	99		103		30-150	B

METALS

Project Name: 1000 TURK HILL RD GWS
Lab Number: L2575576
Project Number: 3113.0001Y000
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-08
Client ID: WC-112525
Sample Location: FAIRPORT, NY
Date Collected: 11/25/25 12:00
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0199		mg/l	0.0100	0.00327	1	12/02/25 12:03	12/08/25 18:04	EPA 3005A	1,6020B	TAA
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/02/25 12:03	12/08/25 18:04	EPA 3005A	1,6020B	TAA
Arsenic, Total	0.00269		mg/l	0.00050	0.00016	1	12/02/25 12:03	12/08/25 18:04	EPA 3005A	1,6020B	TAA
Barium, Total	0.7665		mg/l	0.00050	0.00017	1	12/02/25 12:03	12/08/25 18:04	EPA 3005A	1,6020B	TAA
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/02/25 12:03	12/08/25 18:04	EPA 3005A	1,6020B	TAA
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/02/25 12:03	12/08/25 18:04	EPA 3005A	1,6020B	TAA
Calcium, Total	158.		mg/l	0.100	0.0394	1	12/02/25 12:03	12/08/25 18:04	EPA 3005A	1,6020B	TAA
Chromium, Total	ND		mg/l	0.00100	0.00017	1	12/02/25 12:03	12/08/25 18:04	EPA 3005A	1,6020B	TAA
Cobalt, Total	0.00031	J	mg/l	0.00050	0.00016	1	12/02/25 12:03	12/08/25 18:04	EPA 3005A	1,6020B	TAA
Copper, Total	0.00070	J	mg/l	0.00100	0.00038	1	12/02/25 12:03	12/08/25 18:04	EPA 3005A	1,6020B	TAA
Iron, Total	10.1		mg/l	0.0500	0.0191	1	12/02/25 12:03	12/08/25 18:04	EPA 3005A	1,6020B	TAA
Lead, Total	ND		mg/l	0.00100	0.00034	1	12/02/25 12:03	12/08/25 18:04	EPA 3005A	1,6020B	TAA
Magnesium, Total	43.8		mg/l	0.0700	0.0242	1	12/02/25 12:03	12/08/25 18:04	EPA 3005A	1,6020B	TAA
Manganese, Total	0.9808		mg/l	0.00100	0.00044	1	12/02/25 12:03	12/08/25 18:04	EPA 3005A	1,6020B	TAA
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/02/25 17:19	12/03/25 09:58	EPA 7470A	1,7470A	JWN
Nickel, Total	0.00137	J	mg/l	0.00200	0.00055	1	12/02/25 12:03	12/08/25 18:04	EPA 3005A	1,6020B	TAA
Potassium, Total	6.35		mg/l	0.100	0.0309	1	12/02/25 12:03	12/08/25 18:04	EPA 3005A	1,6020B	TAA
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/02/25 12:03	12/08/25 18:04	EPA 3005A	1,6020B	TAA
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/02/25 12:03	12/08/25 18:04	EPA 3005A	1,6020B	TAA
Sodium, Total	431.		mg/l	5.00	0.293	10	12/02/25 12:03	12/08/25 18:36	EPA 3005A	1,6020B	TAA
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/02/25 12:03	12/08/25 18:04	EPA 3005A	1,6020B	TAA
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/02/25 12:03	12/08/25 18:04	EPA 3005A	1,6020B	TAA
Zinc, Total	0.00435	J	mg/l	0.01000	0.00341	1	12/02/25 12:03	12/08/25 18:04	EPA 3005A	1,6020B	TAA

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 08 Batch: WG2148481-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	12/02/25 12:03	12/04/25 20:34	1,6020B	TAA
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/02/25 12:03	12/04/25 20:34	1,6020B	TAA
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	12/02/25 12:03	12/04/25 20:34	1,6020B	TAA
Barium, Total	ND		mg/l	0.00050	0.00017	1	12/02/25 12:03	12/04/25 20:34	1,6020B	TAA
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/02/25 12:03	12/04/25 20:34	1,6020B	TAA
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/02/25 12:03	12/04/25 20:34	1,6020B	TAA
Calcium, Total	ND		mg/l	0.100	0.0394	1	12/02/25 12:03	12/04/25 20:34	1,6020B	TAA
Chromium, Total	ND		mg/l	0.00100	0.00017	1	12/02/25 12:03	12/04/25 20:34	1,6020B	TAA
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	12/02/25 12:03	12/04/25 20:34	1,6020B	TAA
Copper, Total	ND		mg/l	0.00100	0.00038	1	12/02/25 12:03	12/04/25 20:34	1,6020B	TAA
Iron, Total	ND		mg/l	0.0500	0.0191	1	12/02/25 12:03	12/04/25 20:34	1,6020B	TAA
Lead, Total	ND		mg/l	0.00100	0.00034	1	12/02/25 12:03	12/04/25 20:34	1,6020B	TAA
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	12/02/25 12:03	12/04/25 20:34	1,6020B	TAA
Manganese, Total	ND		mg/l	0.00100	0.00044	1	12/02/25 12:03	12/04/25 20:34	1,6020B	TAA
Nickel, Total	ND		mg/l	0.00200	0.00055	1	12/02/25 12:03	12/04/25 20:34	1,6020B	TAA
Potassium, Total	ND		mg/l	0.100	0.0309	1	12/02/25 12:03	12/04/25 20:34	1,6020B	TAA
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/02/25 12:03	12/04/25 20:34	1,6020B	TAA
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/02/25 12:03	12/04/25 20:34	1,6020B	TAA
Sodium, Total	ND		mg/l	0.500	0.0293	1	12/02/25 12:03	12/04/25 20:34	1,6020B	TAA
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/02/25 12:03	12/04/25 20:34	1,6020B	TAA
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/02/25 12:03	12/04/25 20:34	1,6020B	TAA
Zinc, Total	ND		mg/l	0.01000	0.00341	1	12/02/25 12:03	12/04/25 20:34	1,6020B	TAA

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 08 Batch: WG2148486-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/02/25 17:19	12/03/25 09:35	1,7470A	JWN

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000
Lab Number: L2575576
Report Date: 12/09/25

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 Batch: WG2148481-2								
Aluminum, Total	92		-		80-120	-		
Antimony, Total	86		-		80-120	-		
Arsenic, Total	99		-		80-120	-		
Barium, Total	95		-		80-120	-		
Beryllium, Total	80		-		80-120	-		
Cadmium, Total	98		-		80-120	-		
Calcium, Total	103		-		80-120	-		
Chromium, Total	92		-		80-120	-		
Cobalt, Total	90		-		80-120	-		
Copper, Total	92		-		80-120	-		
Iron, Total	101		-		80-120	-		
Lead, Total	98		-		80-120	-		
Magnesium, Total	97		-		80-120	-		
Manganese, Total	95		-		80-120	-		
Nickel, Total	91		-		80-120	-		
Potassium, Total	108		-		80-120	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	90		-		80-120	-		
Sodium, Total	92		-		80-120	-		
Thallium, Total	101		-		80-120	-		
Vanadium, Total	91		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 Batch: WG2148481-2					
Zinc, Total	92	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 08 Batch: WG2148486-2					
Mercury, Total	97	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08	QC Batch ID: WG2148481-3	WG2148481-4	QC Sample: L2573456-06	Client ID: MS Sample								
Aluminum, Total	0.153	2	1.99	92		2.07	96		75-125	4		20
Antimony, Total	ND	0.5	0.4514	90		0.4616	92		75-125	2		20
Arsenic, Total	0.00049J	0.12	0.1162	97		0.1192	99		75-125	3		20
Barium, Total	0.1120	2	1.929	91		1.950	92		75-125	1		20
Beryllium, Total	ND	0.05	0.04303	86		0.04352	87		75-125	1		20
Cadmium, Total	0.00007J	0.053	0.05055	95		0.05069	96		75-125	0		20
Calcium, Total	48.1	10	55.7	76		54.9	**68**	Q	75-125	1		20
Chromium, Total	0.00398	0.2	0.1779	87		0.1738	85		75-125	2		20
Cobalt, Total	0.00064	0.5	0.4372	87		0.4434	88		75-125	1		20
Copper, Total	0.00147	0.25	0.2194	87		0.2337	93		75-125	6		20
Iron, Total	0.439	1	1.30	86		1.35	91		75-125	4		20
Lead, Total	ND	0.53	0.5040	95		0.5171	98		75-125	3		20
Magnesium, Total	15.7	10	25.5	98		24.7	90		75-125	3		20
Manganese, Total	3.522	0.5	4.579	**211**	Q	4.478	**191**	Q	75-125	2		20
Nickel, Total	0.00401	0.5	0.4596	91		0.4860	96		75-125	6		20
Potassium, Total	52.1	10	67.3	**152**	Q	66.9	**148**	Q	75-125	1		20
Selenium, Total	ND	0.12	0.118	98		0.120	100		75-125	2		20
Silver, Total	ND	0.05	0.04329	86		0.04462	89		75-125	3		20
Sodium, Total	46.4	10	61.2	**148**	Q	58.7	123		75-125	4		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG2148481-3 WG2148481-4 QC Sample: L2573456-06 Client ID: MS Sample												
Thallium, Total	0.00021J	0.12	0.1179	98		0.1190	99		75-125	1		20
Vanadium, Total	ND	0.5	0.4611	92		0.4417	88		75-125	4		20
Zinc, Total	ND	0.5	0.4371	87		0.4392	88		75-125	0		20
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG2148486-3 WG2148486-4 QC Sample: L2573456-06 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00473	95		0.00480	96		75-125	1		20

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2575576
Report Date: 12/09/25

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG2148481-6 QC Sample: L2573456-06 Client ID: DUP Sample						
Barium, Total	0.1120	0.1128	mg/l	1		20
Calcium, Total	48.1	44.8	mg/l	7		20
Magnesium, Total	15.7	15.2	mg/l	3		20
Manganese, Total	3.522	4.045	mg/l	15		20
Potassium, Total	52.1	57.4	mg/l	10		20
Sodium, Total	46.4	50.0	mg/l	8		20

INORGANICS
&
MISCELLANEOUS

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-01
Client ID: MW-2S
Sample Location: FAIRPORT, NY

Date Collected: 11/25/25 14:30
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Nitrogen, Nitrate/Nitrite	0.40		mg/l	0.10	0.046	1	-	12/06/25 08:37	121,4500NO3-F	KAF
Sulfate	2.6	J	mg/l	10	1.4	1	12/06/25 22:20	12/06/25 22:20	121,4500SO4-E	MAW
Total Organic Carbon	1300		mg/l	200	39.	400	-	12/03/25 00:32	1,9060A	DEW

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-02
Client ID: MW-2M
Sample Location: FAIRPORT, NY

Date Collected: 11/25/25 10:35
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Nitrogen, Nitrate/Nitrite	0.10		mg/l	0.10	0.046	1	-	12/06/25 08:38	121,4500NO3-F	KAF
Sulfate	11.		mg/l	10	1.4	1	12/06/25 22:20	12/06/25 22:20	121,4500SO4-E	MAW
Total Organic Carbon	330		mg/l	200	39.	400	-	12/03/25 00:32	1,9060A	DEW

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-03
Client ID: MW-16S
Sample Location: FAIRPORT, NY

Date Collected: 11/25/25 13:45
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Nitrogen, Nitrate/Nitrite	ND		mg/l	0.10	0.046	1	-	12/06/25 08:40	121,4500NO3-F	KAF
Sulfate	2.1	J	mg/l	10	1.4	1	12/06/25 22:20	12/06/25 22:20	121,4500SO4-E	MAW
Total Organic Carbon	92.		mg/l	20	3.9	40	-	12/03/25 00:32	1,9060A	DEW

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-04
Client ID: RXMW-9S
Sample Location: FAIRPORT, NY

Date Collected: 11/25/25 12:15
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Nitrogen, Nitrate/Nitrite	0.18		mg/l	0.10	0.046	1	-	12/06/25 08:41	121,4500NO3-F	KAF
Sulfate	340		mg/l	100	14.	10	12/06/25 22:20	12/06/25 22:20	121,4500SO4-E	MAW
Total Organic Carbon	15.		mg/l	5.0	0.97	10	-	12/04/25 05:32	1,9060A	SMD

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-05
Client ID: MW-35M
Sample Location: FAIRPORT, NY

Date Collected: 11/25/25 09:45
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Nitrogen, Nitrate/Nitrite	0.084	J	mg/l	0.10	0.046	1	-	12/06/25 08:42	121,4500NO3-F	KAF
Sulfate	2.1	J	mg/l	10	1.4	1	12/06/25 22:20	12/06/25 22:20	121,4500SO4-E	MAW
Total Organic Carbon	28.		mg/l	20	3.9	40	-	12/03/25 00:32	1,9060A	DEW

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-06
Client ID: DUP-112525
Sample Location: FAIRPORT, NY

Date Collected: 11/25/25 09:00
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Nitrogen, Nitrate/Nitrite	0.080	J	mg/l	0.10	0.046	1	-	12/06/25 08:43	121,4500NO3-F	KAF
Sulfate	2.1	J	mg/l	10	1.4	1	12/06/25 22:20	12/06/25 22:20	121,4500SO4-E	MAW
Total Organic Carbon	4.9		mg/l	0.50	0.09	1	-	12/03/25 00:32	1,9060A	DEW

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

SAMPLE RESULTS

Lab ID: L2575576-08
Client ID: WC-112525
Sample Location: FAIRPORT, NY

Date Collected: 11/25/25 12:00
Date Received: 11/25/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/03/25 17:00	12/04/25 12:15	1,9010C/9012B	JER
pH (H)	6.86		SU	-	NA	1	-	11/26/25 15:37	1,9040C	DMO
Flash Point	>150		deg F	70	NA	1	-	12/05/25 15:30	1,1010A	MRM
Chromium, Hexavalent	ND		mg/l	0.050	0.015	5	11/26/25 08:10	11/26/25 08:23	1,7196A	DMO
Cyanide, Reactive	ND		mg/l	1.0	1.0	1	12/02/25 06:20	12/02/25 07:39	125,7.3	DYQ
Sulfide, Reactive	ND		mg/l	1.0	1.0	1	12/02/25 06:20	12/02/25 07:23	125,7.3	DYQ

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575576

Project Number: 3113.0001Y000 **Report Date:** 12/09/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 08 Batch: WG2146762-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	11/26/25 08:10	11/26/25 08:22	1,7196A	DMO
General Chemistry - Westborough Lab for sample(s): 08 Batch: WG2148260-1										
Sulfide, Reactive	ND		mg/l	1.0	1.0	1	12/02/25 06:20	12/02/25 07:21	125,7.3	DYQ
General Chemistry - Westborough Lab for sample(s): 08 Batch: WG2148261-1										
Cyanide, Reactive	ND		mg/l	1.0	1.0	1	12/02/25 06:20	12/02/25 07:38	125,7.3	DYQ
General Chemistry - Westborough Lab for sample(s): 01-03,05-06 Batch: WG2148764-1										
Total Organic Carbon	ND		mg/l	0.50	0.09	1	-	12/03/25 00:32	1,9060A	DEW
General Chemistry - Westborough Lab for sample(s): 08 Batch: WG2149184-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/03/25 17:00	12/04/25 11:50	1,9010C/9012B	JER
General Chemistry - Westborough Lab for sample(s): 04 Batch: WG2149634-1										
Total Organic Carbon	ND		mg/l	0.50	0.09	1	-	12/04/25 05:32	1,9060A	SMD
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG2150321-1										
Nitrogen, Nitrate/Nitrite	ND		mg/l	0.10	0.046	1	-	12/06/25 03:44	121,4500NO3-F	KAF
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG2150496-1										
Sulfate	1.9	J	mg/l	10	1.4	1	12/06/25 22:20	12/06/25 22:20	121,4500SO4-E	MAW

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08 Batch: WG2146762-2								
Chromium, Hexavalent	107		-		85-115	-		
General Chemistry - Westborough Lab Associated sample(s): 08 Batch: WG2146998-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 08 Batch: WG2148260-2								
Sulfide, Reactive	73		-		60-125	-		
General Chemistry - Westborough Lab Associated sample(s): 08 Batch: WG2148261-2								
Cyanide, Reactive	48		-		30-125	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-06 Batch: WG2148764-2								
Total Organic Carbon	90		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 08 Batch: WG2149184-2 WG2149184-3								
Cyanide, Total	112		109		85-115	3		20
General Chemistry - Westborough Lab Associated sample(s): 04 Batch: WG2149634-2								
Total Organic Carbon	95		-		90-110	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08 Batch: WG2150215-1								
Flash Point	102		-		96-104	-		
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG2150321-2								
Nitrogen, Nitrate/Nitrite	102		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG2150496-2								
Sulfate	100		-		90-110	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG2146762-4 QC Sample: L2575576-08 Client ID: WC-112525												
Chromium, Hexavalent	ND	0.5	0.538	108		-	-		85-115	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-06 QC Batch ID: WG2148764-4 QC Sample: L2575403-02 Client ID: MS Sample												
Total Organic Carbon	1.1	16	17	99		-	-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-06 QC Batch ID: WG2148764-6 QC Sample: L2575403-04 Client ID: MS Sample												
Total Organic Carbon	0.34J	16	13	81		-	-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG2149184-4 WG2149184-5 QC Sample: L2575175-01 Client ID: MS Sample												
Cyanide, Total	0.002J	0.2	0.226	113		0.230	115		80-120	1		20
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG2149184-6 WG2149184-7 QC Sample: L2575175-03 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.232	116		0.234	117		80-120	1		20
General Chemistry - Westborough Lab Associated sample(s): 04 QC Batch ID: WG2149634-3 QC Sample: L2576696-08 Client ID: MS Sample												
Total Organic Carbon	5.5	16	22	103		-	-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG2150321-4 QC Sample: L2574244-01 Client ID: MS Sample												
Nitrogen, Nitrate/Nitrite	1.1	4	5.0	98		-	-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG2150496-4 QC Sample: L2575576-03 Client ID: MW-16S												
Sulfate	2.1J	20	35	**175**	Q	-	-		55-147	-		

Lab Duplicate Analysis

Batch Quality Control

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG2146762-3 QC Sample: L2575576-08 Client ID: WC-112525						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG2146998-2 QC Sample: L2574997-01 Client ID: DUP Sample						
pH	5.77	5.87	SU	2		5
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG2148260-3 QC Sample: L2575576-08 Client ID: WC-112525						
Sulfide, Reactive	ND	ND	mg/l	NC		25
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG2148261-3 QC Sample: L2575576-08 Client ID: WC-112525						
Cyanide, Reactive	ND	ND	mg/l	NC		25
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-06 QC Batch ID: WG2148764-3 QC Sample: L2575403-02 Client ID: DUP Sample						
Total Organic Carbon	1.1	1.2	mg/l	9		20
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-06 QC Batch ID: WG2148764-5 QC Sample: L2575403-04 Client ID: DUP Sample						
Total Organic Carbon	0.34J	0.36J	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 04 QC Batch ID: WG2149634-4 QC Sample: L2576696-08 Client ID: DUP Sample						
Total Organic Carbon	5.5	5.4	mg/l	2		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG2150321-3 QC Sample: L2574244-01 Client ID: DUP Sample						
Nitrogen, Nitrate/Nitrite	1.1	1.1	mg/l	0		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 1000 TURK HILL RD GWS

Project Number: 3113.0001Y000

Lab Number: L2575576

Report Date: 12/09/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG2150496-3 QC Sample: L2575576-03 Client ID: MW-16S						
Sulfate	2.1J	2.1J	mg/l	NC		14

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2575576-01A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575576-01B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575576-01C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575576-01D	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575576-01E	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575576-01F	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575576-01G	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575576-01H	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575576-01J	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575576-01K	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575576-01L	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575576-01M	Plastic 120ml unpreserved	NA	NA			Y	Absent		SO4-4500(28)
L2575576-01N	Plastic 250ml H2SO4 preserved	NA	NA			Y	Absent		NO3/NO2-4500(28)
L2575576-02A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575576-02B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575576-02C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575576-02D	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575576-02E	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575576-02F	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575576-02G	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575576-02H	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575576-02J	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575576-02K	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)

*Values in parentheses indicate holding time in days

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2575576-02L	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575576-02M	Plastic 120ml unpreserved	NA	NA			Y	Absent		SO4-4500(28)
L2575576-02N	Plastic 250ml H2SO4 preserved	NA	NA			Y	Absent		NO3/NO2-4500(28)
L2575576-03A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575576-03B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575576-03C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575576-03D	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575576-03E	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575576-03F	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575576-03G	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575576-03H	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575576-03J	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575576-03K	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575576-03L	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575576-03M	Plastic 120ml unpreserved	NA	NA			Y	Absent		SO4-4500(28)
L2575576-03N	Plastic 250ml H2SO4 preserved	NA	NA			Y	Absent		NO3/NO2-4500(28)
L2575576-04A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575576-04B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575576-04C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575576-04D	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575576-04E	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575576-04F	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575576-04G	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575576-04H	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575576-04J	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575576-04K	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575576-04L	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575576-04M	Plastic 120ml unpreserved	NA	NA			Y	Absent		SO4-4500(28)

*Values in parentheses indicate holding time in days

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2575576-04N	Plastic 250ml H2SO4 preserved	NA	NA			Y	Absent		NO3/NO2-4500(28)
L2575576-05A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575576-05B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575576-05C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575576-05D	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575576-05E	Vial H2SO4 preserved	NA	NA			Y	Absent		ARCHIVE()
L2575576-05F	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575576-05G	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575576-05H	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575576-05J	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575576-05K	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575576-05L	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575576-05M	Plastic 120ml unpreserved	NA	NA			Y	Absent		SO4-4500(28)
L2575576-05N	Plastic 250ml H2SO4 preserved	NA	NA			Y	Absent		NO3/NO2-4500(28)
L2575576-06A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575576-06B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575576-06C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575576-06D	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575576-06E	Vial H2SO4 preserved	NA	NA			Y	Absent		TOC-9060(28)
L2575576-06F	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575576-06G	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575576-06H	20ml Vial HCl preserved	NA	NA			Y	Absent		SUB-DISSGAS(14)
L2575576-06J	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575576-06K	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575576-06L	Vial unpreserved 20ml hard-cap	NA	NA			Y	Absent		SUB-DISSGAS-CO2(14)
L2575576-06M	Plastic 120ml unpreserved	NA	NA			Y	Absent		SO4-4500(28)
L2575576-06N	Plastic 250ml H2SO4 preserved	NA	NA			Y	Absent		NO3/NO2-4500(28)
L2575576-07A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2575576-07B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575576-08A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575576-08B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575576-08C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260(14)
L2575576-08D	Amber 100ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2575576-08E	Amber 100ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2575576-08F	Amber 100ml unpreserved	NA	NA			Y	Absent		HERB-APA(7),NYTCL-8270-RVT(7),NYTCL-8081-RVT(7),NYTCL-8270-SIM-RVT(7)
L2575576-08G	Amber 100ml unpreserved	NA	NA			Y	Absent		HERB-APA(7),NYTCL-8270-RVT(7),NYTCL-8081-RVT(7),NYTCL-8270-SIM-RVT(7)
L2575576-08H	Amber 100ml unpreserved	NA	NA			Y	Absent		HERB-APA(7),NYTCL-8270-RVT(7),NYTCL-8081-RVT(7),NYTCL-8270-SIM-RVT(7)
L2575576-08J	Amber 100ml unpreserved	NA	NA			Y	Absent		HERB-APA(7),NYTCL-8270-RVT(7),NYTCL-8081-RVT(7),NYTCL-8270-SIM-RVT(7)
L2575576-08K	Plastic 250ml NaOH preserved	NA	NA			Y	Absent		TCN-9010(14)
L2575576-08L	Plastic 250ml unpreserved	NA	NA			Y	Absent		HEXCR-7196(1),PH-9040(1)
L2575576-08M	Plastic 250ml HNO3 preserved	NA	NA			Y	Absent		BA-6020T(180),SE-6020T(180),FE-6020T(180),TL-6020T(180),CR-6020T(180),NI-6020T(180),CA-6020T(180),K-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L2575576-08N	Amber 500ml unpreserved	NA	NA			Y	Absent		REACTS(7),REACTCN(7),FLASH()
L2575576-08O	Amber 1L unpreserved	NA	NA			Y	Absent		HERB-APA(7),NYTCL-8270-RVT(7),NYTCL-8081-RVT(7),NYTCL-8270-SIM-RVT(7)
L2575576-08P	Amber 1L unpreserved	NA	NA			Y	Absent		HERB-APA(7),NYTCL-8270-RVT(7),NYTCL-8081-RVT(7),NYTCL-8270-SIM-RVT(7)

*Values in parentheses indicate holding time in days

Project Name:	1000 TURK HILL RD GWS	**Lab Number:**	L2575576
Project Number:	3113.0001Y000	**Report Date:**	12/09/25

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	1000 TURK HILL RD GWS	**Lab Number:**	L2575576
Project Number:	3113.0001Y000	**Report Date:**	12/09/25

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	1000 TURK HILL RD GWS	**Lab Number:**	L2575576
Project Number:	3113.0001Y000	**Report Date:**	12/09/25

Data Qualifiers

estimated.

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

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

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Project Name: 1000 TURK HILL RD GWS **Lab Number:** L2575576

Project Number: 3113.0001Y000 **Report Date:** 12/09/25

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, SM4500CL-G, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1: Hg. **EPA 245.7:** Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY kY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
MA M-MA00030, CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 85084, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, LA 245052, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

NEW YORK CHAIN OF CUSTODY

Pace ANALYTICAL SERVICES

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

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

Service Centers
Woodcliff Lake, NJ 07677: 123 Tice Blvd, Suite 101
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 11/26/25

L2575576
ROUX – NY

Client Information

Client: ROUX
Address: 209 Shafter St
Islandia, NY 11749
Phone: 631-232-2600
Fax:
Email: masmith@rouxinc.com

Project Information

Project Name: 1000 Turkhill Rd GWS
Project Location: Fairport, NY
Project #: 3113.0001y000
(Use Project name as Project #)
Project Manager: Matt Smith
PACE Quote #: 543322

Turn-Around Time

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

Deliverables

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

Billing Information

Same as Client Info: X
PO #

Regulatory Requirement

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

Disposal Site Information

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

These samples have been previously analyzed by Pace: ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

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

PACE Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260 TICs	methane, ethane	ethene	Total Organic Carbon	Nitrate/Nitrite	Sulfate	Carbon Dioxide	Sample Specific Comments	Total # Bottles
75576-01	MW-2S	11/25/25	14:30	GW	JY	X	X	X	X	X	X	X		13
02	MW-2M	11/25/25	10:35	GW	JY	X	X	X	X	X	X	X		13
03	MW-11S	11/25/25	13:45	GW	ES	X	X	X	X	X	X	X		13
04	RxMW-9S	11/25/25	12:15	GW	ES	X	X	X	X	X	X	X		13
05	MW-35M	11/25/25	09:45	GW	ES	X	X	X	X	X	X	X		13
06	DUP-112525	11/25/25	09:00	GW	ES	X	X	X	X	X	X	X		13
07	Trip-Blank-2	11/25/25	12:00	W	JY	X								2

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

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

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

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
	11/25/25 15:30	PACE	11/25/25 1530
PACE	11/25/25 1722	Roch. S.C	11/25/25 1722
Roch NY	11-25-25 1844		11-25-25 1844
	11-25-25		11-25 2336
	11-26 0338		11/26/25 0330

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

Form No: 01-25 HC (rev. 29-Jan-2025)

NEW YORK CHAIN OF CUSTODY

Pace ANALYTICAL SERVICES

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

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

Service Centers
Woodcliff Lake, NJ 07677: 123 Tice Blvd, Suite 101
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 11/26/25

L2575576
ROUX – NY

Client Information

Client: ROUX
Address: 209 Shafter St
Islandia, NY 11749
Phone: 631-232-2600
Fax:
Email: masmith@rouxinc.com

Project Information

Project Name: 1000 Turk Hill Rd GWS
Project Location: Fairport, NY
Project #: 3113.0001Y000
(Use Project name as Project #): ☐
Project Manager: Matt Smith
PACE Quote #: 543322

Turn-Around Time

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

Deliverables

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

Regulatory Requirement

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

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

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

These samples have been previously analyzed by Pace ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

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

PACE Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	HAZ. WASTE Characterization	Hex Chromium 7196	Total Cyanide 9012/9010	TCL PCBs 8082A	TAL Metals-6010				Sample Specific Comments	Total Bottle
75576-08	WC-112525	11/25/25	12:00	GW	JY	X	X	X	X	X					

Container Type:
Preservative:

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Emily Lynch	11/25/25 1530	J.H. Napoli PACE	11/25/25 1530
J.H. Napoli PACE	11/25/25 1722	Nap Roch. S.C.	11/25/25 1722
Roch NY	11-25-25 1844	Rochester Mail Room	11-25-25 1844
Rochester Mail Room	11-25-25		11/26/25 0330

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

Form No: 01-25 HC (rev. 29-Jan-2025)

REPORT TO: (One contact listed in this section will receive a copy of reports.) *

Name:
Company: ROUX
Address: 209 Shafter Street
Islandia, NY 11749

Email: masmith@rouxinc.com
Phone: 631-232-2600

Project Manager: Matt Smith
PM email: masmith@rouxinc.com
Project Name: 1000 Turk Hill Rd GWS
Project No.: 3113.0001Y000

INVOICE TO: (For invoices paid by a third party if a single invoice than all information is provided)

Name: Jennifer Byrnes
Company: PACE Analytical
Address:

Email: Jennifer.byrnes@pacelabs.com
Phone: 716-427-5328

Purchase Order No.:

Issued by Microbial Insights:
MI Subcontract ID:
MI Quote No.:

microbialinsights

Ship samples for weekday delivery to:**
ATTN: Sample Custodian
10515 Research Dr
Knoxville, TN 37932
865-573-8188
www.microbe.com

Please Check One:
☐ More samples to follow
X No Additional Samples

Report Type: ☒ Standard Level II (default) ☐ Level III raw data ☐ Level IV Report ☐ Comprehensive Report (15% surcharge)

EDD type: ☐ Standard EDD (default) ☐ Specialty EDD (5% surcharge) Specialty EDD Type:

Please contact us with any questions about the analyses or filling out the COC at (865) 573-8188 (9:00 am to 5:00 pm EST, M-F). After hours email: customerservice@microbe.com

Sample Information						Analyses																										
								QuantArray®				Census® qPCR																					
MI ID (Laboratory Use Only)	Sample Name	Date Sampled	Time Sampled	Matrix	Total Number of Containers	PLFA	NGS	QuantArray Chlor [1]	QuantArray Petro [1]	QuantArray NSZD [1]	QuantArray BGC [1]	DHC (Dehalococcoides)	OHC (Halogenated gases including VC)	DHB (Dehalobacter)	DHG (Dehalogenimicrobium)	DSH (Desulfitobacterium)	DSB (Desulfitobacterium)	ESAC (Total)	SRB (Sulfate Reducing Bacteria APS)	MOH (Methanogens)	MOB (Methanotrophs)	SMMO (Soluble Methane Monooxygenase)	DNF (Denitrifiers-nirS and nirK)	PMY (MTBE aerobic)	RMO (Toluene Monooxygenase)	BDEC (Toluene Benzoylsuccinate)	PHE (Phenol Hydroxylase)	NAH (Naphthalene aerobic)	BSSA (Toluene/Xylene Anaerobic)	qpcr CENSUS	qpcr CENSUS	qpcr CENSUS	RNA (Expression Cycles) [2]
	MW-2S	11/25/25	14:30	GW	1							X																				
	MW-16S	11/25/25	13:45	GW	1							X																				
	RxMW-9S	11/25/25	12:15	GW	1							X																				
	MW-35M	11/25/25	09:45	GW	1																											

Volume Filtered
25mL
800mL
400mL
500mL

Relinquished by: Emily Smith Date: 11/25/25 16:00 Received by: (lab use only) Date:

It is vital that chain of custody is filled out correctly & that all information is provided. Failure to provide sufficient and/or correct information regarding reporting, invoicing & analyses requested may result in delays for which MI will not be liable.

[1] If a QuantArray is selected only additional targets not already included need to be marked. [2] Additional cost and sample preservation are associated with RNA samples.

SATURDAY DELIVERY: See sampling protocol for the alternate shipping address and special instructions.

Sample Delivery Group Summary

Pace Job Number : L2575576

Account Name : Roux Env. Eng. & Geology, DPC
Project Number : 3113.0001Y000
Project Name : 1000 TURK HILL RD GWS

Received : 25-NOV-2025
Reviewer : Maile Kolton

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	3.5	

Condition Information

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

2) Extra samples received? **NO**

3) Are there any sample container discrepancies? **YES**
L2575576-05E (ARCHIVE) was received in broken container.
L2575576-08A (ARCHIVE) was received in extra container.
L2575576-08B (ARCHIVE) was received in extra container.
L2575576-08C (ARCHIVE) was received in extra container.
L2575576-08F (ARCHIVE) was received in extra container.
L2575576-08G (ARCHIVE) was received in extra container.
L2575576-08H (ARCHIVE) was received in extra container.
L2575576-08J (ARCHIVE) was received in extra container.
L2575576-08O (ARCHIVE) was received in extra container.
L2575576-08P (ARCHIVE) was received in extra container.

4) Are there any discrepancies between COC & sample labels? **NO**

5) Are samples in appropriate containers for requested analysis? **NO**
Please refer to information noted in Question 3 above.

6) Are samples properly preserved for requested analysis? **YES**

7) Are samples within holding time for requested analysis? **YES**

8) All sampling equipment returned? **NA**

Sample Delivery Group Summary

Pace Job Number : L2575576

Account Name : Roux Env. Eng. & Geology, DPC
Project Number : 3113.0001Y000
Project Name : 1000 TURK HILL RD GWS

Received : 25-NOV-2025
Reviewer : Maile Kolton

Volatile Organics/VPH

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

10515 Research Dr.
Knoxville, TN 37932
Phone: (865) 573-8188
Fax: (865) 573-8133

ACCREDITED
CERTIFICATE #7157.01

Client: Jennifer Byrnes
Pace Analytical (Formerly AlphaLab)
8 Walkup Dr
Westborough, MA 01581

Phone: 716-427-5228

Fax:

Identifier: 001WL **Date Rec:** 12/01/2025 **Report Date:** 12/02/2025

Client Project #: L2575576 **Client Project Name:** 1000 Turk Hill Rd GWS

Purchase Order #:

Test Results Provided For: CENSUS

Reviewed By: Sarah Keys

NOTICE: This report is intended only for the addressee shown above and contains project specific information. If you have received this in error, please notify Microbial Insights, Inc. immediately. The data and other information in this report represent only the sample(s) analyzed in the condition received and with the information provided. The report shall not be reproduced, unless in full, without approval from Microbial Insights, Inc.

Results relate only to the items tested and the sample(s) as received by the laboratory.

MICROBIAL INSIGHTS, INC.

10515 Research Dr., Knoxville TN 37932
Tel. (865) 573-8188 Fax. (865) 573-8133

CENSUS

Client: **Pace Analytical (Formerly AlphaLab)** **MI Project Number:** **001WL**

Project: 1000 Turk Hill Rd GWS Date Received: 12/01/2025

Sample Information

Client Sample ID:	**L2575576-01 / MW-2S**	**L2575576-03 / MW-16S**	**L2575576-04 / RXMW-9S**	**L2575576-05 / MW-35M**
Sample Date:	11/25/2025	11/25/2025	11/25/2025	11/25/2025
Units:	cells/mL	cells/mL	cells/mL	cells/mL
Analyst/Reviewer:	CM/SK	CM/SK	CM/SK	CM/SK

Dechlorinating Bacteria

Dehalococcoides	*DHC*	**3.20E+02**	**8.30E+00**	**1.10E+04**	**5.10E+00**

Legend:

NA = Not Analyzed NS = Not Sampled J = Estimated gene copies below PQL but above LQL I = Inhibited
< = Result not detected

Quality Assurance/Quality Control Data

Samples Received: **12/01/2025**

Component	Date Prepared	Date Analyzed	Arrival Temperature	Positive Control	Extraction Blank	Negative Control
DHC	12/01/2025	12/02/2025	0°C	107%	non-detect	non-detect

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

December 5, 2025

Jennifer Byrnes
Pace Analytical Services - Westborough, MA
8 Walkup Drive
Westborough, MA 01581

Project Location: L2575576
Client Job Number:
Project Number: L2575576
Laboratory Work Order Number: 25K1792

Enclosed are results of analyses for samples as received by the laboratory on November 26, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kristi L. Gosselin
Project Manager

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Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Pace Analytical Services - Westborough, MA
8 Walkup Drive
Westborough, MA 01581
ATTN: Jennifer Byrnes

REPORT DATE: 12/5/2025

PURCHASE ORDER NUMBER:

PROJECT NUMBER: L2575576

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25K1792

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: L2575576

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-2S	25K1792-01	Water		RSK175	
MW-2M	25K1792-02	Water		RSK175	
MW-16S	25K1792-03	Water		RSK175	
RXMW-9S	25K1792-04	Water		RSK175	
MW-35M	25K1792-05	Water		RSK175	
DUP-112525	25K1792-06	Water		RSK175	

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

RSK175

Qualifications:

PR-06

pH of sample (pH 3) is outside of method specified preservation criteria.

Analyte & Samples(s) Qualified:

25K1792-04[RXMW-9S], 25K1792-05[MW-35M], 25K1792-05RE1[MW-35M]

PR-07

pH of sample (pH 4) is outside of method specified preservation criteria.

Analyte & Samples(s) Qualified:

25K1792-02[MW-2M]

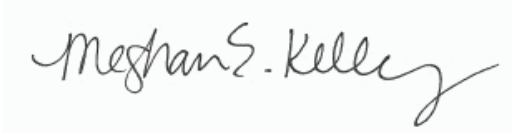
PR-08

pH of sample (pH 5) is outside of method specified preservation criteria.

Analyte & Samples(s) Qualified:

25K1792-01[MW-2S], B418505-DUP2

The results of analyses reported only relate to samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Reporting Specialist

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: L2575576 Sample Description: Work Order: 25K1792

Date Received: 11/26/2025

Field Sample #: MW-2S Sampled: 11/25/2025 14:30

Sample ID: 25K1792-01

Sample Matrix: Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Carbon Dioxide	110	1.4	0.43	mg/L	4		RSK175	12/2/25	12/2/25 11:35	TPH
Ethane	ND	0.0052	0.00083	mg/L	1		RSK175	12/2/25	12/2/25 11:26	TPH
Ethene	ND	0.0065	0.0016	mg/L	1		RSK175	12/2/25	12/2/25 11:26	TPH
Methane	1.5	0.0026	0.00040	mg/L	1		RSK175	12/2/25	12/2/25 11:26	TPH

Pace Analytical Services, LLC - East Longmeadow, Ma

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Project Location: L2575576 Sample Description: Work Order: 25K1792

Date Received: 11/26/2025

Field Sample #: MW-2M Sampled: 11/25/2025 10:35

Sample ID: 25K1792-02

Sample Matrix: Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Carbon Dioxide	100	1.4	0.43	mg/L	4		RSK175	12/2/25	12/2/25 11:49	TPH
Ethane	ND	0.0052	0.00083	mg/L	1		RSK175	12/2/25	12/2/25 11:34	TPH
Ethene	0.0046	0.0065	0.0016	mg/L	1	J	RSK175	12/2/25	12/2/25 11:34	TPH
Methane	9.8	0.0026	0.00040	mg/L	1		RSK175	12/2/25	12/2/25 11:34	TPH

Pace Analytical Services, LLC - East Longmeadow, Ma

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Project Location: L2575576 Sample Description: Work Order: 25K1792

Date Received: 11/26/2025

Field Sample #: MW-16S Sampled: 11/25/2025 13:45

Sample ID: 25K1792-03

Sample Matrix: Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Carbon Dioxide	5.3	1.4	0.43	mg/L	4		RSK175	12/2/25	12/2/25 12:04	TPH
Ethane	ND	0.0052	0.00083	mg/L	1		RSK175	12/2/25	12/2/25 11:43	TPH
Ethene	ND	0.0065	0.0016	mg/L	1		RSK175	12/2/25	12/2/25 11:43	TPH
Methane	0.032	0.0026	0.00040	mg/L	1		RSK175	12/2/25	12/2/25 11:43	TPH

Pace Analytical Services, LLC - East Longmeadow, Ma

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Project Location: L2575576 Sample Description: Work Order: 25K1792

Date Received: 11/26/2025

Field Sample #: RXMW-9S Sampled: 11/25/2025 12:15

Sample ID: 25K1792-04

Sample Matrix: Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Carbon Dioxide	53	1.4	0.43	mg/L	4		RSK175	12/2/25	12/2/25 12:34	TPH
Ethane	0.0068	0.0052	0.00083	mg/L	1		RSK175	12/2/25	12/2/25 11:59	TPH
Ethene	0.38	0.0065	0.0016	mg/L	1		RSK175	12/2/25	12/2/25 11:59	TPH
Methane	1.2	0.0026	0.00040	mg/L	1		RSK175	12/2/25	12/2/25 11:59	TPH

Pace Analytical Services, LLC - East Longmeadow, Ma

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Project Location: L2575576 Sample Description: Work Order: 25K1792

Date Received: 11/26/2025

Field Sample #: MW-35M Sampled: 11/25/2025 09:45

Sample ID: 25K1792-05

Sample Matrix: Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Carbon Dioxide	84	1.4	0.43	mg/L	4		RSK175	12/2/25	12/2/25 12:49	TPH
Ethane	0.19	0.0052	0.00083	mg/L	1		RSK175	12/2/25	12/2/25 12:08	TPH
Ethene	ND	0.0065	0.0016	mg/L	1		RSK175	12/2/25	12/2/25 12:08	TPH
Methane	13	0.0052	0.00080	mg/L	2		RSK175	12/2/25	12/2/25 13:46	TPH

Pace Analytical Services, LLC - East Longmeadow, Ma

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Project Location: L2575576 Sample Description: Work Order: 25K1792

Date Received: 11/26/2025

Field Sample #: DUP-112525 Sampled: 11/25/2025 09:00

Sample ID: 25K1792-06

Sample Matrix: Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Carbon Dioxide	33	1.4	0.43	mg/L	4		RSK175	12/2/25	12/2/25 13:04	TPH
Ethane	0.016	0.0052	0.00083	mg/L	1		RSK175	12/2/25	12/2/25 12:16	TPH
Ethene	ND	0.0065	0.0016	mg/L	1		RSK175	12/2/25	12/2/25 12:16	TPH
Methane	4.6	0.0026	0.00040	mg/L	1		RSK175	12/2/25	12/2/25 12:16	TPH

Pace Analytical Services, LLC - East Longmeadow, Ma

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Sample Extraction Data

Prep Method:RSK175 **Analytical Method:RSK175**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25K1792-01 [MW-2S]	B418345	0.25	1.00	12/02/25
25K1792-02 [MW-2M]	B418345	0.25	1.00	12/02/25
25K1792-03 [MW-16S]	B418345	0.25	1.00	12/02/25
25K1792-04 [RXMW-9S]	B418345	0.25	1.00	12/02/25
25K1792-05 [MW-35M]	B418345	0.25	1.00	12/02/25
25K1792-06 [DUP-112525]	B418345	0.25	1.00	12/02/25

Prep Method:RSK175 **Analytical Method:RSK175**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25K1792-01 [MW-2S]	B418505	1	1.00	12/02/25
25K1792-02 [MW-2M]	B418505	1	1.00	12/02/25
25K1792-03 [MW-16S]	B418505	1	1.00	12/02/25
25K1792-04 [RXMW-9S]	B418505	1	1.00	12/02/25
25K1792-05 [MW-35M]	B418505	1	1.00	12/02/25
25K1792-05RE1 [MW-35M]	B418505	0.5	1.00	12/02/25
25K1792-06 [DUP-112525]	B418505	1	1.00	12/02/25

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QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B418345 - RSK175										
Blank (B418345-BLK1)				Prepared & Analyzed: 12/02/25						
Carbon Dioxide	0.24	0.36	mg/L							J
LCS (B418345-BS1)				Prepared & Analyzed: 12/02/25						
Carbon Dioxide	1.2		mg/L	1.171		104	85-115			
Duplicate (B418345-DUP1)	**Source: 25K1792-03**			Prepared & Analyzed: 12/02/25						
Carbon Dioxide	5.27	1.4	mg/L		5.33			1.19	20	
Batch B418505 - RSK175										
Blank (B418505-BLK1)				Prepared & Analyzed: 12/02/25						
Ethane	ND	0.0052	mg/L							
Ethene	ND	0.0065	mg/L							
Methane	ND	0.0026	mg/L							
LCS (B418505-BS1)				Prepared & Analyzed: 12/02/25						
Ethane	0.15		mg/L	0.1588		91.4	73.1-116			
Ethene	0.14		mg/L	0.1482		91.6	67.6-116			
Methane	0.073		mg/L	0.08470		86.4	73.2-114			
Duplicate (B418505-DUP1)	**Source: 25K1792-03**			Prepared & Analyzed: 12/02/25						
Ethane	ND	0.0052	mg/L		ND			NC	20	
Ethene	ND	0.0065	mg/L		ND			NC	20	
Methane	0.0315	0.0026	mg/L		0.0317			0.664	20	
Duplicate (B418505-DUP2)	**Source: 25K1792-01**			Prepared & Analyzed: 12/02/25						**PR-08**
Ethane	ND	0.0052	mg/L		ND			NC	20	
Ethene	ND	0.0065	mg/L		ND			NC	20	
Methane	1.54	0.0026	mg/L		1.55			0.626	20	

Pace Analytical Services, LLC - East Longmeadow, Ma

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
PR-06	pH of sample (pH 3) is outside of method specified preservation criteria.
PR-07	pH of sample (pH 4) is outside of method specified preservation criteria.
PR-08	pH of sample (pH 5) is outside of method specified preservation criteria.

Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
RSK175 in Water	
Ethane	NY,NH,NJ,VA,ME,PA
Ethene	NY,NH,NJ,VA,ME,PA
Methane	NY,NH,NJ,VA,ME,PA

Pace Analytical Services, LLC - East Longmeadow, Ma, operates under the following certifications and accreditations:

Code	Description	Number	Expires
NY	New York State Department of Health	10899 NELAP	04/1/2026
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2026
NJ	New Jersey DEP	MA007 NELAP	06/30/2026
ME	State of Maine	MA00100	06/9/2027
VA	Commonwealth of Virginia	460217	12/14/2025
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2026

Subcontract Chain of Custody

Pace New England
39 Spruce St
East Longmeadow, MA 01028

25K1792

Pace Job Number
L2575576

Page 1

Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019

Report To:west.subreports@pacelabs.com
Bill To:invoices@pacelabs.coupahost.com

Phone: 716.427.5228
Email: Jennifer.Byrnes@pacelabs.com

Project Information

Project Location: NY
Project Manager: Jennifer Byrnes

Turnaround & Deliverables Information

Due Date: 12/11/25
Deliverables: ASP Category B Deliverables (Level 4)

Regulatory Requirements/Report Limits

State/Federal Program:
Regulatory Criteria:

Report to MDL UDI EDD

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2575576 Report to include Method and/or Regulatory required batch QC

Additional Comments:

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2575576-01	MW-2S	11-25-25 14:30	WATER	Dissolved Gasses	Methane, Ethane, Ethene		3
				WATER	Dissolved Gasses-CO2	Diss Gas CO2		3
	L2575576-02	MW-2M	11-25-25 10:35	WATER	Dissolved Gasses	Methane, Ethane, Ethene		3
				WATER	Dissolved Gasses-CO2	Diss Gas CO2		3
	L2575576-03	MW-16S	11-25-25 13:45	WATER	Dissolved Gasses	Methane, Ethane, Ethene		3
				WATER	Dissolved Gasses-CO2	Diss Gas CO2		3
	L2575576-04	RXMW-9S	11-25-25 12:15	WATER	Dissolved Gasses	Methane, Ethane, Ethene		3
				WATER	Dissolved Gasses-CO2	Diss Gas CO2		3
	L2575576-05	MW-35M	11-25-25 09:45	WATER	Dissolved Gasses	Methane, Ethane, Ethene		3
				WATER	Dissolved Gasses-CO2	Diss Gas CO2		3

	Relinquished By:	Date/Time:	Received By:	Date/Time:
		11/26/25 18:30		11/26/25 1830
			MSP 08	11/26/25 2000

Form No: AL_subcoc

Pace

Subcontract Chain of Custody

Pace New England
39 Spruce St
East Longmeadow, MA 01028

Pace Job Number
L2575576

Page 2

Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019

Report To:west.subreports@pacelabs.com
Bill To:invoices@pacelabs.coupahost.com

Phone: 716.427.5228
Email: Jennifer.Byrnes@pacelabs.com

Project Information

Project Location: NY
Project Manager: Jennifer Byrnes

Turnaround & Deliverables Information

Due Date: 12/11/25
Deliverables: ASP Category B Deliverables (Level 4)

Regulatory Requirements/Report Limits

State/Federal Program:
Regulatory Criteria:

Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2575576 Report to include Method and/or Regulatory required batch QC

Additional Comments:

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2575576-06	DUP-112525	11-25-25 09:00	WATER WATER	Dissolved Gasses Dissolved Gasses-CO2	Methane, Ethane, Ethene Diss Gas CO2		3 3

	Relinquished By:	Date/Time:	Received By:	Date/Time:
		11/26/25 18:30		11/24/25 1830
			ASP 0.8	11/20/25 2000
Form No: AL_subcoc				

ENV-FRM-ELON-0001 v09_Sample Receiving Checklist

Log In Back-Sheet

Client PACE - WB

Project WG755714

MCP/RCP Required N/A

Deliverable Package Requirement ~~N/A~~ ASP CAT B (L4) ASP 11/20/25

Location NY

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time ASP 11/20/25 2000

Back-Sheet By / Date / Time ASP 11/20/25 2134

Temperature Method GUN # 4

WV samples: Yes (see note*) / (No) (follow normal procedure)

Temp ✓ < 6° C Actual Temperature 0.8

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy)
Any False statement will be brought to the attention of the Client -- True or False

	True	False
Received on Ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☐	☒
Trip Blanks	☐	☒
Lab to Filters	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☐

Project ☒ IDs ☒ Collection Date/Time ☒

All Samples Proper pH: (N/A) ☐ ☐

Samples Chlorinated: (N/A) ☐ ☐

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

DC#_Title: ENV-FRM-ELON-0157 v01_Sample Receiving Container Sheet
Effective Date:

	Soils				Ambers Glass									Plastics																Vials									Other
	16 (oz)	8 (oz)	4 (oz)	2 (oz)	1L			250mL				100 (mL)	Other	1L		500mL		250mL							125 (mL)	80 (mL)	Encore		8oz	Other			VOA 40mL							20mL		
	C / A	C / A	C / A	C / A	Unp.	HCl	H_2SO_4	Unp.	Phos.	HCl	H_2SO_4	Unp.	8oz-BR	Unp.	H_2SO_4	Unp.	H_2SO_4	Unp.	Triz	H_2SO_4	HNO_3	Amm. Ace	NaOH	NaOH+ZnAce	Unp.	Unp.	25g	5g	Unp.	Bag	Bac/ Col	Unp.	HCl	MeOH	DI	$NaHSO_4$	H_2S_4	Asc. Acid	Unp.	HCl	
1																																					3	3	
2																																							
3																																							
4																																							
5																																							
6																																							
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16																																							
17																																							
18																																							
19																																							
20																																							

NEW YORK CHAIN OF CUSTODY

Pace

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

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

Service Centers
Woodcliff Lake, NJ 07677: 123 Tice Blvd, Suite 101
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 11/26/25

PM: L2575576 ROUX – NY

Client Information

Client: ROUX
Address: 209 Shafter St
Islandia, NY 11749
Phone: 631-232-2600
Fax:
Email: masmith@rouxinc.com

Project Information

Project Name: 1000 Turkhill Rd GWS
Project Location: Fairport, NY
Project #: 3113.0001V000
(Use Project name as Project #)
Project Manager: Matt Smith
PACE Quote #: 543322

Turn-Around Time

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

These samples have been previously analyzed by Pace:

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

ASP-A
ASP-B
EQuIS (1 File): X
EQuIS (4 File)
Other

Regulatory Requirement

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

Billing Information

Same as Client info: X
PO #

Disposal Site Information

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

ANALYSIS

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

PACE Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260 w TICs	methane, ethane	ethene	Total Organic Carbon	Nitrate/Nitrite	Sulfate	Carbon Dioxide	Sample Specific Comments	Total Bottles
75576-01	MW-2S	11/25/25	11:30	GW	JY	X	X	X	X	X	X	X		13
02	MW-2M	11/25/25	10:35	GW	JY	X	X	X	X	X	X	X		13
03	MW-16S	11/25/25	13:45	GW	ES	X	X	X	X	X	X	X		13
04	RxMW-9S	11/25/25	12:15	GW	ES	X	X	X	X	X	X	X		13
05	MW-35M	11/25/25	09:45	GW	ES	X	X	X	X	X	X	X		13
06	DUP-112625	11/25/25	09:00	GW	ES	X	X	X	X	X	X	X		13
07	Trip Blank-2	11/25/25	12:00	W	JY	X								2

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

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

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

Container Type:
Preservative:

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

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	11/25/25 15:30	[signature] PACE	11/25/25 1530
[signature] PACE	11/25/25 1722	[signature] Roch. S.C.	11/25/25 1722
[signature] Roch NY	11-25-25 18:44	[signature]	11-25-25 1844
[signature]	11-26-25 0330	[signature]	11-25 2334
			11/26/25 0330

Form No: 01-25 HC (rev. 29-Jan-2025)

Pace

NEW YORK CHAIN OF CUSTODY

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

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

Service Centers
Woodcliff Lake, NJ 07677: 123 Tice Blvd, Suite 101
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 11/26/25

L2575576
ROUX – NY

Client Information

Client: ROUX
Address: 209 Shafter St
Islandia, NY 11749
Phone: 631-232-2600
Fax:
Email: masmith@rouxinc.com

Project Information

Project Name: 1000 Turk Hill Rd GWS
Project Location: Fairport, NY
Project #: 3113.0001Y000
(Use Project name as Project #):
Project Manager: Matt Smith
PACE Quote #: 543322

Turn-Around Time

Standard: X — Due Date:
Rush (only if pre approved): — # of Days:

These samples have been previously analyzed by Pace:

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

- ASP-A
- ASP-B: X
- EQuIS (1 File): X
- EQuIS (4 File)
- Other

Regulatory Requirement

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

Billing Information

- Same as Client Info: X
- PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
- NJ
- NY: X
- Other:

ANALYSIS

PACE Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	HAZ. WASTE Characterization	Hex Chromium 7196	Total Cyanide 9012/9010	TCL PCBs 8082A	TAL Metals 6010				Total Bottles
75576-08	WC-112525	11/25/25	12:00	GW	JY	X	X	X	X	X				

Sample Filtration
- Done: X
- Lab to do
- Preservation
- Lab to do
- (Please Specify below)

Sample Specific Comments

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

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

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

Container Type:
Preservative:

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

Relinquished By	Date/Time	Received By	Date/Time
Emily Lynch	11/25/25 1530	J.H. Napoli, PACE	11/25/25 1530
J.H. Napoli PACE	11/25/25 1722	Mary Roach S.C.	11/25/25 1722
Roach NY	11-25-25 1844	Rosemarie Williams	11-25-25 1844
Rosemarie Williams	11-25-25 11		11/26/25 0330

Form No: 01-25 HC (rev. 29-Jan-2025)

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Instrument SV112 Run Date 11/29/25 Run ID R2041653 1996
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Semivolatiles QC Summary 2002
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Form 4 - Organics 2005
Form 5 - Organics 2006
Form 8 - Organics 2008
MDL Study - 8270 Low Level PAH 2010
Semivolatiles Sample Data 2011
Form 1 - Organics 2012
WC-112525 (L2575576-08) Analyzed: 11/29/25 15:13 2014
Semivolatiles Standards Data 2019
Initial Calibration 2020
Form 6 - Organics 2021
ICAL for SV119 on 11/18/25 ICAL22823 2023
Initial Calibration Summary - Cal Date: 11/18/25 00:00 2023
Injected on: 11/14/25 11:53 2024
Degradation Injected on: 11/14/25 11:53 2025
Tailing Factor Injected on: 11/14/25 11:53 2026
IL10 Injected on: 11/14/25 12:11 2028
IL9 Injected on: 11/14/25 12:30 2032
IL8 Injected on: 11/14/25 12:49 2036
IL7 Injected on: 11/14/25 13:08 2040
IL6 Injected on: 11/14/25 13:27 2045
IL5 Injected on: 11/14/25 13:46 2052
IL4 Injected on: 11/14/25 14:05 2061
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Laboratory Code: 11148

SDG Number: L2575576

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IL9 Injected on: 11/14/25 12:30 2032
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1016/1260 L5 (30ug/L) Injected on: 11/07/25 12:06 2743
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Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2575576-01	MW-2S	WATER	FAIRPORT, NY	11/25/25 14:30	11/25/25
L2575576-02	MW-2M	WATER	FAIRPORT, NY	11/25/25 10:35	11/25/25
L2575576-03	MW-16S	WATER	FAIRPORT, NY	11/25/25 13:45	11/25/25
L2575576-04	RXMW-9S	WATER	FAIRPORT, NY	11/25/25 12:15	11/25/25
L2575576-05	MW-35M	WATER	FAIRPORT, NY	11/25/25 09:45	11/25/25
L2575576-06	DUP-112525	WATER	FAIRPORT, NY	11/25/25 09:00	11/25/25
L2575576-07	TRIP-BLANK-2	TRIP BLANK (AQUEOUS)	FAIRPORT, NY	11/25/25 12:00	11/25/25
L2575576-08	WC-112525	WATER	FAIRPORT, NY	11/25/25 12:00	11/25/25

Case Narrative

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

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

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

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

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

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

Case Narrative (continued)

Report Submission

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

The analyses of DHC, Dissolved Gases, and Carbon Dioxide were subcontracted. Copies of the laboratory reports are included as an addendum. Please note: This data is only available in PDF format and is not available on Data Merger.

Sample Receipt

L2575576-08: Sample containers for Volatile Organics, Semivolatile Organics, Pesticides, and Herbicides were received, but not listed on the chain of custody. At the client's request, the analyses were performed.

Volatile Organics

L2575576-01: The sample was received in the proper acid-preserved containers. Upon analysis the pH was determined to be greater than 2 and the method required holding time was exceeded.

Semivolatile Organics

L2575576-08: The volume of sample received for the analysis deviates from the laboratory's current volume requirements. An aliquot was taken from the original sample container, extracted, analyzed, and reported accordingly.

Semivolatile Organics by SIM

L2575576-08: The volume of sample received for the analysis deviates from the laboratory's current volume requirements. An aliquot was taken from the original sample container, extracted, analyzed, and reported accordingly.

Chromium, Hexavalent

L2575576-08: The sample has an elevated detection limit due to the dilution required by the sample matrix.

Case Narrative (continued)

Sulfate

The WG2150496-4 MS recovery performed on L2575576-03 is outside the acceptance criteria for sulfate (175%); however, the associated LCS recovery is within criteria. No further action was taken.

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

Authorized Signature: Kelly Stenstrom Report Date: 12/09/25

Title: Technical Director/Representative

DATA PACKAGE GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Data Qualifiers

the identification is based on a mass spectral library search.

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

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

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

TYPICAL INSTRUMENT PARAMETERS

Volatile Organics Instruments

Volatile Organics:

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

Volatile Organics: VPH

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

Volatile Organics: PIANO

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

Volatile Organics: Dissolved Gas

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

Volatile Organics in Air Instruments

Volatile Organics in Air:

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

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

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

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

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

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

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

Pesticides/PCB/Herbicides:

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

Petroleum/EPH:

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

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

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

Semivolatile Organics (8270):

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

Semivolatile Organics (8270 SIM):

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

Semivolatile Organics (1,4-Dioxane):

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

Semivolatile Organics (209 Congener):

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

Semivolatile Organics (8081):

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

Semivolatile Organics (8082):

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

Semivolatile Organics (SHC Extractables):

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

Sample Delivery Group Summary

Pace Job Number : L2575576

Account Name : Roux Env. Eng. & Geology, DPC
Project Number : 3113.0001Y000
Project Name : 1000 TURK HILL RD GWS

Received : 25-NOV-2025
Reviewer : Maile Kolton

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	3.5	

Condition Information

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

2) Extra samples received? **NO**

3) Are there any sample container discrepancies? **YES**
L2575576-05E (ARCHIVE) was received in broken container.
L2575576-08A (ARCHIVE) was received in extra container.
L2575576-08B (ARCHIVE) was received in extra container.
L2575576-08C (ARCHIVE) was received in extra container.
L2575576-08F (ARCHIVE) was received in extra container.
L2575576-08G (ARCHIVE) was received in extra container.
L2575576-08H (ARCHIVE) was received in extra container.
L2575576-08J (ARCHIVE) was received in extra container.
L2575576-08O (ARCHIVE) was received in extra container.
L2575576-08P (ARCHIVE) was received in extra container.

4) Are there any discrepancies between COC & sample labels? **NO**

5) Are samples in appropriate containers for requested analysis? **NO**
Please refer to information noted in Question 3 above.

6) Are samples properly preserved for requested analysis? **YES**

7) Are samples within holding time for requested analysis? **YES**

8) All sampling equipment returned? **NA**

Sample Delivery Group Summary

Pace Job Number	: L2575576	Received	: 25-NOV-2025
		Reviewer	: Maile Kolton
Account Name	: Roux Env. Eng. & Geology, DPC		
Project Number	: 3113.0001Y000		
Project Name	: 1000 TURK HILL RD GWS		

Volatile Organics/VPH

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

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Dec 09 2025, 10:57 am

Login Number: L2575576
Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 3113.0001Y000
Received: 25NOV25 Due Date: 11DEC25

Sample #	Client ID	Mat	PR	Collected
L2575576-01	MW-2S		1 S0	25NOV25 14:30

SUB-DHC is direct subbed Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low 8260: Needs TICS Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound ASP-B Package Due Date: 12/11/25

ASP-B,NO3/NO2-4500,NYTCL-8260,SHIPPING,SO4-4500,SUB-DHC,SUB-DISSGAS,SUB-DISSGAS-CO2,TOC-9060

L2575576-02	MW-2M		1 S0	25NOV25 10:35

SUB-DHC is direct subbed Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low 8260: Needs TICS Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound Package Due Date: 12/11/25

NO3/NO2-4500,NYTCL-8260,SO4-4500,SUB-DISSGAS,SUB-DISSGAS-CO2,TOC-9060

L2575576-03	MW-16S		1 S0	25NOV25 13:45

SUB-DHC is direct subbed Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low 8260: Needs TICS Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound Package Due Date: 12/11/25

NO3/NO2-4500,NYTCL-8260,SO4-4500,SUB-DHC,SUB-DISSGAS,SUB-DISSGAS-CO2,TOC-9060

L2575576-04	RXMW-9S		1 S0	25NOV25 12:15

SUB-DHC is direct subbed Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low 8260: Needs TICS Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound Package Due Date: 12/11/25

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Dec 09 2025, 10:57 am

Login Number: L2575576
Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 3113.0001Y000
Received: 25NOV25 Due Date: 11DEC25

Sample #	Client ID	Mat	PR	Collected

NO3/NO2-4500,NYTCL-8260,SO4-4500,SUB-DHC,SUB-DISSGAS,SUB-DISSGAS-CO2,TOC-9060

L2575576-05 MW-35M 1 S0 25NOV25 09:45

SUB-DHC is direct subbed Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low 8260: Needs TICS Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound Package Due Date: 12/11/25

ARCHIVE,NO3/NO2-4500,NYTCL-8260,SO4-4500,SUB-DHC,SUB-DISSGAS,SUB-DISSGAS-CO2,TOC-9060

L2575576-06 DUP-112525 1 S0 25NOV25 09:00

SUB-DHC is direct subbed Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low 8260: Needs TICS Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound Package Due Date: 12/11/25

NO3/NO2-4500,NYTCL-8260,SO4-4500,SUB-DISSGAS,SUB-DISSGAS-CO2,TOC-9060

L2575576-07 TRIP-BLANK-2 1 S0 25NOV25 12:00

SUB-DHC is direct subbed Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low 8260: Needs TICS Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound Package Due Date: 12/11/25

NYTCL-8260

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Dec 09 2025, 10:57 am

Login Number: L2575576

Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 3113.0001Y000

Received: 25NOV25 Due Date: 11DEC25

Sample #	Client ID	Mat	PR	Collected
L2575576-08	WC-112525		1	S0 25NOV25 12:00

SUB-DHC is direct subbed Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low 8260: Needs TICS Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound Package Due Date: 12/11/25

HERB-APA,HEXCR-7196,NYTCL-8081-RVT,NYTCL-8082-RVT,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,
NYTCL-8270-SIM-RVT,TAL-6020T,AG-6020T,AL-6020T,AS-6020T,BA-6020T,BE-6020T,CA-6020T,CD-6020T,CO-
6020T,CR-6020T,CU-6020T,FE-6020T,HG-T,K-6020T,MG-6020T,MN-6020T,NA-6020T,NI-6020T,PB-6020T,PREPT,SB-
6020T,SE-6020T,TL-6020T,V-6020T,ZN-6020T,TCN-9010,WASTE-CHAR-GW,FLASH,PH-9040,REACTCN,REACTS

Logged By: Jennifer Byrnes

NEW YORK CHAIN OF CUSTODY

Pace ANALYTICAL SERVICES

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

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

Service Centers
Woodcliff Lake, NJ 07677: 123 Tice Blvd, Suite 101
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 11/26/25

L2575576
ROUX – NY

Project Information

Project Name: 1000 Turk Hill Rd GWS
Project Location: Fairport, NY
Project #: 3113.0001y000
(Use Project name as Project #): ☐
Project Manager: Matt Smith
PACE Quote #: 543322

Turn-Around Time

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

Client Information

Client: ROUX
Address: 209 Shafter St
Islandia, NY 11749
Phone: 631-232-2600
Fax:
Email: masmith@rouxinc.com

These samples have been previously analyzed by Pace: ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

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

Billing Information

☑ Same as Client Info
PO #

Regulatory Requirement

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

Disposal Site Information

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

ANALYSIS

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

PACE Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260 TICs	methane, ethane	ethene	Total Organic Carbon	Nitrate/Nitrite	Sulfate	Carbon Dioxide	Sample Specific Comments	Total Bottle
75576-01	MW-2S	11/25/25	14:30	GW	JY	X	X	X	X	X	X	X		13
02	MW-2M	11/25/25	10:35	GW	JY	X	X	X	X	X	X	X		13
03	MW-11S	11/25/25	13:45	GW	ES	X	X	X	X	X	X	X		13
04	RxMW-9S	11/25/25	12:15	GW	ES	X	X	X	X	X	X	X		13
05	MW-35M	11/25/25	09:45	GW	ES	X	X	X	X	X	X	X		13
06	DUP-112525	11/25/25	09:00	GW	ES	X	X	X	X	X	X	X		13
07	Trip-Blank-2	11/25/25	12:00	W	JY	X								2

Container Type:
Preservative:

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
	11/25/25 15:30	PACE	11/25/25 1530
PACE	11/25/25 1722	Roch. S.C.	11/25/25 1722
Roch NY	11-25-25 1844		11-25-25 1844
	11-25-25		11-25 2334
	11-26 0338		11/26/25 0330

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

Form No: 01-25 HC (rev. 29-Jan-2025)

NEW YORK CHAIN OF CUSTODY

Pace ANALYTICAL SERVICES

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

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

Service Centers
Woodcliff Lake, NJ 07677: 123 Tice Blvd, Suite 101
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 11/26/25

L2575576
ROUX – NY

Client Information

Client: ROUX
Address: 209 Shafter St
Islandia, NY 11749
Phone: 631-232-2600
Fax:
Email: masmith@rouxinc.com

Project Information

Project Name: 1000 Turk Hill Rd GWS
Project Location: Fairport, NY
Project #: 3113.0001Y000
(Use Project name as Project #):
Project Manager: Matt Smith
PACE Quote #: 543322

Turn-Around Time

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

Deliverables

- ASP-A
- X ASP-B
- X EQuIS (1 File)
- EQuIS (4 File)
- Other

Billing Information

- X Same as Client Info

PO #

Regulatory Requirement

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

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
- NJ
- X NY
- Other:

These samples have been previously analyzed by Pace

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
- X Done
- Lab to do

Preservation
- Lab to do

(Please Specify below)

PACE Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	HAZ. WASTE Characterization	Hex Chromium 7196	Total Cyanide 9012/9010	TCL PCBs 8082A	TAL Metals-6010	Sample Specific Comments	Total Bottle
75576-08	WC-112525	11/25/25	12:00	GW	JY	X	X	X	X	X		

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

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

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

Container Type												
Preservative												

Relinquished By:	Date/Time	Received By:	Date/Time
Emily Lynch	11/25/25 1530	J.H. Napoli PACE	11/25/25 1530
J.H. Napoli PACE	11/25/25 1722	Nap Roux H. S.C.	11/25/25 1722
Roux NY	11-25-25 1844	Rowan Mulligan	11-25-25 1844
Rowan Mulligan	11-25-25		11/26/25 0330

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

Form No: 01-25 HC (rev. 29-Jan-2025)

REPORT TO: (One recipient listed in this section will receive a copy of reports.) *

Name:
Company: ROUX
Address: 209 Shafter Street
Islandia, NY 11749

Email: masmith@rouxinc.com
Phone: 631-232-2600

Project Manager: Matt Smith
PM email: masmith@rouxinc.com
Project Name: 1000 Turk Hill Rd GWS
Project No.: 3113.0001V000

INVOICE TO: (For invoices paid by a third party it is important that all information is provided)

Name: Jennifer Byrnes
Company: PACE Analytical
Address:

Email: Jennifer.byrnes@pacelabs.com
Phone: 716-427-5328

Purchase Order No.:

Issued by Microbial Insights:
MI Subcontract ID:
MI Quote No.:

microbialinsights

Ship samples for weekday delivery to:**
ATTN: Sample Custodian
10515 Research Dr
Knoxville, TN 37932
865-573-8188
www.microbe.com

Please Check One:
☐ More samples to follow
X No Additional Samples

Report Type: ☒ Standard Level II (default) ☐ Level III raw data ☐ Level IV Report ☐ Comprehensive Report (15% surcharge)

EDD type: ☐ Standard EDD (default) ☐ Specialty EDD (5% surcharge) Specialty EDD Type:

Please contact us with any questions about the analyses or filling out the COC at (865) 573-8188 (9:00 am to 5:00 pm EST, M-F). After hours email: customerservice@microbe.com

Sample Information						Analyses																										
								QuantArray®				Census® qPCR																				
MI ID (Laboratory Use Only)	Sample Name	Date Sampled	Time Sampled	Matrix	Total Number of Containers	PLFA	NGS	QuantArray Chlor [1]	QuantArray Petro [1]	QuantArray NSZD [1]	QuantArray BGC [1]	DHC (Dehalococcoides)	DHC (Dehalococcoides genes including vcr)	DHB (Dehalobacter)	DHG (Dehalogenimonas)	DSH (Desulfitobacterium)	DSB (Desulfitospirillum)	ESAC (Total)	SRB (Sulfate Reducing Bacteria APS)	MOH (Methanogens)	MOB (Methanotrophs)	SMMO (Soluble Methane Monooxygenase)	DNF (Denitrifiers-nirS and nirK)	PMY (MTBE aerobic)	RMO (Toluene Monooxygenase)	BDEC (Toluene Benzylsuccinate)	PHE (Phenol Hydroxylase)	NAH (Naphthalene aerobic)	BSSA (Toluene/Xylene Anaerobic)	qpcr CENSUS	qpcr CENSUS	qpcr CENSUS	RNA (Expression Cycles) [2]
	MW-2S	11/25/25	14:30	GW	1							X	X																			
	MW-16S	11/25/25	13:45	GW	1							X	X																			
	RxMW-9S	11/25/25	12:15	GW	1							X	X																			
	MW-35M	11/25/25	09:45	GW	1							X	X																			

Volume Filtered
25mL
800mL
400mL
500mL

Relinquished by: Emily Smith Date: 11/25/25 16:00 Received by: (lab use only) Date:

It is vital that chain of custody is filled out correctly & that all information is provided. Failure to provide sufficient and/or correct information regarding reporting, invoicing & analyses requested may result in delays for which MI will not be liable.

[1] If a QuantArray is selected only additional targets not already included need to be marked. [2] Additional cost and sample preservation are associated with RNA samples.

SATURDAY DELIVERY: See sampling protocol for the alternate shipping address and special instructions.

Organics

GC/MS 8260
Analysis

Volatiles QC Summary

Surrogate Recovery Summary
Form 2
Volatiles

Client: Roux Env. Eng. & Geology, DPC
Project Name: 1000 TURK HILL RD GWS

Lab Number: L2575576
Project Number: 3113.0001Y000
Matrix: Trip Blank (Aqueous)/Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
MW-2S (L2575576-01)	94	90	90	105	0
MW-2M (L2575576-02D)	121	104	111	106	0
MW-16S (L2575576-03)	96	87	89	106	0
RXMW-9S (L2575576-04)	99	86	89	109	0
MW-35M (L2575576-05)	98	89	86	105	0
DUP-112525 (L2575576-06)	101	88	85	107	0
TRIP-BLANK-2 (L2575576-07)	104	87	89	113	0
WC-112525 (L2575576-08)	103	89	86	110	0
WG2149674-3LCS	91	94	93	98	0
WG2149674-4LCSD	90	94	92	98	0
WG2149674-5BLANK	91	92	94	102	0
MW-05_20251201MS	99	93	88	99	0
MW-05_20251201MSD	100	94	87	102	0
WG2150855-3LCS	115	105	106	102	0
WG2150855-4LCSD	122	105	107	105	0
WG2150855-5BLANK	125	103	110	105	0

QC LIMITS

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

*** Values outside of QC limits**

FORM II NYTCL-8260

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2149674-3 **Analysis Date** : 12/03/25 08:51	**File ID**	: V05251203A01
LCSD Sample ID	: WG2149674-4 **Analysis Date** : 12/03/25 09:16	**File ID**	: V05251203A02

	Laboratory Control Sample				Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R		True (ug/l)	Found (ug/l)	%R		RPD	Recovery Limits	RPD Limit
Methylene chloride	10	8.9	89		10	8.1	81		9	70-130	20
1,1-Dichloroethane	10	8.2	82		10	7.2	72		13	70-130	20
Chloroform	10	8.2	82		10	8.2	82		0	70-130	20
Carbon tetrachloride	10	8.7	87		10	8.4	84		4	63-132	20
1,2-Dichloropropane	10	7.5	75		10	7.5	75		0	70-130	20
Dibromochloromethane	10	9.3	93		10	9.3	93		0	63-130	20
1,1,2-Trichloroethane	10	8.6	86		10	8.7	87		1	70-130	20
Tetrachloroethene	10	9.8	98		10	9.6	96		2	70-130	20
Chlorobenzene	10	8.9	89		10	8.8	88		1	75-130	20
Trichlorofluoromethane	10	8.9	89		10	8.4	84		6	62-150	20
1,2-Dichloroethane	10	7.9	79		10	7.8	78		1	70-130	20
1,1,1-Trichloroethane	10	8.6	86		10	8.5	85		1	67-130	20
Bromodichloromethane	10	8.5	85		10	8.4	84		1	67-130	20
trans-1,3-Dichloropropene	10	8.2	82		10	7.9	79		4	70-130	20
cis-1,3-Dichloropropene	10	8.2	82		10	8.0	80		2	70-130	20
1,1-Dichloropropene	10	8.6	86		10	8.3	83		4	70-130	20
Bromoform	10	9.3	93		10	9.3	93		0	54-136	20
1,1,2,2-Tetrachloroethane	10	8.5	85		10	8.6	86		1	67-130	20
Benzene	10	8.4	84		10	8.1	81		4	70-130	20
Toluene	10	8.1	81		10	8.0	80		1	70-130	20
Ethylbenzene	10	8.4	84		10	8.4	84		0	70-130	20
Chloromethane	10	6.0	60	Q	10	5.7	57	Q	5	64-130	20
Bromomethane	10	3.7	37	Q	10	4.9	49		28 Q	39-139	20
Vinyl chloride	10	6.9	69		10	6.6	66		4	55-140	20
Chloroethane	10	7.6	76		10	7.8	78		3	55-138	20
1,1-Dichloroethene	10	9.4	94		10	8.9	89		5	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2149674-3 **Analysis Date** : 12/03/25 08:51	**File ID**	: V05251203A01
LCSD Sample ID	: WG2149674-4 **Analysis Date** : 12/03/25 09:16	**File ID**	: V05251203A02

	Laboratory Control Sample				Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R		True (ug/l)	Found (ug/l)	%R		RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	10	9.6	96		10	8.5	85		12	70-130	20
Trichloroethene	10	8.2	82		10	8.3	83		1	70-130	20
1,2-Dichlorobenzene	10	9.6	96		10	9.4	94		2	70-130	20
1,3-Dichlorobenzene	10	9.4	94		10	9.2	92		2	70-130	20
1,4-Dichlorobenzene	10	9.1	91		10	9.0	90		1	70-130	20
Methyl tert butyl ether	10	9.7	97		10	8.8	88		10	63-130	20
p/m-Xylene	20	18	90		20	18	90		0	70-130	20
o-Xylene	20	18	90		20	18	90		0	70-130	20
cis-1,2-Dichloroethene	10	8.8	88		10	8.7	87		1	70-130	20
Dibromomethane	10	9.0	90		10	8.9	89		1	70-130	20
1,2,3-Trichloropropane	10	8.1	81		10	8.0	80		1	64-130	20
Acrylonitrile	10	8.2	82		10	7.2	72		13	70-130	20
Styrene	20	19	95		20	19	95		0	70-130	20
Dichlorodifluoromethane	10	8.4	84		10	8.4	84		0	36-147	20
Acetone	10	7.7	77		10	6.3	63		20	58-148	20
Carbon disulfide	10	8.8	88		10	8.1	81		8	51-130	20
2-Butanone	10	6.6	66		10	6.7	67		2	63-138	20
Vinyl acetate	10	6.8	68	Q	10	6.3	63	Q	8	70-130	20
4-Methyl-2-pentanone	10	7.2	72		10	7.6	76		5	59-130	20
2-Hexanone	10	6.6	66		10	6.4	64		3	57-130	20
Bromochloromethane	10	10	100		10	10	100		0	70-130	20
2,2-Dichloropropane	10	9.0	90		10	8.5	85		6	63-133	20
1,2-Dibromoethane	10	9.4	94		10	9.5	95		1	70-130	20
1,3-Dichloropropane	10	8.4	84		10	8.4	84		0	70-130	20
1,1,1,2-Tetrachloroethane	10	9.3	93		10	9.3	93		0	64-130	20
Bromobenzene	10	9.3	93		10	9.2	92		1	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2149674-3 **Analysis Date** : 12/03/25 08:51	**File ID**	: V05251203A01
LCSD Sample ID	: WG2149674-4 **Analysis Date** : 12/03/25 09:16	**File ID**	: V05251203A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
n-Butylbenzene	10	8.0	80	10	7.7	77	4	53-136	20
sec-Butylbenzene	10	8.4	84	10	8.1	81	4	70-130	20
tert-Butylbenzene	10	8.7	87	10	8.5	85	2	70-130	20
o-Chlorotoluene	10	8.3	83	10	8.1	81	2	70-130	20
p-Chlorotoluene	10	8.2	82	10	8.1	81	1	70-130	20
1,2-Dibromo-3-chloropropane	10	10	100	10	9.8	98	2	41-144	20
Hexachlorobutadiene	10	10	100	10	9.8	98	2	63-130	20
Isopropylbenzene	10	8.3	83	10	8.0	80	4	70-130	20
p-Isopropyltoluene	10	8.1	81	10	7.8	78	4	70-130	20
Naphthalene	10	10	100	10	9.9	99	1	70-130	20
n-Propylbenzene	10	7.9	79	10	7.8	78	1	69-130	20
1,2,3-Trichlorobenzene	10	11	110	10	10	100	10	70-130	20
1,2,4-Trichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,3,5-Trimethylbenzene	10	8.6	86	10	8.3	83	4	64-130	20
1,2,4-Trimethylbenzene	10	8.6	86	10	8.4	84	2	70-130	20
1,4-Dioxane	500	530	106	500	520	104	2	56-162	20
p-Diethylbenzene	10	8.5	85	10	8.2	82	4	70-130	20
p-Ethyltoluene	10	8.8	88	10	8.5	85	3	70-130	20
1,2,4,5-Tetramethylbenzene	10	9.2	92	10	8.6	86	7	70-130	20
Ethyl ether	10	8.8	88	10	9.0	90	2	59-134	20
trans-1,4-Dichloro-2-butene	10	6.0	60 Q	10	5.8	58 Q	3	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2150855-3 **Analysis Date** : 12/05/25 12:06	**File ID**	: V22251205B01
LCSD Sample ID	: WG2150855-4 **Analysis Date** : 12/05/25 12:31	**File ID**	: V22251205B02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	11	110	10	11	110	0	70-130	20
1,1-Dichloroethane	10	13	130	10	13	130	0	70-130	20
Chloroform	10	11	110	10	11	110	0	70-130	20
Carbon tetrachloride	10	11	110	10	12	120	9	63-132	20
1,2-Dichloropropane	10	11	110	10	12	120	9	70-130	20
Dibromochloromethane	10	9.7	97	10	10	100	3	63-130	20
1,1,2-Trichloroethane	10	11	110	10	11	110	0	70-130	20
Tetrachloroethene	10	10	100	10	9.9	99	1	70-130	20
Chlorobenzene	10	11	110	10	10	100	10	75-130	20
Trichlorofluoromethane	10	12	120	10	12	120	0	62-150	20
1,2-Dichloroethane	10	12	120	10	13	130	8	70-130	20
1,1,1-Trichloroethane	10	11	110	10	12	120	9	67-130	20
Bromodichloromethane	10	11	110	10	12	120	9	67-130	20
trans-1,3-Dichloropropene	10	11	110	10	11	110	0	70-130	20
cis-1,3-Dichloropropene	10	10	100	10	11	110	10	70-130	20
1,1-Dichloropropene	10	11	110	10	11	110	0	70-130	20
Bromoform	10	8.8	88	10	9.4	94	7	54-136	20
1,1,2,2-Tetrachloroethane	10	12	120	10	12	120	0	67-130	20
Benzene	10	12	120	10	12	120	0	70-130	20
Toluene	10	11	110	10	11	110	0	70-130	20
Ethylbenzene	10	10	100	10	10	100	0	70-130	20
Chloromethane	10	13	130	10	12	120	8	64-130	20
Bromomethane	10	8.6	86	10	8.6	86	0	39-139	20
Vinyl chloride	10	12	120	10	12	120	0	55-140	20
Chloroethane	10	12	120	10	12	120	0	55-138	20
1,1-Dichloroethene	10	11	110	10	11	110	0	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2150855-3 **Analysis Date** : 12/05/25 12:06	**File ID**	: V22251205B01
LCSD Sample ID	: WG2150855-4 **Analysis Date** : 12/05/25 12:31	**File ID**	: V22251205B02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	10	10	100	10	11	110	10	70-130	20
Trichloroethene	10	10	100	10	10	100	0	70-130	20
1,2-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,3-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,4-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
Methyl tert butyl ether	10	8.8	88	10	10	100	13	63-130	20
p/m-Xylene	20	20	100	20	20	100	0	70-130	20
o-Xylene	20	19	95	20	19	95	0	70-130	20
cis-1,2-Dichloroethene	10	10	100	10	11	110	10	70-130	20
Dibromomethane	10	10	100	10	11	110	10	70-130	20
1,2,3-Trichloropropane	10	12	120	10	12	120	0	64-130	20
Acrylonitrile	10	12	120	10	12	120	0	70-130	20
Styrene	20	20	100	20	20	100	0	70-130	20
Dichlorodifluoromethane	10	12	120	10	11	110	9	36-147	20
Acetone	10	12	120	10	12	120	0	58-148	20
Carbon disulfide	10	13	130	10	13	130	0	51-130	20
2-Butanone	10	11	110	10	12	120	9	63-138	20
Vinyl acetate	10	13	130	10	14	140 Q	7	70-130	20
4-Methyl-2-pentanone	10	8.6	86	10	9.8	98	13	59-130	20
2-Hexanone	10	8.3	83	10	9.7	97	16	57-130	20
Bromochloromethane	10	10	100	10	10	100	0	70-130	20
2,2-Dichloropropane	10	12	120	10	12	120	0	63-133	20
1,2-Dibromoethane	10	9.6	96	10	10	100	4	70-130	20
1,3-Dichloropropane	10	11	110	10	12	120	9	70-130	20
1,1,1,2-Tetrachloroethane	10	10	100	10	10	100	0	64-130	20
Bromobenzene	10	9.7	97	10	9.8	98	1	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2150855-3 **Analysis Date** : 12/05/25 12:06	**File ID**	: V22251205B01
LCSD Sample ID	: WG2150855-4 **Analysis Date** : 12/05/25 12:31	**File ID**	: V22251205B02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
n-Butylbenzene	10	11	110	10	12	120	9	53-136	20
sec-Butylbenzene	10	11	110	10	12	120	9	70-130	20
tert-Butylbenzene	10	9.7	97	10	9.7	97	0	70-130	20
o-Chlorotoluene	10	11	110	10	11	110	0	70-130	20
p-Chlorotoluene	10	11	110	10	11	110	0	70-130	20
1,2-Dibromo-3-chloropropane	10	9.2	92	10	9.8	98	6	41-144	20
Hexachlorobutadiene	10	9.6	96	10	9.7	97	1	63-130	20
Isopropylbenzene	10	10	100	10	10	100	0	70-130	20
p-Isopropyltoluene	10	10	100	10	10	100	0	70-130	20
Naphthalene	10	7.8	78	10	8.6	86	10	70-130	20
n-Propylbenzene	10	11	110	10	11	110	0	69-130	20
1,2,3-Trichlorobenzene	10	8.3	83	10	9.3	93	11	70-130	20
1,2,4-Trichlorobenzene	10	8.4	84	10	9.1	91	8	70-130	20
1,3,5-Trimethylbenzene	10	10	100	10	10	100	0	64-130	20
1,2,4-Trimethylbenzene	10	10	100	10	10	100	0	70-130	20
1,4-Dioxane	500	330	66	500	400	80	19	56-162	20
p-Diethylbenzene	10	9.9	99	10	10	100	1	70-130	20
p-Ethyltoluene	10	10	100	10	10	100	0	70-130	20
1,2,4,5-Tetramethylbenzene	10	8.8	88	10	9.2	92	4	70-130	20
Ethyl ether	10	10	100	10	11	110	10	59-134	20
trans-1,4-Dichloro-2-butene	10	13	130	10	13	130	0	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab Sample ID	: WG2149674-5	**Lab File ID**	: V05251203A05
Instrument ID	: VOA105		
Matrix	: WATER	**Analysis Date**	: 12/03/25 10:32

Client Sample No.	Lab Sample ID	Analysis Date
WG2149674-3LCS	WG2149674-3	12/03/25 08:51
WG2149674-4LCSD	WG2149674-4	12/03/25 09:16
MW-2S	L2575576-01	12/03/25 12:23
MW-16S	L2575576-03	12/03/25 13:14
RXMW-9S	L2575576-04	12/03/25 13:39
MW-35M	L2575576-05	12/03/25 14:05
DUP-112525	L2575576-06	12/03/25 14:30
TRIP-BLANK-2	L2575576-07	12/03/25 14:56
WC-112525	L2575576-08	12/03/25 15:21
MW-05_20251201MS	WG2149674-6	12/03/25 19:35
MW-05_20251201MSD	WG2149674-7	12/03/25 20:01

Method Blank Summary
Form 4
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab Sample ID	: WG2150855-5	**Lab File ID**	: V22251205B05
Instrument ID	: VOA122		
Matrix	: WATER	**Analysis Date**	: 12/05/25 13:44

Client Sample No.	Lab Sample ID	Analysis Date
WG2150855-3LCS	WG2150855-3	12/05/25 12:06
WG2150855-4LCSD	WG2150855-4	12/05/25 12:31
MW-2M	L2575576-02D	12/05/25 14:09

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

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: VOA105	**Analysis Date**	: 11/07/25 13:00
Tune Standard	: WG2139579-1	**Tune File ID**	: V05251107ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	24
75	30.0 - 80.0% of mass 95	52.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.8 (.9)1
174	Greater than 50.0% of mass 95	80.9
175	5.0 - 9.0% of mass 174	6.1 (7.5)1
176	Greater than 95.0% but less than 101% of mass	78 (96.4)1
177	5.0 - 9.0% of mass 176	5.3 (6.8)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R2034115-1	V05251107A04	11/07/25 14:37
STD0.5PPB	R2034115-2	V05251107A06	11/07/25 16:02
STD2PPB	R2034115-3	V05251107A07	11/07/25 16:28
STD10PPB	R2034115-4	V05251107A09	11/07/25 17:22
STD30PPB	R2034115-5	V05251107A10	11/07/25 17:48
STD80PPB	R2034115-6	V05251107A11	11/07/25 18:14
STD120PPB	R2034115-8	V05251107A12	11/07/25 18:39
STD200PPB	R2034115-7	V05251107A13	11/07/25 19:04
Correlation Data Summary	R2034115-9	V05251107A18	11/07/25 21:12
ICV Quant Report	R2034115-9	V05251107A18	11/07/25 21:12

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

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: VOA105	**Analysis Date**	: 12/03/25 08:36
Tune Standard	: WG2149674-1	**Tune File ID**	: V05251203ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20.4
75	30.0 - 80.0% of mass 95	50.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.9 (1)1
174	Greater than 50.0% of mass 95	93.8
175	5.0 - 9.0% of mass 174	6.9 (7.4)1
176	Greater than 95.0% but less than 101% of mass	90.7 (96.7)1
177	5.0 - 9.0% of mass 176	5.6 (6.2)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2149674-2CCAL	WG2149674-2	V05251203A01	12/03/25 08:51
WG2149674-3LCS	WG2149674-3	V05251203A01	12/03/25 08:51
WG2149674-4LCSD	WG2149674-4	V05251203A02	12/03/25 09:16
WG2149674-5BLANK	WG2149674-5	V05251203A05	12/03/25 10:32
MW-2S	L2575576-01	V05251203A09	12/03/25 12:23
MW-16S	L2575576-03	V05251203A11	12/03/25 13:14
RXMW-9S	L2575576-04	V05251203A12	12/03/25 13:39
MW-35M	L2575576-05	V05251203A13	12/03/25 14:05
DUP-112525	L2575576-06	V05251203A14	12/03/25 14:30
TRIP-BLANK-2	L2575576-07	V05251203A15	12/03/25 14:56
WC-112525	L2575576-08	V05251203A16	12/03/25 15:21
WG2149674-6MS	WG2149674-6	V05251203A26	12/03/25 19:35
WG2149674-7MSD	WG2149674-7	V05251203A27	12/03/25 20:01

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

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: VOA122	**Analysis Date**	: 11/14/25 17:21
Tune Standard	: WG2142111-1	**Tune File ID**	: V22251114ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20.6
75	30.0 - 80.0% of mass 95	50.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.9 (1.2)1
174	Greater than 50.0% of mass 95	79.3
175	5.0 - 9.0% of mass 174	6.1 (7.7)1
176	Greater than 95.0% but less than 101% of mass	77.2 (97.4)1
177	5.0 - 9.0% of mass 176	5 (6.5)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R2036622-1	V22251114A04	11/14/25 18:51
STD0.5PPB	R2036622-2	V22251114A05	11/14/25 19:16
STD2PPB	R2036622-3	V22251114A07	11/14/25 20:05
STD10PPB	R2036622-4	V22251114A09	11/14/25 20:55
STD30PPB	R2036622-5	V22251114A10	11/14/25 21:19
STD80PPB	R2036622-6	V22251114A11	11/14/25 21:44
STD120PPB	R2036622-7	V22251114A12	11/14/25 22:09
STD200PPB	R2036622-8	V22251114A13	11/14/25 22:33
Correlation Data Summary	R2036622-9	V22251114A18	11/15/25 00:37
ICV Quant Report	R2036622-9	V22251114A18	11/15/25 00:37

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

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: VOA122	**Analysis Date**	: 12/05/25 11:58
Tune Standard	: WG2150855-1	**Tune File ID**	: V22251205BBF2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	26.1
75	30.0 - 80.0% of mass 95	55.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0% of mass 95	67.8
175	5.0 - 9.0% of mass 174	5.3 (7.9)1
176	Greater than 95.0% but less than 101% of mass	67.6 (99.6)1
177	5.0 - 9.0% of mass 176	4 (6)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2150855-2CCAL	WG2150855-2	V22251205B01	12/05/25 12:06
WG2150855-3LCS	WG2150855-3	V22251205B01	12/05/25 12:06
WG2150855-4LCSD	WG2150855-4	V22251205B02	12/05/25 12:31
WG2150855-5BLANK	WG2150855-5	V22251205B05	12/05/25 13:44
MW-2M	L2575576-02D	V22251205B06	12/05/25 14:09

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: VOA105	**Analysis Date**	: 12/03/25 08:51:00
Sample No	: WG2149674-2	**Lab File ID**	: V05251203A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2149674-2	383158	5.51	313563	8.99	191277	11.79
Upper Limit	766316	6.01	627126	9.49	382554	12.29
Lower Limit	191579	5.01	156782	8.49	95639	11.29
Sample ID						
WG2149674-3 LCS	383158	5.51	313563	8.99	191277	11.79
WG2149674-4 LCSD	374520	5.51	306507	8.98	192509	11.79
WG2149674-5 BLANK	333195	5.51	266692	8.99	162595	11.79
MW-2S	299330	5.51	239763	8.99	147997	11.79
MW-16S	276997	5.51	228978	8.99	140376	11.80
RXMW-9S	256452	5.51	220906	8.98	134976	11.80
MW-35M	264723	5.51	217255	8.99	142865	11.80
DUP-112525	256073	5.51	213158	8.99	140871	11.79
TRIP-BLANK-2	236365	5.51	200327	8.99	127913	11.80
WC-112525	237780	5.51	198649	8.98	128716	11.80
MW-05_20251201 MS	283085	5.51	226800	8.99	151761	11.79
MW-05_20251201 MSD	282648	5.51	229064	8.98	154215	11.79

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

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

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: VOA122	**Analysis Date**	: 12/05/25 12:06:00
Sample No	: WG2150855-2	**Lab File ID**	: V22251205B01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2150855-2	330379	5.71	247058	9.23	132762	11.99
Upper Limit	660758	6.21	494116	9.73	265524	12.49
Lower Limit	165190	5.21	123529	8.73	66381	11.49
Sample ID						
WG2150855-3 LCS	330379	5.71	247058	9.23	132762	11.99
WG2150855-4 LCSD	340282	5.71	255973	9.23	136591	11.99
WG2150855-5 BLANK	330819	5.71	251411	9.23	120649	11.99
MW-2M	329261	5.71	243403	9.22	114294	11.99

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

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

* Values outside of QC limits

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

Volatile Organics - EPA 8260D (WATER)

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

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

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

Volatile Organics - EPA 8260D (WATER)

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

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

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

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-01	Date Collected	: 11/25/25 14:30
Client ID	: MW-2S	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/03/25 12:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: BAD
Lab File ID	: V05251203A09	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	1.4	1.0	0.07	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-01	Date Collected	: 11/25/25 14:30
Client ID	: MW-2S	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/03/25 12:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: BAD
Lab File ID	: V05251203A09	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.38	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	7.1	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	7.1	2.5	0.70	
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	23	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	120	5.0	1.9	
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-01	Date Collected	: 11/25/25 14:30
Client ID	: MW-2S	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/03/25 12:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: BAD
Lab File ID	: V05251203A09	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575576-01	**Date Collected**	: 11/25/25 14:30
Client ID	: MW-2S	**Date Received**	: 11/25/25
Sample Location	: FAIRPORT, NY	**Date Analyzed**	: 12/03/25 12:23
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: BAD
Lab File ID	: V05251203A09	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575576-01	**Date Collected**	: 11/25/25 14:30
Client ID	: MW-2S	**Date Received**	: 11/25/25
Sample Location	: FAIRPORT, NY	**Date Analyzed**	: 12/03/25 12:23
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: BAD
Lab File ID	: V05251203A09	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-02D	Date Collected	: 11/25/25 10:35
Client ID	: MW-2M	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/05/25 14:09
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V22251205B06	Instrument ID	: VOA122
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	12	3.5	U
75-34-3	1,1-Dichloroethane	ND	12	3.5	U
67-66-3	Chloroform	ND	12	3.5	U
56-23-5	Carbon tetrachloride	ND	2.5	0.67	U
78-87-5	1,2-Dichloropropane	ND	5.0	0.68	U
124-48-1	Dibromochloromethane	ND	2.5	0.74	U
79-00-5	1,1,2-Trichloroethane	ND	7.5	2.5	U
127-18-4	Tetrachloroethene	ND	2.5	0.90	U
108-90-7	Chlorobenzene	ND	12	3.5	U
75-69-4	Trichlorofluoromethane	ND	12	3.5	U
107-06-2	1,2-Dichloroethane	ND	2.5	0.66	U
71-55-6	1,1,1-Trichloroethane	ND	12	3.5	U
75-27-4	Bromodichloromethane	ND	2.5	0.96	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.82	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.72	U
542-75-6	1,3-Dichloropropene, Total	ND	2.5	0.72	U
563-58-6	1,1-Dichloropropene	ND	12	3.5	U
75-25-2	Bromoform	ND	10	3.2	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.84	U
71-43-2	Benzene	ND	2.5	0.80	U
108-88-3	Toluene	ND	12	3.5	U
100-41-4	Ethylbenzene	ND	12	3.5	U
74-87-3	Chloromethane	ND	12	3.5	U
74-83-9	Bromomethane	ND	12	3.5	U
75-01-4	Vinyl chloride	31	5.0	0.36	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-02D	Date Collected	: 11/25/25 10:35
Client ID	: MW-2M	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/05/25 14:09
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V22251205B06	Instrument ID	: VOA122
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	12	3.5	U
75-35-4	1,1-Dichloroethene	ND	2.5	0.84	U
156-60-5	trans-1,2-Dichloroethene	ND	12	3.5	U
79-01-6	Trichloroethene	2.1	2.5	0.88	J
95-50-1	1,2-Dichlorobenzene	ND	12	3.5	U
541-73-1	1,3-Dichlorobenzene	ND	12	3.5	U
106-46-7	1,4-Dichlorobenzene	ND	12	3.5	U
1634-04-4	Methyl tert butyl ether	ND	12	0.83	U
179601-23-1	p/m-Xylene	ND	12	3.5	U
95-47-6	o-Xylene	ND	12	3.5	U
1330-20-7	Xylenes, Total	ND	12	3.5	U
156-59-2	cis-1,2-Dichloroethene	27	12	3.5	
540-59-0	1,2-Dichloroethene, Total	27	12	3.5	
74-95-3	Dibromomethane	ND	25	5.0	U
96-18-4	1,2,3-Trichloropropane	ND	12	3.5	U
107-13-1	Acrylonitrile	ND	25	7.5	U
100-42-5	Styrene	ND	12	3.5	U
75-71-8	Dichlorodifluoromethane	ND	25	5.0	U
67-64-1	Acetone	880	25	7.3	
75-15-0	Carbon disulfide	ND	25	5.0	U
78-93-3	2-Butanone	150	25	9.7	
108-05-4	Vinyl acetate	ND	25	5.0	U
108-10-1	4-Methyl-2-pentanone	ND	25	5.0	U
591-78-6	2-Hexanone	ND	25	5.0	U
74-97-5	Bromochloromethane	ND	12	3.5	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-02D	Date Collected	: 11/25/25 10:35
Client ID	: MW-2M	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/05/25 14:09
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V22251205B06	Instrument ID	: VOA122
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	12	3.5	U
106-93-4	1,2-Dibromoethane	ND	10	3.2	U
142-28-9	1,3-Dichloropropane	ND	12	3.5	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	12	3.5	U
108-86-1	Bromobenzene	ND	12	3.5	U
104-51-8	n-Butylbenzene	ND	12	3.5	U
135-98-8	sec-Butylbenzene	ND	12	3.5	U
98-06-6	tert-Butylbenzene	ND	12	3.5	U
95-49-8	o-Chlorotoluene	ND	12	3.5	U
106-43-4	p-Chlorotoluene	ND	12	3.5	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	3.5	U
87-68-3	Hexachlorobutadiene	ND	12	3.5	U
98-82-8	Isopropylbenzene	ND	12	3.5	U
99-87-6	p-Isopropyltoluene	ND	12	3.5	U
91-20-3	Naphthalene	ND	12	3.5	U
103-65-1	n-Propylbenzene	ND	12	3.5	U
87-61-6	1,2,3-Trichlorobenzene	ND	12	3.5	U
120-82-1	1,2,4-Trichlorobenzene	ND	12	3.5	U
108-67-8	1,3,5-Trimethylbenzene	ND	12	3.5	U
95-63-6	1,2,4-Trimethylbenzene	ND	12	3.5	U
123-91-1	1,4-Dioxane	ND	1200	300	U
105-05-5	p-Diethylbenzene	ND	10	3.5	U
622-96-8	p-Ethyltoluene	ND	10	3.5	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	10	2.7	U
60-29-7	Ethyl ether	ND	12	3.5	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-02D	Date Collected	: 11/25/25 10:35
Client ID	: MW-2M	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/05/25 14:09
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V22251205B06	Instrument ID	: VOA122
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	12	3.5	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575576-02D	**Date Collected**	: 11/25/25 10:35
Client ID	: MW-2M	**Date Received**	: 11/25/25
Sample Location	: FAIRPORT, NY	**Date Analyzed**	: 12/05/25 14:09
Sample Matrix	: WATER	**Dilution Factor**	: 5
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V22251205B06	**Instrument ID**	: VOA122
Sample Amount	: 2 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 2 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	2.10	6.15	J
	Total TIC Compounds		6.15J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-03	Date Collected	: 11/25/25 13:45
Client ID	: MW-16S	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/03/25 13:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: BAD
Lab File ID	: V05251203A11	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-03	Date Collected	: 11/25/25 13:45
Client ID	: MW-16S	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/03/25 13:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: BAD
Lab File ID	: V05251203A11	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	0.19	0.50	0.17	J
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	6.8	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	71	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	71	2.5	0.70	
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	11	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	3.0	5.0	1.9	J
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-03	Date Collected	: 11/25/25 13:45
Client ID	: MW-16S	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/03/25 13:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: BAD
Lab File ID	: V05251203A11	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575576-03	**Date Collected**	: 11/25/25 13:45
Client ID	: MW-16S	**Date Received**	: 11/25/25
Sample Location	: FAIRPORT, NY	**Date Analyzed**	: 12/03/25 13:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: BAD
Lab File ID	: V05251203A11	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575576-03	**Date Collected**	: 11/25/25 13:45
Client ID	: MW-16S	**Date Received**	: 11/25/25
Sample Location	: FAIRPORT, NY	**Date Analyzed**	: 12/03/25 13:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: BAD
Lab File ID	: V05251203A11	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-04	Date Collected	: 11/25/25 12:15
Client ID	: RXMW-9S	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/03/25 13:39
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: BAD
Lab File ID	: V05251203A12	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	0.83	2.5	0.70	J
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	36	1.0	0.07	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-04	Date Collected	: 11/25/25 12:15
Client ID	: RXMW-9S	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/03/25 13:39
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: BAD
Lab File ID	: V05251203A12	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	1.6	2.5	0.70	J
79-01-6	Trichloroethene	9.6	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	5.7	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	7.3	2.5	0.70	J
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	5.8	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-04	Date Collected	: 11/25/25 12:15
Client ID	: RXMW-9S	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/03/25 13:39
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: BAD
Lab File ID	: V05251203A12	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575576-04	**Date Collected**	: 11/25/25 12:15
Client ID	: RXMW-9S	**Date Received**	: 11/25/25
Sample Location	: FAIRPORT, NY	**Date Analyzed**	: 12/03/25 13:39
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: BAD
Lab File ID	: V05251203A12	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575576-04	**Date Collected**	: 11/25/25 12:15
Client ID	: RXMW-9S	**Date Received**	: 11/25/25
Sample Location	: FAIRPORT, NY	**Date Analyzed**	: 12/03/25 13:39
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: BAD
Lab File ID	: V05251203A12	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-05	Date Collected	: 11/25/25 09:45
Client ID	: MW-35M	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/03/25 14:05
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: BAD
Lab File ID	: V05251203A13	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-05	Date Collected	: 11/25/25 09:45
Client ID	: MW-35M	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/03/25 14:05
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: BAD
Lab File ID	: V05251203A13	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	0.91	2.5	0.70	J
1330-20-7	Xylenes, Total	0.91	2.5	0.70	J
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	8.2	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	16	5.0	1.9	
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-05	Date Collected	: 11/25/25 09:45
Client ID	: MW-35M	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/03/25 14:05
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: BAD
Lab File ID	: V05251203A13	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	1.4	2.5	0.70	J
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575576-05	**Date Collected**	: 11/25/25 09:45
Client ID	: MW-35M	**Date Received**	: 11/25/25
Sample Location	: FAIRPORT, NY	**Date Analyzed**	: 12/03/25 14:05
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: BAD
Lab File ID	: V05251203A13	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575576-05	**Date Collected**	: 11/25/25 09:45
Client ID	: MW-35M	**Date Received**	: 11/25/25
Sample Location	: FAIRPORT, NY	**Date Analyzed**	: 12/03/25 14:05
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: BAD
Lab File ID	: V05251203A13	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-06	Date Collected	: 11/25/25 09:00
Client ID	: DUP-112525	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/03/25 14:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: BAD
Lab File ID	: V05251203A14	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-06	Date Collected	: 11/25/25 09:00
Client ID	: DUP-112525	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/03/25 14:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: BAD
Lab File ID	: V05251203A14	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	1.2	2.5	0.70	J
1330-20-7	Xylenes, Total	1.2	2.5	0.70	J
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	7.8	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	15	5.0	1.9	
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-06	Date Collected	: 11/25/25 09:00
Client ID	: DUP-112525	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/03/25 14:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: BAD
Lab File ID	: V05251203A14	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	1.6	2.5	0.70	J
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575576-06	**Date Collected**	: 11/25/25 09:00
Client ID	: DUP-112525	**Date Received**	: 11/25/25
Sample Location	: FAIRPORT, NY	**Date Analyzed**	: 12/03/25 14:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: BAD
Lab File ID	: V05251203A14	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575576-06	**Date Collected**	: 11/25/25 09:00
Client ID	: DUP-112525	**Date Received**	: 11/25/25
Sample Location	: FAIRPORT, NY	**Date Analyzed**	: 12/03/25 14:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: BAD
Lab File ID	: V05251203A14	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-07	Date Collected	: 11/25/25 12:00
Client ID	: TRIP-BLANK-2	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/03/25 14:56
Sample Matrix	: Trip Blank (aqueous)	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: BAD
Lab File ID	: V05251203A15	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-07	Date Collected	: 11/25/25 12:00
Client ID	: TRIP-BLANK-2	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/03/25 14:56
Sample Matrix	: Trip Blank (aqueous)	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: BAD
Lab File ID	: V05251203A15	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-07	Date Collected	: 11/25/25 12:00
Client ID	: TRIP-BLANK-2	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/03/25 14:56
Sample Matrix	: Trip Blank (aqueous)	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: BAD
Lab File ID	: V05251203A15	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575576-07	**Date Collected**	: 11/25/25 12:00
Client ID	: TRIP-BLANK-2	**Date Received**	: 11/25/25
Sample Location	: FAIRPORT, NY	**Date Analyzed**	: 12/03/25 14:56
Sample Matrix	: Trip Blank (aqueous)	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: BAD
Lab File ID	: V05251203A15	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575576-07	**Date Collected**	: 11/25/25 12:00
Client ID	: TRIP-BLANK-2	**Date Received**	: 11/25/25
Sample Location	: FAIRPORT, NY	**Date Analyzed**	: 12/03/25 14:56
Sample Matrix	: Trip Blank (aqueous)	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: BAD
Lab File ID	: V05251203A15	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-08	Date Collected	: 11/25/25 12:00
Client ID	: WC-112525	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/03/25 15:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: BAD
Lab File ID	: V05251203A16	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	0.47	1.0	0.07	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-08	Date Collected	: 11/25/25 12:00
Client ID	: WC-112525	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/03/25 15:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: BAD
Lab File ID	: V05251203A16	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.34	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	1.6	2.5	0.70	J
540-59-0	1,2-Dichloroethene, Total	1.6	2.5	0.70	J
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	18	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	11	5.0	1.9	
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-08	Date Collected	: 11/25/25 12:00
Client ID	: WC-112525	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/03/25 15:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: BAD
Lab File ID	: V05251203A16	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575576-08	**Date Collected**	: 11/25/25 12:00
Client ID	: WC-112525	**Date Received**	: 11/25/25
Sample Location	: FAIRPORT, NY	**Date Analyzed**	: 12/03/25 15:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: BAD
Lab File ID	: V05251203A16	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575576-08	**Date Collected**	: 11/25/25 12:00
Client ID	: WC-112525	**Date Received**	: 11/25/25
Sample Location	: FAIRPORT, NY	**Date Analyzed**	: 12/03/25 15:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: BAD
Lab File ID	: V05251203A16	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: WG2149674-5	Date Collected	: NA
Client ID	: WG2149674-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/03/25 10:32
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V05251203A05	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: WG2149674-5	Date Collected	: NA
Client ID	: WG2149674-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/03/25 10:32
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V05251203A05	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: WG2149674-5	Date Collected	: NA
Client ID	: WG2149674-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/03/25 10:32
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V05251203A05	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2149674-5	**Date Collected**	: NA
Client ID	: WG2149674-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/03/25 10:32
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05251203A05	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2149674-5	**Date Collected**	: NA
Client ID	: WG2149674-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/03/25 10:32
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05251203A05	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: WG2150855-5	Date Collected	: NA
Client ID	: WG2150855-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/05/25 13:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V22251205B05	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: WG2150855-5	Date Collected	: NA
Client ID	: WG2150855-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/05/25 13:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V22251205B05	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: WG2150855-5	Date Collected	: NA
Client ID	: WG2150855-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/05/25 13:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V22251205B05	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2150855-5	**Date Collected**	: NA
Client ID	: WG2150855-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/05/25 13:44
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V22251205B05	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2150855-5	**Date Collected**	: NA
Client ID	: WG2150855-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/05/25 13:44
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V22251205B05	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	:
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 2 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	2.10	1.19	J
	Total TIC Compounds		1.19J	J

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A09.D
Acq On : 3 Dec 2025 12:23 pm
Operator : VOA105:BAD
Sample : L2575576-01,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 04 12:22:13 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.506	96	299330	10.000	ug/L	0.00
Standard Area 1 = 383158			Recovery = 78.12%			
59) Chlorobenzene-d5	8.985	117	239763	10.000	ug/L	0.00
Standard Area 1 = 313563			Recovery = 76.46%			
79) 1,4-Dichlorobenzene-d4	11.790	152	147997	10.000	ug/L	0.00
Standard Area 1 = 191277			Recovery = 77.37%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.739	113	86497	10.477	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.77%			
43) 1,2-Dichloroethane-d4	5.238	65	96796	9.359	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.59%			
60) Toluene-d8	7.165	98	272974	9.003	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.03%			
83) 4-Bromofluorobenzene	10.531	95	114201	8.995	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.95%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	d	
3) Chloromethane	1.589	50	445	N.D.		
4) Vinyl chloride	1.657	62	13941	1.359	ug/L	77
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.	d	
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.618	76	4282	0.203	ug/L #	84
15) Methylene chloride	3.112	84	70	N.D.		
17) Acetone	3.174	43	35790	23.438	ug/L	98
18) trans-1,2-Dichloroethene	3.256	96	843	0.116	ug/L #	75
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	3.915	43	341	N.D.		
28) cis-1,2-Dichloroethene	4.307	96	57504	7.091	ug/L	92
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A09.D
Acq On : 3 Dec 2025 12:23 pm
Operator : VOA105:BAD
Sample : L2575576-01,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 04 12:22:13 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	4.849	43	280754	124.644	ug/L #	71
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	5.118	78	1570	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	5.690	95	3107	0.376	ug/L	88
50) Dibromomethane	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.235	92	1144	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
70) 1,3-Dichloropropane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	8.978	91	72	N.D.		
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	10.531	91	226	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88) 4-Ethyltoluene	0.000		0	N.D.		
89) 2-Chlorotoluene	0.000		0	N.D.		
90) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
91) 1,2,3-Trichloropropane	0.000		0	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
93) 4-Chlorotoluene	0.000		0	N.D.		
94) tert-Butylbenzene	0.000		0	N.D.		

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A09.D
Acq On : 3 Dec 2025 12:23 pm
Operator : VOA105:BAD
Sample : L2575576-01,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 04 12:22:13 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	0.000		0		N.D.	
98)	sec-Butylbenzene	0.000		0		N.D.	
99)	p-Isopropyltoluene	0.000		0		N.D.	
100)	1,3-Dichlorobenzene	0.000		0		N.D.	
101)	1,4-Dichlorobenzene	0.000		0		N.D.	
102)	p-Diethylbenzene	0.000		0		N.D.	
103)	n-Butylbenzene	0.000		0		N.D.	
104)	1,2-Dichlorobenzene	0.000		0		N.D.	
105)	1,2,4,5-Tetramethylben...	0.000		0		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108)	Hexachlorobutadiene	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
110)	Naphthalene	13.976	128	237		N.D.	
111)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

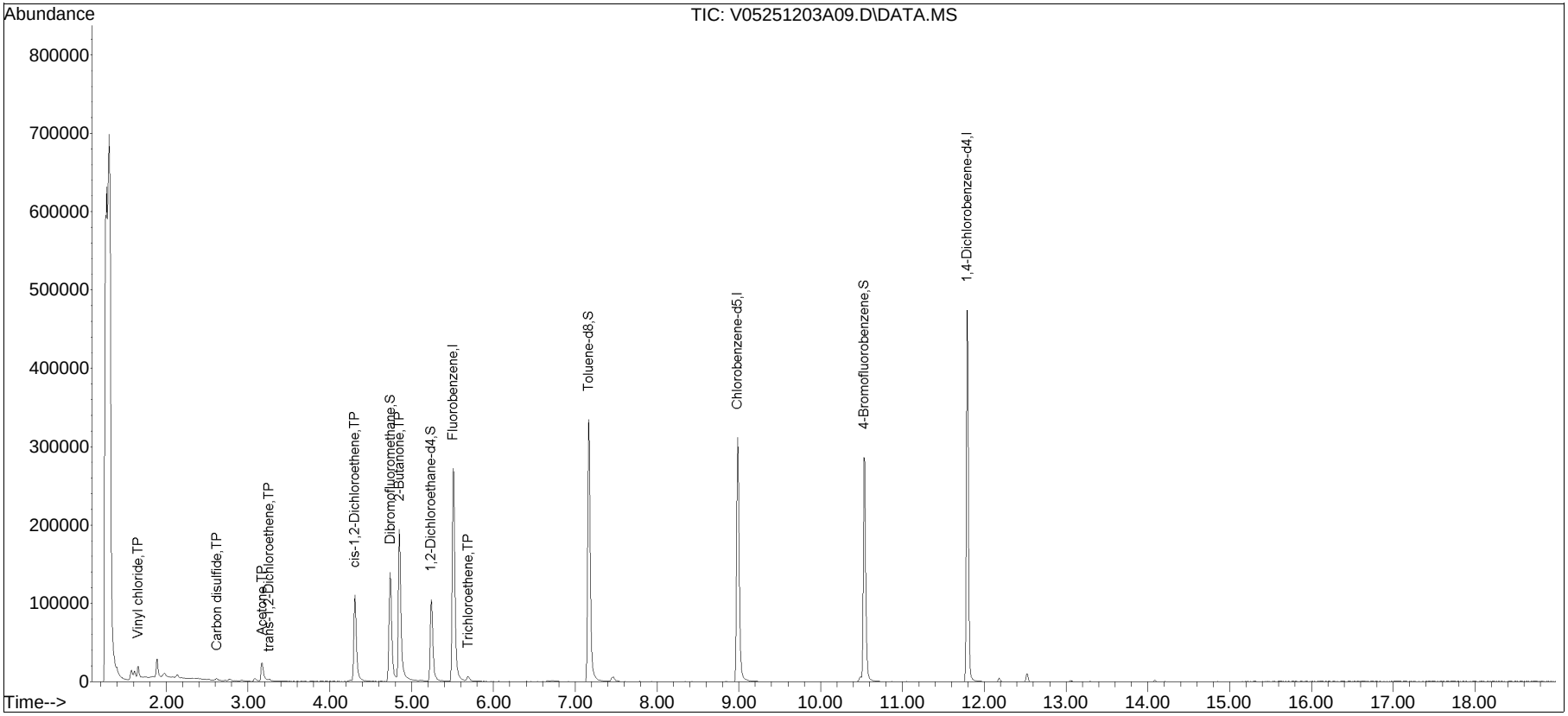
(#) = qualifier out of range (m) = manual integration (+) = signals summed

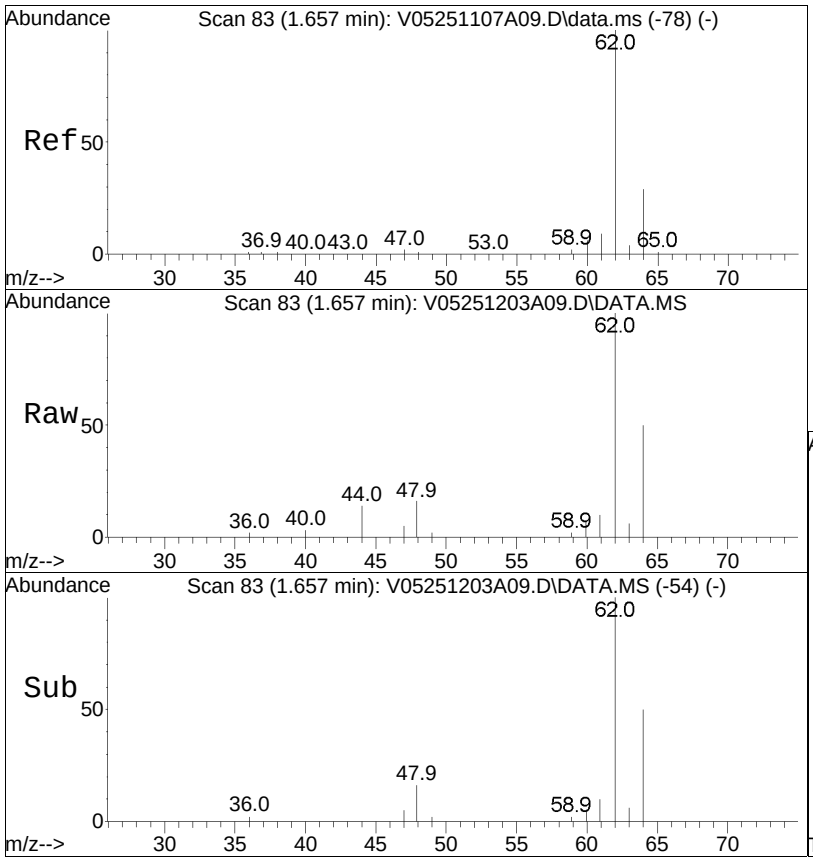
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A09.D
Acq On : 3 Dec 2025 12:23 pm
Operator : VOA105:BAD
Sample : L2575576-01,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 04 12:22:13 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox251203A01.D•

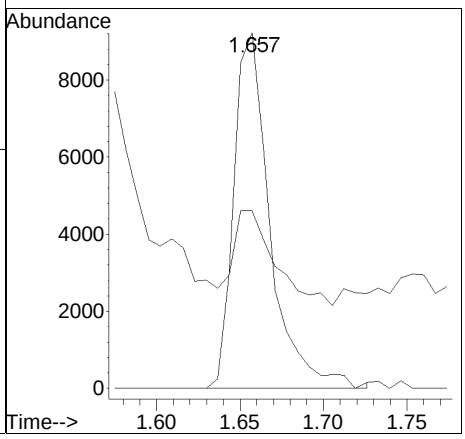


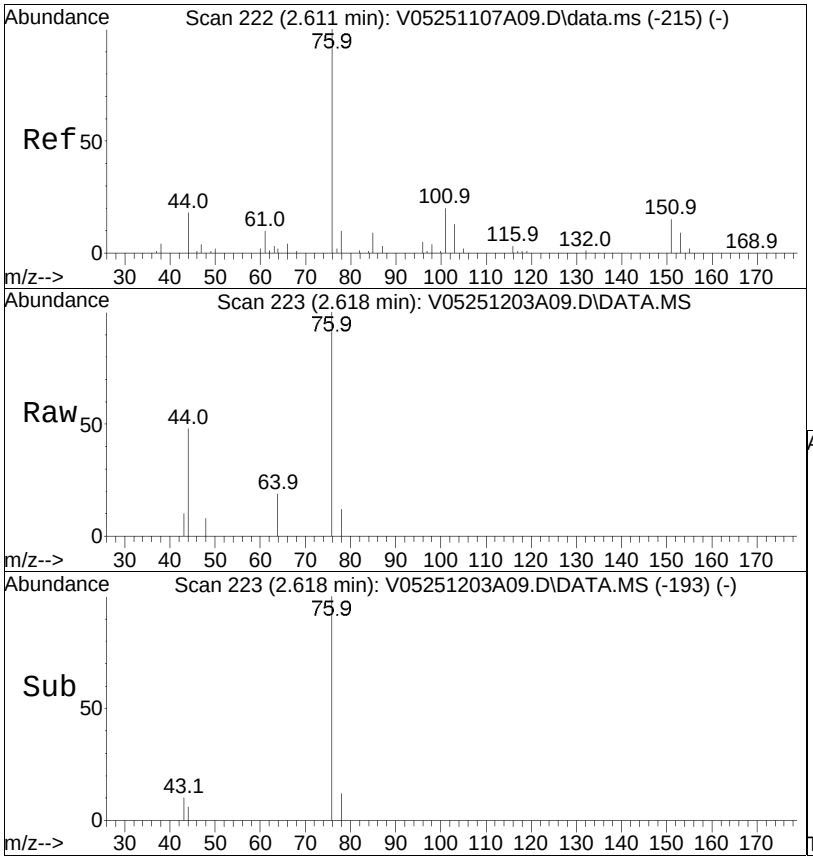


#4
Vinyl chloride
Concen: 1.36 ug/L
RT: 1.657 min Scan# 83
Delta R.T. 0.000 min
Lab File: V05251203A09.D
Acq: 3 Dec 2025 12:23 pm

Tgt Ion: 62 Resp: 13941

Ion	Ratio	Lower	Upper
62	100		
64	42.4	9.9	49.9

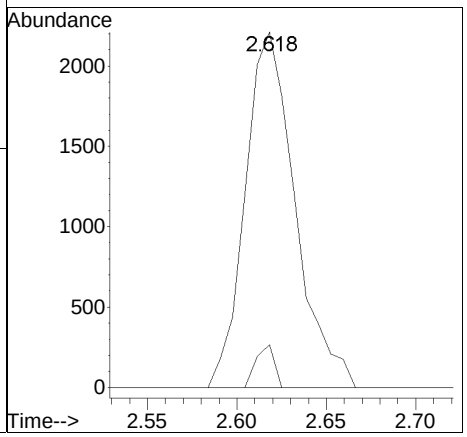


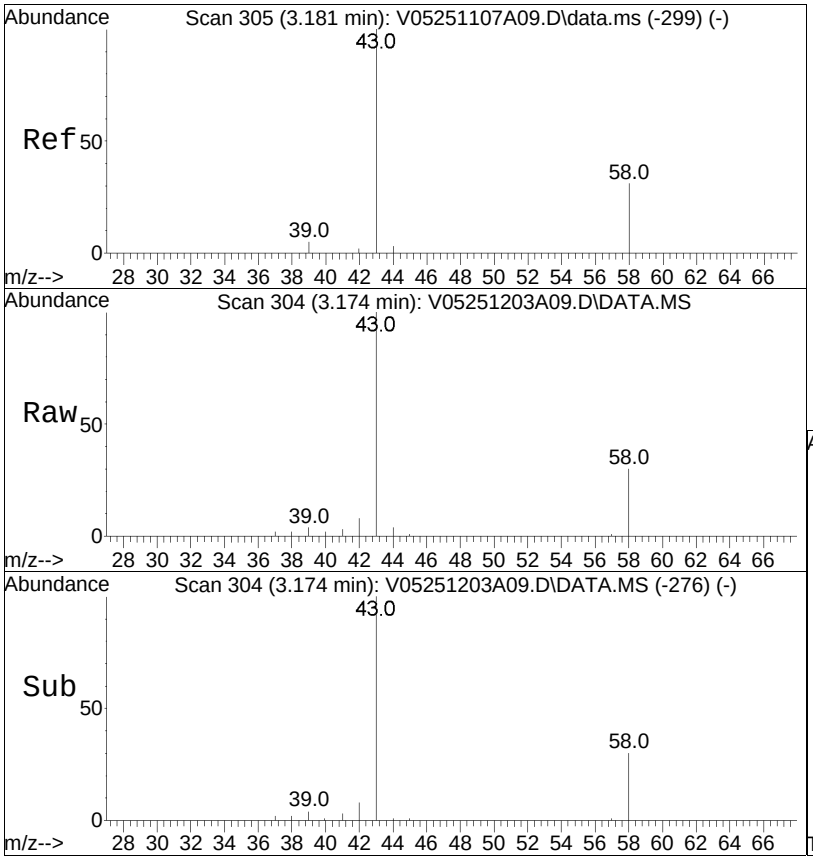


#11
Carbon disulfide
Concen: 0.20 ug/L
RT: 2.618 min Scan# 223
Delta R.T. 0.007 min
Lab File: V05251203A09.D
Acq: 3 Dec 2025 12:23 pm

Tgt Ion: 76 Resp: 4282

Ion	Ratio	Lower	Upper
76	100		
78	4.4	6.8	14.0#

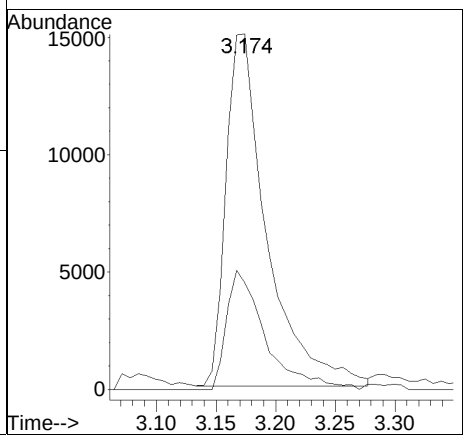


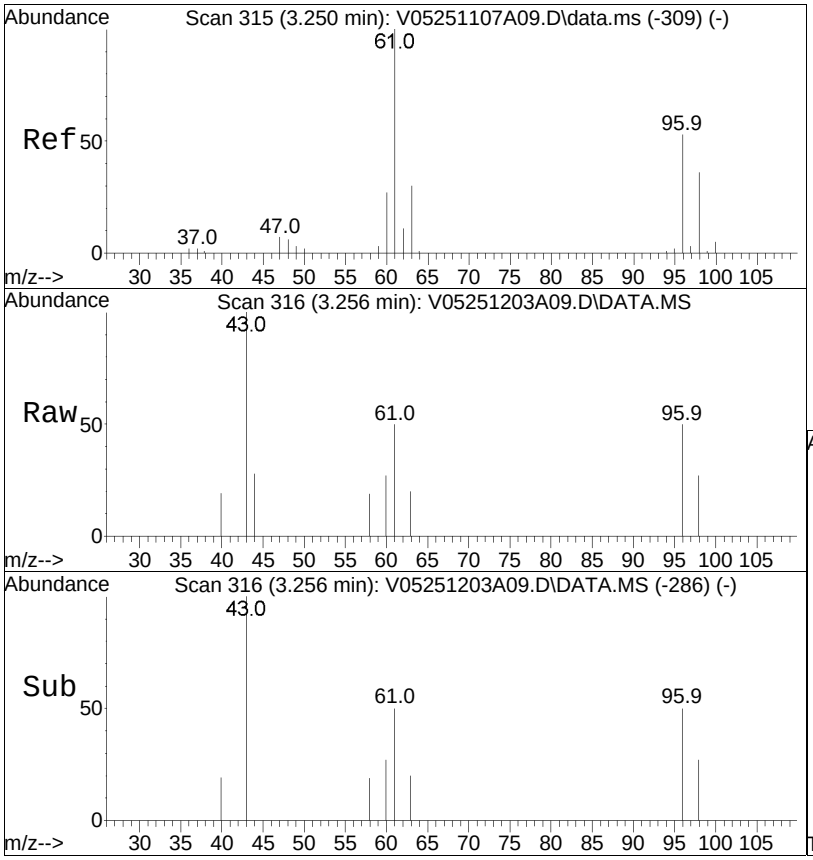


#17
Acetone
Concen: 23.44 ug/L
RT: 3.174 min Scan# 304
Delta R.T. -0.007 min
Lab File: V05251203A09.D
Acq: 3 Dec 2025 12:23 pm

Tgt Ion: 43 Resp: 35790

Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.9	37.3

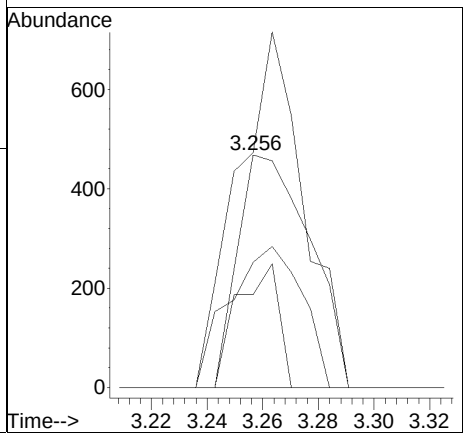


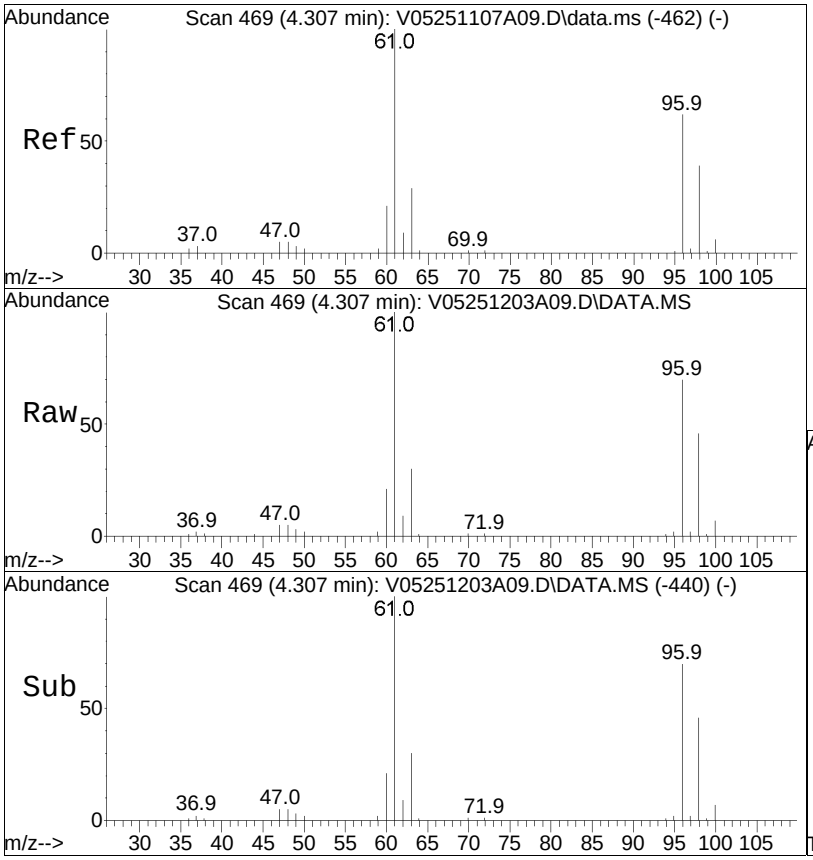


#18
trans-1,2-Dichloroethene
Concen: 0.12 ug/L
RT: 3.256 min Scan# 316
Delta R.T. 0.006 min
Lab File: V05251203A09.D
Acq: 3 Dec 2025 12:23 pm

Tgt Ion: 96 Resp: 843

Ion	Ratio	Lower	Upper
96	100		
61	140.3	118.7	246.5
98	61.3	41.9	87.1
63	30.5	35.9	74.5#

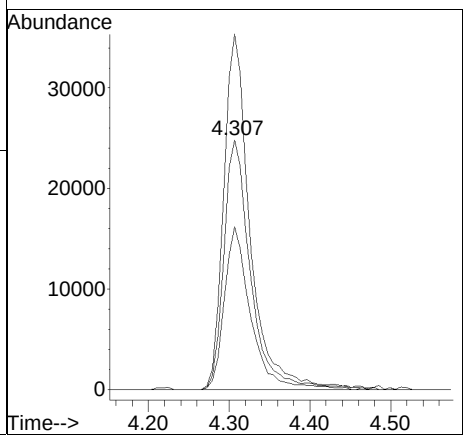


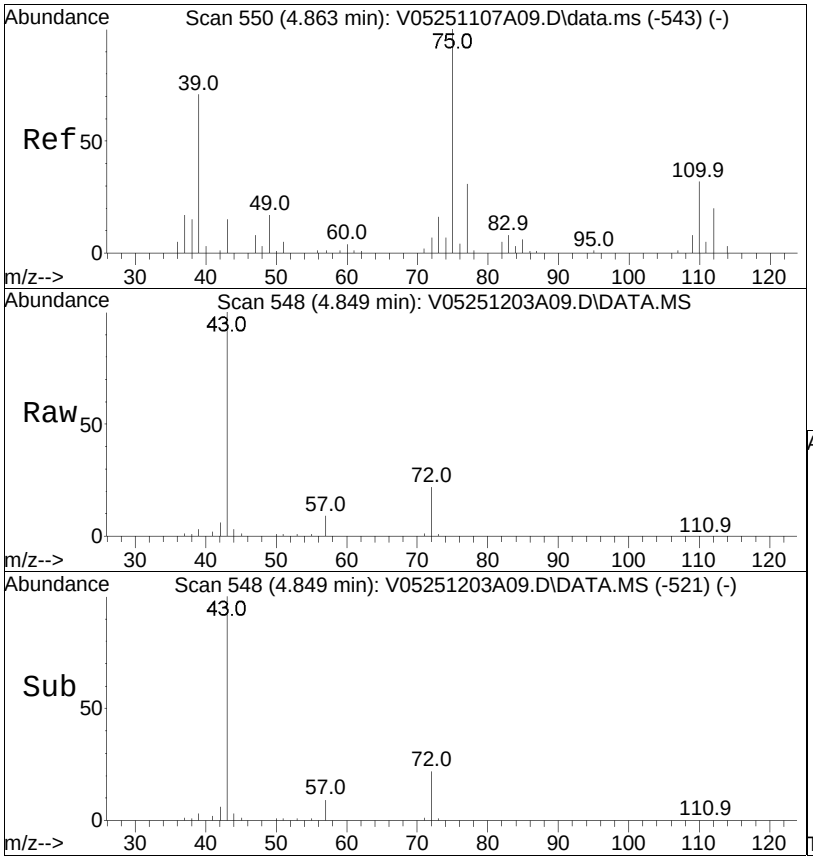


#28
cis-1,2-Dichloroethene
Concen: 7.09 ug/L
RT: 4.307 min Scan# 469
Delta R.T. -0.000 min
Lab File: V05251203A09.D
Acq: 3 Dec 2025 12:23 pm

Tgt Ion: 96 Resp: 57504

Ion	Ratio	Lower	Upper
96	100		
61	139.7	122.5	183.7
98	63.9	50.2	75.4

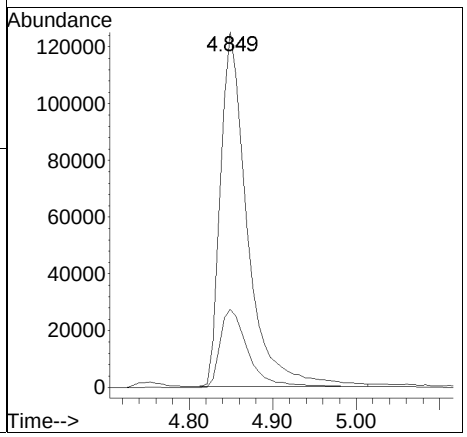


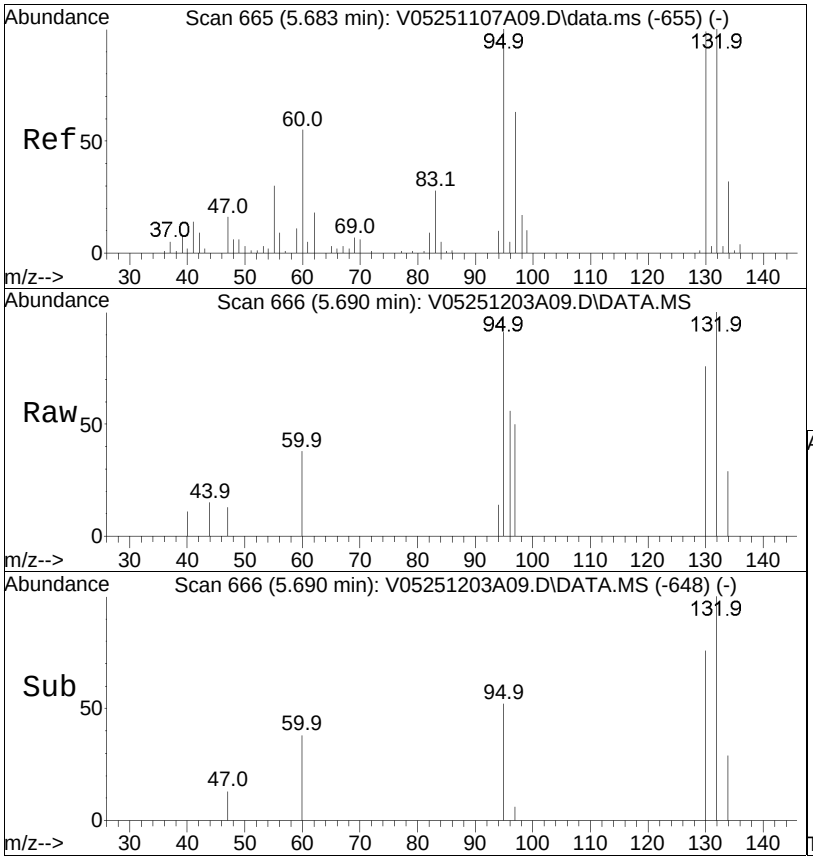


#39
2-Butanone
Concen: 124.64 ug/L
RT: 4.849 min Scan# 548
Delta R.T. -0.014 min
Lab File: V05251203A09.D
Acq: 3 Dec 2025 12:23 pm

Tgt Ion: 43 Resp: 280754

Ion	Ratio	Lower	Upper
43	100		
72	23.3	33.3	49.9#

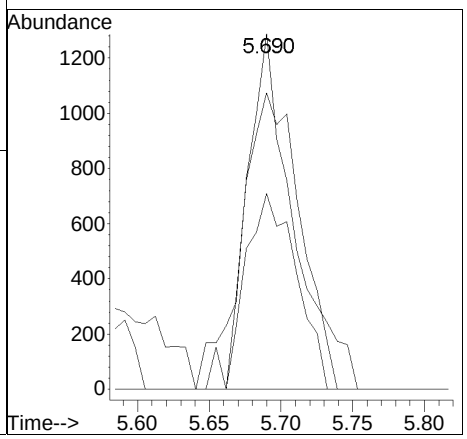




#48
Trichloroethene
Concen: 0.38 ug/L
RT: 5.690 min Scan# 666
Delta R.T. 0.007 min
Lab File: V05251203A09.D
Acq: 3 Dec 2025 12:23 pm

Tgt Ion: 95 Resp: 3107

Ion	Ratio	Lower	Upper
95	100		
97	57.8	54.4	81.6
130	91.8	82.2	123.4



Manual Integration Report

Data Path	: K:\VOA105\2025\251203A\	QMethod	: V105_251107A_8260.m
Data File	: V05251203A09.D	Operator	: VOA105:BAD
Date Inj'd	: 12/3/2025 12:23 pm	Instrument	: VOA105
Sample	: L2575576-01,31,10,10,,A	Quant Date	: 12/4/2025 12:14 pm

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

LSC Area Percent Report

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A09.D
Acq On : 3 Dec 2025 12:23 pm
Operator : VOA105:BAD
Sample : L2575576-01,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V05251203A09.D\DATA.MS

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.884	112	116	124	rBV	22872	37175	4.59%	0.765%
2	3.167	298	303	313	rBV	23187	50875	6.28%	1.047%
3	4.307	463	469	486	rVB	109125	239555	29.58%	4.928%
4	4.739	523	532	543	rBV2	139316	329654	40.70%	6.781%
5	4.849	543	548	581	rVB	193771	473835	58.50%	9.747%
6	5.238	593	602	628	rVB	104460	248010	30.62%	5.102%
7	5.506	631	640	660	rBV	271932	632048	78.03%	13.002%
8	7.165	868	875	910	rBV	334670	743641	91.81%	15.297%
9	8.985	1125	1133	1159	rBV	311800	700295	86.46%	14.405%
10	10.531	1335	1350	1374	rBV	286421	596261	73.61%	12.265%
11	11.790	1522	1528	1556	rBB	474108	809981	100.00%	16.662%

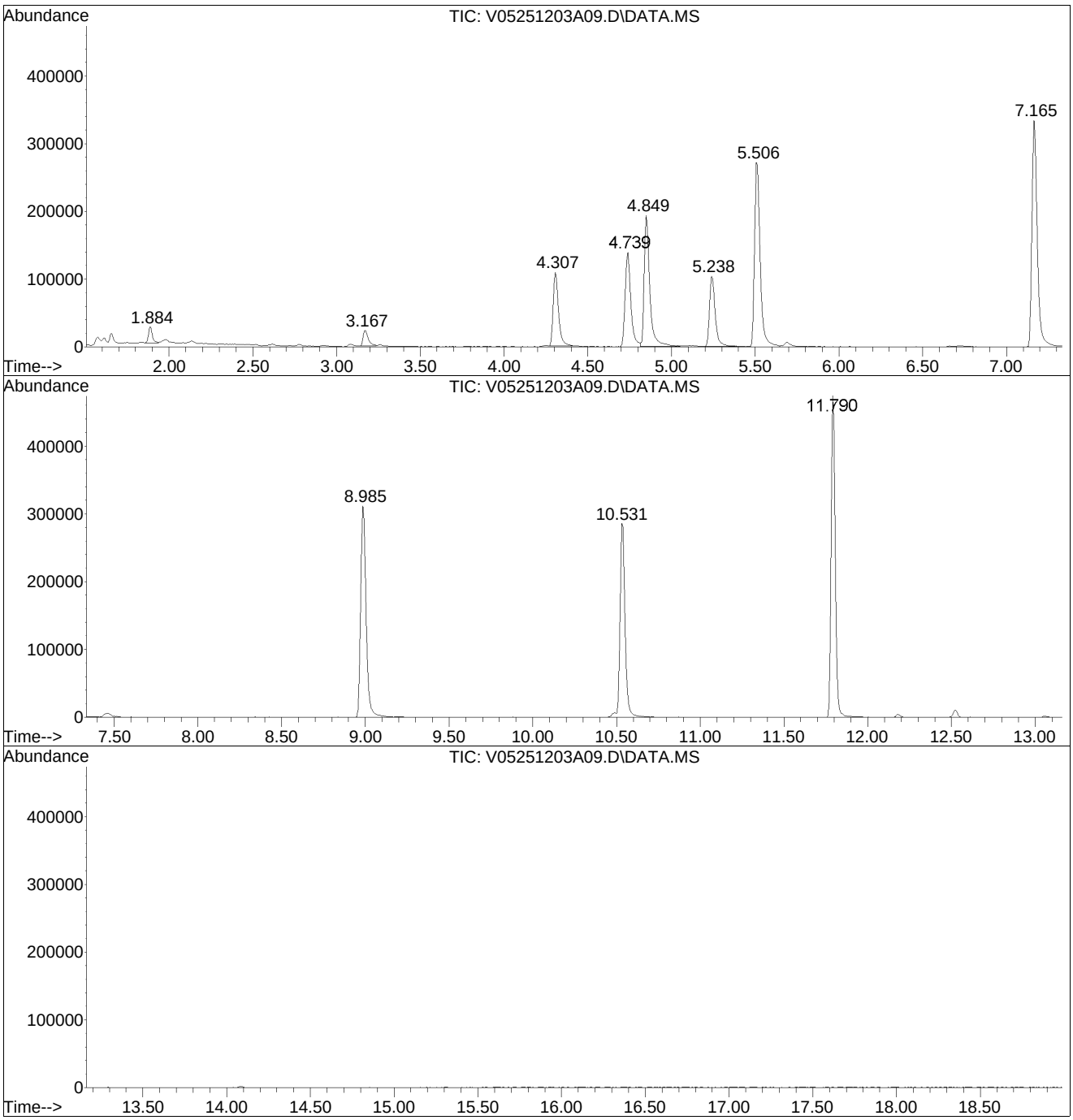
Sum of corrected areas: 4861330

LSC Report - Integrated Chromatogram

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A09.D
Acq On : 3 Dec 2025 12:23 pm
Operator : VOA105:BAD
Sample : L2575576-01,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 9 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A09.D
Acq On : 3 Dec 2025 12:23 pm
Operator : VOA105:BAD
Sample : L2575576-01,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 9 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A09.D
Acq On : 3 Dec 2025 12:23 pm
Operator : VOA105:BAD
Sample : L2575576-01,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 9 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

						Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A11.D
Acq On : 3 Dec 2025 1:14 pm
Operator : VOA105:BAD
Sample : L2575576-03,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 04 12:27:10 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.513	96	276997	10.000	ug/L	0.00
Standard Area 1 = 383158			Recovery = 72.29%			
59) Chlorobenzene-d5	8.985	117	228978	10.000	ug/L	0.00
Standard Area 1 = 313563			Recovery = 73.02%			
79) 1,4-Dichlorobenzene-d4	11.797	152	140376	10.000	ug/L	0.00
Standard Area 1 = 191277			Recovery = 73.39%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.739	113	80801	10.576	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.76%			
43) 1,2-Dichloroethane-d4	5.238	65	91551	9.566	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.66%			
60) Toluene-d8	7.164	98	251027	8.669	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.69%			
83) 4-Bromofluorobenzene	10.531	95	107118	8.895	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.95%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D. d		
3) Chloromethane	1.582	50	468	N.D.		
4) Vinyl chloride	1.657	62	15091	1.590	ug/L	64
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D. d		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	2.591	96	1064	0.191	ug/L	95
11) Carbon disulfide	0.000		0	N.D. d		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.174	43	16070	11.373	ug/L	98
18) trans-1,2-Dichloroethene	3.256	96	3787	0.565	ug/L	87
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	3.812	63	322	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	4.307	96	535283	71.328	ug/L	93
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	4.567	83	157	N.D.		

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A11.D
Acq On : 3 Dec 2025 1:14 pm
Operator : VOA105:BAD
Sample : L2575576-03,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 04 12:27:10 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	4.876	43	6312	3.028	ug/L #	55
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	5.118	78	97	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	5.683	95	51925	6.799	ug/L	93
50) Dibromomethane	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	0.000		0	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
70) 1,3-Dichloropropane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	8.985	91	349	N.D.		
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	10.545	91	147	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88) 4-Ethyltoluene	0.000		0	N.D.		
89) 2-Chlorotoluene	0.000		0	N.D.		
90) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
91) 1,2,3-Trichloropropane	0.000		0	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
93) 4-Chlorotoluene	0.000		0	N.D.		
94) tert-Butylbenzene	0.000		0	N.D.		

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A11.D
Acq On : 3 Dec 2025 1:14 pm
Operator : VOA105:BAD
Sample : L2575576-03,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 04 12:27:10 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
98) sec-Butylbenzene	0.000		0		N.D.	
99) p-Isopropyltoluene	0.000		0		N.D.	
100) 1,3-Dichlorobenzene	11.719	146	689		N.D.	
101) 1,4-Dichlorobenzene	11.719	146	689		N.D.	
102) p-Diethylbenzene	0.000		0		N.D.	
103) n-Butylbenzene	0.000		0		N.D.	
104) 1,2-Dichlorobenzene	0.000		0		N.D.	
105) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108) Hexachlorobutadiene	0.000		0		N.D.	
109) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
110) Naphthalene	0.000		0		N.D.	
111) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

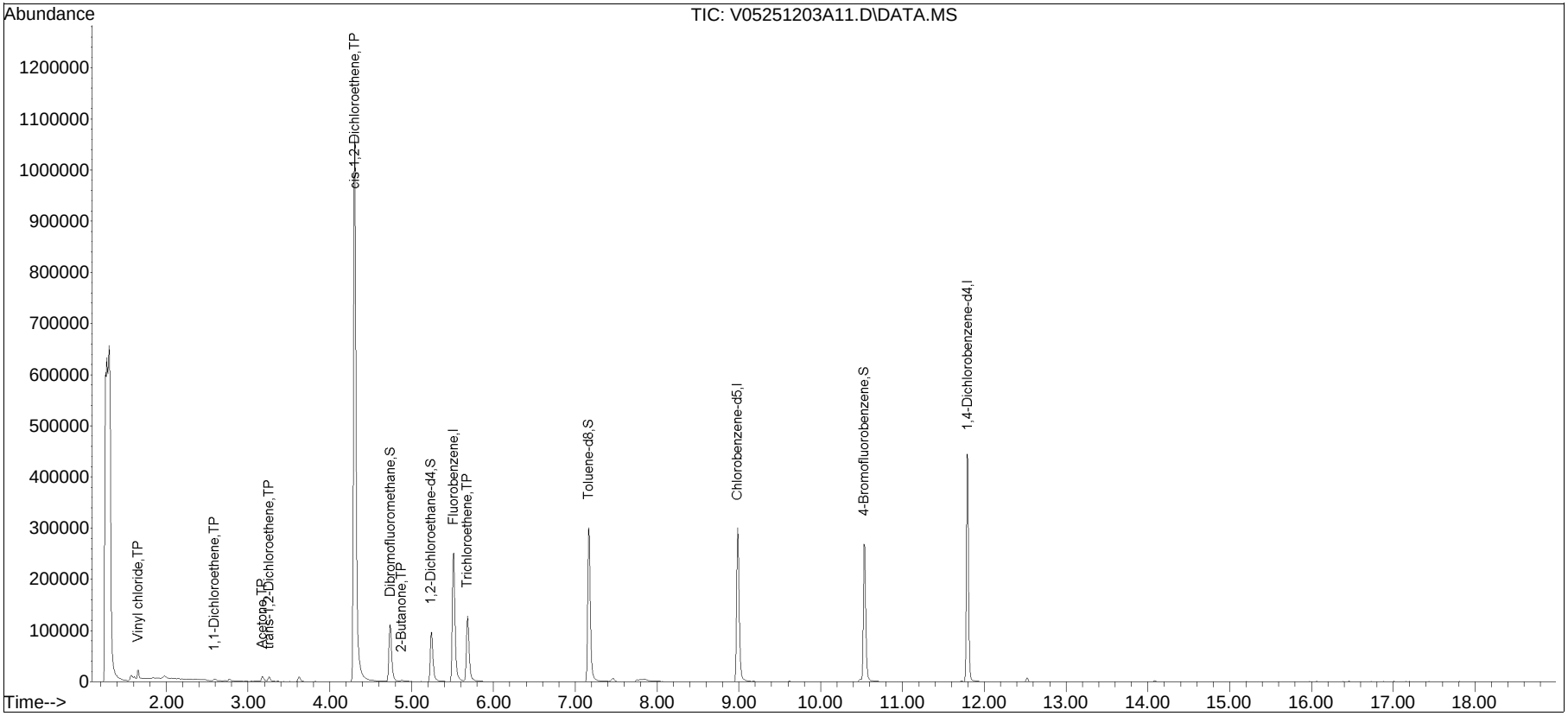
(#) = qualifier out of range (m) = manual integration (+) = signals summed

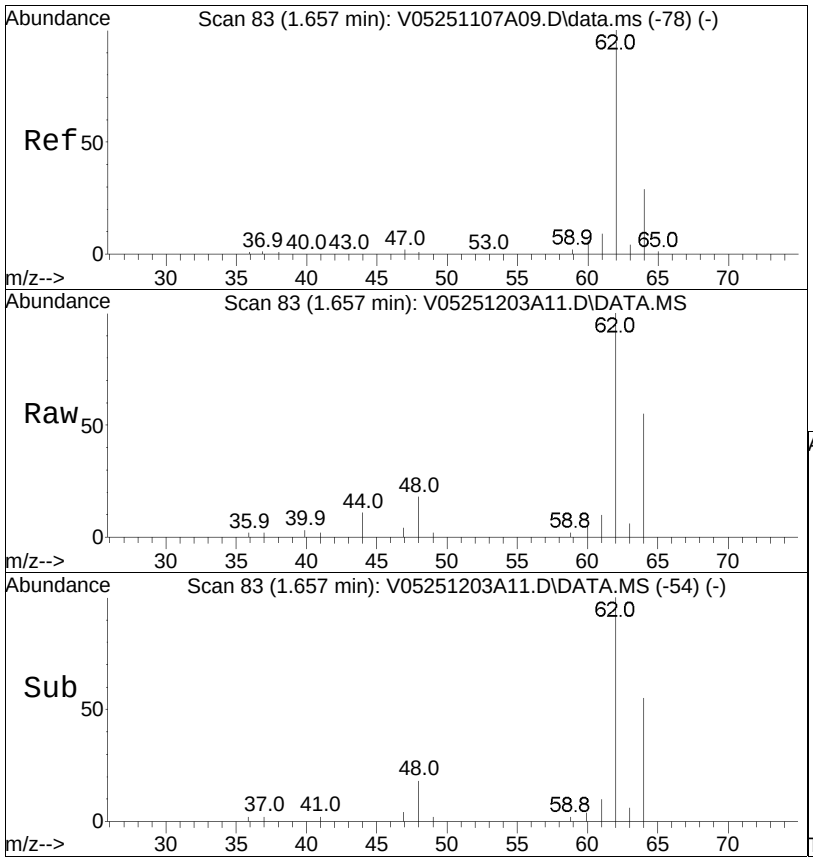
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A11.D
Acq On : 3 Dec 2025 1:14 pm
Operator : VOA105:BAD
Sample : L2575576-03,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 04 12:27:10 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox251203A01.D•

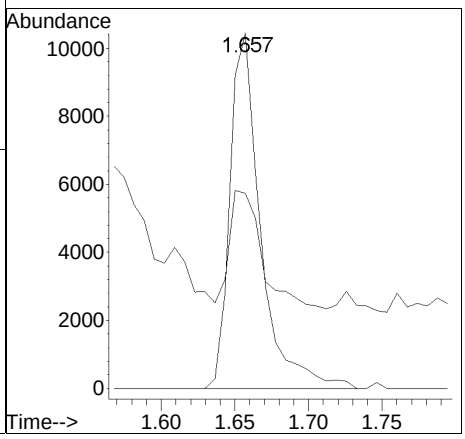


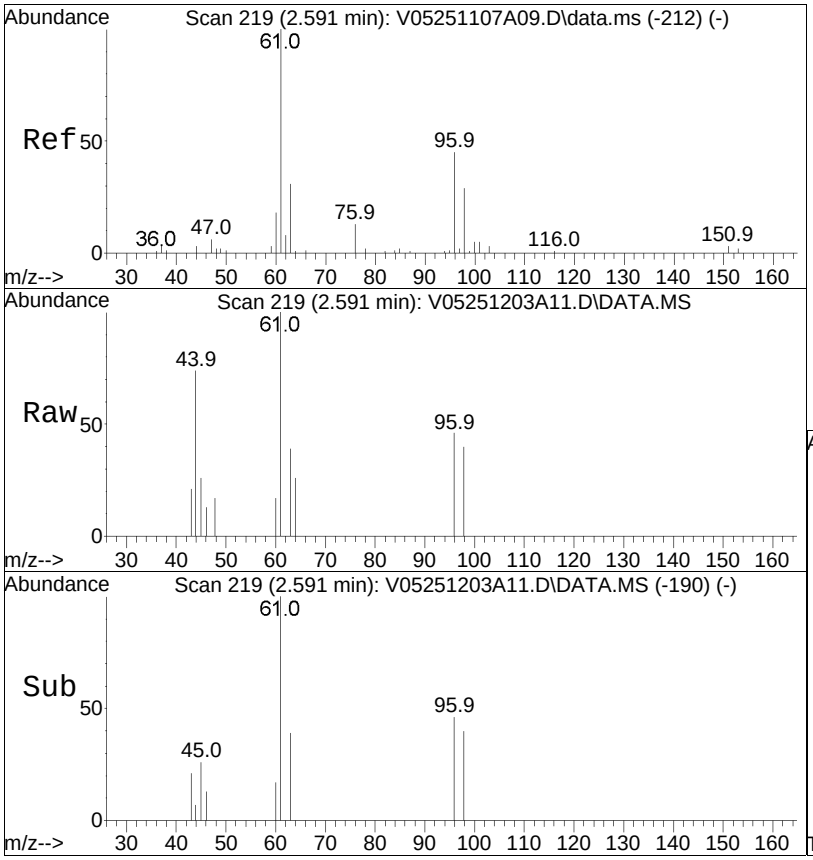


#4
Vinyl chloride
Concen: 1.59 ug/L
RT: 1.657 min Scan# 83
Delta R.T. 0.000 min
Lab File: V05251203A11.D
Acq: 3 Dec 2025 1:14 pm

Tgt Ion: 62 Resp: 15091

Ion	Ratio	Lower	Upper
62	100		
64	49.2	9.9	49.9

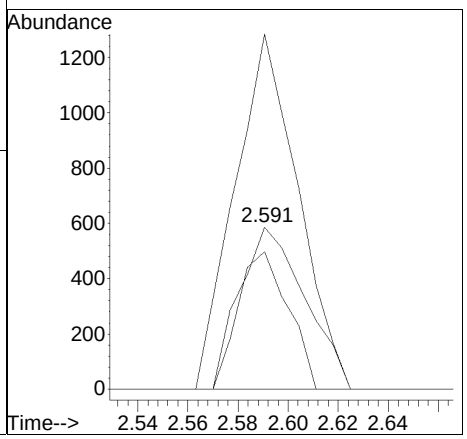


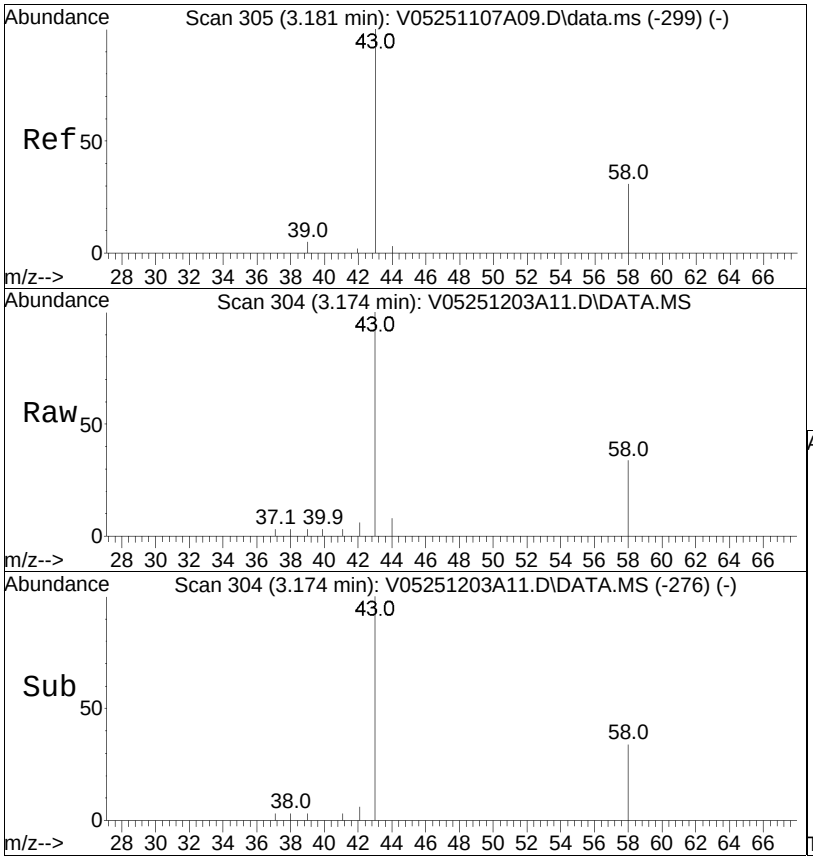


#10
1,1-Dichloroethene
Concen: 0.19 ug/L
RT: 2.591 min Scan# 219
Delta R.T. -0.000 min
Lab File: V05251203A11.D
Acq: 3 Dec 2025 1:14 pm

Tgt Ion: 96 Resp: 1064

Ion	Ratio	Lower	Upper
96	100		
61	212.1	177.5	266.3
63	65.3	53.4	80.2

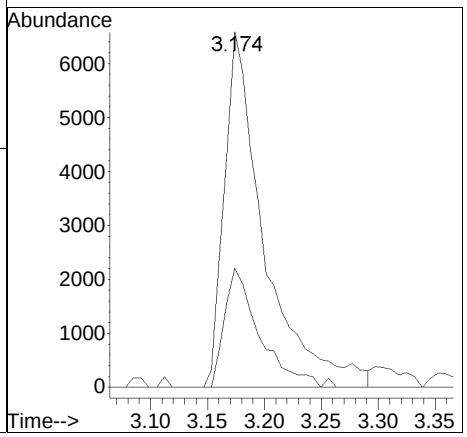


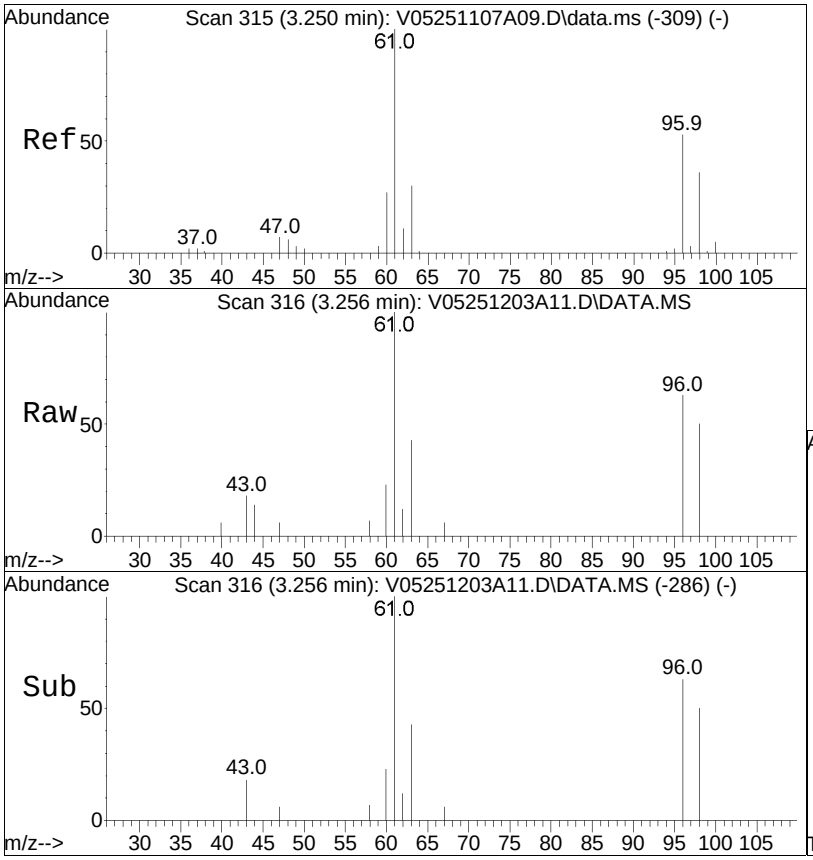


#17
Acetone
Concen: 11.37 ug/L
RT: 3.174 min Scan# 304
Delta R.T. -0.007 min
Lab File: V05251203A11.D
Acq: 3 Dec 2025 1:14 pm

Tgt Ion: 43 Resp: 16070

Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.9	37.3

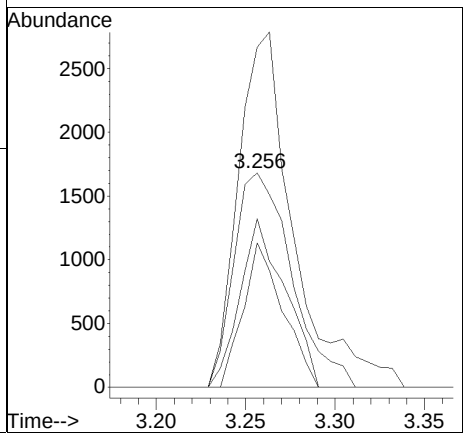


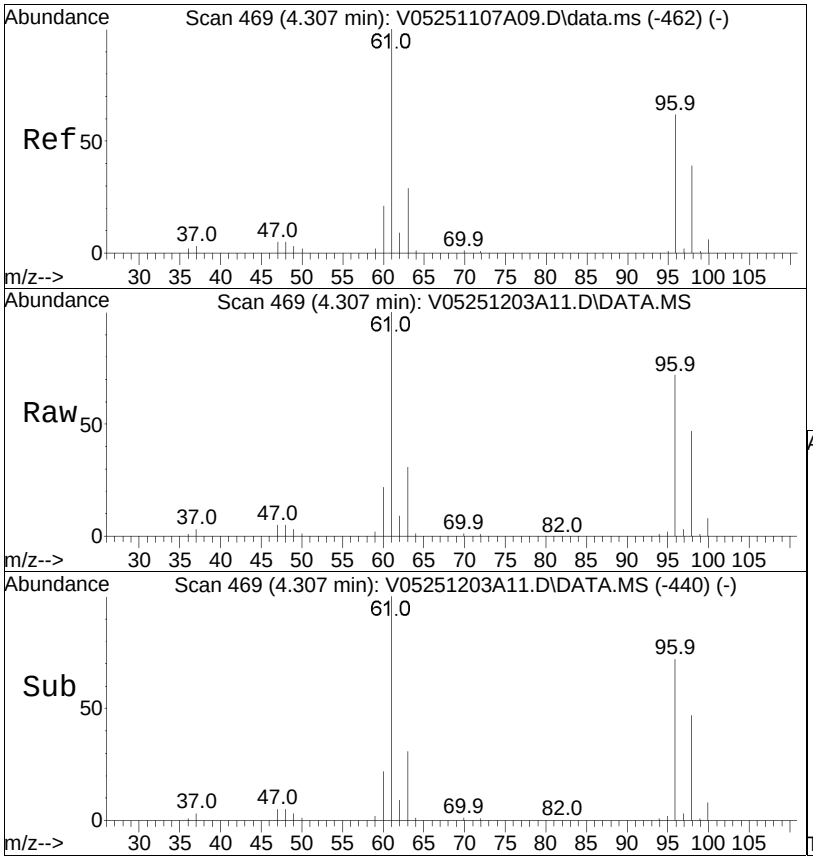


#18
trans-1,2-Dichloroethene
Concen: 0.57 ug/L
RT: 3.256 min Scan# 316
Delta R.T. 0.006 min
Lab File: V05251203A11.D
Acq: 3 Dec 2025 1:14 pm

Tgt Ion: 96 Resp: 3787

Ion	Ratio	Lower	Upper
96	100		
61	158.4	118.7	246.5
98	61.4	41.9	87.1
63	46.4	35.9	74.5

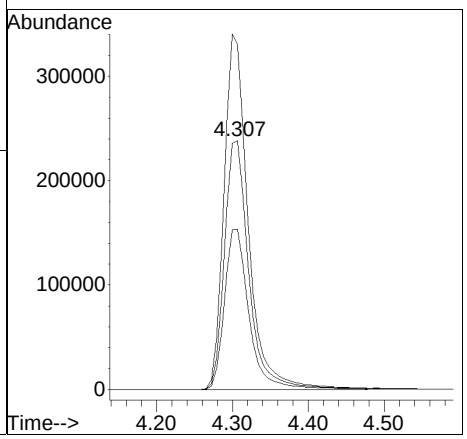


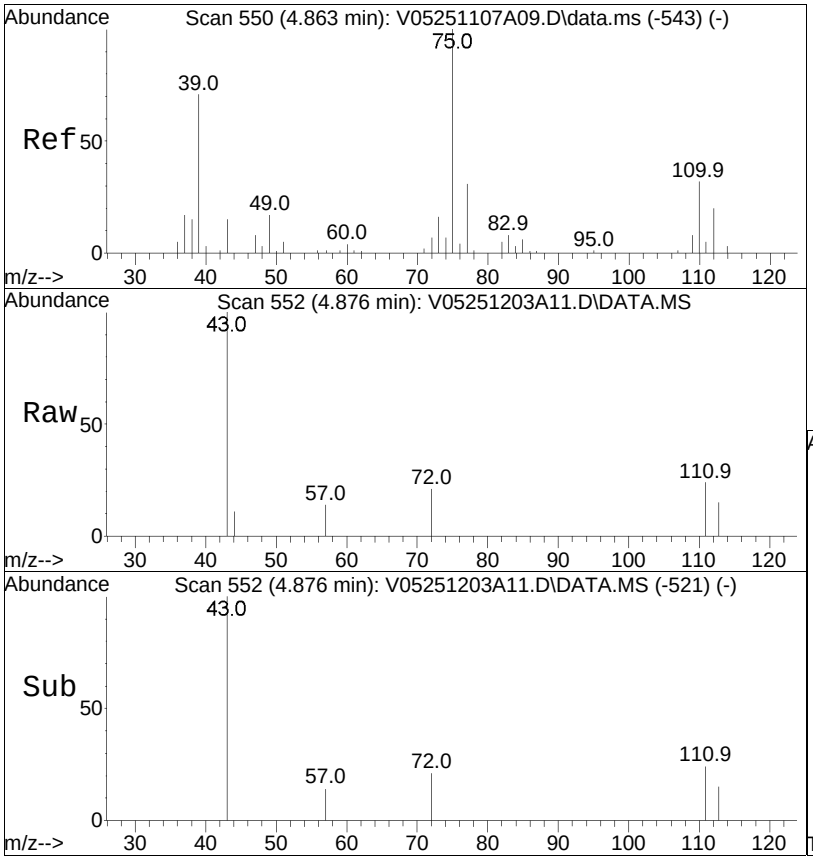


#28
cis-1,2-Dichloroethene
Concen: 71.33 ug/L
RT: 4.307 min Scan# 469
Delta R.T. -0.000 min
Lab File: V05251203A11.D
Acq: 3 Dec 2025 1:14 pm

Tgt Ion: 96 Resp: 535283

Ion	Ratio	Lower	Upper
96	100		
61	141.2	122.5	183.7
98	64.6	50.2	75.4

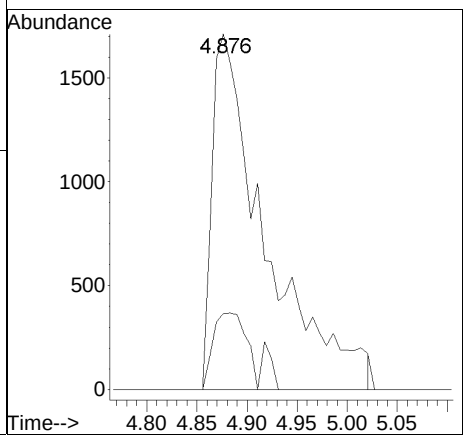


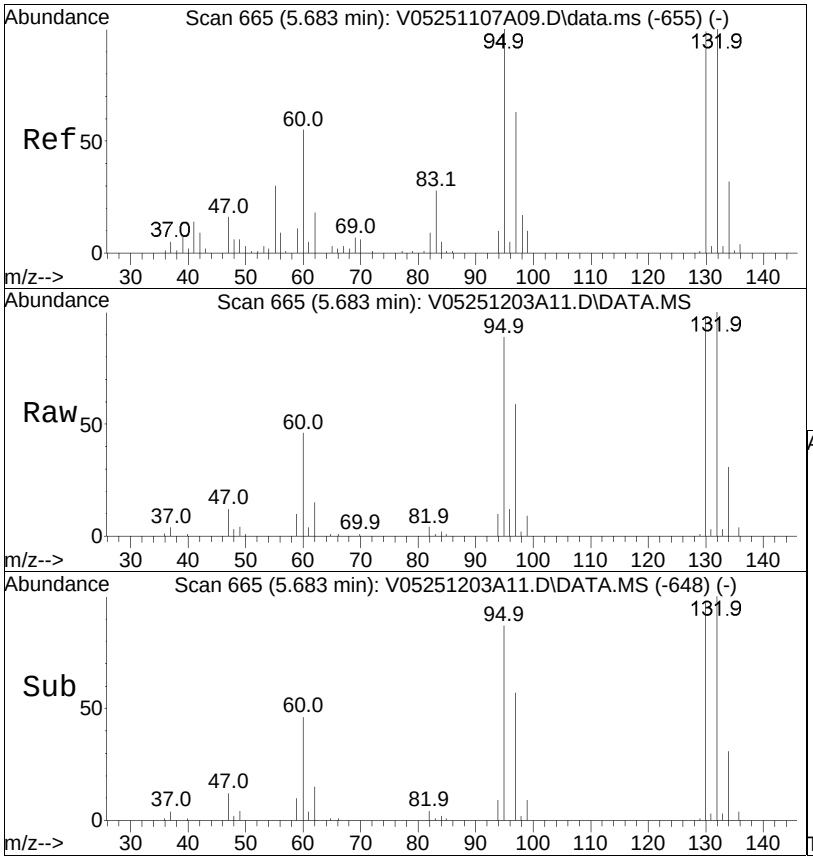


#39
2-Butanone
Concen: 3.03 ug/L
RT: 4.876 min Scan# 552
Delta R.T. 0.013 min
Lab File: V05251203A11.D
Acq: 3 Dec 2025 1:14 pm

Tgt Ion: 43 Resp: 6312

Ion	Ratio	Lower	Upper
43	100		
72	13.4	33.3	49.9#

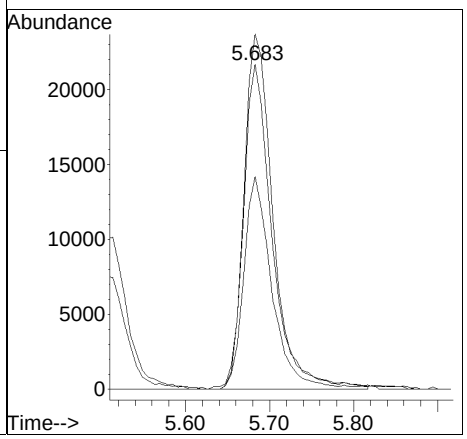




#48
Trichloroethene
Concen: 6.80 ug/L
RT: 5.683 min Scan# 665
Delta R.T. -0.000 min
Lab File: V05251203A11.D
Acq: 3 Dec 2025 1:14 pm

Tgt Ion: 95 Resp: 51925

Ion	Ratio	Lower	Upper
95	100		
97	63.5	54.4	81.6
130	110.7	82.2	123.4



Manual Integration Report

Data Path	: K:\VOA105\2025\251203A\	QMethod	: V105_251107A_8260.m
Data File	: V05251203A11.D	Operator	: VOA105:BAD
Date Inj'd	: 12/3/2025 1:14 pm	Instrument	: VOA105
Sample	: L2575576-03,31,10,10,,A	Quant Date	: 12/4/2025 12:26 pm

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

LSC Area Percent Report

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A11.D
Acq On : 3 Dec 2025 1:14 pm
Operator : VOA105:BAD
Sample : L2575576-03,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V05251203A11.D\DATA.MS

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.300	461	468	498	rBV	1069292	2394787	100.00%	36.969%
2	4.739	523	532	548	rBV	110935	263233	10.99%	4.064%
3	5.238	596	602	627	rVB	96469	230975	9.64%	3.566%
4	5.513	633	641	657	rBV	251668	588871	24.59%	9.091%
5	5.683	659	665	694	rVB	128703	312285	13.04%	4.821%
6	7.164	864	875	900	rBV	301276	679858	28.39%	10.495%
7	8.985	1123	1133	1157	rBV	300510	665447	27.79%	10.273%
8	10.531	1336	1350	1369	rBV	269228	565490	23.61%	8.730%
9	11.790	1523	1528	1554	rBV	445105	776831	32.44%	11.992%

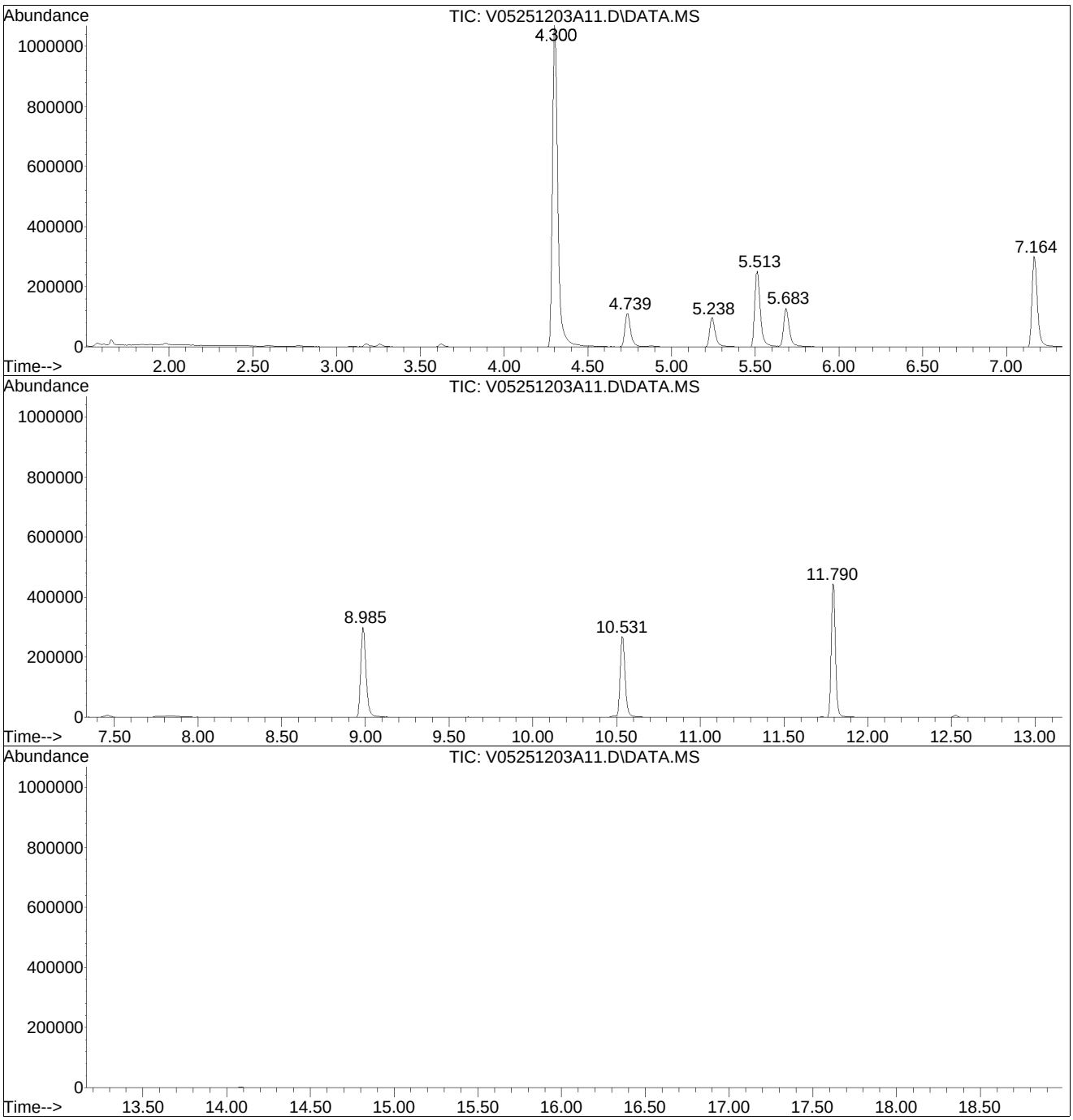
Sum of corrected areas: 6477777

LSC Report - Integrated Chromatogram

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A11.D
Acq On : 3 Dec 2025 1:14 pm
Operator : VOA105:BAD
Sample : L2575576-03,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 11 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A11.D
Acq On : 3 Dec 2025 1:14 pm
Operator : VOA105:BAD
Sample : L2575576-03,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 11 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A11.D
Acq On : 3 Dec 2025 1:14 pm
Operator : VOA105:BAD
Sample : L2575576-03,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 11 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

						Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A12.D
Acq On : 3 Dec 2025 1:39 pm
Operator : VOA105:BAD
Sample : L2575576-04,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 04 12:28:51 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.513	96	256452	10.000	ug/L	0.00
Standard Area 1 = 383158			Recovery = 66.93%			
59) Chlorobenzene-d5	8.984	117	220906	10.000	ug/L	0.00
Standard Area 1 = 313563			Recovery = 70.45%			
79) 1,4-Dichlorobenzene-d4	11.797	152	134976	10.000	ug/L	0.00
Standard Area 1 = 191277			Recovery = 70.57%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.739	113	76892	10.871	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.71%			
43) 1,2-Dichloroethane-d4	5.238	65	87942	9.925	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.25%			
60) Toluene-d8	7.164	98	241232	8.635	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.35%			
83) 4-Bromofluorobenzene	10.538	95	102479	8.850	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	d	
3) Chloromethane	0.000		0	N.D.	d	
4) Vinyl chloride	1.657	62	320368	36.462	ug/L	84
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.	d	
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	2.597	96	203	N.D.		
11) Carbon disulfide	2.618	76	927	N.D.		
15) Methylene chloride	3.126	84	347	N.D.		
17) Acetone	3.181	43	7542	5.765	ug/L #	87
18) trans-1,2-Dichloroethene	3.256	96	10188	1.643	ug/L	89
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	4.306	96	39717	5.716	ug/L	94
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	4.567	83	10011	0.829	ug/L	95

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A12.D
Acq On : 3 Dec 2025 1:39 pm
Operator : VOA105:BAD
Sample : L2575576-04,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 04 12:28:51 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D. d		
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	5.125	78	466	N.D.		
44) 1,2-Dichloroethane	5.322	62	88	N.D.		
48) Trichloroethene	5.682	95	68295	9.659	ug/L	95
50) Dibromomethane	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.234	92	2583	0.148	ug/L	95
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.672	166	378	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
70) 1,3-Dichloropropane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	8.688	43	67	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.062	91	1334	N.D.		
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	9.259	106	856	N.D.		
77) o Xylene	9.789	106	2455	0.201	ug/L	91
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	10.177	105	86	N.D.		
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	10.722	91	1051	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88) 4-Ethyltoluene	10.835	105	2595	0.073	ug/L	92
89) 2-Chlorotoluene	10.891	91	500	N.D.		
90) 1,3,5-Trimethylbenzene	10.948	105	830	N.D.		
91) 1,2,3-Trichloropropane	0.000		0	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
93) 4-Chlorotoluene	11.174	91	464	N.D.		
94) tert-Butylbenzene	11.379	119	1223	N.D.		

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A12.D
Acq On : 3 Dec 2025 1:39 pm
Operator : VOA105:BAD
Sample : L2575576-04,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 04 12:28:51 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	11.372	105	9471	0.323	ug/L	98
98) sec-Butylbenzene	11.485	105	549	N.D.		
99) p-Isopropyltoluene	0.000		0	N.D.	d	
100) 1,3-Dichlorobenzene	0.000		0	N.D.		
101) 1,4-Dichlorobenzene	0.000		0	N.D.		
102) p-Diethylbenzene	12.073	119	324	N.D.		
103) n-Butylbenzene	12.094	91	454	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
105) 1,2,4,5-Tetramethylben...	12.851	119	342	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
108) Hexachlorobutadiene	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
110) Naphthalene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

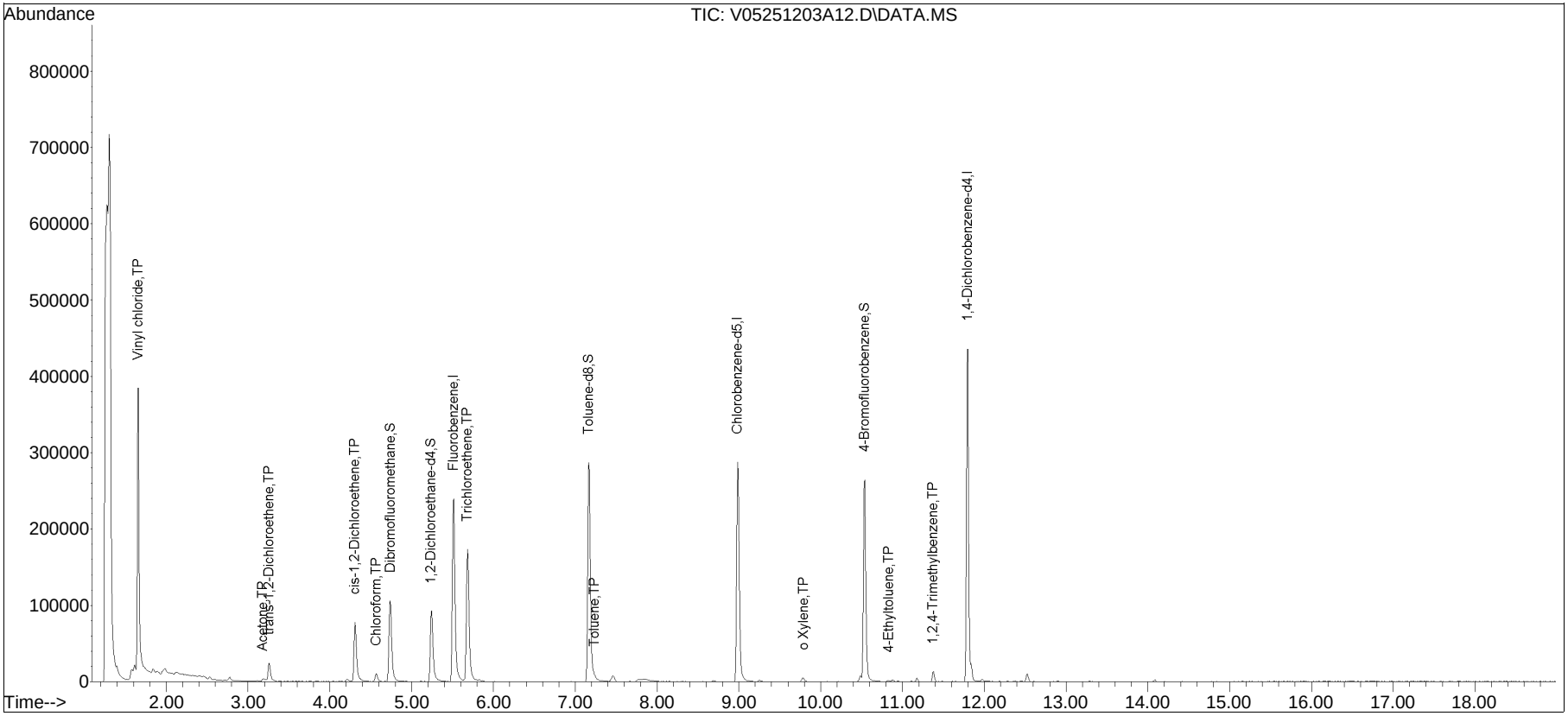
(#) = qualifier out of range (m) = manual integration (+) = signals summed

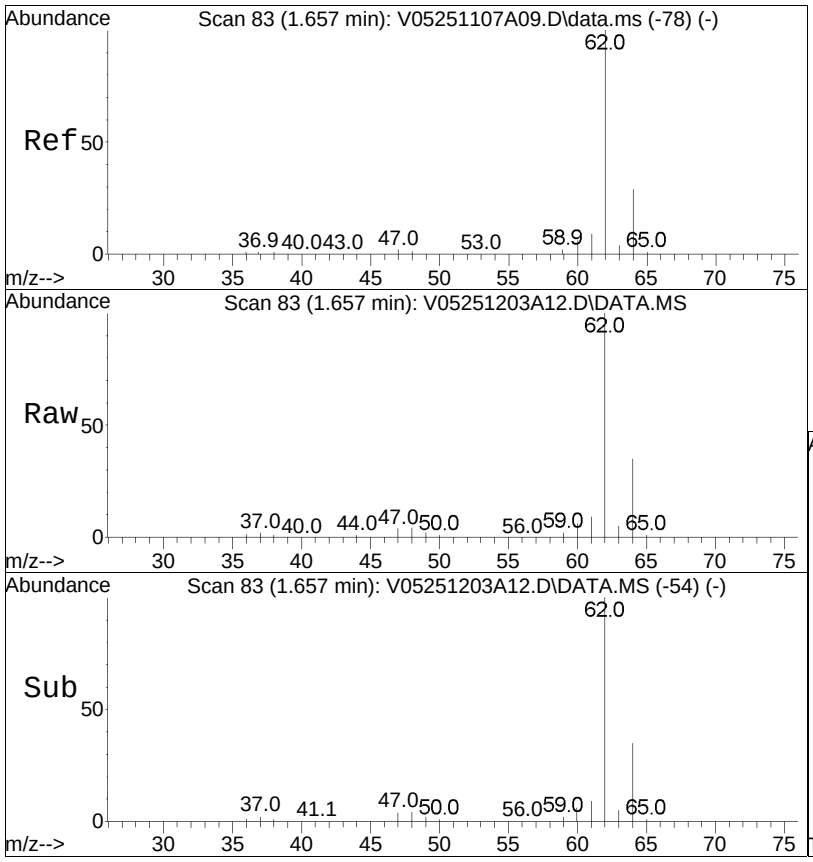
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A12.D
Acq On : 3 Dec 2025 1:39 pm
Operator : VOA105:BAD
Sample : L2575576-04,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 04 12:28:51 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox251203A01.D•

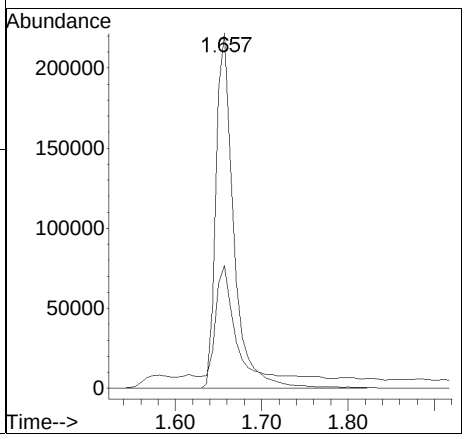


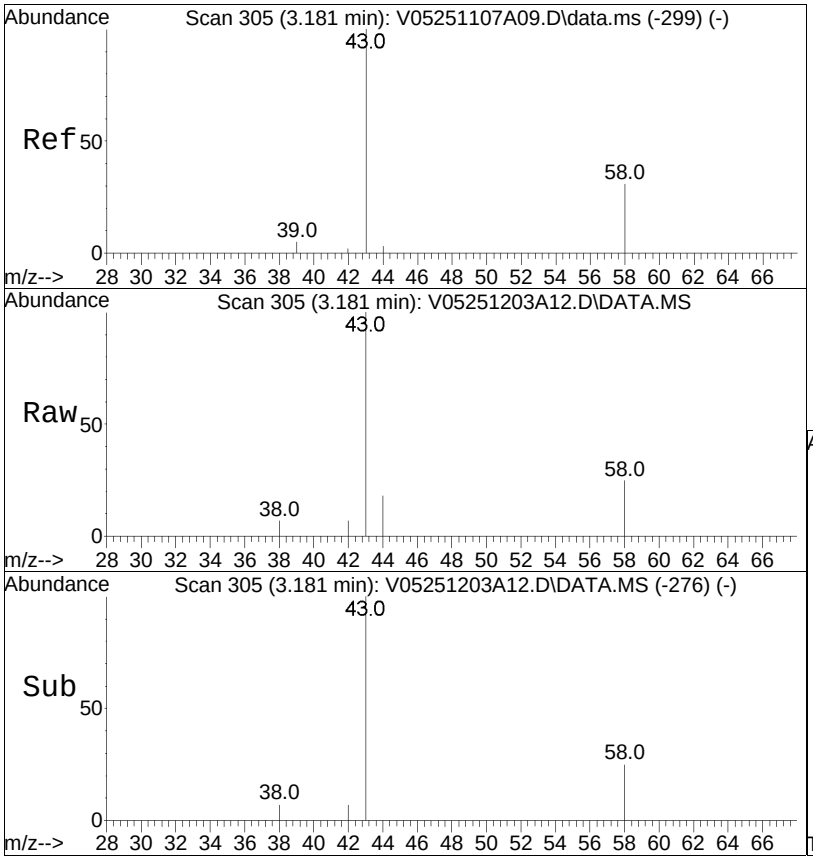


#4
Vinyl chloride
Concen: 36.46 ug/L
RT: 1.657 min Scan# 83
Delta R.T. -0.000 min
Lab File: V05251203A12.D
Acq: 3 Dec 2025 1:39 pm

Tgt Ion: 62 Resp: 320368

Ion	Ratio	Lower	Upper
62	100		
64	38.3	9.9	49.9

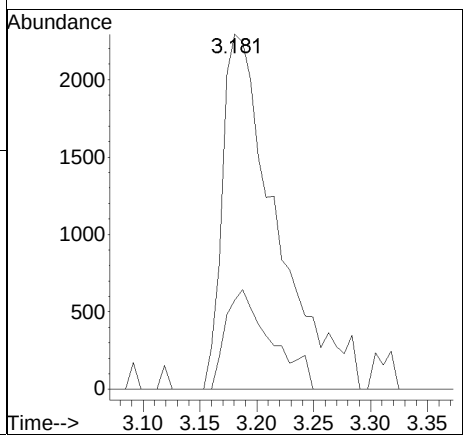


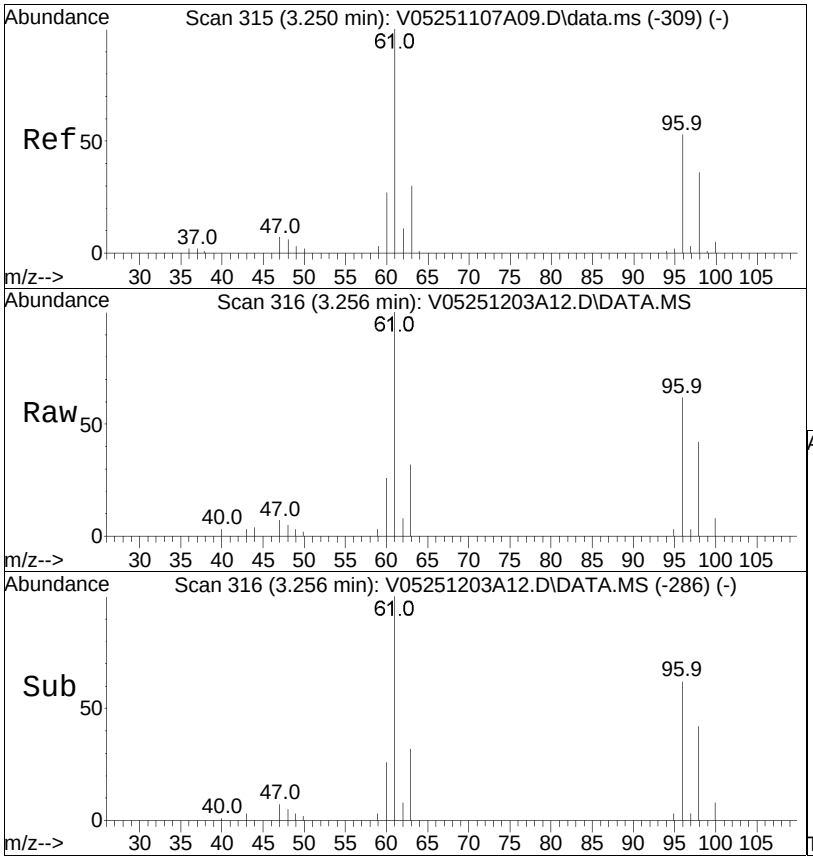


#17
Acetone
Concen: 5.76 ug/L
RT: 3.181 min Scan# 305
Delta R.T. -0.000 min
Lab File: V05251203A12.D
Acq: 3 Dec 2025 1:39 pm

Tgt Ion: 43 Resp: 7542

Ion	Ratio	Lower	Upper
43	100		
58	23.8	24.9	37.3#

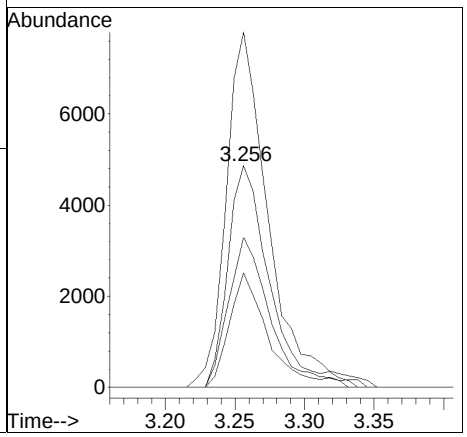


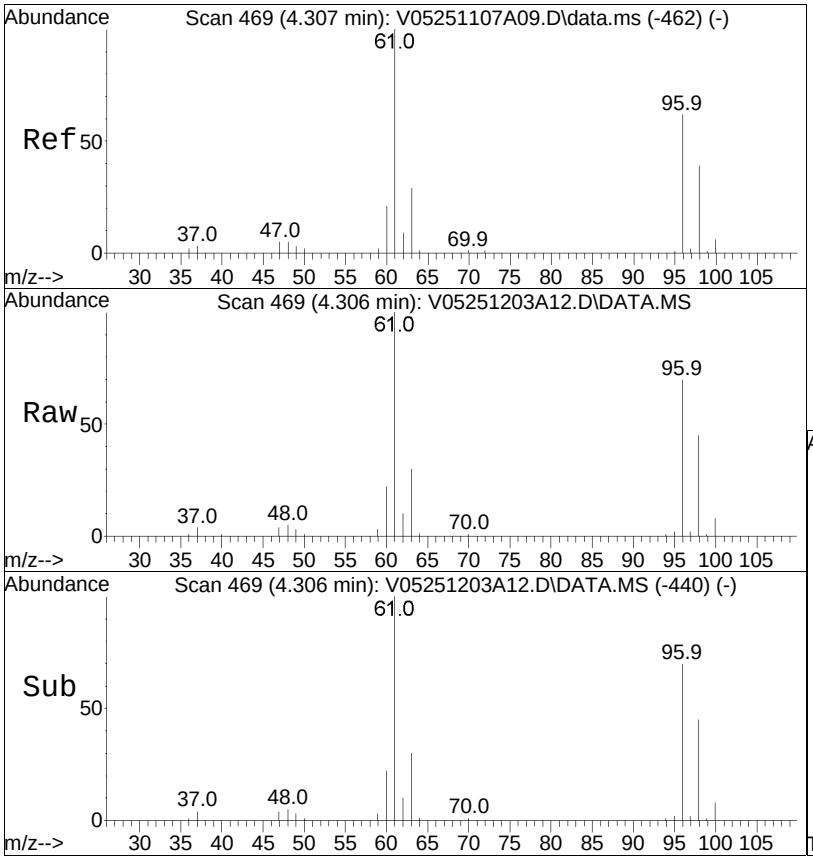


#18
trans-1,2-Dichloroethene
Concen: 1.64 ug/L
RT: 3.256 min Scan# 316
Delta R.T. 0.006 min
Lab File: V05251203A12.D
Acq: 3 Dec 2025 1:39 pm

Tgt Ion: 96 Resp: 10188

Ion	Ratio	Lower	Upper
96	100		
61	163.2	118.7	246.5
98	68.9	41.9	87.1
63	48.2	35.9	74.5

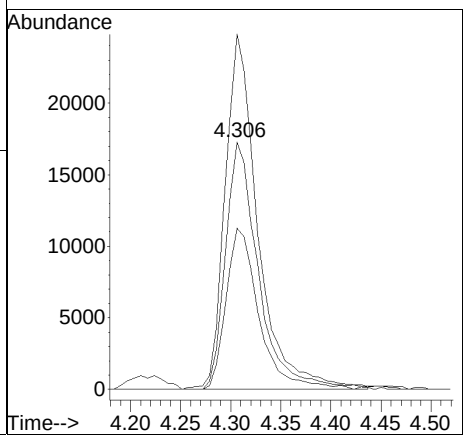


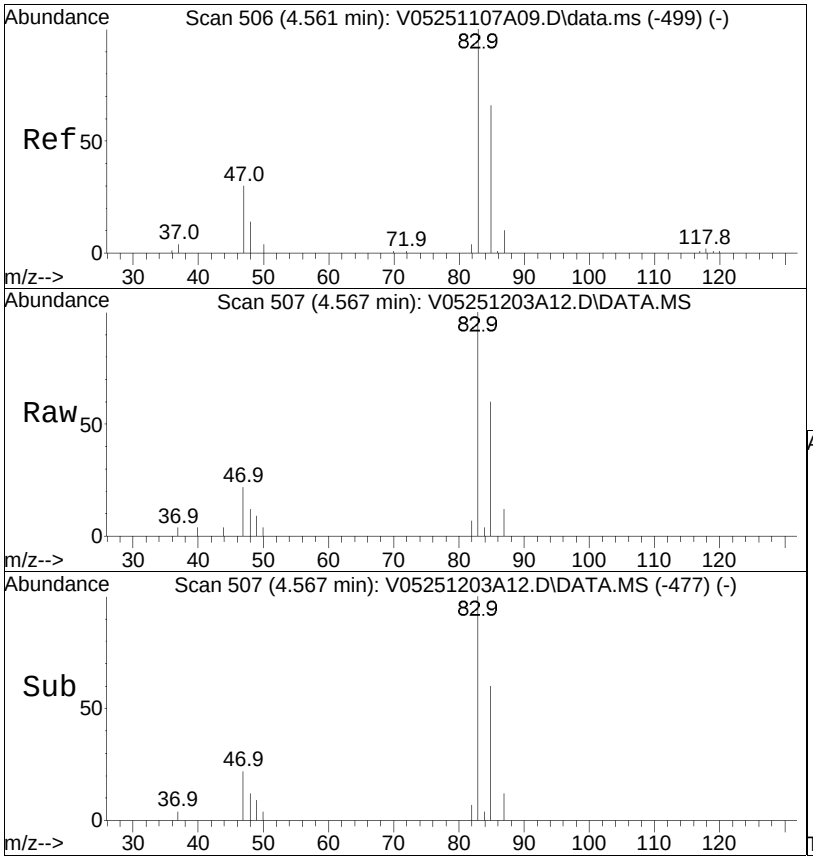


#28
cis-1,2-Dichloroethene
Concen: 5.72 ug/L
RT: 4.306 min Scan# 469
Delta R.T. -0.001 min
Lab File: V05251203A12.D
Acq: 3 Dec 2025 1:39 pm

Tgt Ion: 96 Resp: 39717

Ion	Ratio	Lower	Upper
96	100		
61	143.8	122.5	183.7
98	65.1	50.2	75.4

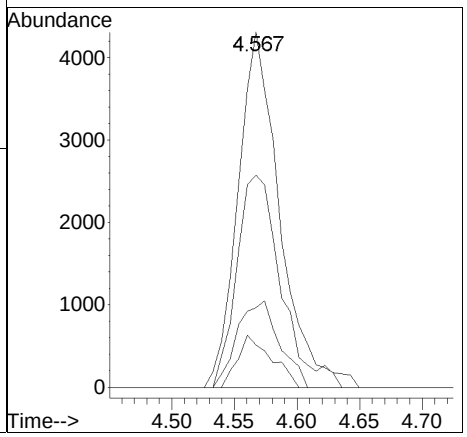


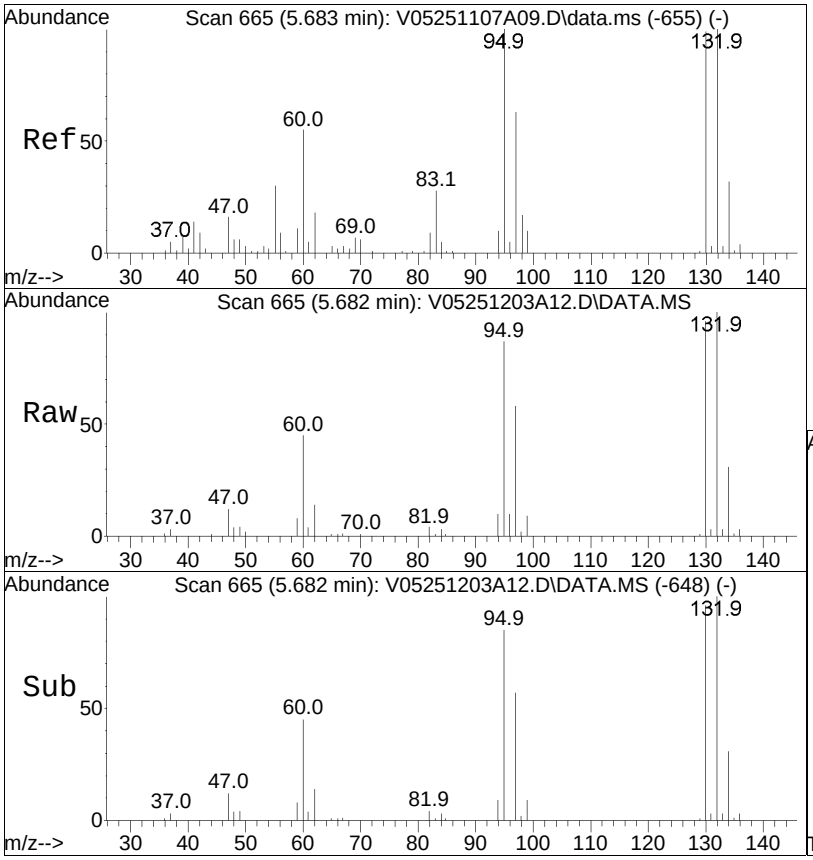


#32
Chloroform
Concen: 0.83 ug/L
RT: 4.567 min Scan# 507
Delta R.T. 0.006 min
Lab File: V05251203A12.D
Acq: 3 Dec 2025 1:39 pm

Tgt Ion: 83 Resp: 10011

Ion	Ratio	Lower	Upper
83	100		
85	63.3	42.7	88.7
47	24.6	18.5	38.3
48	12.0	10.1	20.9

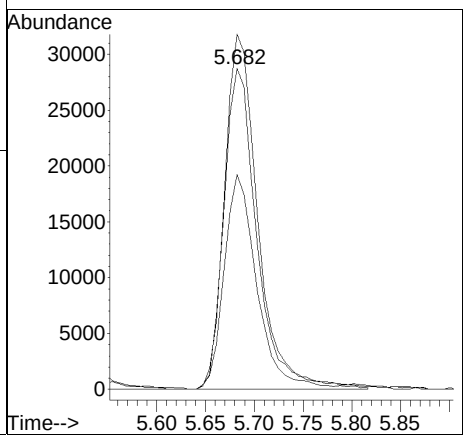


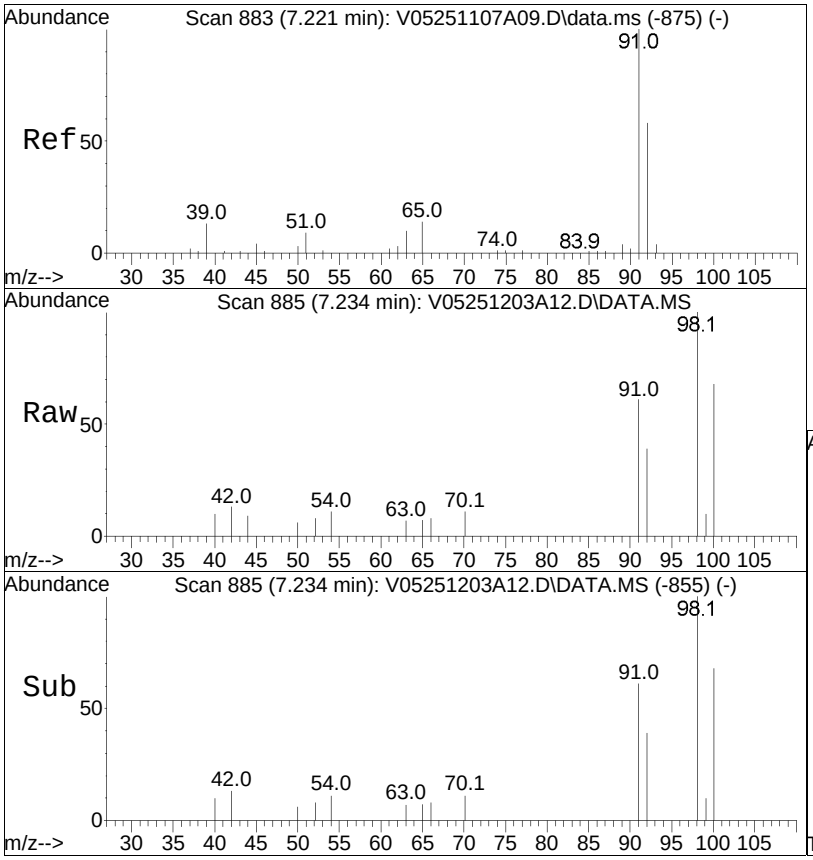


#48
Trichloroethene
Concen: 9.66 ug/L
RT: 5.682 min Scan# 665
Delta R.T. -0.001 min
Lab File: V05251203A12.D
Acq: 3 Dec 2025 1:39 pm

Tgt Ion: 95 Resp: 68295

Ion	Ratio	Lower	Upper
95	100		
97	66.7	54.4	81.6
130	110.7	82.2	123.4

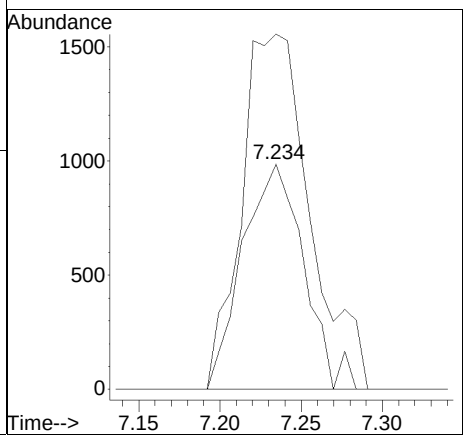


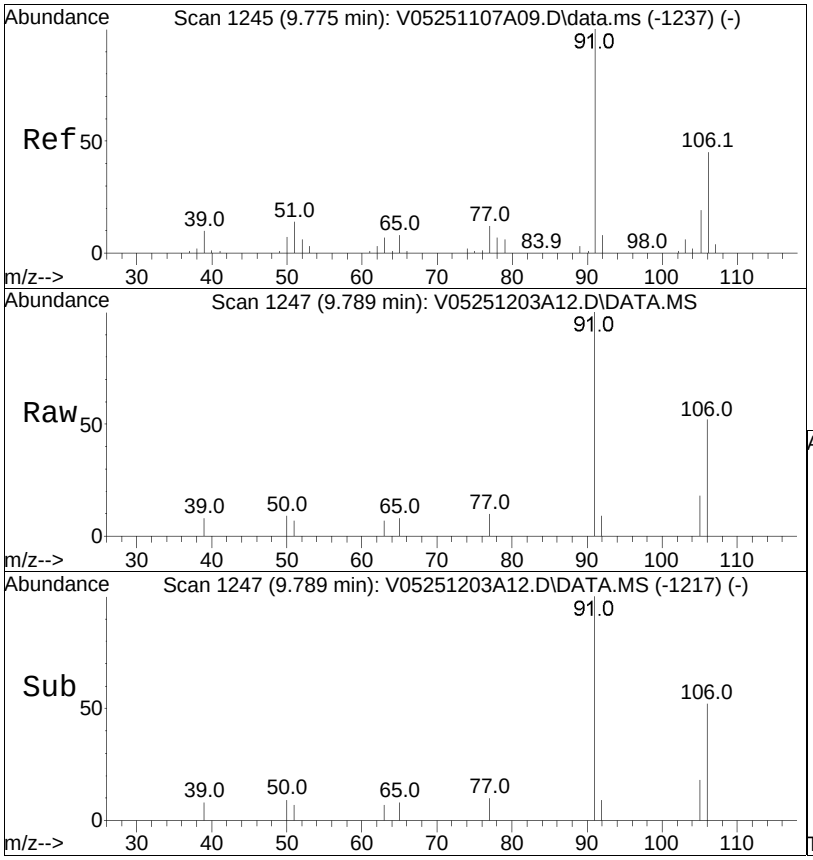


#61
Toluene
Concen: 0.15 ug/L
RT: 7.234 min Scan# 885
Delta R.T. 0.013 min
Lab File: V05251203A12.D
Acq: 3 Dec 2025 1:39 pm

Tgt Ion: 92 Resp: 2583

Ion	Ratio	Lower	Upper
92	100		
91	177.0	136.6	205.0

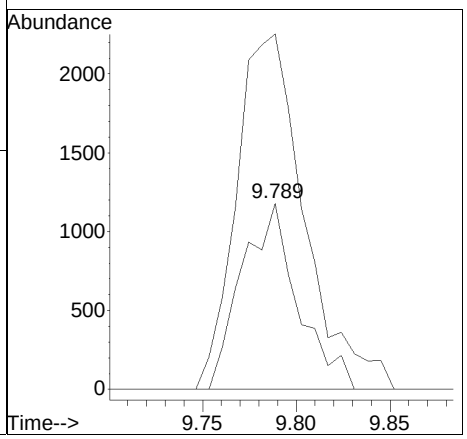


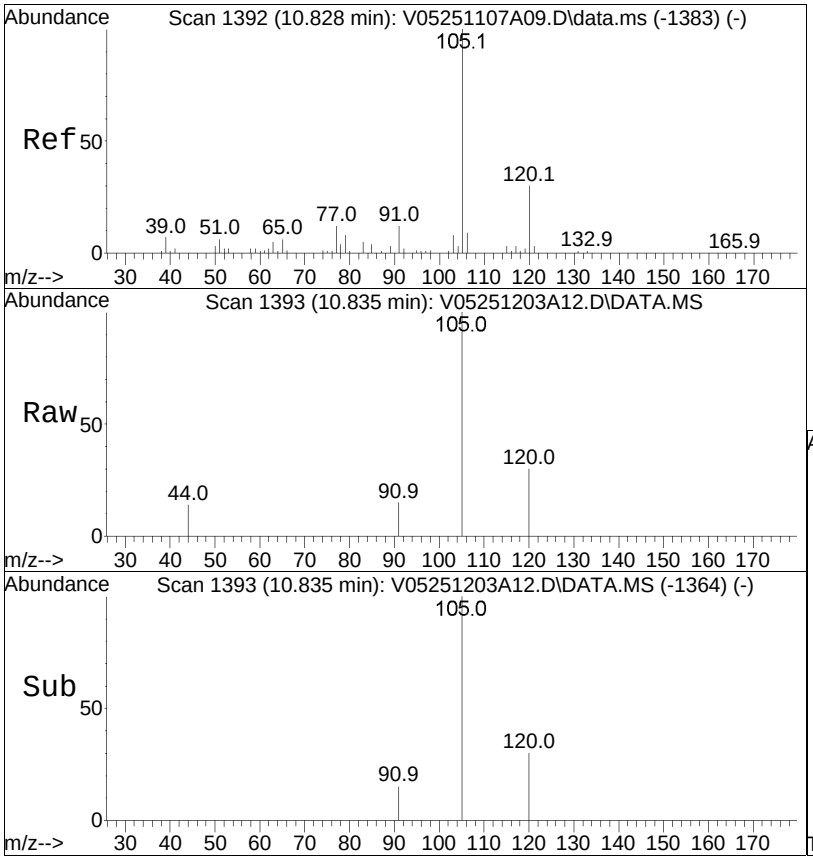


#77
o Xylene
Concen: 0.20 ug/L
RT: 9.789 min Scan# 1247
Delta R.T. 0.014 min
Lab File: V05251203A12.D
Acq: 3 Dec 2025 1:39 pm

Tgt Ion:106 Resp: 2455

Ion	Ratio	Lower	Upper
106	100		
91	232.5	174.7	262.1

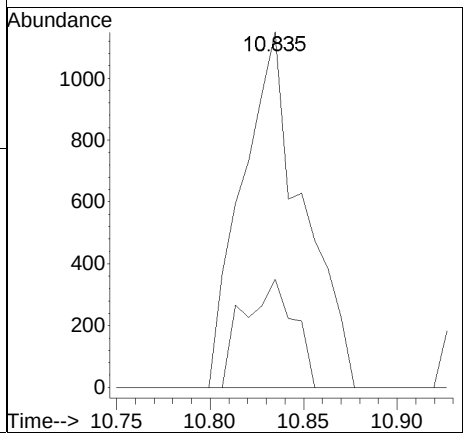


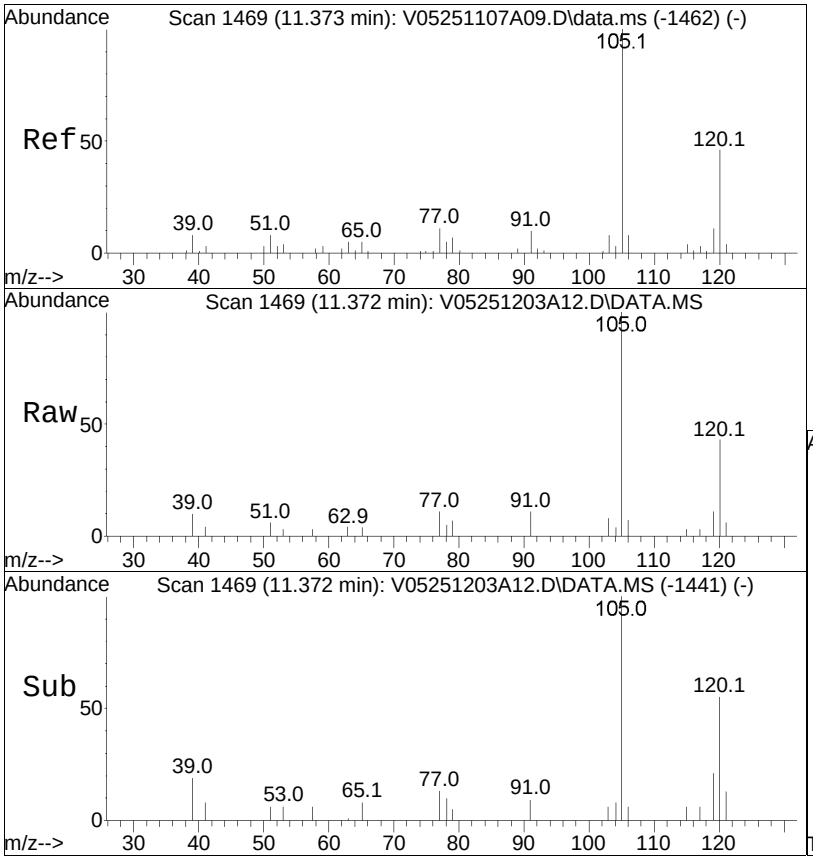


#88
4-Ethyltoluene
Concen: 0.07 ug/L
RT: 10.835 min Scan# 1393
Delta R.T. 0.007 min
Lab File: V05251203A12.D
Acq: 3 Dec 2025 1:39 pm

Tgt Ion:105 Resp: 2595

Ion	Ratio	Lower	Upper
105	100		
120	25.3	19.2	40.0

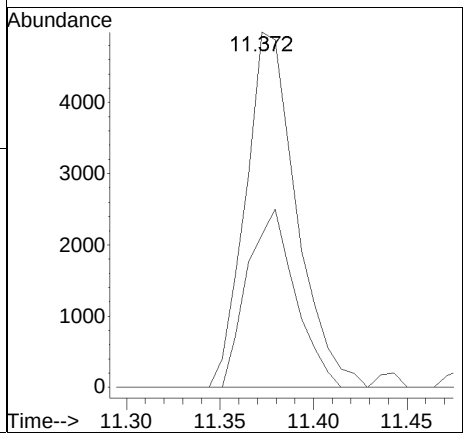




#97
1,2,4-Trimethylbenzene
Concen: 0.32 ug/L
RT: 11.372 min Scan# 1469
Delta R.T. -0.001 min
Lab File: V05251203A12.D
Acq: 3 Dec 2025 1:39 pm

Tgt Ion:105 Resp: 9471

Ion	Ratio	Lower	Upper
105	100		
120	47.3	36.6	54.8



Manual Integration Report

Data Path	: K:\VOA105\2025\251203A\	QMethod	: V105_251107A_8260.m
Data File	: V05251203A12.D	Operator	: VOA105:BAD
Date Inj'd	: 12/3/2025 1:39 pm	Instrument	: VOA105
Sample	: L2575576-04,31,10,10,,A	Quant Date	: 12/4/2025 12:14 pm

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

LSC Area Percent Report

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A12.D
Acq On : 3 Dec 2025 1:39 pm
Operator : VOA105:BAD
Sample : L2575576-04,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 12 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V05251203A12.D\DATA.MS

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.574	65	71	74	rBV2	13405	29286	3.77%	0.589%
2	1.657	79	83	106	rVB	376590	592156	76.20%	11.910%
3	1.986	124	131	138	rBV6	7474	24303	3.13%	0.489%
4	3.256	312	316	331	rVB	24506	53461	6.88%	1.075%
5	4.306	462	469	495	rVB	77858	178549	22.98%	3.591%
6	4.739	525	532	554	rBV	106360	258871	33.31%	5.206%
7	5.245	596	603	621	rBV	93215	227150	29.23%	4.568%
8	5.513	633	641	658	rBV	239495	547712	70.49%	11.016%
9	5.682	658	665	682	rVV	171670	397190	51.11%	7.988%
10	7.164	868	875	904	rBV	287402	661670	85.15%	13.308%
11	8.984	1123	1133	1157	rBV	287765	646456	83.19%	13.002%
12	10.538	1335	1351	1372	rBV	264585	554906	71.41%	11.160%
13	11.379	1462	1470	1477	rBB	13363	23331	3.00%	0.469%
14	11.797	1521	1529	1550	rBV	435879	777059	100.00%	15.628%

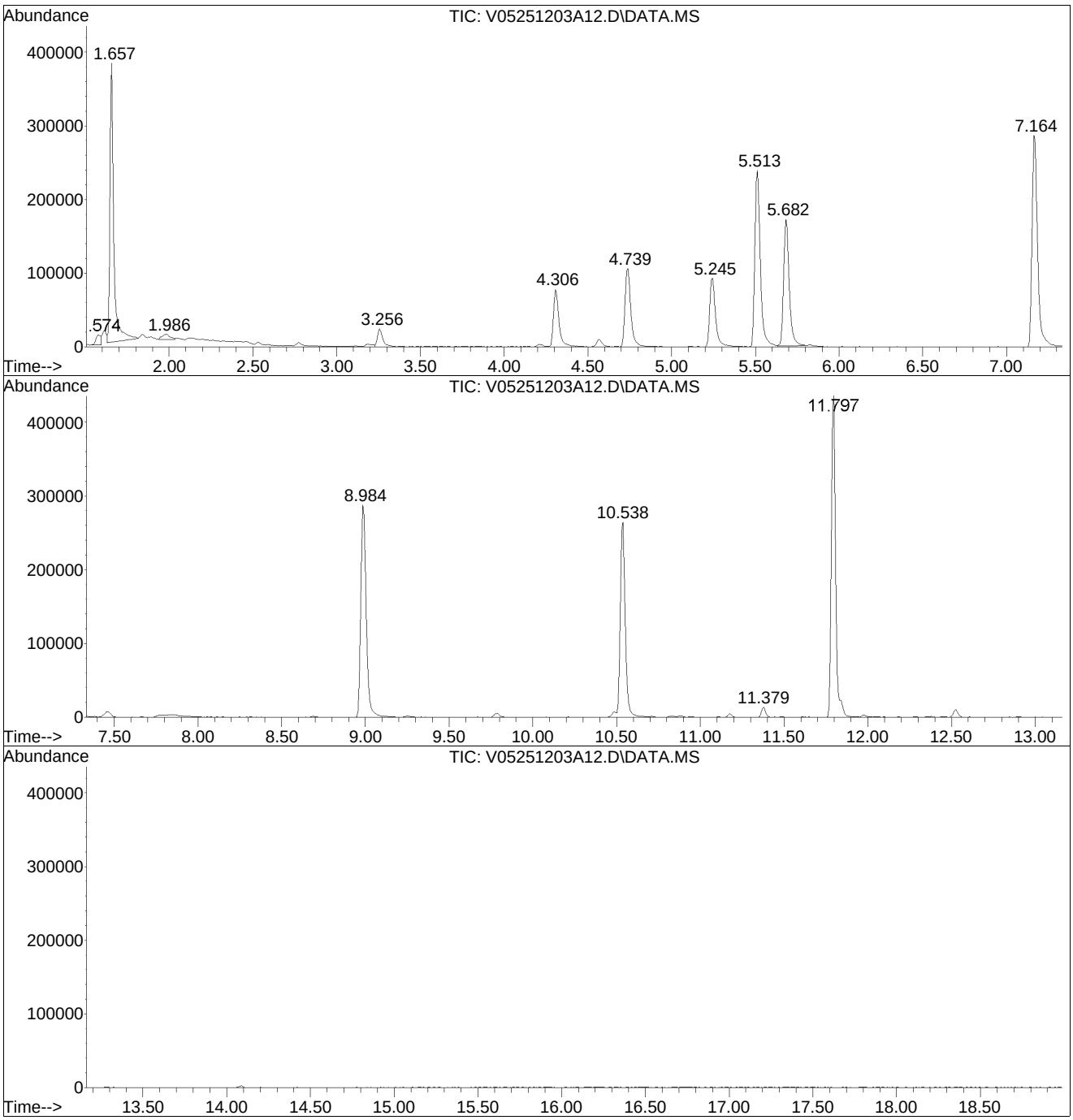
Sum of corrected areas: 4972100

LSC Report - Integrated Chromatogram

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A12.D
Acq On : 3 Dec 2025 1:39 pm
Operator : VOA105:BAD
Sample : L2575576-04,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 12 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



V105_251107A_8260.m Thu Dec 04 13:59:18 2025 Page: 2

Library Search Compound Report

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A12.D
Acq On : 3 Dec 2025 1:39 pm
Operator : VOA105:BAD
Sample : L2575576-04,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 12 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A12.D
Acq On : 3 Dec 2025 1:39 pm
Operator : VOA105:BAD
Sample : L2575576-04,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 12 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

						Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A13.D
Acq On : 3 Dec 2025 2:05 pm
Operator : VOA105:BAD
Sample : L2575576-05,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 04 12:30:33 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.513	96	264723	10.000	ug/L	0.00
Standard Area 1 = 383158			Recovery = 69.09%			
59) Chlorobenzene-d5	8.985	117	217255	10.000	ug/L	0.00
Standard Area 1 = 313563			Recovery = 69.29%			
79) 1,4-Dichlorobenzene-d4	11.797	152	142865	10.000	ug/L	0.00
Standard Area 1 = 191277			Recovery = 74.69%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.739	113	76943	10.538	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.38%			
43) 1,2-Dichloroethane-d4	5.245	65	89177	9.750	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.50%			
60) Toluene-d8	7.164	98	243801	8.874	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.74%			
83) 4-Bromofluorobenzene	10.531	95	105828	8.635	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.35%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	d	
3) Chloromethane	1.609	50	308	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.	d	
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.625	76	493	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.174	43	11147	8.254	ug/L #	87
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	3.805	63	66	N.D.		
25) Acrylonitrile	3.984	53	63	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	4.313	96	3468	0.484	ug/L	88
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A13.D
Acq On : 3 Dec 2025 2:05 pm
Operator : VOA105:BAD
Sample : L2575576-05,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 04 12:30:33 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	4.856	43	31237	15.681	ug/L #	69
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	5.118	78	1388	N.D.		
44) 1,2-Dichloroethane	5.323	62	458	N.D.		
48) Trichloroethene	5.690	95	485	N.D.		
50) Dibromomethane	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.228	92	9945	0.579	ug/L	93
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
70) 1,3-Dichloropropane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	8.695	43	78	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.055	91	9251	0.275	ug/L	98
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	9.246	106	5996	0.480	ug/L	98
77) o Xylene	9.782	106	10953	0.914	ug/L	98
78) Styrene	0.000		0	N.D. d		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	10.184	105	3178	0.082	ug/L	94
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	10.708	91	2575	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88) 4-Ethyltoluene	10.835	105	12414	0.330	ug/L	97
89) 2-Chlorotoluene	10.821	91	1486	N.D.		
90) 1,3,5-Trimethylbenzene	10.941	105	3709	0.115	ug/L	95
91) 1,2,3-Trichloropropane	0.000		0	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
93) 4-Chlorotoluene	11.175	91	1897	N.D.		
94) tert-Butylbenzene	11.288	119	503	N.D.		

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A13.D
Acq On : 3 Dec 2025 2:05 pm
Operator : VOA105:BAD
Sample : L2575576-05,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 04 12:30:33 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	11.373	105	44194	1.426	ug/L	98
98) sec-Butylbenzene	11.486	105	1405	N.D.		
99) p-Isopropyltoluene	0.000		0	N.D.	d	
100) 1,3-Dichlorobenzene	0.000		0	N.D.		
101) 1,4-Dichlorobenzene	0.000		0	N.D.		
102) p-Diethylbenzene	12.066	119	230	N.D.		
103) n-Butylbenzene	11.974	91	708	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
105) 1,2,4,5-Tetramethylben...	12.844	119	314	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
108) Hexachlorobutadiene	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
110) Naphthalene	13.976	128	677	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

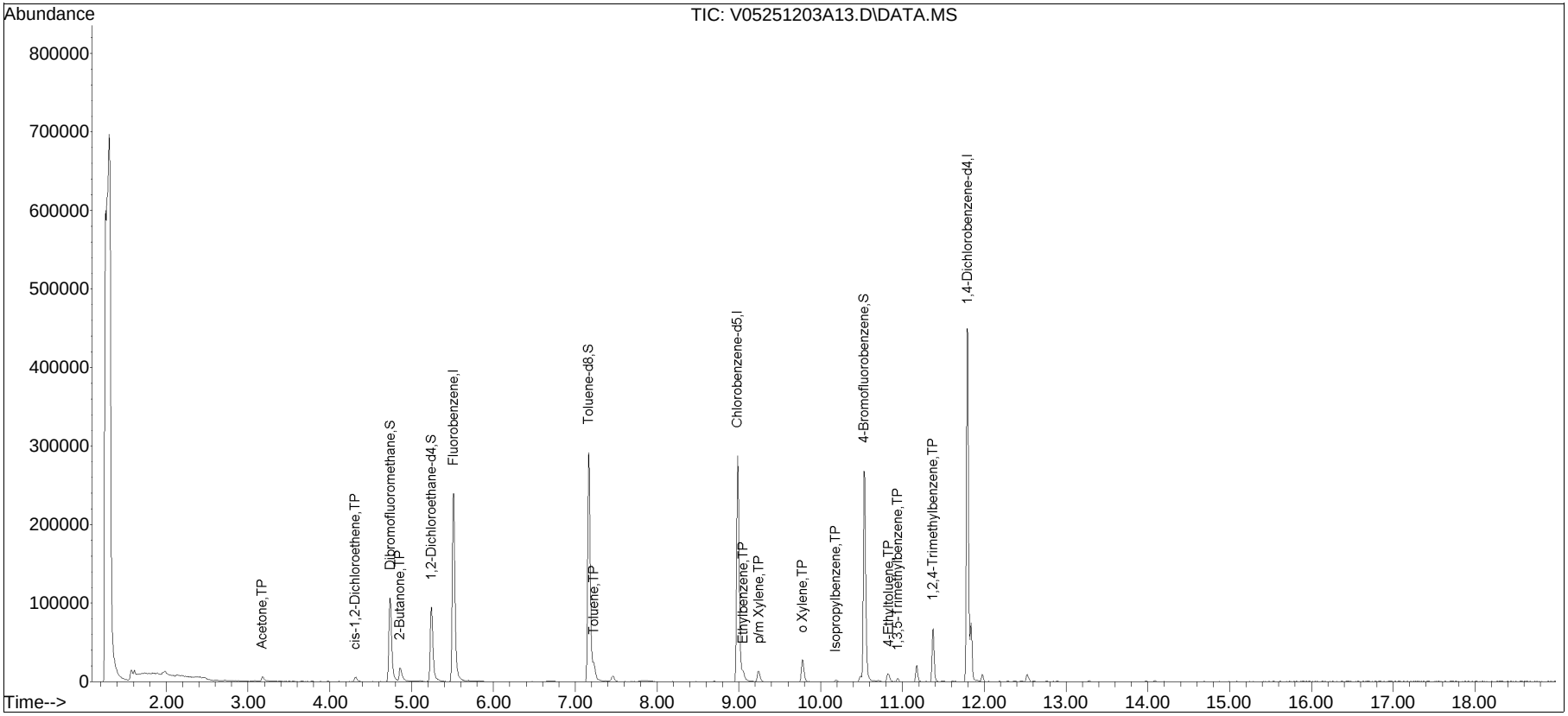
(#) = qualifier out of range (m) = manual integration (+) = signals summed

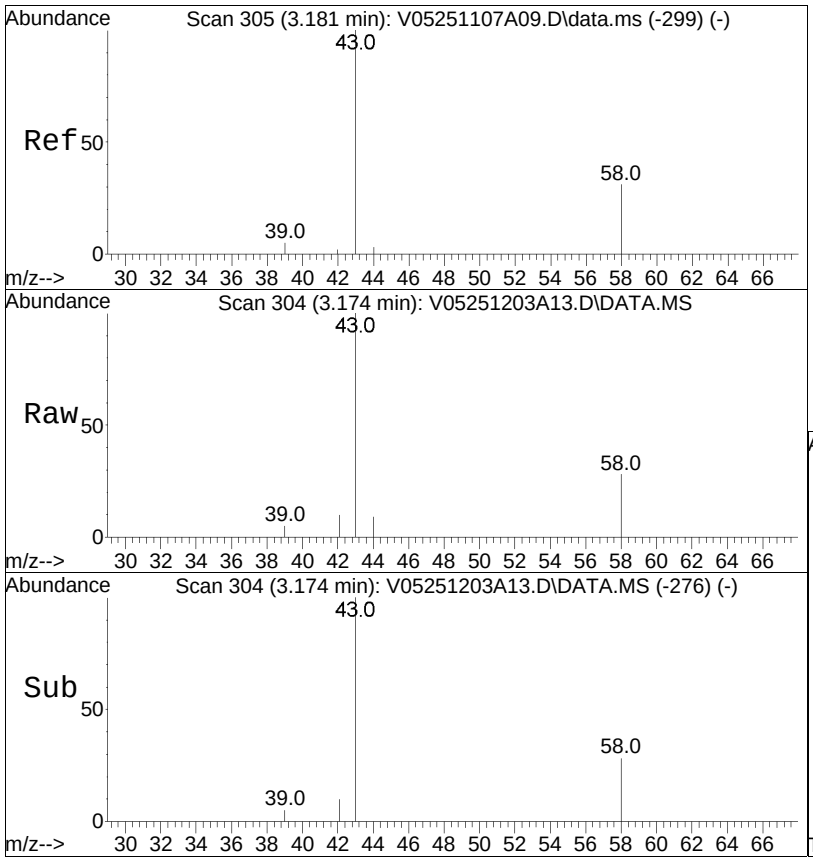
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A13.D
Acq On : 3 Dec 2025 2:05 pm
Operator : VOA105:BAD
Sample : L2575576-05,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 04 12:30:33 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox251203A01.D•

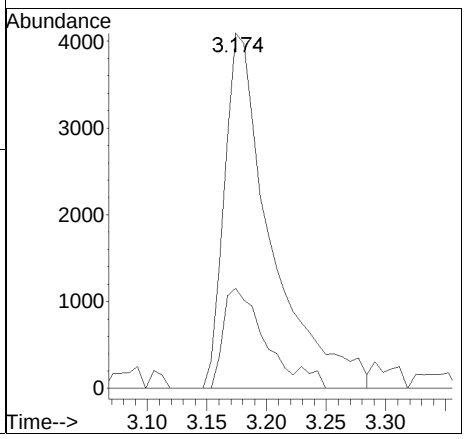


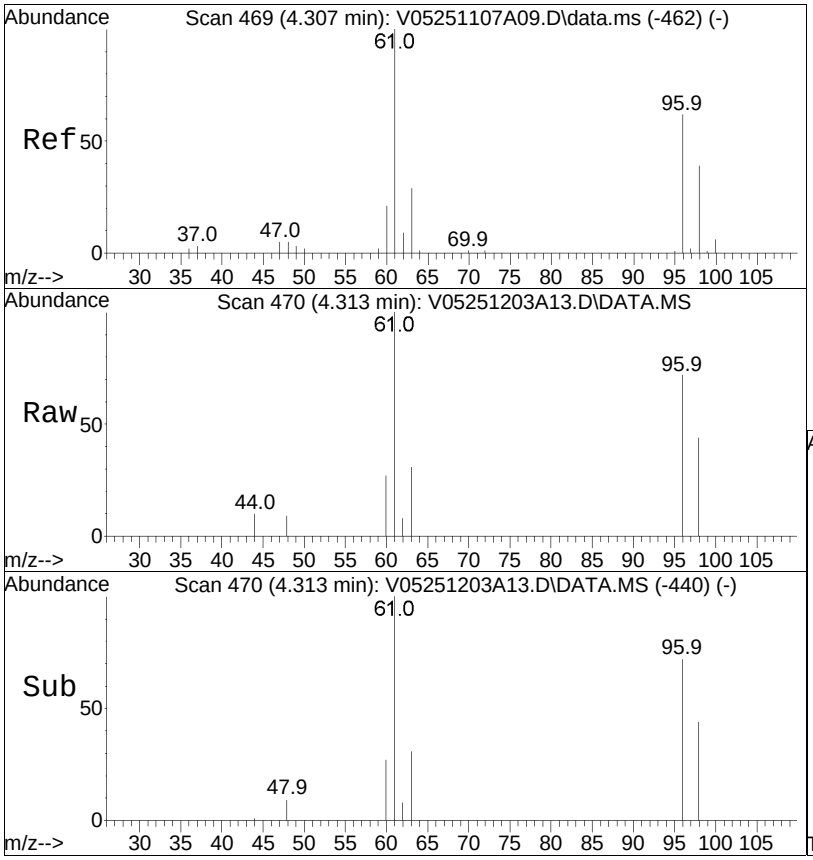


#17
Acetone
Concen: 8.25 ug/L
RT: 3.174 min Scan# 304
Delta R.T. -0.007 min
Lab File: V05251203A13.D
Acq: 3 Dec 2025 2:05 pm

Tgt Ion: 43 Resp: 11147

Ion	Ratio	Lower	Upper
43	100		
58	23.8	24.9	37.3#

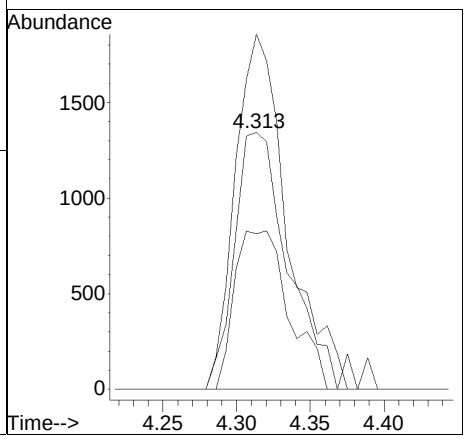


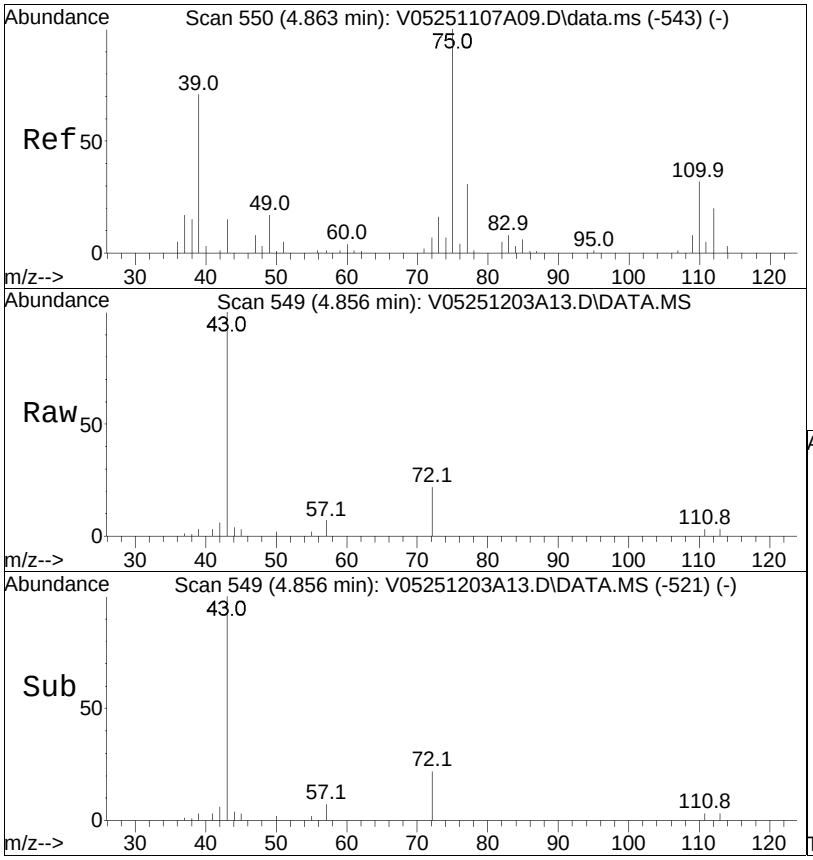


#28
cis-1,2-Dichloroethene
Concen: 0.48 ug/L
RT: 4.313 min Scan# 470
Delta R.T. 0.006 min
Lab File: V05251203A13.D
Acq: 3 Dec 2025 2:05 pm

Tgt Ion: 96 Resp: 3468

Ion	Ratio	Lower	Upper
96	100		
61	131.8	122.5	183.7
98	61.6	50.2	75.4

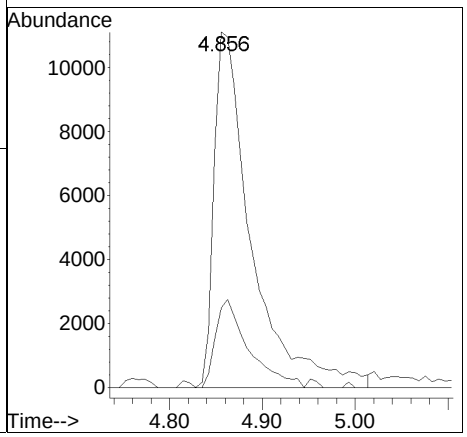


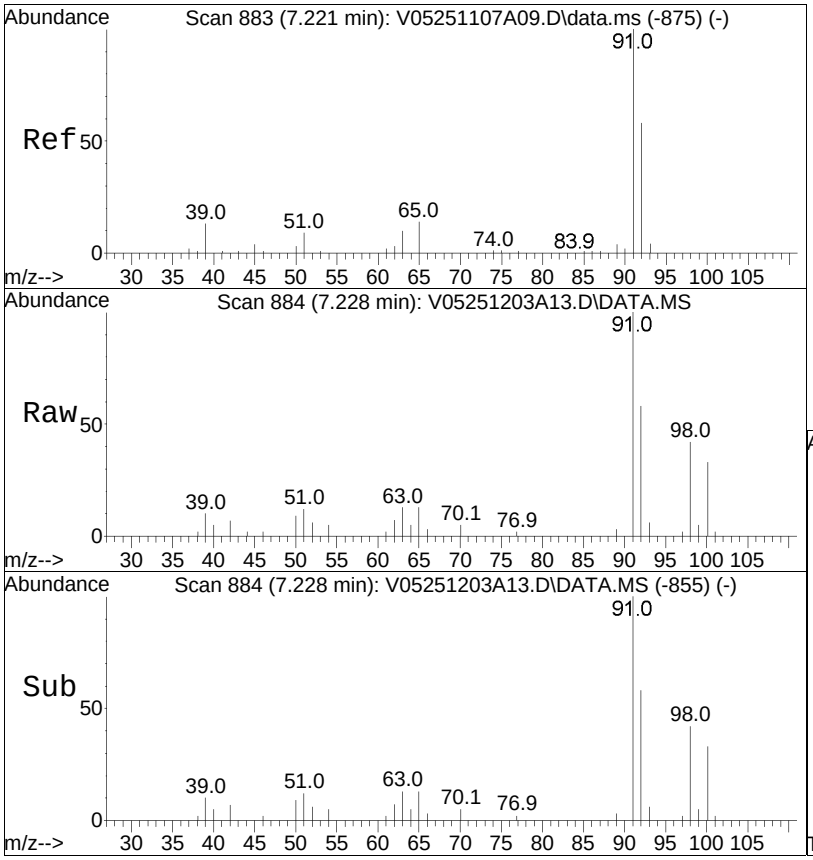


#39
2-Butanone
Concen: 15.68 ug/L
RT: 4.856 min Scan# 549
Delta R.T. -0.007 min
Lab File: V05251203A13.D
Acq: 3 Dec 2025 2:05 pm

Tgt Ion: 43 Resp: 31237

Ion	Ratio	Lower	Upper
43	100		
72	21.9	33.3	49.9#

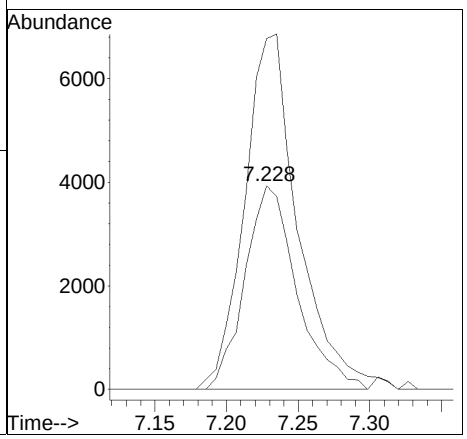


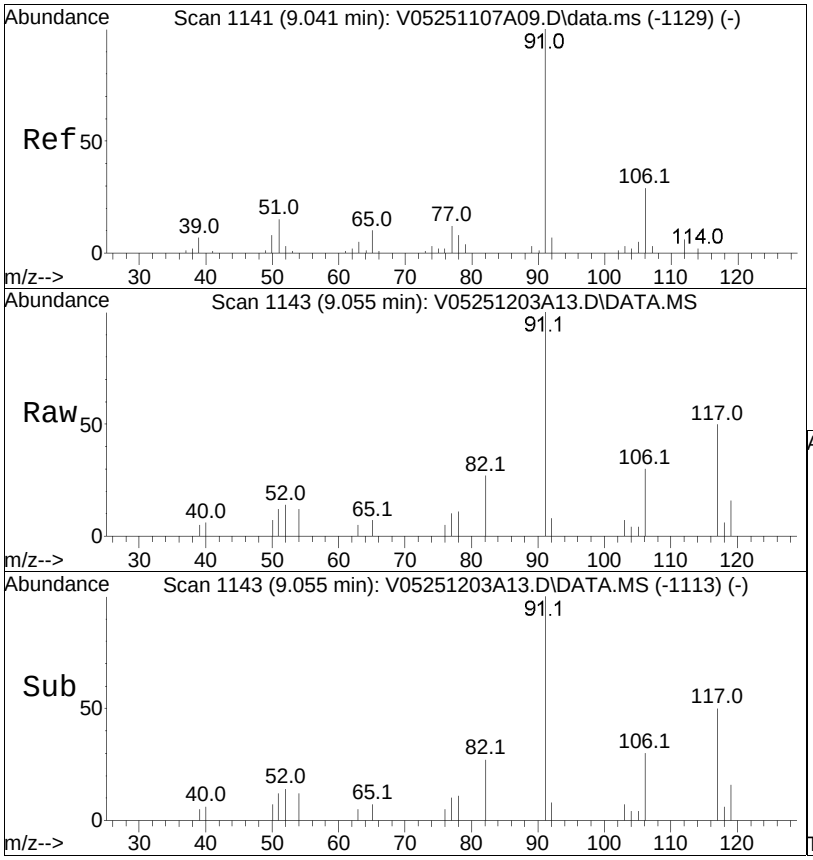


#61
Toluene
Concen: 0.58 ug/L
RT: 7.228 min Scan# 884
Delta R.T. 0.007 min
Lab File: V05251203A13.D
Acq: 3 Dec 2025 2:05 pm

Tgt Ion: 92 Resp: 9945

Ion	Ratio	Lower	Upper
92	100		
91	180.4	136.6	205.0

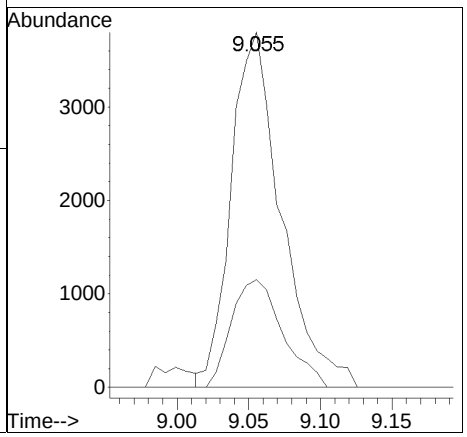


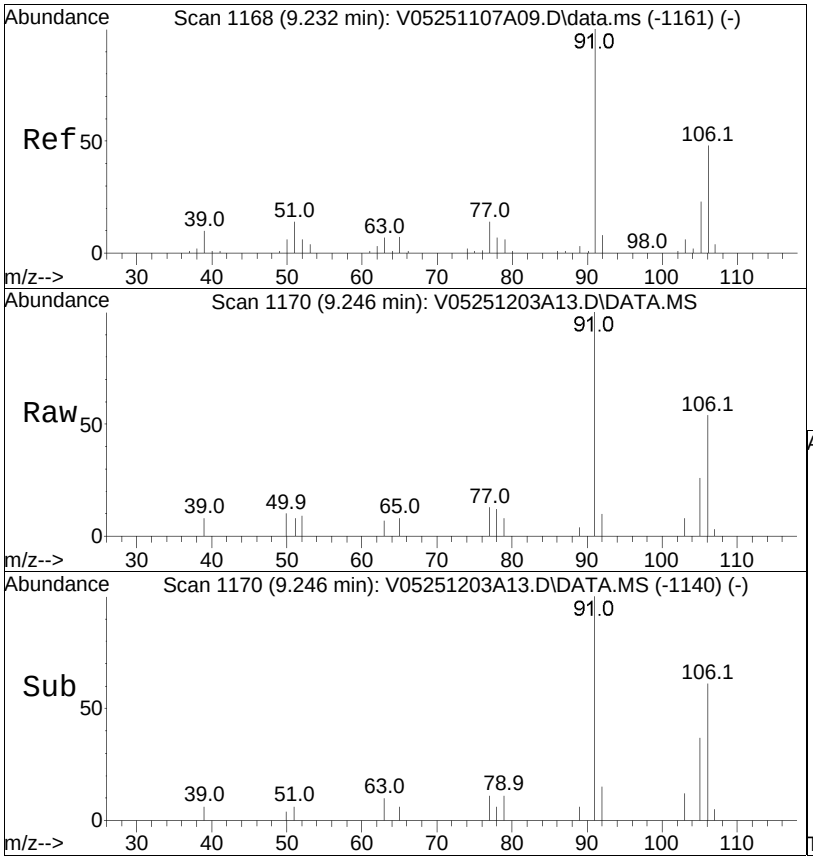


#74
Ethylbenzene
Concen: 0.28 ug/L
RT: 9.055 min Scan# 1143
Delta R.T. 0.014 min
Lab File: V05251203A13.D
Acq: 3 Dec 2025 2:05 pm

Tgt Ion: 91 Resp: 9251

Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.2	36.2

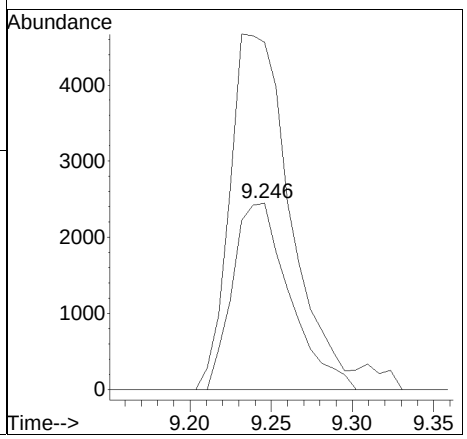


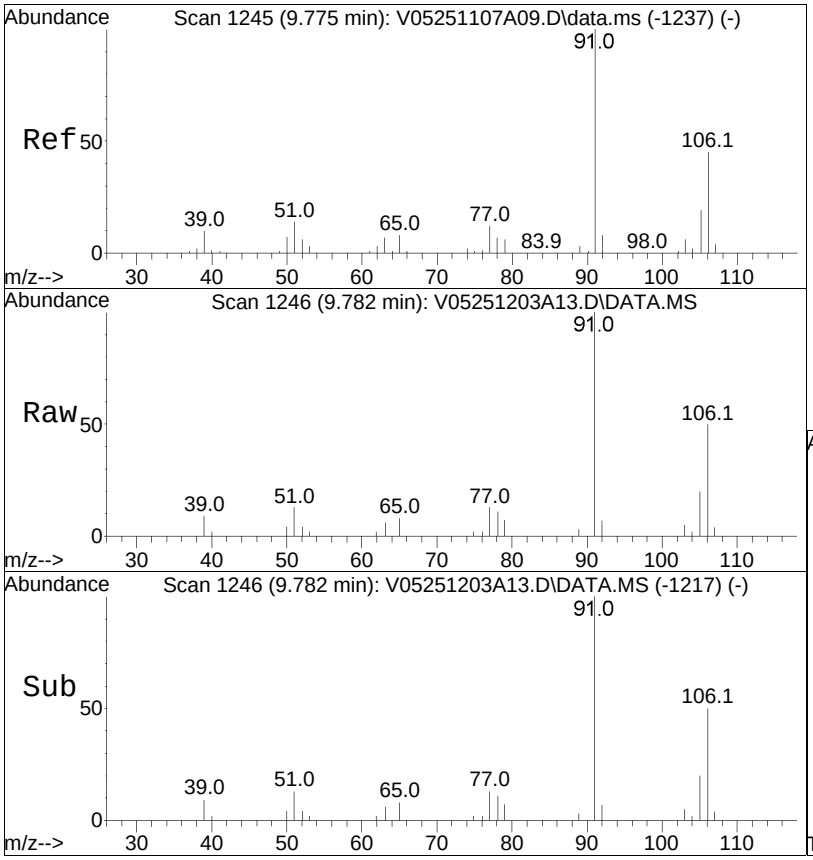


#76
p/m Xylene
Concen: 0.48 ug/L
RT: 9.246 min Scan# 1170
Delta R.T. 0.014 min
Lab File: V05251203A13.D
Acq: 3 Dec 2025 2:05 pm

Tgt Ion:106 Resp: 5996

Ion	Ratio	Lower	Upper
106	100		
91	202.5	164.9	247.3

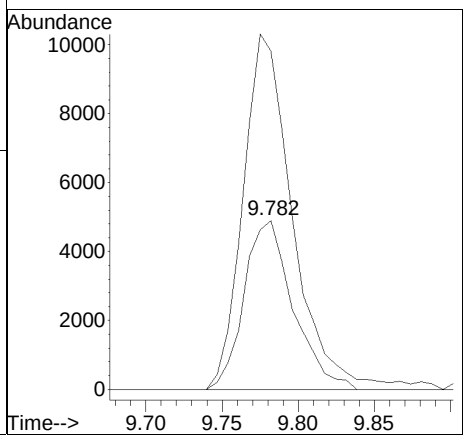


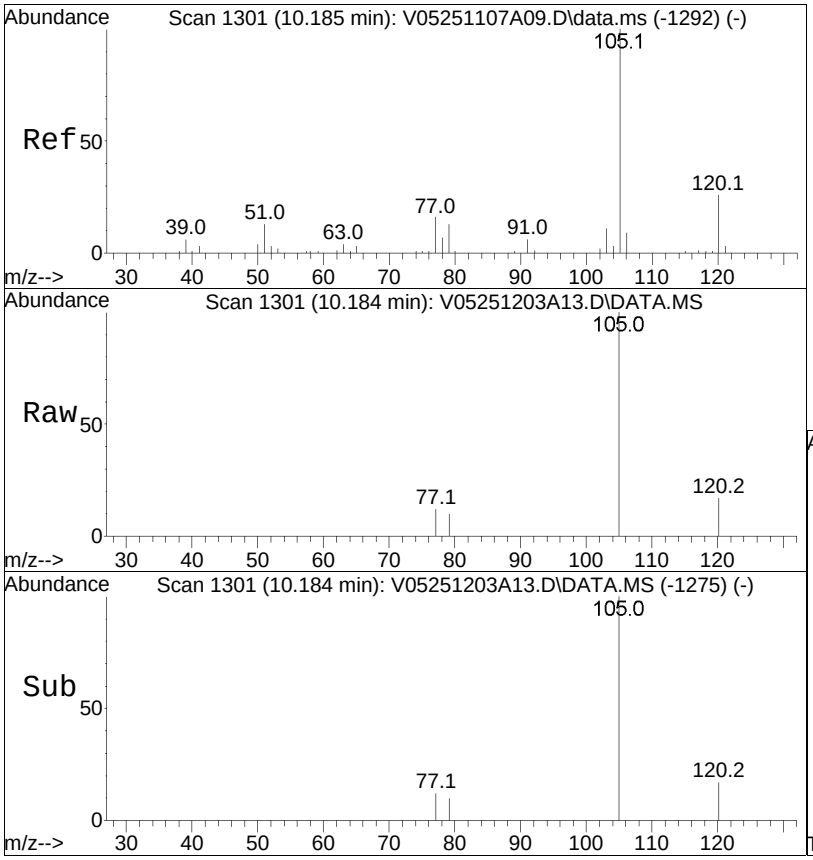


#77
o Xylene
Concen: 0.91 ug/L
RT: 9.782 min Scan# 1246
Delta R.T. 0.007 min
Lab File: V05251203A13.D
Acq: 3 Dec 2025 2:05 pm

Tgt Ion:106 Resp: 10953

Ion	Ratio	Lower	Upper
106	100		
91	215.3	174.7	262.1

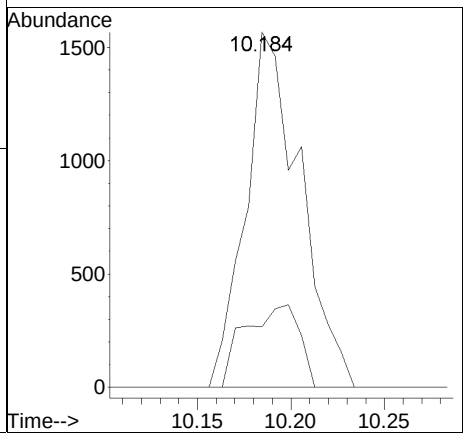


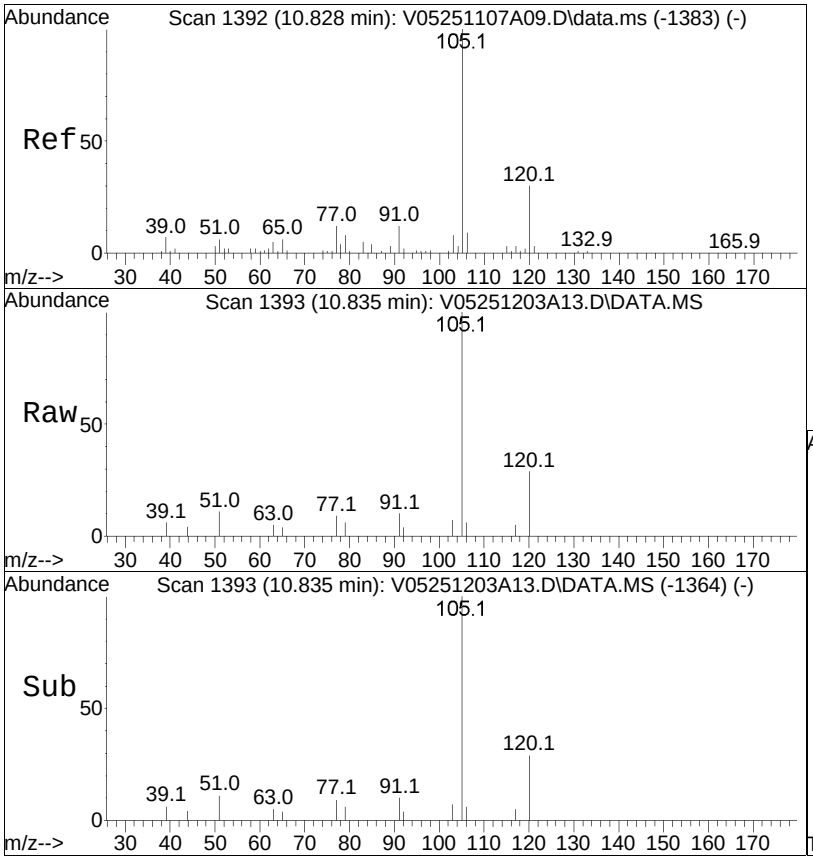


#82
Isopropylbenzene
Concen: 0.08 ug/L
RT: 10.184 min Scan# 1301
Delta R.T. -0.001 min
Lab File: V05251203A13.D
Acq: 3 Dec 2025 2:05 pm

Tgt Ion:105 Resp: 3178

Ion	Ratio	Lower	Upper
105	100		
120	23.3	6.1	46.1

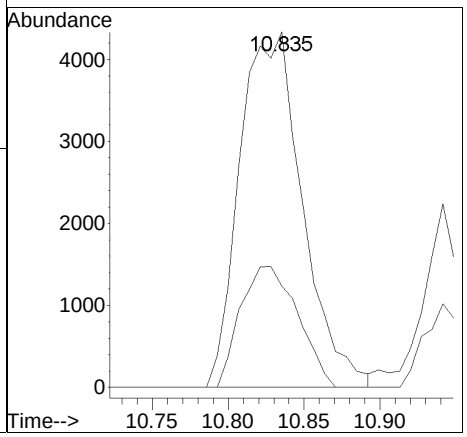


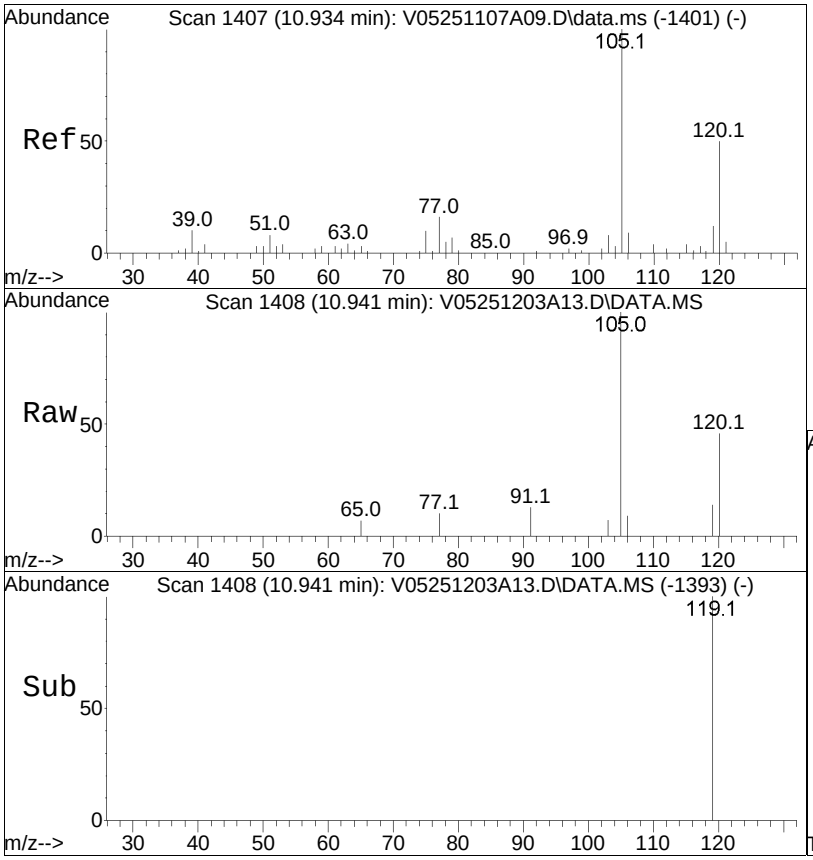


#88
4-Ethyltoluene
Concen: 0.33 ug/L
RT: 10.835 min Scan# 1393
Delta R.T. 0.007 min
Lab File: V05251203A13.D
Acq: 3 Dec 2025 2:05 pm

Tgt Ion:105 Resp: 12414

Ion	Ratio	Lower	Upper
105	100		
120	31.3	19.2	40.0

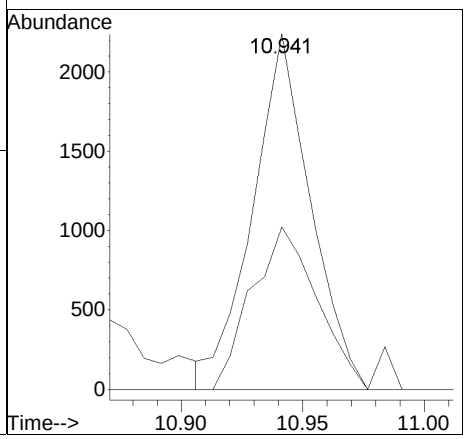


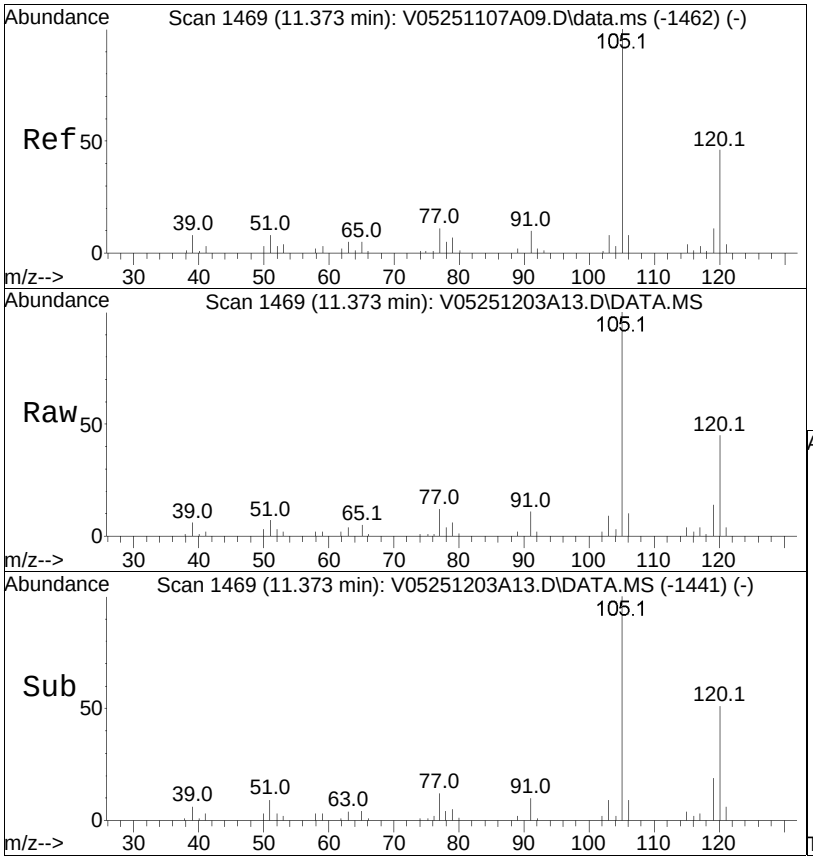


#90
1,3,5-Trimethylbenzene
Concen: 0.11 ug/L
RT: 10.941 min Scan# 1408
Delta R.T. 0.007 min
Lab File: V05251203A13.D
Acq: 3 Dec 2025 2:05 pm

Tgt Ion:105 Resp: 3709

Ion	Ratio	Lower	Upper
105	100		
120	51.4	38.5	57.7

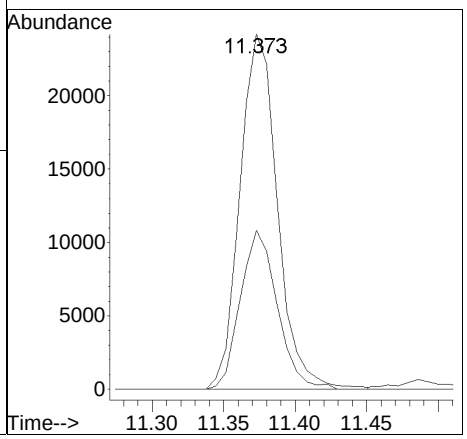




#97
1,2,4-Trimethylbenzene
Concen: 1.43 ug/L
RT: 11.373 min Scan# 1469
Delta R.T. -0.000 min
Lab File: V05251203A13.D
Acq: 3 Dec 2025 2:05 pm

Tgt Ion:105 Resp: 44194

Ion	Ratio	Lower	Upper
105	100		
120	44.1	36.6	54.8



Manual Integration Report

Data Path	: K:\VOA105\2025\251203A\	QMethod	: V105_251107A_8260.m
Data File	: V05251203A13.D	Operator	: VOA105:BAD
Date Inj'd	: 12/3/2025 2:05 pm	Instrument	: VOA105
Sample	: L2575576-05,31,10,10,,A	Quant Date	: 12/4/2025 12:15 pm

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

LSC Area Percent Report

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A13.D
Acq On : 3 Dec 2025 2:05 pm
Operator : VOA105:BAD
Sample : L2575576-05,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 13 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V05251203A13.D\DATA.MS

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.575	66	71	74	rBV	12754	26452	3.33%	0.644%
2	4.739	524	532	545	rBV	106383	259517	32.69%	6.318%
3	4.856	545	549	566	rVB	17150	44706	5.63%	1.088%
4	5.238	593	602	625	rBV	95119	230087	28.99%	5.602%
5	5.513	632	641	662	rBV	239961	566604	71.38%	13.795%
6	7.164	868	875	901	rBV	292229	696485	87.74%	16.957%
7	8.985	1124	1133	1163	rBV	287989	654836	82.50%	15.943%
8	9.239	1163	1169	1184	rVB2	13867	32572	4.10%	0.793%
9	9.775	1237	1245	1256	rBV	28364	61006	7.69%	1.485%
10	10.531	1336	1350	1372	rBV	268434	560782	70.65%	13.653%
11	10.821	1384	1391	1401	rBV3	10430	26262	3.31%	0.639%
12	11.175	1433	1441	1450	rBB	20854	36873	4.65%	0.898%
13	11.373	1462	1469	1480	rBV	67578	117355	14.78%	2.857%
14	11.790	1520	1528	1533	rBV	449867	793768	100.00%	19.326%

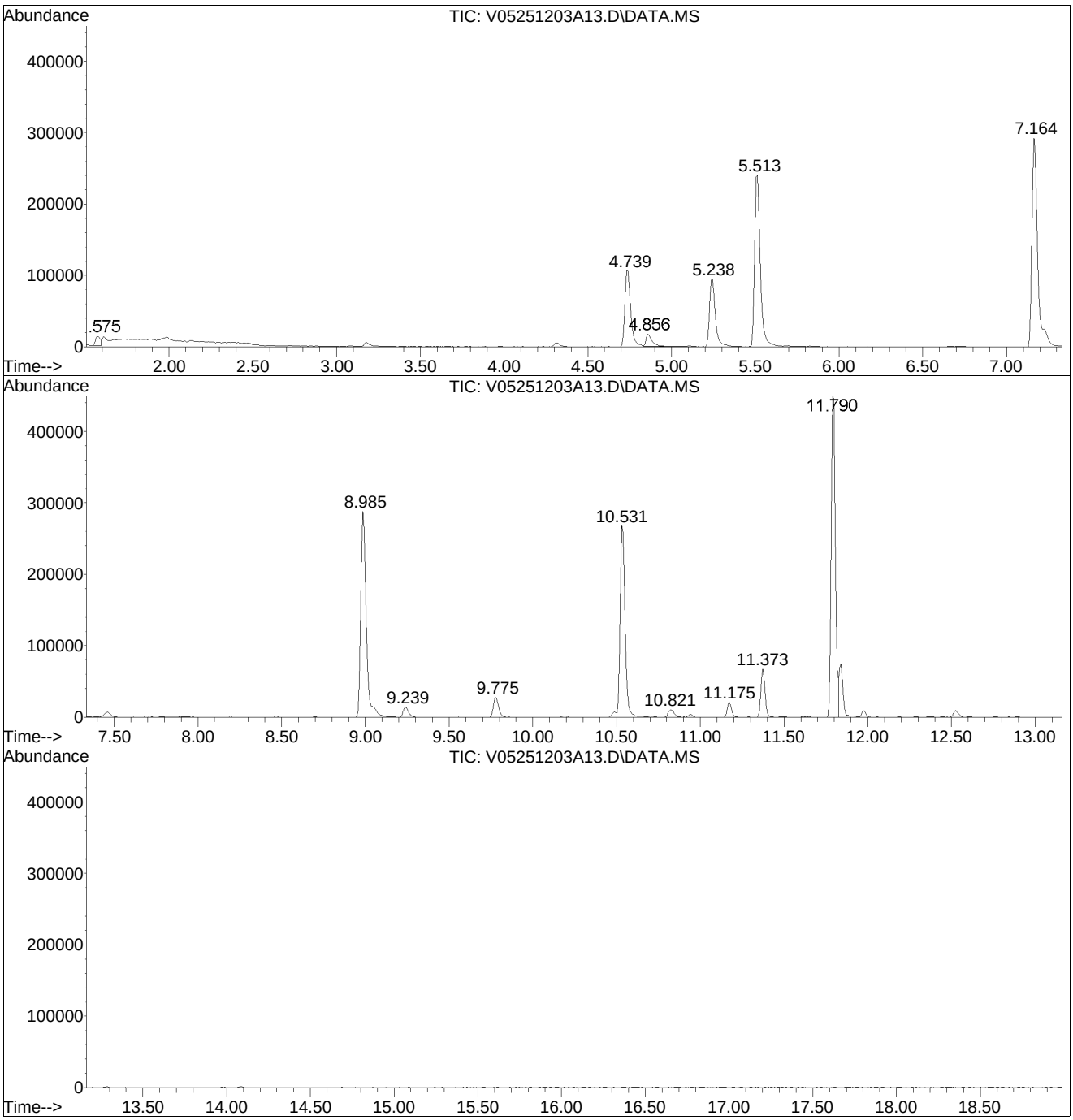
Sum of corrected areas: 4107305

LSC Report - Integrated Chromatogram

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A13.D
Acq On : 3 Dec 2025 2:05 pm
Operator : VOA105:BAD
Sample : L2575576-05,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 13 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A13.D
Acq On : 3 Dec 2025 2:05 pm
Operator : VOA105:BAD
Sample : L2575576-05,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 13 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A13.D
Acq On : 3 Dec 2025 2:05 pm
Operator : VOA105:BAD
Sample : L2575576-05,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 13 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

						Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A14.D
Acq On : 3 Dec 2025 2:30 pm
Operator : VOA105:BAD
Sample : L2575576-06,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 04 12:31:53 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.513	96	256073	10.000	ug/L	0.00
Standard Area 1 = 383158			Recovery = 66.83%			
59) Chlorobenzene-d5	8.985	117	213158	10.000	ug/L	0.00
Standard Area 1 = 313563			Recovery = 67.98%			
79) 1,4-Dichlorobenzene-d4	11.790	152	140871	10.000	ug/L	0.00
Standard Area 1 = 191277			Recovery = 73.65%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.739	113	75416	10.678	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.78%			
43) 1,2-Dichloroethane-d4	5.245	65	89395	10.104	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.04%			
60) Toluene-d8	7.164	98	238161	8.835	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.35%			
83) 4-Bromofluorobenzene	10.538	95	102770	8.504	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.04%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	d	
3) Chloromethane	1.609	50	435	N.D.		
4) Vinyl chloride	1.657	62	69	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.	d	
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.618	76	252	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.174	43	10208	7.814	ug/L	93
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	4.320	96	2198	0.317	ug/L	93
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A14.D
Acq On : 3 Dec 2025 2:30 pm
Operator : VOA105:BAD
Sample : L2575576-06,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 04 12:31:53 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	4.863	43	29283	15.197	ug/L #	70
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	5.111	78	1538	N.D.		
44) 1,2-Dichloroethane	5.323	62	470	N.D.		
48) Trichloroethene	5.697	95	247	N.D.		
50) Dibromomethane	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.228	92	11317	0.671	ug/L	93
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
70) 1,3-Dichloropropane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	8.703	43	64	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.048	91	11290	0.342	ug/L	100
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	9.239	106	7525	0.613	ug/L	98
77) o Xylene	9.775	106	13527	1.150	ug/L	93
78) Styrene	9.782	104	631	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	10.192	105	3708	0.097	ug/L	91
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	10.708	91	3160	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88) 4-Ethyltoluene	10.821	105	13964	0.376	ug/L	95
89) 2-Chlorotoluene	10.821	91	1626	N.D.		
90) 1,3,5-Trimethylbenzene	10.934	105	4273	0.134	ug/L	97
91) 1,2,3-Trichloropropane	0.000		0	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
93) 4-Chlorotoluene	0.000		0	N.D.	d	
94) tert-Butylbenzene	11.295	119	523	N.D.		

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A14.D
Acq On : 3 Dec 2025 2:30 pm
Operator : VOA105:BAD
Sample : L2575576-06,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 04 12:31:53 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	11.373	105	48967	1.603	ug/L	98
98) sec-Butylbenzene	11.486	105	1493	N.D.		
99) p-Isopropyltoluene	0.000		0	N.D.	d	
100) 1,3-Dichlorobenzene	0.000		0	N.D.		
101) 1,4-Dichlorobenzene	0.000		0	N.D.		
102) p-Diethylbenzene	12.073	119	418	N.D.		
103) n-Butylbenzene	11.981	91	1174	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
105) 1,2,4,5-Tetramethylben...	12.844	119	425	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
108) Hexachlorobutadiene	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
110) Naphthalene	13.976	128	522	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

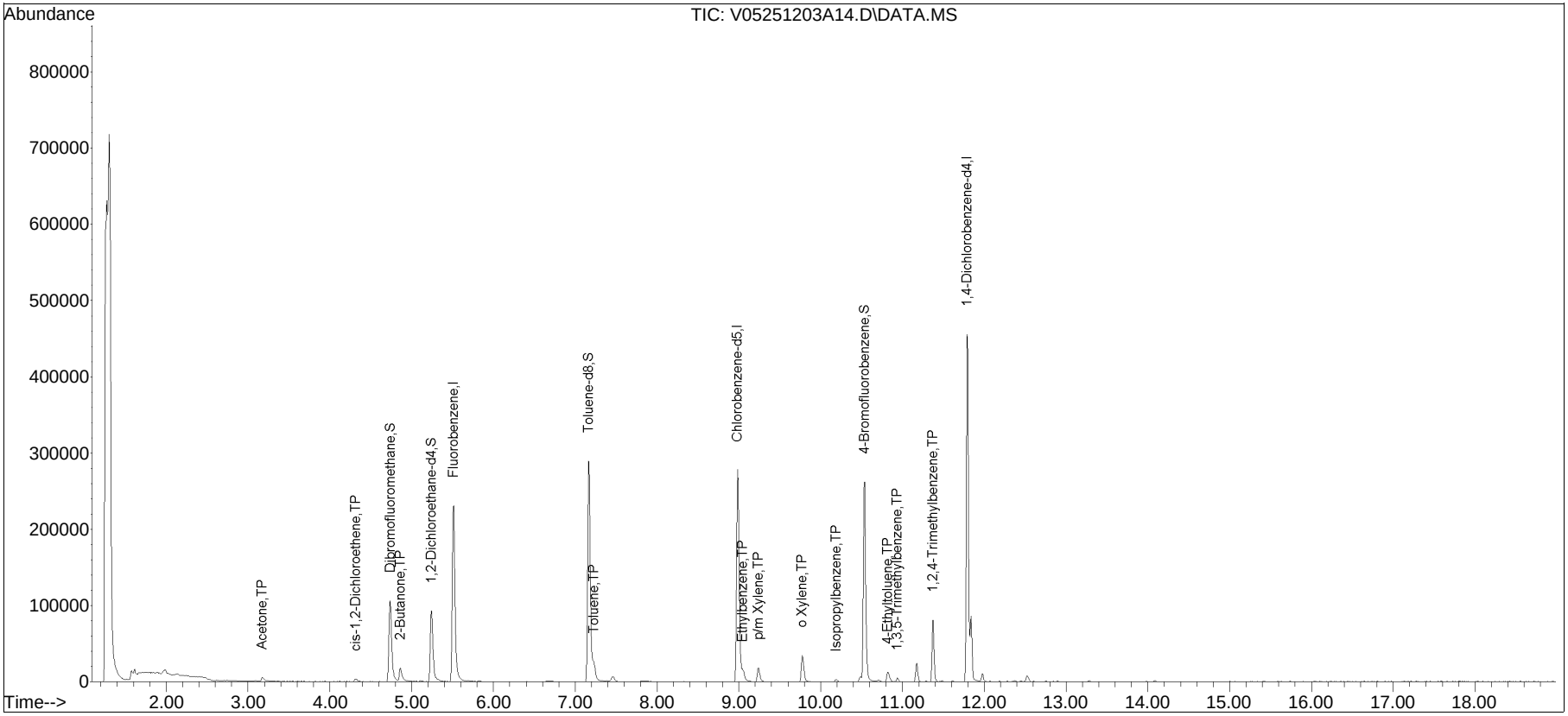
(#) = qualifier out of range (m) = manual integration (+) = signals summed

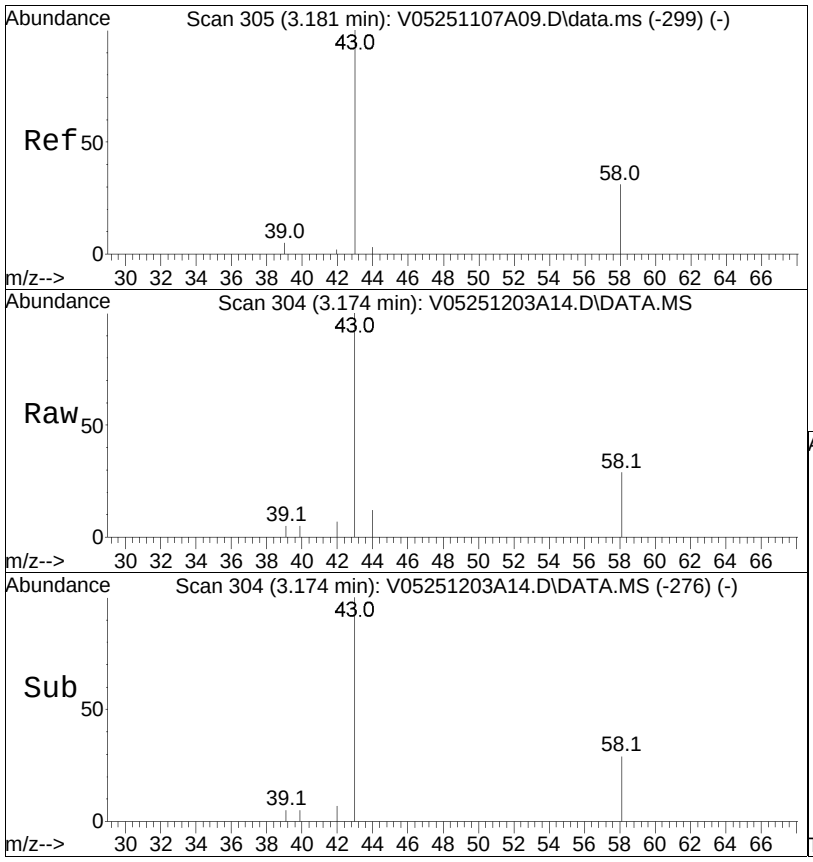
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A14.D
Acq On : 3 Dec 2025 2:30 pm
Operator : VOA105:BAD
Sample : L2575576-06,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 04 12:31:53 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox251203A01.D•

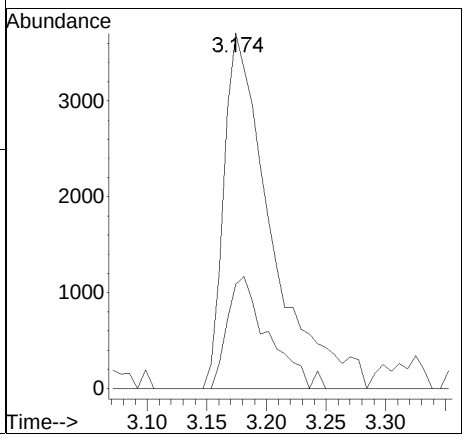


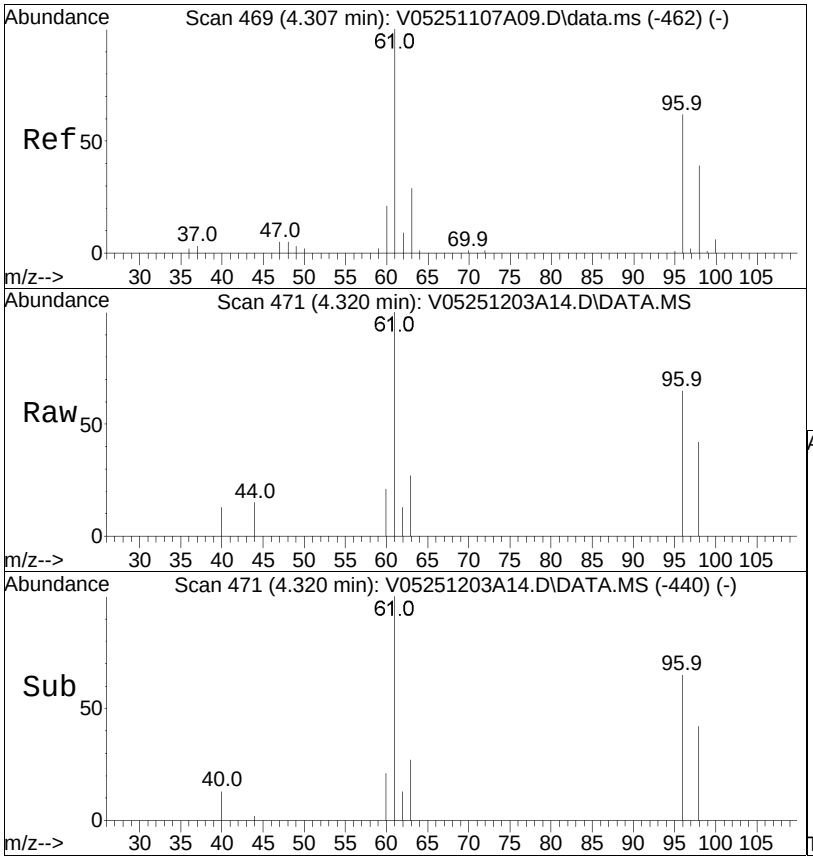


#17
Acetone
Concen: 7.81 ug/L
RT: 3.174 min Scan# 304
Delta R.T. -0.007 min
Lab File: V05251203A14.D
Acq: 3 Dec 2025 2:30 pm

Tgt Ion: 43 Resp: 10208

Ion	Ratio	Lower	Upper
43	100		
58	27.4	24.9	37.3

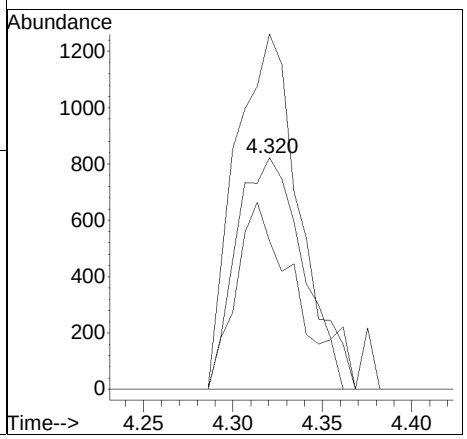


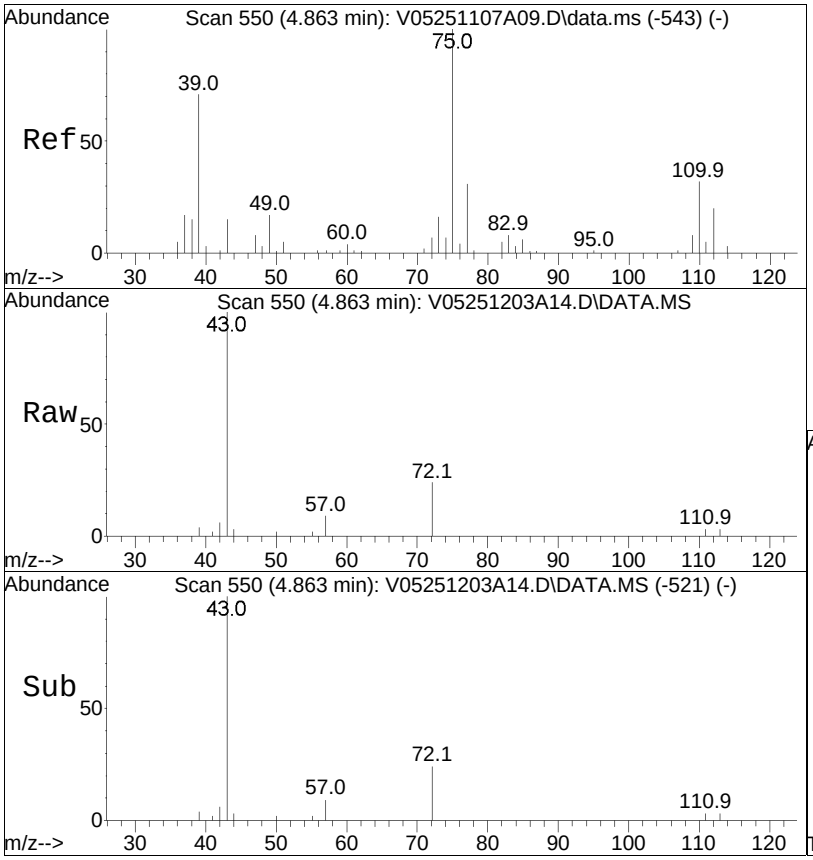


#28
cis-1,2-Dichloroethene
Concen: 0.32 ug/L
RT: 4.320 min Scan# 471
Delta R.T. 0.013 min
Lab File: V05251203A14.D
Acq: 3 Dec 2025 2:30 pm

Tgt Ion: 96 Resp: 2198

Ion	Ratio	Lower	Upper
96	100		
61	143.3	122.5	183.7
98	67.4	50.2	75.4

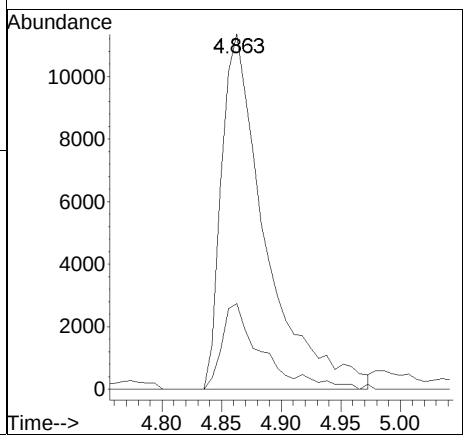


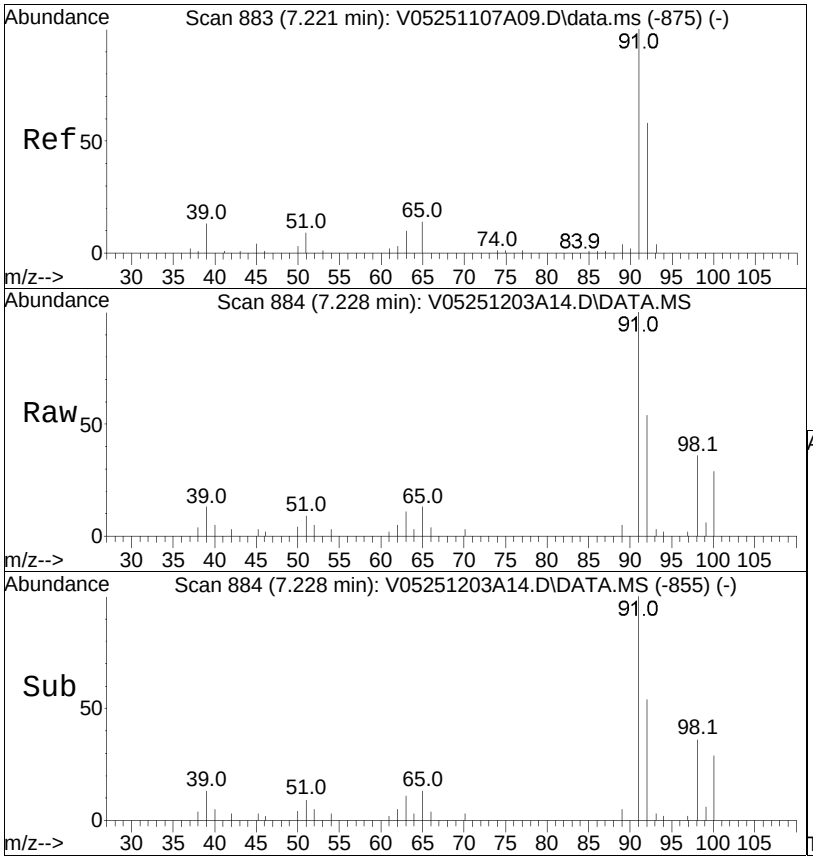


#39
2-Butanone
Concen: 15.20 ug/L
RT: 4.863 min Scan# 550
Delta R.T. -0.000 min
Lab File: V05251203A14.D
Acq: 3 Dec 2025 2:30 pm

Tgt Ion: 43 Resp: 29283

Ion	Ratio	Lower	Upper
43	100		
72	22.5	33.3	49.9#

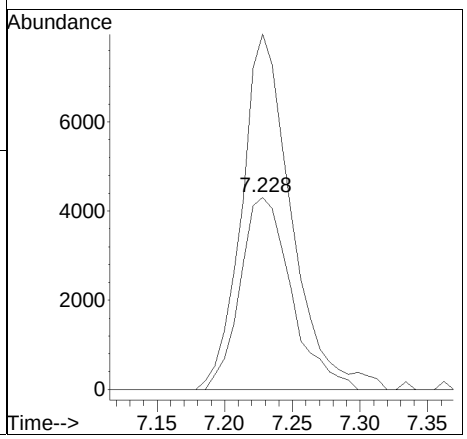


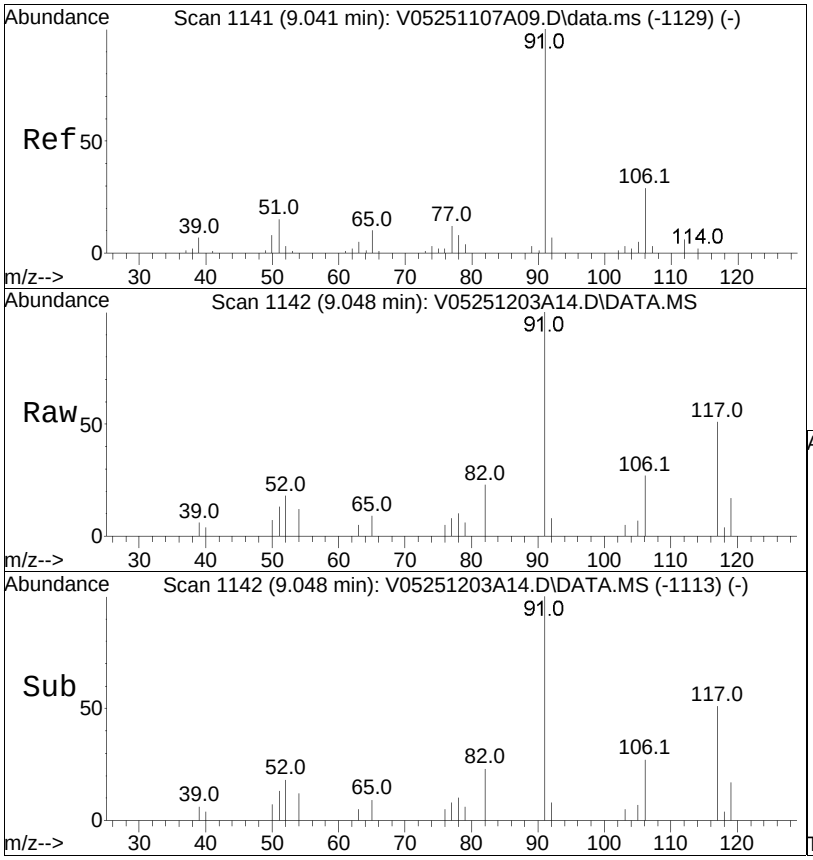


#61
Toluene
Concen: 0.67 ug/L
RT: 7.228 min Scan# 884
Delta R.T. 0.007 min
Lab File: V05251203A14.D
Acq: 3 Dec 2025 2:30 pm

Tgt Ion: 92 Resp: 11317

Ion	Ratio	Lower	Upper
92	100		
91	180.3	136.6	205.0

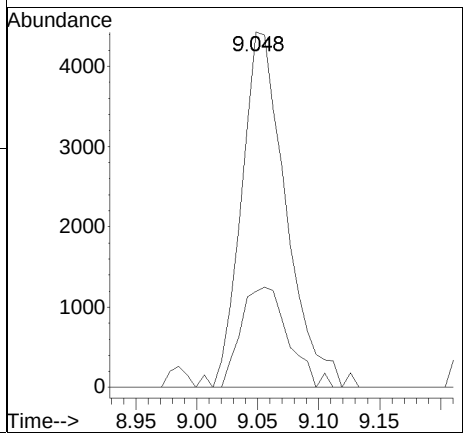


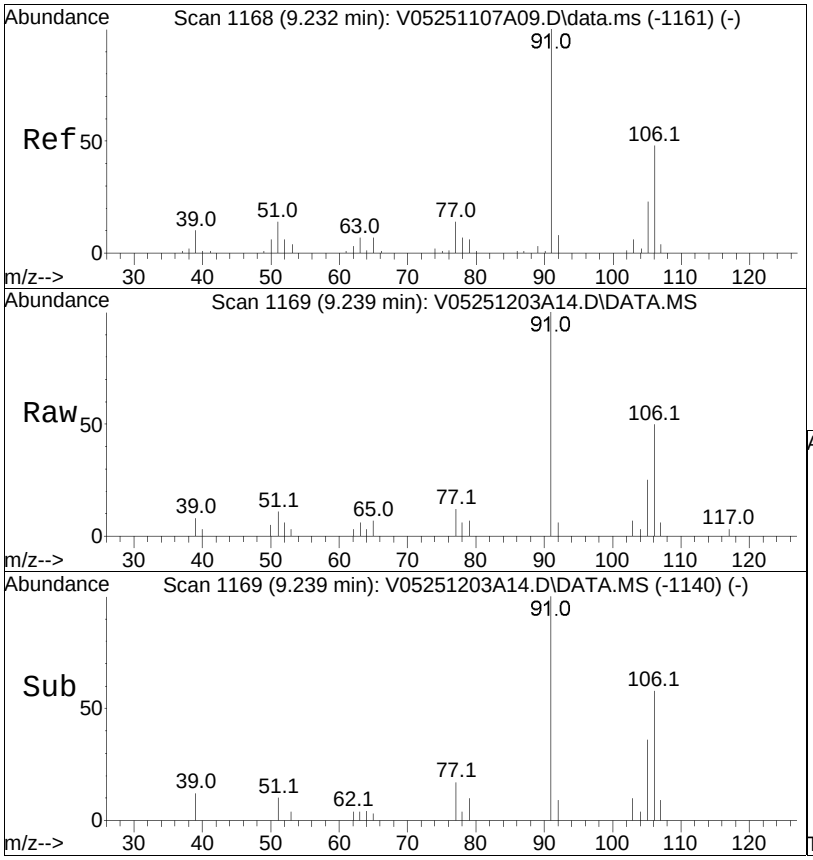


#74
Ethylbenzene
Concen: 0.34 ug/L
RT: 9.048 min Scan# 1142
Delta R.T. 0.007 min
Lab File: V05251203A14.D
Acq: 3 Dec 2025 2:30 pm

Tgt Ion: 91 Resp: 11290

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.2	36.2

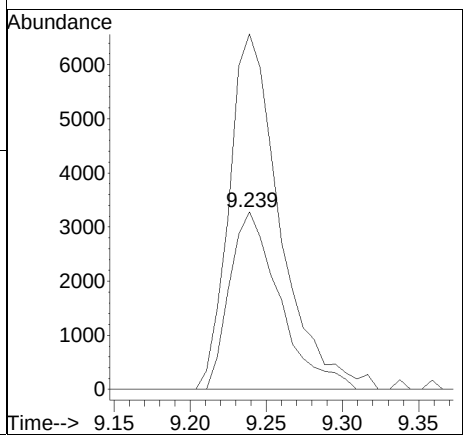


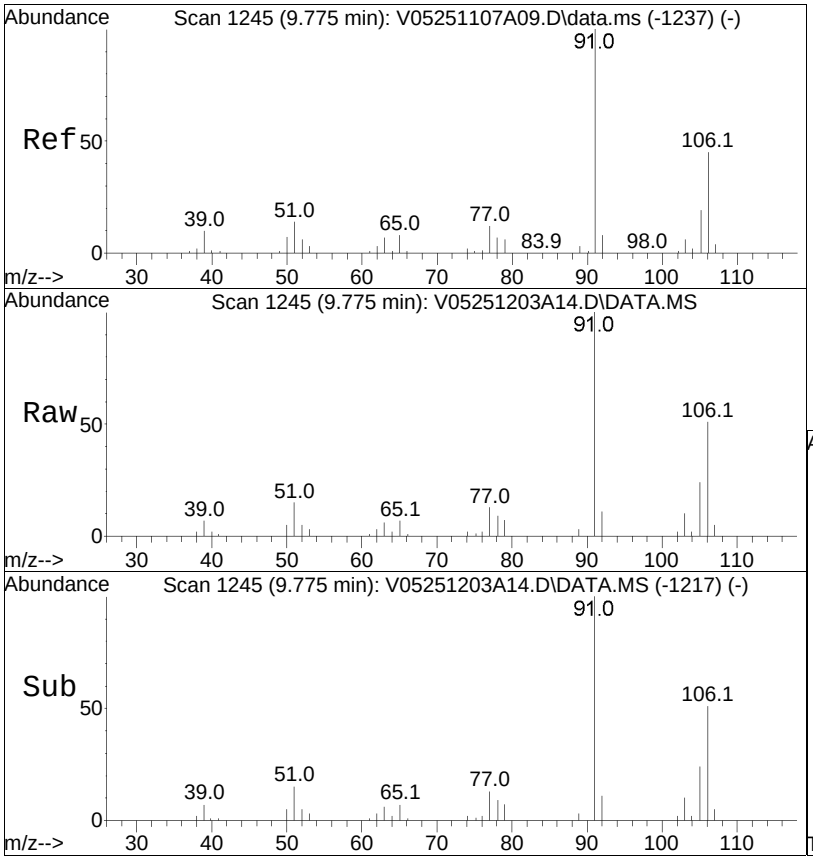


#76
p/m Xylene
Concen: 0.61 ug/L
RT: 9.239 min Scan# 1169
Delta R.T. 0.007 min
Lab File: V05251203A14.D
Acq: 3 Dec 2025 2:30 pm

Tgt Ion:106 Resp: 7525

Ion	Ratio	Lower	Upper
106	100		
91	203.5	164.9	247.3

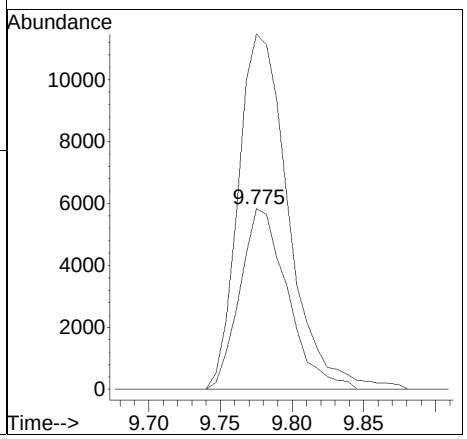


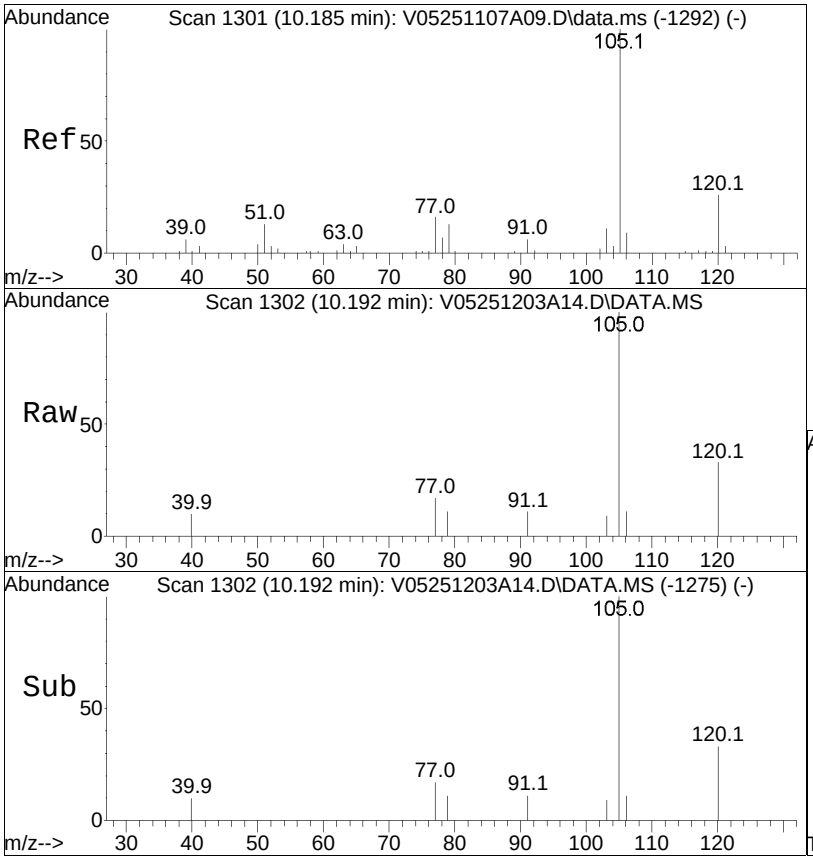


#77
o Xylene
Concen: 1.15 ug/L
RT: 9.775 min Scan# 1245
Delta R.T. 0.000 min
Lab File: V05251203A14.D
Acq: 3 Dec 2025 2:30 pm

Tgt Ion:106 Resp: 13527

Ion	Ratio	Lower	Upper
106	100		
91	207.5	174.7	262.1

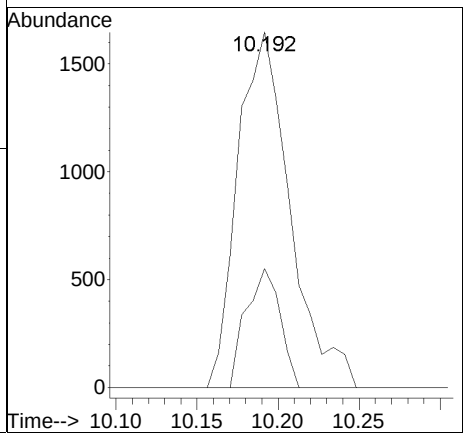


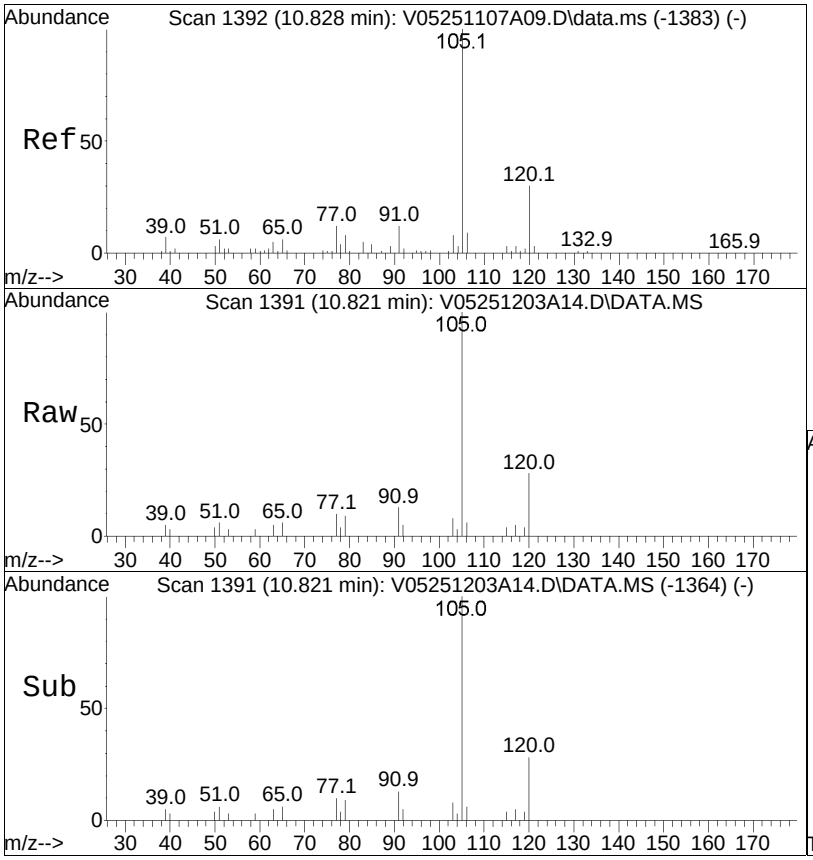


#82
Isopropylbenzene
Concen: 0.10 ug/L
RT: 10.192 min Scan# 1302
Delta R.T. 0.007 min
Lab File: V05251203A14.D
Acq: 3 Dec 2025 2:30 pm

Tgt Ion:105 Resp: 3708

Ion	Ratio	Lower	Upper
105	100		
120	21.7	6.1	46.1

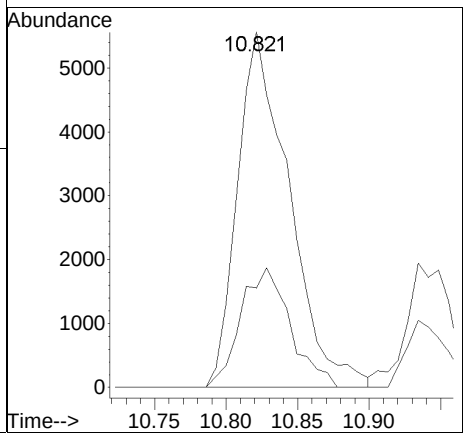


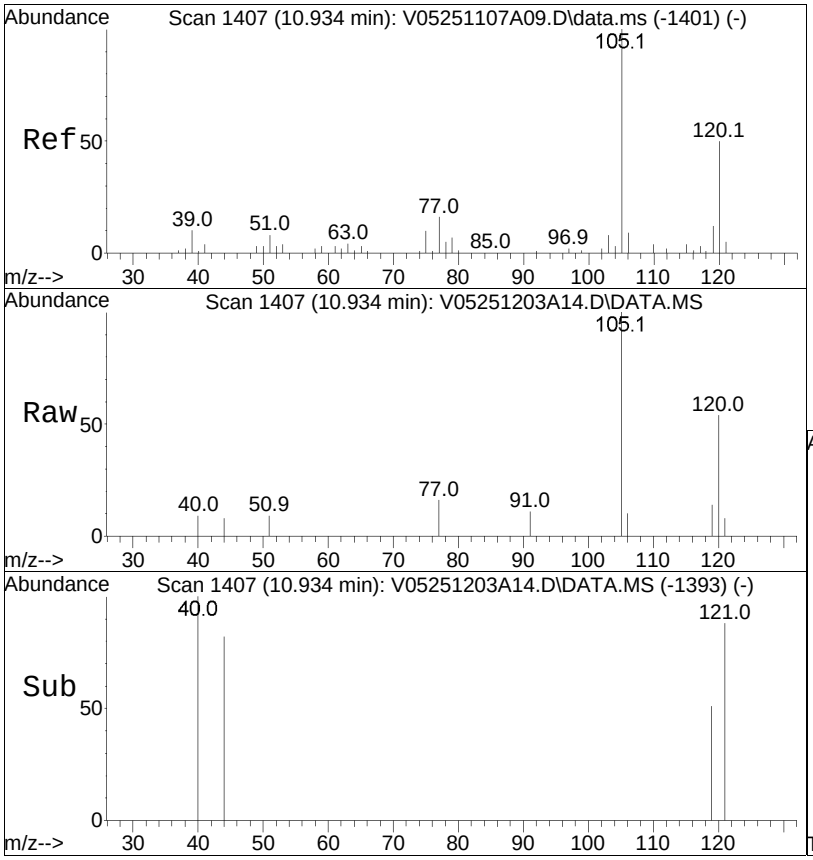


#88
4-Ethyltoluene
Concen: 0.38 ug/L
RT: 10.821 min Scan# 1391
Delta R.T. -0.007 min
Lab File: V05251203A14.D
Acq: 3 Dec 2025 2:30 pm

Tgt Ion:105 Resp: 13964

Ion	Ratio	Lower	Upper
105	100		
120	32.3	19.2	40.0

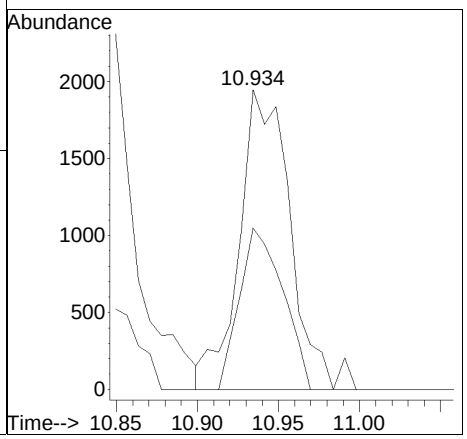


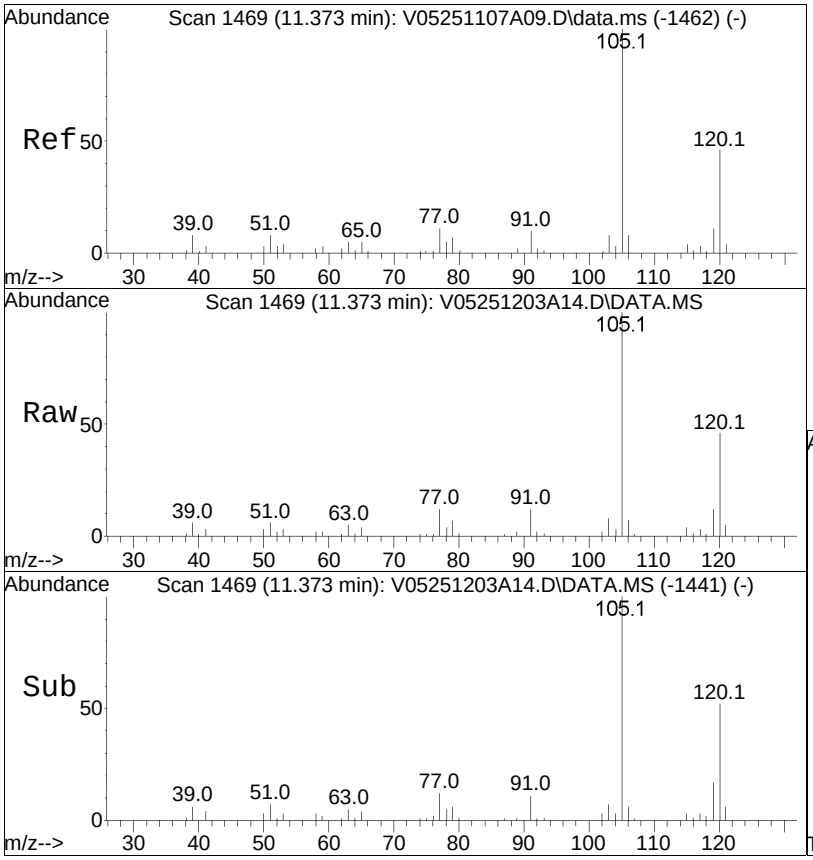


#90
1,3,5-Trimethylbenzene
Concen: 0.13 ug/L
RT: 10.934 min Scan# 1407
Delta R.T. 0.000 min
Lab File: V05251203A14.D
Acq: 3 Dec 2025 2:30 pm

Tgt Ion:105 Resp: 4273

Ion	Ratio	Lower	Upper
105	100		
120	45.8	38.5	57.7

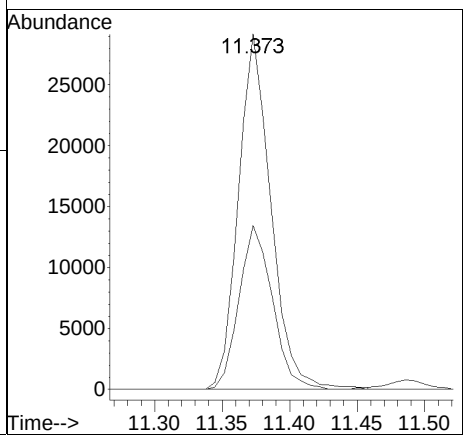




#97
1,2,4-Trimethylbenzene
Concen: 1.60 ug/L
RT: 11.373 min Scan# 1469
Delta R.T. -0.000 min
Lab File: V05251203A14.D
Acq: 3 Dec 2025 2:30 pm

Tgt Ion:105 Resp: 48967

Ion	Ratio	Lower	Upper
105	100		
120	47.3	36.6	54.8



Manual Integration Report

Data Path	: K:\VOA105\2025\251203A\	QMethod	: V105_251107A_8260.m
Data File	: V05251203A14.D	Operator	: VOA105:BAD
Date Inj'd	: 12/3/2025 2:30 pm	Instrument	: VOA105
Sample	: L2575576-06,31,10,10,,A	Quant Date	: 12/4/2025 12:15 pm

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

LSC Area Percent Report

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A14.D
Acq On : 3 Dec 2025 2:30 pm
Operator : VOA105:BAD
Sample : L2575576-06,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 14 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V05251203A14.D\DATA.MS

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.739	525	532	546	rBV	106090	257576	32.76%	6.146%
2	4.863	546	550	565	rVB	17429	42285	5.38%	1.009%
3	5.238	596	602	624	rBV	93308	224616	28.57%	5.359%
4	5.513	633	641	663	rBV	231089	548093	69.72%	13.077%
5	7.164	868	875	902	rBV	289486	692274	88.06%	16.517%
6	8.985	1126	1133	1160	rBV	278403	647057	82.31%	15.438%
7	9.239	1164	1169	1182	rVB	18286	39379	5.01%	0.940%
8	9.775	1239	1245	1261	rBB	34682	75465	9.60%	1.801%
9	10.538	1338	1351	1367	rBV	261948	543155	69.09%	12.959%
10	10.821	1385	1391	1402	rBV2	13046	30340	3.86%	0.724%
11	11.175	1435	1441	1451	rBB	24197	43218	5.50%	1.031%
12	11.373	1463	1469	1479	rBV	81011	132942	16.91%	3.172%
13	11.790	1522	1528	1533	rBV	455551	786134	100.00%	18.757%
14	11.840	1533	1535	1549	rVV	86189	128695	16.37%	3.071%

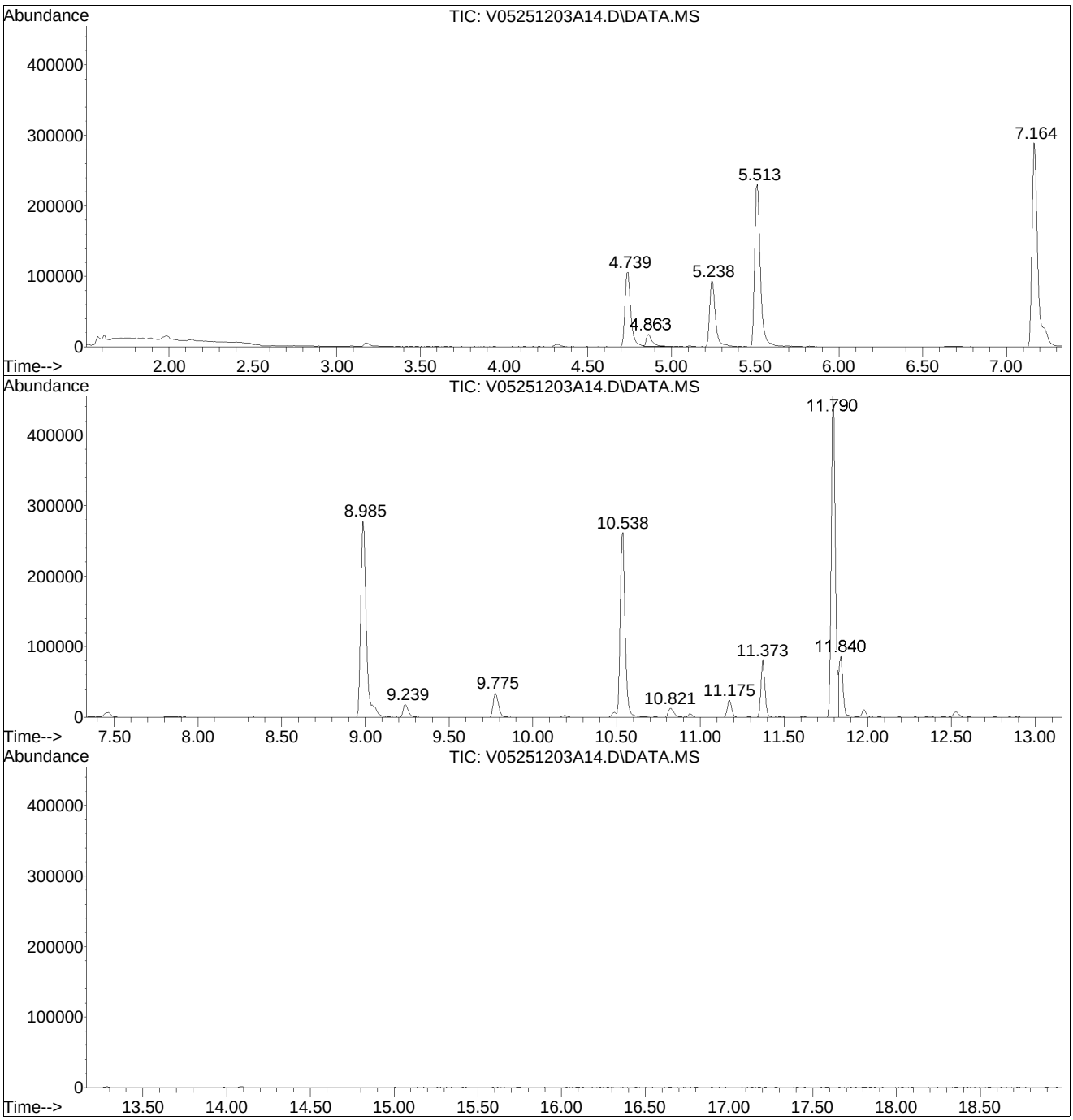
Sum of corrected areas: 4191229

LSC Report - Integrated Chromatogram

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A14.D
Acq On : 3 Dec 2025 2:30 pm
Operator : VOA105:BAD
Sample : L2575576-06,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 14 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A14.D
Acq On : 3 Dec 2025 2:30 pm
Operator : VOA105:BAD
Sample : L2575576-06,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 14 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A14.D
Acq On : 3 Dec 2025 2:30 pm
Operator : VOA105:BAD
Sample : L2575576-06,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 14 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

						Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A15.D
Acq On : 3 Dec 2025 2:56 pm
Operator : VOA105:BAD
Sample : L2575576-07,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 04 12:32:12 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.513	96	236365	10.000 ug/L	0.00
Standard Area 1 = 383158			Recovery =	61.69%	
59) Chlorobenzene-d5	8.985	117	200327	10.000 ug/L	0.00
Standard Area 1 = 313563			Recovery =	63.89%	
79) 1,4-Dichlorobenzene-d4	11.797	152	127913	10.000 ug/L	0.00
Standard Area 1 = 191277			Recovery =	66.87%	
System Monitoring Compounds					
36) Dibromofluoromethane	4.739	113	73342	11.250 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	112.50%	
43) 1,2-Dichloroethane-d4	5.245	65	84798	10.384 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.84%	
60) Toluene-d8	7.164	98	220496	8.704 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	87.04%	
83) 4-Bromofluorobenzene	10.531	95	97180	8.856 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	88.56%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D. d	
3) Chloromethane	1.609	50	213	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	1.925	94	62	0.333 ug/L #	3
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.625	76	238	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.201	43	62	N.D.	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
25) Acrylonitrile	0.000		0	N.D.	
27) Vinyl acetate	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	0.000		0	N.D.	
29) 2,2-Dichloropropane	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
32) Chloroform	0.000		0	N.D.	

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A15.D
Acq On : 3 Dec 2025 2:56 pm
Operator : VOA105:BAD
Sample : L2575576-07,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 04 12:32:12 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	0.000		0		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
48) Trichloroethene	5.619	95	130		N.D.	
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	0.000		0		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	8.992	91	368		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	0.000		0		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	0.000		0		N.D.	
84) Bromobenzene	0.000		0		N.D.	
85) n-Propylbenzene	10.531	91	167		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88) 4-Ethyltoluene	0.000		0		N.D.	
89) 2-Chlorotoluene	0.000		0		N.D.	
90) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
91) 1,2,3-Trichloropropane	11.068	75	65		N.D.	
92) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
93) 4-Chlorotoluene	0.000		0		N.D.	
94) tert-Butylbenzene	0.000		0		N.D.	

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A15.D
Acq On : 3 Dec 2025 2:56 pm
Operator : VOA105:BAD
Sample : L2575576-07,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 04 12:32:12 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
98) sec-Butylbenzene	0.000		0		N.D.	
99) p-Isopropyltoluene	0.000		0		N.D.	
100) 1,3-Dichlorobenzene	11.804	146	68		N.D.	
101) 1,4-Dichlorobenzene	11.804	146	68		N.D.	
102) p-Diethylbenzene	0.000		0		N.D.	
103) n-Butylbenzene	0.000		0		N.D.	
104) 1,2-Dichlorobenzene	0.000		0		N.D.	
105) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108) Hexachlorobutadiene	0.000		0		N.D.	
109) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
110) Naphthalene	0.000		0		N.D.	
111) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

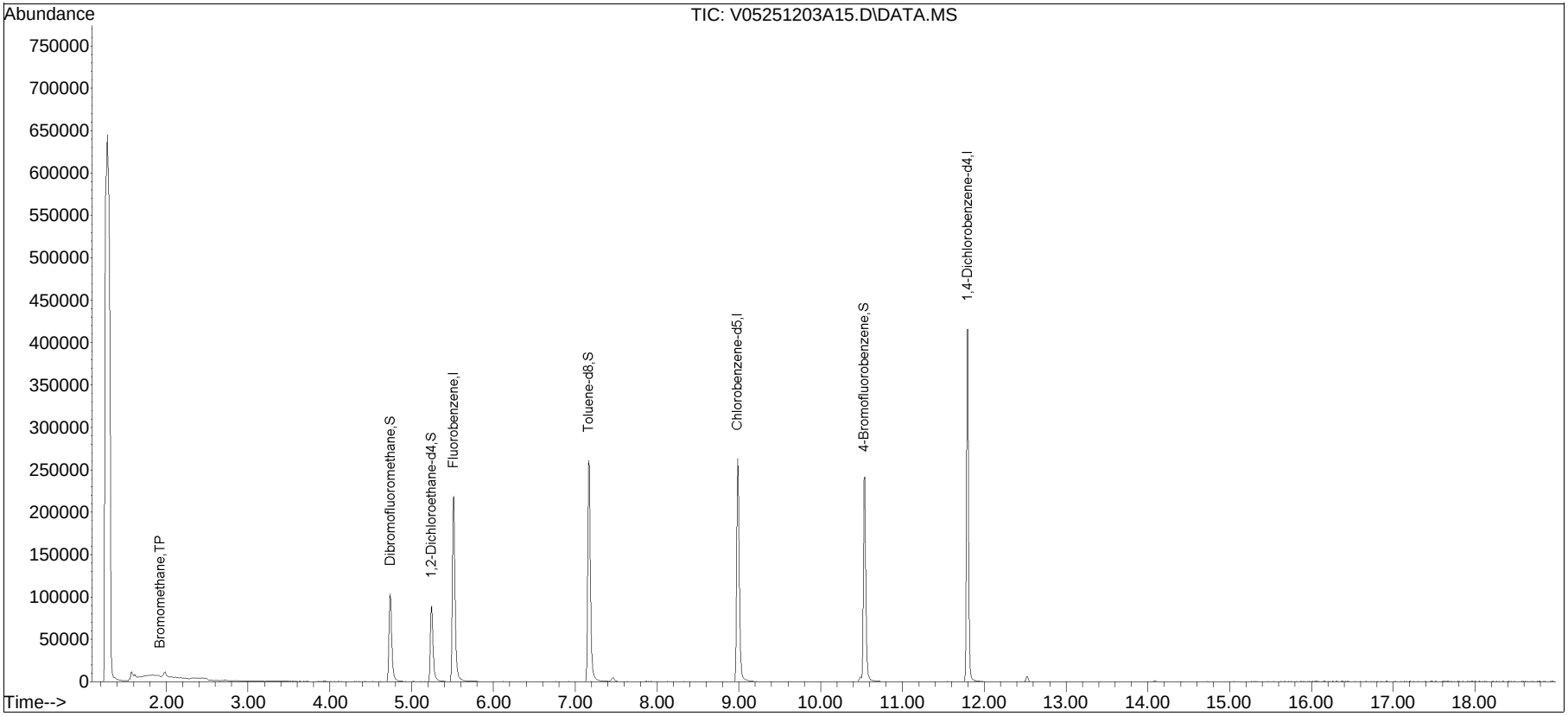
(#) = qualifier out of range (m) = manual integration (+) = signals summed

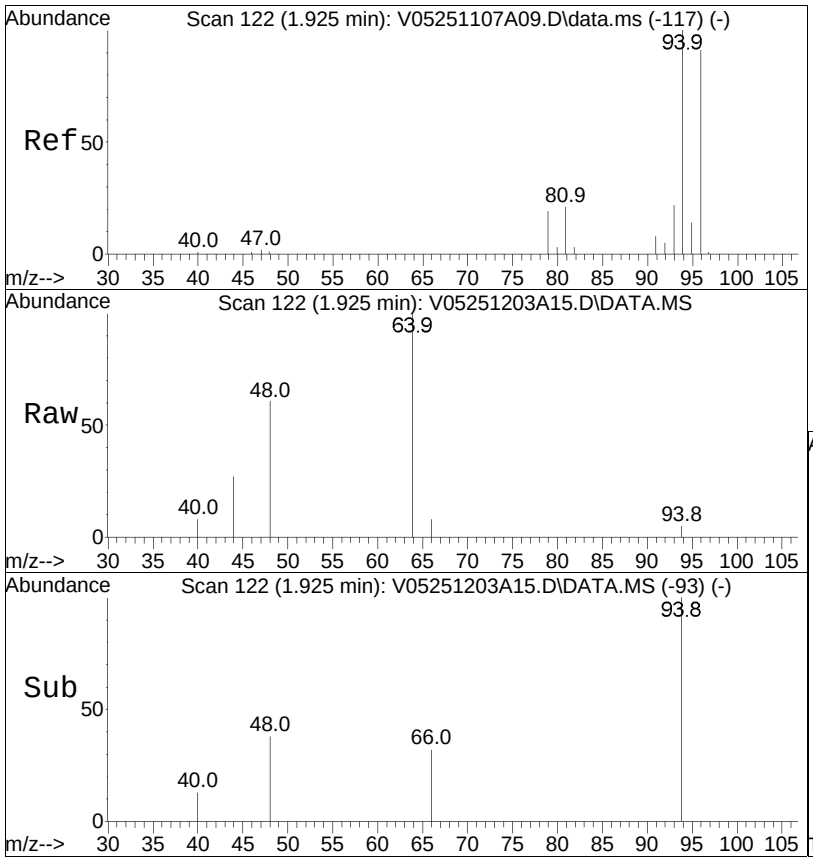
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A15.D
Acq On : 3 Dec 2025 2:56 pm
Operator : VOA105:BAD
Sample : L2575576-07,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 04 12:32:12 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox251203A01.D•

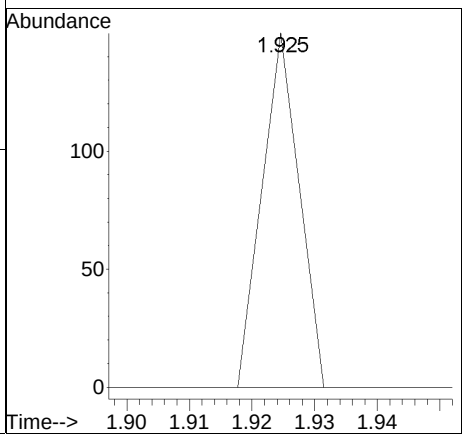




#5
Bromomethane
Concen: 0.33 ug/L
RT: 1.925 min Scan# 122
Delta R.T. -0.000 min
Lab File: V05251203A15.D
Acq: 3 Dec 2025 2:56 pm

Tgt Ion: 94 Resp: 62

Ion	Ratio	Lower	Upper
94	100		
96	0.0	73.9	113.9#



Manual Integration Report

Data Path	: K:\VOA105\2025\251203A\	QMethod	: V105_251107A_8260.m
Data File	: V05251203A15.D	Operator	: VOA105:BAD
Date Inj'd	: 12/3/2025 2:56 pm	Instrument	: VOA105
Sample	: L2575576-07,31,10,10,,A	Quant Date	: 12/4/2025 12:15 pm

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

LSC Area Percent Report

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A15.D
Acq On : 3 Dec 2025 2:56 pm
Operator : VOA105:BAD
Sample : L2575576-07,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V05251203A15.D\DATA.MS

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.575	63	71	75	rBV	11043	23983	3.35%	0.705%
2	4.739	525	532	558	rBV	103752	250333	35.01%	7.357%
3	5.245	594	603	621	rBV	89276	211943	29.64%	6.229%
4	5.513	633	641	666	rBV	218755	506898	70.90%	14.898%
5	7.164	869	875	899	rBV	261420	595999	83.36%	17.516%
6	8.985	1126	1133	1157	rBV	263600	586132	81.98%	17.226%
7	10.538	1338	1351	1374	rBV	241936	512296	71.65%	15.056%
8	11.797	1520	1529	1546	rBV	416247	714970	100.00%	21.013%

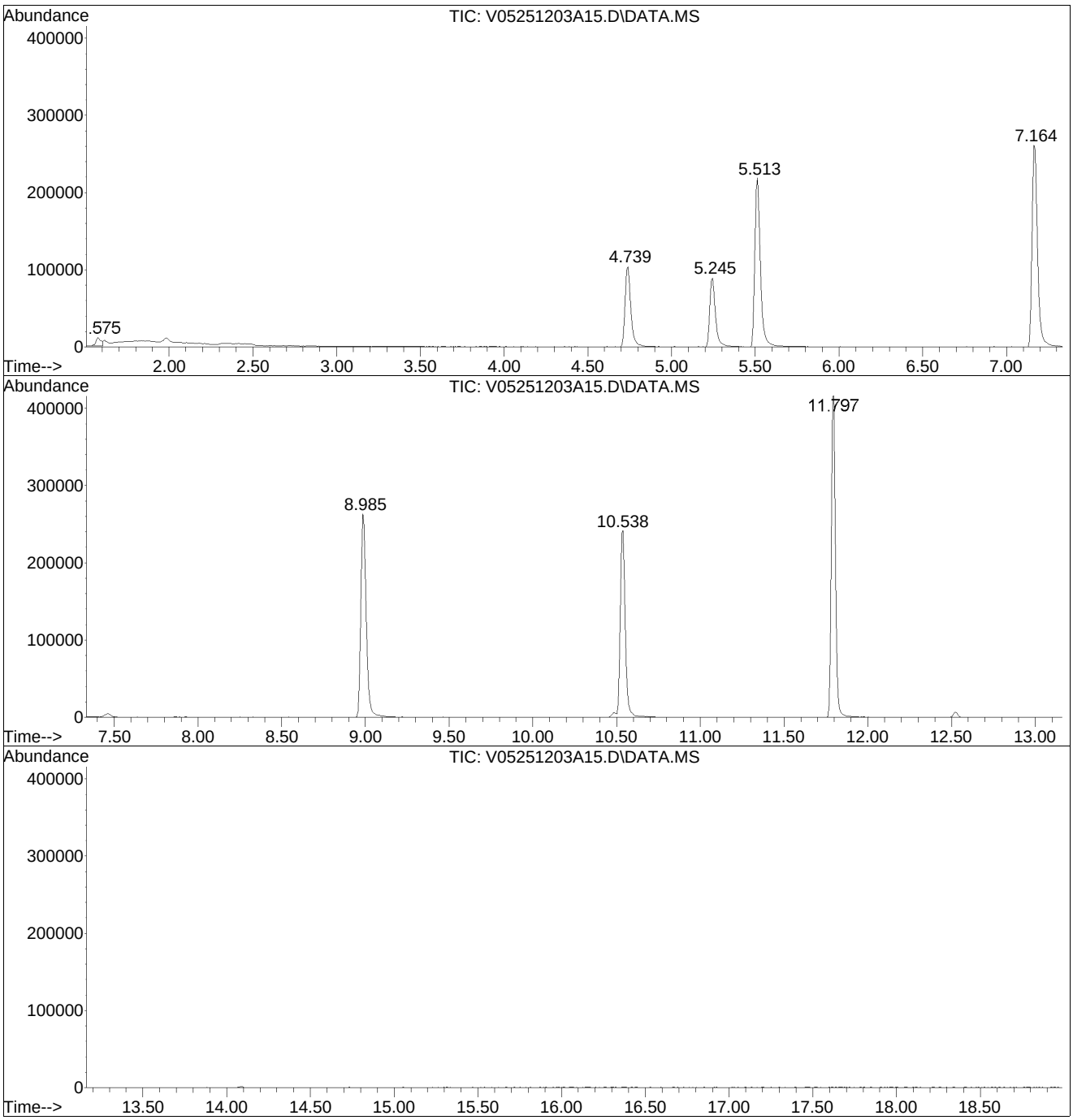
Sum of corrected areas: 3402554

LSC Report - Integrated Chromatogram

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A15.D
Acq On : 3 Dec 2025 2:56 pm
Operator : VOA105:BAD
Sample : L2575576-07,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 15 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A15.D
Acq On : 3 Dec 2025 2:56 pm
Operator : VOA105:BAD
Sample : L2575576-07,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 15 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A15.D
Acq On : 3 Dec 2025 2:56 pm
Operator : VOA105:BAD
Sample : L2575576-07,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 15 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

						--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A16.D
Acq On : 3 Dec 2025 3:21 pm
Operator : VOA105:BAD
Sample : L2575576-08,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 04 12:33:30 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.513	96	237780	10.000	ug/L	0.00
Standard Area 1 = 383158			Recovery = 62.06%			
59) Chlorobenzene-d5	8.984	117	198649	10.000	ug/L	0.00
Standard Area 1 = 313563			Recovery = 63.35%			
79) 1,4-Dichlorobenzene-d4	11.797	152	128716	10.000	ug/L	0.00
Standard Area 1 = 191277			Recovery = 67.29%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.739	113	72163	11.003	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.03%			
43) 1,2-Dichloroethane-d4	5.245	65	84849	10.328	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.28%			
60) Toluene-d8	7.164	98	222708	8.865	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.65%			
83) 4-Bromofluorobenzene	10.538	95	94636	8.570	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	d	
3) Chloromethane	1.609	50	256	N.D.		
4) Vinyl chloride	1.657	62	3812	0.468	ug/L #	3
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.	d	
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.618	76	485	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.167	43	21682	17.875	ug/L	97
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	4.313	96	10098	1.568	ug/L	89
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	4.567	83	147	N.D.		

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A16.D
Acq On : 3 Dec 2025 3:21 pm
Operator : VOA105:BAD
Sample : L2575576-08,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 04 12:33:30 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	4.862	43	19632	10.972	ug/L #	71
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	0.000		0	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	5.703	95	2227	0.340	ug/L	87
50) Dibromomethane	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.234	92	3059	0.195	ug/L	97
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
70) 1,3-Dichloropropane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D. d		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.069	91	238	N.D.		
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	9.796	106	65	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	10.531	91	95	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88) 4-Ethyltoluene	0.000		0	N.D.		
89) 2-Chlorotoluene	0.000		0	N.D.		
90) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
91) 1,2,3-Trichloropropane	0.000		0	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
93) 4-Chlorotoluene	0.000		0	N.D.		
94) tert-Butylbenzene	0.000		0	N.D.		

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A16.D
Acq On : 3 Dec 2025 3:21 pm
Operator : VOA105:BAD
Sample : L2575576-08,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 04 12:33:30 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	11.379	105	604		N.D.	
98)	sec-Butylbenzene	11.379	105	604		N.D.	
99)	p-Isopropyltoluene	0.000		0		N.D.	
100)	1,3-Dichlorobenzene	11.726	146	425		N.D.	
101)	1,4-Dichlorobenzene	11.726	146	425		N.D.	
102)	p-Diethylbenzene	0.000		0		N.D.	
103)	n-Butylbenzene	0.000		0		N.D.	
104)	1,2-Dichlorobenzene	0.000		0		N.D.	
105)	1,2,4,5-Tetramethylben...	0.000		0		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108)	Hexachlorobutadiene	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
110)	Naphthalene	0.000		0		N.D.	
111)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

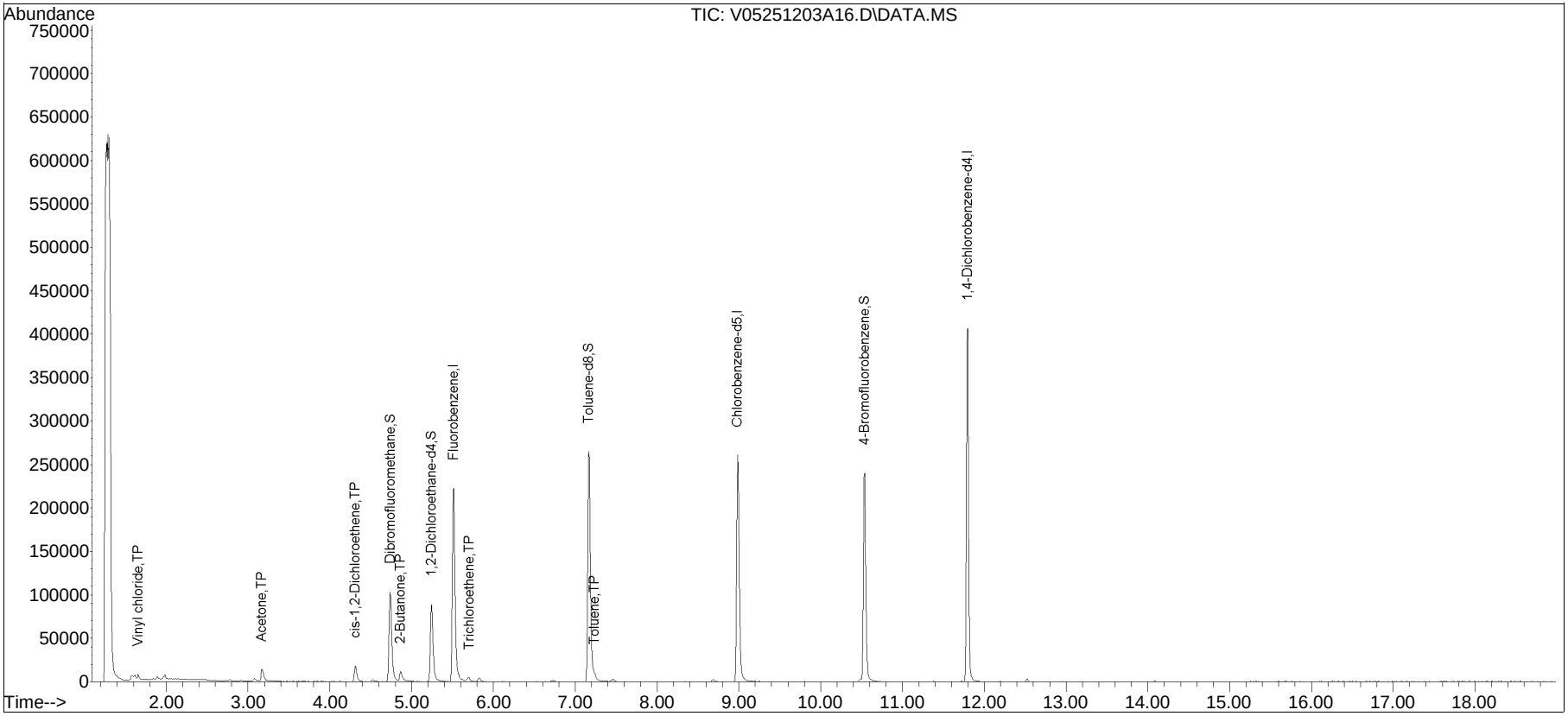
(#) = qualifier out of range (m) = manual integration (+) = signals summed

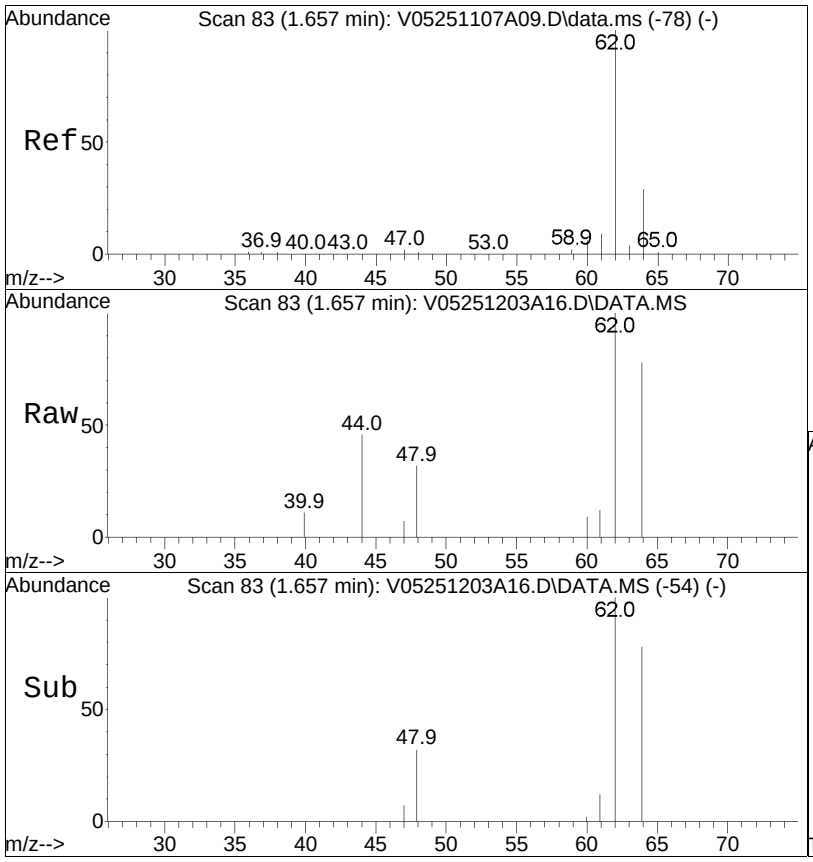
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A16.D
Acq On : 3 Dec 2025 3:21 pm
Operator : VOA105:BAD
Sample : L2575576-08,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 04 12:33:30 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox251203A01.D•

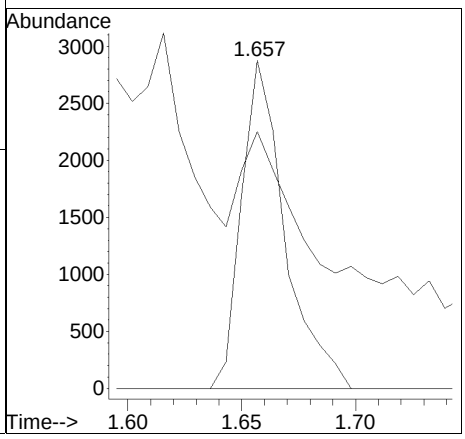


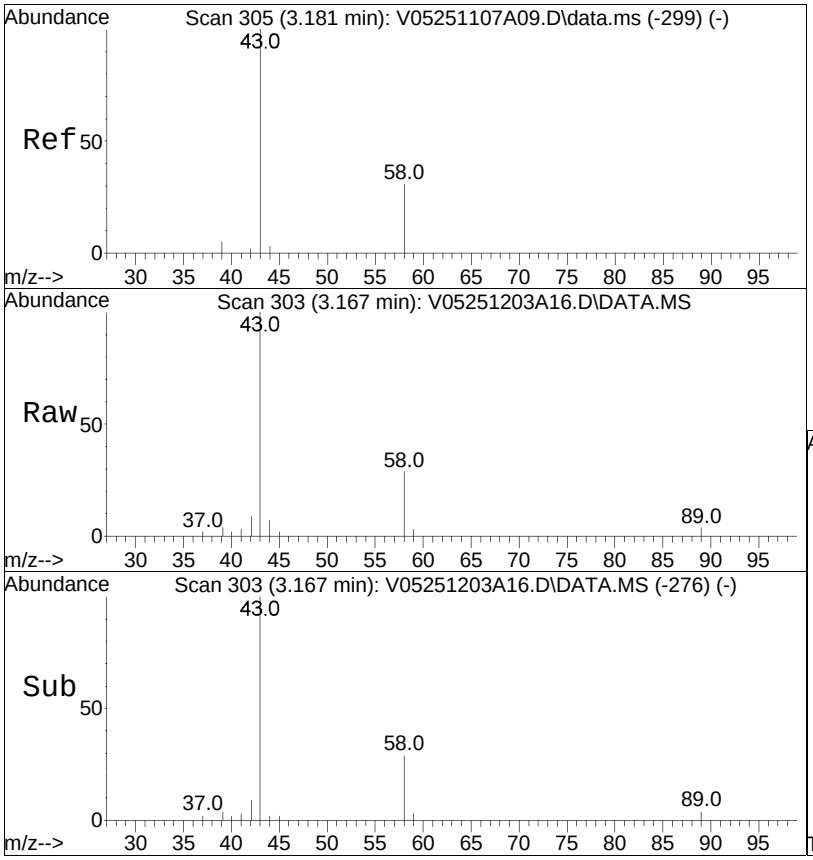


#4
Vinyl chloride
Concen: 0.47 ug/L
RT: 1.657 min Scan# 83
Delta R.T. -0.000 min
Lab File: V05251203A16.D
Acq: 3 Dec 2025 3:21 pm

Tgt Ion: 62 Resp: 3812

Ion	Ratio	Lower	Upper
62	100		
64	82.5	9.9	49.9#

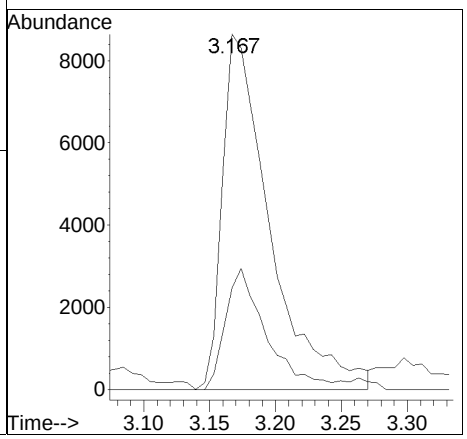


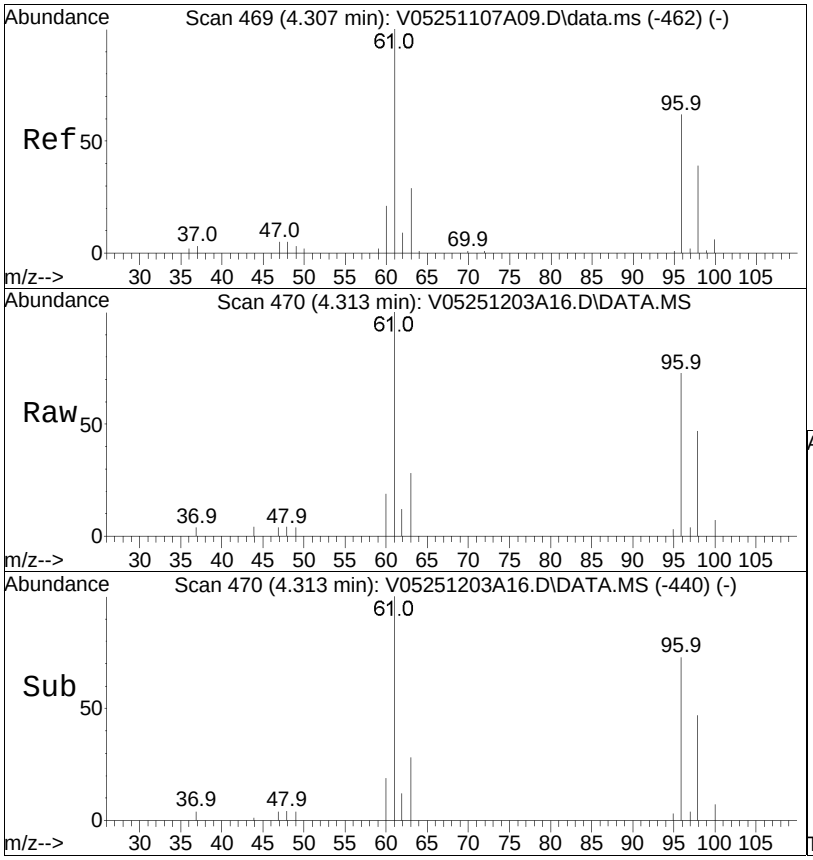


#17
Acetone
Concen: 17.87 ug/L
RT: 3.167 min Scan# 303
Delta R.T. -0.014 min
Lab File: V05251203A16.D
Acq: 3 Dec 2025 3:21 pm

Tgt Ion: 43 Resp: 21682

Ion	Ratio	Lower	Upper
43	100		
58	29.2	24.9	37.3

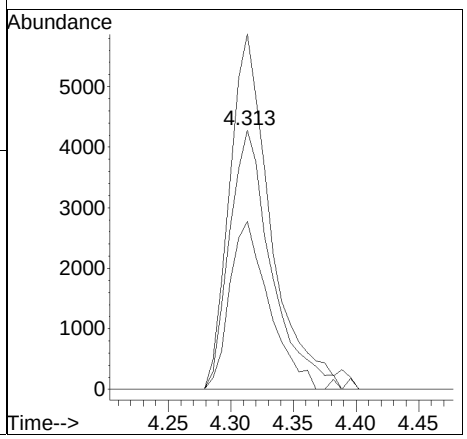


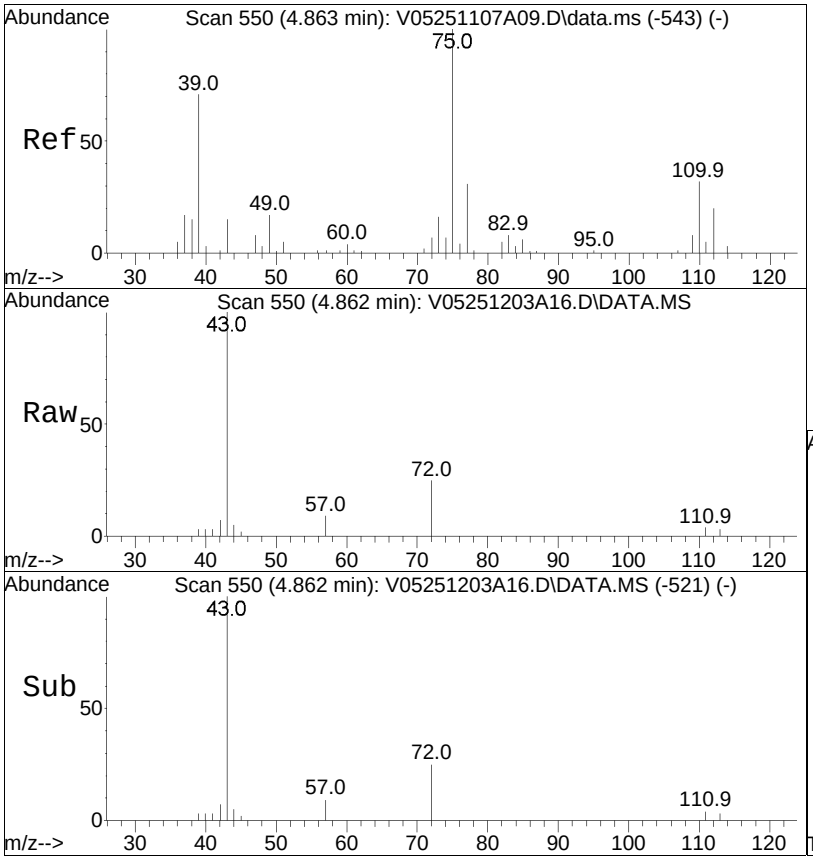


#28
cis-1,2-Dichloroethene
Concen: 1.57 ug/L
RT: 4.313 min Scan# 470
Delta R.T. 0.006 min
Lab File: V05251203A16.D
Acq: 3 Dec 2025 3:21 pm

Tgt Ion: 96 Resp: 10098

Ion	Ratio	Lower	Upper
96	100		
61	134.8	122.5	183.7
98	60.5	50.2	75.4

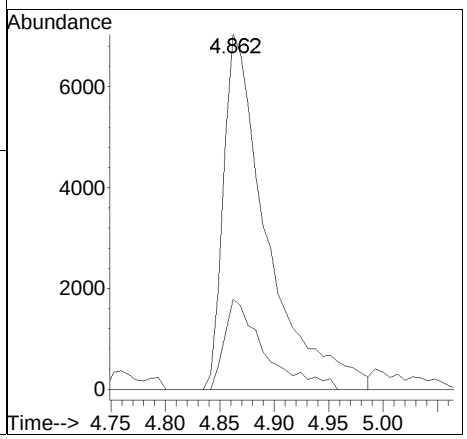


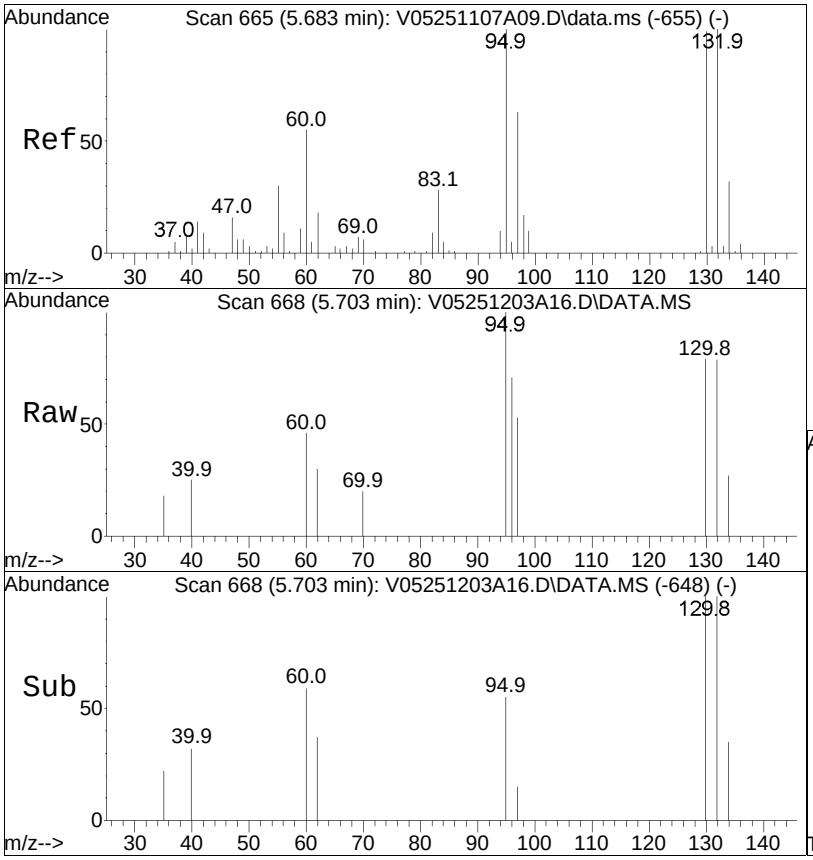


#39
2-Butanone
Concen: 10.97 ug/L
RT: 4.862 min Scan# 550
Delta R.T. -0.001 min
Lab File: V05251203A16.D
Acq: 3 Dec 2025 3:21 pm

Tgt Ion: 43 Resp: 19632

Ion	Ratio	Lower	Upper
43	100		
72	23.2	33.3	49.9#

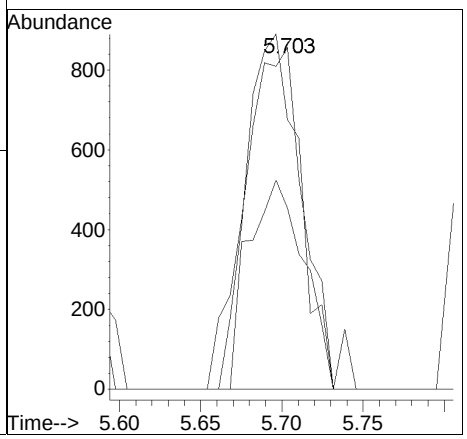


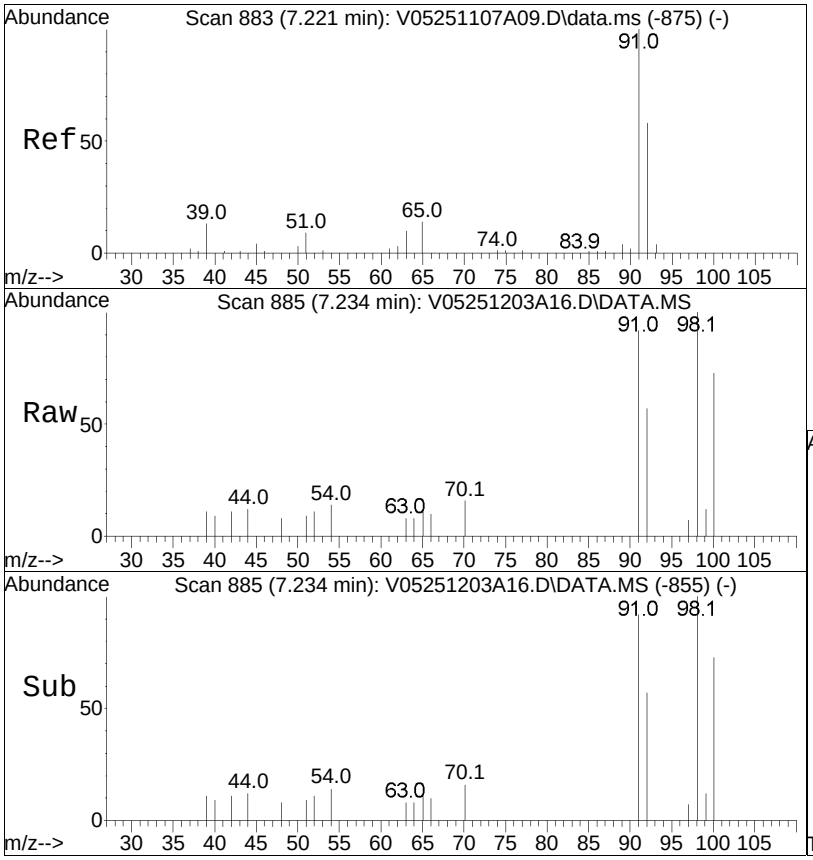


#48
Trichloroethene
Concen: 0.34 ug/L
RT: 5.703 min Scan# 668
Delta R.T. 0.020 min
Lab File: V05251203A16.D
Acq: 3 Dec 2025 3:21 pm

Tgt Ion: 95 Resp: 2227

Ion	Ratio	Lower	Upper
95	100		
97	56.4	54.4	81.6
130	90.7	82.2	123.4

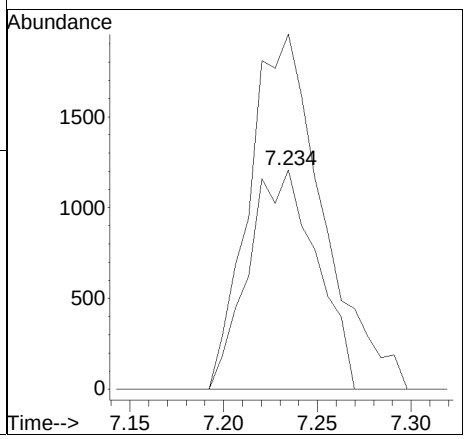




#61
Toluene
Concen: 0.19 ug/L
RT: 7.234 min Scan# 885
Delta R.T. 0.013 min
Lab File: V05251203A16.D
Acq: 3 Dec 2025 3:21 pm

Tgt Ion: 92 Resp: 3059

Ion	Ratio	Lower	Upper
92	100		
91	175.4	136.6	205.0



Manual Integration Report

Data Path	: K:\VOA105\2025\251203A\	QMethod	: V105_251107A_8260.m
Data File	: V05251203A16.D	Operator	: VOA105:BAD
Date Inj'd	: 12/3/2025 3:21 pm	Instrument	: VOA105
Sample	: L2575576-08,31,10,10,,A	Quant Date	: 12/4/2025 12:15 pm

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

LSC Area Percent Report

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A16.D
Acq On : 3 Dec 2025 3:21 pm
Operator : VOA105:BAD
Sample : L2575576-08,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 16 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V05251203A16.D\DATA.MS

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.167	299	303	316	rVB	13416	30202	4.26%	0.868%
2	4.313	464	470	484	rVB	18386	41825	5.91%	1.202%
3	4.739	523	532	546	rBV	103297	249693	35.26%	7.173%
4	4.862	546	550	564	rVB	10868	26334	3.72%	0.757%
5	5.245	594	603	623	rBV	89189	212591	30.02%	6.107%
6	5.513	634	641	661	rBV	222881	516639	72.95%	14.842%
7	7.164	866	875	901	rBV	265349	613013	86.56%	17.611%
8	8.984	1125	1133	1154	rBV	261070	580286	81.94%	16.671%
9	10.538	1338	1351	1375	rBB	240291	502074	70.90%	14.424%
10	11.797	1522	1529	1553	rBB	406854	708182	100.00%	20.345%

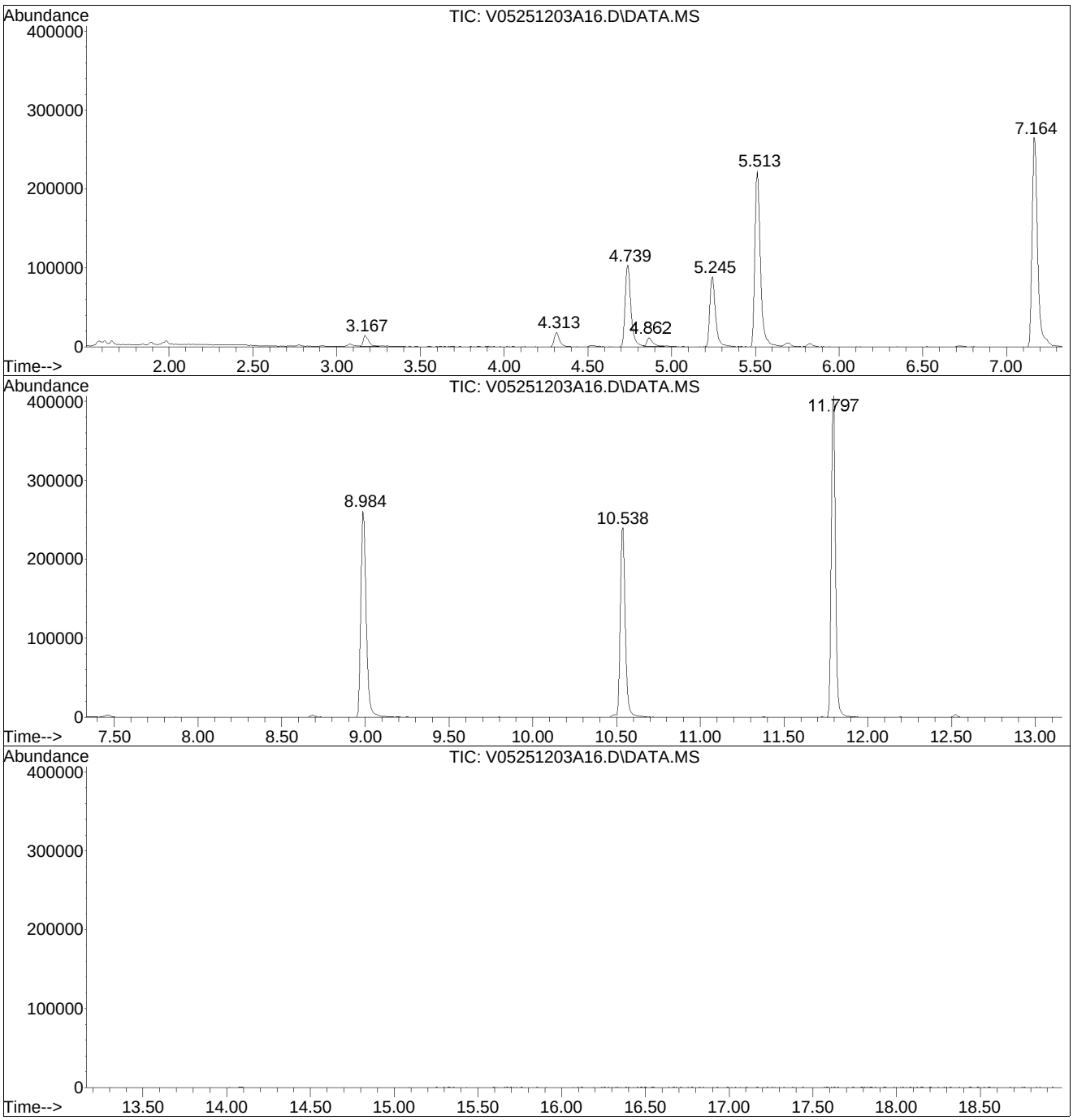
Sum of corrected areas: 3480839

LSC Report - Integrated Chromatogram

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A16.D
Acq On : 3 Dec 2025 3:21 pm
Operator : VOA105:BAD
Sample : L2575576-08,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 16 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A16.D
Acq On : 3 Dec 2025 3:21 pm
Operator : VOA105:BAD
Sample : L2575576-08,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 16 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A16.D
Acq On : 3 Dec 2025 3:21 pm
Operator : VOA105:BAD
Sample : L2575576-08,31,10,10,,A
Misc : WG2149674,ICAL22802
ALS Vial : 16 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

						Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B06.D
Acq On : 05 Dec 2025 02:09 pm
Operator : VOA122:PID
Sample : L2575576-02d,31,2.0,10,,C
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 08 10:18:42 2025
Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251205B\V22251205B01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.710	96	329261	10.000	ug/L	0.00
Standard Area 1 = 330379			Recovery =	99.66%		
62) Chlorobenzene-d5	9.218	117	243403	10.000	ug/L	0.00
Standard Area 1 = 247058			Recovery =	98.52%		
83) 1,4-Dichlorobenzene-d4	11.993	152	114294	10.000	ug/L	0.00
Standard Area 1 = 132762			Recovery =	86.09%		
System Monitoring Compounds						
38) Dibromofluoromethane	4.912	113	92449	10.575	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	105.75%		
46) 1,2-Dichloroethane-d4	5.423	65	101743	12.055	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	120.55%		
63) Toluene-d8	7.388	98	327568	10.413	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.13%		
87) 4-Bromofluorobenzene	10.754	95	110666	11.060	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	110.60%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.350	85	164	N.D.		
3) Chloromethane	1.758	50	299	N.D.		
4) Vinyl chloride	1.750	62	38109	6.231	ug/L	97
5) Bromomethane	2.040	94	370	0.086	ug/L	92
6) Chloroethane	0.000		0	N.D. d		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	2.738	96	76	N.D.		
11) Carbon disulfide	2.770	76	429	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.296	43	96756	176.945	ug/L	95
18) trans-1,2-Dichloroethene	3.413	96	704	0.173	ug/L	86
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	4.480	96	23742	5.482	ug/L	89
31) 2,2-Dichloropropane	0.000		0	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
34) Chloroform	0.000		0	N.D.		

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B06.D
Acq On : 05 Dec 2025 02:09 pm
Operator : VOA122:PID
Sample : L2575576-02d,31,2.0,10,,C
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 08 10:18:42 2025
Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251205B\V22251205B01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	0.000		0	N.D.			
39) 1,1,1-Trichloroethane	0.000		0	N.D.			
41) 2-Butanone	5.014	43	22873	30.398	ug/L	#	47
42) 1,1-Dichloropropene	0.000		0	N.D.			
44) Benzene	5.288	78	106	N.D.			
47) 1,2-Dichloroethane	0.000		0	N.D.			
51) Trichloroethene	5.884	95	1878	0.415	ug/L	#	77
53) Dibromomethane	0.000		0	N.D.			
54) 1,2-Dichloropropane	0.000		0	N.D.			
57) Bromodichloromethane	0.000		0	N.D.			
60) 1,4-Dioxane	0.000		0	N.D.			
61) cis-1,3-Dichloropropene	0.000		0	N.D.			
64) Toluene	0.000		0	N.D.			
65) 4-Methyl-2-pentanone	0.000		0	N.D.			
66) Tetrachloroethene	0.000		0	N.D.			
68) trans-1,3-Dichloropropene	0.000		0	N.D.			
71) 1,1,2-Trichloroethane	0.000		0	N.D.			
72) Chlorodibromomethane	0.000		0	N.D.			
73) 1,3-Dichloropropane	0.000		0	N.D.			
74) 1,2-Dibromoethane	0.000		0	N.D.			
76) 2-Hexanone	0.000		0	N.D.			
77) Chlorobenzene	0.000		0	N.D.			
78) Ethylbenzene	9.218	91	507	N.D.			
79) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
80) p/m Xylene	0.000		0	N.D.			
81) o Xylene	0.000		0	N.D.			
82) Styrene	0.000		0	N.D.			
84) Bromoform	0.000		0	N.D.			
86) Isopropylbenzene	0.000		0	N.D.			
88) Bromobenzene	0.000		0	N.D.			
89) n-Propylbenzene	10.754	91	375	N.D.			
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
92) 4-Ethyltoluene	0.000		0	N.D.			
93) 2-Chlorotoluene	0.000		0	N.D.			
94) 1,3,5-Trimethylbenzene	0.000		0	N.D.			
95) 1,2,3-Trichloropropane	0.000		0	N.D.			
96) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
97) 4-Chlorotoluene	0.000		0	N.D.			
98) tert-Butylbenzene	0.000		0	N.D.			

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B06.D
Acq On : 05 Dec 2025 02:09 pm
Operator : VOA122:PID
Sample : L2575576-02d,31,2.0,10,,C
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 08 10:18:42 2025
Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251205B\V22251205B01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	0.000		0	N.D.		
102) sec-Butylbenzene	0.000		0	N.D.		
103) p-Isopropyltoluene	0.000		0	N.D.		
104) 1,3-Dichlorobenzene	0.000		0	N.D.		
105) 1,4-Dichlorobenzene	0.000		0	N.D.		
106) p-Diethylbenzene	0.000		0	N.D.		
107) n-Butylbenzene	12.292	91	267	N.D.		
108) 1,2-Dichlorobenzene	0.000		0	N.D.		
109) 1,2,4,5-Tetramethylben...	0.000		0	N.D.		
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
112) Hexachlorobutadiene	13.844	225	137	0.088	ug/L #	78
113) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
114) Naphthalene	0.000		0	N.D.		
115) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

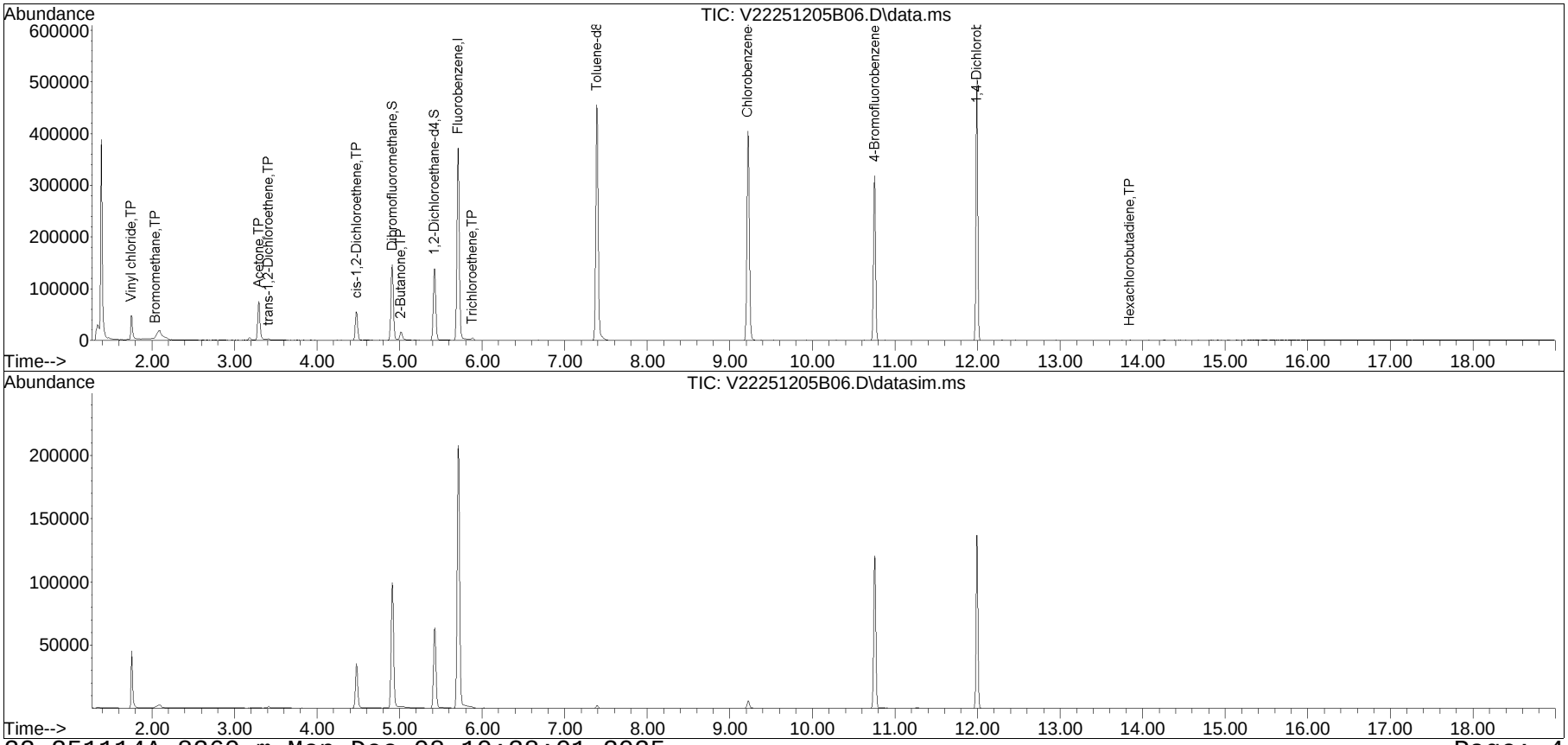
(#) = qualifier out of range (m) = manual integration (+) = signals summed

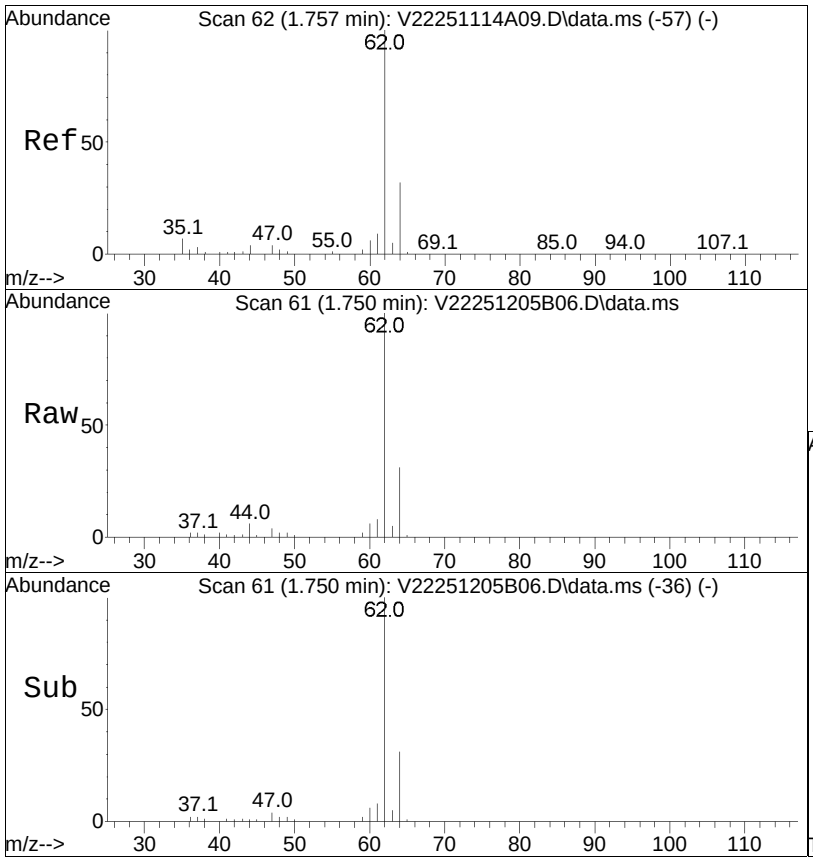
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B06.D
Acq On : 05 Dec 2025 02:09 pm
Operator : VOA122:PID
Sample : L2575576-02d,31,2.0,10,,C
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 08 10:18:42 2025
Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox251205B01.D•

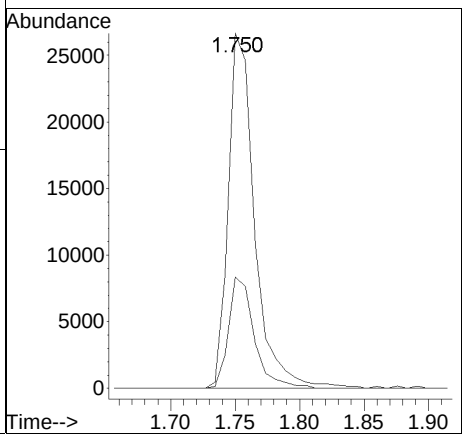


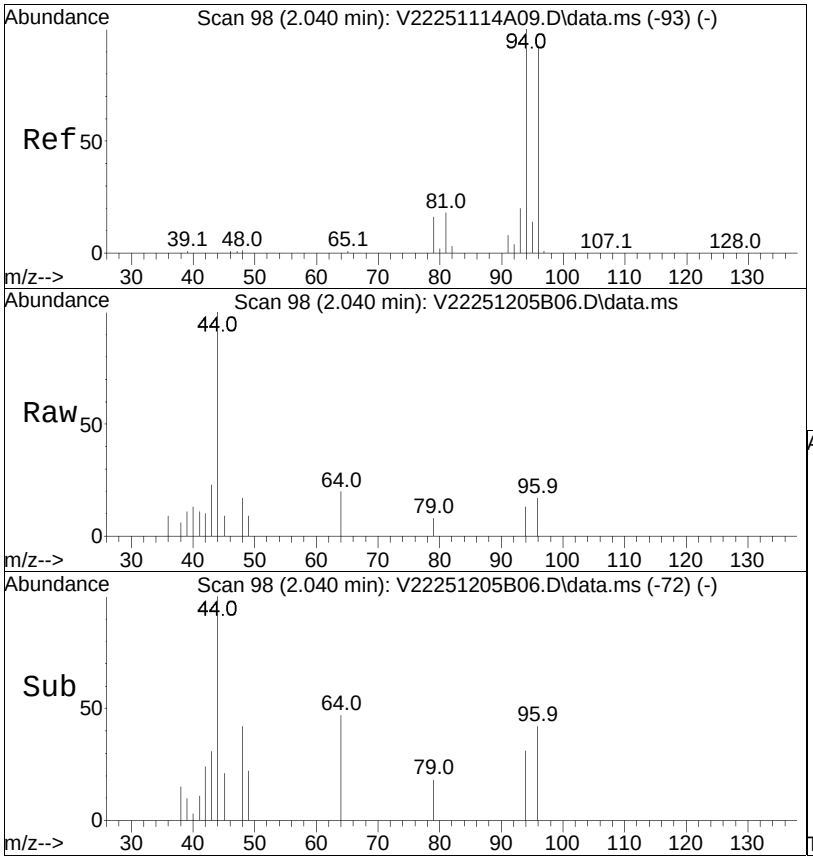


#4
Vinyl chloride
Concen: 6.23 ug/L
RT: 1.750 min Scan# 61
Delta R.T. -0.007 min
Lab File: V22251205B06.D
Acq: 05 Dec 2025 02:09 pm

Tgt Ion: 62 Resp: 38109

Ion	Ratio	Lower	Upper
62	100		
64	30.6	12.5	52.5

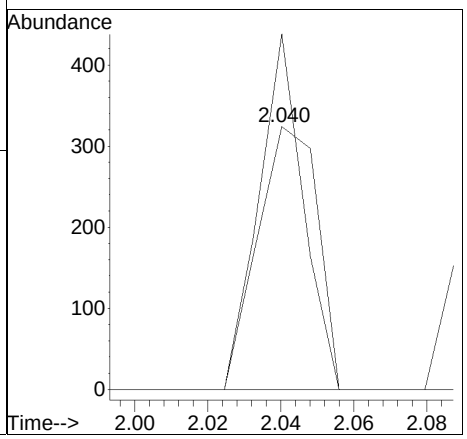


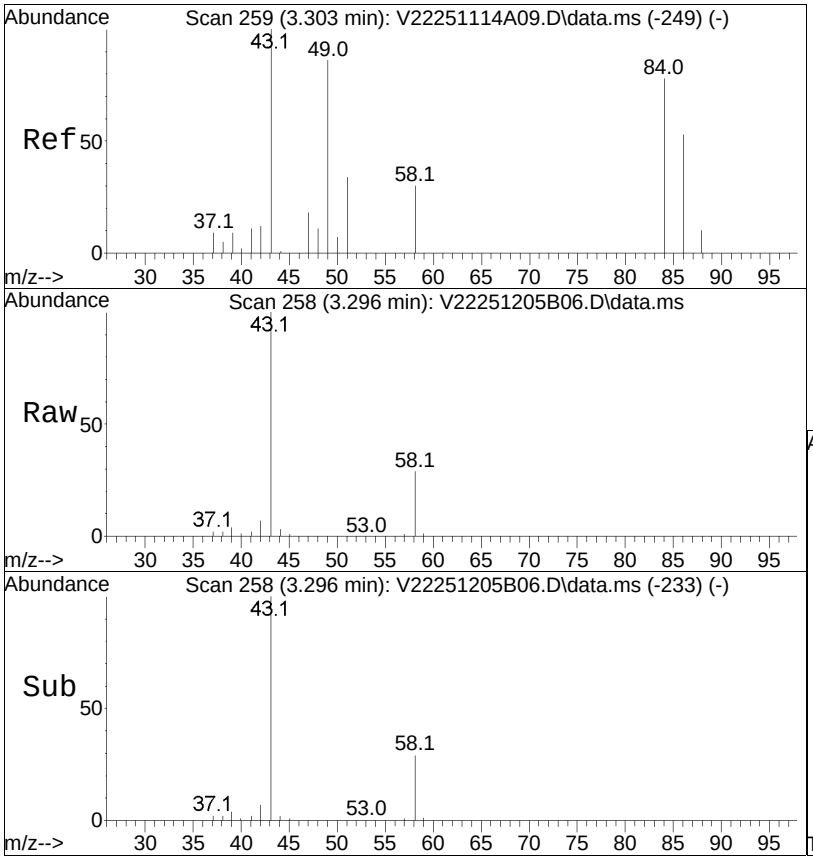


#5
Bromomethane
Concen: 0.09 ug/L
RT: 2.040 min Scan# 98
Delta R.T. 0.000 min
Lab File: V22251205B06.D
Acq: 05 Dec 2025 02:09 pm

Tgt Ion: 94 Resp: 370

Ion	Ratio	Lower	Upper
94	100		
96	100.3	72.2	112.2

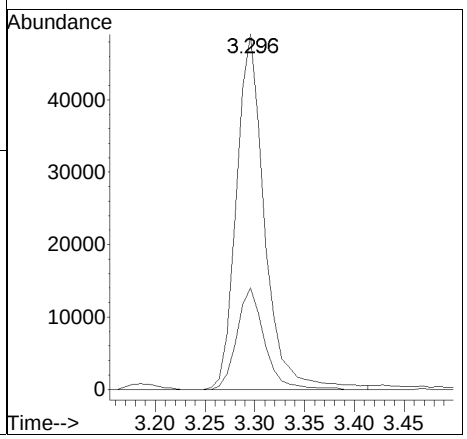


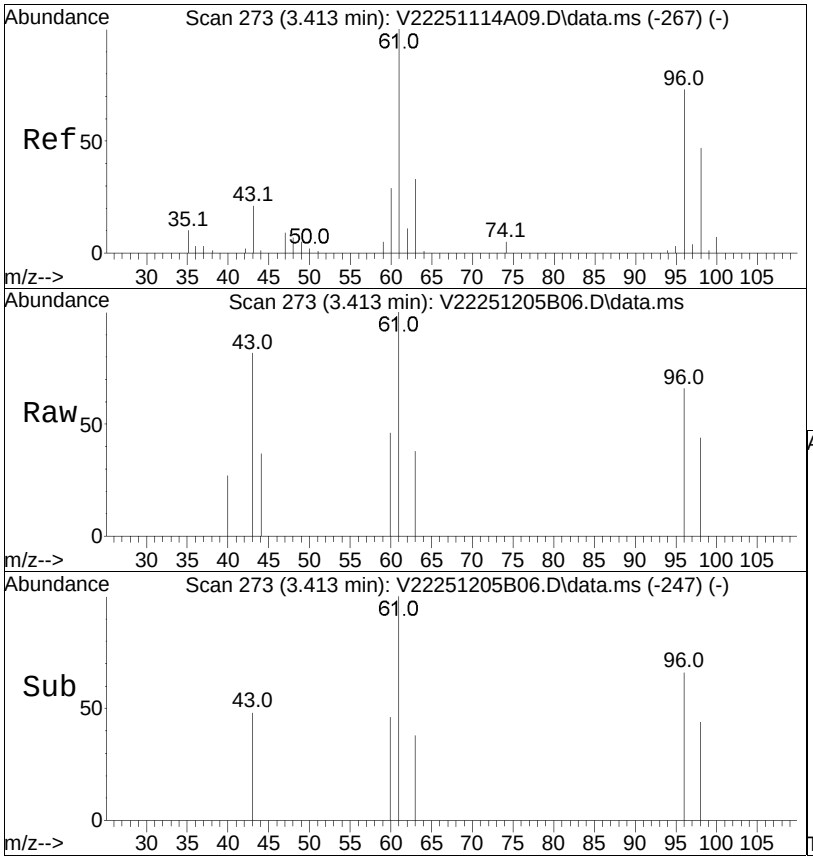


#17
Acetone
Concen: 176.94 ug/L
RT: 3.296 min Scan# 258
Delta R.T. -0.007 min
Lab File: V22251205B06.D
Acq: 05 Dec 2025 02:09 pm

Tgt Ion: 43 Resp: 96756

Ion	Ratio	Lower	Upper
43	100		
58	27.8	20.4	30.6

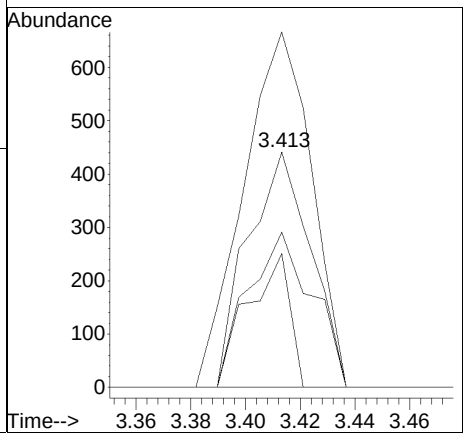


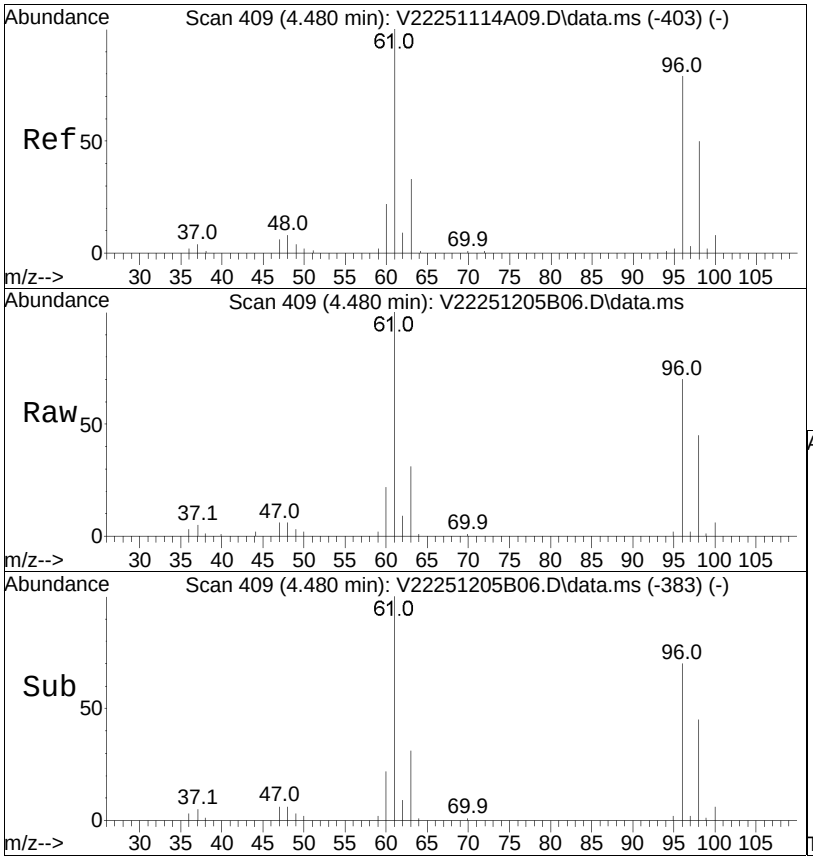


#18
trans-1,2-Dichloroethene
Concen: 0.17 ug/L
RT: 3.413 min Scan# 273
Delta R.T. 0.000 min
Lab File: V22251205B06.D
Acq: 05 Dec 2025 02:09 pm

Tgt Ion: 96 Resp: 704

Ion	Ratio	Lower	Upper
96	100		
61	163.4	89.6	186.0
98	67.2	41.9	87.1
63	38.1	28.5	59.1

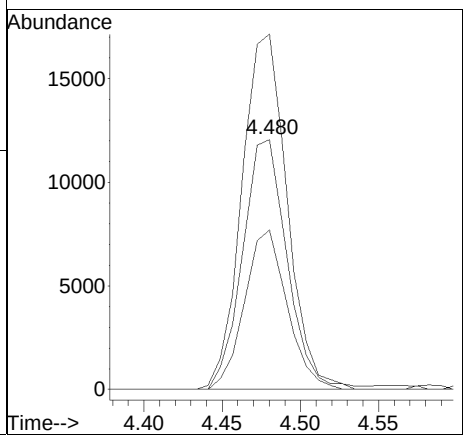


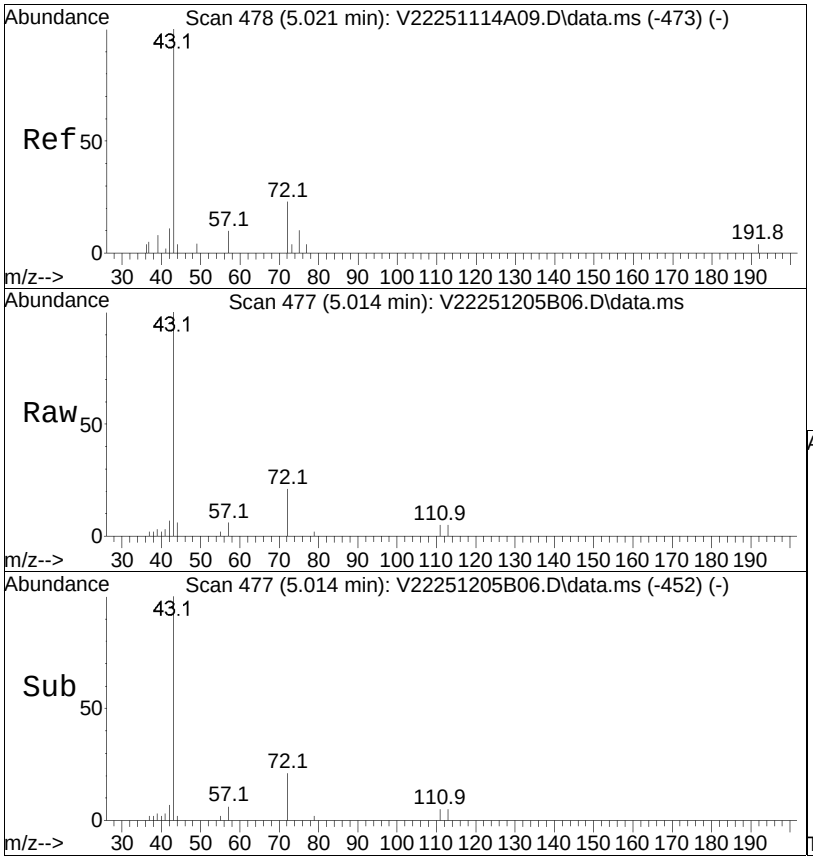


#30
cis-1,2-Dichloroethene
Concen: 5.48 ug/L
RT: 4.480 min Scan# 409
Delta R.T. 0.000 min
Lab File: V22251205B06.D
Acq: 05 Dec 2025 02:09 pm

Tgt Ion: 96 Resp: 23742

Ion	Ratio	Lower	Upper
96	100		
61	145.7	102.3	153.5
98	61.4	51.3	76.9

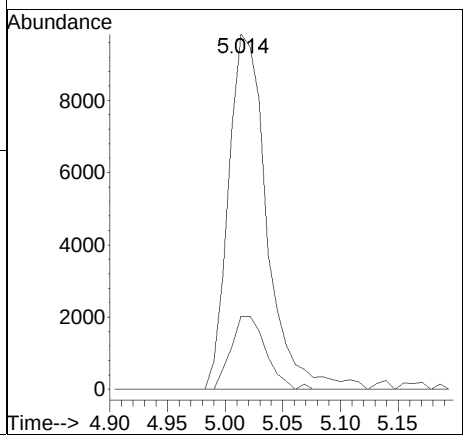


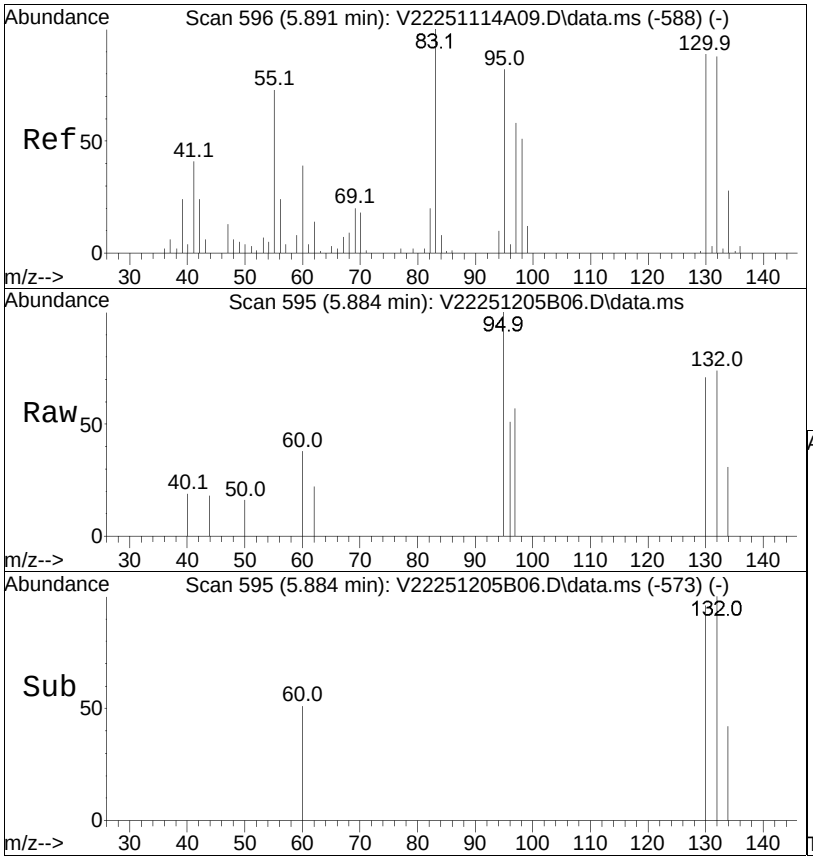


#41
2-Butanone
Concen: 30.40 ug/L
RT: 5.014 min Scan# 477
Delta R.T. -0.007 min
Lab File: V22251205B06.D
Acq: 05 Dec 2025 02:09 pm

Tgt Ion: 43 Resp: 22873

Ion	Ratio	Lower	Upper
43	100		
72	18.8	46.6	69.8#

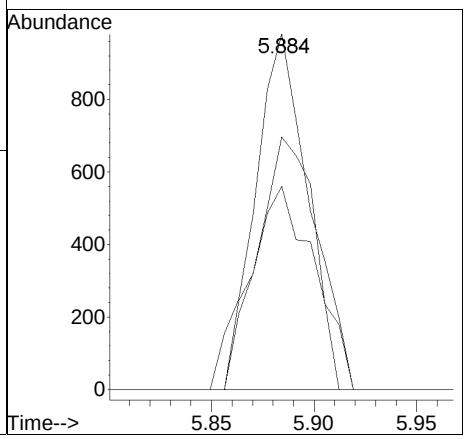


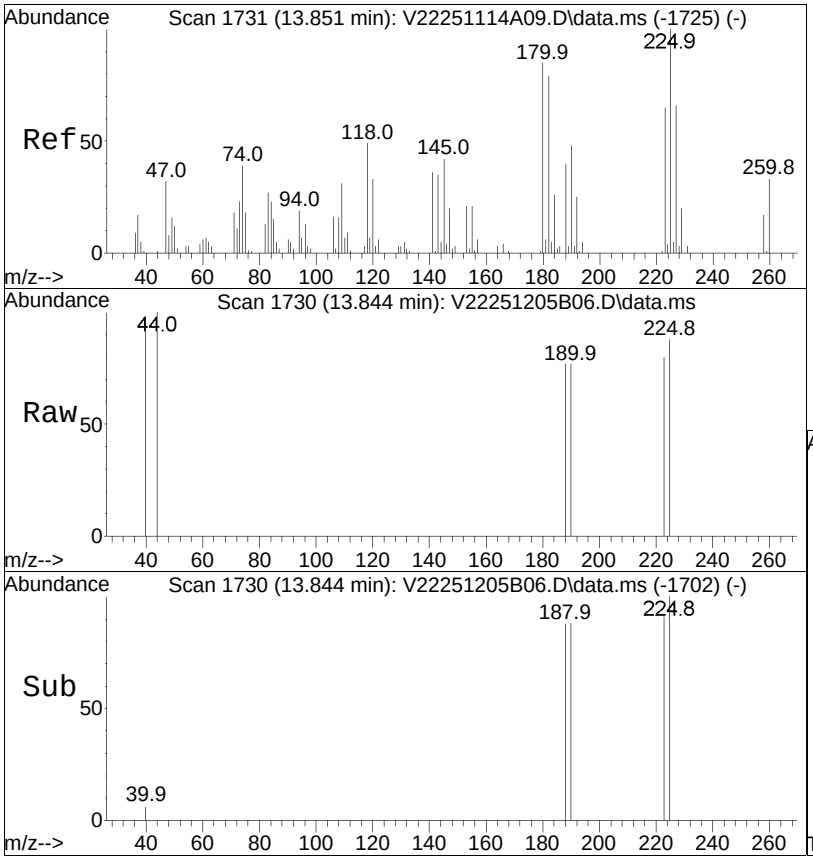


#51
Trichloroethene
Concen: 0.41 ug/L
RT: 5.884 min Scan# 595
Delta R.T. -0.007 min
Lab File: V22251205B06.D
Acq: 05 Dec 2025 02:09 pm

Tgt Ion: 95 Resp: 1878

Ion	Ratio	Lower	Upper
95	100		
97	59.6	54.7	82.1
130	74.8	85.9	128.9#

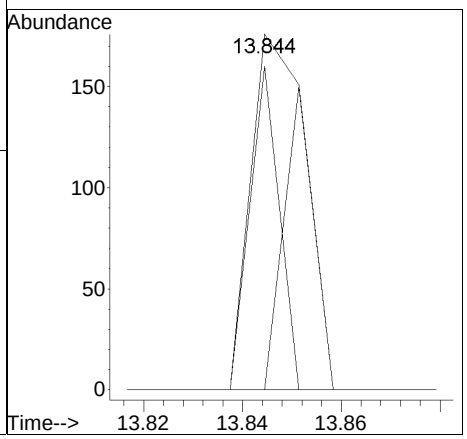




#112
Hexachlorobutadiene
Concen: 0.09 ug/L
RT: 13.844 min Scan# 1730
Delta R.T. -0.007 min
Lab File: V22251205B06.D
Acq: 05 Dec 2025 02:09 pm

Tgt Ion:225 Resp: 137

Ion	Ratio	Lower	Upper
225	100		
223	48.9	50.2	75.4#
227	46.0	52.6	79.0#



Manual Integration Report

Data Path	: K:\VOA122\2025\251205B\	QMethod	: V122_251114A_8260.m
Data File	: V22251205B06.D	Operator	: VOA122:PID
Date Inj'd	: 12/5/2025 2:09 pm	Instrument	: VOA 122
Sample	: L2575576-02d,31,2.0,10,,C	Quant Date	: 12/8/2025 10:09 am

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

LSC Area Percent Report

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B06.D
Acq On : 05 Dec 2025 02:09 pm
Operator : VOA122:PID
Sample : L2575576-02d,31,2.0,10,,C
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V22251205B06.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.750	52	61	71	rBV	46760	74472	8.08%	1.533%
2	2.095	95	105	122	rVB4	18202	91597	9.94%	1.886%
3	3.296	252	258	267	rBV	74948	143877	15.62%	2.962%
4	4.480	401	409	418	rBV	54955	108718	11.80%	2.238%
5	4.912	456	464	472	rBV	146238	305076	33.11%	6.282%
6	5.014	472	477	487	rVB	15272	34949	3.79%	0.720%
7	5.423	518	529	543	rBV	138431	283780	30.80%	5.843%
8	5.710	561	570	589	rBV	372928	746178	80.99%	15.364%
9	7.388	797	809	833	rVB	456510	921354	100.00%	18.971%
10	9.218	1060	1070	1085	rVB	405290	821162	89.13%	16.908%
11	10.754	1282	1289	1301	rVB	318862	562310	61.03%	11.578%
12	11.993	1453	1464	1472	rBV	508427	763265	82.84%	15.716%

Sum of corrected areas: 4856738

Signal : TIC: V22251205B06.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

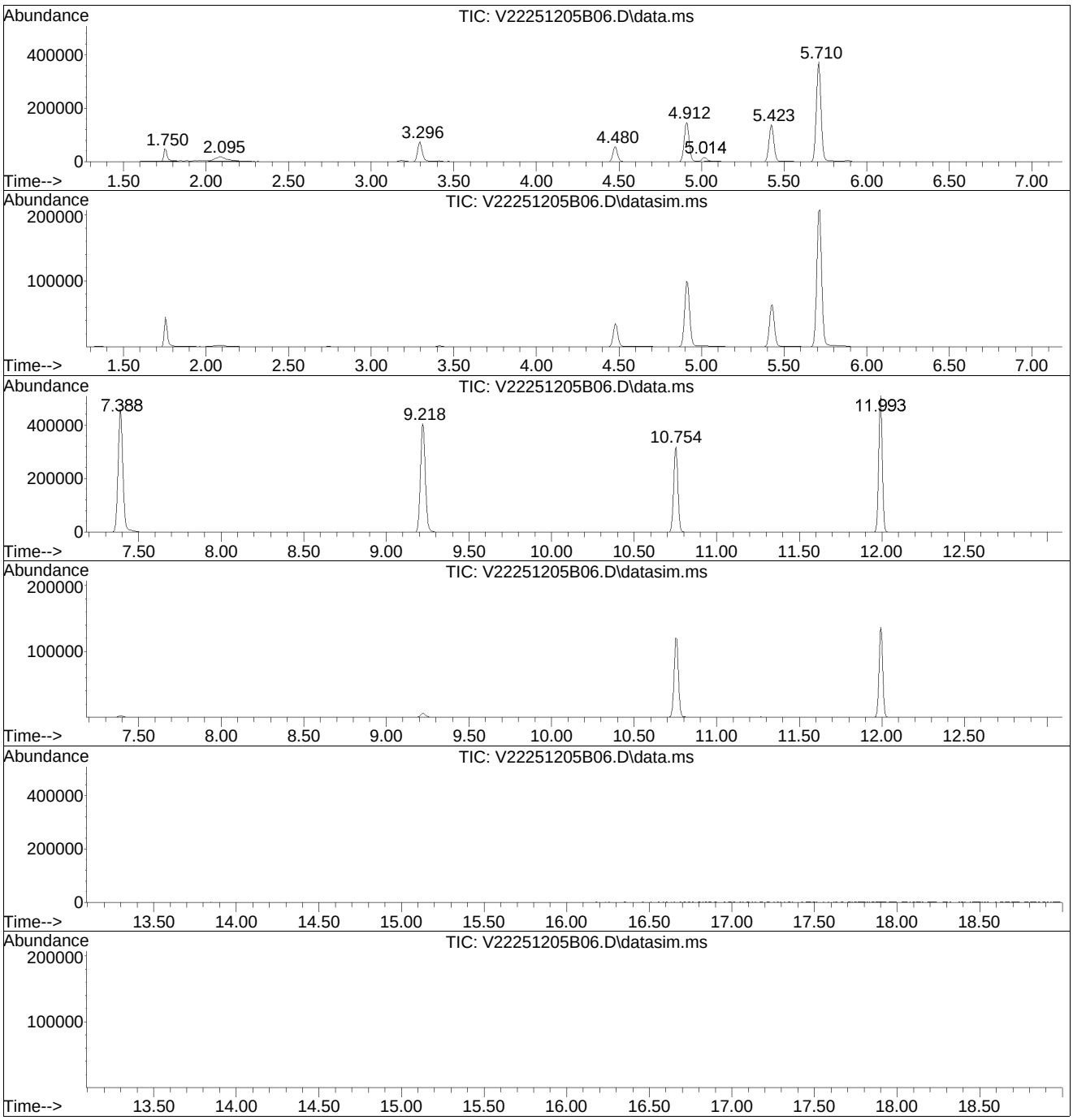
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B06.D
Acq On : 05 Dec 2025 02:09 pm
Operator : VOA122:PID
Sample : L2575576-02d,31,2.0,10,,C
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B06.D
Acq On : 05 Dec 2025 02:09 pm
Operator : VOA122:PID
Sample : L2575576-02d,31,2.0,10,,C
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS

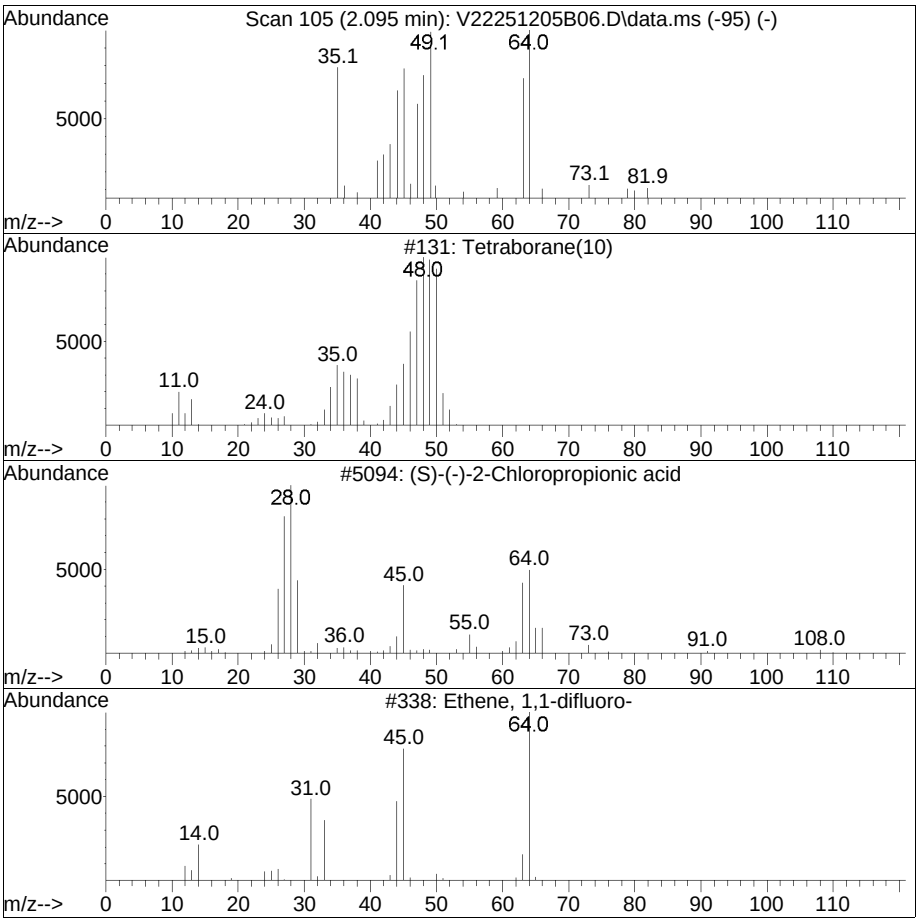
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

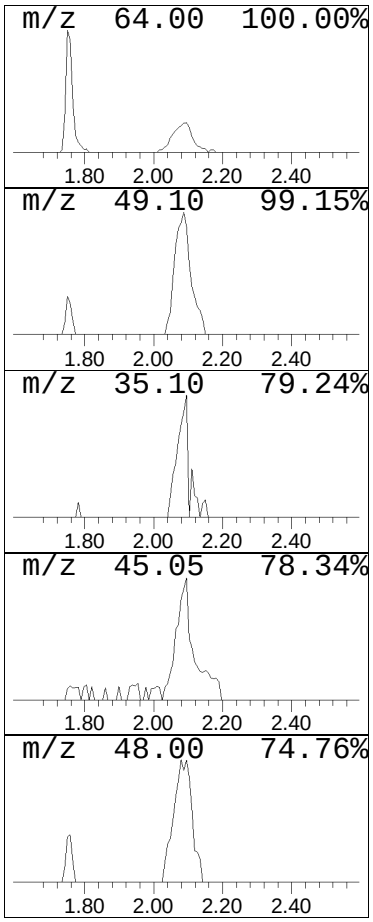
****

Peak Number 1 Unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.095	1.23 ug/L	91597	Fluorobenzene	5.710

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetraborane(10)	54	B4H10	018283-93-7	12
2	(S)-(-)-2-Chloropropionic acid	108	C3H5ClO2	029617-66-1	12
3	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	10
4	Methane, chloromethoxy-	80	C2H5ClO	000107-30-2	9
5	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9





Tentatively Identified Compound (LSC) summary

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B06.D
Acq On : 05 Dec 2025 02:09 pm
Operator : VOA122:PID
Sample : L2575576-02d,31,2.0,10,,C
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown	2.095	1.2	ug/L	91597	1	5.710	746178	10.0

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2575576**
Project Name	**: 1000 TURK HILL RD GWS**	**Project Number**	**: 3113.0001Y000**
Instrument ID	**: VOA105**	**Ical Ref**	**: ICAL22802**
Calibration dates	**: 11/07/25 14:37 11/07/25 19:04**		

Calibration Files

L11 =V05251107A04.D L1 =V05251107A06.D L2 =V05251107A07.D L3 =V05251107A09.D L4 =V05251107A10.D

L6 =V05251107A11.D L8 =V05251107A12.D L10 =V05251107A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.308	0.252	0.337	0.348	0.371	0.368	0.363	0.335	12.69
3)	TP	Chloromethane		0.428	0.461	0.466	0.465	0.434	0.435	0.450	0.448	3.58
4)	TP	Vinyl chloride	0.353	0.309	0.300	0.350	0.353	0.355	0.358	0.363	0.343	7.05
5)	TP	Bromomethane		0.085	0.090	0.109	0.145	0.149	0.154		*Q	0.9984
6)	TP	Chloroethane		0.185	0.216	0.210	0.208	0.194	0.186	0.166	0.195	9.08
7)	TP	Trichlorofluor		0.406	0.323	0.437	0.435	0.454	0.435	0.406	0.414	10.57
8)	TP	Ethyl ether		0.095	0.113	0.112	0.112	0.109	0.112	0.108	0.109	5.94
10)	TP	1,1-Dichloroet		0.187	0.187	0.208	0.208	0.210	0.206	0.201	0.201	4.94
11)	TP	Carbon disulfide		0.705	0.673	0.717	0.700	0.722	0.709	0.699	0.703	2.24
12)	TP	Freon-113		0.200	0.149	0.218	0.211	0.230	0.226	0.219	0.208	13.37
13)	TP	Iodomethane									0.000#	-1.00
14)	TP	Acrolein			0.025	0.031	0.031	0.030	0.033	0.033	0.031	9.68
15)	TP	Methylene chlo		0.262	0.262	0.253	0.243	0.228	0.234	0.232	0.245	5.79
17)	TP	Acetone			0.064	0.045	0.048	0.047	0.051	0.051	0.051	12.90
18)	TP	trans-1,2-Dich		0.221	0.236	0.251	0.250	0.244	0.245	0.245	0.242	4.26
19)	TP	Methyl acetate			0.090	0.108	0.116	0.119	0.125	0.126	0.114	11.76
20)	TP	Methyl tert butyl ether		0.458	0.480	0.522	0.545	0.555	0.586	0.582	0.533	9.19
21)	TP	tert-Butyl alc		0.011	0.014	0.011	0.011	0.012	0.013	0.014	0.012	10.36
22)	TP	Diisopropyl ether		0.749	0.859	0.946	1.033	1.016	1.021	1.019	0.949	11.36
23)	TP	1,1-Dichloroet		0.516	0.565	0.580	0.565	0.537	0.527	0.525	0.545	4.50
24)	TP	Halothane		0.172	0.169	0.193	0.189	0.190	0.187	0.185	0.183	5.10
25)	TP	Acrylonitrile			0.059	0.069	0.069	0.071	0.076	0.075	0.070	8.41
26)	TP	Ethyl tert-but		0.584	0.621	0.718	0.794	0.798	0.819	0.816	0.736	13.24
27)	TP	Vinyl acetate			0.379	0.489	0.575	0.562	0.615	0.580	0.533	16.13
28)	TP	cis-1,2-Dichlo		0.244	0.276	0.285	0.283	0.271	0.269	0.269	0.271	5.06
29)	TP	2,2-Dichloropr		0.341	0.360	0.393	0.394	0.397	0.388	0.382	0.379	5.55
30)	TP	Bromochloromet		0.094	0.130	0.127	0.124	0.114	0.109	0.104	0.114	11.58
31)	TP	Cyclohexane			0.347	0.562	0.575	0.632	0.629	0.628	0.562	19.51
32)	TP	Chloroform		0.486	0.504	0.491	0.481	0.454	0.445	0.436	0.471	5.51
33)	TP	Ethyl acetate			0.157	0.158	0.172	0.181	0.195	0.196	0.177	9.86
34)	TP	Carbon tetrachloride	0.431	0.348	0.320	0.392	0.394	0.414	0.405	0.397	0.388	9.34
35)	TP	Tetrahydrofuran			0.061	0.055	0.054	0.058	0.061	0.060	0.058	5.30
36)	S	Dibromofluoromethane	0.297	0.296	0.285	0.279	0.271	0.264	0.262	0.252	0.276	5.92
37)	TP	1,1,1-Trichlor		0.383	0.388	0.434	0.434	0.435	0.424	0.415	0.416	5.31
39)	TP	2-Butanone			0.059	0.069	0.076	0.078	0.084	0.085	0.075	13.35

Initial Calibration Summary
Form 6
Volatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2575576**
Project Name	**: 1000 TURK HILL RD GWS**	**Project Number**	**: 3113.0001Y000**
Instrument ID	**: VOA105**	**Ical Ref**	**: ICAL22802**
Calibration dates	**: 11/07/25 14:37 11/07/25 19:04**		

Calibration Files
L11 =V05251107A04.D L1 =V05251107A06.D L2 =V05251107A07.D L3 =V05251107A09.D L4 =V05251107A10.D
L6 =V05251107A11.D L8 =V05251107A12.D L10 =V05251107A13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP	1,1-Dichloropr		0.262	0.263	0.337	0.346	0.359	0.359	0.362	0.327	13.76
41) TP	Benzene	0.918	0.832	1.003	1.078	1.082	1.053	1.052	1.061	1.010	8.87
42) TP	Tertiary-Amyl Methyl Ether		0.353	0.412	0.467	0.524	0.539	0.574	0.584	0.493	17.52
43) S	1,2-Dichloroethane-d4	0.364	0.372	0.358	0.369	0.332	0.323	0.325	0.322	0.346	6.41
44) TP	1,2-Dichloroethane	0.353	0.377	0.388	0.373	0.369	0.351	0.350	0.339	0.363	4.59
47) TP	Methyl cyclohe			0.242	0.379	0.385	0.454	0.465	0.477	*L	0.9980
48) TP	Trichloroethene	0.298	0.252	0.274	0.274	0.280	0.277	0.275	0.277	0.276	4.49
50) TP	Dibromomethane		0.121	0.133	0.133	0.132	0.131	0.135	0.137	0.132	3.82
51) TP	1,2-Dichloropr		0.252	0.275	0.291	0.296	0.292	0.294	0.302	0.286	6.02
53) TP	2-Chloroethyl			0.042	0.083	0.097	0.105	0.117	0.124	*L	0.9946
54) TP	Bromodichlorom		0.313	0.344	0.351	0.347	0.349	0.348	0.349	0.343	3.87
57) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	7.75
58) TP	cis-1,3-Dichloropropene	0.230	0.275	0.322	0.368	0.398	0.401	0.413	0.422	*Q	0.9998
59) I	Chlorobenzene-d5	----------ISTD----------									
60) S	Toluene-d8	1.234	1.234	1.275	1.286	1.286	1.265	1.250	1.287	1.265	1.79
61) TP	Toluene		0.673	0.806	0.807	0.833	0.802	0.796	0.821	0.791	6.78
62) TP	4-Methyl-2-pen			0.057	0.064	0.075	0.079	0.088	0.092	0.076	17.66
63) TP	Tetrachloroethene	0.331	0.279	0.316	0.352	0.356	0.363	0.356	0.360	0.339	8.57
65) TP	trans-1,3-Dichloropropene	0.222	0.263	0.338	0.390	0.436	0.432	0.440	0.451	*Q	0.9997
67) TP	Ethyl methacry			0.198	0.226	0.263	0.271	0.290	0.306	0.259	15.53
68) TP	1,1,2-Trichlor		0.151	0.182	0.186	0.196	0.189	0.192	0.199	0.185#	8.80
69) TP	Chlorodibromom		0.253	0.278	0.287	0.310	0.305	0.309	0.316	0.294	7.69
70) TP	1,3-Dichloropr		0.345	0.397	0.406	0.424	0.410	0.419	0.436	0.405	7.26
71) TP	1,2-Dibromoethane		0.172	0.198	0.217	0.231	0.226	0.231	0.242	0.217	11.06
72) TP	2-Hexanone			0.098	0.109	0.129	0.134	0.149	0.156	0.129	17.42
73) TP	Chlorobenzene		0.804	0.909	0.886	0.917	0.885	0.881	0.904	0.884	4.27
74) TP	Ethylbenzene		1.310	1.440	1.609	1.649	1.606	1.592	1.629	1.548	8.09
75) TP	1,1,1,2-Tetrac		0.262	0.306	0.317	0.344	0.334	0.331	0.333	0.318	8.68
76) TP	p/m Xylene		0.424	0.545	0.619	0.631	0.606	0.600	0.604	0.576	12.51
77) TP	o Xylene		0.389	0.535	0.583	0.609	0.583	0.579	0.583	0.552	13.59
78) TP	Styrene		0.605	0.891	0.972	1.005	0.954	0.944	0.939	0.901	15.00
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.276	0.276	0.282	0.301	0.305	0.321	0.336	0.299	7.78
82) TP	Isopropylbenzene		1.943	2.293	2.760	2.860	3.018	3.058	3.033	2.709	15.86
83) S	4-Bromofluorobenzene	0.887	0.838	0.873	0.846	0.850	0.822	0.846	0.901	0.858	3.12
84) TP	Bromobenzene		0.578	0.635	0.634	0.646	0.622	0.641	0.670	0.632	4.45

Initial Calibration Summary
Form 6
Volatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2575576**
Project Name	**: 1000 TURK HILL RD GWS**	**Project Number**	**: 3113.0001Y000**
Instrument ID	**: VOA105**	**Ical Ref**	**: ICAL22802**
Calibration dates	**: 11/07/25 14:37 11/07/25 19:04**		

Calibration Files
L11 =V05251107A04.D L1 =V05251107A06.D L2 =V05251107A07.D L3 =V05251107A09.D L4 =V05251107A10.D
L6 =V05251107A11.D L8 =V05251107A12.D L10 =V05251107A13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP	n-Propylbenzene		2.601	2.895	3.386	3.425	3.415	3.472	3.585	3.254	11.12
86) TP	1,4-Dichlorobu		0.797	0.837	0.866	0.881	0.850	0.914	0.956	0.871	5.98
87) TP	1,1,2,2-Tetrachloroethane	0.357	0.421	0.422	0.432	0.437	0.430	0.475	0.499	0.434	9.56
88) TP	4-Ethyltoluene		1.901	2.366	2.752	2.844	2.813	2.860	2.901	2.634	14.04
89) TP	2-Chlorotoluene		1.610	1.937	2.072	2.071	1.929	1.958	2.038	1.945	8.23
90) TP	1,3,5-Trimethy		1.632	2.006	2.352	2.441	2.417	2.466	2.502	2.259	14.29
91) TP	1,2,3-Trichlor		0.340	0.373	0.362	0.368	0.367	0.400	0.415	0.375	6.64
92) TP	trans-1,4-Dich		0.109	0.147	0.152	0.161	0.152	0.169	0.173	0.152	13.93
93) TP	4-Chlorotoluene		1.620	1.986	2.049	2.111	2.042	2.083	2.142	2.005	8.83
94) TP	tert-Butylbenzene		1.385	1.657	2.016	2.075	2.110	2.161	2.200	1.944	15.69
97) TP	1,2,4-Trimethy		1.401	1.934	2.230	2.360	2.366	2.429	2.464	2.169	17.64
98) TP	sec-Butylbenzene		1.960	2.357	2.838	2.901	3.037	3.132	3.149	2.767	16.12
99) TP	p-Isopropyltol		1.481	1.959	2.483	2.567	2.676	2.739	2.722	*L	0.9996
100) TP	1,3-Dichlorobe		1.055	1.207	1.263	1.286	1.248	1.262	1.270	1.227	6.52
101) TP	1,4-Dichlorobe		1.264	1.357	1.260	1.299	1.250	1.275	1.273	1.282	2.83
102) TP	p-Diethylbenzene			1.108	1.381	1.488	1.556	1.610	1.619	1.460	13.27
103) TP	n-Butylbenzene		1.504	1.746	2.133	2.180	2.320	2.391	2.399	2.096	16.41
104) TP	1,2-Dichlorobe		0.979	1.101	1.103	1.143	1.101	1.136	1.133	1.099	5.09
105) TP	1,2,4,5-Tetram			1.503	1.922	2.172	2.233	2.314	2.342	2.081	15.40
106) TP	1,2-Dibromo-3-		0.054	0.057	0.057	0.063	0.066	0.074	0.075	0.064	13.11
107) TP	1,3,5-Trichlor		0.660	0.765	0.814	0.858	0.861	0.884	0.874	0.817	9.84
108) TP	Hexachlorobuta		0.259	0.273	0.292	0.307	0.334	0.347	0.340	0.307	11.18
109) TP	1,2,4-Trichlor		0.521	0.600	0.655	0.707	0.710	0.745	0.730	0.667	12.14
110) TP	Naphthalene		0.883	0.998	1.165	1.322	1.351	1.496	1.472	1.241	18.90
111) TP	1,2,3-Trichlor		0.430	0.501	0.519	0.552	0.550	0.600	0.585	0.534	10.71

Initial Calibration Summary
Form 6
Volatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2575576**
Project Name	**: 1000 TURK HILL RD GWS**	**Project Number**	**: 3113.0001Y000**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL22815**
Calibration dates	**: 11/14/25 18:51 11/14/25 22:33**		

Calibration Files

L11 =V22251114A04.D L1 =V22251114A05.D L2 =V22251114A07.D L3 =V22251114A09.D L4 =V22251114A10.D

L6 =V22251114A11.D L8 =V22251114A12.D L10 =V22251114A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.107	0.170	0.169	0.193	0.190	0.179	0.180	0.170	17.13
3)	TP	Chloromethane		0.149	0.170	0.172	0.174	0.168	0.159	0.159	0.164	5.48
4)	TP	Vinyl chloride	0.157	0.140	0.200	0.201	0.210	0.201	0.190	0.187	0.186	13.19
5)	TP	Bromomethane		0.135	0.128	0.126	0.129	0.130	0.130	0.134	0.130	2.45
6)	TP	Chloroethane		0.169	0.161	0.143	0.146	0.138	0.124	0.109	0.142	14.66
7)	TP	Trichlorofluor		0.124	0.185	0.185	0.208	0.203	0.196	0.196	0.185	15.29
8)	TP	Ethyl ether		0.041	0.049	0.052	0.054	0.053	0.054	0.054	0.051	9.15
10)	TP	1,1-Dichloroet		0.078	0.110	0.114	0.121	0.120	0.116	0.118	0.111	13.61
11)	TP	Carbon disulfide		0.279	0.387	0.388	0.402	0.397	0.385	0.393	0.376	11.51
12)	TP	Freon-113		0.074	0.103	0.102	0.118	0.117	0.113	0.121	0.107	15.17
13)	TP	Iodomethane		0.098	0.143	0.173	0.185	0.184	0.178	0.175	0.162	19.57
14)	TP	Acrolein			0.011	0.010	0.010	0.010	0.010	0.010	0.010#	5.64
15)	TP	Methylene chlo		0.128	0.132	0.132	0.131	0.127	0.127	0.126	0.129	1.90
17)	TP	Acetone			0.034	0.020	0.017	0.016	0.017	0.016	*L	0.9994
18)	TP	trans-1,2-Dich		0.101	0.123	0.127	0.129	0.128	0.129	0.131	0.124	8.26
19)	TP	Methyl acetate			0.051	0.042	0.040	0.040	0.043	0.041	0.043	9.73
21)	TP	Methyl tert butyl ether		0.199	0.207	0.228	0.240	0.236	0.244	0.242	0.228	7.95
22)	TP	tert-Butyl alc			0.004	0.005	0.005	0.005	0.005	0.005	0.005#	5.38
24)	TP	Diisopropyl ether		0.281	0.306	0.308	0.323	0.331	0.327	0.330	0.315	5.74
25)	TP	1,1-Dichloroet		0.193	0.220	0.227	0.234	0.230	0.227	0.230	0.223#	6.22
26)	TP	Halothane		0.073	0.094	0.093	0.098	0.098	0.096	0.102	0.093	9.96
27)	TP	Acrylonitrile		0.026	0.022	0.023	0.025	0.024	0.025	0.024	0.024	5.54
28)	TP	Ethyl tert-but		0.243	0.257	0.270	0.286	0.292	0.306	0.303	0.280	8.55
29)	TP	Vinyl acetate			0.154	0.149	0.168	0.165	0.173	0.197	0.168	9.96
30)	TP	cis-1,2-Dichlo		0.104	0.135	0.135	0.138	0.137	0.135	0.136	0.132#	9.12
31)	TP	2,2-Dichloropr		0.158	0.176	0.173	0.177	0.177	0.173	0.177	0.173	3.93
32)	TP	Bromochloromet		0.052	0.061	0.063	0.065	0.063	0.062	0.060	0.061#	6.56
33)	TP	Cyclohexane		0.166	0.204	0.192	0.229	0.238	0.232	0.241	0.215	13.06
34)	TP	Chloroform		0.247	0.231	0.218	0.217	0.218	0.219	0.222	0.225#	4.91
35)	TP	Ethyl acetate			0.056	0.058	0.059	0.059	0.062	0.059	0.059	3.58
36)	TP	Carbon tetrachloride	0.120	0.131	0.173	0.179	0.196	0.196	0.191	0.197	0.173	17.73
37)	TP	Tetrahydrofuran			0.021	0.018	0.018	0.017	0.018	0.018	0.018	7.61
38)	S	Dibromofluoromethane	0.268	0.266	0.271	0.267	0.260	0.260	0.265	0.266	0.265	1.42
39)	TP	1,1,1-Trichlor		0.148	0.189	0.197	0.209	0.208	0.204	0.208	0.195	11.20
41)	TP	2-Butanone			0.019	0.022	0.024	0.024	0.025	0.024	0.023	9.21

Initial Calibration Summary
Form 6
Volatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2575576**
Project Name	**: 1000 TURK HILL RD GWS**	**Project Number**	**: 3113.0001Y000**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL22815**
Calibration dates	**: 11/14/25 18:51 11/14/25 22:33**		

Calibration Files

L11 =V22251114A04.D L1 =V22251114A05.D L2 =V22251114A07.D L3 =V22251114A09.D L4 =V22251114A10.D

L6 =V22251114A11.D L8 =V22251114A12.D L10 =V22251114A13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
42) TP	1,1-Dichloropr		0.114	0.149	0.161	0.173	0.180	0.176	0.179	0.162	14.64
44) TP	Benzene	0.296	0.269	0.311	0.310	0.328	0.329	0.319	0.321	0.310	6.44
45) TP	Tertiary-Amyl Methyl Ether		0.217	0.218	0.229	0.243	0.252	0.261	0.256	0.240	7.55
46) S	1,2-Dichloroethane-d4	0.253	0.256	0.249	0.256	0.253	0.254	0.265	0.266	0.256	2.40
47) T	1,2-Dichloroethane	0.144	0.122	0.127	0.132	0.135	0.137	0.139	0.137	0.134	5.18
50) TP	Methyl cyclohe			0.191	0.187	0.240	0.250	0.246	0.254	0.228	13.34
51) TP	Trichloroethene	0.136	0.114	0.125	0.131	0.144	0.151	0.148	0.151	0.138#	9.78
53) TP	Dibromomethane		0.053	0.057	0.061	0.066	0.066	0.067	0.066	0.062	9.04
54) TP	1,2-Dichloropr		0.094	0.107	0.126	0.133	0.132	0.132	0.133	0.122#	12.87
56) TP	2-Chloroethyl		0.040	0.045	0.050	0.051	0.051	0.052	0.050	0.049	8.94
57) TP	Bromodichlorom		0.108	0.105	0.114	0.120	0.119	0.118	0.116	0.114#	5.08
60) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	10.08
61) TP	cis-1,3-Dichloropropene	0.135	0.151	0.160	0.174	0.194	0.196	0.198	0.198	0.176#	14.05
62) I	Chlorobenzene-d5	----------ISTD----------									
63) S	Toluene-d8	1.302	1.303	1.309	1.304	1.283	1.291	1.274	1.273	1.292	1.10
64) TP	Toluene		0.314	0.384	0.397	0.419	0.422	0.415	0.422	0.396	9.87
65) TP	4-Methyl-2-pen			0.024	0.028	0.029	0.031	0.031	0.029	0.029#	9.26
66) TP	Tetrachloroethene	0.119	0.119	0.169	0.174	0.188	0.192	0.189	0.193	0.168	18.56
68) TP	trans-1,3-Dichloropropene	0.148	0.150	0.156	0.178	0.199	0.206	0.207	0.204	0.181#	14.52
70) TP	Ethyl methacry		0.126	0.118	0.126	0.133	0.133	0.135	0.129	0.128	4.57
71) TP	1,1,2-Trichlor		0.092	0.077	0.086	0.093	0.096	0.097	0.095	0.091#	7.84
72) TP	Chlorodibromom		0.113	0.123	0.137	0.151	0.156	0.157	0.156	0.142#	12.55
73) TP	1,3-Dichloropr		0.151	0.164	0.177	0.192	0.193	0.194	0.189	0.180	9.29
74) TP	1,2-Dibromoethane		0.088	0.101	0.106	0.114	0.115	0.117	0.113	0.108#	9.59
76) TP	2-Hexanone			0.051	0.053	0.050	0.054	0.054	0.049	0.052	4.45
77) TP	Chlorobenzene		0.392	0.444	0.452	0.471	0.472	0.458	0.462	0.450	6.09
78) TP	Ethylbenzene		0.675	0.786	0.817	0.853	0.860	0.828	0.833	0.807	7.85
79) TP	1,1,1,2-Tetrac		0.120	0.143	0.150	0.164	0.168	0.166	0.166	0.154	11.51
80) TP	p/m Xylene		0.251	0.321	0.330	0.346	0.353	0.341	0.350	0.327	10.86
81) TP	o Xylene		0.261	0.302	0.314	0.332	0.340	0.328	0.335	0.316	8.70
82) TP	Styrene		0.428	0.484	0.514	0.547	0.557	0.538	0.542	0.516	8.91
83) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
84) TP	Bromoform		0.135	0.126	0.138	0.155	0.169	0.172	0.177	0.153	13.22
86) TP	Isopropylbenzene		1.175	1.502	1.530	1.633	1.657	1.606	1.612	1.531	10.88
87) S	4-Bromofluorobenzene	0.898	0.891	0.886	0.882	0.882	0.862	0.852	0.851	0.875	2.07
88) TP	Bromobenzene		0.289	0.314	0.329	0.350	0.354	0.349	0.353	0.334	7.48

Initial Calibration Summary
Form 6
Volatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2575576**
Project Name	**: 1000 TURK HILL RD GWS**	**Project Number**	**: 3113.0001Y000**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL22815**
Calibration dates	**: 11/14/25 18:51 11/14/25 22:33**		

Calibration Files
L11 =V22251114A04.D L1 =V22251114A05.D L2 =V22251114A07.D L3 =V22251114A09.D L4 =V22251114A10.D
L6 =V22251114A11.D L8 =V22251114A12.D L10 =V22251114A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
89)	TP	n-Propylbenzene		1.432	1.772	1.819	1.959	1.997	1.920	1.921	1.831	10.53
90)	TP	1,4-Dichlorobu		0.379	0.321	0.320	0.341	0.352	0.356	0.355	0.346	6.10
91)	TP	1,1,2,2-Tetrachloroethane	0.241	0.215	0.210	0.216	0.234	0.236	0.234	0.233	0.227	5.19
92)	TP	4-Ethyltoluene		1.209	1.463	1.514	1.624	1.631	1.570	1.563	1.511	9.64
93)	TP	2-Chlorotoluene		0.926	1.045	1.050	1.106	1.124	1.019	1.044	1.045	6.16
94)	TP	1,3,5-Trimethy		1.038	1.240	1.280	1.371	1.393	1.340	1.347	1.287	9.45
95)	TP	1,2,3-Trichlor		0.164	0.164	0.179	0.185	0.190	0.194	0.186	0.180	6.62
96)	TP	trans-1,4-Dich		0.067	0.058	0.060	0.064	0.067	0.068	0.065	0.064	5.71
97)	TP	4-Chlorotoluene		0.947	1.067	1.086	1.148	1.158	1.116	1.119	1.091	6.53
98)	TP	tert-Butylbenzene		0.871	1.054	1.084	1.184	1.206	1.161	1.168	1.104	10.54
101)	TP	1,2,4-Trimethy		1.027	1.190	1.236	1.331	1.343	1.305	1.301	1.248	8.91
102)	TP	sec-Butylbenzene		0.745	0.873	0.918	0.982	0.959	0.905	0.899	0.897	8.55
103)	TP	p-Isopropyltol		0.991	1.284	1.362	1.484	1.508	1.434	1.414	1.354	13.05
104)	TP	1,3-Dichlorobe		0.590	0.670	0.696	0.733	0.736	0.716	0.712	0.693	7.34
105)	TP	1,4-Dichlorobe		0.605	0.660	0.678	0.714	0.723	0.703	0.703	0.684	5.94
106)	TP	p-Diethylbenzene		0.572	0.728	0.771	0.845	0.872	0.844	0.846	0.783	13.52
107)	TP	n-Butylbenzene		0.925	1.105	1.156	1.279	1.296	1.236	1.228	1.175	10.98
108)	TP	1,2-Dichlorobe		0.522	0.579	0.594	0.634	0.640	0.627	0.618	0.602	6.90
109)	TP	1,2,4,5-Tetram		0.835	0.975	1.037	1.123	1.150	1.122	1.134	1.054	10.93
110)	TP	1,2-Dibromo-3-		0.022	0.031	0.035	0.037	0.038	0.039	0.037	0.034	17.07
111)	TP	1,3,5-Trichlor		0.340	0.380	0.387	0.416	0.419	0.412	0.417	0.396	7.39
112)	TP	Hexachlorobuta		0.108	0.123	0.123	0.145	0.150	0.147	0.155	0.136	13.00
113)	TP	1,2,4-Trichlor		0.280	0.305	0.312	0.342	0.347	0.350	0.347	0.326#	8.31
114)	TP	Naphthalene		0.662	0.654	0.701	0.742	0.727	0.734	0.708	0.704	4.91
115)	TP	1,2,3-Trichlor		0.238	0.245	0.260	0.281	0.282	0.286	0.279	0.267#	7.35

Response Factor Report VOA105

Method Path : K:\VOA105\2025\251107AICAL\
Method File : V105_251107A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Nov 10 11:59:59 2025
Response Via : Initial Calibration

Calibration Files
L11 =V05251107A04.D L1 =V05251107A06.D L2 =V05251107A07.D L3 =V05251107A09.D L4 =V05251107A10.D
L6 =V05251107A11.D L8 =V05251107A12.D L10 =V05251107A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------	----------	ISTD	----------	----------	----------	----------	----------		
2)	TP	Dichlorodifluo...		0.308	0.252	0.337	0.348	0.371	0.368	0.363	0.335	12.69
3)	TP	Chloromethane		0.428	0.461	0.466	0.465	0.434	0.435	0.450	0.448	3.58
4)	TP	Vinyl chloride	0.353	0.309	0.300	0.350	0.353	0.355	0.358	0.363	0.343	7.05
5)	TP	Bromomethane		0.085	0.090	0.109	0.145	0.149	0.154		*Q	0.9984
6)	TP	Chloroethane		0.185	0.216	0.210	0.208	0.194	0.186	0.166	0.195	9.08
7)	TP	Trichlorofluor...		0.406	0.323	0.437	0.435	0.454	0.435	0.406	0.414	10.57
8)	TP	Ethyl ether		0.095	0.113	0.112	0.112	0.109	0.112	0.108	0.109	5.94
10)	TP	1,1-Dichloroet...		0.187	0.187	0.208	0.208	0.210	0.206	0.201	0.201	4.94
11)	TP	Carbon disulfide		0.705	0.673	0.717	0.700	0.722	0.709	0.699	0.703	2.24
12)	TP	Freon-113		0.200	0.149	0.218	0.211	0.230	0.226	0.219	0.208	13.37
13)	TP	Iodomethane									0.000#	-1.00
14)	TP	Acrolein			0.025	0.031	0.031	0.030	0.033	0.033	0.031	9.68
15)	TP	Methylene chlo...		0.262	0.262	0.253	0.243	0.228	0.234	0.232	0.245	5.79
17)	TP	Acetone			0.064	0.045	0.048	0.047	0.051	0.051	0.051	12.90
18)	TP	trans-1,2-Dich...		0.221	0.236	0.251	0.250	0.244	0.245	0.245	0.242	4.26
19)	TP	Methyl acetate			0.090	0.108	0.116	0.119	0.125	0.126	0.114	11.76
20)	TP	Methyl tert-bu...		0.458	0.480	0.522	0.545	0.555	0.586	0.582	0.533	9.19
21)	TP	tert-Butyl alc...		0.011	0.014	0.011	0.011	0.012	0.013	0.014	0.012	10.36
22)	TP	Diisopropyl ether		0.749	0.859	0.946	1.033	1.016	1.021	1.019	0.949	11.36
23)	TP	1,1-Dichloroet...		0.516	0.565	0.580	0.565	0.537	0.527	0.525	0.545	4.50
24)	TP	Halothane		0.172	0.169	0.193	0.189	0.190	0.187	0.185	0.183	5.10
25)	TP	Acrylonitrile			0.059	0.069	0.069	0.071	0.076	0.075	0.070	8.41
26)	TP	Ethyl tert-but...		0.584	0.621	0.718	0.794	0.798	0.819	0.816	0.736	13.24
27)	TP	Vinyl acetate			0.379	0.489	0.575	0.562	0.615	0.580	0.533	16.13
28)	TP	cis-1,2-Dichlo...		0.244	0.276	0.285	0.283	0.271	0.269	0.269	0.271	5.06
29)	TP	2,2-Dichloropr...		0.341	0.360	0.393	0.394	0.397	0.388	0.382	0.379	5.55
30)	TP	Bromochloromet...		0.094	0.130	0.127	0.124	0.114	0.109	0.104	0.114	11.58
31)	TP	Cyclohexane			0.347	0.562	0.575	0.632	0.629	0.628	0.562	19.51
32)	TP	Chloroform		0.486	0.504	0.491	0.481	0.454	0.445	0.436	0.471	5.51
33)	TP	Ethyl acetate			0.157	0.158	0.172	0.181	0.195	0.196	0.177	9.86

Response Factor Report VOA105

Method Path : K:\VOA105\2025\251107AICAL\
Method File : V105_251107A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Nov 10 11:59:59 2025
Response Via : Initial Calibration

Calibration Files
L11 =V05251107A04.D L1 =V05251107A06.D L2 =V05251107A07.D L3 =V05251107A09.D L4 =V05251107A10.D
L6 =V05251107A11.D L8 =V05251107A12.D L10 =V05251107A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
34)	TP	Carbon tetrach...	0.431	0.348	0.320	0.392	0.394	0.414	0.405	0.397	0.388	9.34
35)	TP	Tetrahydrofuran			0.061	0.055	0.054	0.058	0.061	0.060	0.058	5.30
36)	S	Dibromofluorom...	0.297	0.296	0.285	0.279	0.271	0.264	0.262	0.252	0.276	5.92
37)	TP	1,1,1-Trichlor...		0.383	0.388	0.434	0.434	0.435	0.424	0.415	0.416	5.31
39)	TP	2-Butanone			0.059	0.069	0.076	0.078	0.084	0.085	0.075	13.35
40)	TP	1,1-Dichloropr...		0.262	0.263	0.337	0.346	0.359	0.359	0.362	0.327	13.76
41)	TP	Benzene	0.918	0.832	1.003	1.078	1.082	1.053	1.052	1.061	1.010	8.87
42)	TP	tert-Amyl meth...		0.353	0.412	0.467	0.524	0.539	0.574	0.584	0.493	17.52
43)	S	1,2-Dichloroet...	0.364	0.372	0.358	0.369	0.332	0.323	0.325	0.322	0.346	6.41
44)	TP	1,2-Dichloroet...	0.353	0.377	0.388	0.373	0.369	0.351	0.350	0.339	0.363	4.59
47)	TP	Methyl cyclohe...			0.242	0.379	0.385	0.454	0.465	0.477	*L	0.9980
48)	TP	Trichloroethene	0.298	0.252	0.274	0.274	0.280	0.277	0.275	0.277	0.276	4.49
50)	TP	Dibromomethane		0.121	0.133	0.133	0.132	0.131	0.135	0.137	0.132	3.82
51)	TP	1,2-Dichloropr...		0.252	0.275	0.291	0.296	0.292	0.294	0.302	0.286	6.02
53)	TP	2-Chloroethyl ...			0.042	0.083	0.097	0.105	0.117	0.124	*L	0.9946
54)	TP	Bromodichlorom...		0.313	0.344	0.351	0.347	0.349	0.348	0.349	0.343	3.87
57)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	7.75
58)	TP	cis-1,3-Dichlo...	0.230	0.275	0.322	0.368	0.398	0.401	0.413	0.422	*Q	0.9998
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.234	1.234	1.275	1.286	1.286	1.265	1.250	1.287	1.265	1.79
61)	TP	Toluene		0.673	0.806	0.807	0.833	0.802	0.796	0.821	0.791	6.78
62)	TP	4-Methyl-2-pen...			0.057	0.064	0.075	0.079	0.088	0.092	0.076	17.66
63)	TP	Tetrachloroethene	0.331	0.279	0.316	0.352	0.356	0.363	0.356	0.360	0.339	8.57
65)	TP	trans-1,3-Dich...	0.222	0.263	0.338	0.390	0.436	0.432	0.440	0.451	*Q	0.9997
67)	TP	Ethyl methacry...			0.198	0.226	0.263	0.271	0.290	0.306	0.259	15.53
68)	TP	1,1,2-Trichlor...		0.151	0.182	0.186	0.196	0.189	0.192	0.199	0.185#	8.80
69)	TP	Chlorodibromom...		0.253	0.278	0.287	0.310	0.305	0.309	0.316	0.294	7.69
70)	TP	1,3-Dichloropr...		0.345	0.397	0.406	0.424	0.410	0.419	0.436	0.405	7.26
71)	TP	1,2-Dibromoethane		0.172	0.198	0.217	0.231	0.226	0.231	0.242	0.217	11.06
72)	TP	2-Hexanone			0.098	0.109	0.129	0.134	0.149	0.156	0.129	17.42
73)	TP	Chlorobenzene		0.804	0.909	0.886	0.917	0.885	0.881	0.904	0.884	4.27

Response Factor Report VOA105

Method Path : K:\VOA105\2025\251107AICAL\
Method File : V105_251107A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Nov 10 11:59:59 2025
Response Via : Initial Calibration

Calibration Files
L11 =V05251107A04.D L1 =V05251107A06.D L2 =V05251107A07.D L3 =V05251107A09.D L4 =V05251107A10.D
L6 =V05251107A11.D L8 =V05251107A12.D L10 =V05251107A13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
74) TP	Ethylbenzene		1.310	1.440	1.609	1.649	1.606	1.592	1.629	1.548	8.09
75) TP	1,1,1,2-Tetrac...		0.262	0.306	0.317	0.344	0.334	0.331	0.333	0.318	8.68
76) TP	p/m Xylene		0.424	0.545	0.619	0.631	0.606	0.600	0.604	0.576	12.51
77) TP	o Xylene		0.389	0.535	0.583	0.609	0.583	0.579	0.583	0.552	13.59
78) TP	Styrene		0.605	0.891	0.972	1.005	0.954	0.944	0.939	0.901	15.00
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.276	0.276	0.282	0.301	0.305	0.321	0.336	0.299	7.78
82) TP	Isopropylbenzene		1.943	2.293	2.760	2.860	3.018	3.058	3.033	2.709	15.86
83) S	4-Bromofluorob...	0.887	0.838	0.873	0.846	0.850	0.822	0.846	0.901	0.858	3.12
84) TP	Bromobenzene		0.578	0.635	0.634	0.646	0.622	0.641	0.670	0.632	4.45
85) TP	n-Propylbenzene		2.601	2.895	3.386	3.425	3.415	3.472	3.585	3.254	11.12
86) TP	1,4-Dichlorobu...		0.797	0.837	0.866	0.881	0.850	0.914	0.956	0.871	5.98
87) TP	1,1,2,2-Tetrac...	0.357	0.421	0.422	0.432	0.437	0.430	0.475	0.499	0.434	9.56
88) TP	4-Ethyltoluene		1.901	2.366	2.752	2.844	2.813	2.860	2.901	2.634	14.04
89) TP	2-Chlorotoluene		1.610	1.937	2.072	2.071	1.929	1.958	2.038	1.945	8.23
90) TP	1,3,5-Trimethy...		1.632	2.006	2.352	2.441	2.417	2.466	2.502	2.259	14.29
91) TP	1,2,3-Trichlor...		0.340	0.373	0.362	0.368	0.367	0.400	0.415	0.375	6.64
92) TP	trans-1,4-Dich...		0.109	0.147	0.152	0.161	0.152	0.169	0.173	0.152	13.93
93) TP	4-Chlorotoluene		1.620	1.986	2.049	2.111	2.042	2.083	2.142	2.005	8.83
94) TP	tert-Butylbenzene		1.385	1.657	2.016	2.075	2.110	2.161	2.200	1.944	15.69
97) TP	1,2,4-Trimethy...		1.401	1.934	2.230	2.360	2.366	2.429	2.464	2.169	17.64
98) TP	sec-Butylbenzene		1.960	2.357	2.838	2.901	3.037	3.132	3.149	2.767	16.12
99) TP	p-Isopropyltol...		1.481	1.959	2.483	2.567	2.676	2.739	2.722	*L	0.9996
100) TP	1,3-Dichlorobe...		1.055	1.207	1.263	1.286	1.248	1.262	1.270	1.227	6.52
101) TP	1,4-Dichlorobe...		1.264	1.357	1.260	1.299	1.250	1.275	1.273	1.282	2.83
102) TP	p-Diethylbenzene			1.108	1.381	1.488	1.556	1.610	1.619	1.460	13.27
103) TP	n-Butylbenzene		1.504	1.746	2.133	2.180	2.320	2.391	2.399	2.096	16.41
104) TP	1,2-Dichlorobe...		0.979	1.101	1.103	1.143	1.101	1.136	1.133	1.099	5.09
105) TP	1,2,4,5-Tetram...			1.503	1.922	2.172	2.233	2.314	2.342	2.081	15.40
106) TP	1,2-Dibromo-3-...		0.054	0.057	0.057	0.063	0.066	0.074	0.075	0.064	13.11
107) TP	1,3,5-Trichlor...		0.660	0.765	0.814	0.858	0.861	0.884	0.874	0.817	9.84

Method Path : K:\VOA105\2025\251107AICAL\
Method File : V105_251107A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Nov 10 11:59:59 2025
Response Via : Initial Calibration

Calibration Files
L11 =V05251107A04.D L1 =V05251107A06.D L2 =V05251107A07.D L3 =V05251107A09.D L4 =V05251107A10.D
L6 =V05251107A11.D L8 =V05251107A12.D L10 =V05251107A13.D

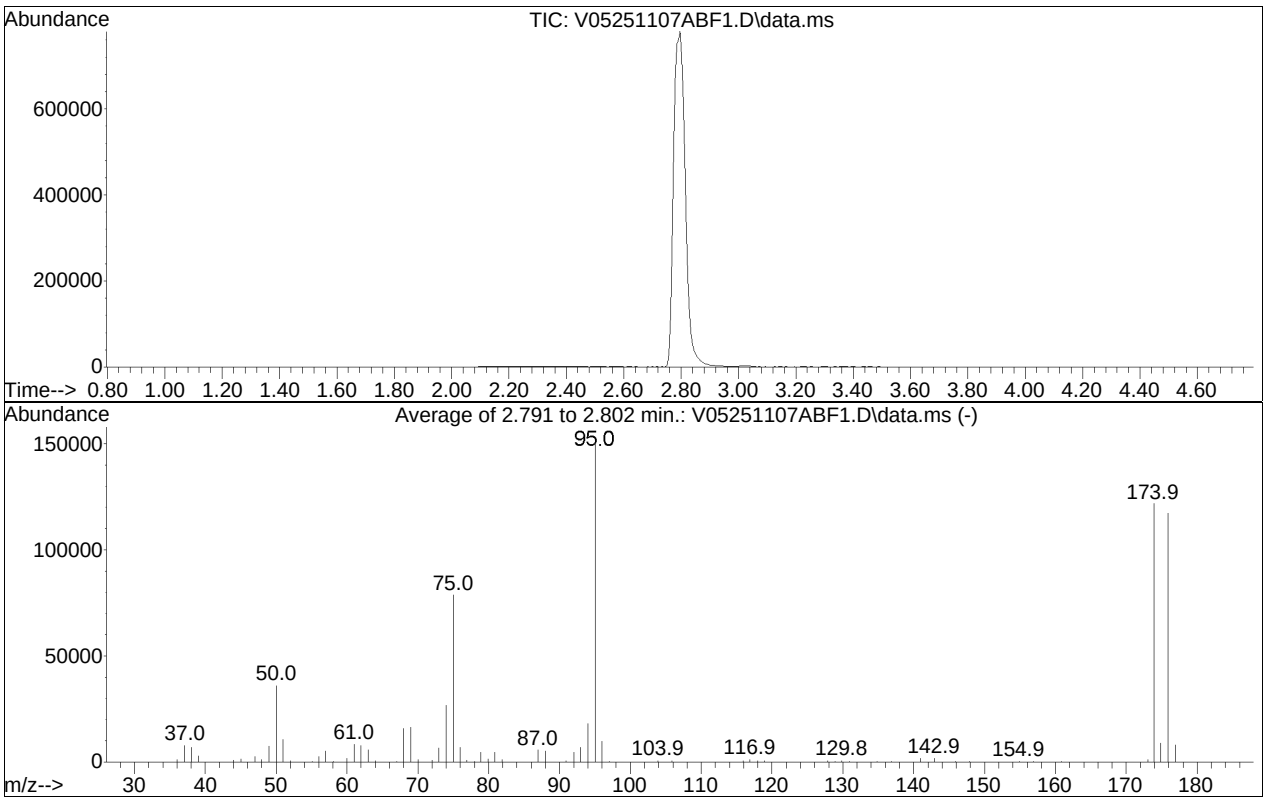
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
108)	TP Hexachlorobuta...	0.259	0.273	0.292	0.307	0.334	0.347	0.340	0.307		11.18
109)	TP 1,2,4-Trichlor...	0.521	0.600	0.655	0.707	0.710	0.745	0.730	0.667		12.14
110)	TP Naphthalene	0.883	0.998	1.165	1.322	1.351	1.496	1.472	1.241		18.90
111)	TP 1,2,3-Trichlor...	0.430	0.501	0.519	0.552	0.550	0.600	0.585	0.534		10.71

(#) = Out of Range

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107ABF1.D
Acq On : 7 Nov 2025 1:00 pm
Operator : VOA105:PID
Sample : WG2139579-1
Misc : WG2139579
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA135\2025\251110CSIM\V122_251024N_VCSIM.m
Title : VOLATILES BY GC/MS
Last Update : Sat Oct 25 08:34:27 2025



AutoFind: Scans 129, 130, 131; Background Corrected with Scan 118

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.0	36120	PASS
75	95	30	60	52.3	78768	PASS
95	95	100	100	100.0	150528	PASS
96	95	5	9	6.4	9709	PASS
173	174	0.00	2	0.9	1138	PASS
174	95	50	100	80.9	121776	PASS
175	174	5	9	7.5	9132	PASS
176	174	95	101	96.4	117341	PASS
177	176	5	9	6.8	8030	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A04.D
Acq On : 7 Nov 2025 2:37 pm
Operator : VOA105:PID
Sample : I8260STD0.19PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 10 11:45:46 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:43:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251107AICAL\V05251107A09.D
Sub List : 8260-L11_NJnew - L11 new NJ

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.513	96	318732	10.000	ug/L	0.00
Standard Area 1 = 340730			Recovery =	93.54%		
59) Chlorobenzene-d5	8.985	117	250893	10.000	ug/L	0.00
Standard Area 1 = 264274			Recovery =	94.94%		
79) 1,4-Dichlorobenzene-d4	11.797	152	138060	10.000	ug/L	0.00
Standard Area 1 = 153832			Recovery =	89.75%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.739	113	94654	10.646	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	106.46%		
43) 1,2-Dichloroethane-d4	5.245	65	115892	9.864	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.64%		
60) Toluene-d8	7.164	98	309526	9.596	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.96%		
83) 4-Bromofluorobenzene	10.531	95	122497	10.492	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.92%		
Target Compounds						Qvalue
4) Vinyl chloride	1.657	62	2140	0.192	ug/L	98
34) Carbon tetrachloride	4.670	117	2612	0.209	ug/L #	84
41) Benzene	5.111	78	5561M6	0.162	ug/L	
44) 1,2-Dichloroethane	5.323	62	2135	0.179	ug/L #	92
48) Trichloroethene	5.697	95	1803M6	0.207	ug/L	
58) cis-1,3-Dichloropropene	6.995	75	1392	0.119	ug/L	88
63) Tetrachloroethene	7.658	166	1577	0.179	ug/L	96
65) trans-1,3-Dichloropropene	7.736	75	1056	0.108	ug/L #	80
87) 1,1,2,2-Tetrachloroethane	10.814	83	937	0.157	ug/L #	84

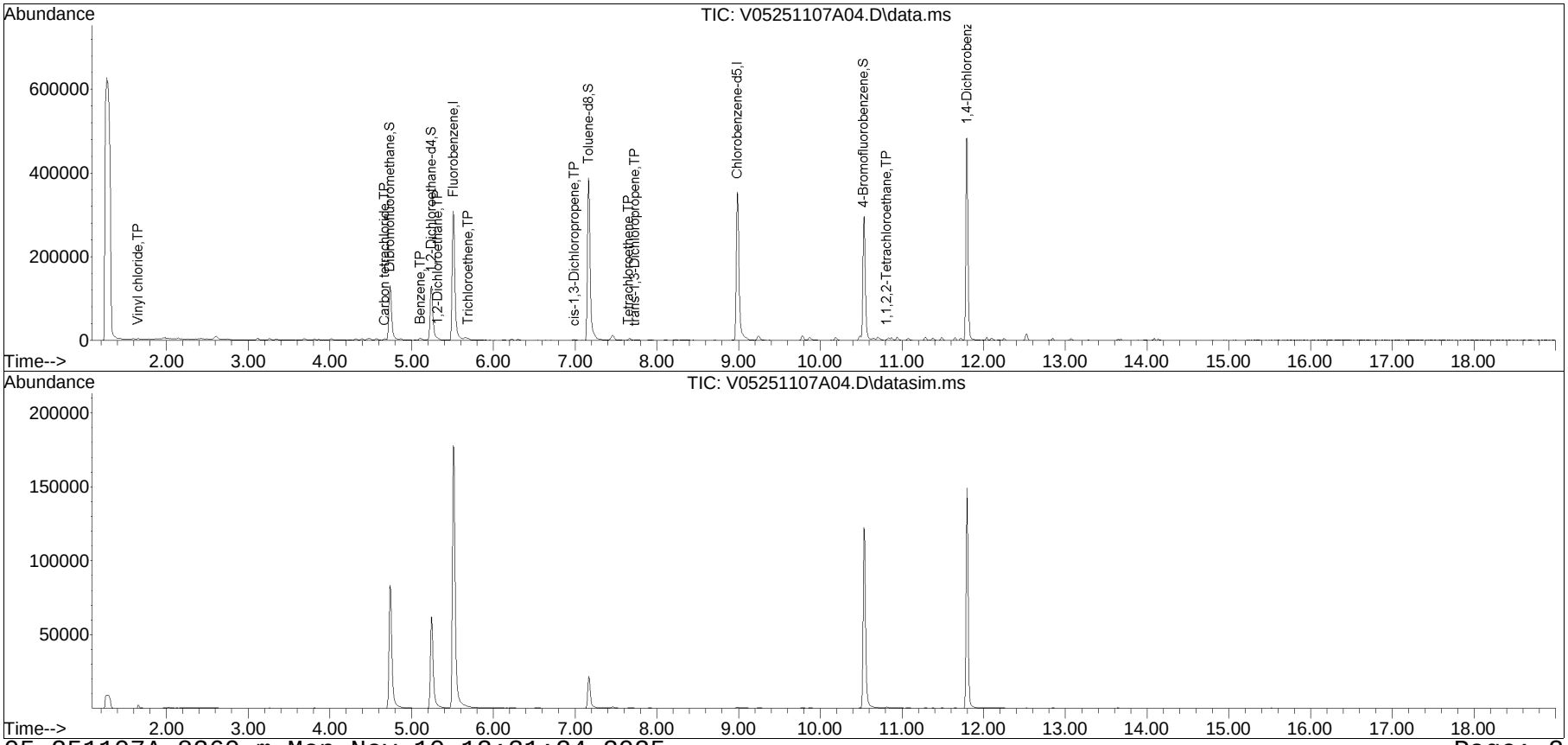
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A04.D
Acq On : 7 Nov 2025 2:37 pm
Operator : VOA105:PID
Sample : I8260STD0.19PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 10 11:45:46 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:43:56 2025
Response via : Initial Calibration

Sub List : 8260-L11_NJnew - L11 new NJCAL\V05251107A09.D•

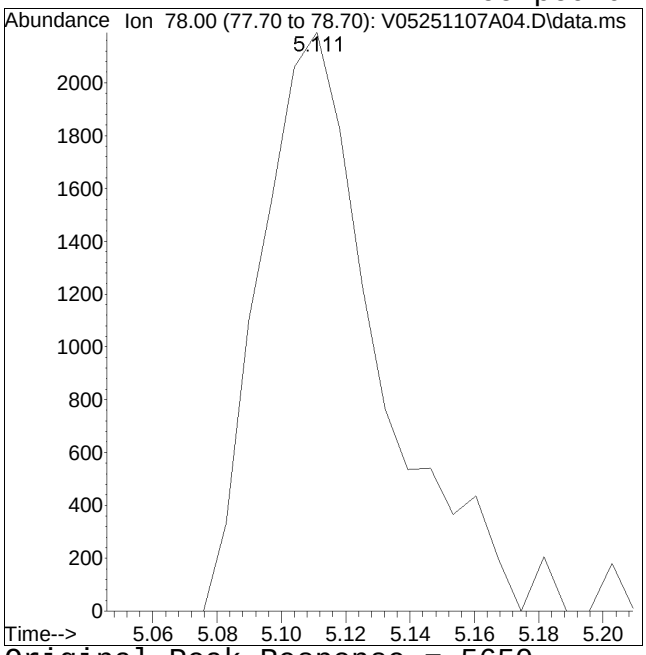


Manual Integration Report

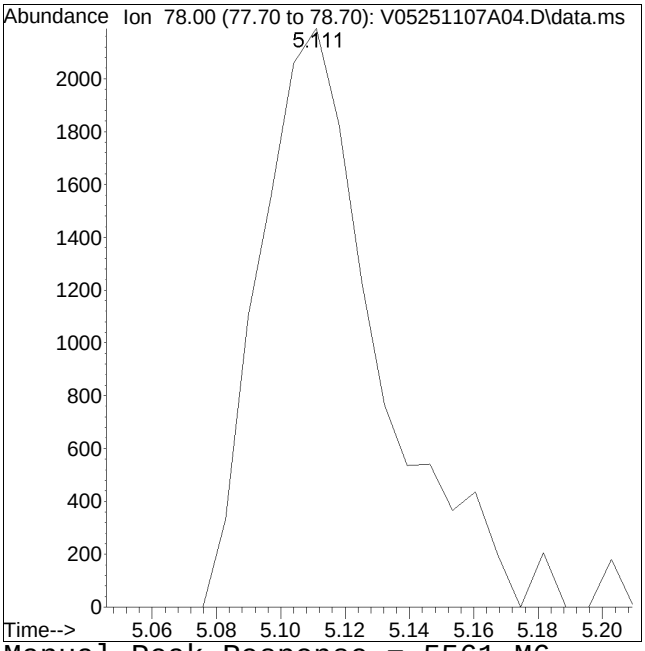
Data Path : K:\VOA105\2025\251107AICALQ
Data File : V05251107A04.D
Date Inj'd : 11/7/2025 2:37 pm
Sample : I8260STD0.19PPB

Method : V105_251107A_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 11/10/2025 11:45 am

Compound #41: Benzene



Original Peak Response = 5650



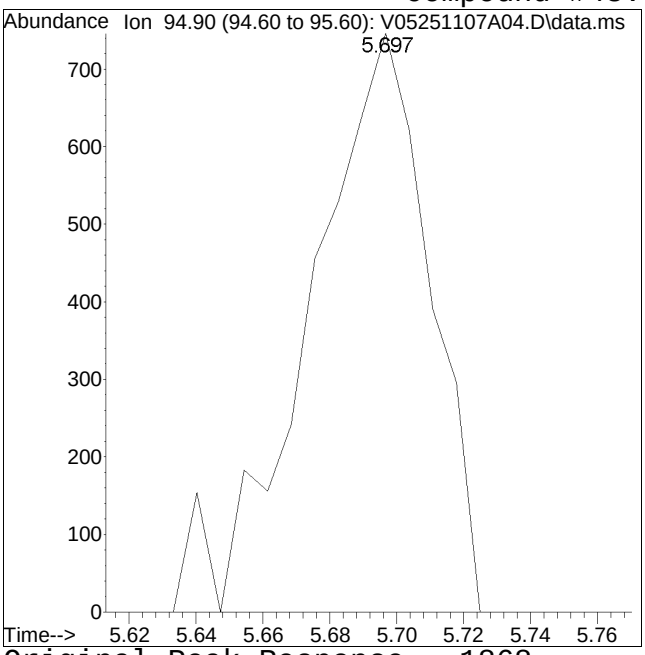
Manual Peak Response = 5561 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

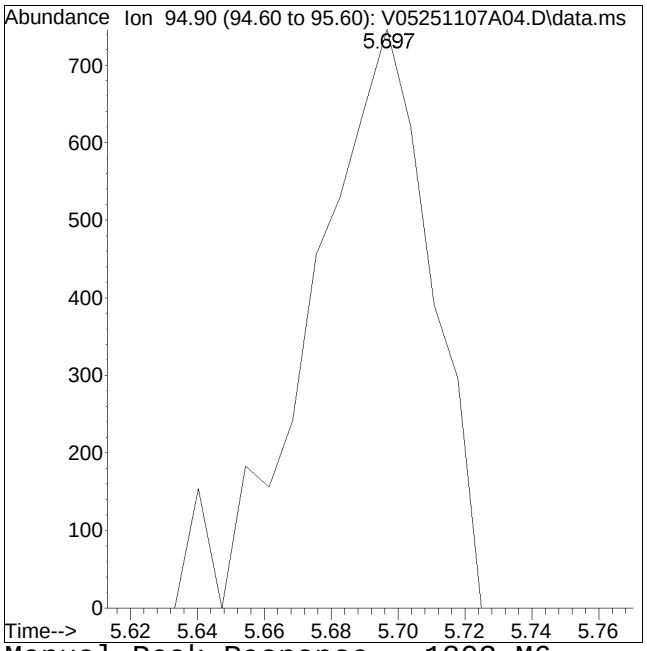
Manual Integration Report

Data Path : K:\VOA105\2025\251107AICALQMethod : V105_251107A_8260.m
Data File : V05251107A04.D Operator : VOA105:PID
Date Inj'd : 11/7/2025 2:37 pm Instrument : VOA105
Sample : I8260STD0.19PPB Quant Date : 11/10/2025 11:45 am

Compound #48: Trichloroethene



Original Peak Response = 1868



Manual Peak Response = 1803 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A06.D
Acq On : 7 Nov 2025 4:02 pm
Operator : VOA105:PID
Sample : I8260STD0.5PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 10 11:47:37 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:45:54 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251107AICAL\V05251107A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.513	96	315200	10.000 ug/L	0.00
Standard Area 1 = 340730			Recovery = 92.51%		
59) Chlorobenzene-d5	8.985	117	249409	10.000 ug/L	0.00
Standard Area 1 = 264274			Recovery = 94.38%		
79) 1,4-Dichlorobenzene-d4	11.790	152	141034	10.000 ug/L	0.00
Standard Area 1 = 153832			Recovery = 91.68%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.739	113	93353	10.285 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.85%		
43) 1,2-Dichloroethane-d4	5.238	65	117410	10.174 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.74%		
60) Toluene-d8	7.164	98	307806	9.798 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.98%		
83) 4-Bromofluorobenzene	10.531	95	118243	9.676 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.76%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.430	85	4860	0.457 ug/L	95
3) Chloromethane	1.595	50	6741	0.459 ug/L	94
4) Vinyl chloride	1.657	62	4867	0.439 ug/L	97
5) Bromomethane	1.925	94	1335	0.388 ug/L	94
6) Chloroethane	2.028	64	2915	0.441 ug/L	96
7) Trichlorofluoromethane	2.144	101	6406	0.465 ug/L	94
8) Ethyl ether	2.419	74	1490	0.422 ug/L #	47
10) 1,1-Dichloroethene	2.590	96	2953	0.451 ug/L	96
11) Carbon disulfide	2.618	76	11107	0.492 ug/L	99
12) Freon-113	2.618	101	3152	0.459 ug/L	91
13) Iodomethane	0.000		0	N.D.	
14) Acrolein	0.000		0	N.D. d	
15) Methylene chloride	3.119	84	4128	0.518 ug/L	94
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	3.256	96	3485	0.441 ug/L	95
19) Methyl acetate	0.000		0	N.D. d	
20) Methyl tert-butyl ether	3.352	73	7223	0.439 ug/L #	74
21) tert-Butyl alcohol	3.469	59	869	2.430 ug/L #	88
22) Diisopropyl ether	3.689	45	11811	0.396 ug/L	87
23) 1,1-Dichloroethane	3.812	63	8139	0.445 ug/L	97
24) Halothane	3.874	117	2703	0.445 ug/L	95

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A06.D
Acq On : 7 Nov 2025 4:02 pm
Operator : VOA105:PID
Sample : I8260STD0.5PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 10 11:47:37 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:45:54 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251107AICAL\V05251107A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
25) Acrylonitrile	0.000		0	N.D. d	
26) Ethyl tert-butyl ether	4.018	59	9208	0.407 ug/L #	63
27) Vinyl acetate	0.000		0	N.D. d	
28) cis-1,2-Dichloroethene	4.320	96	3841	0.428 ug/L	97
29) 2,2-Dichloropropane	4.389	77	5373	0.433 ug/L	93
30) Bromochloromethane	4.499	128	1478	0.370 ug/L #	60
31) Cyclohexane	4.471	56	6990M6	0.395 ug/L	
32) Chloroform	4.560	83	7657	0.495 ug/L	95
33) Ethyl acetate	0.000		0	N.D. d	
34) Carbon tetrachloride	4.677	117	5490	0.423 ug/L	97
35) Tetrahydrofuran	0.000		0	N.D. d	
37) 1,1,1-Trichloroethane	4.746	97	6034	0.442 ug/L	98
39) 2-Butanone	0.000		0	N.D. d	
40) 1,1-Dichloropropene	4.869	75	4126	0.389 ug/L	97
41) Benzene	5.104	78	13108	0.417 ug/L	95
42) tert-Amyl methyl ether	5.210	73	5566	0.378 ug/L	96
44) 1,2-Dichloroethane	5.323	62	5944	0.520 ug/L	94
47) Methyl cyclohexane	5.654	83	4772	0.399 ug/L	93
48) Trichloroethene	5.690	95	3973	0.441 ug/L	88
50) Dibromomethane	6.127	93	1910	0.455 ug/L	95
51) 1,2-Dichloropropane	6.212	63	3967	0.432 ug/L	91
53) 2-Chloroethyl vinyl ether	0.000		0	N.D.	
54) Bromodichloromethane	6.296	83	4936	0.446 ug/L #	95
57) 1,4-Dioxane	6.522	88	3360	98.716 ug/L	91
58) cis-1,3-Dichloropropene	6.981	75	4339	0.460 ug/L	93
61) Toluene	7.228	92	8390	0.417 ug/L	99
62) 4-Methyl-2-pentanone	0.000		0	N.D. d	
63) Tetrachloroethene	7.665	166	3480	0.409 ug/L	97
65) trans-1,3-Dichloropropene	7.743	75	3284	0.431 ug/L	92
67) Ethyl methacrylate	7.926	69	1850	0.328 ug/L #	83
68) 1,1,2-Trichloroethane	7.898	83	1877	0.405 ug/L	90
69) Chlorodibromomethane	8.110	129	3159	0.441 ug/L	96
70) 1,3-Dichloropropane	8.216	76	4302	0.425 ug/L	96
71) 1,2-Dibromoethane	8.378	107	2150	0.396 ug/L	98
72) 2-Hexanone	8.709	43	956	0.352 ug/L #	72
73) Chlorobenzene	9.006	112	10027	0.454 ug/L #	80
74) Ethylbenzene	9.055	91	16332	0.407 ug/L	94
75) 1,1,1,2-Tetrachloroethane	9.098	131	3270	0.413 ug/L #	76
76) p/m Xylene	9.239	106	10585	0.686 ug/L	89
77) o Xylene	9.782	106	9707	0.667 ug/L	96

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A06.D
Acq On : 7 Nov 2025 4:02 pm
Operator : VOA105:PID
Sample : I8260STD0.5PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 10 11:47:37 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:45:54 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251107AICAL\V05251107A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	9.860	104	15089	0.622	ug/L		98
80) Bromoform	9.888	173	1943	0.489	ug/L		97
82) Isopropylbenzene	10.184	105	13699	0.352	ug/L		96
84) Bromobenzene	10.651	156	4074	0.456	ug/L		98
85) n-Propylbenzene	10.701	91	18342	0.384	ug/L		95
86) 1,4-Dichlorobutane	10.729	55	5617	0.460	ug/L		97
87) 1,1,2,2-Tetrachloroethane	10.814	83	2968	0.533	ug/L		93
88) 4-Ethyltoluene	10.835	105	13408	0.345	ug/L		95
89) 2-Chlorotoluene	10.878	91	11351M6	0.388	ug/L		
90) 1,3,5-Trimethylbenzene	10.941	105	11507	0.347	ug/L		100
91) 1,2,3-Trichloropropane	10.955	75	2399	0.469	ug/L		95
92) trans-1,4-Dichloro-2-b...	11.012	53	769	0.359	ug/L	#	91
93) 4-Chlorotoluene	11.068	91	11423	0.395	ug/L		94
94) tert-Butylbenzene	11.288	119	9765	0.343	ug/L		93
97) 1,2,4-Trimethylbenzene	11.380	105	9880	0.314	ug/L		100
98) sec-Butylbenzene	11.486	105	13818	0.345	ug/L		98
99) p-Isopropyltoluene	11.649	119	10444	0.298	ug/L		98
100) 1,3-Dichlorobenzene	11.719	146	7437	0.418	ug/L		98
101) 1,4-Dichlorobenzene	11.811	146	8912M3	0.501	ug/L		
102) p-Diethylbenzene	12.030	119	6261	0.321	ug/L		96
103) n-Butylbenzene	12.094	91	10606M6	0.353	ug/L		
104) 1,2-Dichlorobenzene	12.243	146	6905M6	0.444	ug/L		
105) 1,2,4,5-Tetramethylben...	12.844	119	8133M4	0.300	ug/L		
106) 1,2-Dibromo-3-chloropr...	13.035	155	378	0.470	ug/L	#	77
107) 1,3,5-Trichlorobenzene	13.070	180	4656	0.405	ug/L		98
108) Hexachlorobutadiene	13.643	225	1824	0.443	ug/L		98
109) 1,2,4-Trichlorobenzene	13.671	180	3677	0.398	ug/L		96
110) Naphthalene	13.969	128	6228	0.379	ug/L		100
111) 1,2,3-Trichlorobenzene	14.131	180	3033	0.414	ug/L		91

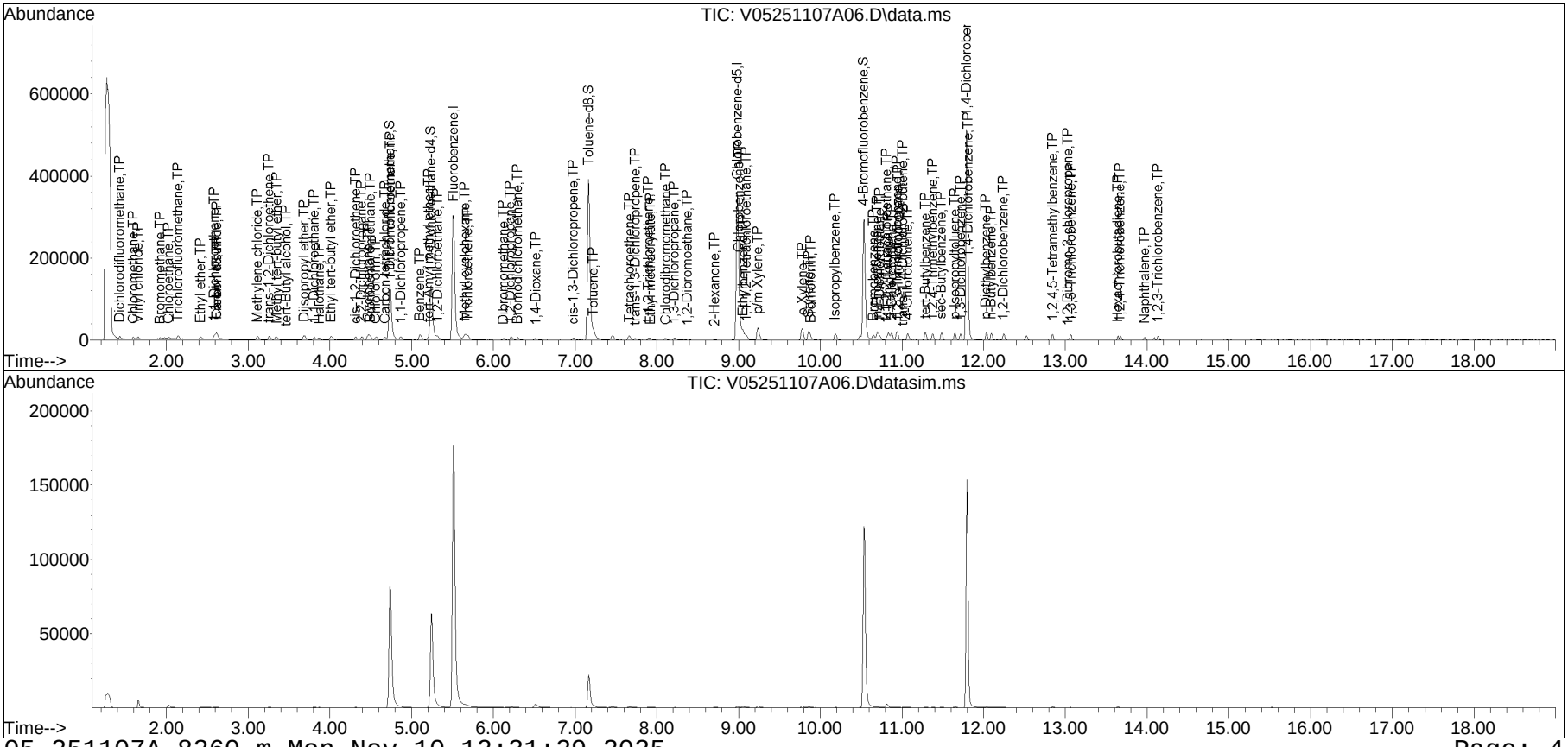
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A06.D
Acq On : 7 Nov 2025 4:02 pm
Operator : VOA105:PID
Sample : I8260STD0.5PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 10 11:47:37 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:45:54 2025
Response via : Initial Calibration

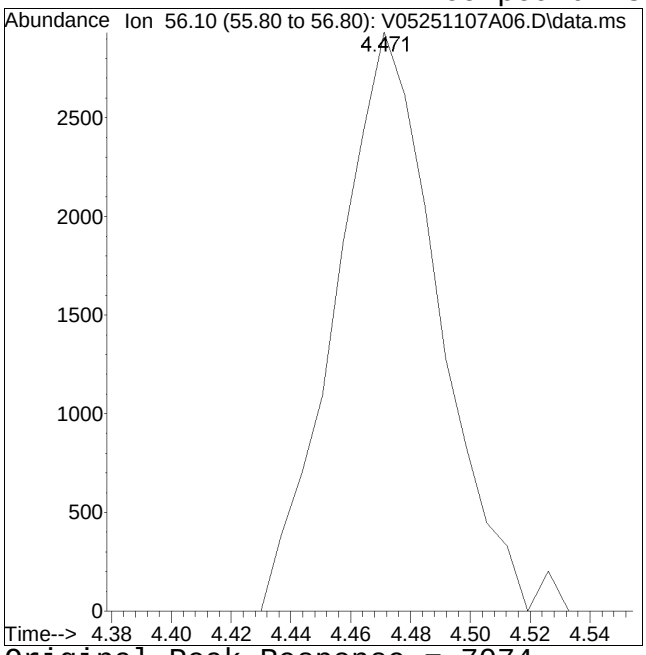
Sub List : 8260-Curve - Megamix plus Diox\V05251107A09.D•



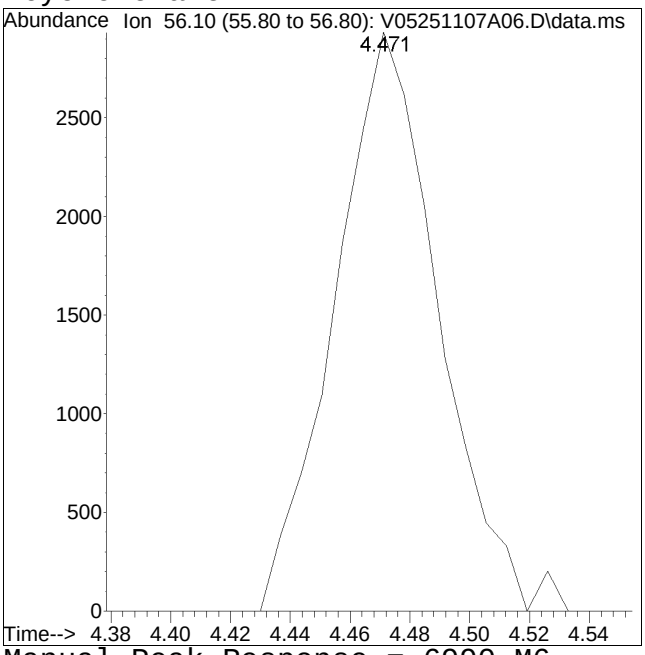
Manual Integration Report

Data Path : K:\VOA105\2025\251107AICALQMethod : V105_251107A_8260.m
Data File : V05251107A06.D Operator : VOA105:PID
Date Inj'd : 11/7/2025 4:02 pm Instrument : VOA105
Sample : I8260STD0.5PPB Quant Date : 11/10/2025 11:46 am

Compound #31: Cyclohexane



Original Peak Response = 7074



Manual Peak Response = 6990 M6

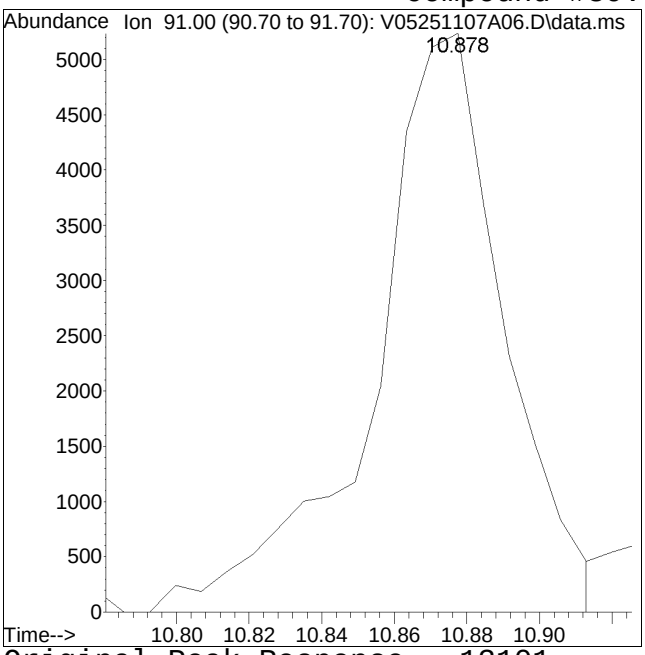
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

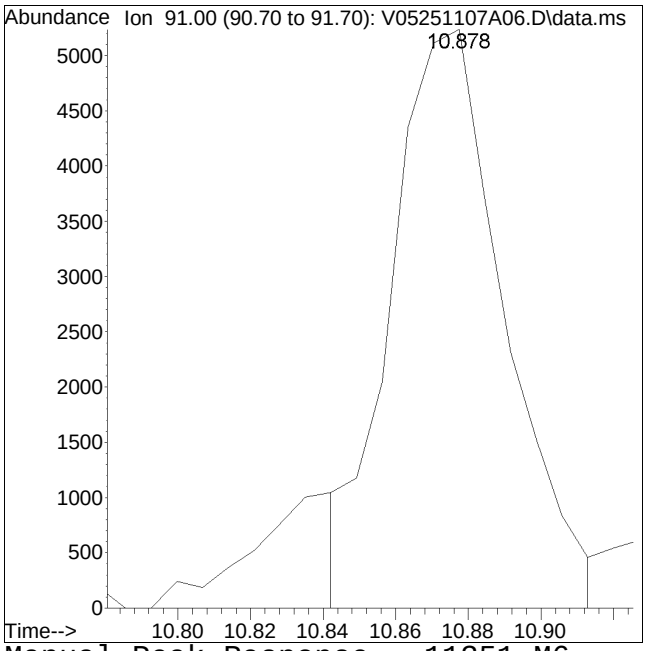
Data Path : K:\VOA105\2025\251107AICALQ
Data File : V05251107A06.D
Date Inj'd : 11/7/2025 4:02 pm
Sample : I8260STD0.5PPB

Method : V105_251107A_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 11/10/2025 11:46 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 13101



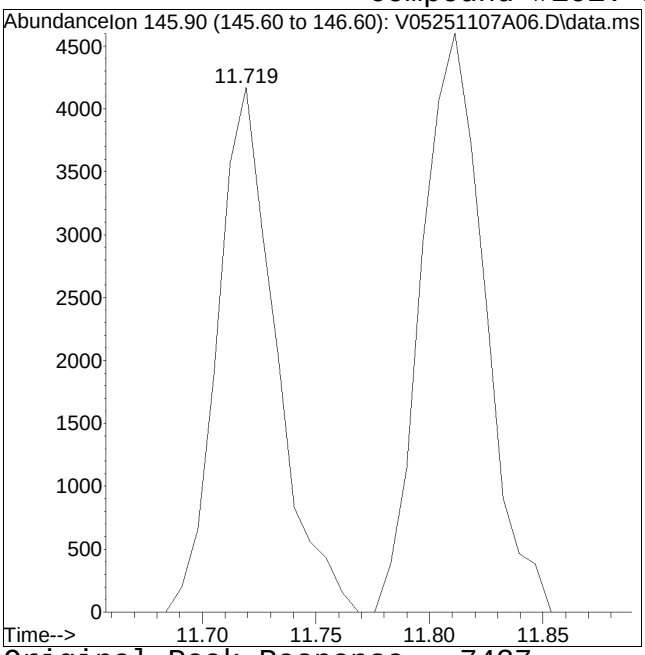
Manual Peak Response = 11351 M6

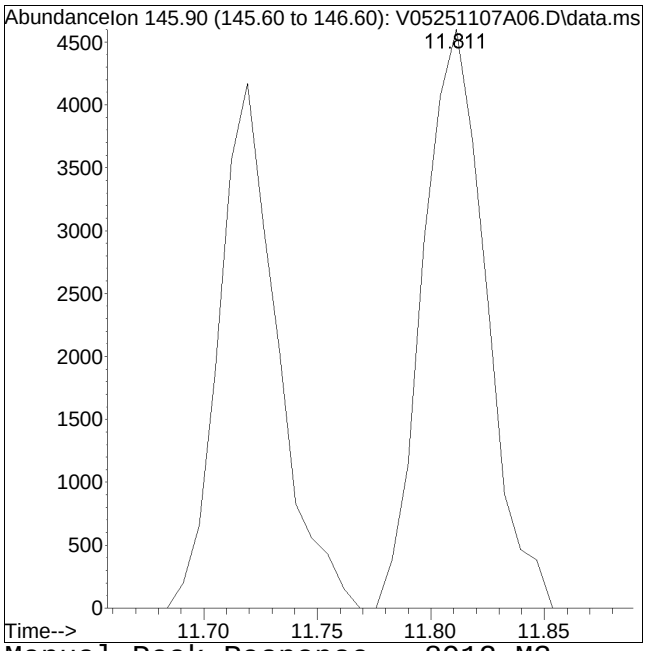
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\VOA105\2025\251107AICALQMethod : V105_251107A_8260.m
Data File : V05251107A06.D Operator : VOA105:PID
Date Inj'd : 11/7/2025 4:02 pm Instrument : VOA105
Sample : I8260STD0.5PPB Quant Date : 11/10/2025 11:46 am

Compound #101: 1,4-Dichlorobenzene





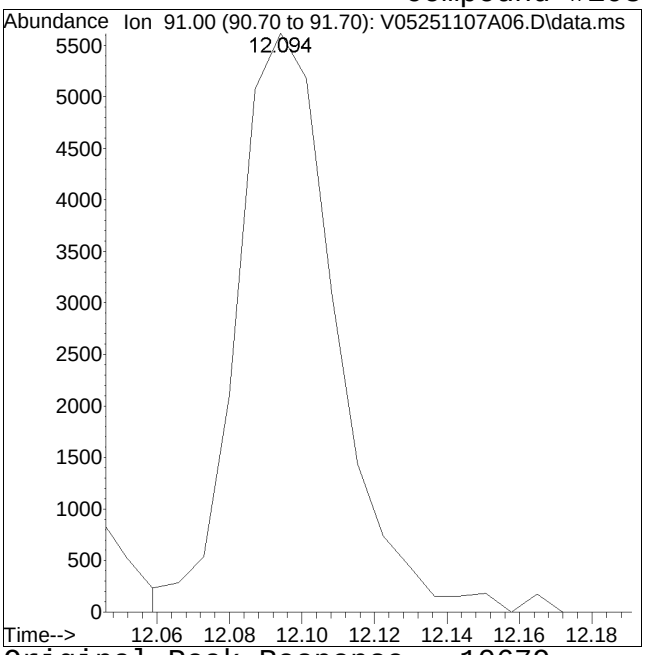
Original Peak Response = 7437 Manual Peak Response = 8912 M3

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

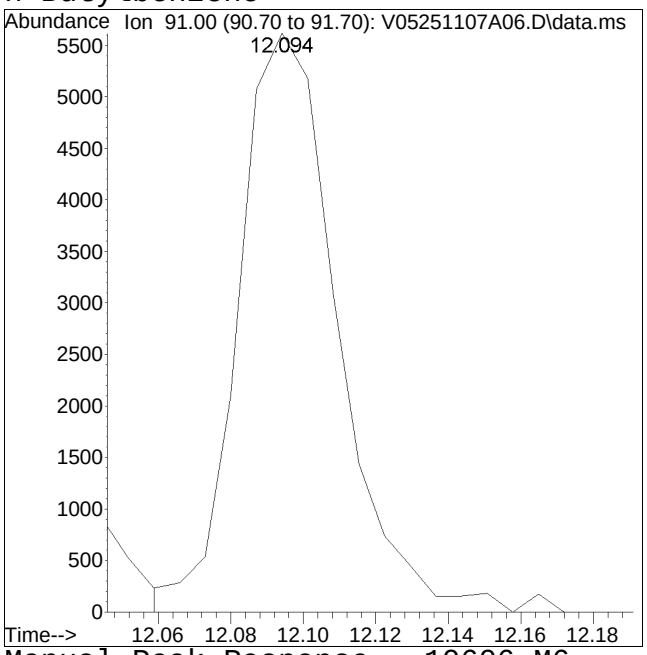
Manual Integration Report

Data Path : K:\VOA105\2025\251107AICALQMethod : V105_251107A_8260.m
Data File : V05251107A06.D Operator : VOA105:PID
Date Inj'd : 11/7/2025 4:02 pm Instrument : VOA105
Sample : I8260STD0.5PPB Quant Date : 11/10/2025 11:46 am

Compound #103: n-Butylbenzene



Original Peak Response = 10679



Manual Peak Response = 10606 M6

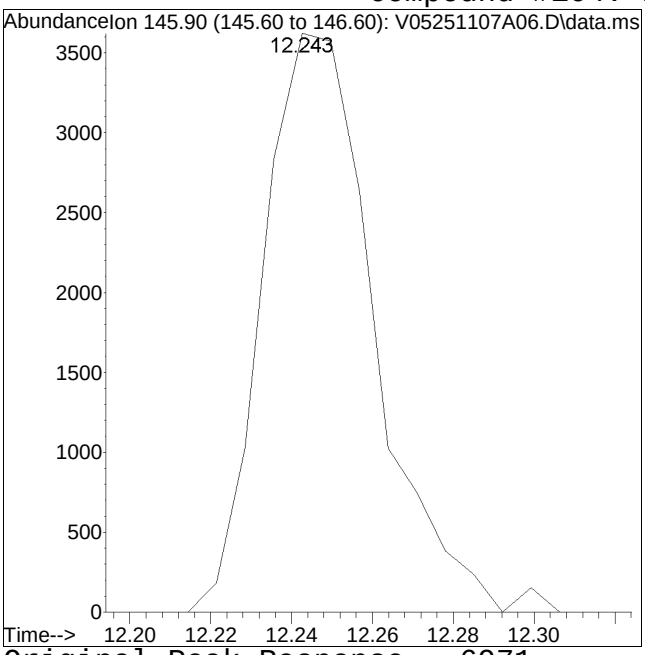
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

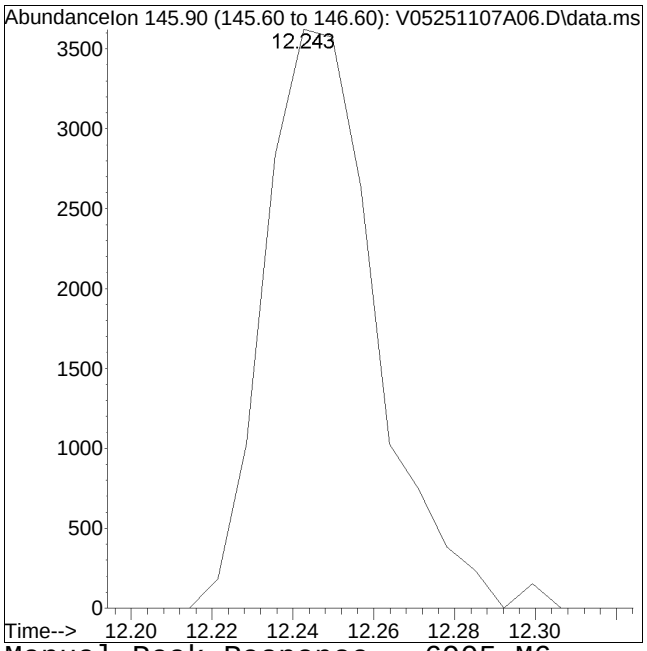
Data Path : K:\VOA105\2025\251107AICALQ
Data File : V05251107A06.D
Date Inj'd : 11/7/2025 4:02 pm
Sample : I8260STD0.5PPB

Method : V105_251107A_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 11/10/2025 11:46 am

Compound #104: 1,2-Dichlorobenzene



Original Peak Response = 6971



Manual Peak Response = 6905 M6

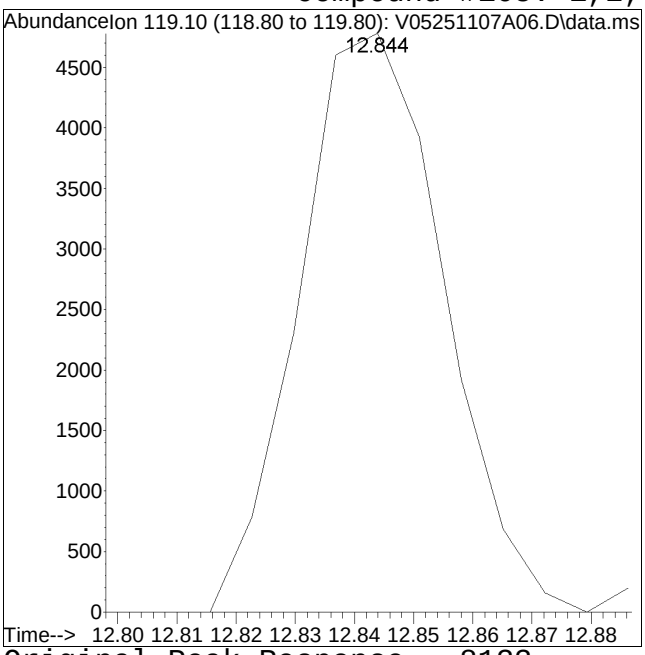
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

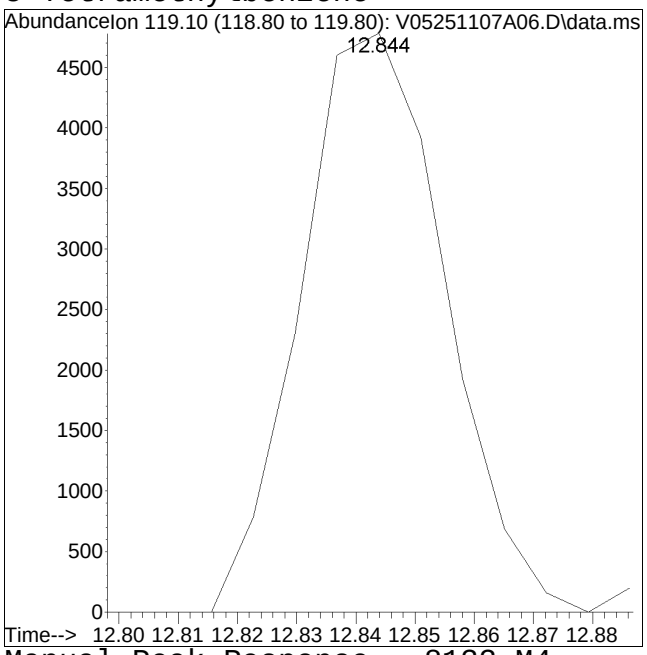
Data Path : K:\VOA105\2025\251107AICALQ
Data File : V05251107A06.D
Date Inj'd : 11/7/2025 4:02 pm
Sample : I8260STD0.5PPB

Method : V105_251107A_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 11/10/2025 11:46 am

Compound #105: 1,2,4,5-Tetramethylbenzene



Original Peak Response = 8133



Manual Peak Response = 8133 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A07.D
Acq On : 7 Nov 2025 4:28 pm
Operator : VOA105:PID
Sample : I8260STD2PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 10 11:49:01 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:47:45 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251107AICAL\V05251107A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.513	96	328718	10.000	ug/L	0.00
Standard Area 1 = 340730			Recovery = 96.47%			
59) Chlorobenzene-d5	8.992	117	247625	10.000	ug/L	0.00
Standard Area 1 = 264274			Recovery = 93.70%			
79) 1,4-Dichlorobenzene-d4	11.797	152	146697	10.000	ug/L	0.00
Standard Area 1 = 153832			Recovery = 95.36%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.739	113	93660	9.801	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.01%			
43) 1,2-Dichloroethane-d4	5.238	65	117618	9.717	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.17%			
60) Toluene-d8	7.164	98	315790	10.193	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.93%			
83) 4-Bromofluorobenzene	10.531	95	128095	10.188	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.88%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.430	85	16600	1.564	ug/L	99
3) Chloromethane	1.595	50	30299	2.064	ug/L	99
4) Vinyl chloride	1.657	62	19692	1.775	ug/L	96
5) Bromomethane	1.925	94	5921	1.858	ug/L	97
6) Chloroethane	2.021	64	14228	2.194	ug/L	94
7) Trichlorofluoromethane	2.144	101	21203	1.530	ug/L	94
8) Ethyl ether	2.419	74	7434	2.189	ug/L #	91
10) 1,1-Dichloroethene	2.590	96	12271	1.889	ug/L	96
11) Carbon disulfide	2.618	76	44254	1.894	ug/L	99
12) Freon-113	2.618	101	9781	1.425	ug/L #	51
13) Iodomethane	0.000		0	N.D.	d	
14) Acrolein	2.913	56	1633	1.602	ug/L	98
15) Methylene chloride	3.112	84	17217	2.034	ug/L	99
17) Acetone	3.194	43	4185	2.802	ug/L #	66
18) trans-1,2-Dichloroethene	3.256	96	15525	2.002	ug/L	99
19) Methyl acetate	3.297	43	5936	1.676	ug/L #	86
20) Methyl tert-butyl ether	3.345	73	31546	1.957	ug/L	96
21) tert-Butyl alcohol	3.476	59	4470	12.155	ug/L #	61
22) Diisopropyl ether	3.682	45	56473	2.027	ug/L	95
23) 1,1-Dichloroethane	3.805	63	37133	2.060	ug/L	100
24) Halothane	3.867	117	11089	1.853	ug/L	97

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A07.D
Acq On : 7 Nov 2025 4:28 pm
Operator : VOA105:PID
Sample : I8260STD2PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 10 11:49:01 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:47:45 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251107AICAL\V05251107A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.908	53	3907	1.735	ug/L	#	83
26) Ethyl tert-butyl ether	4.018	59	40831	1.907	ug/L	#	62
27) Vinyl acetate	4.059	43	24933M1	1.550	ug/L		
28) cis-1,2-Dichloroethene	4.313	96	18119	2.085	ug/L		98
29) 2,2-Dichloropropane	4.396	77	23656	1.960	ug/L		96
30) Bromochloromethane	4.499	128	8556	2.362	ug/L		95
31) Cyclohexane	4.471	56	22809	1.380	ug/L		100
32) Chloroform	4.567	83	33157	2.065	ug/L		97
33) Ethyl acetate	4.705	43	10346	1.997	ug/L	#	91
34) Carbon tetrachloride	4.670	117	21040	1.639	ug/L		98
35) Tetrahydrofuran	4.718	42	4007	2.204	ug/L		92
37) 1,1,1-Trichloroethane	4.739	97	25536	1.903	ug/L		97
39) 2-Butanone	4.890	43	3847	1.693	ug/L	#	84
40) 1,1-Dichloropropene	4.862	75	17290	1.757	ug/L		99
41) Benzene	5.104	78	65962	2.129	ug/L		97
42) tert-Amyl methyl ether	5.210	73	27074	2.008	ug/L		95
44) 1,2-Dichloroethane	5.309	62	25502	2.110	ug/L		99
47) Methyl cyclohexane	5.654	83	15890	1.417	ug/L		96
48) Trichloroethene	5.690	95	18002	1.995	ug/L		93
50) Dibromomethane	6.127	93	8761	2.096	ug/L		99
51) 1,2-Dichloropropane	6.219	63	18093	2.027	ug/L		98
53) 2-Chloroethyl vinyl ether	6.931	63	2772	1.020	ug/L	#	87
54) Bromodichloromethane	6.296	83	22647	2.075	ug/L		99
57) 1,4-Dioxane	6.508	88	14545	412.403	ug/L		96
58) cis-1,3-Dichloropropene	6.981	75	21160	2.211	ug/L		99
61) Toluene	7.228	92	39897	2.178	ug/L		100
62) 4-Methyl-2-pentanone	7.672	58	2830	1.784	ug/L	#	90
63) Tetrachloroethene	7.658	166	15671	1.974	ug/L		98
65) trans-1,3-Dichloropropene	7.729	75	16735	2.319	ug/L		99
67) Ethyl methacrylate	7.912	69	9816	2.115	ug/L		94
68) 1,1,2-Trichloroethane	7.905	83	9007	2.164	ug/L		98
69) Chlorodibromomethane	8.103	129	13756	2.056	ug/L		99
70) 1,3-Dichloropropane	8.216	76	19678	2.117	ug/L		97
71) 1,2-Dibromoethane	8.371	107	9798	2.030	ug/L		98
72) 2-Hexanone	8.681	43	4864	2.117	ug/L	#	93
73) Chlorobenzene	9.006	112	45018	2.151	ug/L		96
74) Ethylbenzene	9.048	91	71333	1.974	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.098	131	15168	2.114	ug/L		96
76) p/m Xylene	9.232	106	53938	4.176	ug/L		95
77) o Xylene	9.775	106	52989	4.401	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A07.D
Acq On : 7 Nov 2025 4:28 pm
Operator : VOA105:PID
Sample : I8260STD2PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 10 11:49:01 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:47:45 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251107AICAL\V05251107A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Styrene	9.852	104	88225	4.518	ug/L	96
80) Bromoform	9.874	173	8087	1.978	ug/L	94
82) Isopropylbenzene	10.184	105	67283	1.950	ug/L	98
84) Bromobenzene	10.651	156	18632	2.097	ug/L	99
85) n-Propylbenzene	10.701	91	84931	1.934	ug/L	98
86) 1,4-Dichlorobutane	10.722	55	24560	2.015	ug/L	98
87) 1,1,2,2-Tetrachloroethane	10.814	83	12384	2.093	ug/L	97
88) 4-Ethyltoluene	10.835	105	69421	2.034	ug/L	98
89) 2-Chlorotoluene	10.870	91	56820M6	2.104	ug/L	
90) 1,3,5-Trimethylbenzene	10.934	105	58868	2.015	ug/L	98
91) 1,2,3-Trichloropropane	10.948	75	10933	2.122	ug/L	99
92) trans-1,4-Dichloro-2-b...	11.019	53	4324	2.260	ug/L	95
93) 4-Chlorotoluene	11.068	91	58254	2.165	ug/L	98
94) tert-Butylbenzene	11.288	119	48616	1.949	ug/L	99
97) 1,2,4-Trimethylbenzene	11.373	105	56737	2.130	ug/L	99
98) sec-Butylbenzene	11.486	105	69140	1.965	ug/L	99
99) p-Isopropyltoluene	11.648	119	57474	1.977	ug/L	99
100) 1,3-Dichlorobenzene	11.712	146	35423	2.084	ug/L	97
101) 1,4-Dichlorobenzene	11.811	146	39810	2.150	ug/L	97
102) p-Diethylbenzene	12.030	119	32506	1.953	ug/L	97
103) n-Butylbenzene	12.094	91	51231	1.921	ug/L	97
104) 1,2-Dichlorobenzene	12.243	146	32305	2.116	ug/L	99
105) 1,2,4,5-Tetramethylben...	12.844	119	44083	1.954	ug/L	98
106) 1,2-Dibromo-3-chloropr...	13.042	155	1671	2.060	ug/L	97
107) 1,3,5-Trichlorobenzene	13.063	180	22435	2.074	ug/L	98
108) Hexachlorobutadiene	13.643	225	8011	1.983	ug/L	96
109) 1,2,4-Trichlorobenzene	13.671	180	17603	2.040	ug/L	99
110) Naphthalene	13.969	128	29270	1.948	ug/L	100
111) 1,2,3-Trichlorobenzene	14.131	180	14698	2.111	ug/L	100

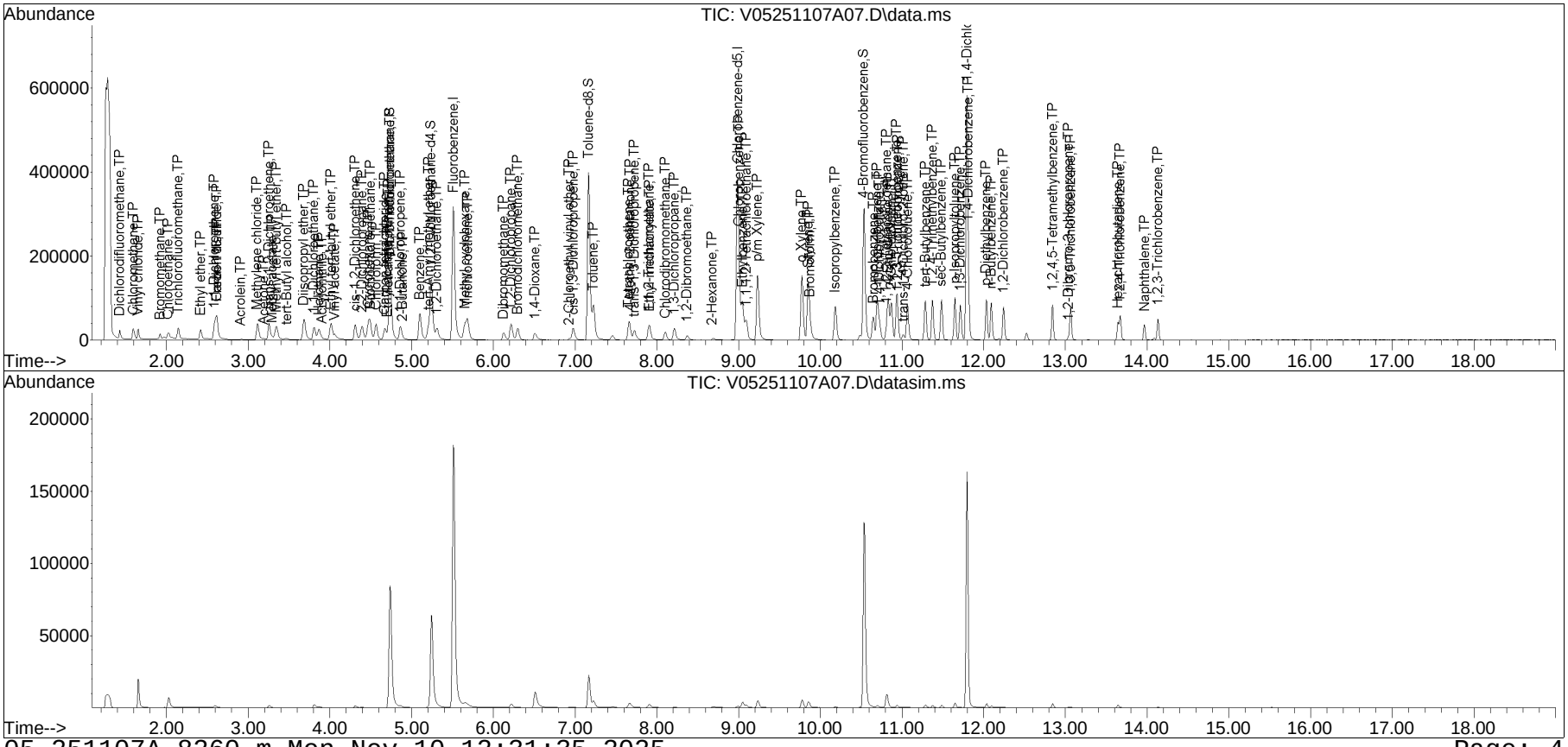
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A07.D
Acq On : 7 Nov 2025 4:28 pm
Operator : VOA105:PID
Sample : I8260STD2PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 10 11:49:01 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:47:45 2025
Response via : Initial Calibration

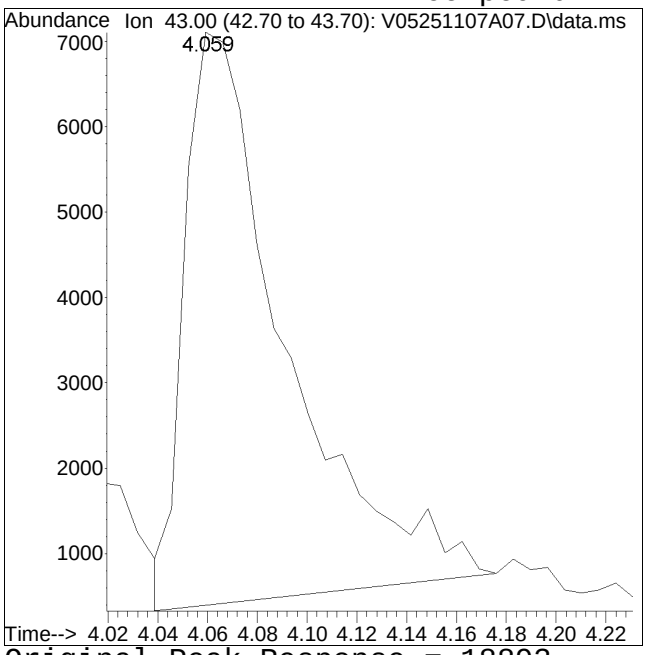
Sub List : 8260-Curve - Megamix plus Diox\V05251107A09.D•

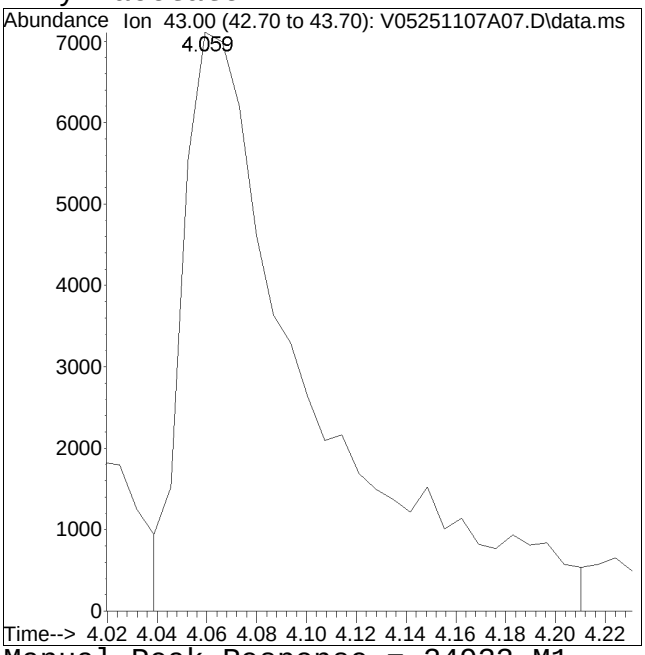


Manual Integration Report

Data Path : K:\VOA105\2025\251107AICALQMethod : V105_251107A_8260.m
Data File : V05251107A07.D Operator : VOA105:PID
Date Inj'd : 11/7/2025 4:28 pm Instrument : VOA105
Sample : I8260STD2PPB Quant Date : 11/10/2025 11:47 am

Compound #27: Vinyl acetate



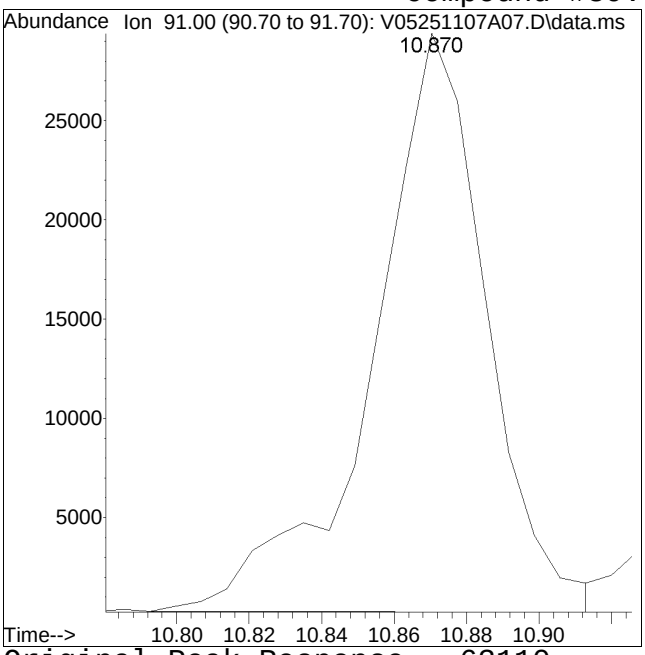


Original Peak Response = 18893 Manual Peak Response = 24933 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

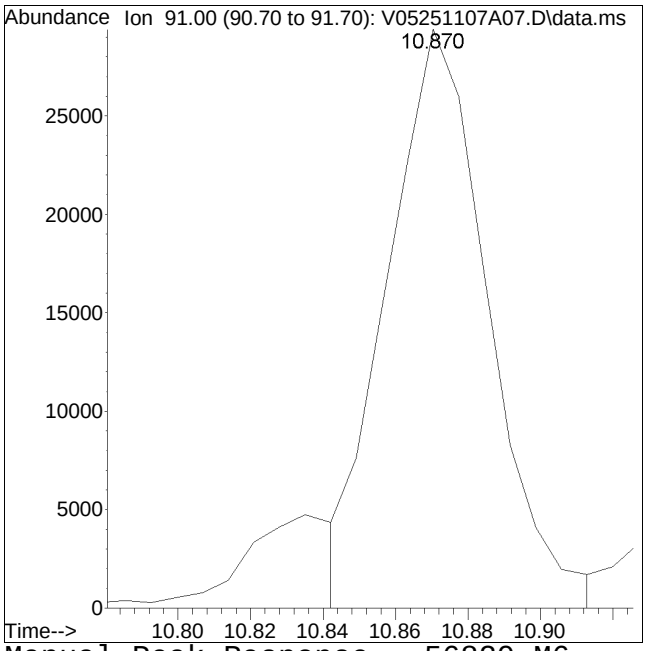
Manual Integration Report

Data Path : K:\VOA105\2025\251107AICALQMethod : V105_251107A_8260.m
Data File : V05251107A07.D Operator : VOA105:PID
Date Inj'd : 11/7/2025 4:28 pm Instrument : VOA105
Sample : I8260STD2PPB Quant Date : 11/10/2025 11:47 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 63110



Manual Peak Response = 56820 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A09.D
Acq On : 7 Nov 2025 5:22 pm
Operator : VOA105:PID
Sample : I8260STD10PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 10 11:43:38 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:43:26 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251107AICAL\V05251107A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.514	96	340730	10.000	ug/L	0.00
Standard Area 1 = 340730			Recovery = 100.00%			
59) Chlorobenzene-d5	8.985	117	264274	10.000	ug/L	0.00
Standard Area 1 = 264274			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	11.790	152	153832	10.000	ug/L	0.00
Standard Area 1 = 153832			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.732	113	95051	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
43) 1,2-Dichloroethane-d4	5.245	65	125603	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
60) Toluene-d8	7.165	98	339743	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
83) 4-Bromofluorobenzene	10.531	95	130095	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.431	85	114978	10.000	ug/L	100
3) Chloromethane	1.596	50	158622	10.000	ug/L	100
4) Vinyl chloride	1.657	62	119351	10.000	ug/L	100
5) Bromomethane	1.925	94	37188	10.000	ug/L	100
6) Chloroethane	2.021	64	71401	10.000	ug/L	100
7) Trichlorofluoromethane	2.145	101	148775	9.994	ug/L	100
8) Ethyl ether	2.419	74	38202	10.000	ug/L	100
10) 1,1-Dichloroethene	2.591	96	70816	10.000	ug/L	100
11) Carbon disulfide	2.611	76	244227	10.000	ug/L	100
12) Freon-113	2.618	101	74162	10.000	ug/L	100
13) Iodomethane	2.721	142	3041M6	10.000	ug/L	
14) Acrolein	2.913	56	10565M1	10.000	ug/L	
15) Methylene chloride	3.112	84	86216	10.000	ug/L	100
17) Acetone	3.181	43	15482	10.000	ug/L	100
18) trans-1,2-Dichloroethene	3.250	96	85422	10.000	ug/L	100
19) Methyl acetate	3.284	43	36702	9.951	ug/L	100
20) Methyl tert-butyl ether	3.346	73	178006	10.000	ug/L	100
21) tert-Butyl alcohol	3.463	59	19332	50.000	ug/L	100
22) Diisopropyl ether	3.682	45	322242	10.000	ug/L	100
23) 1,1-Dichloroethane	3.806	63	197634	10.000	ug/L	100
24) Halothane	3.861	117	65612	10.000	ug/L	100

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A09.D
Acq On : 7 Nov 2025 5:22 pm
Operator : VOA105:PID
Sample : I8260STD10PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 10 11:43:38 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:43:26 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251107AICAL\V05251107A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.881	53	23342	10.000	ug/L	100
26) Ethyl tert-butyl ether	4.012	59	244776	10.000	ug/L	100
27) Vinyl acetate	4.039	43	166777M6	10.000	ug/L	
28) cis-1,2-Dichloroethene	4.307	96	97124	10.000	ug/L	100
29) 2,2-Dichloropropane	4.389	77	134044	9.995	ug/L	100
30) Bromochloromethane	4.492	128	43130	10.000	ug/L	100
31) Cyclohexane	4.472	56	191426	10.000	ug/L	100
32) Chloroform	4.561	83	167258	10.000	ug/L	100
33) Ethyl acetate	4.684	43	53691	10.000	ug/L	100
34) Carbon tetrachloride	4.671	117	133534	10.000	ug/L	100
35) Tetrahydrofuran	4.712	42	18845M6	10.000	ug/L	
37) 1,1,1-Trichloroethane	4.739	97	147710	10.000	ug/L	100
39) 2-Butanone	4.863	43	23555	10.000	ug/L	100
40) 1,1-Dichloropropene	4.863	75	114750	10.000	ug/L	100
41) Benzene	5.097	78	367249	10.000	ug/L	100
42) tert-Amyl methyl ether	5.210	73	159162	10.000	ug/L	100
44) 1,2-Dichloroethane	5.309	62	127153	10.000	ug/L	100
47) Methyl cyclohexane	5.655	83	129238	10.000	ug/L	100
48) Trichloroethene	5.683	95	93213	10.000	ug/L	100
50) Dibromomethane	6.120	93	45366	10.000	ug/L	100
51) 1,2-Dichloropropane	6.219	63	99250	10.000	ug/L	100
53) 2-Chloroethyl vinyl ether	6.918	63	28165	10.000	ug/L	100
54) Bromodichloromethane	6.297	83	119539	10.000	ug/L	100
57) 1,4-Dioxane	6.508	88	18397	500.000	ug/L	100
58) cis-1,3-Dichloropropene	6.974	75	125436	10.000	ug/L	100
61) Toluene	7.221	92	213173	10.000	ug/L	100
62) 4-Methyl-2-pentanone	7.673	58	16932	10.000	ug/L	100
63) Tetrachloroethene	7.659	166	92945	10.000	ug/L	100
65) trans-1,3-Dichloropropene	7.722	75	102937	10.008	ug/L	100
67) Ethyl methacrylate	7.905	69	59839	10.000	ug/L	100
68) 1,1,2-Trichloroethane	7.898	83	49077	10.000	ug/L	100
69) Chlorodibromomethane	8.103	129	75842	10.000	ug/L	100
70) 1,3-Dichloropropane	8.216	76	107246	10.000	ug/L	100
71) 1,2-Dibromoethane	8.364	107	57469	10.000	ug/L	100
72) 2-Hexanone	8.675	43	28782	10.000	ug/L	100
73) Chlorobenzene	9.006	112	234162	10.000	ug/L	100
74) Ethylbenzene	9.041	91	425251	10.000	ug/L	100
75) 1,1,1,2-Tetrachloroethane	9.091	131	83828	10.000	ug/L	100
76) p/m Xylene	9.232	106	327068	20.000	ug/L	100
77) o Xylene	9.775	106	308247	20.000	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A09.D
Acq On : 7 Nov 2025 5:22 pm
Operator : VOA105:PID
Sample : I8260STD10PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 10 11:43:38 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:43:26 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251107AICAL\V05251107A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Styrene	9.846	104	513933	20.000	ug/L	100
80) Bromoform	9.874	173	43376	10.000	ug/L	100
82) Isopropylbenzene	10.185	105	424633	10.000	ug/L	100
84) Bromobenzene	10.644	156	97488	10.000	ug/L	100
85) n-Propylbenzene	10.694	91	520849	10.000	ug/L	100
86) 1,4-Dichlorobutane	10.722	55	133153	10.000	ug/L	100
87) 1,1,2,2-Tetrachloroethane	10.807	83	66431	10.000	ug/L	100
88) 4-Ethyltoluene	10.828	105	423364	10.000	ug/L	100
89) 2-Chlorotoluene	10.871	91	318713M6	10.000	ug/L	
90) 1,3,5-Trimethylbenzene	10.934	105	361786	10.000	ug/L	100
91) 1,2,3-Trichloropropane	10.942	75	55747	10.000	ug/L	100
92) trans-1,4-Dichloro-2-b...	11.005	53	23345	10.000	ug/L	100
93) 4-Chlorotoluene	11.062	91	315193	10.000	ug/L	100
94) tert-Butylbenzene	11.288	119	310133	10.000	ug/L	100
97) 1,2,4-Trimethylbenzene	11.373	105	343044	10.000	ug/L	100
98) sec-Butylbenzene	11.479	105	436502	10.000	ug/L	100
99) p-Isopropyltoluene	11.649	119	381987	10.000	ug/L	100
100) 1,3-Dichlorobenzene	11.713	146	194291	10.000	ug/L	100
101) 1,4-Dichlorobenzene	11.812	146	193851	10.000	ug/L	100
102) p-Diethylbenzene	12.031	119	212484	10.000	ug/L	100
103) n-Butylbenzene	12.087	91	328088	10.000	ug/L	100
104) 1,2-Dichlorobenzene	12.243	146	169608	10.000	ug/L	100
105) 1,2,4,5-Tetramethylben...	12.844	119	295628	10.000	ug/L	100
106) 1,2-Dibromo-3-chloropr...	13.035	155	8765	10.000	ug/L	100
107) 1,3,5-Trichlorobenzene	13.064	180	125250	10.000	ug/L	100
108) Hexachlorobutadiene	13.644	225	44928	10.000	ug/L	100
109) 1,2,4-Trichlorobenzene	13.672	180	100796	10.000	ug/L	100
110) Naphthalene	13.962	128	179262	10.000	ug/L	100
111) 1,2,3-Trichlorobenzene	14.132	180	79863	10.000	ug/L	100

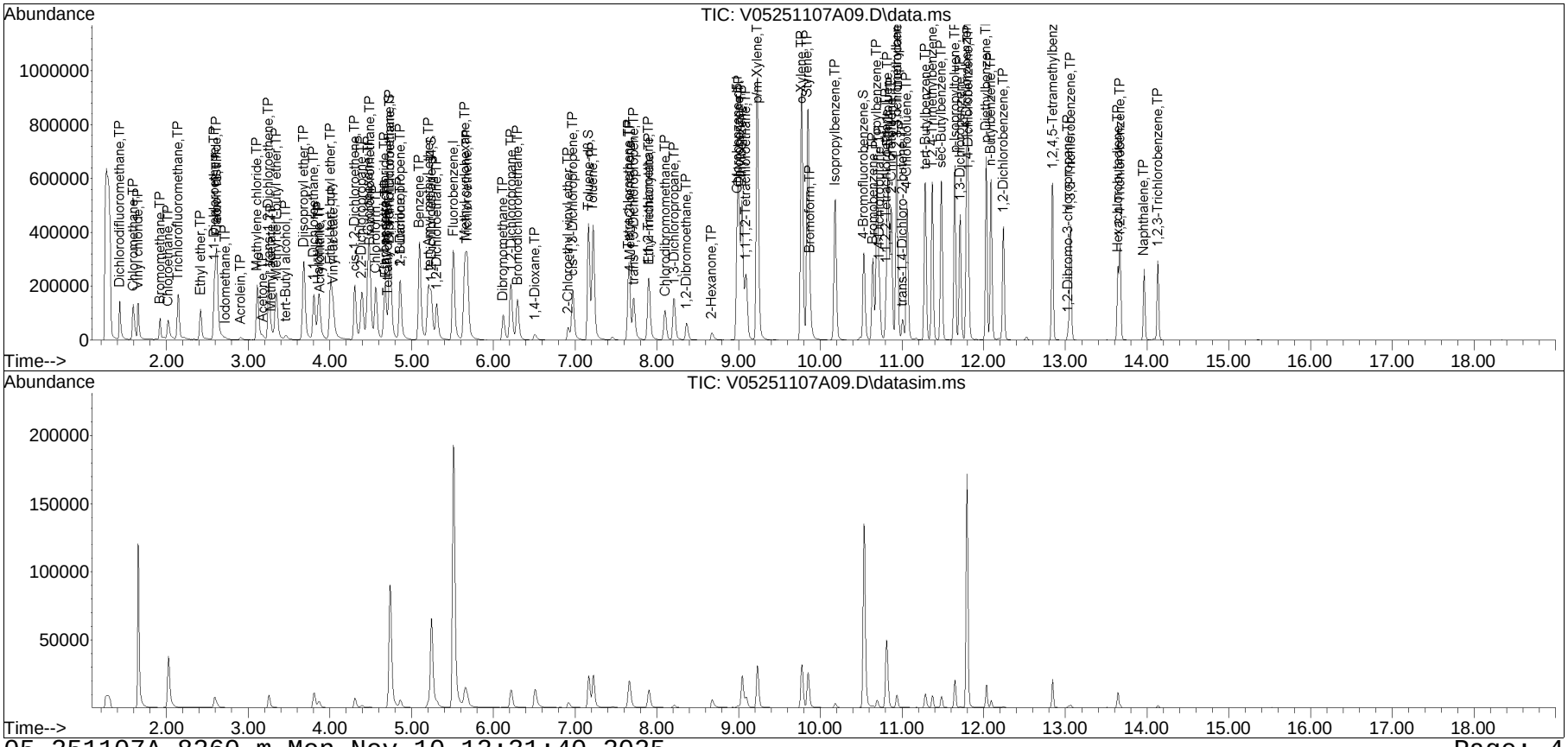
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A09.D
Acq On : 7 Nov 2025 5:22 pm
Operator : VOA105:PID
Sample : I8260STD10PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 10 11:43:38 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:43:26 2025
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\V05251107A09.D•

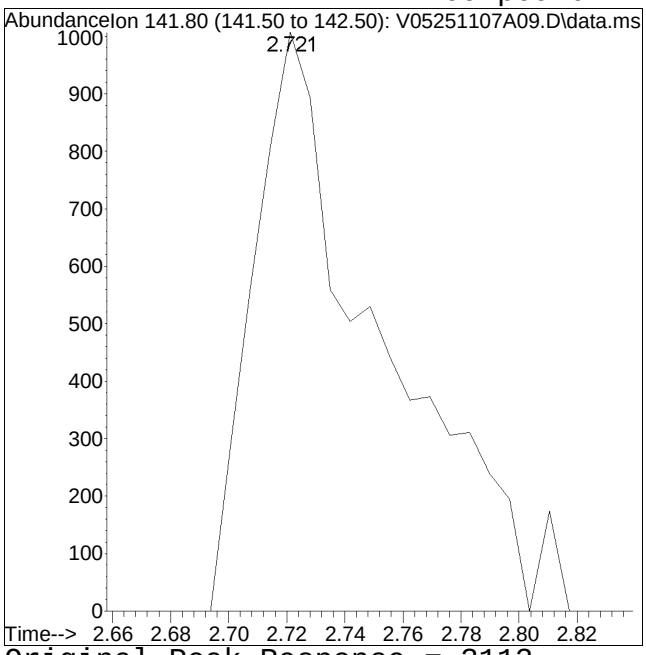


Manual Integration Report

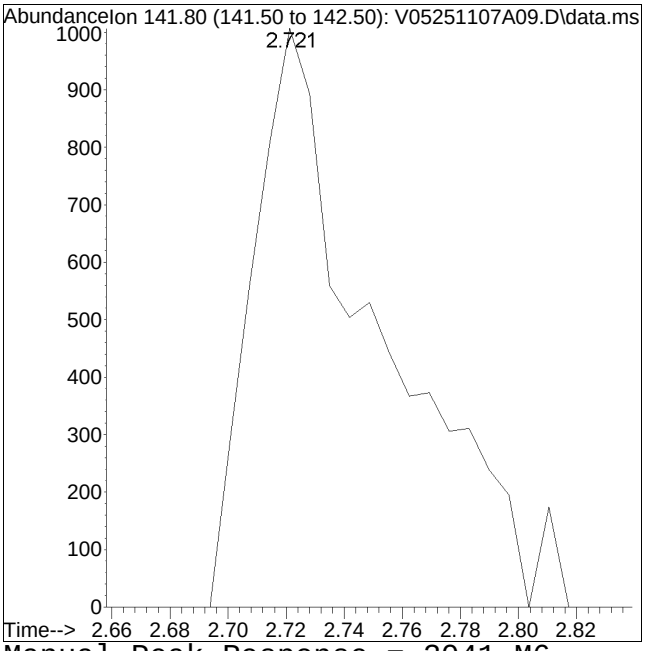
Data Path : K:\VOA105\2025\251107AICALQ
Data File : V05251107A09.D
Date Inj'd : 11/7/2025 5:22 pm
Sample : I8260STD10PPB

Method : V105_251107A_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 11/10/2025 11:43 am

Compound #13: Iodomethane



Original Peak Response = 3113



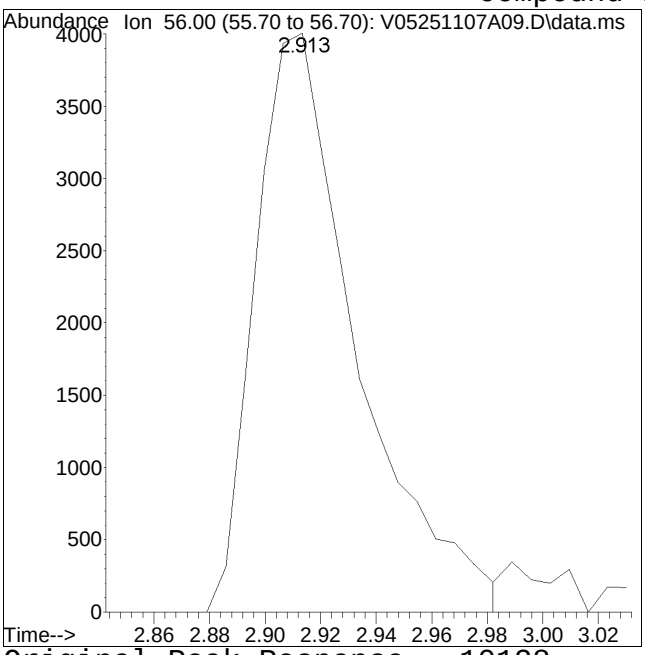
Manual Peak Response = 3041 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

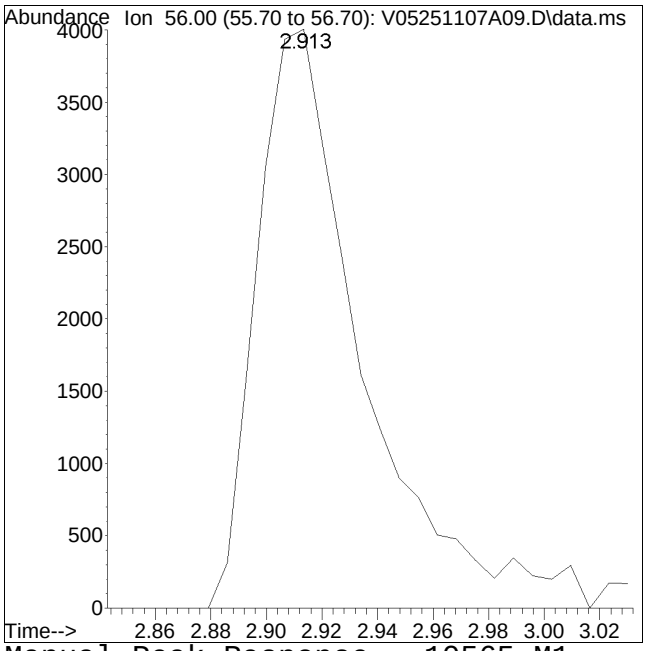
Manual Integration Report

Data Path : K:\VOA105\2025\251107AICALQMethod : V105_251107A_8260.m
Data File : V05251107A09.D Operator : VOA105:PID
Date Inj'd : 11/7/2025 5:22 pm Instrument : VOA105
Sample : I8260STD10PPB Quant Date : 11/10/2025 11:43 am

Compound #14: Acrolein



Original Peak Response = 10128



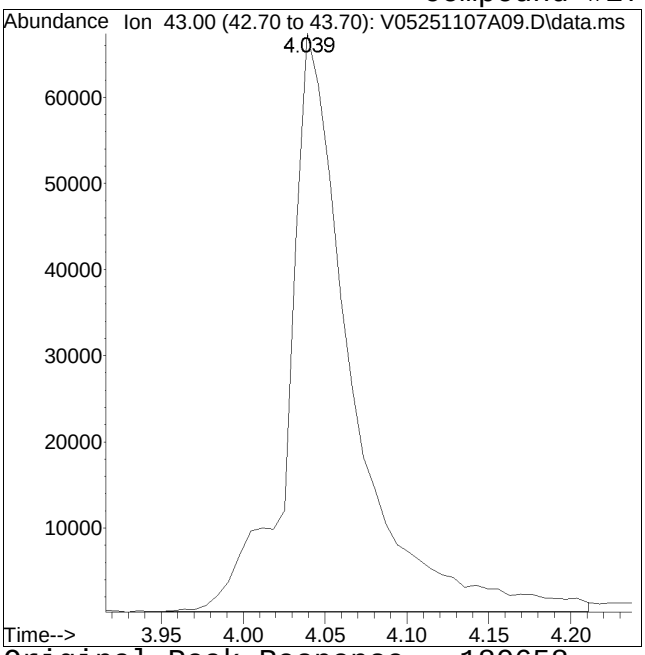
Manual Peak Response = 10565 M1

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

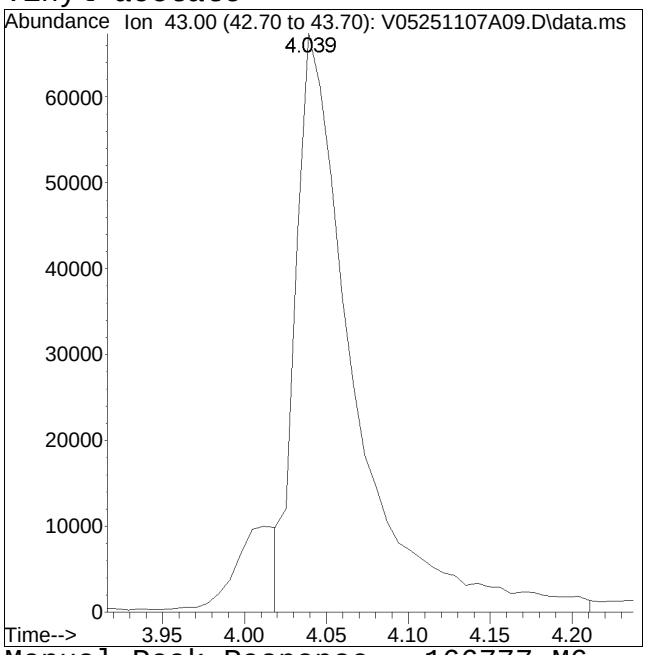
Manual Integration Report

Data Path : K:\VOA105\2025\251107AICALQMethod : V105_251107A_8260.m
Data File : V05251107A09.D Operator : VOA105:PID
Date Inj'd : 11/7/2025 5:22 pm Instrument : VOA105
Sample : I8260STD10PPB Quant Date : 11/10/2025 11:43 am

Compound #27: Vinyl acetate



Original Peak Response = 180658



Manual Peak Response = 166777 M6

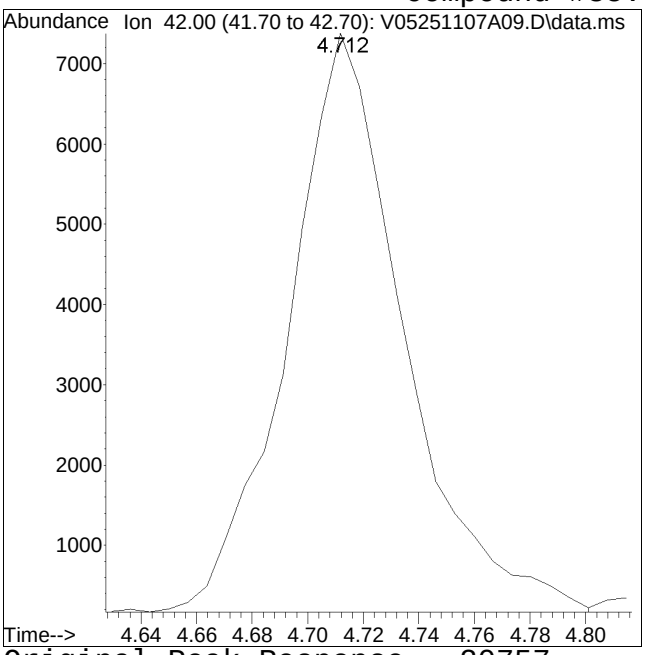
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

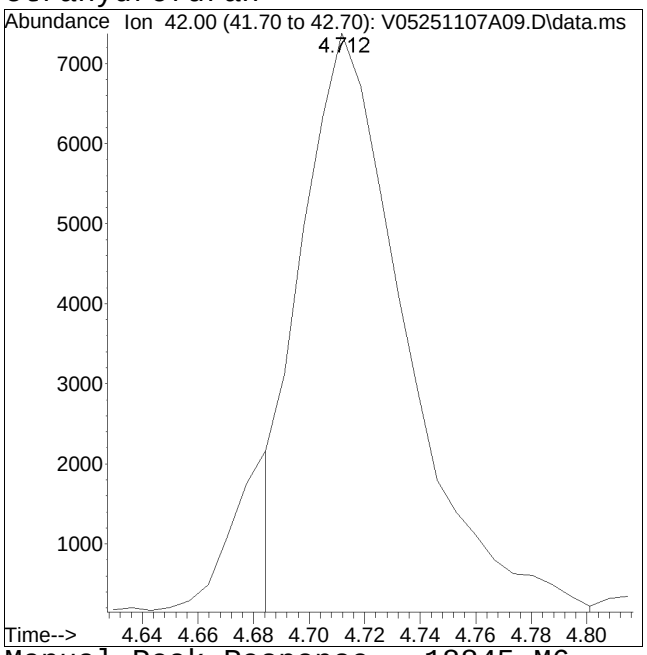
Data Path : K:\VOA105\2025\251107AICALQ
Data File : V05251107A09.D
Date Inj'd : 11/7/2025 5:22 pm
Sample : I8260STD10PPB

Method : V105_251107A_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 11/10/2025 11:43 am

Compound #35: Tetrahydrofuran



Original Peak Response = 20757



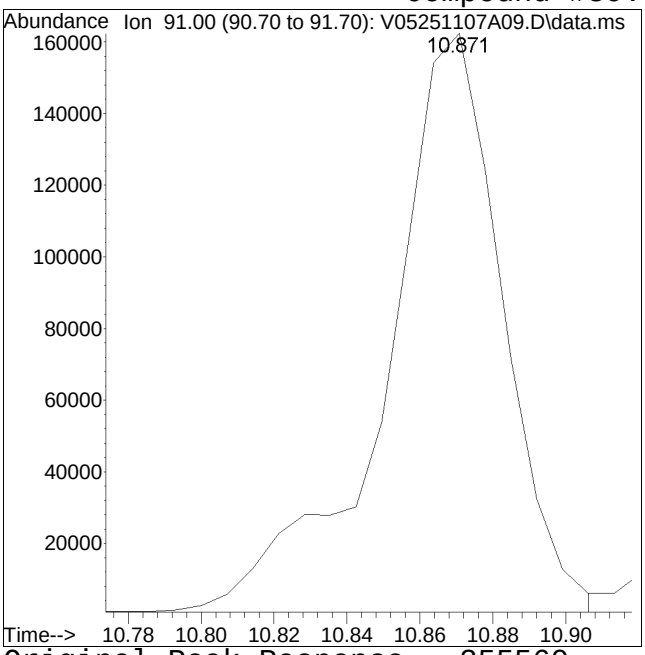
Manual Peak Response = 18845 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

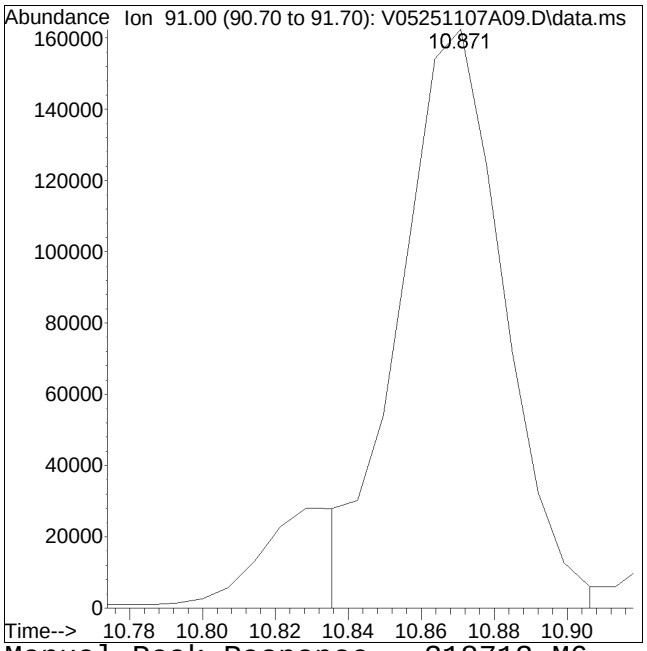
Manual Integration Report

Data Path : K:\VOA105\2025\251107AICALQMethod : V105_251107A_8260.m
Data File : V05251107A09.D Operator : VOA105:PID
Date Inj'd : 11/7/2025 5:22 pm Instrument : VOA105
Sample : I8260STD10PPB Quant Date : 11/10/2025 11:43 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 355560



Manual Peak Response = 318713 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A10.D
Acq On : 7 Nov 2025 5:48 pm
Operator : VOA105:PID
Sample : I8260STD30PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 10 11:50:48 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:49:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251107AICAL\V05251107A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.513	96	351727	10.000	ug/L	0.00
Standard Area 1 = 340730			Recovery = 103.23%			
59) Chlorobenzene-d5	8.985	117	267251	10.000	ug/L	0.00
Standard Area 1 = 264274			Recovery = 101.13%			
79) 1,4-Dichlorobenzene-d4	11.797	152	155677	10.000	ug/L	0.00
Standard Area 1 = 153832			Recovery = 101.20%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.732	113	95394	9.376	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.76%			
43) 1,2-Dichloroethane-d4	5.245	65	116845	9.086	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.86%			
60) Toluene-d8	7.165	98	343555	10.225	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.25%			
83) 4-Bromofluorobenzene	10.531	95	132260	9.866	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.66%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.431	85	366922	34.838	ug/L	99
3) Chloromethane	1.595	50	490934	30.923	ug/L	100
4) Vinyl chloride	1.657	62	372244	32.266	ug/L	99
5) Bromomethane	1.925	94	152987	45.961	ug/L	100
6) Chloroethane	2.021	64	219320	30.620	ug/L	99
7) Trichlorofluoromethane	2.145	101	458787	33.571	ug/L	100
8) Ethyl ether	2.419	74	117820	31.430	ug/L	98
10) 1,1-Dichloroethene	2.591	96	220004	32.250	ug/L	98
11) Carbon disulfide	2.611	76	738782	30.083	ug/L	99
12) Freon-113	2.618	101	222235	33.464	ug/L	98
13) Iodomethane	2.728	142	51223	163.175	ug/L #	97
14) Acrolein	2.906	56	32743	33.339	ug/L	95
15) Methylene chloride	3.112	84	256811	28.197	ug/L	98
17) Acetone	3.174	43	50330	26.233	ug/L	96
18) trans-1,2-Dichloroethene	3.250	96	263800	31.781	ug/L	98
19) Methyl acetate	3.270	43	122680	35.231	ug/L	98
20) Methyl tert-butyl ether	3.346	73	574987	33.578	ug/L	96
21) tert-Butyl alcohol	3.462	59	58127	137.819	ug/L	90
22) Diisopropyl ether	3.682	45	1090221	36.407	ug/L	98
23) 1,1-Dichloroethane	3.806	63	595833	30.591	ug/L	99
24) Halothane	3.867	117	198980	31.857	ug/L	99

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A10.D
Acq On : 7 Nov 2025 5:48 pm
Operator : VOA105:PID
Sample : I8260STD30PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 10 11:50:48 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:49:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251107AICAL\V05251107A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.874	53	72580	32.259	ug/L	96
26) Ethyl tert-butyl ether	4.012	59	837429	37.130	ug/L	99
27) Vinyl acetate	4.039	43	606215	39.680	ug/L	99
28) cis-1,2-Dichloroethene	4.307	96	299069	31.713	ug/L	98
29) 2,2-Dichloropropane	4.396	77	415951	32.425	ug/L	98
30) Bromochloromethane	4.492	128	130681	31.801	ug/L	98
31) Cyclohexane	4.471	56	607082	38.291	ug/L	100
32) Chloroform	4.561	83	507900	29.249	ug/L	98
33) Ethyl acetate	4.677	43	181135	32.703	ug/L	99
34) Carbon tetrachloride	4.677	117	416265	31.737	ug/L	99
35) Tetrahydrofuran	4.712	42	56611M6	27.689	ug/L	
37) 1,1,1-Trichloroethane	4.739	97	457937	32.420	ug/L	99
39) 2-Butanone	4.856	43	80332	35.785	ug/L	95
40) 1,1-Dichloropropene	4.863	75	365340	36.168	ug/L	100
41) Benzene	5.097	78	1141335	33.880	ug/L	99
42) tert-Amyl methyl ether	5.210	73	553373	38.308	ug/L	94
44) 1,2-Dichloroethane	5.309	62	389298	29.698	ug/L	99
47) Methyl cyclohexane	5.655	83	405750	37.463	ug/L	99
48) Trichloroethene	5.683	95	295417	30.620	ug/L	98
50) Dibromomethane	6.120	93	139242	30.641	ug/L	99
51) 1,2-Dichloropropane	6.212	63	312858	32.614	ug/L	100
53) 2-Chloroethyl vinyl ether	6.911	63	102061	46.493	ug/L	96
54) Bromodichloromethane	6.297	83	366459	30.993	ug/L	99
57) 1,4-Dioxane	6.508	88	23700	621.596	ug/L	97
58) cis-1,3-Dichloropropene	6.967	75	419735	39.939	ug/L	100
61) Toluene	7.221	92	667729	32.803	ug/L	99
62) 4-Methyl-2-pentanone	7.673	58	60335	37.250	ug/L	90
63) Tetrachloroethene	7.658	166	285236	33.405	ug/L	100
65) trans-1,3-Dichloropropene	7.715	75	349852	43.194	ug/L	98
67) Ethyl methacrylate	7.905	69	211129	41.363	ug/L	94
68) 1,1,2-Trichloroethane	7.898	83	156981	34.013	ug/L	99
69) Chlorodibromomethane	8.103	129	248671	34.123	ug/L	99
70) 1,3-Dichloropropane	8.209	76	340341	33.276	ug/L	99
71) 1,2-Dibromoethane	8.364	107	185100	35.355	ug/L	99
72) 2-Hexanone	8.667	43	103600	40.980	ug/L	97
73) Chlorobenzene	9.006	112	735214	31.753	ug/L	98
74) Ethylbenzene	9.041	91	1321936	34.042	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.091	131	275960	34.976	ug/L	100
76) p/m Xylene	9.232	106	1012113	71.556	ug/L	99
77) o Xylene	9.775	106	976726	72.737	ug/L	100

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A10.D
Acq On : 7 Nov 2025 5:48 pm
Operator : VOA105:PID
Sample : I8260STD30PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 10 11:50:48 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:49:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251107AICAL\V05251107A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Styrene	9.846	104	1611389	73.291	ug/L	99
80) Bromoform	9.874	173	140487	32.495	ug/L	99
82) Isopropylbenzene	10.185	105	1335759	36.792	ug/L	100
84) Bromobenzene	10.644	156	301532	31.469	ug/L	98
85) n-Propylbenzene	10.694	91	1599782	34.711	ug/L	100
86) 1,4-Dichlorobutane	10.722	55	411337	31.717	ug/L	99
87) 1,1,2,2-Tetrachloroethane	10.807	83	204103	32.133	ug/L	99
88) 4-Ethyltoluene	10.828	105	1328335	36.466	ug/L	100
89) 2-Chlorotoluene	10.871	91	967417M6	33.183	ug/L	
90) 1,3,5-Trimethylbenzene	10.934	105	1139804	36.669	ug/L	99
91) 1,2,3-Trichloropropane	10.941	75	171886	30.806	ug/L	99
92) trans-1,4-Dichloro-2-b...	11.005	53	75071	35.441	ug/L	96
93) 4-Chlorotoluene	11.062	91	985987	33.604	ug/L	100
94) tert-Butylbenzene	11.288	119	969099	36.923	ug/L	100
97) 1,2,4-Trimethylbenzene	11.373	105	1102098	38.165	ug/L	100
98) sec-Butylbenzene	11.479	105	1355033	36.502	ug/L	99
99) p-Isopropyltoluene	11.649	119	1198843	39.004	ug/L	99
100) 1,3-Dichlorobenzene	11.712	146	600651	32.837	ug/L	100
101) 1,4-Dichlorobenzene	11.811	146	606582	30.120	ug/L	99
102) p-Diethylbenzene	12.031	119	694858	39.651	ug/L	99
103) n-Butylbenzene	12.087	91	1018061	36.446	ug/L	100
104) 1,2-Dichlorobenzene	12.243	146	533737	32.315	ug/L	100
105) 1,2,4,5-Tetramethylben...	12.837	119	1014513	42.709	ug/L	100
106) 1,2-Dibromo-3-chloropr...	13.035	155	29520	33.955	ug/L	95
107) 1,3,5-Trichlorobenzene	13.063	180	400831	34.497	ug/L	99
108) Hexachlorobutadiene	13.643	225	143347	33.534	ug/L	99
109) 1,2,4-Trichlorobenzene	13.672	180	330302	35.827	ug/L	100
110) Naphthalene	13.962	128	617574	39.069	ug/L	100
111) 1,2,3-Trichlorobenzene	14.132	180	257724	34.246	ug/L	99

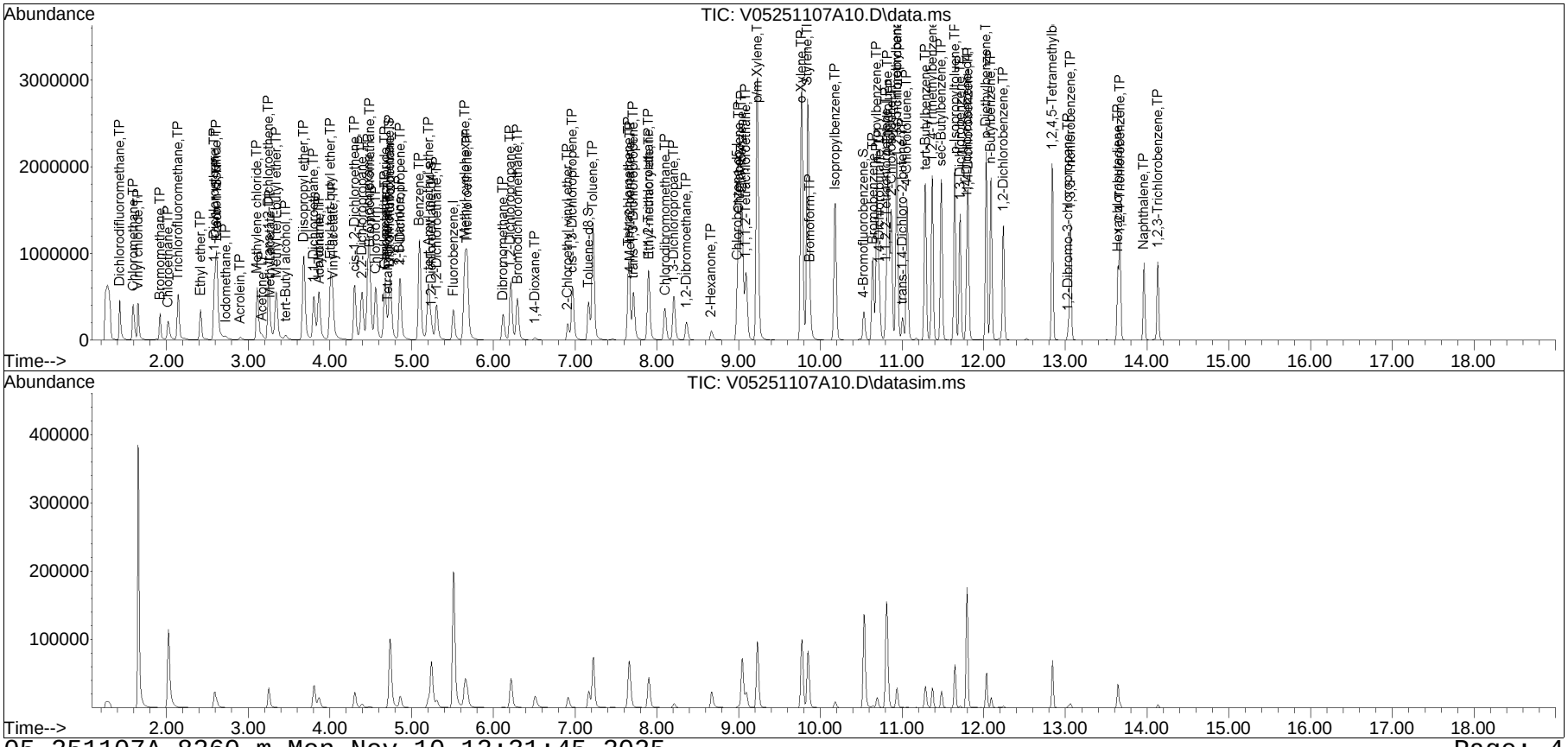
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A10.D
Acq On : 7 Nov 2025 5:48 pm
Operator : VOA105:PID
Sample : I8260STD30PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 10 11:50:48 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:49:08 2025
Response via : Initial Calibration

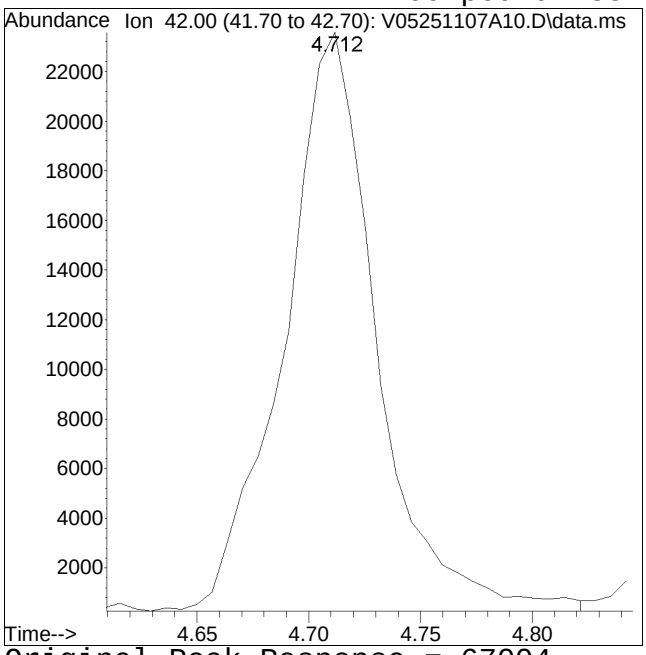
Sub List : 8260-Curve - Megamix plus Diox\V05251107A09.D•



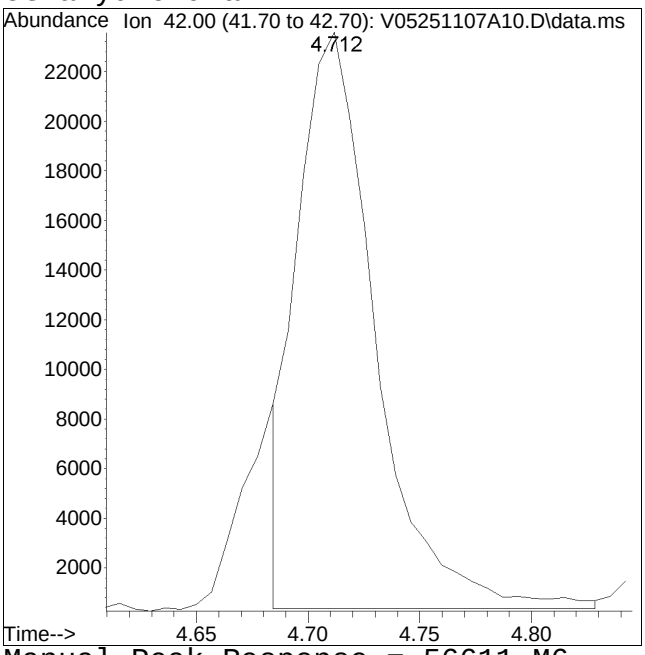
Manual Integration Report

Data Path : K:\VOA105\2025\251107AICALQMethod : V105_251107A_8260.m
Data File : V05251107A10.D Operator : VOA105:PID
Date Inj'd : 11/7/2025 5:48 pm Instrument : VOA105
Sample : I8260STD30PPB Quant Date : 11/10/2025 11:49 am

Compound #35: Tetrahydrofuran



Original Peak Response = 67004



Manual Peak Response = 56611 M6

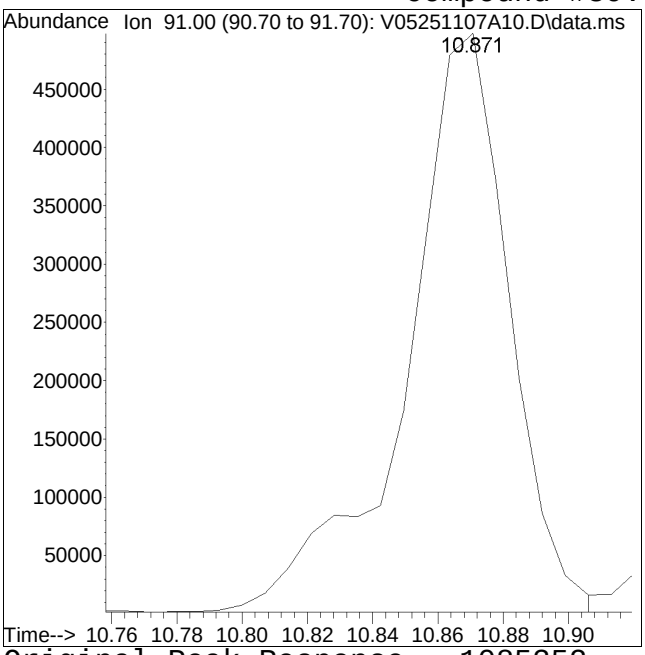
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

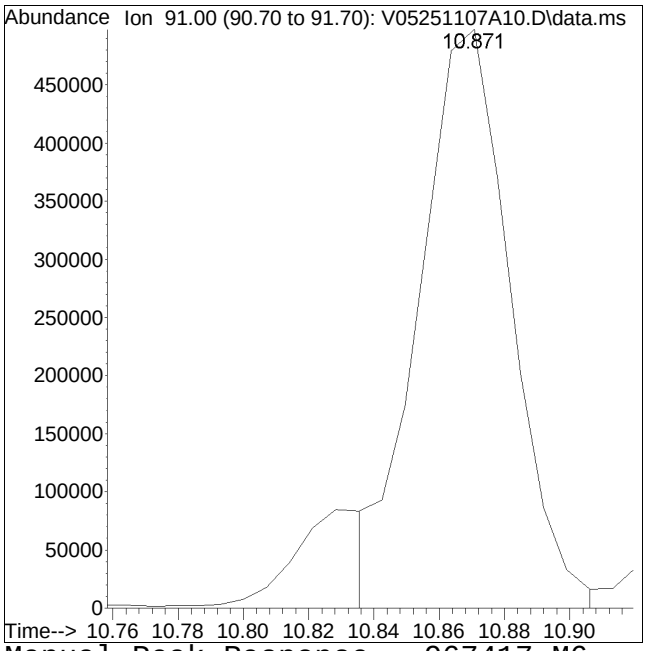
Data Path : K:\VOA105\2025\251107AICALQ
Data File : V05251107A10.D
Date Inj'd : 11/7/2025 5:48 pm
Sample : I8260STD30PPB

Method : V105_251107A_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 11/10/2025 11:49 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 1085352



Manual Peak Response = 967417 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A11.D
Acq On : 7 Nov 2025 6:14 pm
Operator : VOA105:PID
Sample : I8260STD80PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 10 11:51:49 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:49:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251107AICAL\V05251107A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.513	96	379967	10.000	ug/L	0.00
Standard Area 1 = 340730			Recovery = 111.52%			
59) Chlorobenzene-d5	8.985	117	297231	10.000	ug/L	0.00
Standard Area 1 = 264274			Recovery = 112.47%			
79) 1,4-Dichlorobenzene-d4	11.797	152	172710	10.000	ug/L	0.00
Standard Area 1 = 153832			Recovery = 112.27%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.732	113	100359	9.131	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.31%			
43) 1,2-Dichloroethane-d4	5.238	65	122812	8.840	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.40%			
60) Toluene-d8	7.164	98	376015	10.063	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.63%			
83) 4-Bromofluorobenzene	10.538	95	141957	9.545	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.45%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.430	85	1128552	99.190	ug/L	99
3) Chloromethane	1.595	50	1318539	76.879	ug/L	100
4) Vinyl chloride	1.650	62	1079185	86.592	ug/L	99
5) Bromomethane	1.925	94	453717	126.176	ug/L	100
6) Chloroethane	2.021	64	590899	76.365	ug/L	100
7) Trichlorofluoromethane	2.144	101	1379992	93.475	ug/L	99
8) Ethyl ether	2.419	74	329848	81.451	ug/L	97
10) 1,1-Dichloroethene	2.590	96	637403	86.491	ug/L	98
11) Carbon disulfide	2.611	76	2193915	82.695	ug/L	99
12) Freon-113	2.618	101	699270	97.470	ug/L	94
13) Iodomethane	2.721	142	479085	1412.735	ug/L #	97
14) Acrolein	2.906	56	92564	87.244	ug/L	89
15) Methylene chloride	3.112	84	693173	70.450	ug/L	96
17) Acetone	3.167	43	143423	69.199	ug/L	97
18) trans-1,2-Dichloroethene	3.249	96	742758	82.833	ug/L	98
19) Methyl acetate	3.270	43	361566	96.116	ug/L	97
20) Methyl tert-butyl ether	3.345	73	1688057	91.251	ug/L	94
21) tert-Butyl alcohol	3.462	59	178629	392.052	ug/L	92
22) Diisopropyl ether	3.682	45	3089846	95.513	ug/L	97
23) 1,1-Dichloroethane	3.805	63	1631853	77.556	ug/L	99
24) Halothane	3.867	117	576607	85.455	ug/L	100

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A11.D
Acq On : 7 Nov 2025 6:14 pm
Operator : VOA105:PID
Sample : I8260STD80PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 10 11:51:49 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:49:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251107AICAL\V05251107A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.867	53	215432	88.636	ug/L	98
26) Ethyl tert-butyl ether	4.011	59	2424341	99.501	ug/L	98
27) Vinyl acetate	4.032	43	1707119M6	103.436	ug/L	
28) cis-1,2-Dichloroethene	4.306	96	824681	80.948	ug/L	98
29) 2,2-Dichloropropane	4.396	77	1206685	87.075	ug/L	96
30) Bromochloromethane	4.492	128	345450	77.816	ug/L	98
31) Cyclohexane	4.471	56	1920263	112.117	ug/L	100
32) Chloroform	4.560	83	1379694	73.550	ug/L	98
33) Ethyl acetate	4.670	43	549908	91.905	ug/L	99
34) Carbon tetrachloride	4.677	117	1258952	88.853	ug/L	99
35) Tetrahydrofuran	4.711	42	175948M6	79.662	ug/L	
37) 1,1,1-Trichloroethane	4.739	97	1323508	86.734	ug/L	98
39) 2-Butanone	4.849	43	238612	98.394	ug/L	93
40) 1,1-Dichloropropene	4.862	75	1092360	100.104	ug/L	100
41) Benzene	5.097	78	3199408	87.913	ug/L	99
42) tert-Amyl methyl ether	5.210	73	1639620	105.068	ug/L	91
44) 1,2-Dichloroethane	5.309	62	1067791	75.402	ug/L	99
47) Methyl cyclohexane	5.654	83	1380051	117.950	ug/L	99
48) Trichloroethene	5.683	95	842485	80.833	ug/L	99
50) Dibromomethane	6.120	93	399490	81.377	ug/L	99
51) 1,2-Dichloropropane	6.212	63	888889	85.775	ug/L	100
53) 2-Chloroethyl vinyl ether	6.910	63	318567	134.334	ug/L	98
54) Bromodichloromethane	6.296	83	1060195	83.001	ug/L	99
57) 1,4-Dioxane	6.508	88	34078	827.358	ug/L	98
58) cis-1,3-Dichloropropene	6.967	75	1217559	107.244	ug/L	98
61) Toluene	7.221	92	1907085	84.238	ug/L	100
62) 4-Methyl-2-pentanone	7.665	58	187107	103.867	ug/L	90
63) Tetrachloroethene	7.658	166	863590	90.937	ug/L	99
65) trans-1,3-Dichloropropene	7.715	75	1026431	113.944	ug/L	96
67) Ethyl methacrylate	7.905	69	643253	113.310	ug/L	90
68) 1,1,2-Trichloroethane	7.898	83	449084	87.488	ug/L	99
69) Chlorodibromomethane	8.103	129	725113	89.464	ug/L	99
70) 1,3-Dichloropropane	8.208	76	974229	85.644	ug/L	100
71) 1,2-Dibromoethane	8.364	107	537548	92.317	ug/L	99
72) 2-Hexanone	8.667	43	318108	113.139	ug/L	96
73) Chlorobenzene	9.006	112	2103560	81.688	ug/L	98
74) Ethylbenzene	9.041	91	3819525	88.438	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.090	131	793649	90.443	ug/L	100
76) p/m Xylene	9.232	106	2882999	183.268	ug/L	99
77) o Xylene	9.775	106	2772482	185.642	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A11.D
Acq On : 7 Nov 2025 6:14 pm
Operator : VOA105:PID
Sample : I8260STD80PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 10 11:51:49 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:49:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251107AICAL\V05251107A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	9.852	104	4535643	185.486	ug/L		99
80) Bromoform	9.881	173	421404	87.858	ug/L		98
82) Isopropylbenzene	10.184	105	4169946	103.530	ug/L		98
84) Bromobenzene	10.644	156	859922	80.893	ug/L		98
85) n-Propylbenzene	10.694	91	4718704	92.285	ug/L		100
86) 1,4-Dichlorobutane	10.722	55	1174589	81.637	ug/L		100
87) 1,1,2,2-Tetrachloroethane	10.807	83	594752	84.401	ug/L		99
88) 4-Ethyltoluene	10.828	105	3886241	96.165	ug/L		100
89) 2-Chlorotoluene	10.870	91	2665290M6	82.405	ug/L		
90) 1,3,5-Trimethylbenzene	10.934	105	3339066	96.827	ug/L		99
91) 1,2,3-Trichloropropane	10.948	75	506847	81.880	ug/L		100
92) trans-1,4-Dichloro-2-b...	11.005	53	210523	89.587	ug/L	#	83
93) 4-Chlorotoluene	11.061	91	2821319	86.671	ug/L		99
94) tert-Butylbenzene	11.288	119	2915780	100.137	ug/L		99
97) 1,2,4-Trimethylbenzene	11.373	105	3268564	102.024	ug/L		99
98) sec-Butylbenzene	11.486	105	4195507	101.874	ug/L		99
99) p-Isopropyltoluene	11.648	119	3697413	108.430	ug/L		99
100) 1,3-Dichlorobenzene	11.712	146	1724169	84.962	ug/L		99
101) 1,4-Dichlorobenzene	11.811	146	1726437	77.273	ug/L		99
102) p-Diethylbenzene	12.030	119	2149231	110.547	ug/L		99
103) n-Butylbenzene	12.094	91	3205352	103.433	ug/L		100
104) 1,2-Dichlorobenzene	12.243	146	1520761	82.995	ug/L		99
105) 1,2,4,5-Tetramethylben...	12.844	119	3084904	117.059	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.035	155	91177	94.532	ug/L		98
107) 1,3,5-Trichlorobenzene	13.063	180	1189082	92.243	ug/L		99
108) Hexachlorobutadiene	13.643	225	461391	97.290	ug/L		100
109) 1,2,4-Trichlorobenzene	13.671	180	981428	95.954	ug/L		100
110) Naphthalene	13.961	128	1866240	106.420	ug/L		100
111) 1,2,3-Trichlorobenzene	14.131	180	760218	91.055	ug/L		100

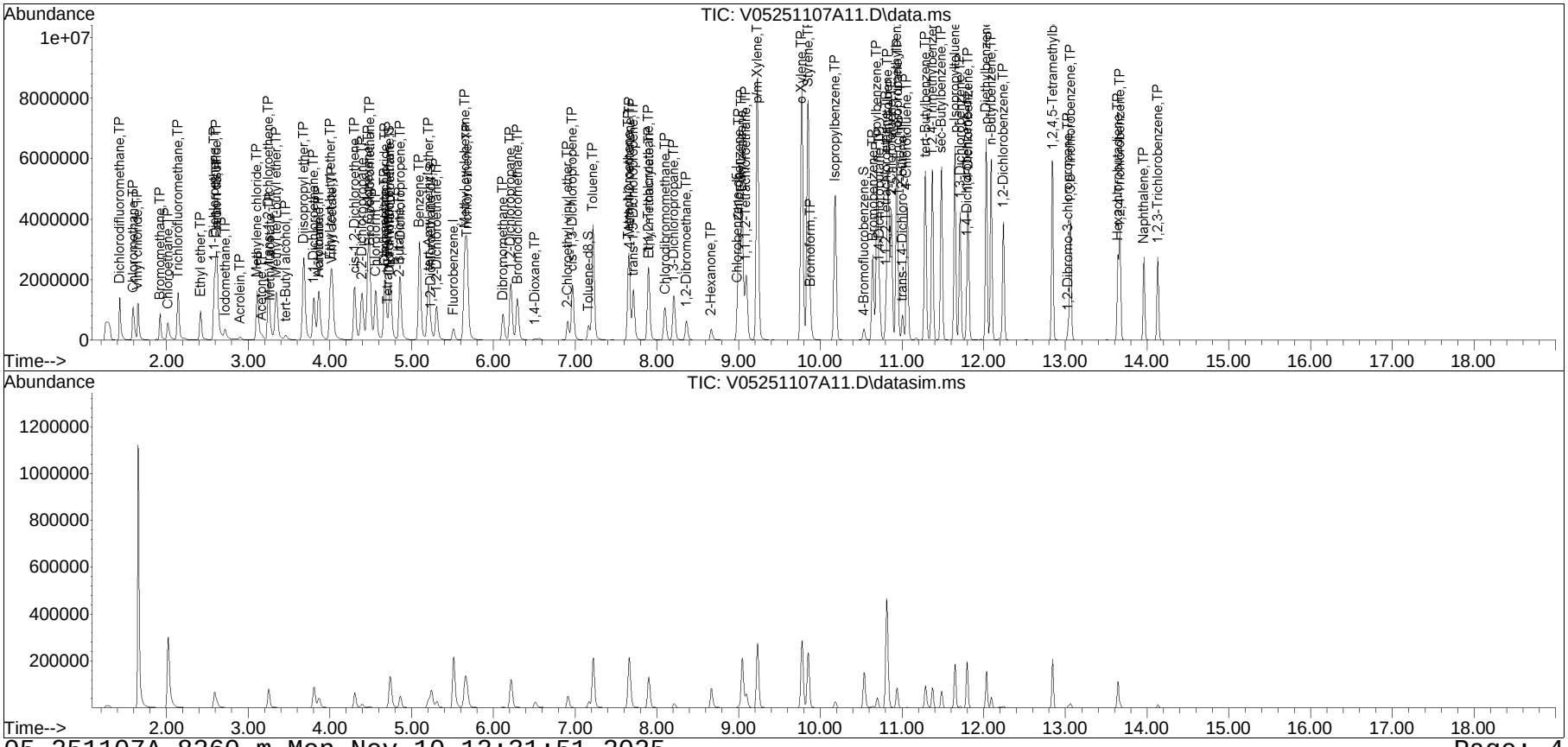
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A11.D
Acq On : 7 Nov 2025 6:14 pm
Operator : VOA105:PID
Sample : I8260STD80PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 10 11:51:49 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:49:08 2025
Response via : Initial Calibration

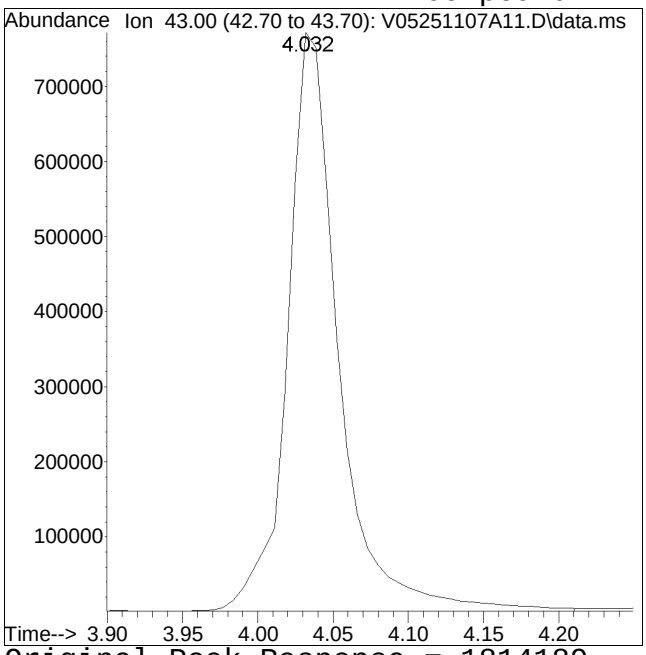
Sub List : 8260-Curve - Megamix plus Diox\V05251107A09.D•



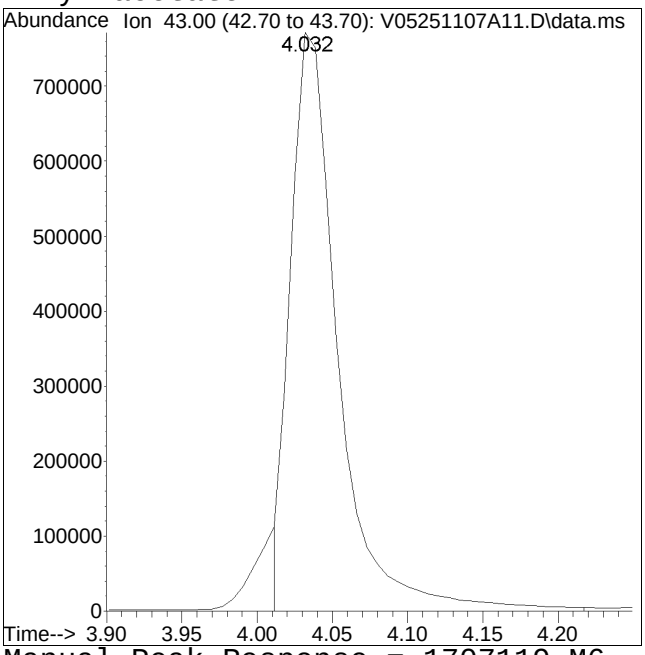
Manual Integration Report

Data Path : K:\VOA105\2025\251107AICALQMethod : V105_251107A_8260.m
Data File : V05251107A11.D Operator : VOA105:PID
Date Inj'd : 11/7/2025 6:14 pm Instrument : VOA105
Sample : I8260STD80PPB Quant Date : 11/10/2025 11:49 am

Compound #27: Vinyl acetate



Original Peak Response = 1814189



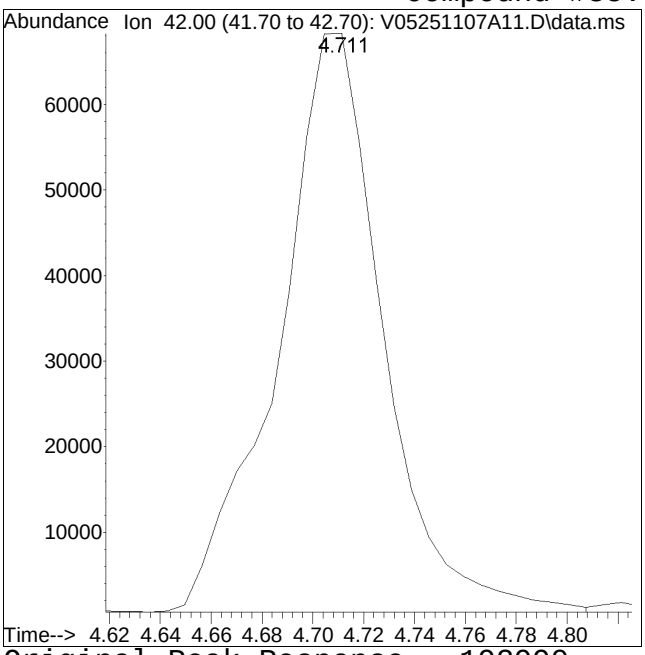
Manual Peak Response = 1707119 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

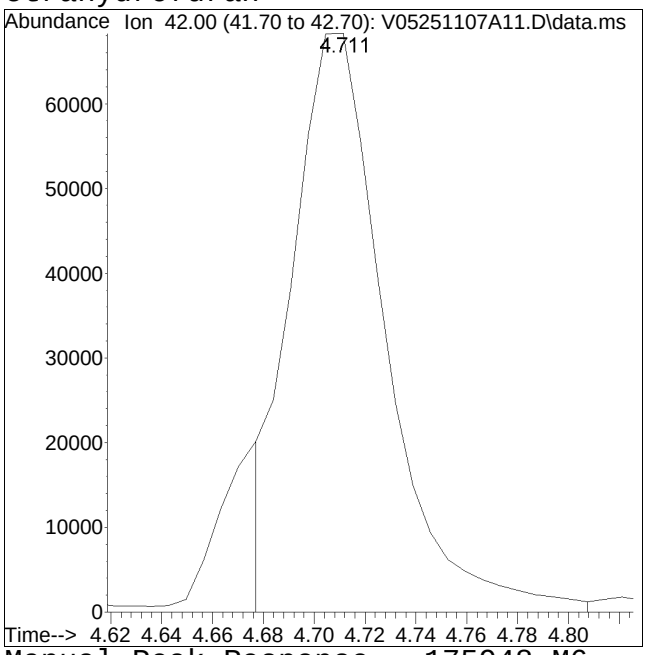
Manual Integration Report

Data Path : K:\VOA105\2025\251107AICALQMethod : V105_251107A_8260.m
Data File : V05251107A11.D Operator : VOA105:PID
Date Inj'd : 11/7/2025 6:14 pm Instrument : VOA105
Sample : I8260STD80PPB Quant Date : 11/10/2025 11:49 am

Compound #35: Tetrahydrofuran



Original Peak Response = 192990



Manual Peak Response = 175948 M6

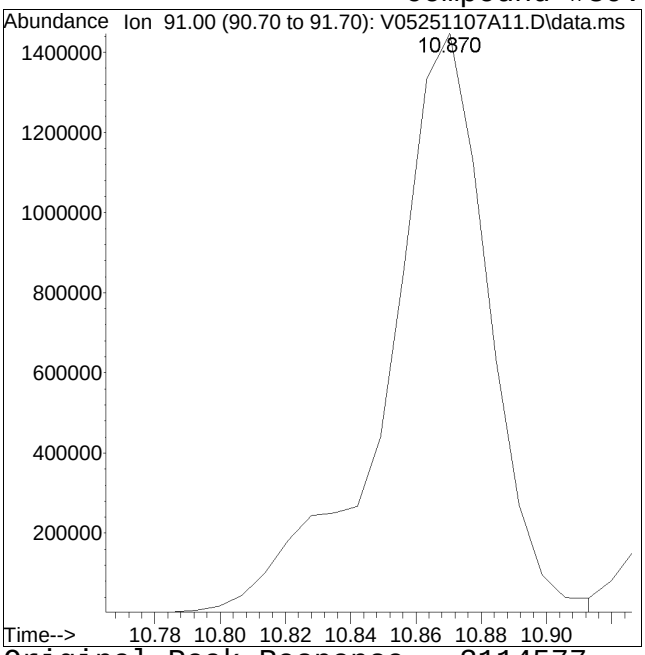
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

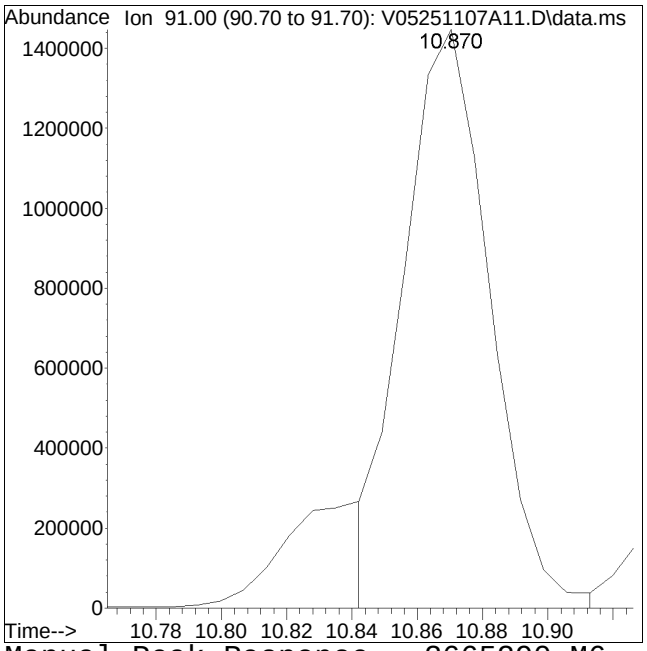
Data Path : K:\VOA105\2025\251107AICALQ
Data File : V05251107A11.D
Date Inj'd : 11/7/2025 6:14 pm
Sample : I8260STD80PPB

Method : V105_251107A_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 11/10/2025 11:49 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 3114577



Manual Peak Response = 2665290 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A12.D
Acq On : 7 Nov 2025 6:39 pm
Operator : VOA105:PID
Sample : I8260STD120PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 10 11:53:07 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:49:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251107AICAL\V05251107A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.513	96	415720	10.000	ug/L	0.00
Standard Area 1 = 340730			Recovery = 122.01%			
59) Chlorobenzene-d5	8.985	117	330843	10.000	ug/L	0.00
Standard Area 1 = 264274			Recovery = 125.19%			
79) 1,4-Dichlorobenzene-d4	11.797	152	188028	10.000	ug/L	0.00
Standard Area 1 = 153832			Recovery = 122.23%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.732	113	108990	9.064	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.64%			
43) 1,2-Dichloroethane-d4	5.238	65	134921	8.876	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.76%			
60) Toluene-d8	7.165	98	413653	9.945	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.45%			
83) 4-Bromofluorobenzene	10.531	95	159051	9.823	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.23%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.431	85	1837495	147.610	ug/L	99
3) Chloromethane	1.595	50	2172540	115.778	ug/L	100
4) Vinyl chloride	1.650	62	1786930	131.049	ug/L	99
5) Bromomethane	1.925	94	770478	195.838	ug/L	100
6) Chloroethane	2.014	64	926854	109.481	ug/L	99
7) Trichlorofluoromethane	2.145	101	2169108	134.290	ug/L	99
8) Ethyl ether	2.419	74	557796	125.893	ug/L	95
10) 1,1-Dichloroethene	2.591	96	1025325	127.164	ug/L	97
11) Carbon disulfide	2.611	76	3536201	121.827	ug/L	99
12) Freon-113	2.618	101	1129226	143.865	ug/L	93
13) Iodomethane	2.721	142	801370	2159.863	ug/L #	98
14) Acrolein	2.900	56	163336	140.708	ug/L	89
15) Methylene chloride	3.112	84	1166932	108.401	ug/L	94
17) Acetone	3.167	43	255111	112.501	ug/L	97
18) trans-1,2-Dichloroethene	3.250	96	1222810	124.641	ug/L	98
19) Methyl acetate	3.270	43	625894	152.073	ug/L	96
20) Methyl tert-butyl ether	3.346	73	2922285	144.384	ug/L	93
21) tert-Butyl alcohol	3.462	59	336403	674.833	ug/L	93
22) Diisopropyl ether	3.682	45	5094272	143.931	ug/L	96
23) 1,1-Dichloroethane	3.806	63	2630291	114.257	ug/L	99
24) Halothane	3.867	117	932903	126.368	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A12.D
Acq On : 7 Nov 2025 6:39 pm
Operator : VOA105:PID
Sample : I8260STD120PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 10 11:53:07 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:49:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251107AICAL\V05251107A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.867	53	377129	141.819	ug/L	96
26) Ethyl tert-butyl ether	4.012	59	4085263	153.250	ug/L	98
27) Vinyl acetate	4.032	43	3066826	169.840	ug/L	100
28) cis-1,2-Dichloroethene	4.307	96	1340660	120.278	ug/L	99
29) 2,2-Dichloropropane	4.389	77	1933244	127.506	ug/L	95
30) Bromochloromethane	4.492	128	543162	111.829	ug/L	96
31) Cyclohexane	4.471	56	3140010	167.566	ug/L	99
32) Chloroform	4.561	83	2220599	108.197	ug/L	98
33) Ethyl acetate	4.670	43	974399	148.844	ug/L	99
34) Carbon tetrachloride	4.677	117	2021770	130.418	ug/L	99
35) Tetrahydrofuran	4.705	42	302421M6	125.148	ug/L	
37) 1,1,1-Trichloroethane	4.739	97	2113361	126.584	ug/L	98
39) 2-Butanone	4.849	43	419854	158.241	ug/L	93
40) 1,1-Dichloropropene	4.863	75	1792578	150.144	ug/L	100
41) Benzene	5.097	78	5249336	131.836	ug/L	99
42) tert-Amyl methyl ether	5.210	73	2863208	167.697	ug/L	89
44) 1,2-Dichloroethane	5.309	62	1747677	112.799	ug/L	100
47) Methyl cyclohexane	5.655	83	2321330	181.337	ug/L	98
48) Trichloroethene	5.683	95	1369872	120.129	ug/L	99
50) Dibromomethane	6.120	93	672954	125.293	ug/L	99
51) 1,2-Dichloropropane	6.212	63	1467463	129.427	ug/L	99
53) 2-Chloroethyl vinyl ether	6.911	63	584908	225.433	ug/L	98
54) Bromodichloromethane	6.297	83	1734978	124.147	ug/L	100
57) 1,4-Dioxane	6.508	88	63049	1399.081	ug/L	97
58) cis-1,3-Dichloropropene	6.967	75	2061955	166.000	ug/L	97
61) Toluene	7.221	92	3159700	125.388	ug/L	99
62) 4-Methyl-2-pentanone	7.665	58	349668	174.388	ug/L	86
63) Tetrachloroethene	7.658	166	1413497	133.721	ug/L	99
65) trans-1,3-Dichloropropene	7.715	75	1748714	174.402	ug/L	95
67) Ethyl methacrylate	7.905	69	1152760	182.431	ug/L	88
68) 1,1,2-Trichloroethane	7.898	83	763829	133.688	ug/L	98
69) Chlorodibromomethane	8.103	129	1225475	135.837	ug/L	99
70) 1,3-Dichloropropane	8.209	76	1663773	131.403	ug/L	100
71) 1,2-Dibromoethane	8.364	107	918067	141.649	ug/L	99
72) 2-Hexanone	8.667	43	592218	189.231	ug/L	94
73) Chlorobenzene	9.006	112	3498711	122.062	ug/L	98
74) Ethylbenzene	9.048	91	6318866	131.443	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.098	131	1313349	134.461	ug/L	99
76) p/m Xylene	9.232	106	4761178	271.912	ug/L	99
77) o Xylene	9.775	106	4598104	276.604	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A12.D
Acq On : 7 Nov 2025 6:39 pm
Operator : VOA105:PID
Sample : I8260STD120PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 10 11:53:07 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:49:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251107AICAL\V05251107A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	9.853	104	7493535	275.316	ug/L		98
80) Bromoform	9.881	173	724507	138.746	ug/L		98
82) Isopropylbenzene	10.185	105	6899984	157.355	ug/L		98
84) Bromobenzene	10.644	156	1446340	124.973	ug/L		99
85) n-Propylbenzene	10.694	91	7833287	140.717	ug/L		100
86) 1,4-Dichlorobutane	10.722	55	2062336	131.660	ug/L		99
87) 1,1,2,2-Tetrachloroethane	10.814	83	1071449	139.663	ug/L		100
88) 4-Ethyltoluene	10.828	105	6452185	146.653	ug/L		100
89) 2-Chlorotoluene	10.871	91	4418413M6	125.479	ug/L		
90) 1,3,5-Trimethylbenzene	10.941	105	5564095	148.204	ug/L		99
91) 1,2,3-Trichloropropane	10.949	75	903320	134.041	ug/L		99
92) trans-1,4-Dichloro-2-b...	11.005	53	381484	149.113	ug/L	#	82
93) 4-Chlorotoluene	11.062	91	4700387	132.632	ug/L		99
94) tert-Butylbenzene	11.288	119	4876884	153.842	ug/L		99
97) 1,2,4-Trimethylbenzene	11.373	105	5480829	157.141	ug/L		99
98) sec-Butylbenzene	11.486	105	7065933	157.595	ug/L		99
99) p-Isopropyltoluene	11.649	119	6180585	166.485	ug/L		100
100) 1,3-Dichlorobenzene	11.712	146	2848469	128.929	ug/L		99
101) 1,4-Dichlorobenzene	11.811	146	2875790	118.231	ug/L		99
102) p-Diethylbenzene	12.031	119	3632100	171.599	ug/L		99
103) n-Butylbenzene	12.094	91	5394951	159.906	ug/L		99
104) 1,2-Dichlorobenzene	12.243	146	2562102	128.435	ug/L		99
105) 1,2,4,5-Tetramethylben...	12.844	119	5221272	181.985	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.035	155	166304	158.377	ug/L		100
107) 1,3,5-Trichlorobenzene	13.063	180	1995224	142.171	ug/L		99
108) Hexachlorobutadiene	13.643	225	782372	151.533	ug/L		99
109) 1,2,4-Trichlorobenzene	13.672	180	1679856	150.858	ug/L		100
110) Naphthalene	13.962	128	3376369	176.848	ug/L		100
111) 1,2,3-Trichlorobenzene	14.132	180	1352997	148.853	ug/L		99

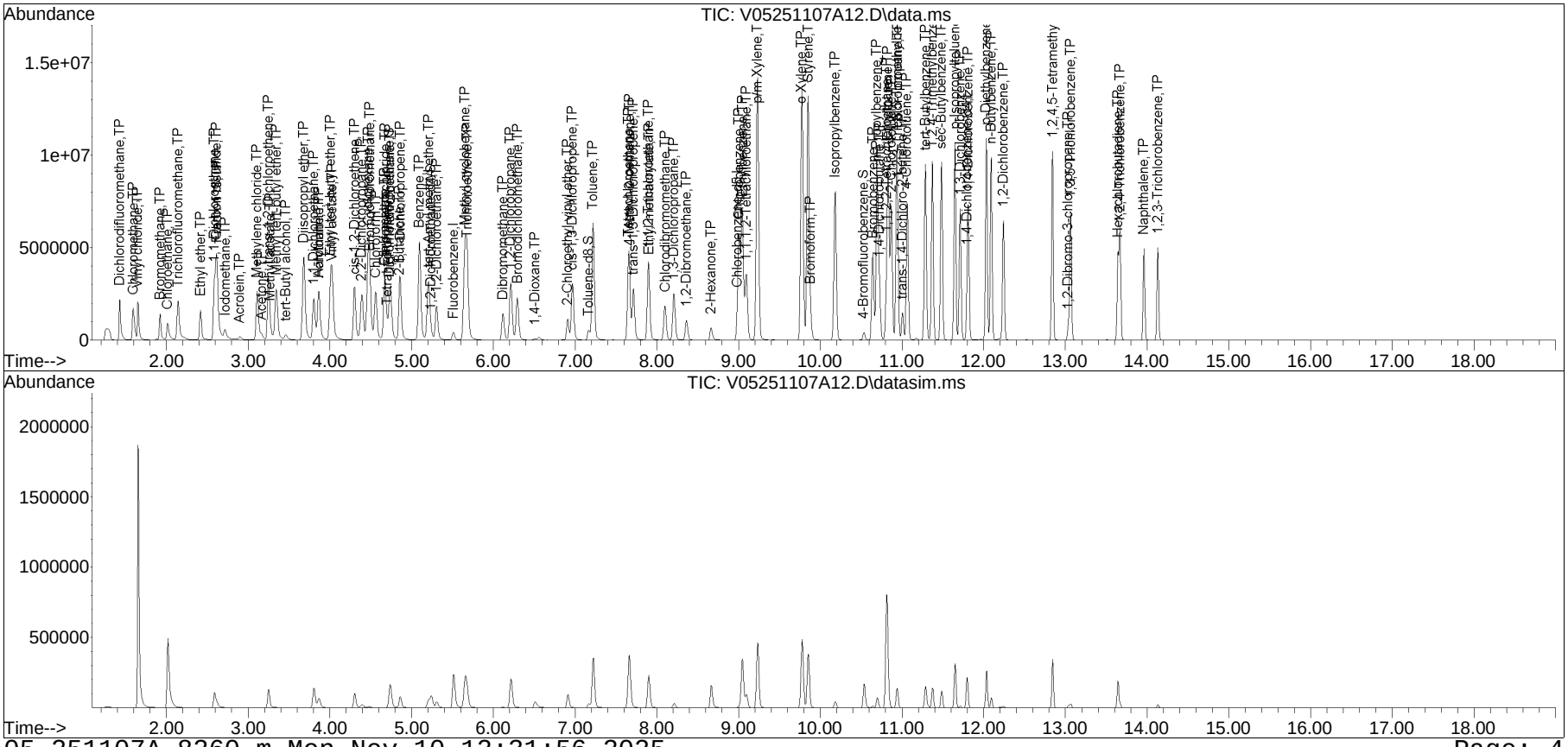
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A12.D
Acq On : 7 Nov 2025 6:39 pm
Operator : VOA105:PID
Sample : I8260STD120PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 10 11:53:07 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:49:08 2025
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\V05251107A09.D•

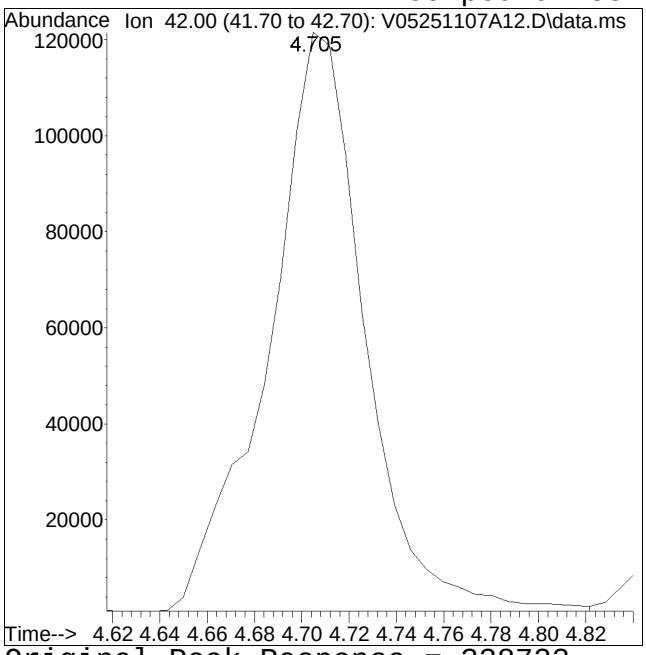


Manual Integration Report

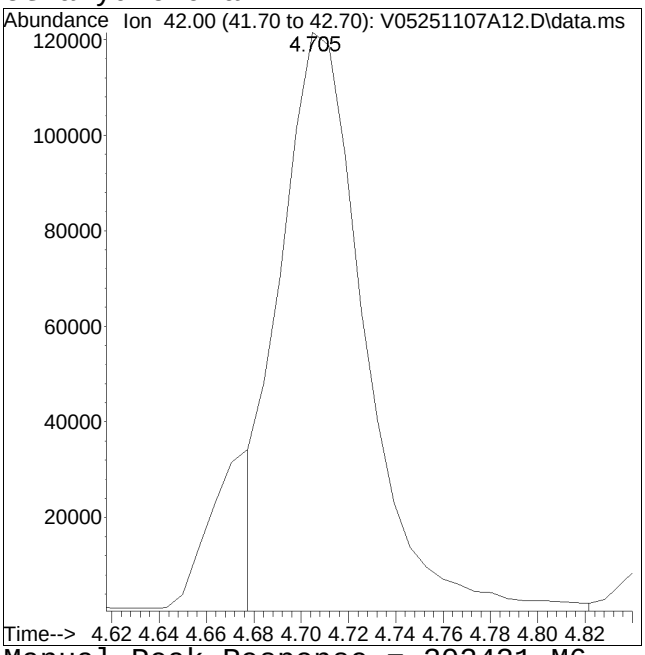
Data Path : K:\VOA105\2025\251107AICALQ
Data File : V05251107A12.D
Date Inj'd : 11/7/2025 6:39 pm
Sample : I8260STD120PPB

Method : V105_251107A_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 11/10/2025 11:49 am

Compound #35: Tetrahydrofuran



Original Peak Response = 338722



Manual Peak Response = 302421 M6

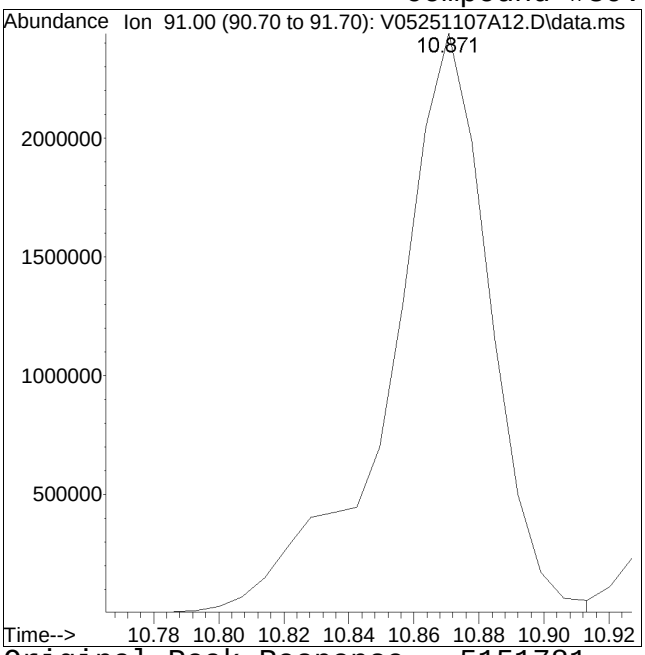
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

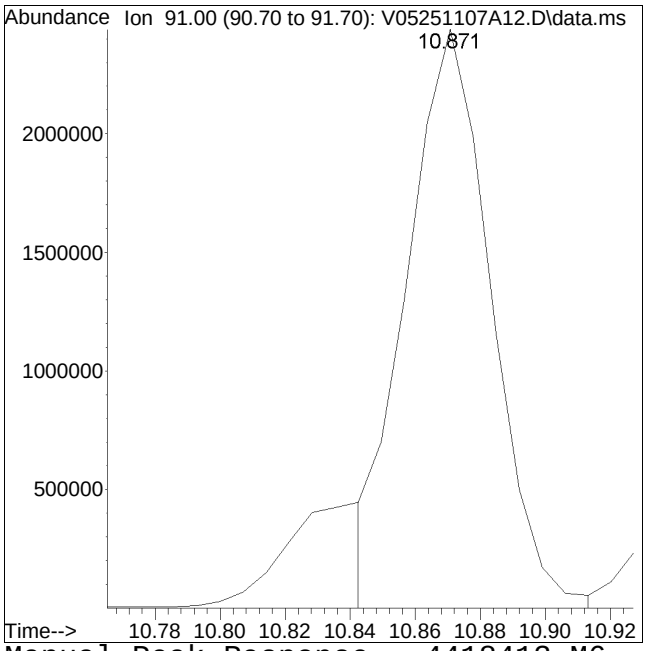
Data Path : K:\VOA105\2025\251107AICALQ
Data File : V05251107A12.D
Date Inj'd : 11/7/2025 6:39 pm
Sample : I8260STD120PPB

Method : V105_251107A_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 11/10/2025 11:49 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 5151781



Manual Peak Response = 4418413 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A13.D
Acq On : 7 Nov 2025 7:04 pm
Operator : VOA105:PID
Sample : I8260STD200PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 10 11:54:12 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:49:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251107AICAL\V05251107A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.513	96	481378	10.000	ug/L	0.00
Standard Area 1 = 340730			Recovery = 141.28%			
59) Chlorobenzene-d5	8.985	117	374900	10.000	ug/L	0.00
Standard Area 1 = 264274			Recovery = 141.86%			
79) 1,4-Dichlorobenzene-d4	11.797	152	206560	10.000	ug/L	0.00
Standard Area 1 = 153832			Recovery = 134.28%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.732	113	121308	8.712	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.12%			
43) 1,2-Dichloroethane-d4	5.245	65	154783	8.794	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.94%			
60) Toluene-d8	7.164	98	482669	10.241	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.41%			
83) 4-Bromofluorobenzene	10.538	95	186140	10.465	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.65%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.431	85	3491451	242.221	ug/L	99
3) Chloromethane	1.595	50	4330404	199.298	ug/L	100
4) Vinyl chloride	1.650	62	3494042	221.293	ug/L	99
5) Bromomethane	1.925	94	1547410	339.669	ug/L	99
6) Chloroethane	2.014	64	1595313	162.738	ug/L	99
7) Trichlorofluoromethane	2.144	101	3909956	209.050	ug/L	99
8) Ethyl ether	2.419	74	1043027	203.300	ug/L	95
10) 1,1-Dichloroethene	2.591	96	1937570	207.527	ug/L	97
11) Carbon disulfide	2.611	76	6729462	200.217	ug/L	99
12) Freon-113	2.618	101	2110395	232.194	ug/L	96
13) Iodomethane	2.721	142	1682945	3917.217	ug/L #	94
14) Acrolein	2.899	56	317124	235.929	ug/L	91
15) Methylene chloride	3.112	84	2237314	179.485	ug/L	92
17) Acetone	3.167	43	490677	186.869	ug/L	97
18) trans-1,2-Dichloroethene	3.249	96	2363120	208.018	ug/L	98
19) Methyl acetate	3.270	43	1210354	253.967	ug/L	96
20) Methyl tert-butyl ether	3.346	73	5607113	239.250	ug/L	92
21) tert-Butyl alcohol	3.462	59	662734	1148.128	ug/L	92
22) Diisopropyl ether	3.682	45	9813590	239.450	ug/L	96
23) 1,1-Dichloroethane	3.805	63	5054178	189.602	ug/L	99
24) Halothane	3.867	117	1783679	208.657	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A13.D
Acq On : 7 Nov 2025 7:04 pm
Operator : VOA105:PID
Sample : I8260STD200PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 10 11:54:12 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:49:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251107AICAL\V05251107A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.867	53	722033	234.485	ug/L	94
26) Ethyl tert-butyl ether	4.011	59	7853114	254.411	ug/L	99
27) Vinyl acetate	4.032	43	5588504M6	267.277	ug/L	
28) cis-1,2-Dichloroethene	4.300	96	2586234	200.378	ug/L	98
29) 2,2-Dichloropropane	4.396	77	3679417	209.574	ug/L	94
30) Bromochloromethane	4.492	128	999734	177.756	ug/L	95
31) Cyclohexane	4.471	56	6045433	278.610	ug/L	98
32) Chloroform	4.560	83	4194692	176.506	ug/L	98
33) Ethyl acetate	4.670	43	1890177	249.351	ug/L	98
34) Carbon tetrachloride	4.677	117	3822798	212.962	ug/L	99
35) Tetrahydrofuran	4.705	42	581505M6	207.816	ug/L	
37) 1,1,1-Trichloroethane	4.739	97	3991392	206.465	ug/L	98
39) 2-Butanone	4.849	43	818913	266.547	ug/L	92
40) 1,1-Dichloropropene	4.862	75	3487956	252.299	ug/L	100
41) Benzene	5.097	78	10219362	221.650	ug/L	98
42) tert-Amyl methyl ether	5.210	73	5624956	284.516	ug/L	88
44) 1,2-Dichloroethane	5.309	62	3263789	181.920	ug/L	99
47) Methyl cyclohexane	5.654	83	4594844	309.981	ug/L	96
48) Trichloroethene	5.683	95	2665126	201.838	ug/L	98
50) Dibromomethane	6.120	93	1317859	211.897	ug/L	98
51) 1,2-Dichloropropane	6.212	63	2903224	221.133	ug/L	98
53) 2-Chloroethyl vinyl ether	6.910	63	1196045	398.099	ug/L	96
54) Bromodichloromethane	6.296	83	3356379	207.409	ug/L	99
57) 1,4-Dioxane	6.508	88	124049	2377.237	ug/L	94
58) cis-1,3-Dichloropropene	6.974	75	4059771	282.257	ug/L	95
61) Toluene	7.221	92	6157441	215.633	ug/L	99
62) 4-Methyl-2-pentanone	7.665	58	687180	302.438	ug/L	84
63) Tetrachloroethene	7.658	166	2696787	225.143	ug/L	100
65) trans-1,3-Dichloropropene	7.715	75	3385150	297.932	ug/L	94
67) Ethyl methacrylate	7.905	69	2294003	320.375	ug/L	86
68) 1,1,2-Trichloroethane	7.898	83	1493786	230.723	ug/L	98
69) Chlorodibromomethane	8.103	129	2372153	232.040	ug/L	99
70) 1,3-Dichloropropane	8.216	76	3266423	227.661	ug/L	100
71) 1,2-Dibromoethane	8.364	107	1813689	246.949	ug/L	99
72) 2-Hexanone	8.667	43	1173244	330.831	ug/L	93
73) Chlorobenzene	9.006	112	6781667	208.793	ug/L	99
74) Ethylbenzene	9.048	91	12216144	224.254	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.098	131	2498122	225.703	ug/L	99
76) p/m Xylene	9.239	106	9057794	456.502	ug/L	98
77) o Xylene	9.782	106	8748631	464.437	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A13.D
Acq On : 7 Nov 2025 7:04 pm
Operator : VOA105:PID
Sample : I8260STD200PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 10 11:54:12 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:49:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251107AICAL\V05251107A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	9.853	104	14074255	456.328	ug/L		97
80) Bromoform	9.881	173	1386339	241.671	ug/L		98
82) Isopropylbenzene	10.184	105	12529437	260.099	ug/L		99
84) Bromobenzene	10.644	156	2767333	217.663	ug/L		99
85) n-Propylbenzene	10.701	91	14810263	242.182	ug/L		100
86) 1,4-Dichlorobutane	10.722	55	3948646	229.466	ug/L		98
87) 1,1,2,2-Tetrachloroethane	10.814	83	2059418	244.360	ug/L		100
88) 4-Ethyltoluene	10.835	105	11985950	247.989	ug/L		100
89) 2-Chlorotoluene	10.870	91	8418614M6	217.632	ug/L		
90) 1,3,5-Trimethylbenzene	10.941	105	10336557	250.622	ug/L		100
91) 1,2,3-Trichloropropane	10.948	75	1713620	231.467	ug/L		98
92) trans-1,4-Dichloro-2-b...	11.012	53	715816	254.693	ug/L	#	76
93) 4-Chlorotoluene	11.069	91	8848084	227.269	ug/L		98
94) tert-Butylbenzene	11.288	119	9089372	261.002	ug/L		99
97) 1,2,4-Trimethylbenzene	11.373	105	10179075	265.660	ug/L		99
98) sec-Butylbenzene	11.486	105	13007386	264.083	ug/L		99
99) p-Isopropyltoluene	11.649	119	11246658	275.770	ug/L		100
100) 1,3-Dichlorobenzene	11.712	146	5246727	216.174	ug/L		99
101) 1,4-Dichlorobenzene	11.811	146	5259343	196.826	ug/L		99
102) p-Diethylbenzene	12.038	119	6688574	287.652	ug/L		98
103) n-Butylbenzene	12.094	91	9909191	267.358	ug/L		99
104) 1,2-Dichlorobenzene	12.243	146	4678602	213.490	ug/L		99
105) 1,2,4,5-Tetramethylben...	12.844	119	9675270	306.972	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.042	155	308194	267.172	ug/L		100
107) 1,3,5-Trichlorobenzene	13.063	180	3612364	234.307	ug/L		99
108) Hexachlorobutadiene	13.643	225	1403367	247.424	ug/L		99
109) 1,2,4-Trichlorobenzene	13.672	180	3016590	246.598	ug/L		99
110) Naphthalene	13.962	128	6081452	289.957	ug/L		100
111) 1,2,3-Trichlorobenzene	14.131	180	2417078	242.063	ug/L		99

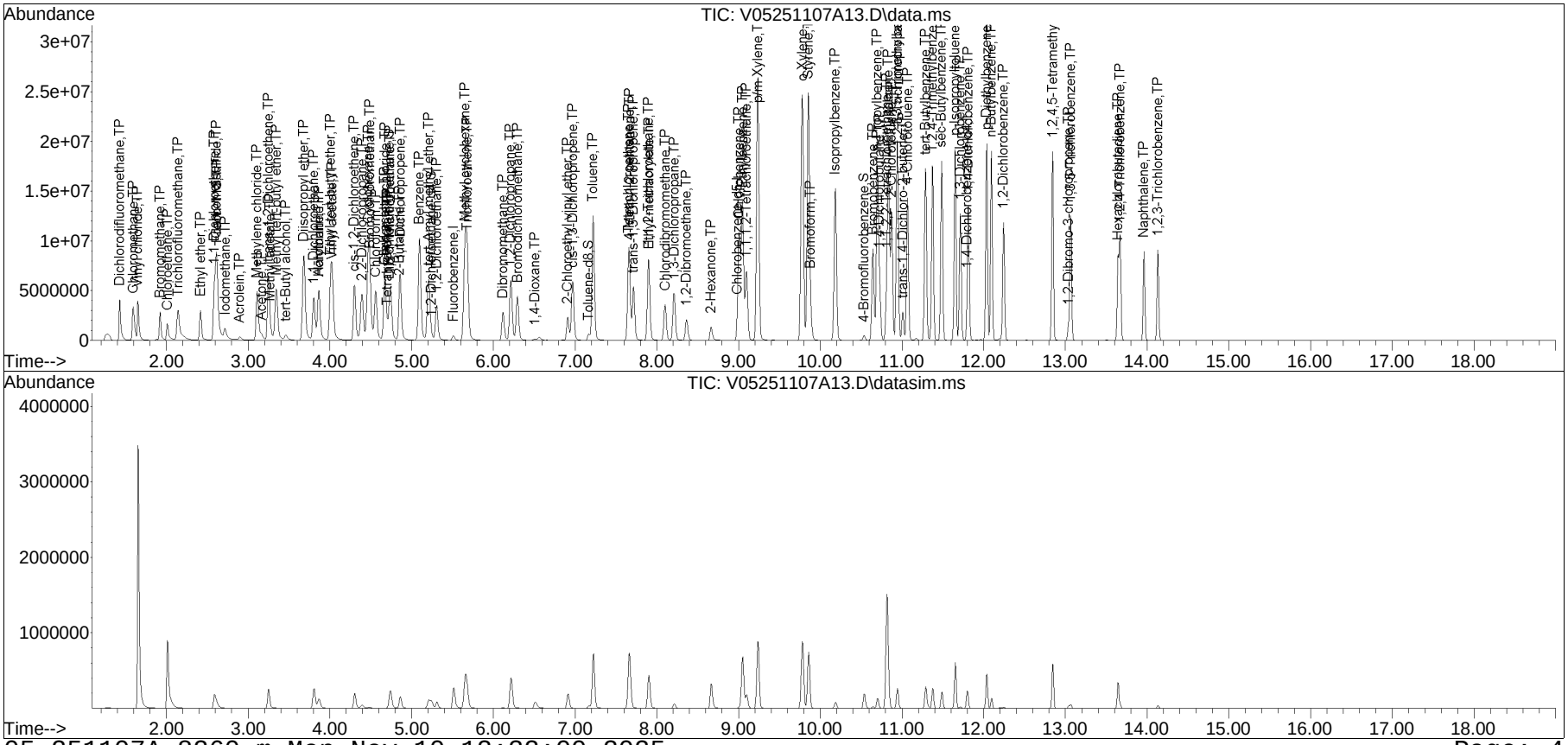
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A13.D
Acq On : 7 Nov 2025 7:04 pm
Operator : VOA105:PID
Sample : I8260STD200PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 10 11:54:12 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:49:08 2025
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\V05251107A09.D•

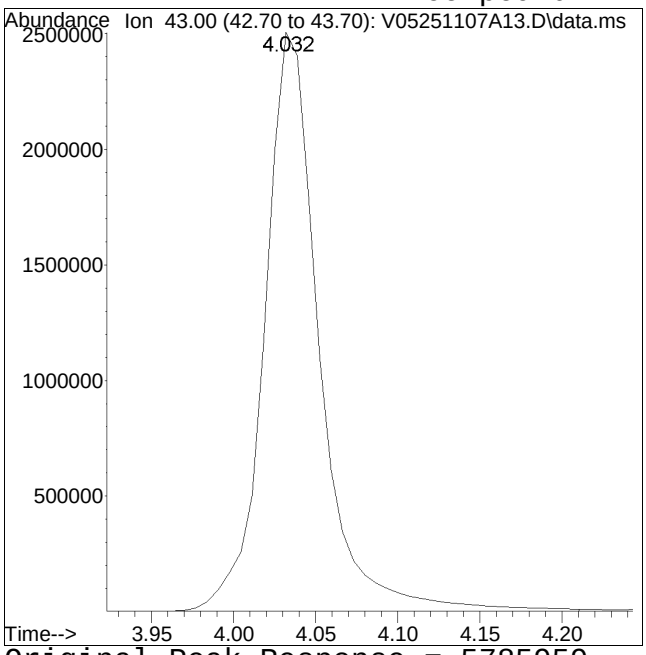


Manual Integration Report

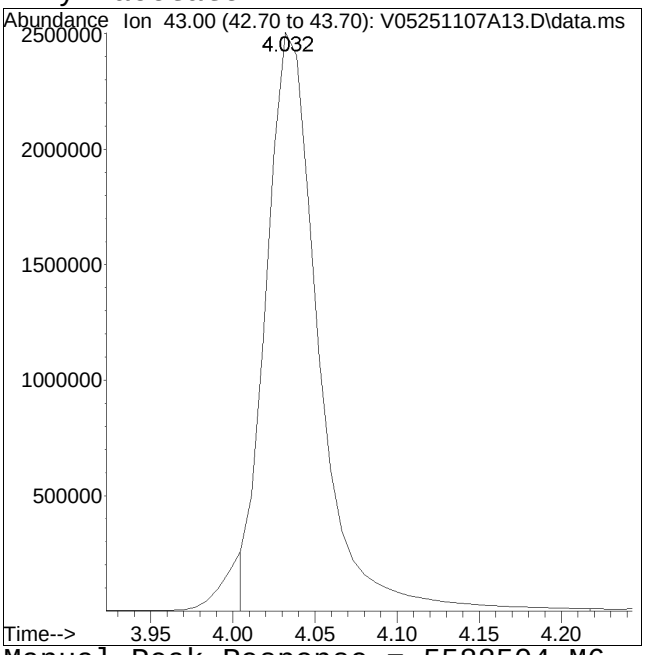
Data Path : K:\VOA105\2025\251107AICALQ
Data File : V05251107A13.D
Date Inj'd : 11/7/2025 7:04 pm
Sample : I8260STD200PPB

Method : V105_251107A_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 11/10/2025 11:49 am

Compound #27: Vinyl acetate



Original Peak Response = 5785959



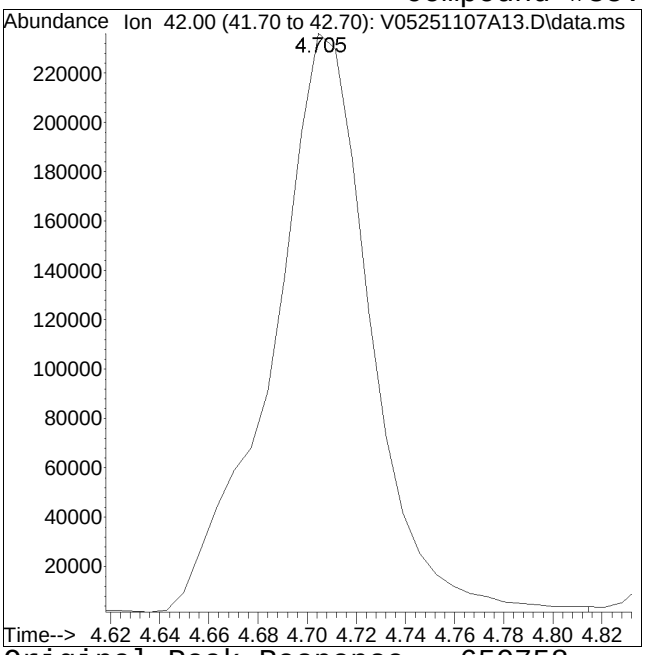
Manual Peak Response = 5588504 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

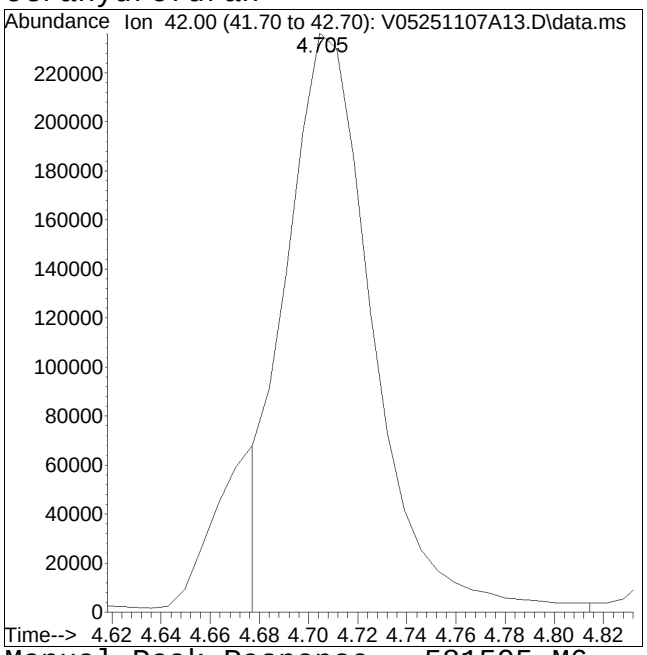
Manual Integration Report

Data Path : K:\VOA105\2025\251107AICALQMethod : V105_251107A_8260.m
Data File : V05251107A13.D Operator : VOA105:PID
Date Inj'd : 11/7/2025 7:04 pm Instrument : VOA105
Sample : I8260STD200PPB Quant Date : 11/10/2025 11:49 am

Compound #35: Tetrahydrofuran



Original Peak Response = 650758



Manual Peak Response = 581505 M6

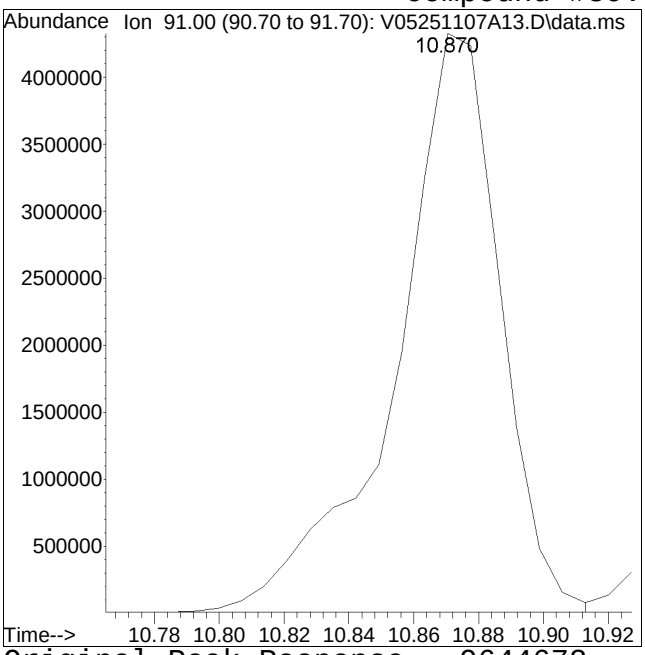
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

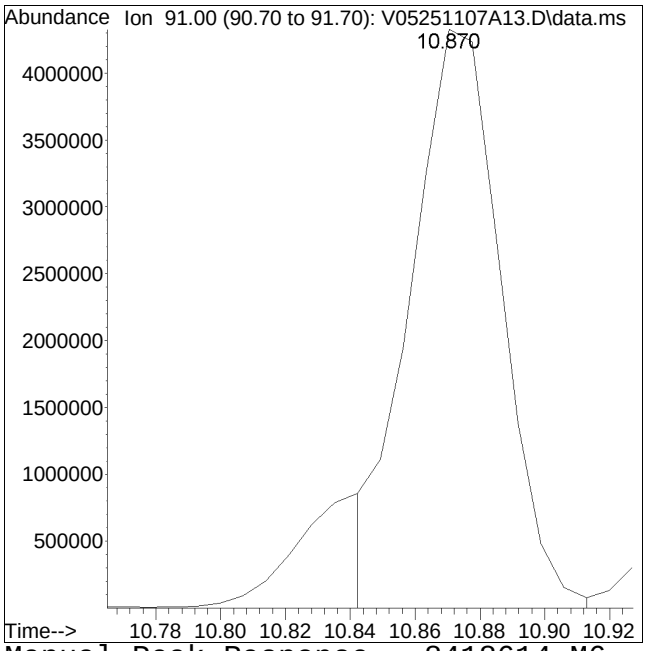
Data Path : K:\VOA105\2025\251107AICALQ
Data File : V05251107A13.D
Date Inj'd : 11/7/2025 7:04 pm
Sample : I8260STD200PPB

Method : V105_251107A_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 11/10/2025 11:49 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 9644672



Manual Peak Response = 8418614 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A18.D
Acq On : 7 Nov 2025 9:12 pm
Operator : VOA105:PID
Sample : C8260STD10PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 10 12:01:25 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	124	0.00
2	TP	Dichlorodifluoromethane	0.335	0.334	0.3	123	0.00
3	TP	Chloromethane	0.448	0.484	-8.0	129	0.00
4	TP	Vinyl chloride	0.343	0.377	-9.9	134	0.00
5	TP	Bromomethane	* 10.000	7.934	20.7#	117	0.00
6	TP	Chloroethane	0.195	0.202	-3.6	120	0.00
7	TP	Trichlorofluoromethane	0.414	0.464	-12.1	132	0.00
8	TP	Ethyl ether	0.109	0.108	0.9	120	0.00
10	TP	1,1-Dichloroethene	0.201	0.210	-4.5	126	0.00
11	TP	Carbon disulfide	0.703	0.685	2.6	119	0.00
12	TP	Freon-113	0.208	0.216	-3.8	123	0.00
13	TP	Iodomethane	0.000	0.000#	0.0	0#	-2.72#
14	TP	Acrolein	0.031	0.033	-6.5	134	0.00
15	TP	Methylene chloride	0.245	0.249	-1.6	123	0.00
17	TP	Acetone	0.051	0.051	0.0	140	0.00
18	TP	trans-1,2-Dichloroethene	0.242	0.255	-5.4	126	0.00
19	TP	Methyl acetate	0.114	0.114	0.0	131	0.00
20	TP	Methyl tert-butyl ether	0.533	0.504	5.4	120	0.00
21	TP	tert-Butyl alcohol	0.012	0.013	-8.3	137	0.00
22	TP	Diisopropyl ether	0.949	0.953	-0.4	125	0.00
23	TP	1,1-Dichloroethane	0.545	0.563	-3.3	121	0.00
24	TP	Halothane	0.183	0.184	-0.5	119	0.00
25	TP	Acrylonitrile	0.070	0.069	1.4	124	0.00
26	TP	Ethyl tert-butyl ether	0.736	0.754	-2.4	130	0.00
27	TP	Vinyl acetate	0.533	0.414	22.3#	105	0.00
28	TP	cis-1,2-Dichloroethene	0.271	0.270	0.4	118	0.00
29	TP	2,2-Dichloropropane	0.379	0.362	4.5	115	0.00
30	TP	Bromochloromethane	0.114	0.121	-6.1	119	0.00
31	TP	Cyclohexane	0.562	0.581	-3.4	129	0.00
32	TP	Chloroform	0.471	0.469	0.4	119	0.00
33	TP	Ethyl acetate	0.177	0.170	4.0	134	0.00
34	TP	Carbon tetrachloride	0.388	0.392	-1.0	125	0.00
35	TP	Tetrahydrofuran	0.058	0.061	-5.2	136	0.00
36	S	Dibromofluoromethane	0.276	0.264	4.3	118	0.00
37	TP	1,1,1-Trichloroethane	0.416	0.434	-4.3	125	0.00
39	TP	2-Butanone	0.075	0.083	-10.7	149	0.00
40	TP	1,1-Dichloropropene	0.327	0.372	-13.8	137	0.00
41	TP	Benzene	1.010	1.062	-5.1	123	0.00
42	TP	tert-Amyl methyl ether	0.493	0.484	1.8	129	0.00

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A18.D
Acq On : 7 Nov 2025 9:12 pm
Operator : VOA105:PID
Sample : C8260STD10PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 10 12:01:25 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.346	0.340	1.7	115	0.00
44	TP	1,2-Dichloroethane	0.363	0.357	1.7	119	0.00
47	TP	Methyl cyclohexane	* 10.000	9.445	5.5	125	0.00
48	TP	Trichloroethene	0.276	0.273	1.1	124	0.00
50	TP	Dibromomethane	0.132	0.131	0.8	122	0.00
51	TP	1,2-Dichloropropane	0.286	0.296	-3.5	126	0.00
53	TP	2-Chloroethyl vinyl ether	* 10.000	9.006	9.9	128	0.00
54	TP	Bromodichloromethane	0.343	0.330	3.8	117	0.00
57	TP	1,4-Dioxane	0.00115	0.00117#	-1.7	135	0.00
58	TP	cis-1,3-Dichloropropene	* 10.000	9.529	4.7	124	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	120	0.00
60	S	Toluene-d8	1.265	1.290	-2.0	120	0.00
61	TP	Toluene	0.791	0.816	-3.2	121	0.00
62	TP	4-Methyl-2-pentanone	0.076	0.078	-2.6	145	0.00
63	TP	Tetrachloroethene	0.339	0.357	-5.3	122	0.00
65	TP	trans-1,3-Dichloropropene	* 10.000	9.686	3.1	124	0.00
67	TP	Ethyl methacrylate	0.259	0.268	-3.5	141	0.00
68	TP	1,1,2-Trichloroethane	0.185	0.198#	-7.0	127	0.00
69	TP	Chlorodibromomethane	0.294	0.301	-2.4	126	0.00
70	TP	1,3-Dichloropropane	0.405	0.426	-5.2	126	0.00
71	TP	1,2-Dibromoethane	0.217	0.228	-5.1	126	0.00
72	TP	2-Hexanone	0.129	0.126	2.3	138	0.00
73	TP	Chlorobenzene	0.884	0.910	-2.9	123	0.00
74	TP	Ethylbenzene	1.548	1.634	-5.6	121	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.318	0.315	0.9	119	0.00
76	TP	p/m Xylene	0.576	0.626	-8.7	121	0.00
77	TP	o Xylene	0.552	0.592	-7.2	121	0.00
78	TP	Styrene	0.901	0.984	-9.2	121	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	117	0.00
80	TP	Bromoform	0.299	0.294	1.7	122	0.00
82	TP	Isopropylbenzene	2.709	2.827	-4.4	120	0.00
83	S	4-Bromofluorobenzene	0.858	0.882	-2.8	122	0.00
84	TP	Bromobenzene	0.632	0.650	-2.8	120	0.00
85	TP	n-Propylbenzene	3.254	3.499	-7.5	121	0.00
86	TP	1,4-Dichlorobutane	0.871	0.971	-11.5	131	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.434	0.441	-1.6	120	0.00
88	TP	4-Ethyltoluene	2.634	2.980	-13.1	127	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A18.D
Acq On : 7 Nov 2025 9:12 pm
Operator : VOA105:PID
Sample : C8260STD10PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 10 12:01:25 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene	1.945	2.031	-4.4	115	0.00
90 TP	1,3,5-Trimethylbenzene	2.259	2.362	-4.6	118	0.00
91 TP	1,2,3-Trichloropropane	0.375	0.384	-2.4	124	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.152	0.176	-15.8	136	0.00
93 TP	4-Chlorotoluene	2.005	2.102	-4.8	120	0.00
94 TP	tert-Butylbenzene	1.944	2.061	-6.0	120	0.00
97 TP	1,2,4-Trimethylbenzene	2.169	2.351	-8.4	123	0.00
98 TP	sec-Butylbenzene	2.767	2.990	-8.1	123	0.00
99 TP	p-Isopropyltoluene	* 10.000	9.733	2.7	120	0.00
100 TP	1,3-Dichlorobenzene	1.227	1.259	-2.6	117	0.00
101 TP	1,4-Dichlorobenzene	1.282	1.257	2.0	117	0.00
102 TP	p-Diethylbenzene	1.460	1.418	2.9	120	0.00
103 TP	n-Butylbenzene	2.096	2.196	-4.8	121	0.00
104 TP	1,2-Dichlorobenzene	1.099	1.129	-2.7	120	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.081	2.112	-1.5	129	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.064	0.063	1.6	129	0.00
107 TP	1,3,5-Trichlorobenzene	0.817	0.779	4.7	112	0.00
108 TP	Hexachlorobutadiene	0.307	0.300	2.3	121	0.00
109 TP	1,2,4-Trichlorobenzene	0.667	0.672	-0.7	120	0.00
110 TP	Naphthalene	1.241	1.332	-7.3	134	0.00
111 TP	1,2,3-Trichlorobenzene	0.534	0.575	-7.7	130	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A18.D
Acq On : 7 Nov 2025 9:12 pm
Operator : VOA105:PID
Sample : C8260STD10PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 10 12:01:25 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251107AICAL\V05251107A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.513	96	423737	10.000	ug/L	0.00
Standard Area 1 = 340730			Recovery = 124.36%			
59) Chlorobenzene-d5	8.984	117	316138	10.000	ug/L	0.00
Standard Area 1 = 264274			Recovery = 119.63%			
79) 1,4-Dichlorobenzene-d4	11.797	152	180180	10.000	ug/L	0.00
Standard Area 1 = 153832			Recovery = 117.13%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.739	113	111839	9.569	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.69%			
43) 1,2-Dichloroethane-d4	5.245	65	144218	9.851	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.51%			
60) Toluene-d8	7.164	98	407908	10.203	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.03%			
83) 4-Bromofluorobenzene	10.538	95	158878	10.278	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.78%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.430	85	141672	9.966	ug/L	99
3) Chloromethane	1.595	50	205229	10.803	ug/L	100
4) Vinyl chloride	1.657	62	159898	11.014	ug/L	99
5) Bromomethane	1.924	94	43361	7.934	ug/L	100
6) Chloroethane	2.021	64	85463	10.346	ug/L	100
7) Trichlorofluoromethane	2.144	101	196684	11.222	ug/L	98
8) Ethyl ether	2.419	74	45762	9.946	ug/L	97
10) 1,1-Dichloroethene	2.590	96	89103	10.463	ug/L	95
11) Carbon disulfide	2.611	76	290261	9.737	ug/L	98
12) Freon-113	2.618	101	91573	10.414	ug/L	95
13) Iodomethane	0.000		0	N.D.	d	
14) Acrolein	2.913	56	14159	10.955	ug/L	95
15) Methylene chloride	3.119	84	105669	10.181	ug/L	95
17) Acetone	3.181	43	21687	10.033	ug/L	97
18) trans-1,2-Dichloroethene	3.256	96	107912	10.530	ug/L	97
19) Methyl acetate	3.277	43	48159	9.964	ug/L	99
20) Methyl tert-butyl ether	3.345	73	213669	9.466	ug/L	97
21) tert-Butyl alcohol	3.462	59	26498	50.901	ug/L #	79
22) Diisopropyl ether	3.682	45	403740	10.038	ug/L	98
23) 1,1-Dichloroethane	3.805	63	238547	10.329	ug/L	98
24) Halothane	3.867	117	77986	10.039	ug/L	99

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A18.D
Acq On : 7 Nov 2025 9:12 pm
Operator : VOA105:PID
Sample : C8260STD10PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 10 12:01:25 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251107AICAL\V05251107A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.881	53	29051	9.837	ug/L	94
26) Ethyl tert-butyl ether	4.011	59	319423	10.247	ug/L	91
27) Vinyl acetate	4.045	43	175562M6	7.768	ug/L	
28) cis-1,2-Dichloroethene	4.306	96	114553	9.978	ug/L	99
29) 2,2-Dichloropropane	4.395	77	153602	9.557	ug/L	98
30) Bromochloromethane	4.492	128	51419	10.608	ug/L	97
31) Cyclohexane	4.471	56	246122	10.332	ug/L	100
32) Chloroform	4.567	83	198934	9.967	ug/L	98
33) Ethyl acetate	4.684	43	71952	9.619	ug/L	99
34) Carbon tetrachloride	4.677	117	166263	10.117	ug/L	99
35) Tetrahydrofuran	4.711	42	25680M6	10.425	ug/L	
37) 1,1,1-Trichloroethane	4.739	97	184009	10.437	ug/L	99
39) 2-Butanone	4.862	43	35019	10.983	ug/L	94
40) 1,1-Dichloropropene	4.862	75	157648	11.378	ug/L	99
41) Benzene	5.097	78	450180	10.520	ug/L	99
42) tert-Amyl methyl ether	5.209	73	205239	9.816	ug/L	95
44) 1,2-Dichloroethane	5.308	62	151198	9.842	ug/L	99
47) Methyl cyclohexane	5.654	83	161222	9.445	ug/L	99
48) Trichloroethene	5.682	95	115771	9.909	ug/L	98
50) Dibromomethane	6.120	93	55438	9.925	ug/L	98
51) 1,2-Dichloropropane	6.218	63	125265	10.332	ug/L	99
53) 2-Chloroethyl vinyl ether	6.917	63	36019	9.006	ug/L	97
54) Bromodichloromethane	6.296	83	139716	9.613	ug/L	99
57) 1,4-Dioxane	6.508	88	24779	508.594	ug/L	96
58) cis-1,3-Dichloropropene	6.973	75	155800	9.529	ug/L	98
61) Toluene	7.220	92	258103	10.322	ug/L	100
62) 4-Methyl-2-pentanone	7.672	58	24618	10.271	ug/L	88
63) Tetrachloroethene	7.658	166	112996	10.541	ug/L	99
65) trans-1,3-Dichloropropene	7.714	75	127377	9.686	ug/L	98
67) Ethyl methacrylate	7.905	69	84577	10.324	ug/L	92
68) 1,1,2-Trichloroethane	7.898	83	62447	10.683	ug/L	98
69) Chlorodibromomethane	8.102	129	95210	10.243	ug/L	99
70) 1,3-Dichloropropane	8.208	76	134831	10.523	ug/L	100
71) 1,2-Dibromoethane	8.363	107	72163	10.528	ug/L	99
72) 2-Hexanone	8.674	43	39809	9.739	ug/L	99
73) Chlorobenzene	9.005	112	287817	10.301	ug/L	99
74) Ethylbenzene	9.048	91	516611	10.557	ug/L	100
75) 1,1,1,2-Tetrachloroethane	9.097	131	99639	9.904	ug/L	99
76) p/m Xylene	9.231	106	395643	21.744	ug/L	99
77) o Xylene	9.774	106	374346	21.463	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A18.D
Acq On : 7 Nov 2025 9:12 pm
Operator : VOA105:PID
Sample : C8260STD10PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 10 12:01:25 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251107AICAL\V05251107A09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	9.852	104	622075	21.833	ug/L	99
80)	Bromoform	9.873	173	52978	9.821	ug/L	99
82)	Isopropylbenzene	10.184	105	509384	10.435	ug/L	99
84)	Bromobenzene	10.644	156	117098	10.280	ug/L	99
85)	n-Propylbenzene	10.693	91	630434	10.752	ug/L	100
86)	1,4-Dichlorobutane	10.722	55	174996	11.145	ug/L	99
87)	1,1,2,2-Tetrachloroethane	10.806	83	79522	10.167	ug/L	99
88)	4-Ethyltoluene	10.828	105	536891	11.313	ug/L	100
89)	2-Chlorotoluene	10.870	91	365956M6	10.443	ug/L	
90)	1,3,5-Trimethylbenzene	10.934	105	425548	10.453	ug/L	99
91)	1,2,3-Trichloropropane	10.948	75	69262M1	10.250	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.012	53	31665	11.566	ug/L	96
93)	4-Chlorotoluene	11.061	91	378760	10.486	ug/L	98
94)	tert-Butylbenzene	11.287	119	371431	10.607	ug/L	99
97)	1,2,4-Trimethylbenzene	11.372	105	423551	10.838	ug/L	100
98)	sec-Butylbenzene	11.485	105	538828	10.806	ug/L	99
99)	p-Isopropyltoluene	11.648	119	459621	9.733	ug/L	99
100)	1,3-Dichlorobenzene	11.712	146	226837	10.257	ug/L	100
101)	1,4-Dichlorobenzene	11.811	146	226444	9.800	ug/L	99
102)	p-Diethylbenzene	12.030	119	255570	9.714	ug/L	99
103)	n-Butylbenzene	12.087	91	395712	10.478	ug/L	99
104)	1,2-Dichlorobenzene	12.242	146	203365	10.268	ug/L	99
105)	1,2,4,5-Tetramethylben...	12.844	119	380537	10.149	ug/L	98
106)	1,2-Dibromo-3-chloropr...	13.042	155	11309	9.872	ug/L	96
107)	1,3,5-Trichlorobenzene	13.063	180	140306	9.535	ug/L	99
108)	Hexachlorobutadiene	13.643	225	54144	9.779	ug/L	100
109)	1,2,4-Trichlorobenzene	13.671	180	121064	10.074	ug/L	99
110)	Naphthalene	13.961	128	239935	10.730	ug/L	100
111)	1,2,3-Trichlorobenzene	14.131	180	103560	10.766	ug/L	98

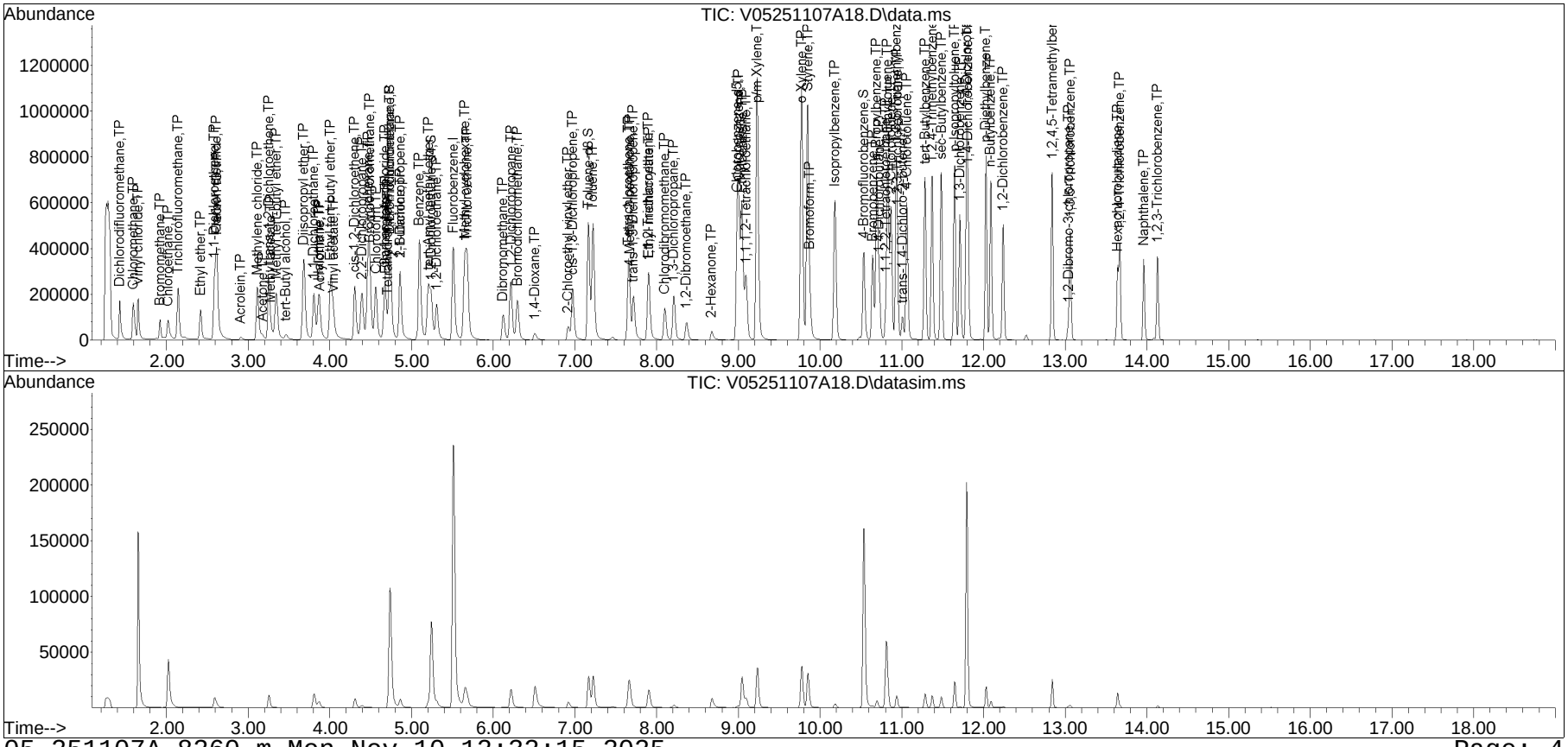
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251107AICAL\
Data File : V05251107A18.D
Acq On : 7 Nov 2025 9:12 pm
Operator : VOA105:PID
Sample : C8260STD10PPB
Misc : WG2139579,ICAL (Sig #1); WG,ICAL22674 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 10 12:01:25 2025
Quant Method : K:\VOA105\2025\251107AICAL\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\V05251107A09.D•

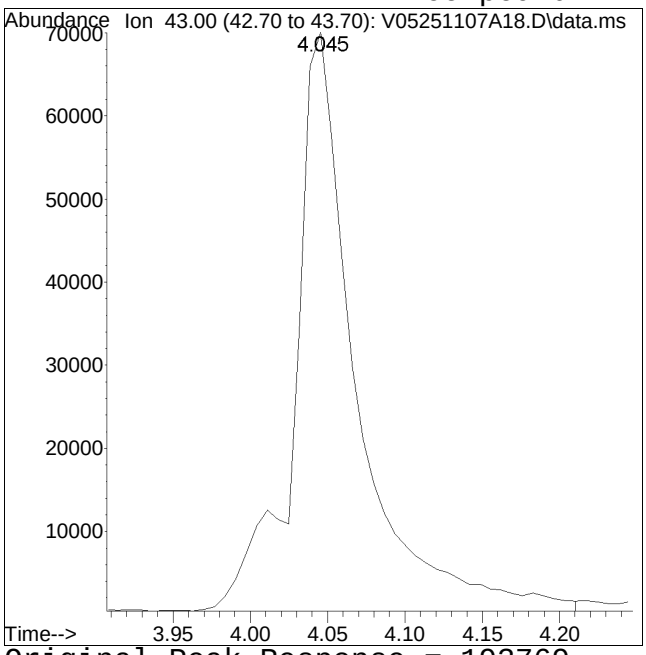


Manual Integration Report

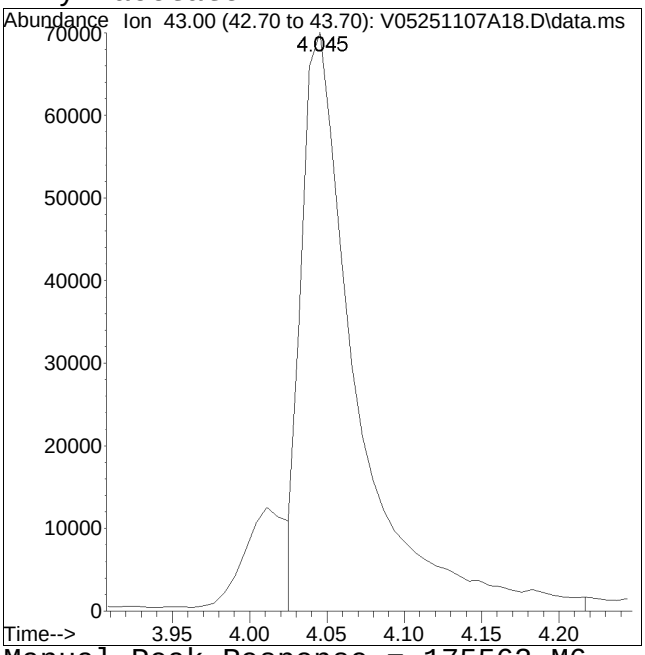
Data Path : K:\VOA105\2025\251107AICALQ
Data File : V05251107A18.D
Date Inj'd : 11/7/2025 9:12 pm
Sample : C8260STD10PPB

Method : V105_251107A_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 11/10/2025 12:00 pm

Compound #27: Vinyl acetate



Original Peak Response = 193769



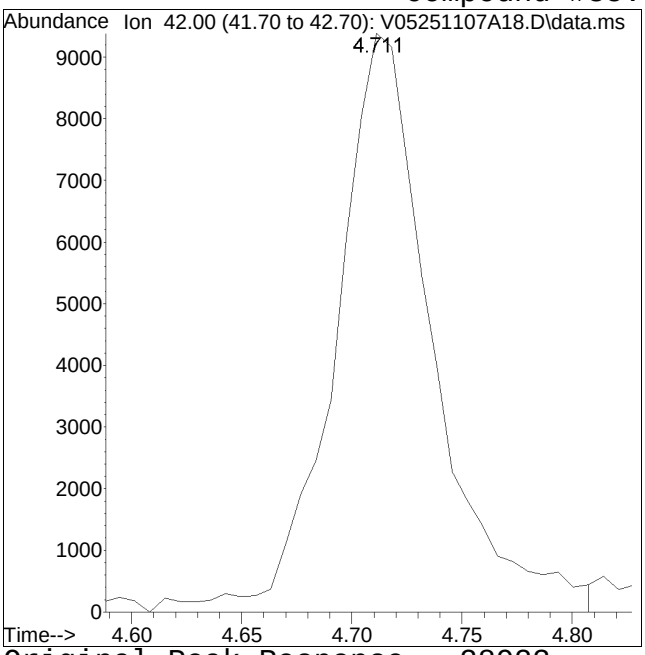
Manual Peak Response = 175562 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

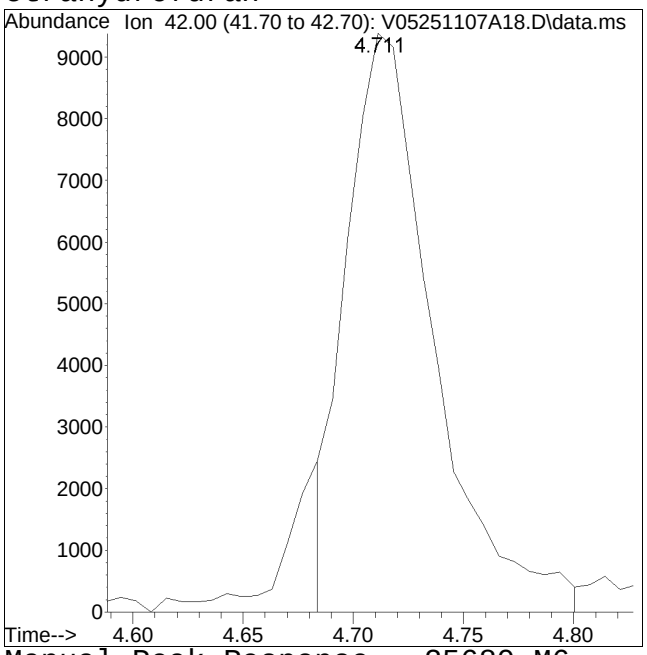
Manual Integration Report

Data Path : K:\VOA105\2025\251107AICALQMethod : V105_251107A_8260.m
Data File : V05251107A18.D Operator : VOA105:PID
Date Inj'd : 11/7/2025 9:12 pm Instrument : VOA105
Sample : C8260STD10PPB Quant Date : 11/10/2025 12:00 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 28923



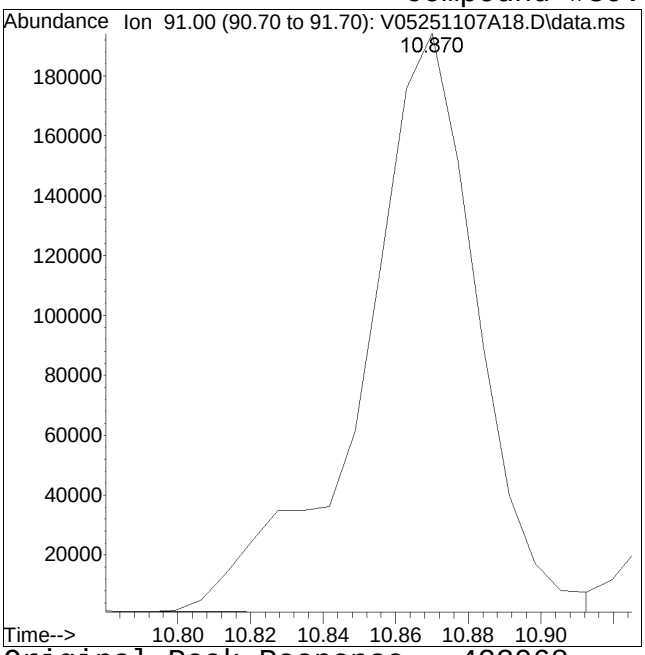
Manual Peak Response = 25680 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

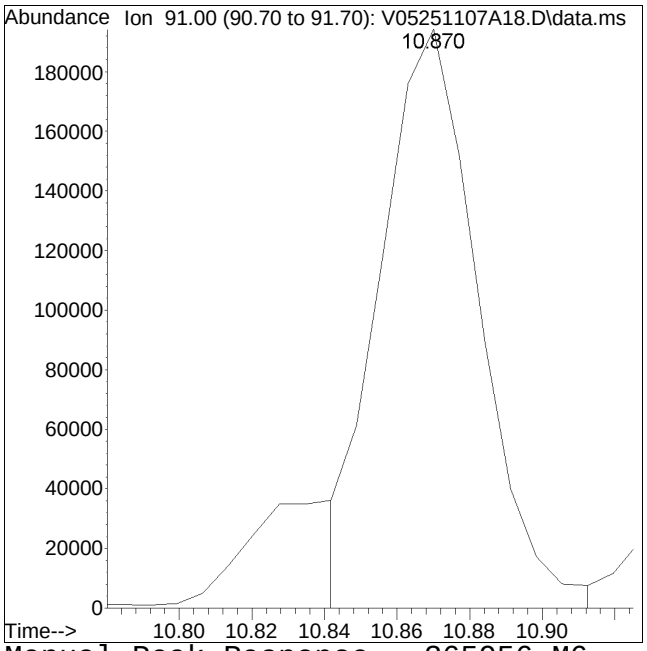
Manual Integration Report

Data Path : K:\VOA105\2025\251107AICALQMethod : V105_251107A_8260.m
Data File : V05251107A18.D Operator : VOA105:PID
Date Inj'd : 11/7/2025 9:12 pm Instrument : VOA105
Sample : C8260STD10PPB Quant Date : 11/10/2025 12:00 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 423068



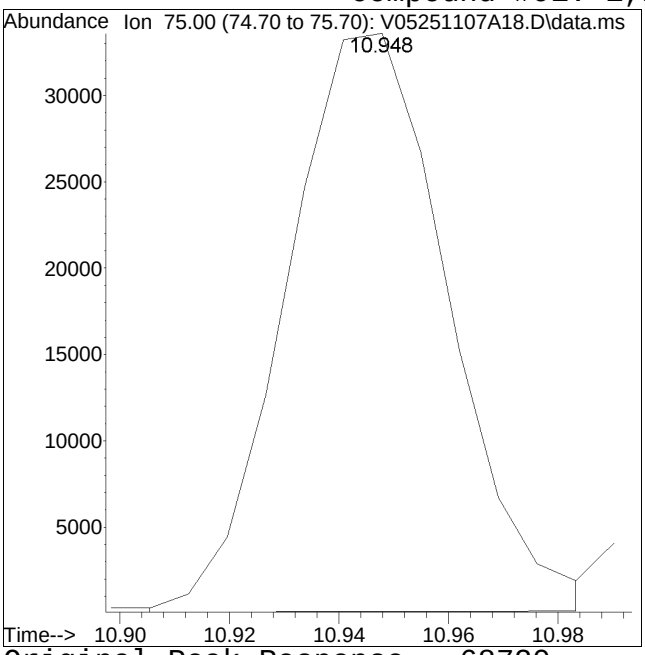
Manual Peak Response = 365956 M6

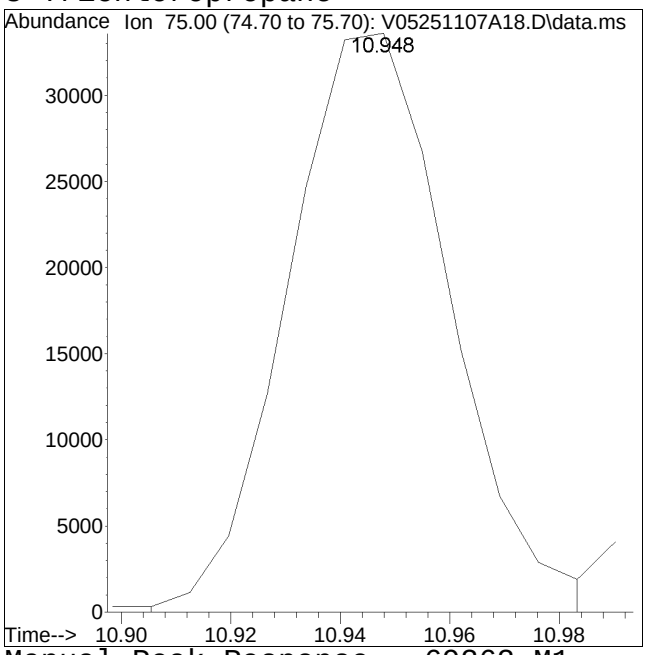
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\VOA105\2025\251107AICALQMethod : V105_251107A_8260.m
Data File : V05251107A18.D Operator : VOA105:PID
Date Inj'd : 11/7/2025 9:12 pm Instrument : VOA105
Sample : C8260STD10PPB Quant Date : 11/10/2025 12:00 pm

Compound #91: 1,2,3-Trichloropropane





Original Peak Response = 68720 Manual Peak Response = 69262 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Relative Error Report VOA105

Method Path : K:\VOA105\2025\251107AICAL\
Method File : V105_251107A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Nov 10 11:59:59 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
5	TP Bromomethane	Q	ug/L	10.0	8.436	-15.6	0.50	0.632	26.4
47	TP Methyl cyclohexane	L	ug/L	10.0	9.420	-5.8	2.00	2.358	17.9
53	TP 2-Chloroethyl vinyl ether	L	ug/L	10.0	8.809	-11.9	2.00	2.550	27.5
58	TP cis-1,3-Dichloropropene	Q	ug/L	10.0	9.540	-4.6	0.19	0.229	20.5
65	TP trans-1,3-Dichloropropene	Q	ug/L	10.0	9.370	-6.3	0.19	0.239	25.8
99	TP p-Isopropyltoluene	L	ug/L	10.0	9.483	-5.2	0.50	0.600	20.0

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
5	TP Bromomethane	Quadratic	0.998394	0.001932	0.132677	-0.00415626
47	TP Methyl cyclohexane	Linear	0.997963	0.000000	0.468676	-0.0621912
53	TP 2-Chloroethyl vinyl ether	Linear	0.994634	0.000000	0.118601	-0.0218116
58	TP cis-1,3-Dichloropropene	Quadratic	0.999836	0.001711	0.388997	-0.00453432
65	TP trans-1,3-Dichloropropene	Quadratic	0.999749	0.001595	0.420448	-0.00583087
99	TP p-Isopropyltoluene	Linear	0.999624	0.000000	2.71177	-0.0885502

Response Factor Report VOA 122

Method Path : K:\VOA122\2025\251114AICAL\
Method File : V122_251114A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sat Nov 15 12:03:11 2025
Response Via : Initial Calibration

Calibration Files
L11 =V22251114A04.D L1 =V22251114A05.D L2 =V22251114A07.D L3 =V22251114A09.D L4 =V22251114A10.D
L6 =V22251114A11.D L8 =V22251114A12.D L10 =V22251114A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------	ISTD	----------							
2)	TP	Dichlorodifluo...		0.107	0.170	0.169	0.193	0.190	0.179	0.180	0.170	17.13
3)	TP	Chloromethane		0.149	0.170	0.172	0.174	0.168	0.159	0.159	0.164	5.48
4)	TP	Vinyl chloride	0.157	0.140	0.200	0.201	0.210	0.201	0.190	0.187	0.186	13.19
5)	TP	Bromomethane		0.135	0.128	0.126	0.129	0.130	0.130	0.134	0.130	2.45
6)	TP	Chloroethane		0.169	0.161	0.143	0.146	0.138	0.124	0.109	0.142	14.66
7)	TP	Trichlorofluor...		0.124	0.185	0.185	0.208	0.203	0.196	0.196	0.185	15.29
8)	TP	Ethyl ether		0.041	0.049	0.052	0.054	0.053	0.054	0.054	0.051	9.15
10)	TP	1,1-Dichloroet...		0.078	0.110	0.114	0.121	0.120	0.116	0.118	0.111	13.61
11)	TP	Carbon disulfide		0.279	0.387	0.388	0.402	0.397	0.385	0.393	0.376	11.51
12)	TP	Freon-113		0.074	0.103	0.102	0.118	0.117	0.113	0.121	0.107	15.17
13)	TP	Iodomethane		0.098	0.143	0.173	0.185	0.184	0.178	0.175	0.162	19.57
14)	TP	Acrolein			0.011	0.010	0.010	0.010	0.010	0.010	0.010#	5.64
15)	TP	Methylene chlo...		0.128	0.132	0.132	0.131	0.127	0.127	0.126	0.129	1.90
17)	TP	Acetone			0.034	0.020	0.017	0.016	0.017	0.016	*L	0.9994
18)	TP	trans-1,2-Dich...		0.101	0.123	0.127	0.129	0.128	0.129	0.131	0.124	8.26
19)	TP	Methyl acetate			0.051	0.042	0.040	0.040	0.043	0.041	0.043	9.73
21)	TP	Methyl tert-bu...		0.199	0.207	0.228	0.240	0.236	0.244	0.242	0.228	7.95
22)	TP	tert-Butyl alc...			0.004	0.005	0.005	0.005	0.005	0.005	0.005#	5.38
24)	TP	Diisopropyl ether		0.281	0.306	0.308	0.323	0.331	0.327	0.330	0.315	5.74
25)	TP	1,1-Dichloroet...		0.193	0.220	0.227	0.234	0.230	0.227	0.230	0.223#	6.22
26)	TP	Halothane		0.073	0.094	0.093	0.098	0.098	0.096	0.102	0.093	9.96
27)	TP	Acrylonitrile		0.026	0.022	0.023	0.025	0.024	0.025	0.024	0.024	5.54
28)	TP	Ethyl tert-but...		0.243	0.257	0.270	0.286	0.292	0.306	0.303	0.280	8.55
29)	TP	Vinyl acetate			0.154	0.149	0.168	0.165	0.173	0.197	0.168	9.96
30)	TP	cis-1,2-Dichlo...		0.104	0.135	0.135	0.138	0.137	0.135	0.136	0.132#	9.12
31)	TP	2,2-Dichloropr...		0.158	0.176	0.173	0.177	0.177	0.173	0.177	0.173	3.93
32)	TP	Bromochloromet...		0.052	0.061	0.063	0.065	0.063	0.062	0.060	0.061#	6.56
33)	TP	Cyclohexane		0.166	0.204	0.192	0.229	0.238	0.232	0.241	0.215	13.06
34)	TP	Chloroform		0.247	0.231	0.218	0.217	0.218	0.219	0.222	0.225#	4.91
35)	TP	Ethyl acetate			0.056	0.058	0.059	0.059	0.062	0.059	0.059	3.58

Method Path : K:\VOA122\2025\251114AICAL\
Method File : V122_251114A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sat Nov 15 12:03:11 2025
Response Via : Initial Calibration

Calibration Files
L11 =V22251114A04.D L1 =V22251114A05.D L2 =V22251114A07.D L3 =V22251114A09.D L4 =V22251114A10.D
L6 =V22251114A11.D L8 =V22251114A12.D L10 =V22251114A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
36)	TP	Carbon tetrach...	0.120	0.131	0.173	0.179	0.196	0.196	0.191	0.197	0.173	17.73
37)	TP	Tetrahydrofuran			0.021	0.018	0.018	0.017	0.018	0.018	0.018	7.61
38)	S	Dibromofluorom...	0.268	0.266	0.271	0.267	0.260	0.260	0.265	0.266	0.265	1.42
39)	TP	1,1,1-Trichlor...		0.148	0.189	0.197	0.209	0.208	0.204	0.208	0.195	11.20
41)	TP	2-Butanone			0.019	0.022	0.024	0.024	0.025	0.024	0.023	9.21
42)	TP	1,1-Dichloropr...		0.114	0.149	0.161	0.173	0.180	0.176	0.179	0.162	14.64
44)	TP	Benzene	0.296	0.269	0.311	0.310	0.328	0.329	0.319	0.321	0.310	6.44
45)	TP	tert-Amyl meth...		0.217	0.218	0.229	0.243	0.252	0.261	0.256	0.240	7.55
46)	S	1,2-Dichloroet...	0.253	0.256	0.249	0.256	0.253	0.254	0.265	0.266	0.256	2.40
47)	T	1,2-Dichloroet...	0.144	0.122	0.127	0.132	0.135	0.137	0.139	0.137	0.134	5.18
50)	TP	Methyl cyclohe...			0.191	0.187	0.240	0.250	0.246	0.254	0.228	13.34
51)	TP	Trichloroethene	0.136	0.114	0.125	0.131	0.144	0.151	0.148	0.151	0.138#	9.78
53)	TP	Dibromomethane		0.053	0.057	0.061	0.066	0.066	0.067	0.066	0.062	9.04
54)	TP	1,2-Dichloropr...		0.094	0.107	0.126	0.133	0.132	0.132	0.133	0.122#	12.87
56)	TP	2-Chloroethyl ...		0.040	0.045	0.050	0.051	0.051	0.052	0.050	0.049	8.94
57)	TP	Bromodichlorom...		0.108	0.105	0.114	0.120	0.119	0.118	0.116	0.114#	5.08
60)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	10.08
61)	TP	cis-1,3-Dichlo...	0.135	0.151	0.160	0.174	0.194	0.196	0.198	0.198	0.176#	14.05
62)	I	Chlorobenzene-d5	----------ISTD----------									
63)	S	Toluene-d8	1.302	1.303	1.309	1.304	1.283	1.291	1.274	1.273	1.292	1.10
64)	TP	Toluene		0.314	0.384	0.397	0.419	0.422	0.415	0.422	0.396	9.87
65)	TP	4-Methyl-2-pen...			0.024	0.028	0.029	0.031	0.031	0.029	0.029#	9.26
66)	TP	Tetrachloroethene	0.119	0.119	0.169	0.174	0.188	0.192	0.189	0.193	0.168	18.56
68)	TP	trans-1,3-Dich...	0.148	0.150	0.156	0.178	0.199	0.206	0.207	0.204	0.181#	14.52
70)	TP	Ethyl methacry...		0.126	0.118	0.126	0.133	0.133	0.135	0.129	0.128	4.57
71)	TP	1,1,2-Trichlor...		0.092	0.077	0.086	0.093	0.096	0.097	0.095	0.091#	7.84
72)	TP	Chlorodibromom...		0.113	0.123	0.137	0.151	0.156	0.157	0.156	0.142#	12.55
73)	TP	1,3-Dichloropr...		0.151	0.164	0.177	0.192	0.193	0.194	0.189	0.180	9.29
74)	TP	1,2-Dibromoethane		0.088	0.101	0.106	0.114	0.115	0.117	0.113	0.108#	9.59
76)	TP	2-Hexanone			0.051	0.053	0.050	0.054	0.054	0.049	0.052	4.45
77)	TP	Chlorobenzene		0.392	0.444	0.452	0.471	0.472	0.458	0.462	0.450	6.09

Method Path : K:\VOA122\2025\251114AICAL\
Method File : V122_251114A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sat Nov 15 12:03:11 2025
Response Via : Initial Calibration

Calibration Files
L11 =V22251114A04.D L1 =V22251114A05.D L2 =V22251114A07.D L3 =V22251114A09.D L4 =V22251114A10.D
L6 =V22251114A11.D L8 =V22251114A12.D L10 =V22251114A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
78)	TP	Ethylbenzene		0.675	0.786	0.817	0.853	0.860	0.828	0.833	0.807	7.85
79)	TP	1,1,1,2-Tetrac...		0.120	0.143	0.150	0.164	0.168	0.166	0.166	0.154	11.51
80)	TP	p/m Xylene		0.251	0.321	0.330	0.346	0.353	0.341	0.350	0.327	10.86
81)	TP	o Xylene		0.261	0.302	0.314	0.332	0.340	0.328	0.335	0.316	8.70
82)	TP	Styrene		0.428	0.484	0.514	0.547	0.557	0.538	0.542	0.516	8.91
83)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
84)	TP	Bromoform		0.135	0.126	0.138	0.155	0.169	0.172	0.177	0.153	13.22
86)	TP	Isopropylbenzene		1.175	1.502	1.530	1.633	1.657	1.606	1.612	1.531	10.88
87)	S	4-Bromofluorob...	0.898	0.891	0.886	0.882	0.882	0.862	0.852	0.851	0.875	2.07
88)	TP	Bromobenzene		0.289	0.314	0.329	0.350	0.354	0.349	0.353	0.334	7.48
89)	TP	n-Propylbenzene		1.432	1.772	1.819	1.959	1.997	1.920	1.921	1.831	10.53
90)	TP	1,4-Dichlorobu...		0.379	0.321	0.320	0.341	0.352	0.356	0.355	0.346	6.10
91)	TP	1,1,2,2-Tetrac...	0.241	0.215	0.210	0.216	0.234	0.236	0.234	0.233	0.227	5.19
92)	TP	4-Ethyltoluene		1.209	1.463	1.514	1.624	1.631	1.570	1.563	1.511	9.64
93)	TP	2-Chlorotoluene		0.926	1.045	1.050	1.106	1.124	1.019	1.044	1.045	6.16
94)	TP	1,3,5-Trimethy...		1.038	1.240	1.280	1.371	1.393	1.340	1.347	1.287	9.45
95)	TP	1,2,3-Trichlor...		0.164	0.164	0.179	0.185	0.190	0.194	0.186	0.180	6.62
96)	TP	trans-1,4-Dich...		0.067	0.058	0.060	0.064	0.067	0.068	0.065	0.064	5.71
97)	TP	4-Chlorotoluene		0.947	1.067	1.086	1.148	1.158	1.116	1.119	1.091	6.53
98)	TP	tert-Butylbenzene		0.871	1.054	1.084	1.184	1.206	1.161	1.168	1.104	10.54
101)	TP	1,2,4-Trimethy...		1.027	1.190	1.236	1.331	1.343	1.305	1.301	1.248	8.91
102)	TP	sec-Butylbenzene		0.745	0.873	0.918	0.982	0.959	0.905	0.899	0.897	8.55
103)	TP	p-Isopropyltol...		0.991	1.284	1.362	1.484	1.508	1.434	1.414	1.354	13.05
104)	TP	1,3-Dichlorobe...		0.590	0.670	0.696	0.733	0.736	0.716	0.712	0.693	7.34
105)	TP	1,4-Dichlorobe...		0.605	0.660	0.678	0.714	0.723	0.703	0.703	0.684	5.94
106)	TP	p-Diethylbenzene		0.572	0.728	0.771	0.845	0.872	0.844	0.846	0.783	13.52
107)	TP	n-Butylbenzene		0.925	1.105	1.156	1.279	1.296	1.236	1.228	1.175	10.98
108)	TP	1,2-Dichlorobe...		0.522	0.579	0.594	0.634	0.640	0.627	0.618	0.602	6.90
109)	TP	1,2,4,5-Tetram...		0.835	0.975	1.037	1.123	1.150	1.122	1.134	1.054	10.93
110)	TP	1,2-Dibromo-3-...		0.022	0.031	0.035	0.037	0.038	0.039	0.037	0.034	17.07
111)	TP	1,3,5-Trichlor...		0.340	0.380	0.387	0.416	0.419	0.412	0.417	0.396	7.39

Method Path : K:\VOA122\2025\251114AICAL\
Method File : V122_251114A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sat Nov 15 12:03:11 2025
Response Via : Initial Calibration

Calibration Files
L11 =V22251114A04.D L1 =V22251114A05.D L2 =V22251114A07.D L3 =V22251114A09.D L4 =V22251114A10.D
L6 =V22251114A11.D L8 =V22251114A12.D L10 =V22251114A13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
112)	TP Hexachlorobuta...	0.108	0.123	0.123	0.145	0.150	0.147	0.155	0.136	13.00	
113)	TP 1,2,4-Trichlor...	0.280	0.305	0.312	0.342	0.347	0.350	0.347	0.326#	8.31	
114)	TP Naphthalene	0.662	0.654	0.701	0.742	0.727	0.734	0.708	0.704	4.91	
115)	TP 1,2,3-Trichlor...	0.238	0.245	0.260	0.281	0.282	0.286	0.279	0.267#	7.35	

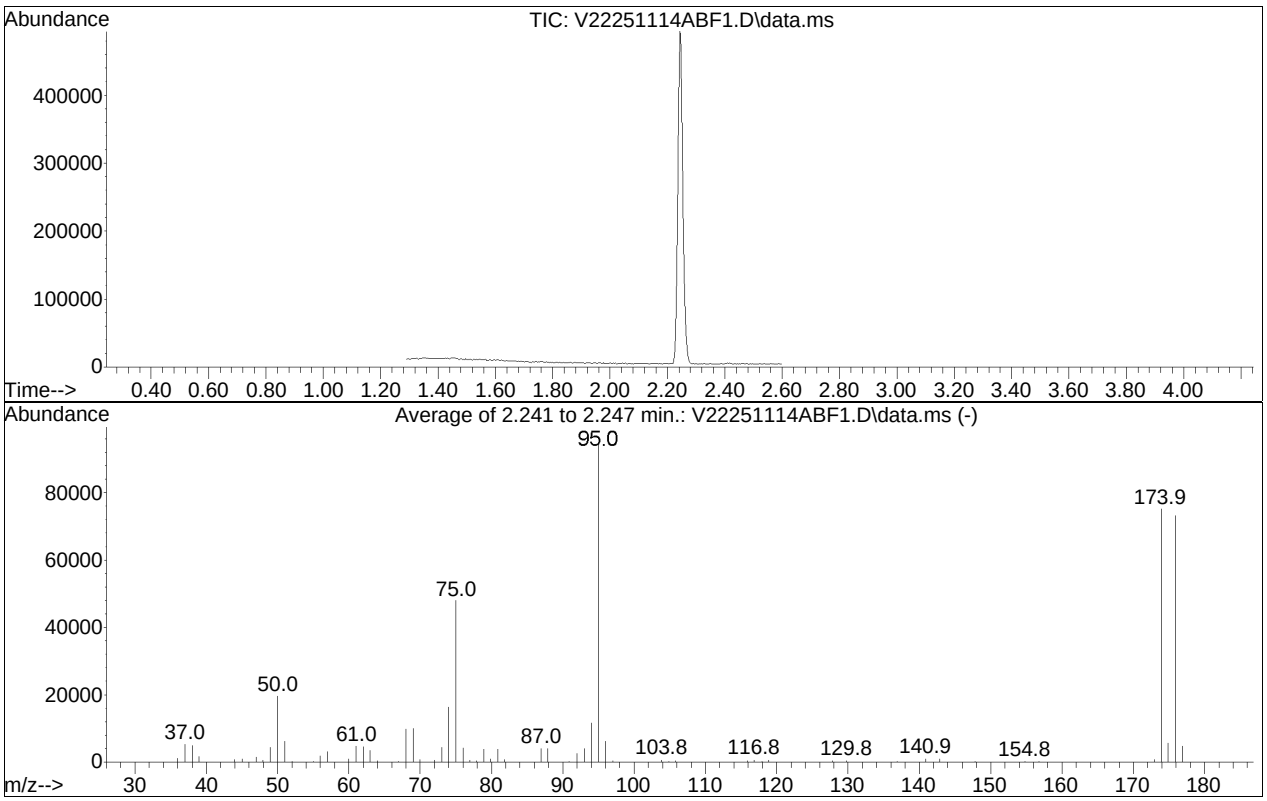
(#) = Out of Range

BFB

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114ABF1.D
Acq On : 14 Nov 2025 05:21 pm
Operator : VOA122:PID
Sample : WG2142111-1
Misc : WG2142111
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sat Nov 15 12:03:11 2025



AutoFind: Scans 342, 343, 344; Background Corrected with Scan 331

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.6	19552	PASS
75	95	30	60	50.6	47963	PASS
95	95	100	100	100.0	94853	PASS
96	95	5	9	6.5	6208	PASS
173	174	0.00	2	1.2	886	PASS
174	95	50	100	79.3	75200	PASS
175	174	5	9	7.7	5764	PASS
176	174	95	101	97.4	73219	PASS
177	176	5	9	6.5	4745	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A04.D
Acq On : 14 Nov 2025 06:51 pm
Operator : VOA122:PID
Sample : I8260STD0.19PPB
Misc : WG2142111,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 15 12:01:03 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:59:57 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251114AICAL\V22251114A09.D
Sub List : 8260-L11_NJnew - L11 new NJ

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.710	96	423736	10.000	ug/L	0.00
Standard Area 1 = 432596			Recovery = 97.95%			
62) Chlorobenzene-d5	9.225	117	339833	10.000	ug/L	0.00
Standard Area 1 = 345288			Recovery = 98.42%			
83) 1,4-Dichlorobenzene-d4	11.993	152	184582	10.000	ug/L	0.00
Standard Area 1 = 189494			Recovery = 97.41%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.912	113	113758	10.128	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.28%			
46) 1,2-Dichloroethane-d4	5.423	65	107162	9.839	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.39%			
63) Toluene-d8	7.395	98	442485	10.080	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.80%			
87) 4-Bromofluorobenzene	10.754	95	165753	10.270	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.70%			
Target Compounds						Qvalue
4) Vinyl chloride	1.758	62	1268	0.159	ug/L #	48
36) Carbon tetrachloride	4.872	117	967	0.128	ug/L #	36
44) Benzene	5.296	78	2385	0.181	ug/L #	80
47) 1,2-Dichloroethane	5.493	62	1163	0.209	ug/L #	85
51) Trichloroethene	5.884	95	1098	0.188	ug/L #	69
61) cis-1,3-Dichloropropene	7.180	75	1086	0.146	ug/L #	35
66) Tetrachloroethene	7.896	166	771	0.136	ug/L	98
68) trans-1,3-Dichloropropene	7.930	75	957	0.155	ug/L #	54
91) 1,1,2,2-Tetrachloroethane	11.006	83	845	0.208	ug/L #	86

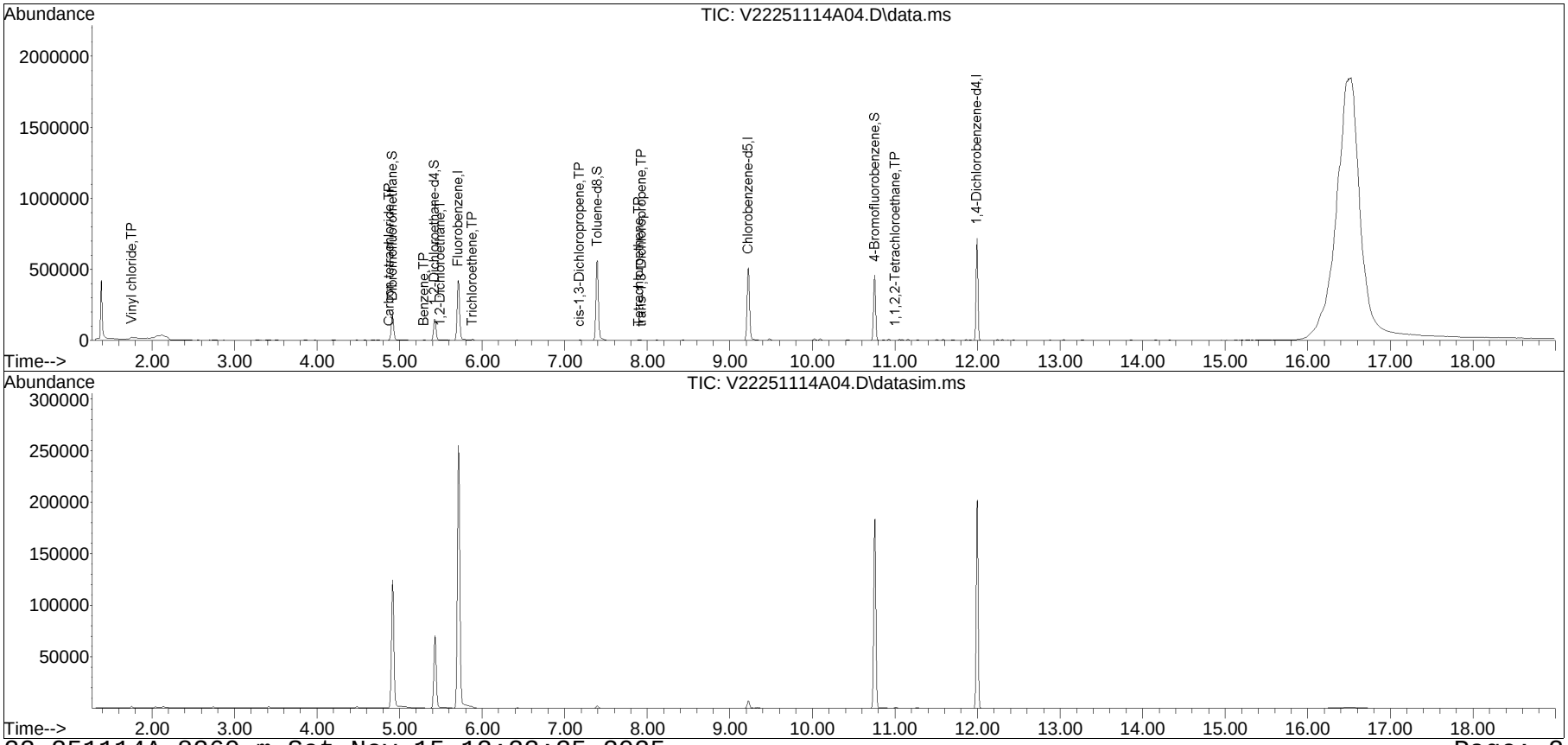
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A04.D
Acq On : 14 Nov 2025 06:51 pm
Operator : VOA122:PID
Sample : I8260STD0.19PPB
Misc : WG2142111,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 15 12:01:03 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:59:57 2025
Response via : Initial Calibration

Sub List : 8260-L11_NJnew - L11 new NJCAL\V22251114A09.D•



Manual Integration Report

Data Path	: K:\VOA122\2025\251114AICALQ	Method	: V122_251114A_8260.m
Data File	: V22251114A04.D	Operator	: VOA122:PID
Date Inj'd	: 11/14/2025 6:51 pm	Instrument	: VOA 122
Sample	: I8260STD0.19PPB	Quant Date	: 11/15/2025 12:00 pm

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A05.D
Acq On : 14 Nov 2025 07:16 pm
Operator : VOA122:PID
Sample : I8260STD0.5PPB
Misc : WG2142111,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 15 11:52:57 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:49:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251114AICAL\V22251114A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.710	96	435628	10.000 ug/L	0.00
Standard Area 1 = 432596			Recovery = 100.70%		
62) Chlorobenzene-d5	9.225	117	350934	10.000 ug/L	0.00
Standard Area 1 = 345288			Recovery = 101.64%		
83) 1,4-Dichlorobenzene-d4	11.993	152	190755	10.000 ug/L	0.00
Standard Area 1 = 189494			Recovery = 100.67%		
System Monitoring Compounds					
38) Dibromofluoromethane	4.912	113	115724	9.966 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.66%		
46) 1,2-Dichloroethane-d4	5.424	65	111310	9.995 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.95%		
63) Toluene-d8	7.395	98	457370	9.996 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.96%		
87) 4-Bromofluorobenzene	10.754	95	169961	10.104 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.04%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.515	85	2335M6	0.317 ug/L	
3) Chloromethane	1.687	50	3239	0.433 ug/L	95
4) Vinyl chloride	1.758	62	3043M6	0.347 ug/L	
5) Bromomethane	2.040	94	2951M6	0.536 ug/L	
6) Chloroethane	2.142	64	3689M6	0.591 ug/L	
7) Trichlorofluoromethane	2.276	101	2701	0.334 ug/L	98
8) Ethyl ether	2.558	74	897	0.398 ug/L #	82
10) 1,1-Dichloroethene	2.739	96	1694	0.340 ug/L	98
11) Carbon disulfide	2.770	76	6067	0.359 ug/L	99
12) Freon-113	2.778	101	1614	0.362 ug/L	91
13) Iodomethane	2.872	142	2135	0.284 ug/L	96
14) Acrolein	0.000		0	N.D. d	
15) Methylene chloride	3.272	84	2781	0.485 ug/L	96
17) Acetone	3.303	43	1232M6	1.402 ug/L	
18) trans-1,2-Dichloroethene	3.413	96	2206	0.400 ug/L	89
19) Methyl acetate	3.421	43	2412	1.324 ug/L #	76
21) Methyl tert-butyl ether	3.507	73	4324	0.434 ug/L #	64
22) tert-Butyl alcohol	0.000		0	N.D. d	
24) Diisopropyl ether	3.860	45	6130	0.456 ug/L #	81
25) 1,1-Dichloroethane	3.978	63	4205	0.425 ug/L	99
26) Halothane	4.025	117	1596	0.392 ug/L	86

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A05.D
Acq On : 14 Nov 2025 07:16 pm
Operator : VOA122:PID
Sample : I8260STD0.5PPB
Misc : WG2142111,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 15 11:52:57 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:49:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251114AICAL\V22251114A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.010	53	574	0.565	ug/L	#	85
28) Ethyl tert-butyl ether	4.198	59	5282	0.449	ug/L	#	77
29) Vinyl acetate	0.000		0	N.D.	d		
30) cis-1,2-Dichloroethene	4.480	96	2276	0.387	ug/L		93
31) 2,2-Dichloropropane	4.582	77	3449	0.457	ug/L		88
32) Bromochloromethane	4.669	128	1141	0.418	ug/L		89
33) Cyclohexane	4.684	56	3623M6	0.434	ug/L		
34) Chloroform	4.739	83	5383	0.567	ug/L		92
35) Ethyl acetate	0.000		0	N.D.	d		
36) Carbon tetrachloride	4.880	117	2849	0.365	ug/L	#	86
37) Tetrahydrofuran	0.000		0	N.D.	d		
39) 1,1,1-Trichloroethane	4.943	97	3224	0.375	ug/L		96
41) 2-Butanone	0.000		0	N.D.	d		
42) 1,1-Dichloropropene	5.061	75	2491	0.356	ug/L		95
44) Benzene	5.296	78	5852	0.434	ug/L	#	83
45) tert-Amyl methyl ether	5.410	73	4736	0.474	ug/L		92
47) 1,2-Dichloroethane	5.493	62	2666	0.463	ug/L		93
50) Methyl cyclohexane	5.884	83	2946	0.361	ug/L		92
51) Trichloroethene	5.891	95	2486	0.435	ug/L		86
53) Dibromomethane	6.317	93	1145	0.432	ug/L		92
54) 1,2-Dichloropropane	6.429	63	2042	0.372	ug/L		96
56) 2-Chloroethyl vinyl ether	7.131	63	881	0.407	ug/L	#	38
57) Bromodichloromethane	6.492	83	2355	0.473	ug/L	#	93
60) 1,4-Dioxane	6.700	88	2822	91.324	ug/L	#	85
61) cis-1,3-Dichloropropene	7.180	75	3291	0.434	ug/L	#	77
64) Toluene	7.451	92	5505	0.395	ug/L		89
65) 4-Methyl-2-pentanone	0.000		0	N.D.	d		
66) Tetrachloroethene	7.896	166	2093	0.342	ug/L		97
68) trans-1,3-Dichloropropene	7.930	75	2625	0.421	ug/L		85
70) Ethyl methacrylate	8.132	69	2204	0.500	ug/L		83
71) 1,1,2-Trichloroethane	8.111	83	1606	0.534	ug/L	#	81
72) Chlorodibromomethane	8.326	129	1990	0.414	ug/L		90
73) 1,3-Dichloropropane	8.431	76	2650	0.428	ug/L		93
74) 1,2-Dibromoethane	8.591	107	1551	0.418	ug/L		99
76) 2-Hexanone	0.000		0	N.D.	d		
77) Chlorobenzene	9.246	112	6884	0.434	ug/L	#	56
78) Ethylbenzene	9.295	91	11843	0.413	ug/L		98
79) 1,1,1,2-Tetrachloroethane	9.330	131	2104	0.401	ug/L	#	62
80) p/m Xylene	9.484	106	8805	0.761	ug/L		90
81) o Xylene	10.024	106	9161	0.832	ug/L		99

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A05.D
Acq On : 14 Nov 2025 07:16 pm
Operator : VOA122:PID
Sample : I8260STD0.5PPB
Misc : WG2142111,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 15 11:52:57 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:49:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251114AICAL\V22251114A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Styrene	10.095	104	15003	0.831	ug/L		100
84) Bromoform	10.102	173	1291	0.490	ug/L		75
86) Isopropylbenzene	10.431	105	11203	0.384	ug/L		96
88) Bromobenzene	10.866	156	2752	0.438	ug/L		98
89) n-Propylbenzene	10.922	91	13656	0.394	ug/L		99
90) 1,4-Dichlorobutane	10.929	55	3619	0.593	ug/L	#	87
91) 1,1,2,2-Tetrachloroethane	11.006	83	2054	0.499	ug/L	#	95
92) 4-Ethyltoluene	11.055	105	11527	0.399	ug/L		99
93) 2-Chlorotoluene	11.090	91	8828M6	0.441	ug/L		
94) 1,3,5-Trimethylbenzene	11.153	105	9903	0.406	ug/L		99
95) 1,2,3-Trichloropropane	11.139	75	1560	0.458	ug/L		98
96) trans-1,4-Dichloro-2-b...	11.203	53	637	0.553	ug/L	#	80
97) 4-Chlorotoluene	11.280	91	9030	0.436	ug/L		95
98) tert-Butylbenzene	11.504	119	8311	0.402	ug/L		98
101) 1,2,4-Trimethylbenzene	11.588	105	9799	0.416	ug/L		92
102) sec-Butylbenzene	11.693	105	7104	0.405	ug/L		98
103) p-Isopropyltoluene	11.861	119	9456	0.364	ug/L		95
104) 1,3-Dichlorobenzene	11.916	146	5623	0.423	ug/L		100
105) 1,4-Dichlorobenzene	12.007	146	5774M3	0.446	ug/L		
106) p-Diethylbenzene	12.243	119	5460	0.371	ug/L		94
107) n-Butylbenzene	12.299	91	8820	0.400	ug/L		97
108) 1,2-Dichlorobenzene	12.438	146	4978	0.439	ug/L		99
109) 1,2,4,5-Tetramethylben...	13.044	119	7962	0.403	ug/L		95
110) 1,2-Dibromo-3-chloropr...	13.225	155	213	0.320	ug/L	#	59
111) 1,3,5-Trichlorobenzene	13.260	180	3242	0.440	ug/L		93
112) Hexachlorobutadiene	13.851	225	1030	0.440	ug/L		87
113) 1,2,4-Trichlorobenzene	13.865	180	2672	0.449	ug/L		97
114) Naphthalene	14.158	128	6310	0.472	ug/L		100
115) 1,2,3-Trichlorobenzene	14.325	180	2268	0.457	ug/L		98

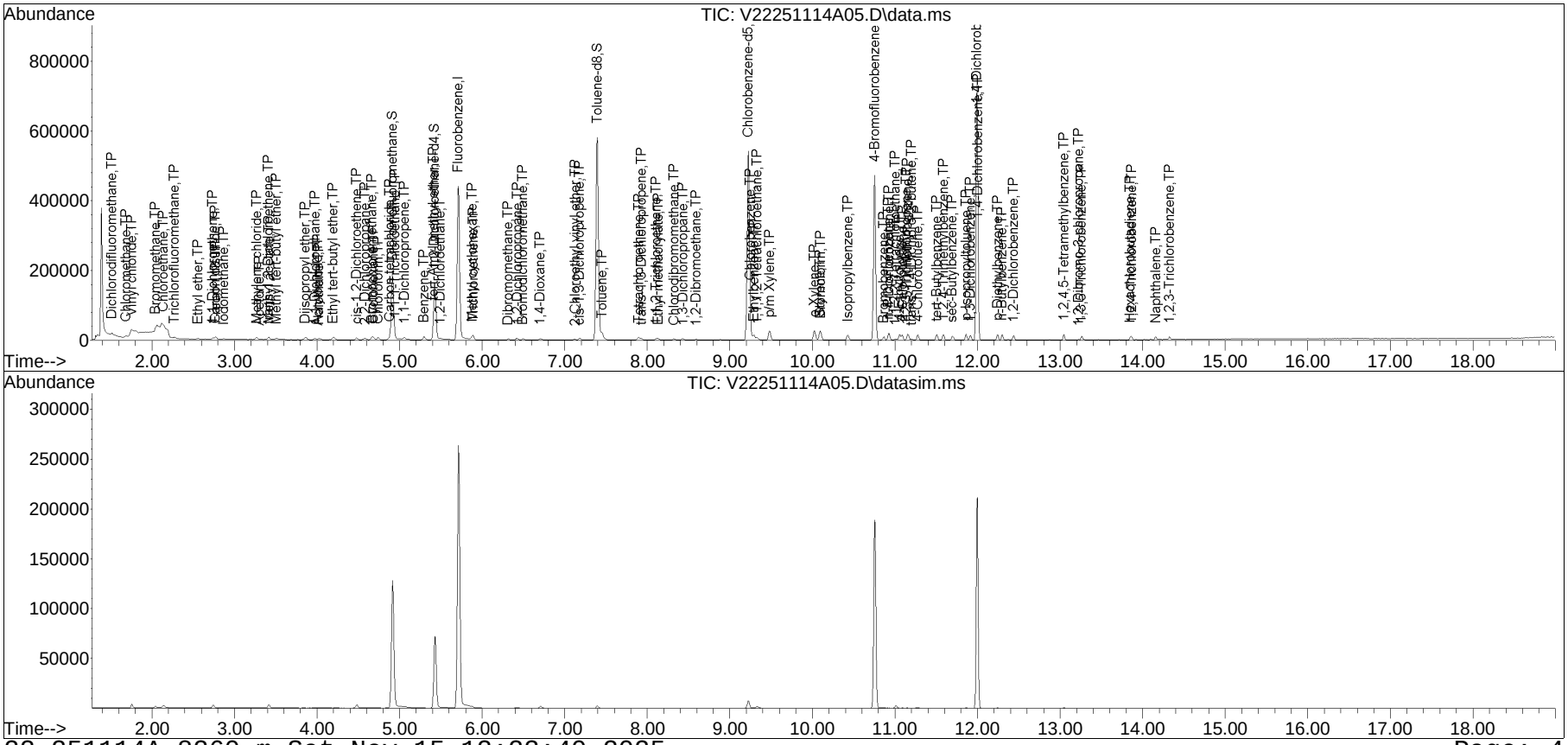
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A05.D
Acq On : 14 Nov 2025 07:16 pm
Operator : VOA122:PID
Sample : I8260STD0.5PPB
Misc : WG2142111,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 15 11:52:57 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:49:06 2025
Response via : Initial Calibration

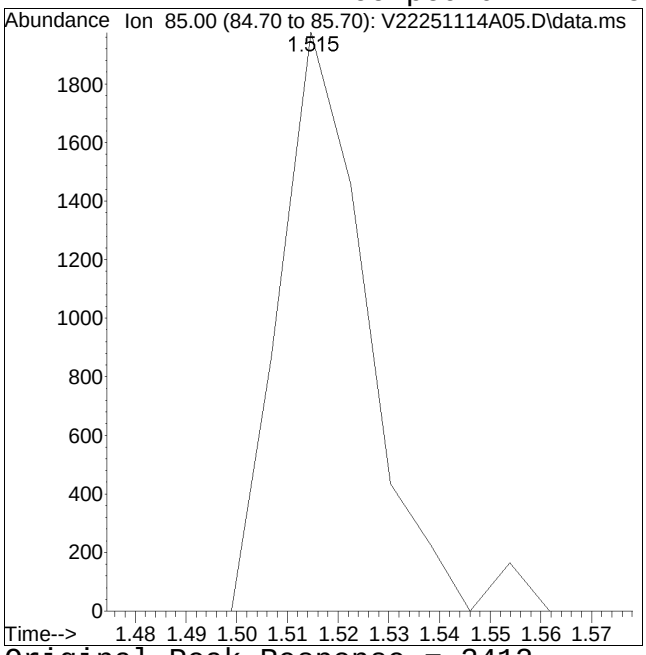
Sub List : 8260-Curve - Megamix plus Diox\V22251114A09.D•



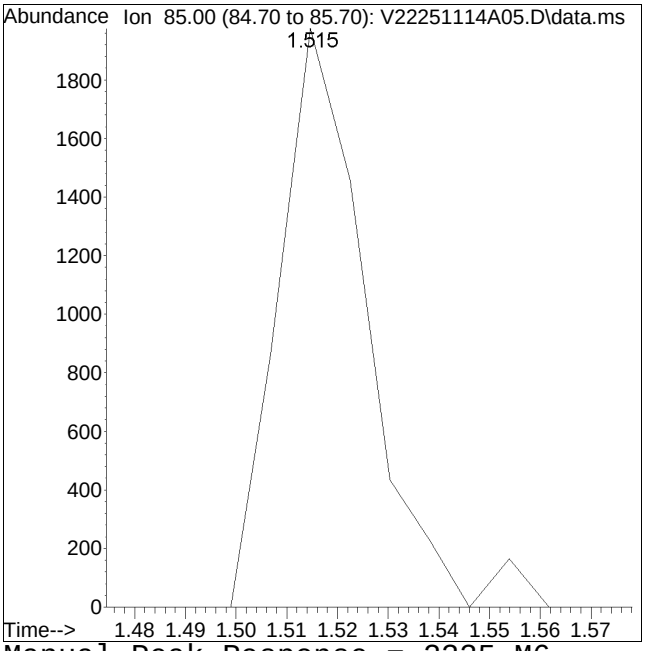
Manual Integration Report

Data Path : K:\VOA122\2025\251114AICALQMethod : V122_251114A_8260.m
Data File : V22251114A05.D Operator : VOA122:PID
Date Inj'd : 11/14/2025 7:16 pm Instrument : VOA 122
Sample : I8260STD0.5PPB Quant Date : 11/15/2025 11:49 am

Compound #2: Dichlorodifluoromethane



Original Peak Response = 2412



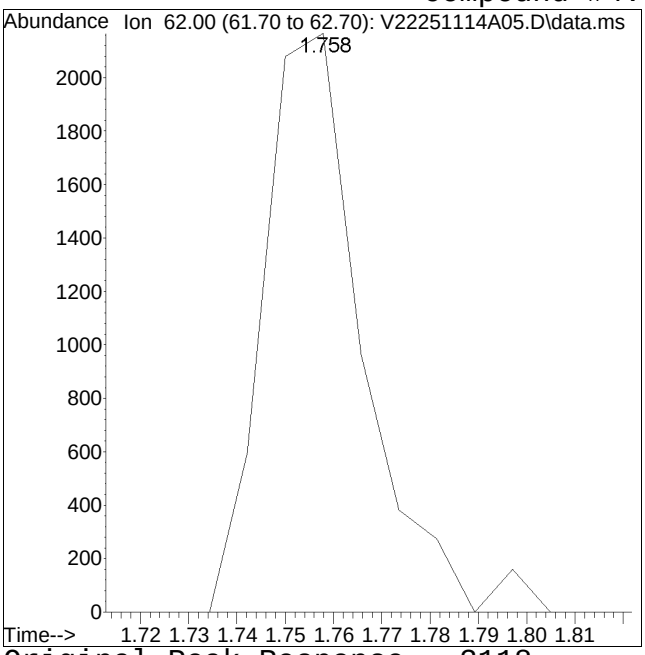
Manual Peak Response = 2335 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

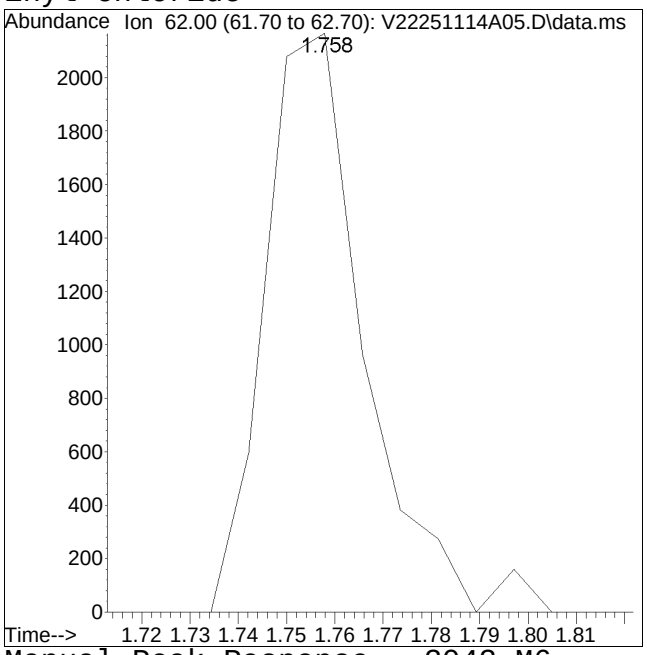
Manual Integration Report

Data Path : K:\VOA122\2025\251114AICALQMethod : V122_251114A_8260.m
Data File : V22251114A05.D Operator : VOA122:PID
Date Inj'd : 11/14/2025 7:16 pm Instrument : VOA 122
Sample : I8260STD0.5PPB Quant Date : 11/15/2025 11:49 am

Compound #4: Vinyl chloride



Original Peak Response = 3118



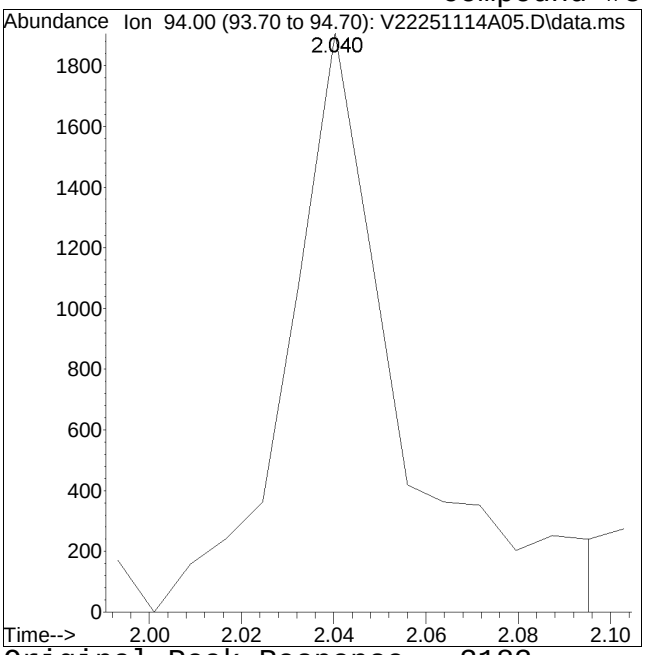
Manual Peak Response = 3043 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

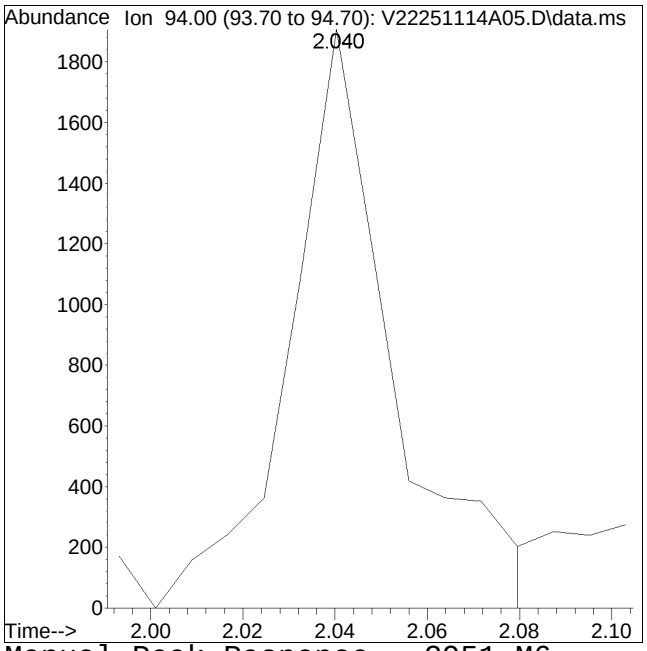
Manual Integration Report

Data Path : K:\VOA122\2025\251114AICALQMethod : V122_251114A_8260.m
Data File : V22251114A05.D Operator : VOA122:PID
Date Inj'd : 11/14/2025 7:16 pm Instrument : VOA 122
Sample : I8260STD0.5PPB Quant Date : 11/15/2025 11:49 am

Compound #5: Bromomethane



Original Peak Response = 3183



Manual Peak Response = 2951 M6

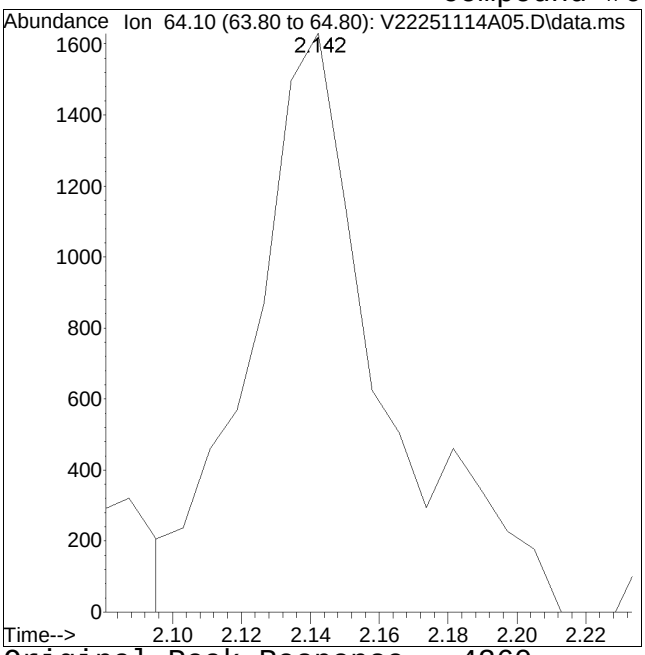
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

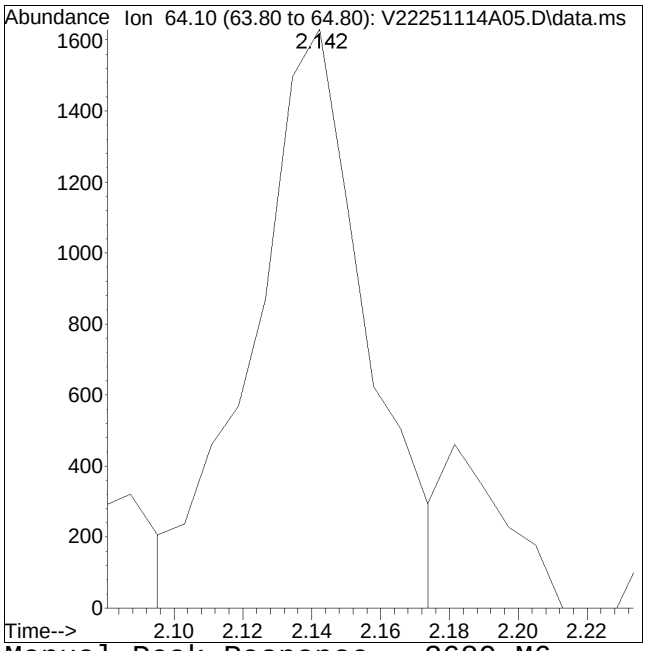
Data Path : K:\VOA122\2025\251114AICALQ
Data File : V22251114A05.D
Date Inj'd : 11/14/2025 7:16 pm
Sample : I8260STD0.5PPB

Method : V122_251114A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 11/15/2025 11:49 am

Compound #6: Chloroethane



Original Peak Response = 4260



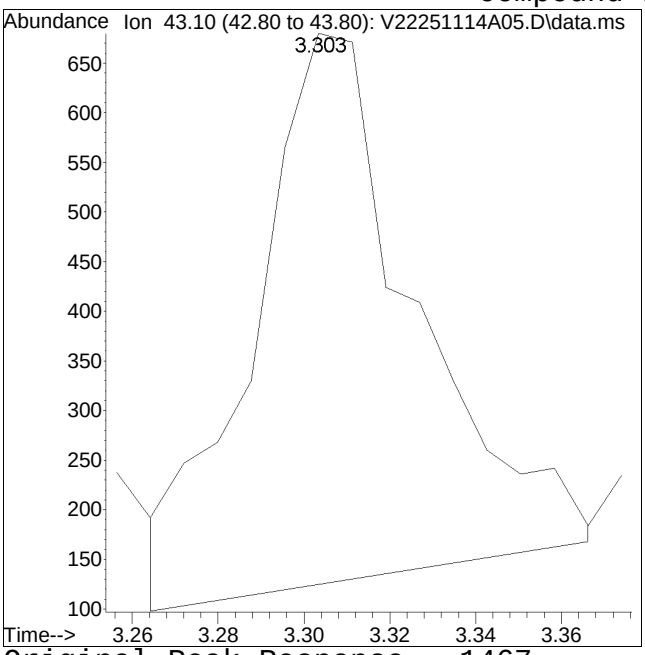
Manual Peak Response = 3689 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

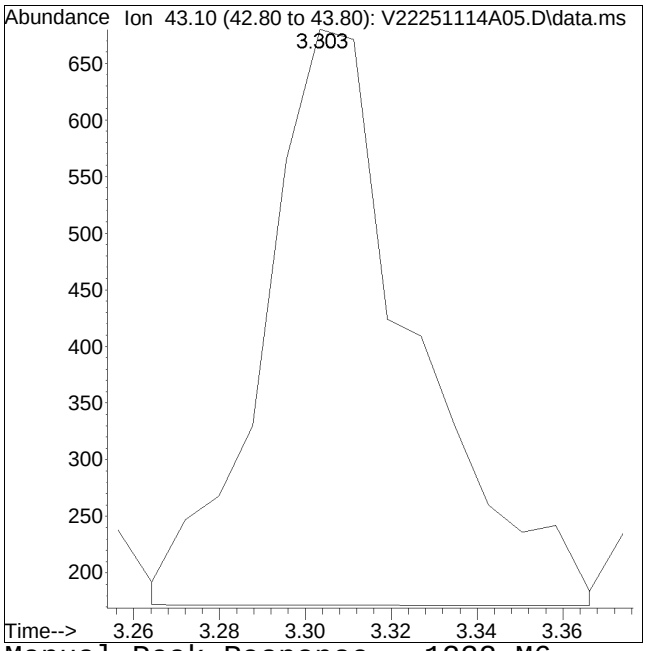
Manual Integration Report

Data Path : K:\VOA122\2025\251114AICALQMethod : V122_251114A_8260.m
Data File : V22251114A05.D Operator : VOA122:PID
Date Inj'd : 11/14/2025 7:16 pm Instrument : VOA 122
Sample : I8260STD0.5PPB Quant Date : 11/15/2025 11:49 am

Compound #17: Acetone



Original Peak Response = 1467



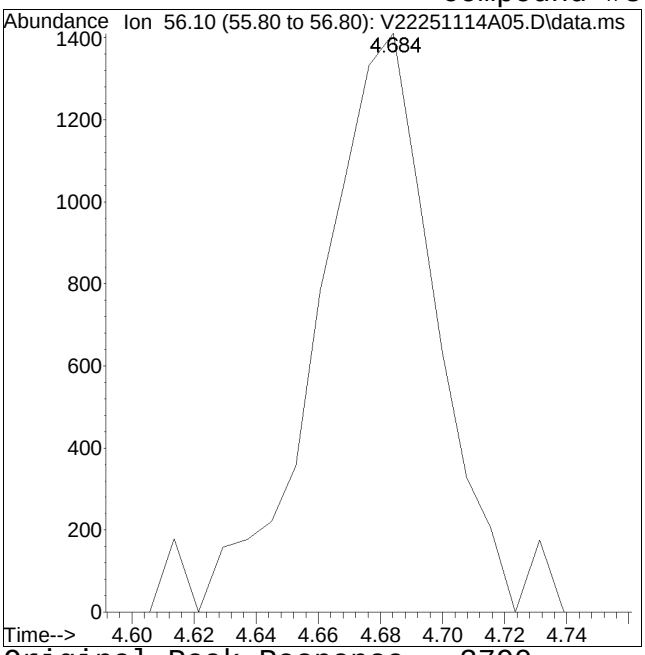
Manual Peak Response = 1232 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

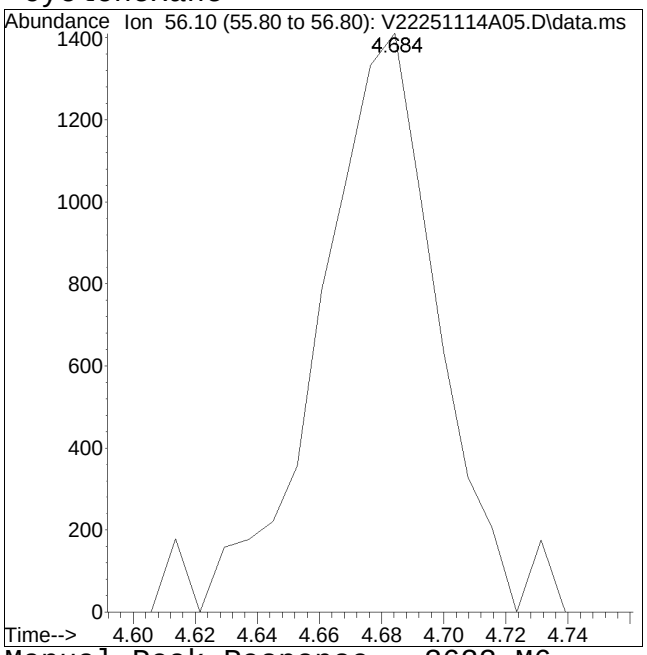
Manual Integration Report

Data Path : K:\VOA122\2025\251114AICALQMethod : V122_251114A_8260.m
Data File : V22251114A05.D Operator : VOA122:PID
Date Inj'd : 11/14/2025 7:16 pm Instrument : VOA 122
Sample : I8260STD0.5PPB Quant Date : 11/15/2025 11:49 am

Compound #33: Cyclohexane



Original Peak Response = 3790



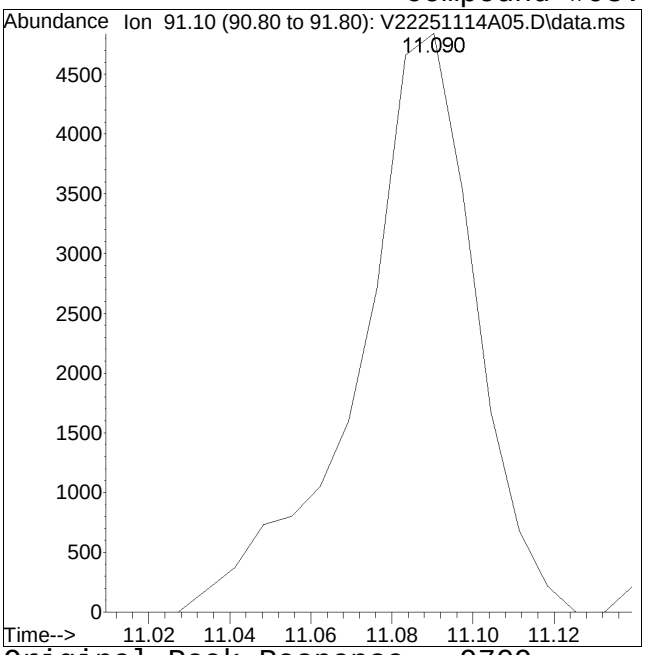
Manual Peak Response = 3623 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

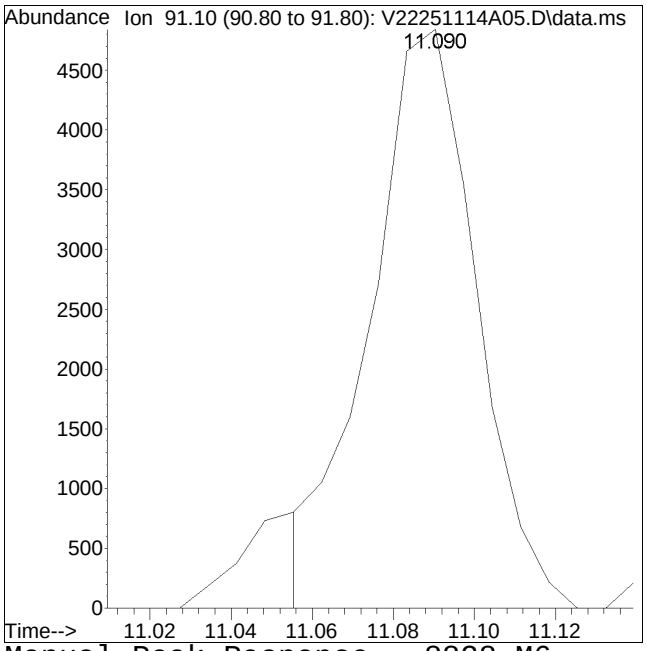
Manual Integration Report

Data Path : K:\VOA122\2025\251114AICALQMethod : V122_251114A_8260.m
Data File : V22251114A05.D Operator : VOA122:PID
Date Inj'd : 11/14/2025 7:16 pm Instrument : VOA 122
Sample : I8260STD0.5PPB Quant Date : 11/15/2025 11:49 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 9709



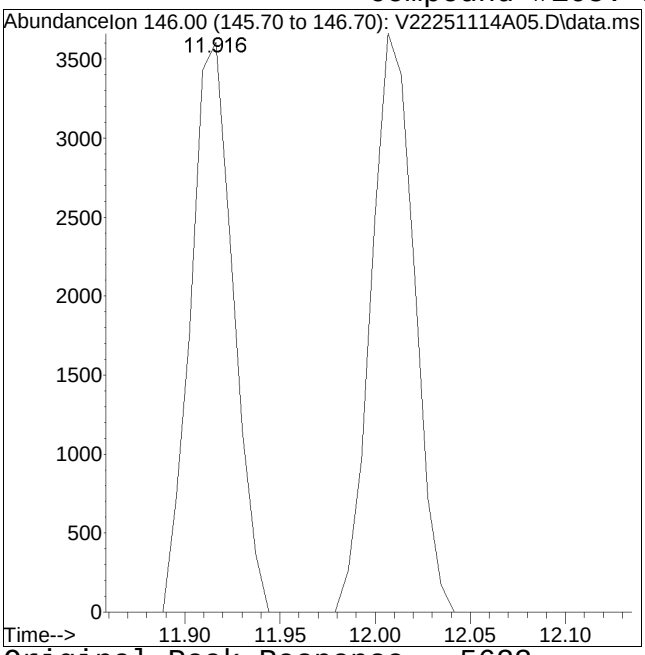
Manual Peak Response = 8828 M6

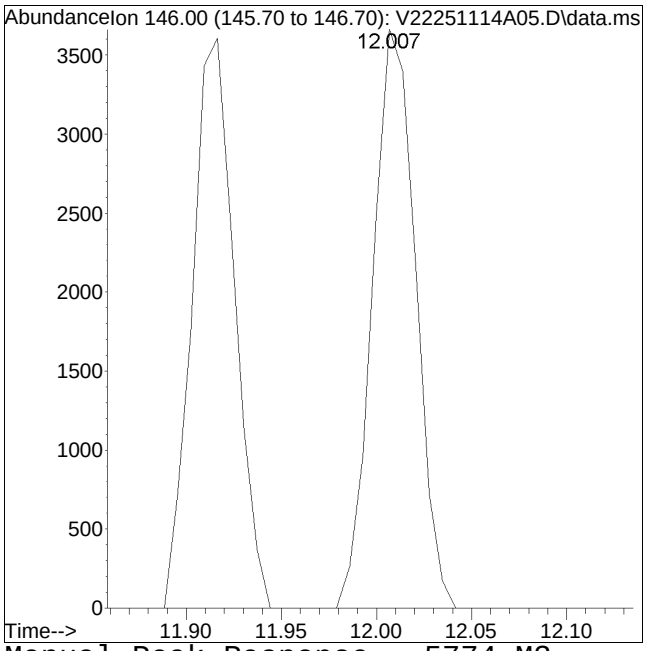
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\VOA122\2025\251114AICALQMethod : V122_251114A_8260.m
Data File : V22251114A05.D Operator : VOA122:PID
Date Inj'd : 11/14/2025 7:16 pm Instrument : VOA 122
Sample : I8260STD0.5PPB Quant Date : 11/15/2025 11:49 am

Compound #105: 1,4-Dichlorobenzene





Original Peak Response = 5623 Manual Peak Response = 5774 M3

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A07.D
Acq On : 14 Nov 2025 08:05 pm
Operator : VOA122:PID
Sample : I8260STD2PPB
Misc : WG2142111,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 11:54:04 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:49:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251114AICAL\V22251114A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.710	96	427141	10.000	ug/L	0.00
Standard Area 1 = 432596			Recovery = 98.74%			
62) Chlorobenzene-d5	9.225	117	346518	10.000	ug/L	0.00
Standard Area 1 = 345288			Recovery = 100.36%			
83) 1,4-Dichlorobenzene-d4	11.993	152	188686	10.000	ug/L	0.00
Standard Area 1 = 189494			Recovery = 99.57%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.912	113	115828	10.173	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.73%			
46) 1,2-Dichloroethane-d4	5.423	65	106291	9.734	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.34%			
63) Toluene-d8	7.395	98	453534	10.038	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.38%			
87) 4-Bromofluorobenzene	10.754	95	167214	10.049	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.49%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.514	85	14526	2.013	ug/L	99
3) Chloromethane	1.687	50	14550	1.984	ug/L	98
4) Vinyl chloride	1.758	62	17066	1.984	ug/L	95
5) Bromomethane	2.040	94	10953	2.031	ug/L	99
6) Chloroethane	2.142	64	13728	2.241	ug/L	98
7) Trichlorofluoromethane	2.275	101	15803	1.995	ug/L	99
8) Ethyl ether	2.558	74	4202	1.903	ug/L #	96
10) 1,1-Dichloroethene	2.738	96	9369	1.920	ug/L	97
11) Carbon disulfide	2.770	76	33035	1.996	ug/L	98
12) Freon-113	2.778	101	8766	2.005	ug/L	97
13) Iodomethane	2.872	142	12174	1.652	ug/L	96
14) Acrolein	3.044	56	947	2.269	ug/L #	36
15) Methylene chloride	3.272	84	11260	2.001	ug/L	97
17) Acetone	3.303	43	2934	3.405	ug/L #	76
18) trans-1,2-Dichloroethene	3.413	96	10543	1.949	ug/L	99
19) Methyl acetate	3.421	43	4342M6	2.430	ug/L	
21) Methyl tert-butyl ether	3.507	73	17669	1.811	ug/L	93
22) tert-Butyl alcohol	3.594	59	1900	9.570	ug/L #	11
24) Diisopropyl ether	3.860	45	26113	1.983	ug/L	98
25) 1,1-Dichloroethane	3.978	63	18818	1.938	ug/L	98
26) Halothane	4.025	117	8005	2.008	ug/L	98

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A07.D
Acq On : 14 Nov 2025 08:05 pm
Operator : VOA122:PID
Sample : I8260STD2PPB
Misc : WG2142111,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 11:54:04 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:49:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251114AICAL\V22251114A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.009	53	1884	1.890	ug/L		94
28) Ethyl tert-butyl ether	4.198	59	21965	1.904	ug/L		96
29) Vinyl acetate	4.205	43	13136	2.059	ug/L		98
30) cis-1,2-Dichloroethene	4.480	96	11523	1.999	ug/L		100
31) 2,2-Dichloropropane	4.582	77	15056	2.035	ug/L		95
32) Bromochloromethane	4.668	128	5173	1.933	ug/L		96
33) Cyclohexane	4.676	56	17424	2.127	ug/L		96
34) Chloroform	4.739	83	19750	2.121	ug/L		97
35) Ethyl acetate	4.857	43	4743	1.925	ug/L	#	95
36) Carbon tetrachloride	4.880	117	14810	1.933	ug/L		95
37) Tetrahydrofuran	4.888	42	1818M6	2.385	ug/L		
39) 1,1,1-Trichloroethane	4.935	97	16144	1.914	ug/L		98
41) 2-Butanone	5.029	43	1630	1.750	ug/L	#	83
42) 1,1-Dichloropropene	5.061	75	12762	1.861	ug/L		97
44) Benzene	5.296	78	26598	2.012	ug/L		98
45) tert-Amyl methyl ether	5.416	73	18665	1.905	ug/L		96
47) 1,2-Dichloroethane	5.493	62	10887	1.928	ug/L		97
50) Methyl cyclohexane	5.884	83	16319	2.038	ug/L		92
51) Trichloroethene	5.891	95	10667	1.905	ug/L		98
53) Dibromomethane	6.324	93	4903	1.888	ug/L		97
54) 1,2-Dichloropropane	6.422	63	9114	1.692	ug/L		98
56) 2-Chloroethyl vinyl ether	7.124	63	3834	1.806	ug/L	#	88
57) Bromodichloromethane	6.491	83	8933	1.830	ug/L		97
60) 1,4-Dioxane	6.707	88	11572	381.926	ug/L		97
61) cis-1,3-Dichloropropene	7.186	75	13641	1.835	ug/L		91
64) Toluene	7.451	92	26605	1.934	ug/L		98
65) 4-Methyl-2-pentanone	7.881	58	1639	1.695	ug/L	#	71
66) Tetrachloroethene	7.895	166	11696	1.938	ug/L		98
68) trans-1,3-Dichloropropene	7.923	75	10829	1.760	ug/L		93
70) Ethyl methacrylate	8.132	69	8187	1.880	ug/L		97
71) 1,1,2-Trichloroethane	8.111	83	5330	1.793	ug/L		100
72) Chlorodibromomethane	8.319	129	8520	1.796	ug/L		98
73) 1,3-Dichloropropane	8.431	76	11377	1.859	ug/L		100
74) 1,2-Dibromoethane	8.590	107	6982	1.905	ug/L		94
76) 2-Hexanone	8.889	43	3547	1.916	ug/L		97
77) Chlorobenzene	9.246	112	30763	1.966	ug/L		92
78) Ethylbenzene	9.288	91	54463	1.924	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.330	131	9898	1.909	ug/L		98
80) p/m Xylene	9.477	106	44428	3.891	ug/L		100
81) o Xylene	10.024	106	41868	3.853	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A07.D
Acq On : 14 Nov 2025 08:05 pm
Operator : VOA122:PID
Sample : I8260STD2PPB
Misc : WG2142111,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 11:54:04 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:49:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251114AICAL\V22251114A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	10.094	104	67108	3.765	ug/L	100
84) Bromoform	10.108	173	4765	1.830	ug/L	98
86) Isopropylbenzene	10.431	105	56665	1.962	ug/L	99
88) Bromobenzene	10.866	156	11864	1.909	ug/L	98
89) n-Propylbenzene	10.922	91	66884	1.949	ug/L	99
90) 1,4-Dichlorobutane	10.929	55	12109	2.006	ug/L	98
91) 1,1,2,2-Tetrachloroethane	11.006	83	7906	1.942	ug/L	99
92) 4-Ethyltoluene	11.055	105	55217	1.933	ug/L	99
93) 2-Chlorotoluene	11.083	91	39440M6	1.991	ug/L	
94) 1,3,5-Trimethylbenzene	11.160	105	46783	1.937	ug/L	99
95) 1,2,3-Trichloropropane	11.146	75	6203	1.840	ug/L	99
96) trans-1,4-Dichloro-2-b...	11.202	53	2192	1.924	ug/L	95
97) 4-Chlorotoluene	11.273	91	40247	1.965	ug/L	100
98) tert-Butylbenzene	11.504	119	39766	1.944	ug/L	100
101) 1,2,4-Trimethylbenzene	11.588	105	44912	1.926	ug/L	99
102) sec-Butylbenzene	11.693	105	32962	1.902	ug/L	99
103) p-Isopropyltoluene	11.860	119	48456	1.886	ug/L	99
104) 1,3-Dichlorobenzene	11.916	146	25285	1.925	ug/L	99
105) 1,4-Dichlorobenzene	12.007	146	24912	1.947	ug/L	94
106) p-Diethylbenzene	12.243	119	27470	1.888	ug/L	99
107) n-Butylbenzene	12.299	91	41695	1.912	ug/L	99
108) 1,2-Dichlorobenzene	12.438	146	21849	1.948	ug/L	99
109) 1,2,4,5-Tetramethylben...	13.044	119	36788	1.880	ug/L	99
110) 1,2-Dibromo-3-chloropr...	13.225	155	1170	1.778	ug/L	98
111) 1,3,5-Trichlorobenzene	13.260	180	14342	1.966	ug/L	99
112) Hexachlorobutadiene	13.851	225	4644	2.006	ug/L	99
113) 1,2,4-Trichlorobenzene	13.865	180	11526	1.956	ug/L	97
114) Naphthalene	14.158	128	24697	1.866	ug/L	100
115) 1,2,3-Trichlorobenzene	14.325	180	9246	1.882	ug/L	99

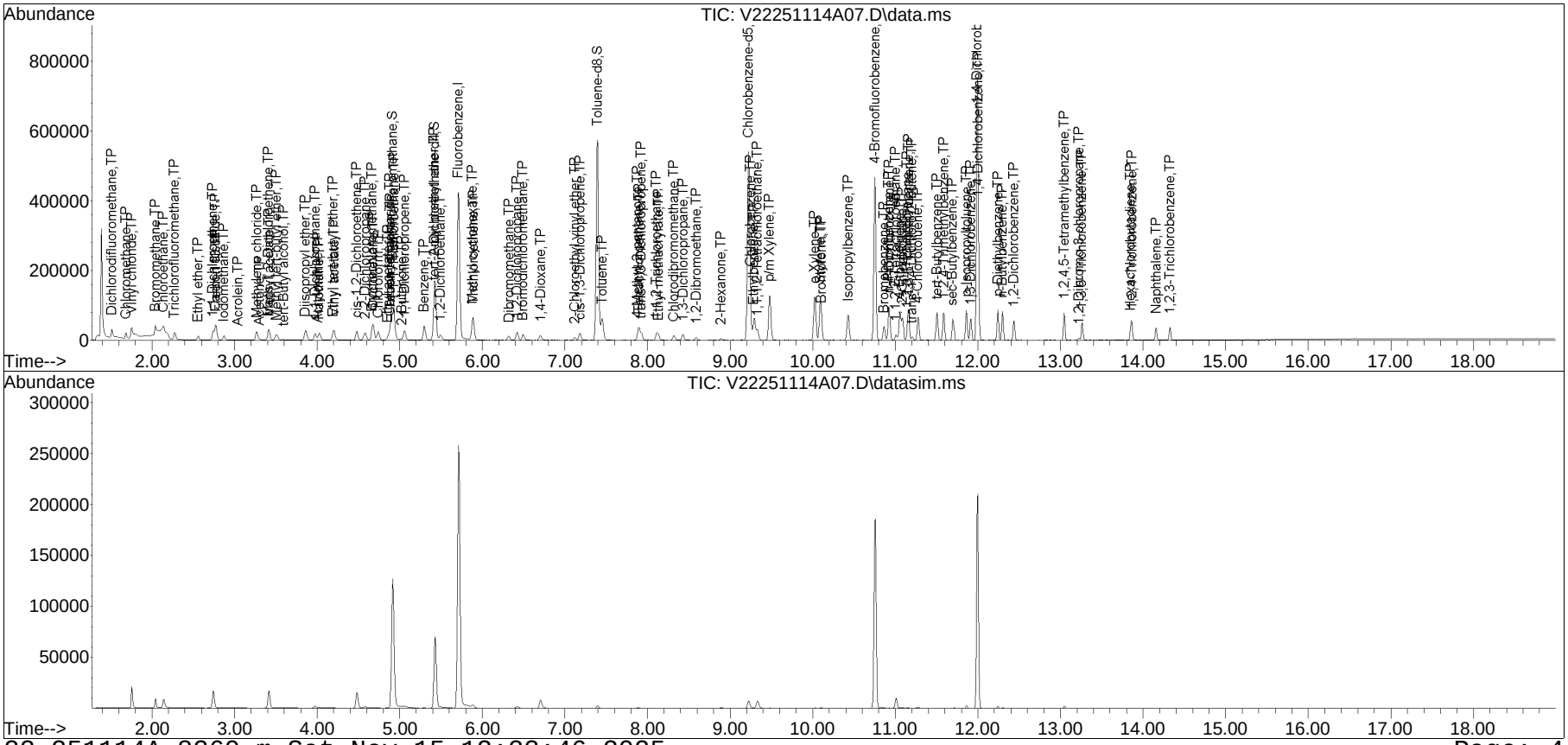
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A07.D
Acq On : 14 Nov 2025 08:05 pm
Operator : VOA122:PID
Sample : I8260STD2PPB
Misc : WG2142111,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 11:54:04 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:49:06 2025
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\V22251114A09.D•

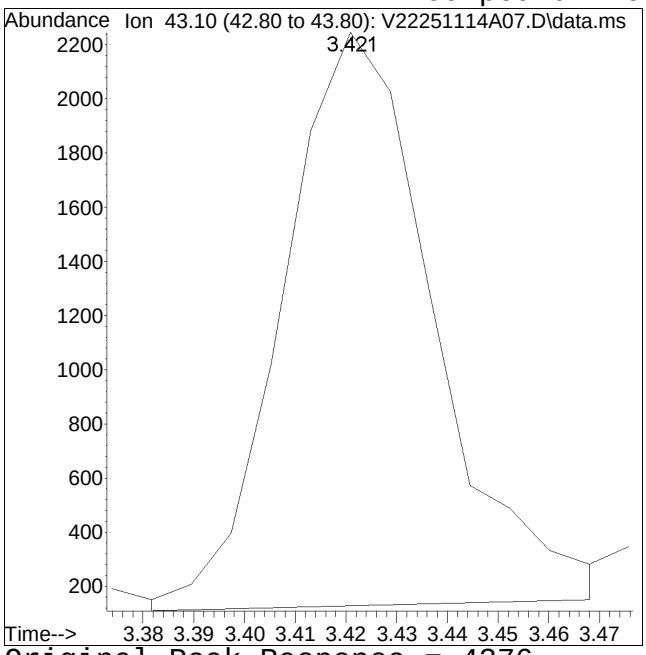


Manual Integration Report

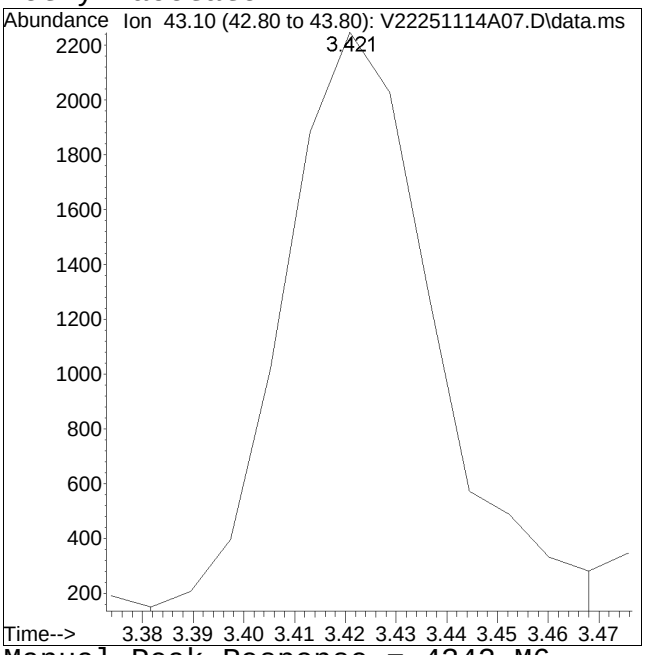
Data Path : K:\VOA122\2025\251114AICALQ
Data File : V22251114A07.D
Date Inj'd : 11/14/2025 8:05 pm
Sample : I8260STD2PPB

Method : V122_251114A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 11/15/2025 11:50 am

Compound #19: Methyl acetate



Original Peak Response = 4376



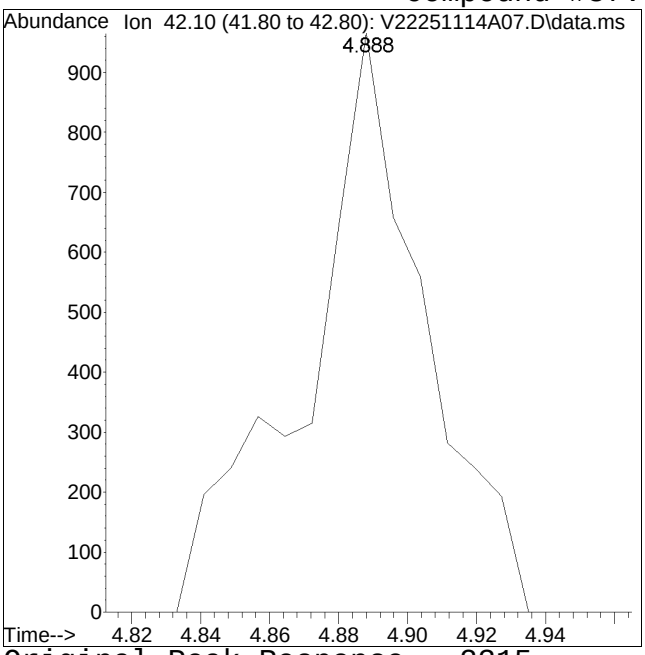
Manual Peak Response = 4342 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

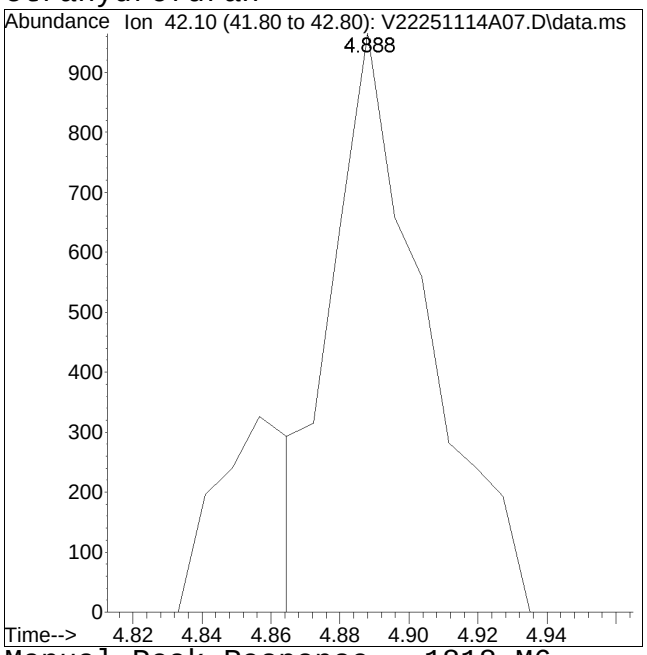
Manual Integration Report

Data Path : K:\VOA122\2025\251114AICALQMethod : V122_251114A_8260.m
Data File : V22251114A07.D Operator : VOA122:PID
Date Inj'd : 11/14/2025 8:05 pm Instrument : VOA 122
Sample : I8260STD2PPB Quant Date : 11/15/2025 11:50 am

Compound #37: Tetrahydrofuran



Original Peak Response = 2315



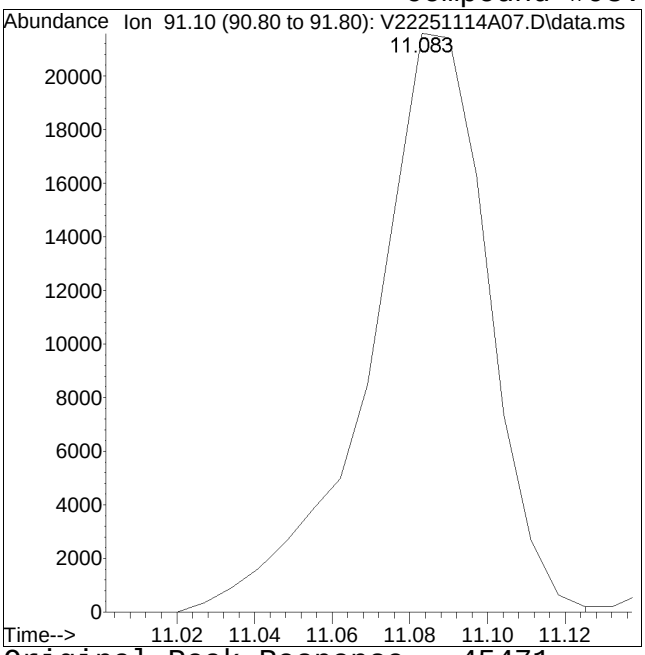
Manual Peak Response = 1818 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

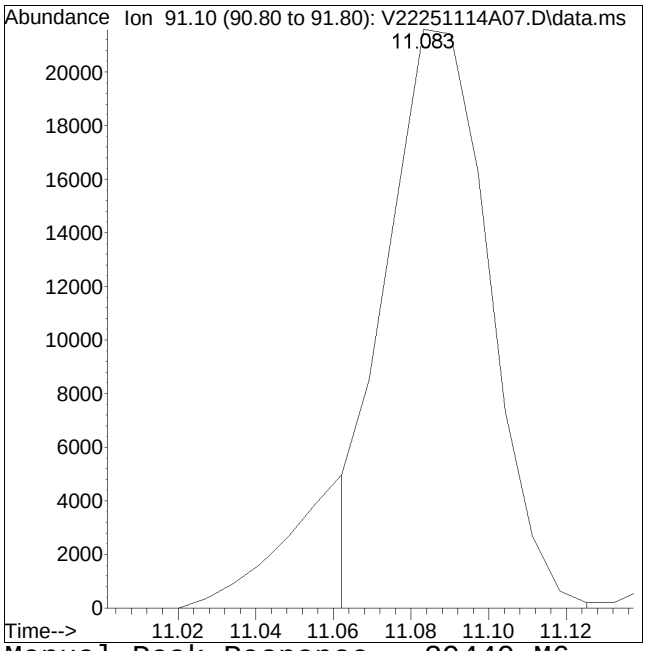
Manual Integration Report

Data Path : K:\VOA122\2025\251114AICALQMethod : V122_251114A_8260.m
Data File : V22251114A07.D Operator : VOA122:PID
Date Inj'd : 11/14/2025 8:05 pm Instrument : VOA 122
Sample : I8260STD2PPB Quant Date : 11/15/2025 11:50 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 45471



Manual Peak Response = 39440 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A09.D
Acq On : 14 Nov 2025 08:55 pm
Operator : VOA122:PID
Sample : I8260STD10PPB
Misc : WG2142111,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 15 11:48:54 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:48:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251114AICAL\V22251114A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.709	96	432596	10.000	ug/L	0.00
Standard Area 1 = 432596			Recovery = 100.00%			
62) Chlorobenzene-d5	9.225	117	345288M1	10.000	ug/L	0.00
Standard Area 1 = 345288			Recovery = 100.00%			
83) 1,4-Dichlorobenzene-d4	11.992	152	189494	10.000	ug/L	0.00
Standard Area 1 = 189494			Recovery = 100.00%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.911	113	115313	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
46) 1,2-Dichloroethane-d4	5.423	65	110586	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
63) Toluene-d8	7.395	98	450197	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
87) 4-Bromofluorobenzene	10.753	95	167104	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.514	85	73089	10.000	ug/L	100
3) Chloromethane	1.687	50	74291	10.000	ug/L	100
4) Vinyl chloride	1.757	62	87138	10.000	ug/L	100
5) Bromomethane	2.040	94	54624	10.000	ug/L	100
6) Chloroethane	2.142	64	62028	10.000	ug/L	100
7) Trichlorofluoromethane	2.275	101	80210	10.000	ug/L	100
8) Ethyl ether	2.558	74	22358	10.000	ug/L	100
10) 1,1-Dichloroethene	2.746	96	49430	10.000	ug/L	100
11) Carbon disulfide	2.769	76	167658	10.000	ug/L	100
12) Freon-113	2.777	101	44269	10.000	ug/L	100
13) Iodomethane	2.871	142	74632	10.000	ug/L	100
14) Acrolein	3.036	56	4227	10.000	ug/L	100
15) Methylene chloride	3.272	84	56991	10.000	ug/L	100
17) Acetone	3.303	43	8727	10.000	ug/L	100
18) trans-1,2-Dichloroethene	3.413	96	54792	10.000	ug/L	100
19) Methyl acetate	3.421	43	18097	10.000	ug/L	100
21) Methyl tert-butyl ether	3.507	73	98826	10.000	ug/L	100
22) tert-Butyl alcohol	3.593	59	10054	50.000	ug/L	100
24) Diisopropyl ether	3.860	45	133386	10.000	ug/L	100
25) 1,1-Dichloroethane	3.978	63	98331	10.000	ug/L	100
26) Halothane	4.033	117	40384	10.000	ug/L	100

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A09.D
Acq On : 14 Nov 2025 08:55 pm
Operator : VOA122:PID
Sample : I8260STD10PPB
Misc : WG2142111,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 15 11:48:54 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:48:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251114AICAL\V22251114A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Acrylonitrile	4.017	53	10096	10.000	ug/L	100
28) Ethyl tert-butyl ether	4.197	59	116821	10.000	ug/L	100
29) Vinyl acetate	4.205	43	64622	10.000	ug/L	100
30) cis-1,2-Dichloroethene	4.480	96	58389	10.000	ug/L	100
31) 2,2-Dichloropropane	4.582	77	74944	10.000	ug/L	100
32) Bromochloromethane	4.668	128	27101	10.000	ug/L	100
33) Cyclohexane	4.676	56	82965	10.000	ug/L	100
34) Chloroform	4.739	83	94311	10.000	ug/L	100
35) Ethyl acetate	4.848	43	24950	10.000	ug/L	100
36) Carbon tetrachloride	4.880	117	77614	10.000	ug/L	100
37) Tetrahydrofuran	4.896	42	7721M6	10.000	ug/L	
39) 1,1,1-Trichloroethane	4.943	97	85425	10.000	ug/L	100
41) 2-Butanone	5.021	43	9434	10.000	ug/L	100
42) 1,1-Dichloropropene	5.060	75	69455	10.000	ug/L	100
44) Benzene	5.296	78	133914	10.000	ug/L	100
45) tert-Amyl methyl ether	5.416	73	99229	10.000	ug/L	100
47) 1,2-Dichloroethane	5.493	62	57177	10.000	ug/L	100
50) Methyl cyclohexane	5.884	83	81089	10.000	ug/L	100
51) Trichloroethene	5.891	95	56717	9.998	ug/L	100
53) Dibromomethane	6.317	93	26297	10.000	ug/L	100
54) 1,2-Dichloropropane	6.421	63	54558	10.000	ug/L	100
56) 2-Chloroethyl vinyl ether	7.124	63	21500	10.000	ug/L	100
57) Bromodichloromethane	6.491	83	49449	10.000	ug/L	100
60) 1,4-Dioxane	6.707	88	15343	500.000	ug/L	100
61) cis-1,3-Dichloropropene	7.179	75	75298	10.000	ug/L	100
64) Toluene	7.450	92	137082	10.000	ug/L	100
65) 4-Methyl-2-pentanone	7.881	58	9637	10.000	ug/L	100
66) Tetrachloroethene	7.895	166	60143	10.000	ug/L	100
68) trans-1,3-Dichloropropene	7.930	75	61320	10.000	ug/L	100
70) Ethyl methacrylate	8.131	69	43401	10.000	ug/L	100
71) 1,1,2-Trichloroethane	8.111	83	29615	10.000	ug/L	100
72) Chlorodibromomethane	8.319	129	47260	10.000	ug/L	100
73) 1,3-Dichloropropane	8.430	76	60977	10.000	ug/L	100
74) 1,2-Dibromoethane	8.590	107	36528	10.000	ug/L	100
76) 2-Hexanone	8.889	43	18443	10.000	ug/L	100
77) Chlorobenzene	9.246	112	155927	10.000	ug/L	100
78) Ethylbenzene	9.295	91	282015	10.000	ug/L	100
79) 1,1,1,2-Tetrachloroethane	9.330	131	51677	10.000	ug/L	100
80) p/m Xylene	9.477	106	227564	20.000	ug/L	100
81) o Xylene	10.024	106	216569	20.000	ug/L	100

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A09.D
Acq On : 14 Nov 2025 08:55 pm
Operator : VOA122:PID
Sample : I8260STD10PPB
Misc : WG2142111,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 15 11:48:54 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:48:41 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251114AICAL\V22251114A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	10.094	104	355183	20.000	ug/L	100
84) Bromoform	10.108	173	26153	10.000	ug/L	100
86) Isopropylbenzene	10.431	105	290008	10.000	ug/L	100
88) Bromobenzene	10.865	156	62418	10.000	ug/L	100
89) n-Propylbenzene	10.922	91	344601	10.000	ug/L	100
90) 1,4-Dichlorobutane	10.929	55	60615	10.000	ug/L	100
91) 1,1,2,2-Tetrachloroethane	11.006	83	40885	10.000	ug/L	100
92) 4-Ethyltoluene	11.055	105	286847	10.000	ug/L	100
93) 2-Chlorotoluene	11.090	91	198911M6	10.000	ug/L	
94) 1,3,5-Trimethylbenzene	11.160	105	242595	10.000	ug/L	100
95) 1,2,3-Trichloropropane	11.146	75	33865	10.000	ug/L	100
96) trans-1,4-Dichloro-2-b...	11.202	53	11441	10.000	ug/L	100
97) 4-Chlorotoluene	11.279	91	205720	10.000	ug/L	100
98) tert-Butylbenzene	11.504	119	205418	10.000	ug/L	100
101) 1,2,4-Trimethylbenzene	11.588	105	234227	10.000	ug/L	100
102) sec-Butylbenzene	11.693	105	174034	10.000	ug/L	100
103) p-Isopropyltoluene	11.860	119	258089	10.000	ug/L	100
104) 1,3-Dichlorobenzene	11.916	146	131905	10.000	ug/L	100
105) 1,4-Dichlorobenzene	12.013	146	128498	10.000	ug/L	100
106) p-Diethylbenzene	12.243	119	146113	10.000	ug/L	100
107) n-Butylbenzene	12.299	91	219046	10.000	ug/L	100
108) 1,2-Dichlorobenzene	12.438	146	112632	10.000	ug/L	100
109) 1,2,4,5-Tetramethylben...	13.044	119	196498	10.000	ug/L	100
110) 1,2-Dibromo-3-chloropr...	13.224	155	6609	10.000	ug/L	100
111) 1,3,5-Trichlorobenzene	13.259	180	73257	10.000	ug/L	100
112) Hexachlorobutadiene	13.851	225	23244	10.000	ug/L	100
113) 1,2,4-Trichlorobenzene	13.865	180	59173	10.000	ug/L	100
114) Naphthalene	14.157	128	132930	10.000	ug/L	100
115) 1,2,3-Trichlorobenzene	14.324	180	49327	10.000	ug/L	100

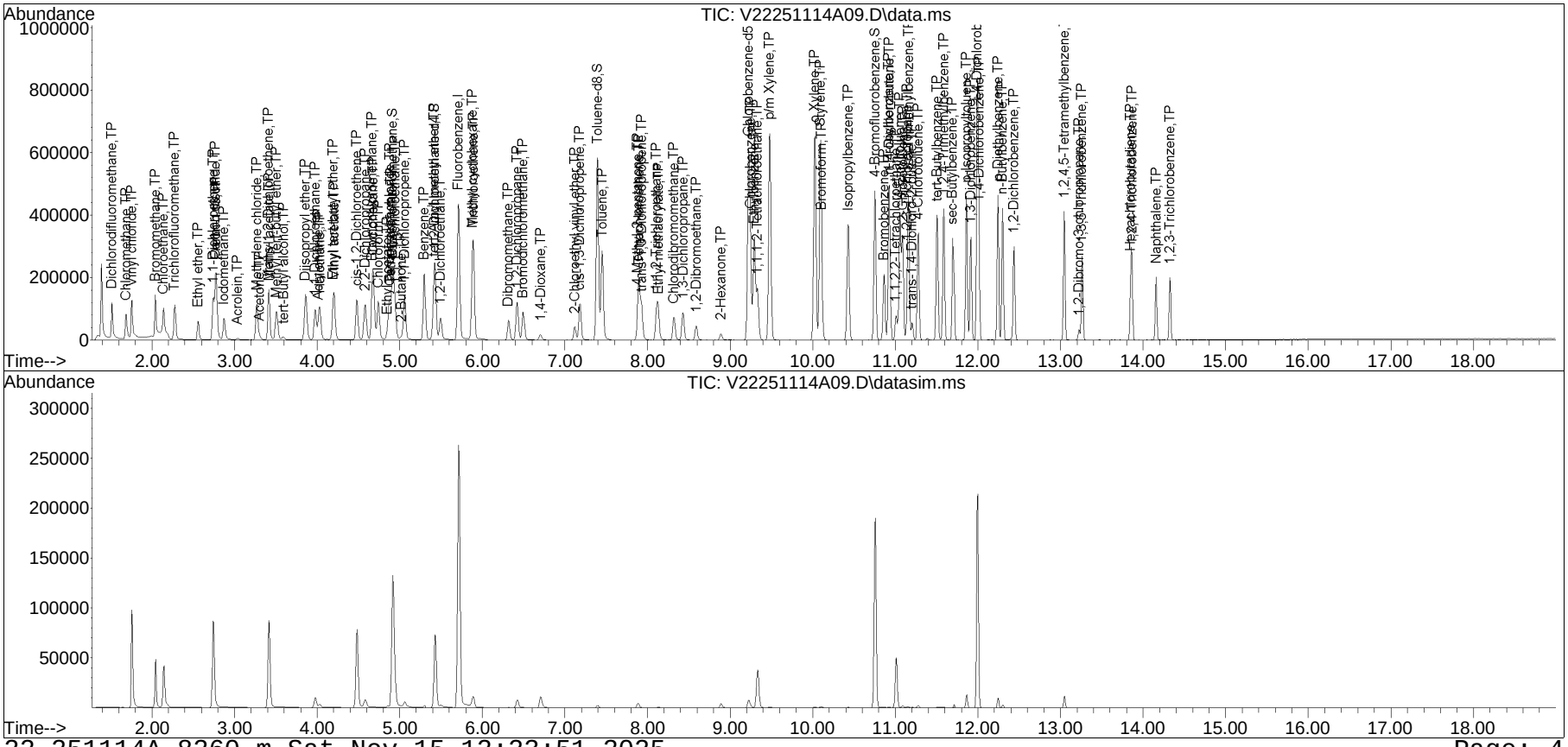
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A09.D
Acq On : 14 Nov 2025 08:55 pm
Operator : VOA122:PID
Sample : I8260STD10PPB
Misc : WG2142111,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 15 11:48:54 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:48:41 2025
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\V22251114A09.D•

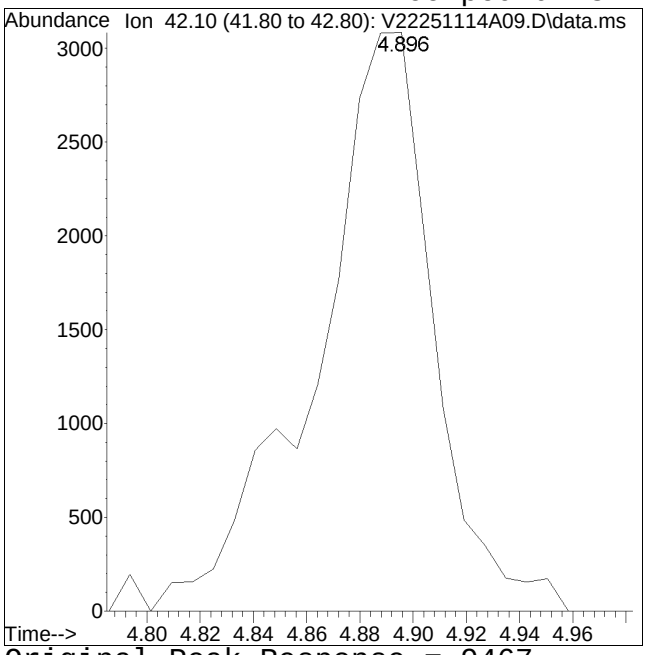


Manual Integration Report

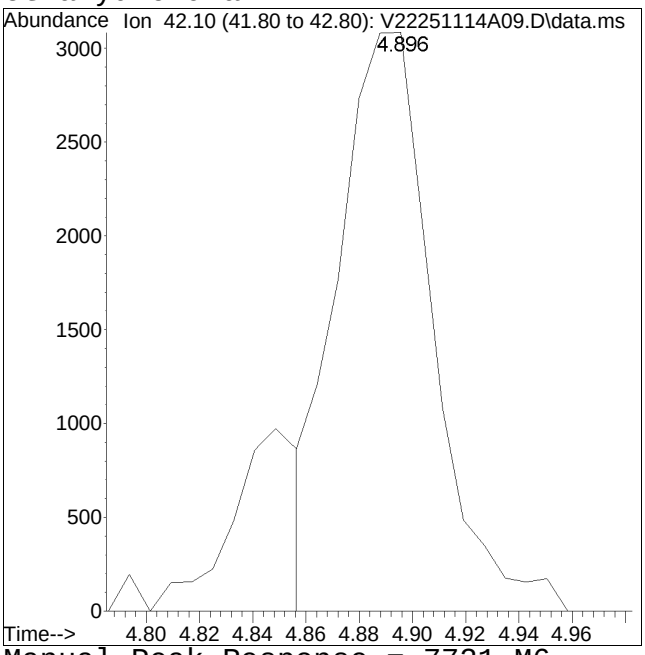
Data Path : K:\VOA122\2025\251114AICALQ
Data File : V22251114A09.D
Date Inj'd : 11/14/2025 8:55 pm
Sample : I8260STD10PPB

Method : V122_251114A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 11/15/2025 11:48 am

Compound #37: Tetrahydrofuran



Original Peak Response = 9467



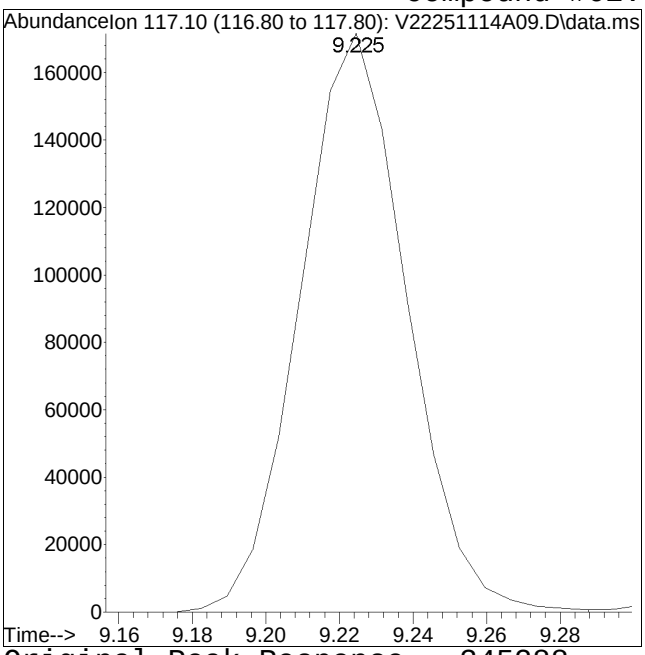
Manual Peak Response = 7721 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

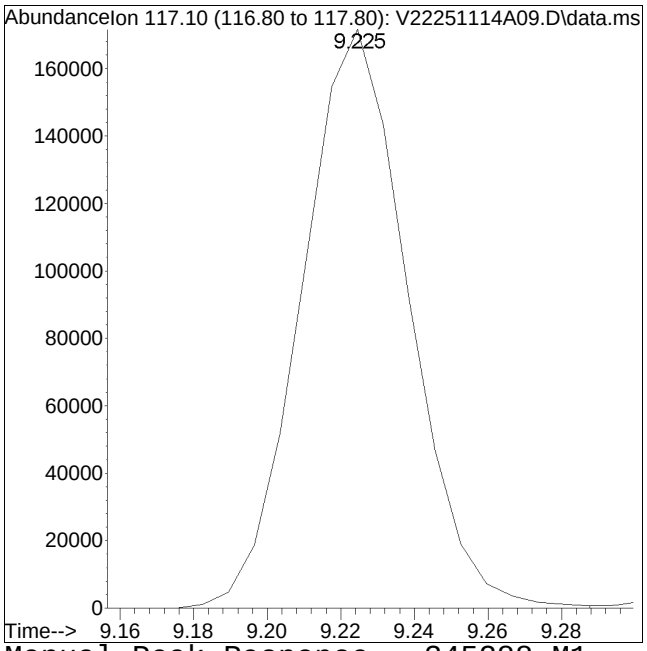
Manual Integration Report

Data Path : K:\VOA122\2025\251114AICALQMethod : V122_251114A_8260.m
Data File : V22251114A09.D Operator : VOA122:PID
Date Inj'd : 11/14/2025 8:55 pm Instrument : VOA 122
Sample : I8260STD10PPB Quant Date : 11/15/2025 11:48 am

Compound #62: Chlorobenzene-d5



Original Peak Response = 345288



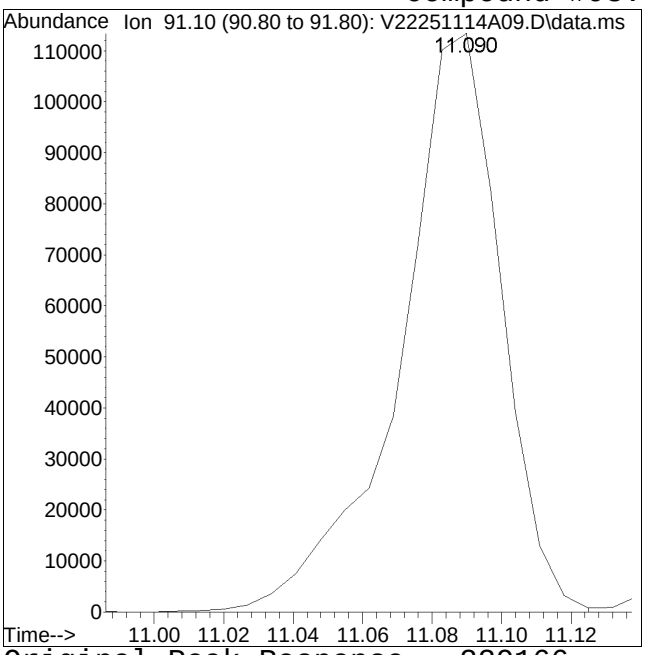
Manual Peak Response = 345288 M1

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

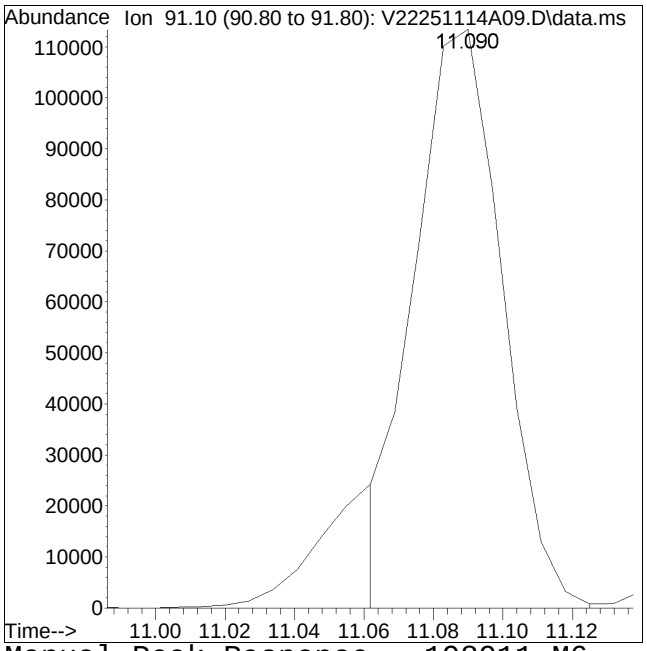
Manual Integration Report

Data Path : K:\VOA122\2025\251114AICALQMethod : V122_251114A_8260.m
Data File : V22251114A09.D Operator : VOA122:PID
Date Inj'd : 11/14/2025 8:55 pm Instrument : VOA 122
Sample : I8260STD10PPB Quant Date : 11/15/2025 11:48 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 229166



Manual Peak Response = 198911 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A10.D
Acq On : 14 Nov 2025 09:19 pm
Operator : VOA122:PID
Sample : I8260STD30PPB
Misc : WG2142111,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 15 11:55:00 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:49:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251114AICAL\V22251114A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.709	96	448427	10.000	ug/L	0.00
Standard Area 1 = 432596			Recovery = 103.66%			
62) Chlorobenzene-d5	9.225	117	352826	10.000	ug/L	0.00
Standard Area 1 = 345288			Recovery = 102.18%			
83) 1,4-Dichlorobenzene-d4	11.992	152	193936	10.000	ug/L	0.00
Standard Area 1 = 189494			Recovery = 102.34%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.911	113	116767	9.769	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.69%			
46) 1,2-Dichloroethane-d4	5.423	65	113251	9.879	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.79%			
63) Toluene-d8	7.395	98	452824	9.843	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.43%			
87) 4-Bromofluorobenzene	10.753	95	171094	10.004	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.04%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.514	85	259882	34.302	ug/L	99
3) Chloromethane	1.687	50	233529	30.325	ug/L	100
4) Vinyl chloride	1.757	62	282859	31.315	ug/L	99
5) Bromomethane	2.040	94	173449	30.632	ug/L	98
6) Chloroethane	2.142	64	196922	30.626	ug/L	97
7) Trichlorofluoromethane	2.275	101	279530	33.619	ug/L	98
8) Ethyl ether	2.558	74	72527	31.294	ug/L	99
10) 1,1-Dichloroethene	2.746	96	162111	31.638	ug/L	97
11) Carbon disulfide	2.769	76	540388	31.094	ug/L	100
12) Freon-113	2.777	101	159379	34.731	ug/L	99
13) Iodomethane	2.871	142	248939	32.178	ug/L	99
14) Acrolein	3.036	56	13029	29.735	ug/L	99
15) Methylene chloride	3.272	84	176450	29.868	ug/L	98
17) Acetone	3.295	43	23466	25.940	ug/L	91
18) trans-1,2-Dichloroethene	3.413	96	172948	30.450	ug/L	99
19) Methyl acetate	3.421	43	53748	28.651	ug/L	97
21) Methyl tert-butyl ether	3.507	73	322400	31.471	ug/L	99
22) tert-Butyl alcohol	3.585	59	33224	159.395	ug/L	93
24) Diisopropyl ether	3.860	45	434527	31.427	ug/L	99
25) 1,1-Dichloroethane	3.978	63	314461	30.851	ug/L	99
26) Halothane	4.033	117	132139	31.565	ug/L	99

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A10.D
Acq On : 14 Nov 2025 09:19 pm
Operator : VOA122:PID
Sample : I8260STD30PPB
Misc : WG2142111,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 15 11:55:00 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:49:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251114AICAL\V22251114A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.017	53	33170	31.695	ug/L		100
28) Ethyl tert-butyl ether	4.197	59	384900	31.785	ug/L		98
29) Vinyl acetate	4.205	43	226578	33.824	ug/L		98
30) cis-1,2-Dichloroethene	4.480	96	186203	30.764	ug/L		98
31) 2,2-Dichloropropane	4.582	77	238534	30.705	ug/L		99
32) Bromochloromethane	4.668	128	86833	30.909	ug/L		98
33) Cyclohexane	4.684	56	307686	35.777	ug/L		99
34) Chloroform	4.739	83	292564	29.926	ug/L		99
35) Ethyl acetate	4.848	43	78725	30.439	ug/L		99
36) Carbon tetrachloride	4.880	117	263352	32.733	ug/L		98
37) Tetrahydrofuran	4.888	42	24189M6	30.223	ug/L		
39) 1,1,1-Trichloroethane	4.943	97	280560	31.683	ug/L		99
41) 2-Butanone	5.021	43	32185	32.912	ug/L	#	55
42) 1,1-Dichloropropene	5.060	75	232465	32.288	ug/L		99
44) Benzene	5.296	78	441415	31.799	ug/L		98
45) tert-Amyl methyl ether	5.416	73	326456	31.738	ug/L		99
47) 1,2-Dichloroethane	5.493	62	182134	30.730	ug/L		98
50) Methyl cyclohexane	5.884	83	322953	38.421	ug/L		100
51) Trichloroethene	5.891	95	193335	32.884	ug/L		98
53) Dibromomethane	6.317	93	89274	32.750	ug/L		97
54) 1,2-Dichloropropane	6.421	63	178524	31.567	ug/L		99
56) 2-Chloroethyl vinyl ether	7.117	63	68923	30.925	ug/L		98
57) Bromodichloromethane	6.491	83	161254	31.459	ug/L		100
60) 1,4-Dioxane	6.700	88	19791	622.183	ug/L		99
61) cis-1,3-Dichloropropene	7.179	75	260789	33.412	ug/L		98
64) Toluene	7.450	92	443501	31.662	ug/L		98
65) 4-Methyl-2-pentanone	7.881	58	30659	31.134	ug/L		99
66) Tetrachloroethene	7.895	166	198953	32.373	ug/L		99
68) trans-1,3-Dichloropropene	7.930	75	210763	33.637	ug/L		98
70) Ethyl methacrylate	8.131	69	141244	31.849	ug/L		98
71) 1,1,2-Trichloroethane	8.111	83	98720	32.622	ug/L		99
72) Chlorodibromomethane	8.319	129	160085	33.150	ug/L		99
73) 1,3-Dichloropropane	8.430	76	203467	32.655	ug/L		99
74) 1,2-Dibromoethane	8.590	107	120568	32.302	ug/L		99
76) 2-Hexanone	8.889	43	52948	28.096	ug/L		89
77) Chlorobenzene	9.246	112	498733	31.302	ug/L		98
78) Ethylbenzene	9.295	91	903242	31.344	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.330	131	173436	32.845	ug/L		99
80) p/m Xylene	9.484	106	732983	63.044	ug/L		100
81) o Xylene	10.024	106	702971	63.532	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A10.D
Acq On : 14 Nov 2025 09:19 pm
Operator : VOA122:PID
Sample : I8260STD30PPB
Misc : WG2142111,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 15 11:55:00 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:49:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251114AICAL\V22251114A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	10.094	104	1158886	63.862	ug/L	99
84) Bromoform	10.108	173	90421	33.782	ug/L	99
86) Isopropylbenzene	10.431	105	950202	32.014	ug/L	100
88) Bromobenzene	10.865	156	203718	31.890	ug/L	99
89) n-Propylbenzene	10.922	91	1139801	32.318	ug/L	100
90) 1,4-Dichlorobutane	10.929	55	198117	31.936	ug/L	100
91) 1,1,2,2-Tetrachloroethane	11.006	83	135978	32.497	ug/L	99
92) 4-Ethyltoluene	11.055	105	944678	32.179	ug/L	100
93) 2-Chlorotoluene	11.090	91	643387M6	31.605	ug/L	
94) 1,3,5-Trimethylbenzene	11.160	105	797614	32.125	ug/L	100
95) 1,2,3-Trichloropropane	11.146	75	107483	31.012	ug/L	99
96) trans-1,4-Dichloro-2-b...	11.202	53	37386	31.929	ug/L	96
97) 4-Chlorotoluene	11.279	91	667666	31.712	ug/L	100
98) tert-Butylbenzene	11.504	119	688956	32.771	ug/L	100
101) 1,2,4-Trimethylbenzene	11.588	105	774624	32.314	ug/L	99
102) sec-Butylbenzene	11.693	105	571476	32.085	ug/L	100
103) p-Isopropyltoluene	11.860	119	863531	32.692	ug/L	99
104) 1,3-Dichlorobenzene	11.916	146	426282	31.577	ug/L	100
105) 1,4-Dichlorobenzene	12.006	146	415184	31.570	ug/L	99
106) p-Diethylbenzene	12.243	119	491750	32.885	ug/L	99
107) n-Butylbenzene	12.299	91	744270	33.200	ug/L	99
108) 1,2-Dichlorobenzene	12.438	146	368762	31.991	ug/L	100
109) 1,2,4,5-Tetramethylben...	13.043	119	653505	32.496	ug/L	100
110) 1,2-Dibromo-3-chloropr...	13.224	155	21402	31.641	ug/L	95
111) 1,3,5-Trichlorobenzene	13.266	180	242227	32.308	ug/L	99
112) Hexachlorobutadiene	13.851	225	84237	35.410	ug/L	98
113) 1,2,4-Trichlorobenzene	13.865	180	198827	32.831	ug/L	99
114) Naphthalene	14.157	128	431922	31.748	ug/L	100
115) 1,2,3-Trichlorobenzene	14.324	180	163374	32.362	ug/L	99

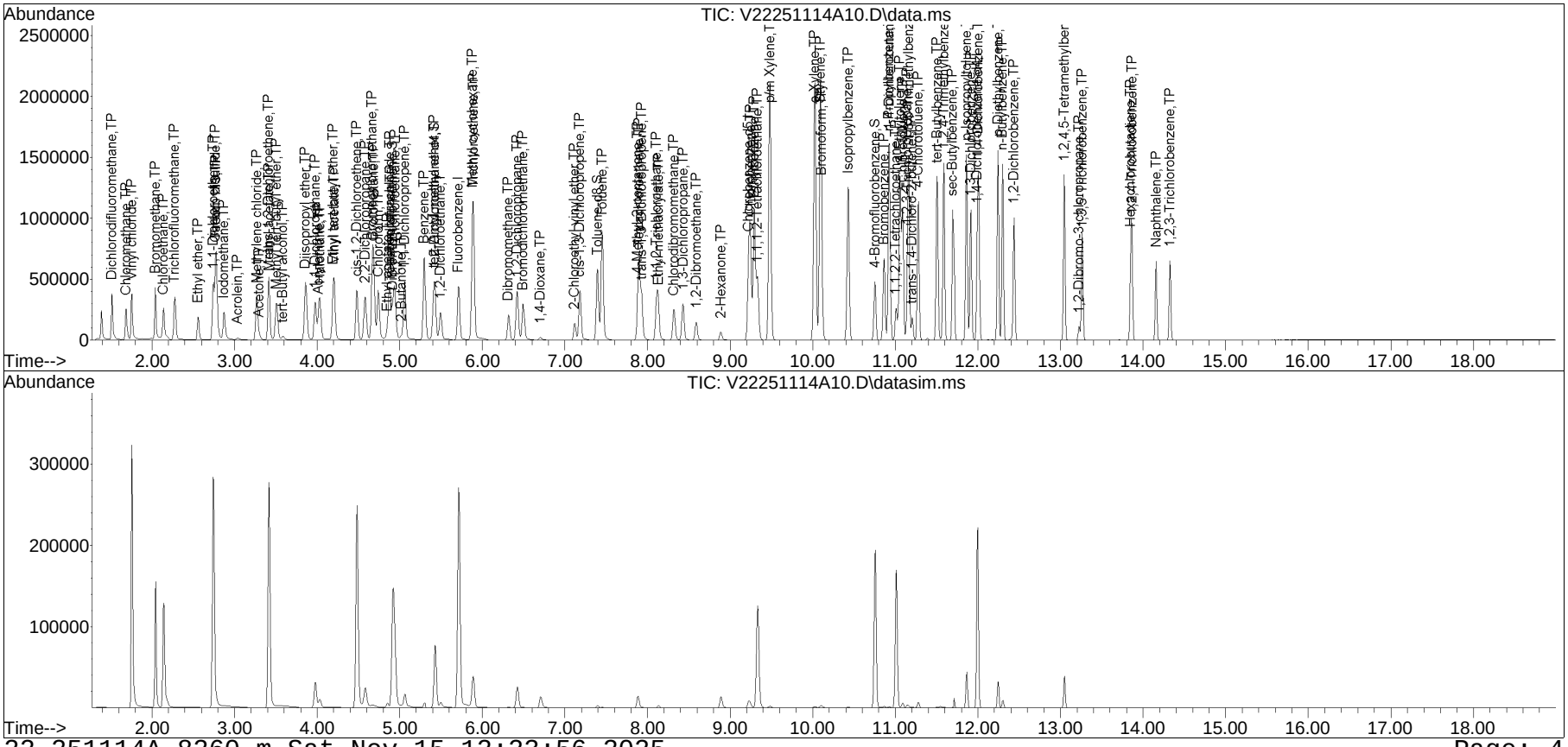
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A10.D
Acq On : 14 Nov 2025 09:19 pm
Operator : VOA122:PID
Sample : I8260STD30PPB
Misc : WG2142111,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 15 11:55:00 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:49:06 2025
Response via : Initial Calibration

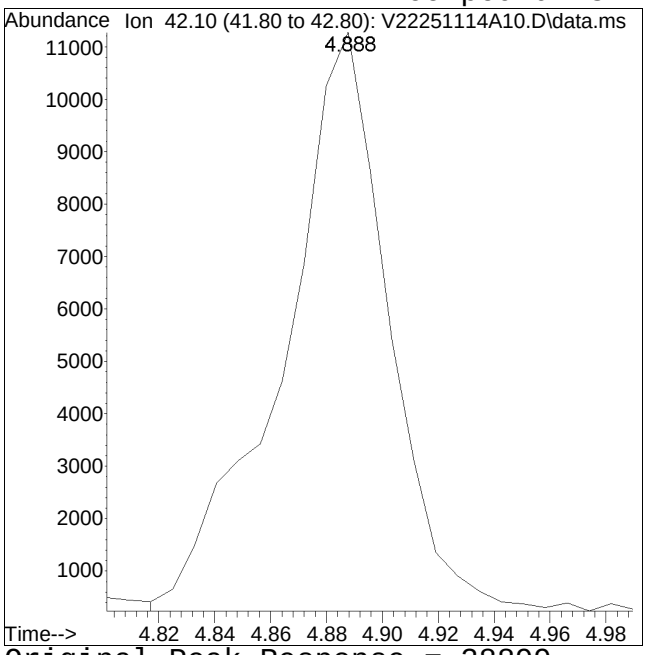
Sub List : 8260-Curve - Megamix plus Diox\V22251114A09.D•



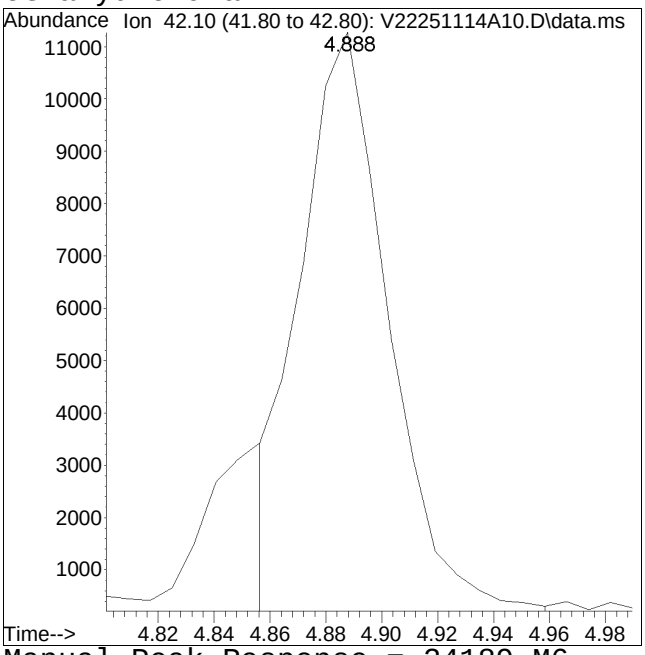
Manual Integration Report

Data Path : K:\VOA122\2025\251114AICALQMethod : V122_251114A_8260.m
Data File : V22251114A10.D Operator : VOA122:PID
Date Inj'd : 11/14/2025 9:19 pm Instrument : VOA 122
Sample : I8260STD30PPB Quant Date : 11/15/2025 11:50 am

Compound #37: Tetrahydrofuran



Original Peak Response = 28899



Manual Peak Response = 24189 M6

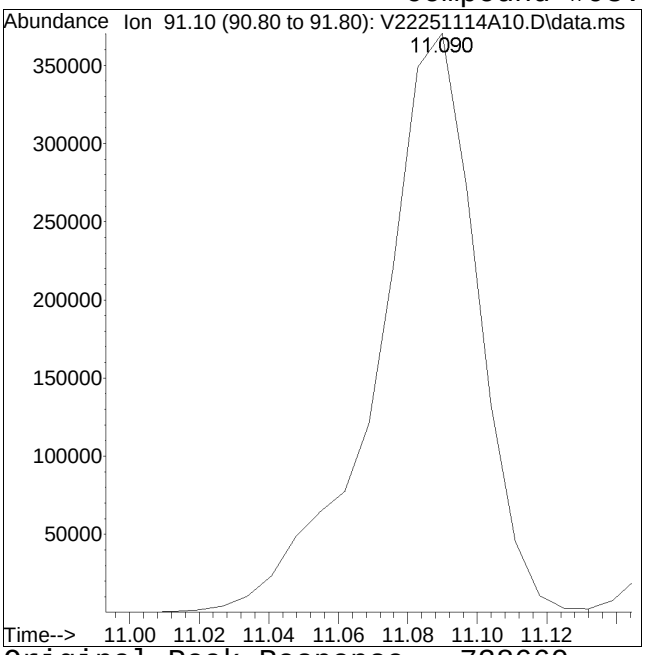
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

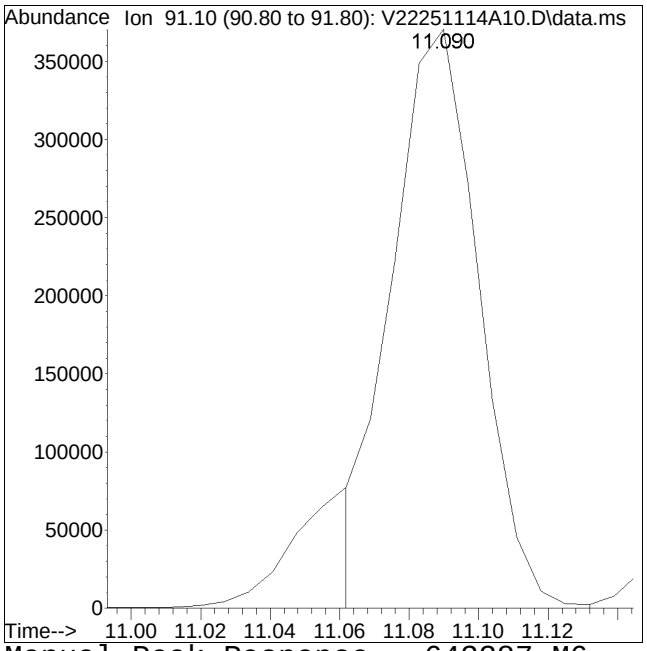
Data Path : K:\VOA122\2025\251114AICALQ
Data File : V22251114A10.D
Date Inj'd : 11/14/2025 9:19 pm
Sample : I8260STD30PPB

Method : V122_251114A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 11/15/2025 11:50 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 738660



Manual Peak Response = 643387 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A11.D
Acq On : 14 Nov 2025 09:44 pm
Operator : VOA122:PID
Sample : I8260STD80PPB
Misc : WG2142111,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 15 11:57:10 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:49:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251114AICAL\V22251114A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.710	96	468338	10.000	ug/L	0.00
Standard Area 1 = 432596			Recovery = 108.26%			
62) Chlorobenzene-d5	9.225	117	363689	10.000	ug/L	0.00
Standard Area 1 = 345288			Recovery = 105.33%			
83) 1,4-Dichlorobenzene-d4	11.993	152	199799	10.000	ug/L	0.00
Standard Area 1 = 189494			Recovery = 105.44%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.912	113	121778	9.755	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.55%			
46) 1,2-Dichloroethane-d4	5.423	65	118892	9.931	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.31%			
63) Toluene-d8	7.395	98	469409	9.899	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.99%			
87) 4-Bromofluorobenzene	10.754	95	172178	9.772	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.72%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.514	85	711838	89.961	ug/L	100
3) Chloromethane	1.687	50	627692	78.043	ug/L	100
4) Vinyl chloride	1.758	62	751569	79.668	ug/L	99
5) Bromomethane	2.040	94	488199	82.554	ug/L	98
6) Chloroethane	2.142	64	518347	77.189	ug/L	97
7) Trichlorofluoromethane	2.275	101	761013	87.637	ug/L	97
8) Ethyl ether	2.558	74	197785	81.712	ug/L	98
10) 1,1-Dichloroethene	2.738	96	449935	84.078	ug/L	98
11) Carbon disulfide	2.770	76	1486258	81.883	ug/L	100
12) Freon-113	2.778	101	438219	91.435	ug/L	99
13) Iodomethane	2.872	142	691073	85.531	ug/L	99
14) Acrolein	3.036	56	35674	77.955	ug/L	95
15) Methylene chloride	3.264	84	476675	77.257	ug/L	99
17) Acetone	3.295	43	61209	64.785	ug/L #	90
18) trans-1,2-Dichloroethene	3.413	96	480880	81.067	ug/L	99
19) Methyl acetate	3.413	43	148798	75.948	ug/L	97
21) Methyl tert-butyl ether	3.507	73	885275	82.743	ug/L	99
22) tert-Butyl alcohol	3.586	59	91630	420.913	ug/L	97
24) Diisopropyl ether	3.860	45	1240438	85.899	ug/L	98
25) 1,1-Dichloroethane	3.978	63	862789	81.047	ug/L	99
26) Halothane	4.033	117	365772	83.661	ug/L	99

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A11.D
Acq On : 14 Nov 2025 09:44 pm
Operator : VOA122:PID
Sample : I8260STD80PPB
Misc : WG2142111,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 15 11:57:10 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:49:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251114AICAL\V22251114A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.009	53	89221	81.628	ug/L		99
28) Ethyl tert-butyl ether	4.198	59	1093280	86.444	ug/L		99
29) Vinyl acetate	4.205	43	619605	88.564	ug/L		98
30) cis-1,2-Dichloroethene	4.480	96	512366	81.054	ug/L		98
31) 2,2-Dichloropropane	4.582	77	664532	81.903	ug/L		97
32) Bromochloromethane	4.668	128	237204	80.846	ug/L		99
33) Cyclohexane	4.684	56	892836	99.403	ug/L		97
34) Chloroform	4.739	83	815975	79.917	ug/L		99
35) Ethyl acetate	4.849	43	219929	81.421	ug/L		99
36) Carbon tetrachloride	4.880	117	732629	87.190	ug/L		98
37) Tetrahydrofuran	4.888	42	64948M6	77.699	ug/L		
39) 1,1,1-Trichloroethane	4.943	97	779099	84.242	ug/L		98
41) 2-Butanone	5.021	43	88607	86.755	ug/L	#	55
42) 1,1-Dichloropropene	5.061	75	674261	89.670	ug/L		99
44) Benzene	5.296	78	1233669	85.093	ug/L		98
45) tert-Amyl methyl ether	5.416	73	945130	87.978	ug/L		98
47) 1,2-Dichloroethane	5.493	62	515058	83.207	ug/L		99
50) Methyl cyclohexane	5.884	83	936351	106.660	ug/L		99
51) Trichloroethene	5.891	95	565382	92.077	ug/L		97
53) Dibromomethane	6.317	93	246805	86.690	ug/L		98
54) 1,2-Dichloropropane	6.422	63	495711	83.925	ug/L		99
56) 2-Chloroethyl vinyl ether	7.117	63	192308	82.619	ug/L		96
57) Bromodichloromethane	6.491	83	446462	83.397	ug/L		99
60) 1,4-Dioxane	6.707	88	27234	819.774	ug/L		97
61) cis-1,3-Dichloropropene	7.180	75	734252	90.071	ug/L		98
64) Toluene	7.451	92	1229153	85.129	ug/L		98
65) 4-Methyl-2-pentanone	7.881	58	88794	87.477	ug/L		93
66) Tetrachloroethene	7.895	166	559633	88.342	ug/L		99
68) trans-1,3-Dichloropropene	7.930	75	599956	92.890	ug/L		97
70) Ethyl methacrylate	8.132	69	387473	84.760	ug/L		97
71) 1,1,2-Trichloroethane	8.111	83	279370	89.561	ug/L		99
72) Chlorodibromomethane	8.319	129	455330	91.471	ug/L		99
73) 1,3-Dichloropropane	8.431	76	560801	87.316	ug/L		99
74) 1,2-Dibromoethane	8.590	107	335518	87.205	ug/L		100
76) 2-Hexanone	8.882	43	157703	81.182	ug/L		95
77) Chlorobenzene	9.246	112	1373597	83.635	ug/L		99
78) Ethylbenzene	9.295	91	2502412	84.244	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.330	131	487846	89.627	ug/L		99
80) p/m Xylene	9.484	106	2051672	171.193	ug/L		99
81) o Xylene	10.024	106	1976997	173.337	ug/L		99

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A11.D
Acq On : 14 Nov 2025 09:44 pm
Operator : VOA122:PID
Sample : I8260STD80PPB
Misc : WG2142111,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 15 11:57:10 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:49:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251114AICAL\V22251114A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	10.094	104	3240608	173.243	ug/L	98
84) Bromoform	10.108	173	270064	97.937	ug/L	99
86) Isopropylbenzene	10.431	105	2649225	86.639	ug/L	100
88) Bromobenzene	10.866	156	566278	86.044	ug/L	100
89) n-Propylbenzene	10.929	91	3191942	87.850	ug/L	99
90) 1,4-Dichlorobutane	10.929	55	562943	88.082	ug/L	100
91) 1,1,2,2-Tetrachloroethane	11.013	83	377309	87.526	ug/L	100
92) 4-Ethyltoluene	11.055	105	2607316	86.208	ug/L	99
93) 2-Chlorotoluene	11.090	91	1795996M6	85.634	ug/L	
94) 1,3,5-Trimethylbenzene	11.160	105	2226244	87.035	ug/L	100
95) 1,2,3-Trichloropropane	11.146	75	302936	84.840	ug/L	98
96) trans-1,4-Dichloro-2-b...	11.202	53	106403	88.205	ug/L	94
97) 4-Chlorotoluene	11.280	91	1850419	85.309	ug/L	100
98) tert-Butylbenzene	11.504	119	1928226	89.027	ug/L	100
101) 1,2,4-Trimethylbenzene	11.588	105	2146201	86.903	ug/L	100
102) sec-Butylbenzene	11.693	105	1532572	83.520	ug/L	98
103) p-Isopropyltoluene	11.860	119	2411042	88.601	ug/L	99
104) 1,3-Dichlorobenzene	11.916	146	1176023	84.558	ug/L	100
105) 1,4-Dichlorobenzene	12.014	146	1155561	85.290	ug/L	99
106) p-Diethylbenzene	12.243	119	1394492	90.517	ug/L	99
107) n-Butylbenzene	12.299	91	2071444	89.689	ug/L	99
108) 1,2-Dichlorobenzene	12.438	146	1023493	86.184	ug/L	100
109) 1,2,4,5-Tetramethylben...	13.044	119	1837970	88.712	ug/L	100
110) 1,2-Dibromo-3-chloropr...	13.225	155	61061	87.625	ug/L	97
111) 1,3,5-Trichlorobenzene	13.267	180	669617	86.692	ug/L	99
112) Hexachlorobutadiene	13.851	225	239227	97.612	ug/L	98
113) 1,2,4-Trichlorobenzene	13.865	180	554977	88.952	ug/L	99
114) Naphthalene	14.158	128	1161648	82.881	ug/L	100
115) 1,2,3-Trichlorobenzene	14.325	180	450783	86.673	ug/L	99

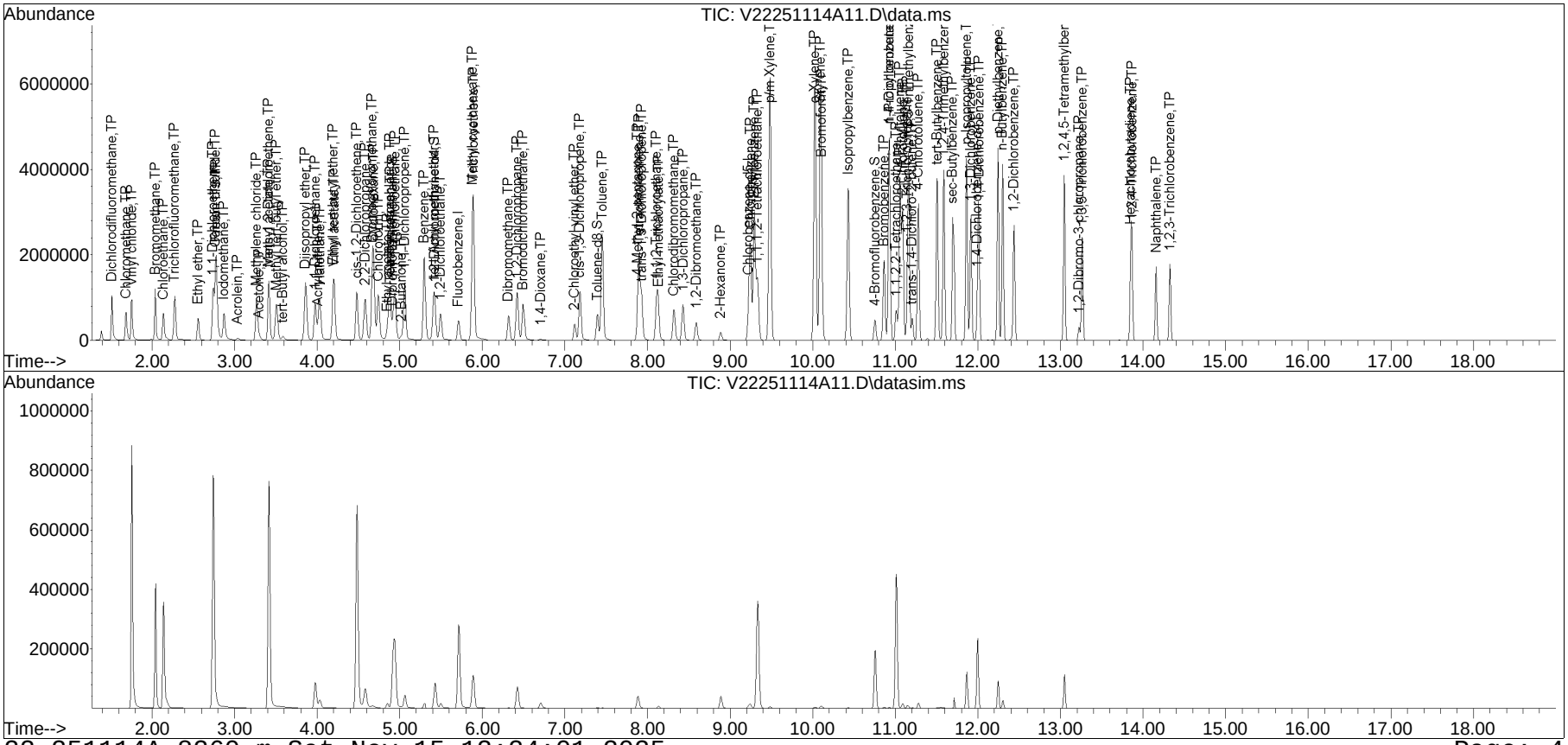
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A11.D
Acq On : 14 Nov 2025 09:44 pm
Operator : VOA122:PID
Sample : I8260STD80PPB
Misc : WG2142111,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 15 11:57:10 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:49:06 2025
Response via : Initial Calibration

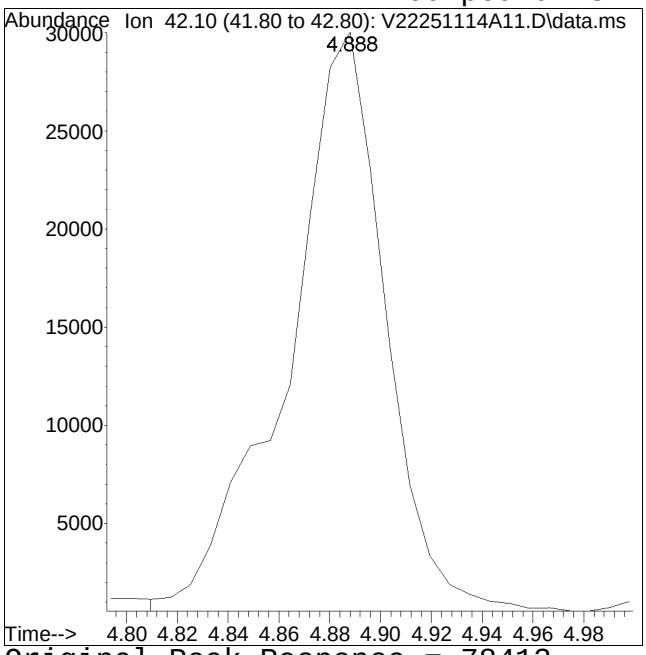
Sub List : 8260-Curve - Megamix plus Diox\V22251114A09.D•



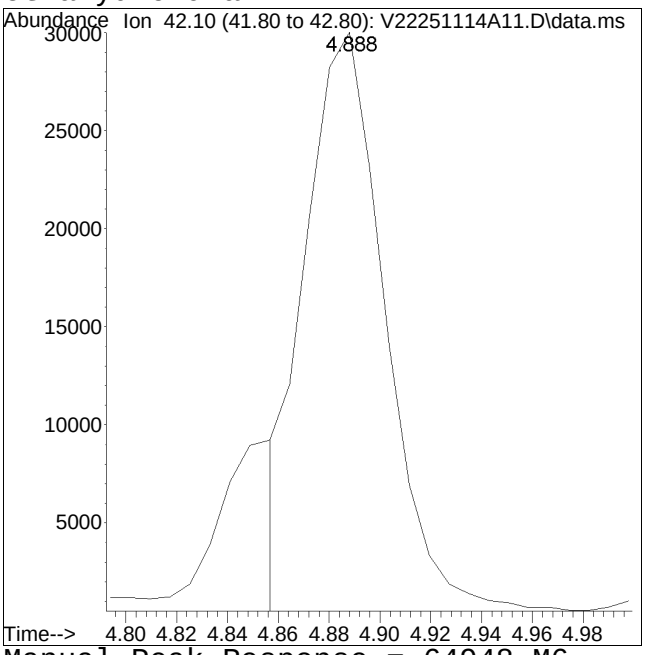
Manual Integration Report

Data Path : K:\VOA122\2025\251114AICALQMethod : V122_251114A_8260.m
Data File : V22251114A11.D Operator : VOA122:PID
Date Inj'd : 11/14/2025 9:44 pm Instrument : VOA 122
Sample : I8260STD80PPB Quant Date : 11/15/2025 11:50 am

Compound #37: Tetrahydrofuran



Original Peak Response = 78413



Manual Peak Response = 64948 M6

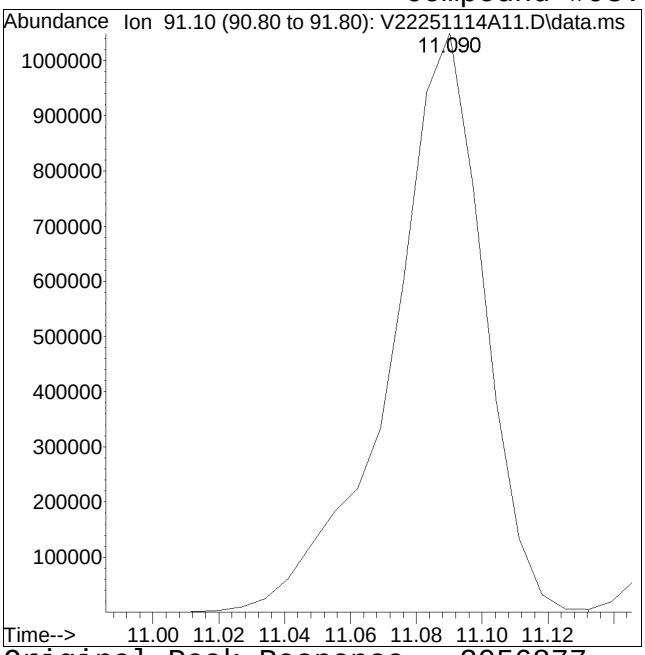
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

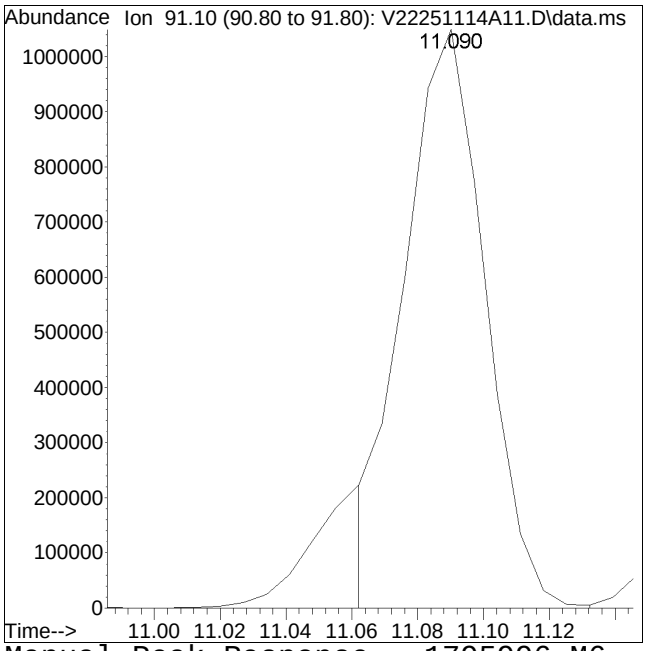
Data Path : K:\VOA122\2025\251114AICALQ
Data File : V22251114A11.D
Date Inj'd : 11/14/2025 9:44 pm
Sample : I8260STD80PPB

Method : V122_251114A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 11/15/2025 11:50 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 2056877



Manual Peak Response = 1795996 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A12.D
Acq On : 14 Nov 2025 10:09 pm
Operator : VOA122:PID
Sample : I8260STD120PPB
Misc : WG2142111,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 15 11:58:59 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:49:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251114AICAL\V22251114A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.716	96	487359	10.000	ug/L	0.00
Standard Area 1 = 432596			Recovery = 112.66%			
62) Chlorobenzene-d5	9.225	117	383085	10.000	ug/L	0.00
Standard Area 1 = 345288			Recovery = 110.95%			
83) 1,4-Dichlorobenzene-d4	11.999	152	207996	10.000	ug/L	0.00
Standard Area 1 = 189494			Recovery = 109.76%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.911	113	129268	9.951	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.51%			
46) 1,2-Dichloroethane-d4	5.430	65	129143	10.366	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.66%			
63) Toluene-d8	7.395	98	487976	9.770	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.70%			
87) 4-Bromofluorobenzene	10.753	95	177288	9.666	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.66%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.514	85	1049436	127.449	ug/L	99
3) Chloromethane	1.687	50	931442	111.289	ug/L	100
4) Vinyl chloride	1.757	62	1111590	113.232	ug/L	99
5) Bromomethane	2.040	94	760557	123.590	ug/L	99
6) Chloroethane	2.134	64	723982	103.603	ug/L	97
7) Trichlorofluoromethane	2.275	101	1147642	127.002	ug/L	98
8) Ethyl ether	2.558	74	316829	125.784	ug/L	98
10) 1,1-Dichloroethene	2.746	96	678932	121.918	ug/L	99
11) Carbon disulfide	2.769	76	2250274	119.136	ug/L	100
12) Freon-113	2.777	101	663294	132.996	ug/L	98
13) Iodomethane	2.871	142	1042271	123.962	ug/L	99
14) Acrolein	3.036	56	57744	121.257	ug/L	95
15) Methylene chloride	3.272	84	741936	115.556	ug/L	99
17) Acetone	3.295	43	100780	102.504	ug/L #	89
18) trans-1,2-Dichloroethene	3.413	96	752324	121.877	ug/L	99
19) Methyl acetate	3.413	43	249007	122.135	ug/L	98
21) Methyl tert-butyl ether	3.507	73	1424331	127.930	ug/L	99
22) tert-Butyl alcohol	3.585	59	151592	669.177	ug/L	91
24) Diisopropyl ether	3.860	45	1914594	127.409	ug/L	99
25) 1,1-Dichloroethane	3.978	63	1330448	120.099	ug/L	99
26) Halothane	4.033	117	559513	122.980	ug/L	98

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A12.D
Acq On : 14 Nov 2025 10:09 pm
Operator : VOA122:PID
Sample : I8260STD120PPB
Misc : WG2142111,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 15 11:58:59 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:49:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251114AICAL\V22251114A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.009	53	144705	127.224	ug/L		99
28) Ethyl tert-butyl ether	4.197	59	1789994	136.008	ug/L		98
29) Vinyl acetate	4.205	43	1013559	139.220	ug/L		98
30) cis-1,2-Dichloroethene	4.480	96	790796	120.217	ug/L		99
31) 2,2-Dichloropropane	4.582	77	1013978	120.095	ug/L		97
32) Bromochloromethane	4.668	128	359810	117.848	ug/L		100
33) Cyclohexane	4.684	56	1357439	145.231	ug/L		96
34) Chloroform	4.739	83	1279816	120.453	ug/L		98
35) Ethyl acetate	4.849	43	362185	128.853	ug/L		99
36) Carbon tetrachloride	4.880	117	1119869	128.074	ug/L		98
37) Tetrahydrofuran	4.888	42	107235M6	123.281	ug/L		
39) 1,1,1-Trichloroethane	4.943	97	1193201	123.983	ug/L		98
41) 2-Butanone	5.021	43	145725	137.111	ug/L	#	54
42) 1,1-Dichloropropene	5.060	75	1028555	131.449	ug/L		100
44) Benzene	5.296	78	1867739	123.801	ug/L		98
45) tert-Amyl methyl ether	5.416	73	1528099	136.693	ug/L		97
47) 1,2-Dichloroethane	5.493	62	812995	126.212	ug/L		99
50) Methyl cyclohexane	5.884	83	1437224	157.324	ug/L		100
51) Trichloroethene	5.891	95	866680	135.637	ug/L		98
53) Dibromomethane	6.317	93	393435	132.801	ug/L		98
54) 1,2-Dichloropropane	6.421	63	771938	125.591	ug/L		99
56) 2-Chloroethyl vinyl ether	7.117	63	306433	126.512	ug/L		97
57) Bromodichloromethane	6.491	83	687977	123.495	ug/L		98
60) 1,4-Dioxane	6.707	88	44346	1282.767	ug/L		98
61) cis-1,3-Dichloropropene	7.186	75	1158338	136.548	ug/L		99
64) Toluene	7.450	92	1909166	125.531	ug/L		98
65) 4-Methyl-2-pentanone	7.881	58	142192	132.990	ug/L		94
66) Tetrachloroethene	7.895	166	868073	130.094	ug/L		99
68) trans-1,3-Dichloropropene	7.930	75	951309	139.832	ug/L		97
70) Ethyl methacrylate	8.131	69	618746	128.499	ug/L		98
71) 1,1,2-Trichloroethane	8.111	83	444513	135.288	ug/L		99
72) Chlorodibromomethane	8.319	129	720048	137.326	ug/L		98
73) 1,3-Dichloropropane	8.430	76	889962	131.550	ug/L		99
74) 1,2-Dibromoethane	8.590	107	539451	133.111	ug/L		100
76) 2-Hexanone	8.882	43	247914	121.159	ug/L	#	90
77) Chlorobenzene	9.246	112	2106417	121.761	ug/L		98
78) Ethylbenzene	9.295	91	3808280	121.715	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.330	131	762272	132.953	ug/L		100
80) p/m Xylene	9.484	106	3135811	248.406	ug/L		98
81) o Xylene	10.031	106	3017462	251.167	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A12.D
Acq On : 14 Nov 2025 10:09 pm
Operator : VOA122:PID
Sample : I8260STD120PPB
Misc : WG2142111,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 15 11:58:59 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:49:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251114AICAL\V22251114A09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82)	Styrene	10.094	104	4943863	250.917	ug/L	96
84)	Bromoform	10.115	173	430091	149.823	ug/L	100
86)	Isopropylbenzene	10.431	105	4007283	125.887	ug/L	100
88)	Bromobenzene	10.866	156	872030	127.281	ug/L	99
89)	n-Propylbenzene	10.929	91	4793390	126.726	ug/L	99
90)	1,4-Dichlorobutane	10.929	55	888991	133.616	ug/L	99
91)	1,1,2,2-Tetrachloroethane	11.013	83	585274	130.417	ug/L	99
92)	4-Ethyltoluene	11.062	105	3918590	124.457	ug/L	99
93)	2-Chlorotoluene	11.090	91	2544393M6	116.538	ug/L	
94)	1,3,5-Trimethylbenzene	11.160	105	3345348	125.632	ug/L	99
95)	1,2,3-Trichloropropane	11.146	75	483359	130.035	ug/L	99
96)	trans-1,4-Dichloro-2-b...	11.209	53	170040	135.403	ug/L	94
97)	4-Chlorotoluene	11.279	91	2786205	123.389	ug/L	100
98)	tert-Butylbenzene	11.511	119	2898666	128.558	ug/L	99
101)	1,2,4-Trimethylbenzene	11.588	105	3258074	126.726	ug/L	100
102)	sec-Butylbenzene	11.693	105	2258113	118.209	ug/L	98
103)	p-Isopropyltoluene	11.867	119	3579106	126.341	ug/L	98
104)	1,3-Dichlorobenzene	11.916	146	1787593	123.466	ug/L	100
105)	1,4-Dichlorobenzene	12.013	146	1753463	124.320	ug/L	99
106)	p-Diethylbenzene	12.243	119	2107816	131.427	ug/L	99
107)	n-Butylbenzene	12.299	91	3084670	128.296	ug/L	99
108)	1,2-Dichlorobenzene	12.438	146	1565376	126.619	ug/L	100
109)	1,2,4,5-Tetramethylben...	13.051	119	2799650	129.803	ug/L	99
110)	1,2-Dibromo-3-chloropr...	13.225	155	97013	133.732	ug/L	97
111)	1,3,5-Trichlorobenzene	13.266	180	1027626	127.799	ug/L	99
112)	Hexachlorobutadiene	13.851	225	367275	143.953	ug/L	98
113)	1,2,4-Trichlorobenzene	13.865	180	872439	134.323	ug/L	98
114)	Naphthalene	14.157	128	1831962	125.555	ug/L	100
115)	1,2,3-Trichlorobenzene	14.324	180	714511	131.967	ug/L	98

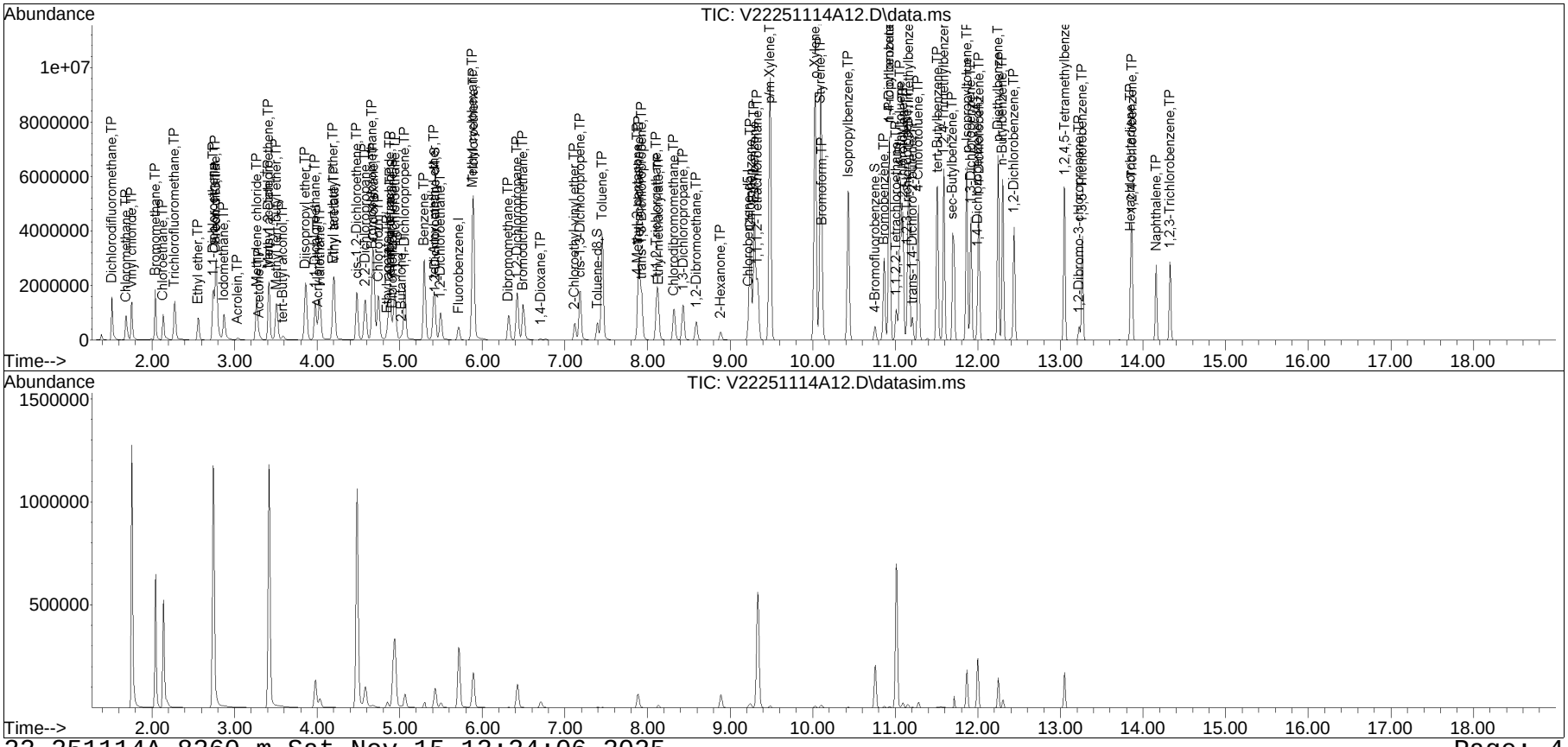
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A12.D
Acq On : 14 Nov 2025 10:09 pm
Operator : VOA122:PID
Sample : I8260STD120PPB
Misc : WG2142111,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 15 11:58:59 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:49:06 2025
Response via : Initial Calibration

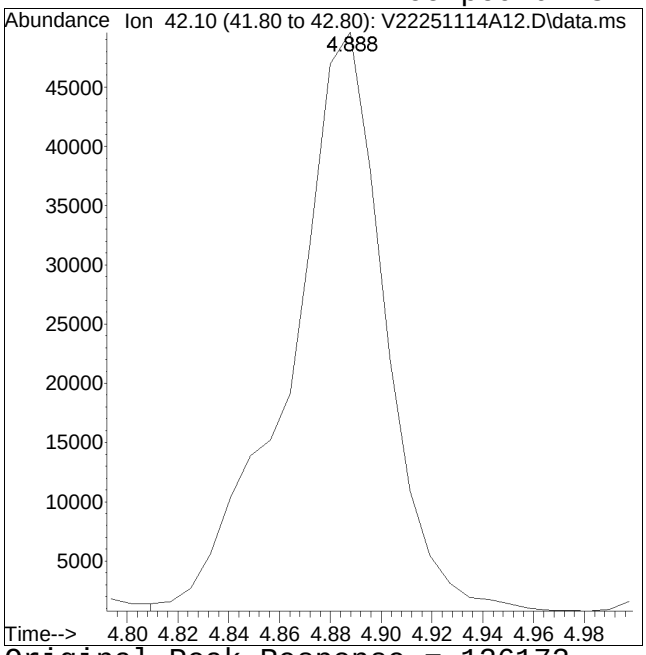
Sub List : 8260-Curve - Megamix plus Diox\V22251114A09.D•



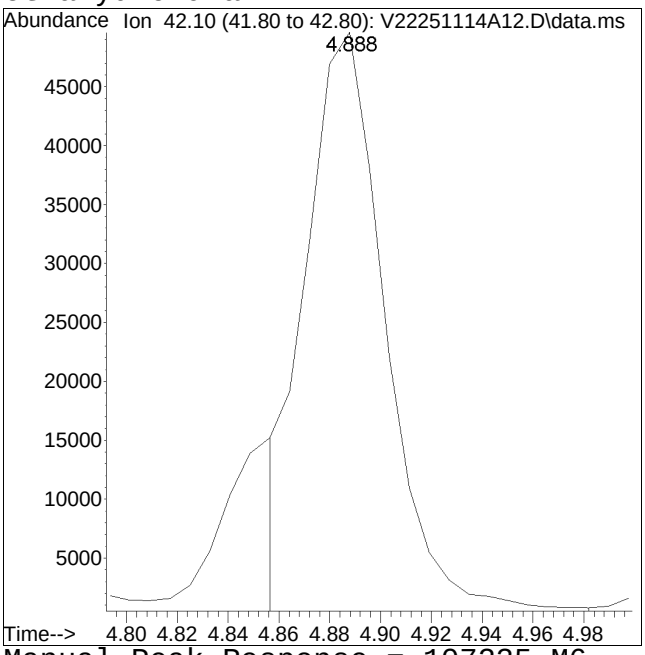
Manual Integration Report

Data Path : K:\VOA122\2025\251114AICALQMethod : V122_251114A_8260.m
Data File : V22251114A12.D Operator : VOA122:PID
Date Inj'd : 11/14/2025 10:09 pm Instrument : VOA 122
Sample : I8260STD120PPB Quant Date : 11/15/2025 11:50 am

Compound #37: Tetrahydrofuran



Original Peak Response = 126172



Manual Peak Response = 107235 M6

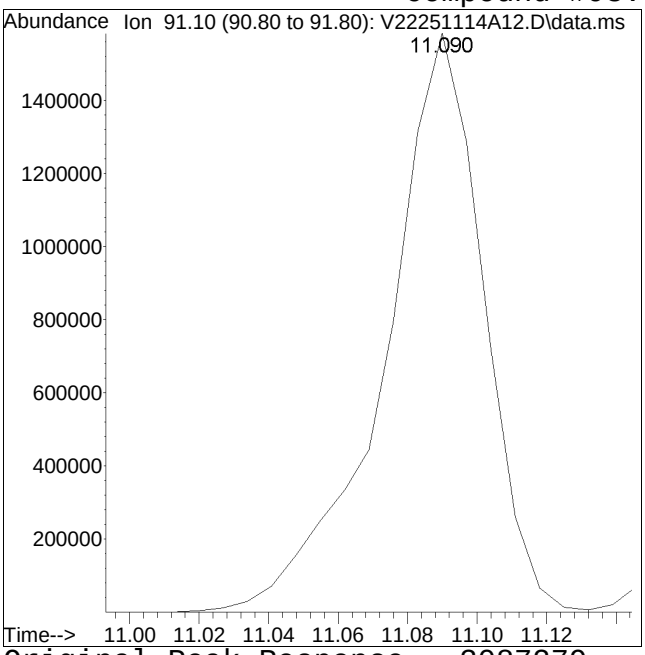
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

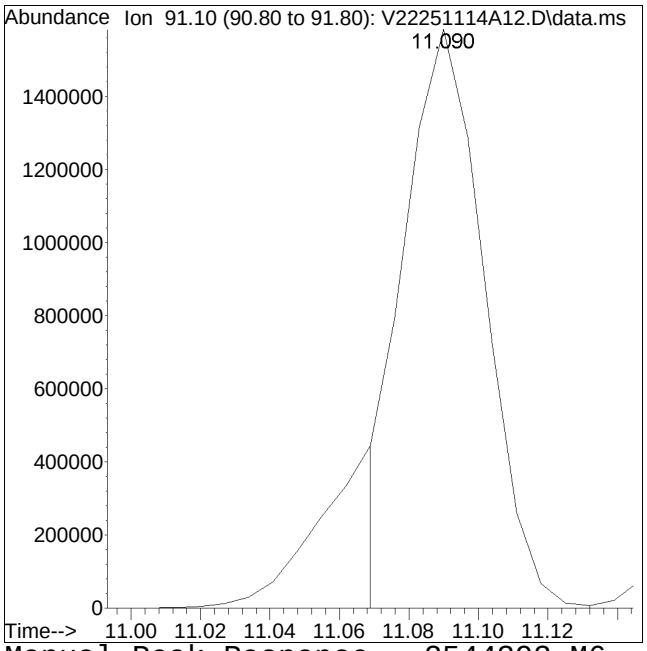
Data Path : K:\VOA122\2025\251114AICALQ
Data File : V22251114A12.D
Date Inj'd : 11/14/2025 10:09 pm
Sample : I8260STD120PPB

Method : V122_251114A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 11/15/2025 11:50 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 3087279



Manual Peak Response = 2544393 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A13.D
Acq On : 14 Nov 2025 10:33 pm
Operator : VOA122:PID
Sample : I8260STD200PPB
Misc : WG2142111,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 15 11:59:49 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:49:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251114AICAL\V22251114A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.709	96	502838	10.000	ug/L	0.00
Standard Area 1 = 432596			Recovery = 116.24%			
62) Chlorobenzene-d5	9.225	117	393993	10.000	ug/L	0.00
Standard Area 1 = 345288			Recovery = 114.11%			
83) 1,4-Dichlorobenzene-d4	11.999	152	212202	10.000	ug/L	0.00
Standard Area 1 = 189494			Recovery = 111.98%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.919	113	134006	9.998	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.98%			
46) 1,2-Dichloroethane-d4	5.430	65	133954	10.421	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.21%			
63) Toluene-d8	7.395	98	501504	9.763	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.63%			
87) 4-Bromofluorobenzene	10.753	95	180485	9.645	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.45%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.514	85	1814641	213.596	ug/L	99
3) Chloromethane	1.687	50	1596929	184.928	ug/L	100
4) Vinyl chloride	1.750	62	1877571	185.372	ug/L	99
5) Bromomethane	2.040	94	1344966	211.827	ug/L	98
6) Chloroethane	2.134	64	1091597	151.401	ug/L	97
7) Trichlorofluoromethane	2.275	101	1974405	211.769	ug/L	98
8) Ethyl ether	2.558	74	542482	208.741	ug/L	98
10) 1,1-Dichloroethene	2.738	96	1189734	207.068	ug/L	100
11) Carbon disulfide	2.769	76	3954292	202.908	ug/L	99
12) Freon-113	2.777	101	1212050	235.546	ug/L	99
13) Iodomethane	2.871	142	1760285	202.914	ug/L	98
14) Acrolein	3.036	56	99485	202.479	ug/L	92
15) Methylene chloride	3.264	84	1271545	191.946	ug/L	99
17) Acetone	3.303	43	165796	163.442	ug/L	90
18) trans-1,2-Dichloroethene	3.413	96	1313609	206.254	ug/L	99
19) Methyl acetate	3.413	43	412375	196.038	ug/L	97
21) Methyl tert-butyl ether	3.507	73	2438230	212.255	ug/L	98
22) tert-Butyl alcohol	3.585	59	250365	1071.172	ug/L	93
24) Diisopropyl ether	3.860	45	3321090	214.203	ug/L	99
25) 1,1-Dichloroethane	3.978	63	2308979	202.015	ug/L	99
26) Halothane	4.033	117	1021434	217.598	ug/L	99

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A13.D
Acq On : 14 Nov 2025 10:33 pm
Operator : VOA122:PID
Sample : I8260STD200PPB
Misc : WG2142111,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 15 11:59:49 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:49:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251114AICAL\V22251114A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.009	53	239584	204.156	ug/L		100
28) Ethyl tert-butyl ether	4.197	59	3051414	224.716	ug/L		94
29) Vinyl acetate	4.205	43	1976198	263.090	ug/L		97
30) cis-1,2-Dichloroethene	4.480	96	1368594	201.650	ug/L		99
31) 2,2-Dichloropropane	4.582	77	1780275	204.364	ug/L		97
32) Bromochloromethane	4.668	128	607550	192.864	ug/L		99
33) Cyclohexane	4.684	56	2420964	251.043	ug/L		97
34) Chloroform	4.739	83	2234137	203.799	ug/L		99
35) Ethyl acetate	4.848	43	596491	205.678	ug/L		98
36) Carbon tetrachloride	4.880	117	1985211	220.050	ug/L		98
37) Tetrahydrofuran	4.888	42	183046M6	203.958	ug/L		
39) 1,1,1-Trichloroethane	4.943	97	2093894	210.875	ug/L		98
41) 2-Butanone	5.021	43	238727	217.701	ug/L	#	54
42) 1,1-Dichloropropene	5.060	75	1804526	223.519	ug/L		100
44) Benzene	5.296	78	3224194	207.133	ug/L		99
45) tert-Amyl methyl ether	5.416	73	2579174	223.613	ug/L		97
47) 1,2-Dichloroethane	5.493	62	1382713	208.049	ug/L		100
50) Methyl cyclohexane	5.891	83	2554574	271.026	ug/L		99
51) Trichloroethene	5.891	95	1519835	230.535	ug/L		98
53) Dibromomethane	6.317	93	666482	218.040	ug/L		98
54) 1,2-Dichloropropane	6.421	63	1336055	210.679	ug/L		99
56) 2-Chloroethyl vinyl ether	7.124	63	506151	202.533	ug/L		96
57) Bromodichloromethane	6.491	83	1168727	203.334	ug/L		100
60) 1,4-Dioxane	6.707	88	88356	2477.138	ug/L		97
61) cis-1,3-Dichloropropene	7.186	75	1990019	227.367	ug/L		99
64) Toluene	7.450	92	3321887	212.372	ug/L		97
65) 4-Methyl-2-pentanone	7.881	58	232423	211.364	ug/L		92
66) Tetrachloroethene	7.895	166	1517255	221.089	ug/L		98
68) trans-1,3-Dichloropropene	7.930	75	1603835	229.219	ug/L		97
70) Ethyl methacrylate	8.131	69	1012938	204.539	ug/L		96
71) 1,1,2-Trichloroethane	8.111	83	747295	221.143	ug/L		99
72) Chlorodibromomethane	8.319	129	1226523	227.444	ug/L		99
73) 1,3-Dichloropropane	8.430	76	1486599	213.659	ug/L		98
74) 1,2-Dibromoethane	8.590	107	889577	213.428	ug/L		100
76) 2-Hexanone	8.882	43	382995	181.993	ug/L	#	88
77) Chlorobenzene	9.246	112	3638093	204.477	ug/L		99
78) Ethylbenzene	9.295	91	6564321	203.991	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.337	131	1309985	222.158	ug/L		100
80) p/m Xylene	9.484	106	5510304	424.419	ug/L		96
81) o Xylene	10.031	106	5273306	426.786	ug/L		96

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A13.D
Acq On : 14 Nov 2025 10:33 pm
Operator : VOA122:PID
Sample : I8260STD200PPB
Misc : WG2142111,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 15 11:59:49 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:49:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251114AICAL\V22251114A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	10.101	104	8547661	421.811	ug/L	93
84) Bromoform	10.115	173	751870	256.724	ug/L	100
86) Isopropylbenzene	10.431	105	6840736	210.639	ug/L	98
88) Bromobenzene	10.865	156	1498478	214.381	ug/L	100
89) n-Propylbenzene	10.929	91	8153267	211.281	ug/L	97
90) 1,4-Dichlorobutane	10.929	55	1504977	221.715	ug/L	98
91) 1,1,2,2-Tetrachloroethane	11.013	83	986889	215.551	ug/L	100
92) 4-Ethyltoluene	11.062	105	6635128	206.559	ug/L	98
93) 2-Chlorotoluene	11.090	91	4431090M6	198.929	ug/L	
94) 1,3,5-Trimethylbenzene	11.167	105	5716746	210.433	ug/L	99
95) 1,2,3-Trichloropropane	11.146	75	789440	208.168	ug/L	98
96) trans-1,4-Dichloro-2-b...	11.209	53	276570	215.867	ug/L	92
97) 4-Chlorotoluene	11.279	91	4749321	206.158	ug/L	100
98) tert-Butylbenzene	11.511	119	4956955	215.488	ug/L	98
101) 1,2,4-Trimethylbenzene	11.588	105	5521540	210.508	ug/L	99
102) sec-Butylbenzene	11.714	105	3814527	195.728	ug/L	98
103) p-Isopropyltoluene	11.867	119	6000470	207.616	ug/L	96
104) 1,3-Dichlorobenzene	11.916	146	3023461	204.686	ug/L	100
105) 1,4-Dichlorobenzene	12.013	146	2983347	207.326	ug/L	99
106) p-Diethylbenzene	12.243	119	3592511	219.561	ug/L	98
107) n-Butylbenzene	12.306	91	5210668	212.424	ug/L	98
108) 1,2-Dichlorobenzene	12.438	146	2622455	207.918	ug/L	100
109) 1,2,4,5-Tetramethylben...	13.050	119	4813763	218.762	ug/L	98
110) 1,2-Dibromo-3-chloropr...	13.224	155	157037	212.184	ug/L	96
111) 1,3,5-Trichlorobenzene	13.266	180	1771846	215.985	ug/L	98
112) Hexachlorobutadiene	13.851	225	656707	252.294	ug/L	99
113) 1,2,4-Trichlorobenzene	13.865	180	1472352	222.195	ug/L	98
114) Naphthalene	14.157	128	3006723	201.984	ug/L	100
115) 1,2,3-Trichlorobenzene	14.324	180	1185447	214.607	ug/L	99

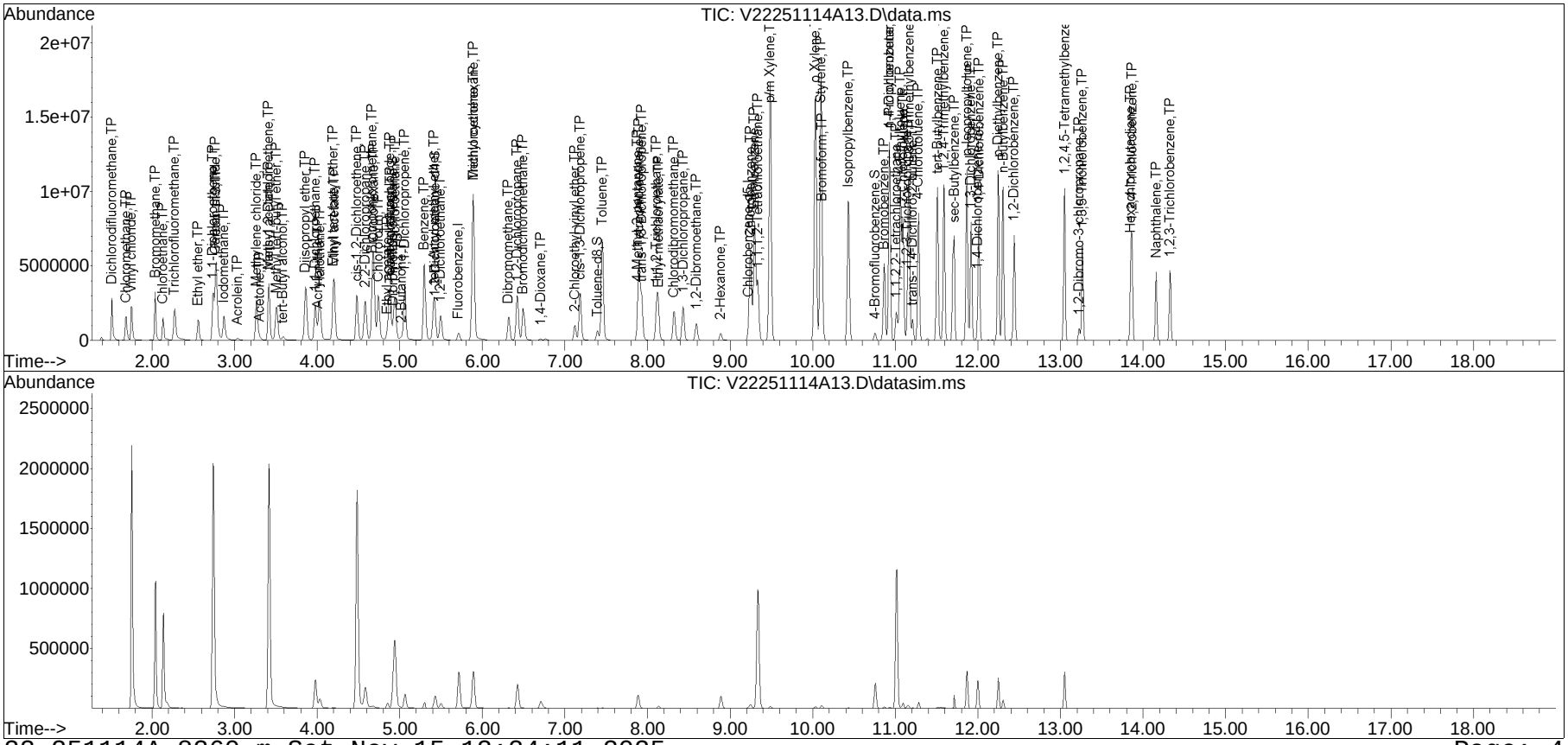
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A13.D
Acq On : 14 Nov 2025 10:33 pm
Operator : VOA122:PID
Sample : I8260STD200PPB
Misc : WG2142111,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 15 11:59:49 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 11:49:06 2025
Response via : Initial Calibration

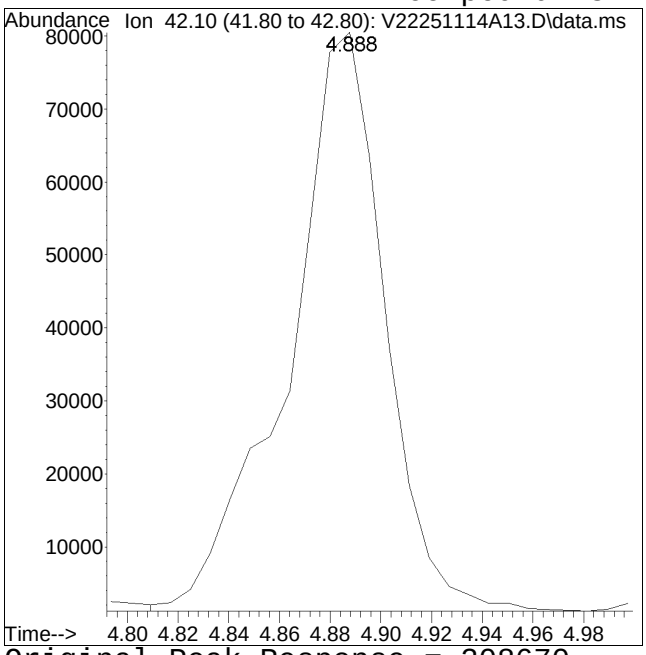
Sub List : 8260-Curve - Megamix plus Diox\V22251114A09.D•



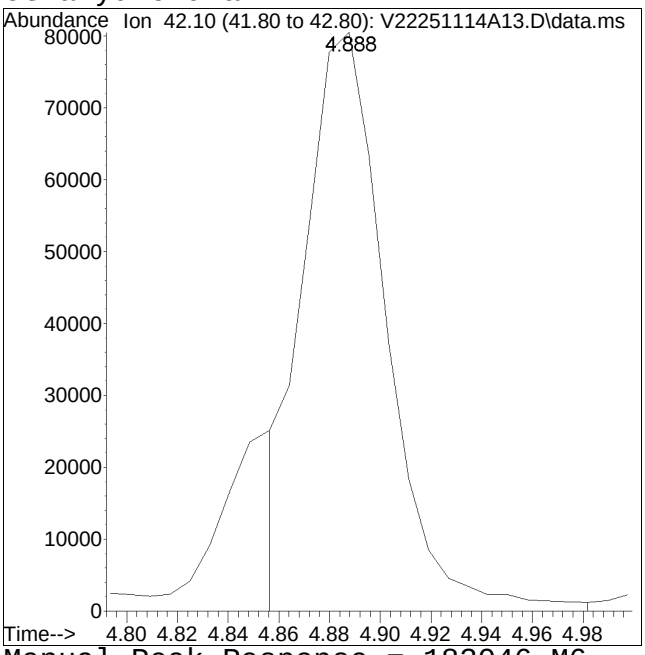
Manual Integration Report

Data Path : K:\VOA122\2025\251114AICALQMethod : V122_251114A_8260.m
Data File : V22251114A13.D Operator : VOA122:PID
Date Inj'd : 11/14/2025 10:33 pm Instrument : VOA 122
Sample : I8260STD200PPB Quant Date : 11/15/2025 11:50 am

Compound #37: Tetrahydrofuran



Original Peak Response = 208670



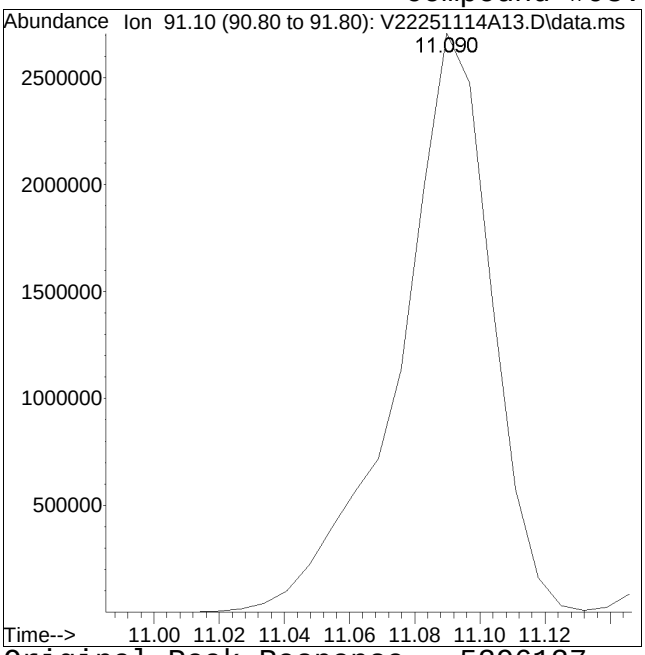
Manual Peak Response = 183046 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

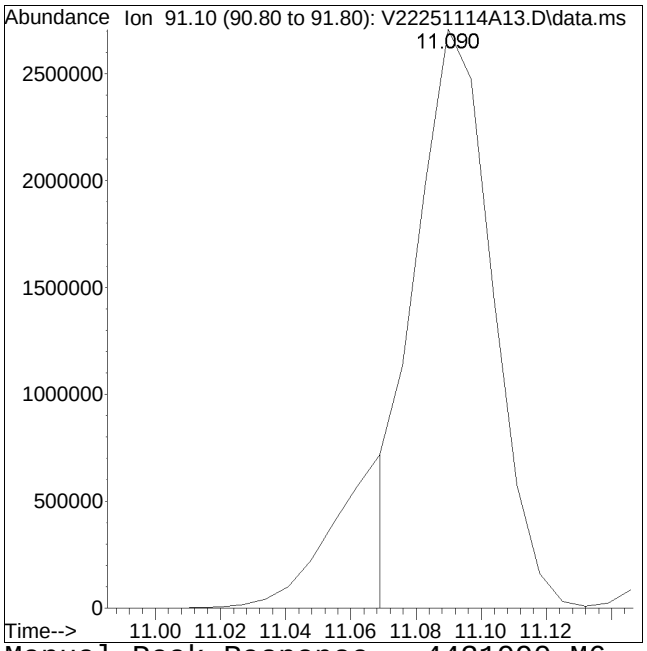
Manual Integration Report

Data Path : K:\VOA122\2025\251114AICALQMethod : V122_251114A_8260.m
Data File : V22251114A13.D Operator : VOA122:PID
Date Inj'd : 11/14/2025 10:33 pm Instrument : VOA 122
Sample : I8260STD200PPB Quant Date : 11/15/2025 11:50 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 5296127



Manual Peak Response = 4431090 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A18.D
Acq On : 15 Nov 2025 12:37 am
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG2142111,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 15 12:04:18 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	102	0.00
2	TP	Dichlorodifluoromethane	0.170	0.162	4.7	98	0.00
3	TP	Chloromethane	0.164	0.173	-5.5	102	0.00
4	TP	Vinyl chloride	0.186	0.218	-17.2	110	0.00
5	TP	Bromomethane	0.130	0.164	-26.2#	132	0.00
6	TP	Chloroethane	0.142	0.153	-7.7	108	0.00
7	TP	Trichlorofluoromethane	0.185	0.224	-21.1#	123	0.00
8	TP	Ethyl ether	0.051	0.049	3.9	96	0.00
10	TP	1,1-Dichloroethene	0.111	0.124	-11.7	111	0.00
11	TP	Carbon disulfide	0.376	0.400	-6.4	105	0.00
12	TP	Freon-113	0.107	0.132	-23.4#	131	0.00
13	TP	Iodomethane	0.162	0.176	-8.6	104	0.00
14	TP	Acrolein	0.00997	0.01024	-2.7	107	0.00
15	TP	Methylene chloride	0.129	0.138	-7.0	106	0.00
17	TP	Acetone	* 10.000	8.803	12.0	91	0.00
18	TP	trans-1,2-Dichloroethene	0.124	0.134	-8.1	107	0.00
19	TP	Methyl acetate	0.043	0.041	4.7	100	0.00
21	TP	Methyl tert-butyl ether	0.228	0.201	11.8	90	0.00
22	TP	tert-Butyl alcohol	0.00485	0.00428#	11.8	94	0.00
24	TP	Diisopropyl ether	0.315	0.295	6.3	97	0.00
25	TP	1,1-Dichloroethane	0.223	0.239#	-7.2	107	0.00
26	TP	Halothane	0.093	0.104	-11.8	113	0.00
27	TP	Acrylonitrile	0.024	0.023	4.2	98	0.00
28	TP	Ethyl tert-butyl ether	0.280	0.263	6.1	99	0.00
29	TP	Vinyl acetate	0.168	0.141	16.1	96	0.00
30	TP	cis-1,2-Dichloroethene	0.132	0.140#	-6.1	106	0.00
31	TP	2,2-Dichloropropane	0.173	0.184	-6.4	108	0.00
32	TP	Bromochloromethane	0.061	0.063#	-3.3	102	0.00
33	TP	Cyclohexane	0.215	0.233	-8.4	124	0.00
34	TP	Chloroform	0.225	0.230#	-2.2	107	0.00
35	TP	Ethyl acetate	0.059	0.057	3.4	100	0.00
36	TP	Carbon tetrachloride	0.173	0.196	-13.3	111	0.00
37	TP	Tetrahydrofuran	0.018	0.018	0.0	100	0.00
38	S	Dibromofluoromethane	0.265	0.260	1.9	99	0.00
39	TP	1,1,1-Trichloroethane	0.195	0.217	-11.3	112	0.00
41	TP	2-Butanone	0.023	0.026	-13.0	123	0.00
42	TP	1,1-Dichloropropene	0.162	0.180	-11.1	114	0.00
44	TP	Benzene	0.310	0.342	-10.3	112	0.00
45	TP	tert-Amyl methyl ether	0.240	0.213	11.2	94	0.00

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A18.D
Acq On : 15 Nov 2025 12:37 am
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG2142111,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 15 12:04:18 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46	S	1,2-Dichloroethane-d4	0.256	0.255	0.4	102	0.00
47	T	1,2-Dichloroethane	0.134	0.139	-3.7	107	0.00
50	TP	Methyl cyclohexane	0.228	0.235	-3.1	127	0.00
51	TP	Trichloroethene	0.138	0.138#	0.0	107	0.00
53	TP	Dibromomethane	0.062	0.063	-1.6	106	0.00
54	TP	1,2-Dichloropropane	0.122	0.131#	-7.4	105	0.00
56	TP	2-Chloroethyl vinyl ether	0.049	0.047	4.1	96	0.00
57	TP	Bromodichloromethane	0.114	0.112#	1.8	100	0.00
60	TP	1,4-Dioxane	0.00073	0.00069#	5.5	98	0.00
61	TP	cis-1,3-Dichloropropene	0.176	0.185#	-5.1	108	0.00
62	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
63	S	Toluene-d8	1.292	1.307	-1.2	101	0.00
64	TP	Toluene	0.396	0.428	-8.1	109	0.00
65	TP	4-Methyl-2-pentanone	0.029	0.027#	6.9	97	0.00
66	TP	Tetrachloroethene	0.168	0.191	-13.7	110	0.00
68	TP	trans-1,3-Dichloropropene	0.181	0.186#	-2.8	106	0.00
70	TP	Ethyl methacrylate	0.128	0.117	8.6	94	0.00
71	TP	1,1,2-Trichloroethane	0.091	0.090#	1.1	105	0.00
72	TP	Chlorodibromomethane	0.142	0.142#	0.0	104	0.00
73	TP	1,3-Dichloropropane	0.180	0.184	-2.2	105	0.00
74	TP	1,2-Dibromoethane	0.108	0.110#	-1.9	105	0.00
76	TP	2-Hexanone	0.052	0.048	7.7	90	0.00
77	TP	Chlorobenzene	0.450	0.481	-6.9	107	0.00
78	TP	Ethylbenzene	0.807	0.872	-8.1	108	0.00
79	TP	1,1,1,2-Tetrachloroethane	0.154	0.158	-2.6	106	0.00
80	TP	p/m Xylene	0.327	0.352	-7.6	108	0.00
81	TP	o Xylene	0.316	0.318	-0.6	102	0.00
82	TP	Styrene	0.516	0.526	-1.9	103	0.00
83	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
84	TP	Bromoform	0.153	0.140	8.5	103	0.00
86	TP	Isopropylbenzene	1.531	1.611	-5.2	107	0.00
87	S	4-Bromofluorobenzene	0.875	0.874	0.1	101	0.00
88	TP	Bromobenzene	0.334	0.355	-6.3	109	0.00
89	TP	n-Propylbenzene	1.831	1.959	-7.0	109	0.00
90	TP	1,4-Dichlorobutane	0.346	0.313	9.5	99	0.00
91	TP	1,1,2,2-Tetrachloroethane	0.227	0.214	5.7	101	0.00
92	TP	4-Ethyltoluene	1.511	1.531	-1.3	103	0.00

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A18.D
Acq On : 15 Nov 2025 12:37 am
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG2142111,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 15 12:04:18 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
93 TP	2-Chlorotoluene	1.045	1.111	-6.3	107	0.00
94 TP	1,3,5-Trimethylbenzene	1.287	1.351	-5.0	107	0.00
95 TP	1,2,3-Trichloropropane	0.180	0.183	-1.7	104	0.00
96 TP	trans-1,4-Dichloro-2-butene	0.064	0.062	3.1	104	0.00
97 TP	4-Chlorotoluene	1.091	1.145	-4.9	107	0.00
98 TP	tert-Butylbenzene	1.104	1.167	-5.7	109	0.00
101 TP	1,2,4-Trimethylbenzene	1.248	1.376	-10.3	113	0.00
102 TP	sec-Butylbenzene	0.897	0.992	-10.6	110	0.00
103 TP	p-Isopropyltoluene	1.354	1.457	-7.6	109	0.00
104 TP	1,3-Dichlorobenzene	0.693	0.745	-7.5	109	0.00
105 TP	1,4-Dichlorobenzene	0.684	0.719	-5.1	108	0.00
106 TP	p-Diethylbenzene	0.783	0.748	4.5	98	0.00
107 TP	n-Butylbenzene	1.175	1.255	-6.8	110	0.00
108 TP	1,2-Dichlorobenzene	0.602	0.640	-6.3	109	0.00
109 TP	1,2,4,5-Tetramethylbenzene	1.054	1.040	1.3	102	0.00
110 TP	1,2-Dibromo-3-chloropropane	0.034	0.034	0.0	99	0.00
111 TP	1,3,5-Trichlorobenzene	0.396	0.392	1.0	103	0.00
112 TP	Hexachlorobutadiene	0.136	0.151	-11.0	125	0.00
113 TP	1,2,4-Trichlorobenzene	0.326	0.332#	-1.8	108	0.00
114 TP	Naphthalene	0.704	0.723	-2.7	105	0.00
115 TP	1,2,3-Trichlorobenzene	0.267	0.275#	-3.0	107	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 17 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A18.D
Acq On : 15 Nov 2025 12:37 am
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG2142111,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 15 12:04:18 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251114AICAL\V22251114A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.709	96	439948	10.000	ug/L	0.00
Standard Area 1 = 432596			Recovery = 101.70%			
62) Chlorobenzene-d5	9.225	117	348102	10.000	ug/L	0.00
Standard Area 1 = 345288			Recovery = 100.81%			
83) 1,4-Dichlorobenzene-d4	11.992	152	192218	10.000	ug/L	0.00
Standard Area 1 = 189494			Recovery = 101.44%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.911	113	114450	9.798	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.98%			
46) 1,2-Dichloroethane-d4	5.430	65	112248	9.953	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.53%			
63) Toluene-d8	7.395	98	454839	10.110	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.10%			
87) 4-Bromofluorobenzene	10.753	95	167955	9.980	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.514	85	71414	9.555	ug/L	99
3) Chloromethane	1.687	50	76108	10.531	ug/L	100
4) Vinyl chloride	1.757	62	95735	11.715	ug/L	100
5) Bromomethane	2.040	94	72217	12.586	ug/L	98
6) Chloroethane	2.142	64	67269	10.806	ug/L	99
7) Trichlorofluoromethane	2.275	101	98591	12.087	ug/L	99
8) Ethyl ether	2.558	74	21459	9.567	ug/L	99
10) 1,1-Dichloroethene	2.738	96	54746	11.215	ug/L	99
11) Carbon disulfide	2.769	76	175772	10.637	ug/L	100
12) Freon-113	2.777	101	57941	12.318	ug/L	99
13) Iodomethane	2.871	142	77459	10.851	ug/L	99
14) Acrolein	3.036	56	4503	10.265	ug/L	92
15) Methylene chloride	3.272	84	60654	10.688	ug/L	99
17) Acetone	3.303	43	7928	8.803	ug/L	93
18) trans-1,2-Dichloroethene	3.413	96	58803	10.785	ug/L	100
19) Methyl acetate	3.421	43	18042	9.615	ug/L	98
21) Methyl tert-butyl ether	3.507	73	88524	8.827	ug/L	100
22) tert-Butyl alcohol	3.585	59	9405	44.092	ug/L	92
24) Diisopropyl ether	3.860	45	129618	9.344	ug/L	99
25) 1,1-Dichloroethane	3.978	63	104965	10.694	ug/L	99
26) Halothane	4.033	117	45751	11.141	ug/L	99

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A18.D
Acq On : 15 Nov 2025 12:37 am
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG2142111,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 15 12:04:18 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251114AICAL\V22251114A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Acrylonitrile	4.009	53	9915	9.347	ug/L	95
28) Ethyl tert-butyl ether	4.197	59	115596	9.398	ug/L	98
29) Vinyl acetate	4.205	43	61833	8.376	ug/L	99
30) cis-1,2-Dichloroethene	4.480	96	61679	10.658	ug/L	98
31) 2,2-Dichloropropane	4.582	77	80750	10.593	ug/L	97
32) Bromochloromethane	4.668	128	27687	10.356	ug/L	98
33) Cyclohexane	4.684	56	102658	10.875	ug/L	99
34) Chloroform	4.739	83	101066	10.226	ug/L	100
35) Ethyl acetate	4.848	43	25007	9.698	ug/L	99
36) Carbon tetrachloride	4.880	117	86424	11.356	ug/L	99
37) Tetrahydrofuran	4.888	42	7720M6	9.487	ug/L	
39) 1,1,1-Trichloroethane	4.935	97	95272	11.120	ug/L	99
41) 2-Butanone	5.029	43	11635	11.572	ug/L	93
42) 1,1-Dichloropropene	5.060	75	79166	11.124	ug/L	99
44) Benzene	5.296	78	150441	11.017	ug/L	98
45) tert-Amyl methyl ether	5.416	73	93570	8.873	ug/L	99
47) 1,2-Dichloroethane	5.493	62	61029	10.315	ug/L	99
50) Methyl cyclohexane	5.884	83	103255	10.292	ug/L	97
51) Trichloroethene	5.891	95	60682	10.027	ug/L	99
53) Dibromomethane	6.317	93	27781	10.126	ug/L	99
54) 1,2-Dichloropropane	6.421	63	57429	10.670	ug/L	93
56) 2-Chloroethyl vinyl ether	7.124	63	20540	9.603	ug/L	97
57) Bromodichloromethane	6.491	83	49314	9.809	ug/L	99
60) 1,4-Dioxane	6.707	88	15089	467.653	ug/L	97
61) cis-1,3-Dichloropropene	7.186	75	81430	10.535	ug/L	98
64) Toluene	7.450	92	148886	10.797	ug/L	98
65) 4-Methyl-2-pentanone	7.881	58	9395	9.444	ug/L	95
66) Tetrachloroethene	7.895	166	66407	11.361	ug/L	100
68) trans-1,3-Dichloropropene	7.930	75	64806	10.289	ug/L	100
70) Ethyl methacrylate	8.131	69	40850	9.135	ug/L	94
71) 1,1,2-Trichloroethane	8.111	83	31180	9.874	ug/L	99
72) Chlorodibromomethane	8.319	129	49322	9.986	ug/L	97
73) 1,3-Dichloropropane	8.430	76	64173	10.250	ug/L	98
74) 1,2-Dibromoethane	8.590	107	38293	10.207	ug/L	99
76) 2-Hexanone	8.889	43	16609	9.195	ug/L	91
77) Chlorobenzene	9.246	112	167492	10.689	ug/L	99
78) Ethylbenzene	9.295	91	303623	10.802	ug/L	99
79) 1,1,1,2-Tetrachloroethane	9.330	131	54870	10.255	ug/L	99
80) p/m Xylene	9.484	106	244916	21.502	ug/L	100
81) o Xylene	10.024	106	221120	20.108	ug/L	99

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A18.D
Acq On : 15 Nov 2025 12:37 am
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG2142111,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 15 12:04:18 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251114AICAL\V22251114A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	10.094	104	366000	20.385	ug/L	100
84) Bromoform	10.108	173	26846	9.107	ug/L	99
86) Isopropylbenzene	10.431	105	309599	10.523	ug/L	100
88) Bromobenzene	10.865	156	68208	10.619	ug/L	99
89) n-Propylbenzene	10.922	91	376620	10.698	ug/L	100
90) 1,4-Dichlorobutane	10.929	55	60207	9.046	ug/L	100
91) 1,1,2,2-Tetrachloroethane	11.013	83	41201	9.430	ug/L	98
92) 4-Ethyltoluene	11.055	105	294283	10.135	ug/L	99
93) 2-Chlorotoluene	11.090	91	213643M6	10.638	ug/L	
94) 1,3,5-Trimethylbenzene	11.160	105	259703	10.498	ug/L	100
95) 1,2,3-Trichloropropane	11.146	75	35140	10.152	ug/L	99
96) trans-1,4-Dichloro-2-b...	11.202	53	11857	9.609	ug/L	95
97) 4-Chlorotoluene	11.279	91	220071	10.491	ug/L	100
98) tert-Butylbenzene	11.511	119	224235	10.565	ug/L	100
101) 1,2,4-Trimethylbenzene	11.588	105	264519	11.029	ug/L	99
102) sec-Butylbenzene	11.693	105	190774	11.061	ug/L	99
103) p-Isopropyltoluene	11.860	119	280100	10.762	ug/L	99
104) 1,3-Dichlorobenzene	11.916	146	143175	10.745	ug/L	98
105) 1,4-Dichlorobenzene	12.013	146	138141	10.512	ug/L	99
106) p-Diethylbenzene	12.243	119	143799	9.556	ug/L	99
107) n-Butylbenzene	12.299	91	241163	10.679	ug/L	99
108) 1,2-Dichlorobenzene	12.438	146	123014	10.629	ug/L	99
109) 1,2,4,5-Tetramethylben...	13.043	119	199970	9.873	ug/L	100
110) 1,2-Dibromo-3-chloropr...	13.224	155	6538	9.959	ug/L	97
111) 1,3,5-Trichlorobenzene	13.266	180	75356	9.903	ug/L	99
112) Hexachlorobutadiene	13.851	225	29039	11.131	ug/L	99
113) 1,2,4-Trichlorobenzene	13.865	180	63808	10.177	ug/L	98
114) Naphthalene	14.157	128	138937	10.265	ug/L	100
115) 1,2,3-Trichlorobenzene	14.324	180	52849	10.284	ug/L	99

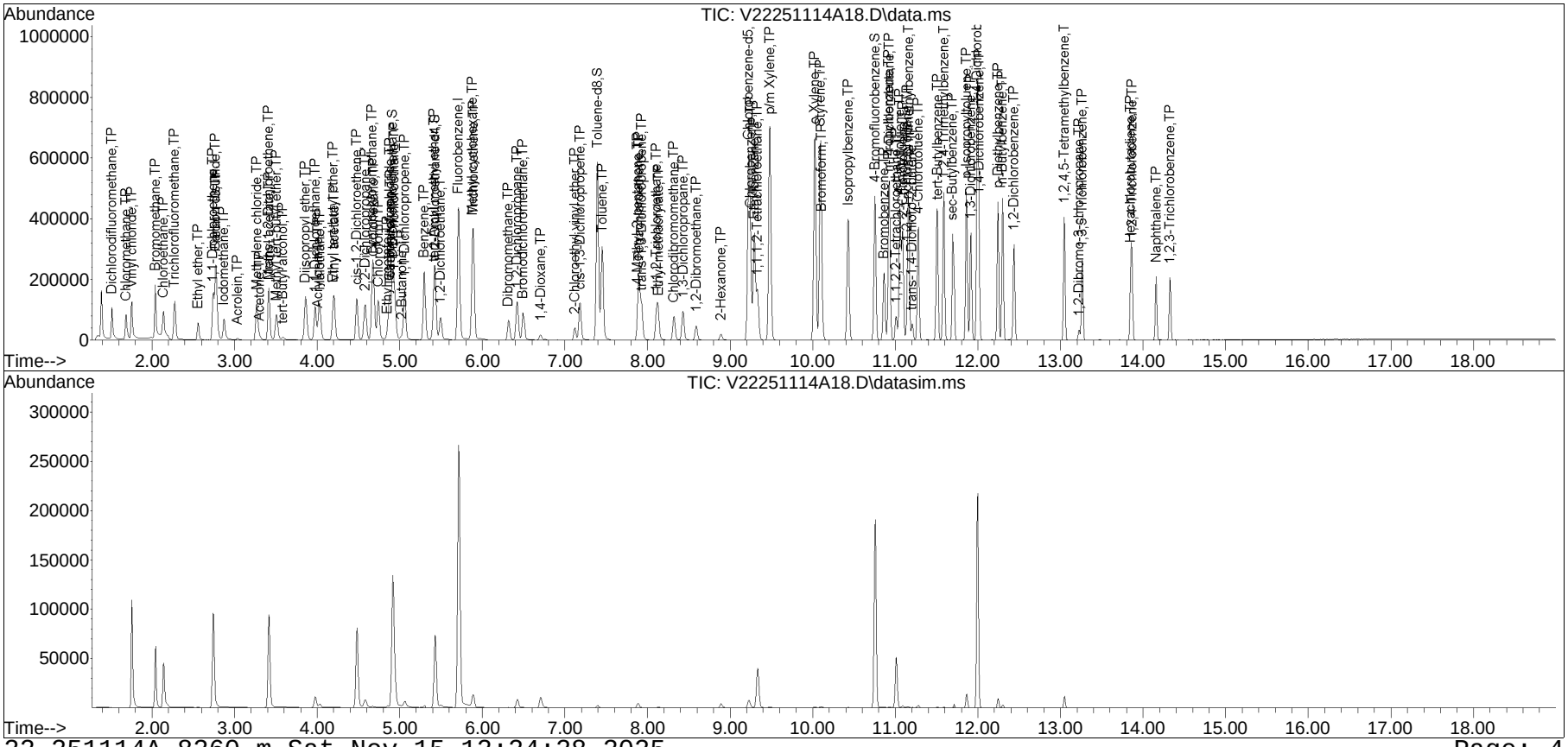
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251114AICAL\
Data File : V22251114A18.D
Acq On : 15 Nov 2025 12:37 am
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG2142111,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 15 12:04:18 2025
Quant Method : K:\VOA122\2025\251114AICAL\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

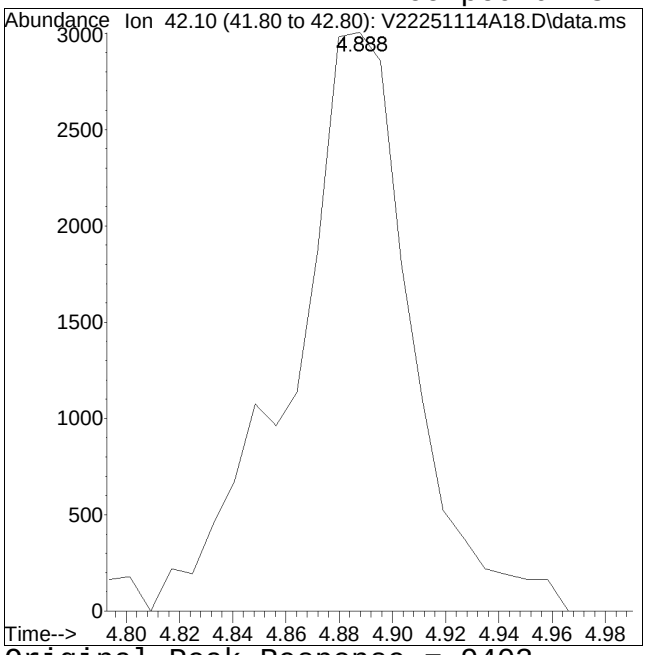
Sub List : 8260-Curve - Megamix plus Diox\V22251114A09.D•



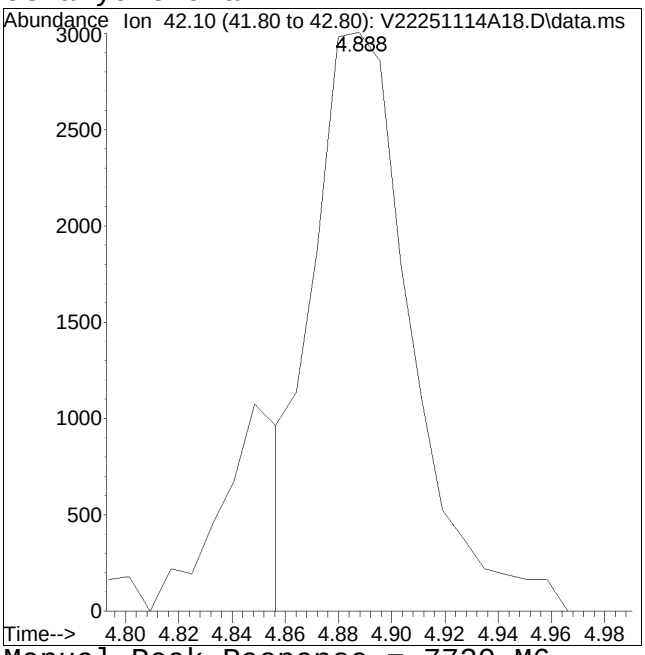
Manual Integration Report

Data Path : K:\VOA122\2025\251114AICALQMethod : V122_251114A_8260.m
Data File : V22251114A18.D Operator : VOA122:PID
Date Inj'd : 11/15/2025 12:37 am Instrument : VOA 122
Sample : C8260STD10PPB Quant Date : 11/15/2025 12:03 pm

Compound #37: Tetrahydrofuran



Original Peak Response = 9403



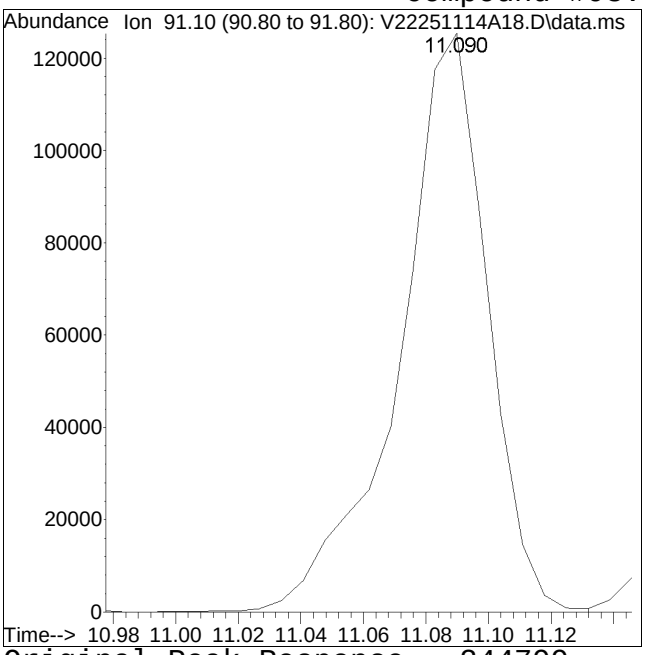
Manual Peak Response = 7720 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

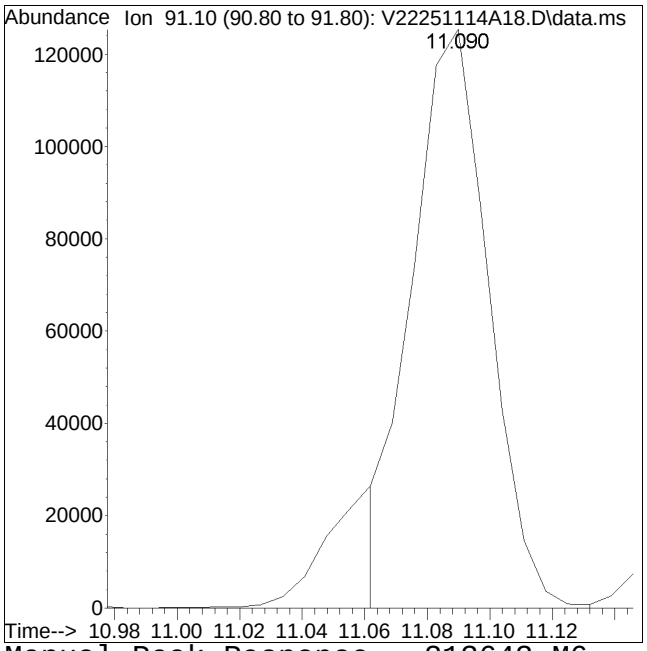
Manual Integration Report

Data Path : K:\VOA122\2025\251114AICALQMethod : V122_251114A_8260.m
Data File : V22251114A18.D Operator : VOA122:PID
Date Inj'd : 11/15/2025 12:37 am Instrument : VOA 122
Sample : C8260STD10PPB Quant Date : 11/15/2025 12:03 pm

Compound #93: 2-Chlorotoluene



Original Peak Response = 244799



Manual Peak Response = 213643 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Relative Error Report VOA 122

Method Path : K:\VOA122\2025\251114AICAL\
Method File : V122_251114A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sat Nov 15 12:03:11 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
17	TP Acetone	L	ug/L	10.0	10.116	1.2	2.00	2.006	0.3

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
17	TP Acetone	Linear	0.999445	0.000000	0.0164051	0.00357813

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576		
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000		
Instrument ID	: VOA105	**Calibration Date**	: 12/03/25 08:51		
Lab File ID	: V05251203A01	**Init. Calib. Date(s)**	: 11/07/25	11/07/25	
Sample No	: WG2149674-2	**Init. Calib. Times**	: 14:37	19:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	112	0
Dichlorodifluoromethane	0.335	0.284	-	15.2	20	95	0
Chloromethane	0.448	0.271	-	39.5*	20	65	0
Vinyl chloride	0.343	0.238	-	30.6*	20	76	0
Bromomethane	10	3.73	-	62.7*	20	47	0
Chloroethane	0.195	0.149	-	23.6*	20	80	0
Trichlorofluoromethane	0.414	0.369	-	10.9	20	95	0
Ethyl ether	0.109	0.096	-	11.9	20	96	0
1,1-Dichloroethene	0.201	0.19	-	5.5	20	103	0
Carbon disulfide	0.703	0.619	-	11.9	20	97	0
Methylene chloride	0.245	0.218	-	11	20	97	0
Acetone	0.051	0.039	-	23.5*	20	97	0
trans-1,2-Dichloroethene	0.242	0.233	-	3.7	20	104	0
Methyl tert-butyl ether	0.533	0.515	-	3.4	20	111	0
1,1-Dichloroethane	0.545	0.446	-	18.2	20	86	0
Acrylonitrile	0.07	0.057	-	18.6	20	93	0
Vinyl acetate	0.533	0.362	-	32.1*	20	83	0
cis-1,2-Dichloroethene	0.271	0.239	-	11.8	20	94	0
2,2-Dichloropropane	0.379	0.34	-	10.3	20	97	0
Bromochloromethane	0.114	0.114	-	0	20	101	0
Chloroform	0.471	0.388	-	17.6	20	89	0
Carbon tetrachloride	0.388	0.336	-	13.4	20	96	0
Dibromofluoromethane	0.276	0.27	-	2.2	20	109	0
1,1,1-Trichloroethane	0.416	0.36	-	13.5	20	93	0
2-Butanone	0.075	0.05	-	33.3*	20	81	0
1,1-Dichloropropene	0.327	0.283	-	13.5	20	94	0
Benzene	1.01	0.844	-	16.4	20	88	0
1,2-Dichloroethane-d4	0.346	0.315	-	9	20	96	0
1,2-Dichloroethane	0.363	0.287	-	20.9*	20	87	0
Trichloroethene	0.276	0.226	-	18.1	20	93	0
Dibromomethane	0.132	0.118	-	10.6	20	100	0
1,2-Dichloropropane	0.286	0.216	-	24.5*	20	83	0
Bromodichloromethane	0.343	0.291*	-	15.2	20	93	0
1,4-Dioxane	0.00115	0.00122*	-	-6.1	20	127	0
cis-1,3-Dichloropropene	10	8.174	-	18.3	20	96	0
Chlorobenzene-d5	1	1	-	0	20	119	0
Toluene-d8	1.265	1.188	-	6.1	20	110	0
Toluene	0.791	0.641	-	19	20	94	0
4-Methyl-2-pentanone	0.076	0.055	-	27.6*	20	102	0
Tetrachloroethene	0.339	0.332	-	2.1	20	112	0
trans-1,3-Dichloropropene	10	8.157	-	18.4	20	103	0
Ethyl methacrylate	0.259	0.214	-	17.4	20	112	0
1,1,2-Trichloroethane	0.185	0.16*	-	13.5	20	102	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576		
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000		
Instrument ID	: VOA105	**Calibration Date**	: 12/03/25 08:51		
Lab File ID	: V05251203A01	**Init. Calib. Date(s)**	: 11/07/25	11/07/25	
Sample No	: WG2149674-2	**Init. Calib. Times**	: 14:37	19:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Chlorodibromomethane	0.294	0.275	-	6.5	20	114	0
1,3-Dichloropropane	0.405	0.342	-	15.6	20	100	0
1,2-Dibromoethane	0.217	0.204	-	6	20	112	0
2-Hexanone	0.129	0.085	-	34.1*	20	93	0
Chlorobenzene	0.884	0.79	-	10.6	20	106	0
Ethylbenzene	1.548	1.303	-	15.8	20	96	0
1,1,1,2-Tetrachloroethane	0.318	0.295	-	7.2	20	110	0
p/m Xylene	0.576	0.522	-	9.4	20	100	0
o Xylene	0.552	0.505	-	8.5	20	103	0
Styrene	0.901	0.84	-	6.8	20	103	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	124	0
Bromoform	0.299	0.279	-	6.7	20	123	0
Isopropylbenzene	2.709	2.245	-	17.1	20	101	0
4-Bromofluorobenzene	0.858	0.799	-	6.9	20	117	0
Bromobenzene	0.632	0.59	-	6.6	20	116	0
n-Propylbenzene	3.254	2.579	-	20.7*	20	95	0
1,4-Dichlorobutane	0.871	0.626	-	28.1*	20	90	0
1,1,2,2-Tetrachloroethane	0.434	0.371	-	14.5	20	107	0
4-Ethyltoluene	2.634	2.309	-	12.3	20	104	0
2-Chlorotoluene	1.945	1.608	-	17.3	20	96	0
1,3,5-Trimethylbenzene	2.259	1.948	-	13.8	20	103	0
1,2,3-Trichloropropane	0.375	0.305	-	18.7	20	105	0
trans-1,4-Dichloro-2-buten	0.152	0.091	-	40.1*	20	74	0
4-Chlorotoluene	2.005	1.648	-	17.8	20	100	0
tert-Butylbenzene	1.944	1.699	-	12.6	20	105	0
1,2,4-Trimethylbenzene	2.169	1.872	-	13.7	20	104	0
sec-Butylbenzene	2.767	2.322	-	16.1	20	102	0
p-Isopropyltoluene	10	8.103	-	19	20	106	0
1,3-Dichlorobenzene	1.227	1.152	-	6.1	20	113	0
1,4-Dichlorobenzene	1.282	1.172	-	8.6	20	116	0
p-Diethylbenzene	1.46	1.236	-	15.3	20	111	0
n-Butylbenzene	2.096	1.679	-	19.9	20	98	0
1,2-Dichlorobenzene	1.099	1.055	-	4	20	119	0
1,2,4,5-Tetramethylbenzene	2.081	1.905	-	8.5	20	123	0
1,2-Dibromo-3-chloropropan	0.064	0.064	-	0	20	141	0
Hexachlorobutadiene	0.307	0.31	-	-1	20	132	0
1,2,4-Trichlorobenzene	0.667	0.701	-	-5.1	20	133	0
Naphthalene	1.241	1.269	-	-2.3	20	135	0
1,2,3-Trichlorobenzene	0.534	0.572	-	-7.1	20	137	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576		
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000		
Instrument ID	: VOA122	Calibration Date	: 12/05/25 12:06		
Lab File ID	: V22251205B01	Init. Calib. Date(s)	: 11/14/25	11/14/25	
Sample No	: WG2150855-2	Init. Calib. Times	: 18:51	22:33	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	76	0
Dichlorodifluoromethane	0.17	0.199	-	-17.1	20	90	0
Chloromethane	0.164	0.212	-	-29.3*	20	94	0
Vinyl chloride	0.186	0.225	-	-21*	20	85	0
Bromomethane	0.13	0.113	-	13.1	20	68	0
Chloroethane	0.142	0.173	-	-21.8*	20	92	0
Trichlorofluoromethane	0.185	0.229	-	-23.8*	20	94	0
Ethyl ether	0.051	0.052	-	-2	20	76	0
1,1-Dichloroethene	0.111	0.124	-	-11.7	20	83	0
Carbon disulfide	0.376	0.486	-	-29.3*	20	96	0
Freon-113	0.107	0.136	-	-27.1*	20	101	0
Methylene chloride	0.129	0.147	-	-14	20	85	0
Acetone	10	11.793	-	-17.9	20	87	0
trans-1,2-Dichloroethene	0.124	0.131	-	-5.6	20	79	0
Methyl acetate	0.043	0.051	-	-18.6	20	94	0
Methyl tert-butyl ether	0.228	0.202	-	11.4	20	67	0
tert-Butyl alcohol	0.00485	0.00424*	-	12.6	20	70	0
Diisopropyl ether	0.315	0.369	-	-17.1	20	91	0
1,1-Dichloroethane	0.223	0.284*	-	-27.4*	20	96	0
Halothane	0.093	0.099	-	-6.5	20	81	0
Acrylonitrile	0.024	0.029	-	-20.8*	20	97	0
Ethyl tert-butyl ether	0.28	0.269	-	3.9	20	76	0
Vinyl acetate	0.168	0.217	-	-29.2*	20	111	0
cis-1,2-Dichloroethene	0.132	0.137*	-	-3.8	20	78	0
2,2-Dichloropropane	0.173	0.209	-	-20.8*	20	92	0
Bromochloromethane	0.061	0.061*	-	0	20	74	0
Cyclohexane	0.215	0.265	-	-23.3*	20	105	0
Chloroform	0.225	0.244*	-	-8.4	20	86	0
Ethyl acetate	0.059	0.068	-	-15.3	20	90	0
Carbon tetrachloride	0.173	0.199	-	-15	20	85	0
Tetrahydrofuran	0.018	0.02	-	-11.1	20	85	0
Dibromofluoromethane	0.265	0.27	-	-1.9	20	77	0
1,1,1-Trichloroethane	0.195	0.222	-	-13.8	20	86	0
2-Butanone	0.023	0.025	-	-8.7	20	89	0
1,1-Dichloropropene	0.162	0.172	-	-6.2	20	82	0
Benzene	0.31	0.373	-	-20.3*	20	92	0
tert-Amyl methyl ether	0.24	0.191	-	20.4*	20	64	0
1,2-Dichloroethane-d4	0.256	0.295	-	-15.2	20	88	0
1,2-Dichloroethane	0.134	0.161	-	-20.1*	20	93	0
Methyl cyclohexane	0.228	0.215	-	5.7	20	87	0
Trichloroethene	0.138	0.142*	-	-2.9	20	83	0
Dibromomethane	0.062	0.066	-	-6.5	20	83	0
1,2-Dichloropropane	0.122	0.133*	-	-9	20	81	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576		
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000		
Instrument ID	: VOA122	Calibration Date	: 12/05/25 12:06		
Lab File ID	: V22251205B01	Init. Calib. Date(s)	: 11/14/25	11/14/25	
Sample No	: WG2150855-2	Init. Calib. Times	: 18:51	22:33	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.114	0.13*	-	-14	20	87	0
1,4-Dioxane	0.00073	0.00049*	-	32.9*	20	53	0
cis-1,3-Dichloropropene	0.176	0.178*	-	-1.1	20	78	0
Chlorobenzene-d5	1	1	-	0	20	72	0
Toluene-d8	1.292	1.352	-	-4.6	20	74	0
Toluene	0.396	0.437	-	-10.4	20	79	0
4-Methyl-2-pentanone	0.029	0.024*	-	17.2	20	63	0
Tetrachloroethene	0.168	0.174	-	-3.6	20	71	0
trans-1,3-Dichloropropene	0.181	0.194*	-	-7.2	20	78	0
Ethyl methacrylate	0.128	0.097	-	24.2*	20	55	0
1,1,2-Trichloroethane	0.091	0.097*	-	-6.6	20	81	0
Chlorodibromomethane	0.142	0.138*	-	2.8	20	72	0
1,3-Dichloropropane	0.18	0.195	-	-8.3	20	79	0
1,2-Dibromoethane	0.108	0.104*	-	3.7	20	70	0
2-Hexanone	0.052	0.043	-	17.3	20	58	0
Chlorobenzene	0.45	0.479	-	-6.4	20	76	0
Ethylbenzene	0.807	0.855	-	-5.9	20	75	0
1,1,1,2-Tetrachloroethane	0.154	0.154	-	0	20	74	0
p/m Xylene	0.327	0.326	-	0.3	20	71	0
o Xylene	0.316	0.304	-	3.8	20	69	0
Styrene	0.516	0.515	-	0.2	20	72	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	70	0
Bromoform	0.153	0.136	-	11.1	20	69	0
Isopropylbenzene	1.531	1.534	-	-0.2	20	70	0
4-Bromofluorobenzene	0.875	0.924	-	-5.6	20	73	0
Bromobenzene	0.334	0.323	-	3.3	20	69	0
n-Propylbenzene	1.831	1.992	-	-8.8	20	77	0
1,4-Dichlorobutane	0.346	0.428	-	-23.7*	20	94	0
1,1,2,2-Tetrachloroethane	0.227	0.263	-	-15.9	20	85	0
4-Ethyltoluene	1.511	1.596	-	-5.6	20	74	0
2-Chlorotoluene	1.045	1.147	-	-9.8	20	77	0
1,3,5-Trimethylbenzene	1.287	1.324	-	-2.9	20	72	0
1,2,3-Trichloropropane	0.18	0.211	-	-17.2	20	83	0
trans-1,4-Dichloro-2-buten	0.064	0.081	-	-26.6*	20	94	0
4-Chlorotoluene	1.091	1.171	-	-7.3	20	76	0
tert-Butylbenzene	1.104	1.072	-	2.9	20	69	0
1,2,4-Trimethylbenzene	1.248	1.273	-	-2	20	72	0
sec-Butylbenzene	0.897	1.019	-	-13.6	20	78	0
p-Isopropyltoluene	1.354	1.364	-	-0.7	20	70	0
1,3-Dichlorobenzene	0.693	0.715	-	-3.2	20	72	0
1,4-Dichlorobenzene	0.684	0.701	-	-2.5	20	72	0
p-Diethylbenzene	0.783	0.774	-	1.1	20	70	0
n-Butylbenzene	1.175	1.335	-	-13.6	20	81	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576		
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000		
Instrument ID	: VOA122	**Calibration Date**	: 12/05/25 12:06		
Lab File ID	: V22251205B01	**Init. Calib. Date(s)**	: 11/14/25	11/14/25	
Sample No	: WG2150855-2	**Init. Calib. Times**	: 18:51	22:33	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichlorobenzene	0.602	0.608	-	-1	20	72	0
1,2,4,5-Tetramethylbenzene	1.054	0.926	-	12.1	20	63	0
1,2-Dibromo-3-chloropropan	0.034	0.031	-	8.8	20	63	0
1,3,5-Trichlorobenzene	0.396	0.372	-	6.1	20	67	0
Hexachlorobutadiene	0.136	0.13	-	4.4	20	74	0
1,2,4-Trichlorobenzene	0.326	0.273*	-	16.3	20	61	0
Naphthalene	0.704	0.548	-	22.2*	20	55	0
1,2,3-Trichlorobenzene	0.267	0.223*	-	16.5	20	60	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A01.D
Acq On : 3 Dec 2025 8:51 am
Operator : VOA105:PID
Sample : WG2149674-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149674,ICAL22802 (Sig #1); WG,ICAL22802 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 03 10:40:56 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	112	0.00
2	TP	Dichlorodifluoromethane	0.335	0.284	15.2	95	0.00
3	TP	Chloromethane	0.448	0.271	39.5#	65	0.00
4	TP	Vinyl chloride	0.343	0.238	30.6#	76	0.00
5	TP	Bromomethane	* 10.000	3.730	62.7#	47#	0.00
6	TP	Chloroethane	0.195	0.149	23.6#	80	0.00
7	TP	Trichlorofluoromethane	0.414	0.369	10.9	95	0.00
8	TP	Ethyl ether	0.109	0.096	11.9	96	0.00
10	TP	1,1-Dichloroethene	0.201	0.190	5.5	103	0.00
11	TP	Carbon disulfide	0.703	0.619	11.9	97	0.00
15	TP	Methylene chloride	0.245	0.218	11.0	97	0.00
17	TP	Acetone	0.051	0.039	23.5#	97	0.00
18	TP	trans-1,2-Dichloroethene	0.242	0.233	3.7	104	0.00
20	TP	Methyl tert-butyl ether	0.533	0.515	3.4	111	0.00
23	TP	1,1-Dichloroethane	0.545	0.446	18.2	86	0.00
25	TP	Acrylonitrile	0.070	0.057	18.6	93	0.00
27	TP	Vinyl acetate	0.533	0.362	32.1#	83	0.00
28	TP	cis-1,2-Dichloroethene	0.271	0.239	11.8	94	0.00
29	TP	2,2-Dichloropropane	0.379	0.340	10.3	97	0.00
30	TP	Bromochloromethane	0.114	0.114	0.0	101	0.00
32	TP	Chloroform	0.471	0.388	17.6	89	0.00
34	TP	Carbon tetrachloride	0.388	0.336	13.4	96	0.00
36	S	Dibromofluoromethane	0.276	0.270	2.2	109	0.00
37	TP	1,1,1-Trichloroethane	0.416	0.360	13.5	93	0.00
39	TP	2-Butanone	0.075	0.050	33.3#	81	0.00
40	TP	1,1-Dichloropropene	0.327	0.283	13.5	94	0.00
41	TP	Benzene	1.010	0.844	16.4	88	0.00
43	S	1,2-Dichloroethane-d4	0.346	0.315	9.0	96	0.00
44	TP	1,2-Dichloroethane	0.363	0.287	20.9#	87	0.00
48	TP	Trichloroethene	0.276	0.226	18.1	93	0.00
50	TP	Dibromomethane	0.132	0.118	10.6	100	0.00
51	TP	1,2-Dichloropropane	0.286	0.216	24.5#	83	0.00
54	TP	Bromodichloromethane	0.343	0.291#	15.2	93	0.00
57	TP	1,4-Dioxane	0.00115	0.00122#	-6.1	127	0.00
58	TP	cis-1,3-Dichloropropene	* 10.000	8.174	18.3	96	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	119	0.00
60	S	Toluene-d8	1.265	1.188	6.1	110	0.00
61	TP	Toluene	0.791	0.641	19.0	94	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A01.D
Acq On : 3 Dec 2025 8:51 am
Operator : VOA105:PID
Sample : WG2149674-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149674,ICAL22802 (Sig #1); WG,ICAL22802 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 03 10:40:56 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
62	TP	4-Methyl-2-pentanone		0.076	0.055	27.6#	102	0.00
63	TP	Tetrachloroethene		0.339	0.332	2.1	112	0.00
65	TP	trans-1,3-Dichloropropene	*	10.000	8.157	18.4	103	0.00
67	TP	Ethyl methacrylate		0.259	0.214	17.4	112	0.00
68	TP	1,1,2-Trichloroethane		0.185	0.160#	13.5	102	0.00
69	TP	Chlorodibromomethane		0.294	0.275	6.5	114	0.00
70	TP	1,3-Dichloropropane		0.405	0.342	15.6	100	0.00
71	TP	1,2-Dibromoethane		0.217	0.204	6.0	112	0.00
72	TP	2-Hexanone		0.129	0.085	34.1#	93	0.00
73	TP	Chlorobenzene		0.884	0.790	10.6	106	0.00
74	TP	Ethylbenzene		1.548	1.303	15.8	96	0.00
75	TP	1,1,1,2-Tetrachloroethane		0.318	0.295	7.2	110	0.00
76	TP	p/m Xylene		0.576	0.522	9.4	100	0.00
77	TP	o Xylene		0.552	0.505	8.5	103	0.00
78	TP	Styrene		0.901	0.840	6.8	103	0.00
79	I	1,4-Dichlorobenzene-d4		1.000	1.000	0.0	124	0.00
80	TP	Bromoform		0.299	0.279	6.7	123	0.00
82	TP	Isopropylbenzene		2.709	2.245	17.1	101	0.00
83	S	4-Bromofluorobenzene		0.858	0.799	6.9	117	0.00
84	TP	Bromobenzene		0.632	0.590	6.6	116	0.00
85	TP	n-Propylbenzene		3.254	2.579	20.7#	95	0.00
86	TP	1,4-Dichlorobutane		0.871	0.626	28.1#	90	0.00
87	TP	1,1,2,2-Tetrachloroethane		0.434	0.371	14.5	107	0.00
88	TP	4-Ethyltoluene		2.634	2.309	12.3	104	0.00
89	TP	2-Chlorotoluene		1.945	1.608	17.3	96	0.00
90	TP	1,3,5-Trimethylbenzene		2.259	1.948	13.8	103	0.00
91	TP	1,2,3-Trichloropropane		0.375	0.305	18.7	105	0.00
92	TP	trans-1,4-Dichloro-2-butene		0.152	0.091	40.1#	74	0.00
93	TP	4-Chlorotoluene		2.005	1.648	17.8	100	0.00
94	TP	tert-Butylbenzene		1.944	1.699	12.6	105	0.00
97	TP	1,2,4-Trimethylbenzene		2.169	1.872	13.7	104	0.00
98	TP	sec-Butylbenzene		2.767	2.322	16.1	102	0.00
99	TP	p-Isopropyltoluene	*	10.000	8.103	19.0	106	0.00
100	TP	1,3-Dichlorobenzene		1.227	1.152	6.1	113	0.00
101	TP	1,4-Dichlorobenzene		1.282	1.172	8.6	116	0.00
102	TP	p-Diethylbenzene		1.460	1.236	15.3	111	0.00
103	TP	n-Butylbenzene		2.096	1.679	19.9	98	0.00
104	TP	1,2-Dichlorobenzene		1.099	1.055	4.0	119	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A01.D
Acq On : 3 Dec 2025 8:51 am
Operator : VOA105:PID
Sample : WG2149674-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149674,ICAL22802 (Sig #1); WG,ICAL22802 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 03 10:40:56 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
105 TP	1,2,4,5-Tetramethylbenzene	2.081	1.905	8.5	123	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.064	0.064	0.0	141	0.00
108 TP	Hexachlorobutadiene	0.307	0.310	-1.0	132	0.00
109 TP	1,2,4-Trichlorobenzene	0.667	0.701	-5.1	133	0.00
110 TP	Naphthalene	1.241	1.269	-2.3	135	0.00
111 TP	1,2,3-Trichlorobenzene	0.534	0.572	-7.1	137	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A01.D
Acq On : 3 Dec 2025 8:51 am
Operator : VOA105:PID
Sample : WG2149674-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149674,ICAL22802 (Sig #1); WG,ICAL22802 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 03 10:40:56 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.506	96	383158	10.000	ug/L	0.00
59) Chlorobenzene-d5	8.985	117	313563	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	11.790	152	191277	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.732	113	103547	9.798	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.98%			
43) 1,2-Dichloroethane-d4	5.238	65	120553	9.106	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.06%			
60) Toluene-d8	7.165	98	372443	9.392	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.92%			
83) 4-Bromofluorobenzene	10.531	95	152853	9.315	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.15%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.431	85	108694	8.456	ug/L	98
3) Chloromethane	1.602	50	103850	6.045	ug/L	99
4) Vinyl chloride	1.657	62	91122	6.941	ug/L	90
5) Bromomethane	1.925	94	17473	3.730	ug/L	98
6) Chloroethane	2.021	64	57166	7.653	ug/L	98
7) Trichlorofluoromethane	2.145	101	141254	8.913	ug/L	99
8) Ethyl ether	2.419	74	36663	8.813	ug/L	84
10) 1,1-Dichloroethene	2.591	96	72621	9.431	ug/L	81
11) Carbon disulfide	2.618	76	237254	8.802	ug/L	99
15) Methylene chloride	3.112	84	83496	8.897	ug/L	79
17) Acetone	3.174	43	14991	7.670	ug/L	99
18) trans-1,2-Dichloroethene	3.250	96	89171	9.623	ug/L	87
20) Methyl tert-butyl ether	3.346	73	197360	9.669	ug/L	89
23) 1,1-Dichloroethane	3.806	63	170767	8.178	ug/L	98
25) Acrylonitrile	3.874	53	21812	8.168	ug/L	95
27) Vinyl acetate	4.039	43	138831M6	6.794	ug/L	
28) cis-1,2-Dichloroethene	4.307	96	91463	8.811	ug/L	87
29) 2,2-Dichloropropane	4.389	77	130092	8.952	ug/L	87
30) Bromochloromethane	4.492	128	43636	9.956	ug/L #	68
32) Chloroform	4.561	83	148811	8.246	ug/L	95
34) Carbon tetrachloride	4.670	117	128788	8.667	ug/L	98
37) 1,1,1-Trichloroethane	4.739	97	138037	8.659	ug/L	95
39) 2-Butanone	4.863	43	19184	6.654	ug/L	92
40) 1,1-Dichloropropene	4.863	75	108339	8.648	ug/L	96
41) Benzene	5.097	78	323443	8.359	ug/L	94

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A01.D
Acq On : 3 Dec 2025 8:51 am
Operator : VOA105:PID
Sample : WG2149674-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149674,ICAL22802 (Sig #1); WG,ICAL22802 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 03 10:40:56 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 1,2-Dichloroethane	5.309	62	110060	7.923	ug/L		98
48) Trichloroethene	5.683	95	86502	8.188	ug/L		94
50) Dibromomethane	6.120	93	45301	8.969	ug/L	#	87
51) 1,2-Dichloropropane	6.212	63	82671	7.541	ug/L		96
54) Bromodichloromethane	6.297	83	111340	8.472	ug/L		99
57) 1,4-Dioxane	6.508	88	23425	531.723	ug/L	#	84
58) cis-1,3-Dichloropropene	6.974	75	120535	8.174	ug/L		89
61) Toluene	7.221	92	200930	8.101	ug/L		99
62) 4-Methyl-2-pentanone	7.665	58	17243	7.253	ug/L	#	81
63) Tetrachloroethene	7.658	166	104097	9.791	ug/L		92
65) trans-1,3-Dichloropropene	7.715	75	106038	8.157	ug/L		88
67) Ethyl methacrylate	7.905	69	67113	8.260	ug/L		99
68) 1,1,2-Trichloroethane	7.898	83	50076	8.637	ug/L		95
69) Chlorodibromomethane	8.096	129	86134	9.342	ug/L		98
70) 1,3-Dichloropropane	8.209	76	107153	8.432	ug/L		99
71) 1,2-Dibromoethane	8.364	107	64086	9.426	ug/L		100
72) 2-Hexanone	8.674	43	26782	6.606	ug/L	#	90
73) Chlorobenzene	9.006	112	247731	8.939	ug/L		93
74) Ethylbenzene	9.041	91	408714	8.421	ug/L		97
75) 1,1,1,2-Tetrachloroethane	9.091	131	92467	9.267	ug/L		99
76) p/m Xylene	9.225	106	327365	18.140	ug/L		96
77) o Xylene	9.775	106	316516	18.296	ug/L		95
78) Styrene	9.846	104	527080	18.651	ug/L		97
80) Bromoform	9.874	173	53443	9.333	ug/L		98
82) Isopropylbenzene	10.178	105	429389	8.286	ug/L		98
84) Bromobenzene	10.644	156	112870	9.334	ug/L		96
85) n-Propylbenzene	10.694	91	493373	7.926	ug/L		96
86) 1,4-Dichlorobutane	10.722	55	119681	7.180	ug/L		98
87) 1,1,2,2-Tetrachloroethane	10.807	83	70932	8.542	ug/L		98
88) 4-Ethyltoluene	10.828	105	441632	8.766	ug/L		98
89) 2-Chlorotoluene	10.864	91	307538M6	8.267	ug/L		
90) 1,3,5-Trimethylbenzene	10.934	105	372563	8.621	ug/L		98
91) 1,2,3-Trichloropropane	10.941	75	58371M1	8.137	ug/L		
92) trans-1,4-Dichloro-2-b...	11.005	53	17332	5.963	ug/L	#	84
93) 4-Chlorotoluene	11.062	91	315240	8.221	ug/L		96
94) tert-Butylbenzene	11.281	119	324971	8.742	ug/L		96
97) 1,2,4-Trimethylbenzene	11.373	105	358120	8.632	ug/L		98
98) sec-Butylbenzene	11.479	105	444066	8.389	ug/L		99
99) p-Isopropyltoluene	11.642	119	403378	8.103	ug/L		97
100) 1,3-Dichlorobenzene	11.712	146	220292	9.384	ug/L		98
101) 1,4-Dichlorobenzene	11.811	146	224128	9.137	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A01.D
Acq On : 3 Dec 2025 8:51 am
Operator : VOA105:PID
Sample : WG2149674-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149674,ICAL22802 (Sig #1); WG,ICAL22802 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 03 10:40:56 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102)	p-Diethylbenzene	12.031	119	236485	8.467	ug/L	98
103)	n-Butylbenzene	12.087	91	321219	8.012	ug/L	98
104)	1,2-Dichlorobenzene	12.243	146	201877	9.602	ug/L	98
105)	1,2,4,5-Tetramethylben...	12.837	119	364327	9.153	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.035	155	12337	10.145	ug/L	98
108)	Hexachlorobutadiene	13.643	225	59211	10.074	ug/L	99
109)	1,2,4-Trichlorobenzene	13.665	180	134116	10.512	ug/L	98
110)	Naphthalene	13.962	128	242763	10.226	ug/L	100
111)	1,2,3-Trichlorobenzene	14.132	180	109437	10.717	ug/L	98

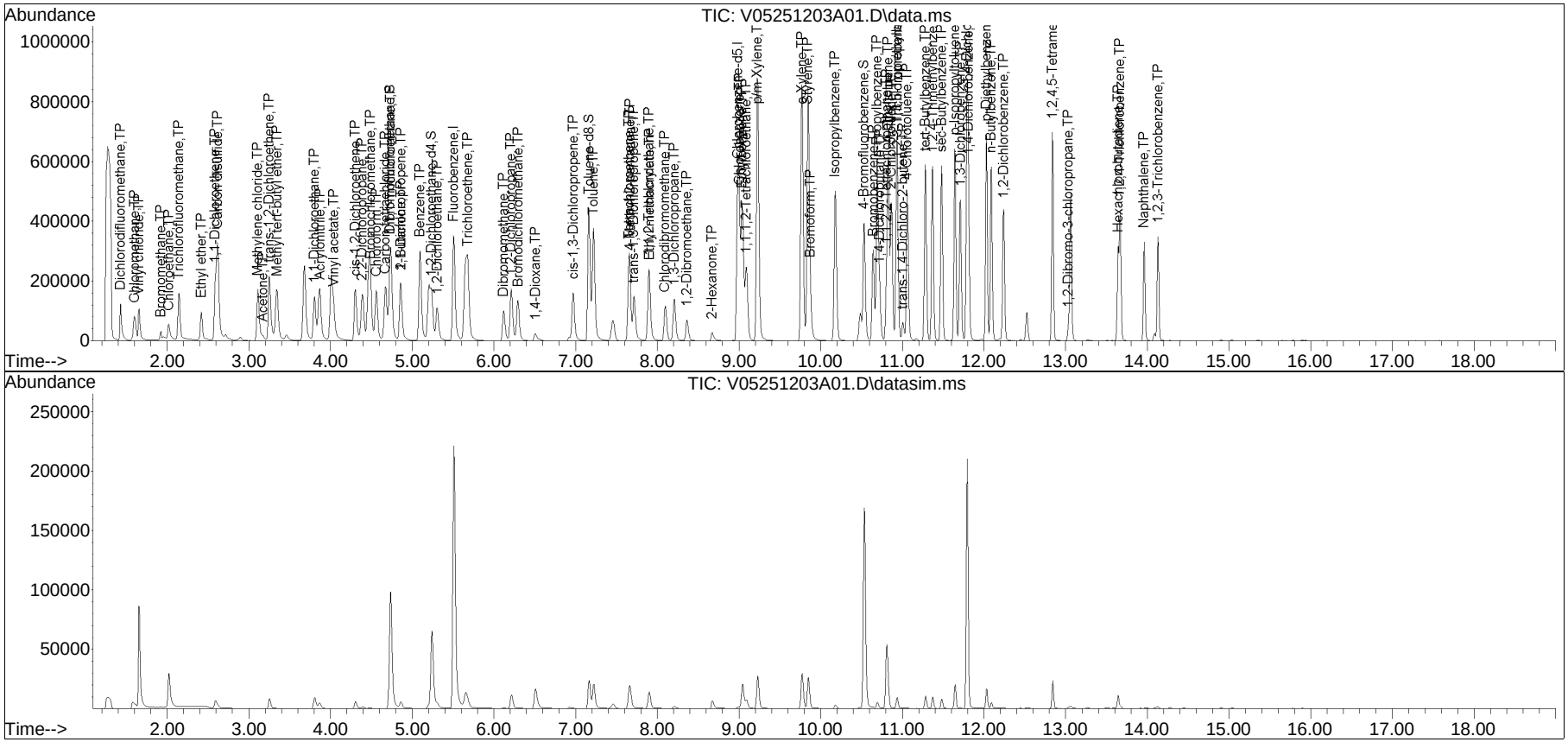
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A01.D
Acq On : 3 Dec 2025 8:51 am
Operator : VOA105:PID
Sample : WG2149674-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149674,ICAL22802 (Sig #1); WG,ICAL22802 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 03 10:40:56 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

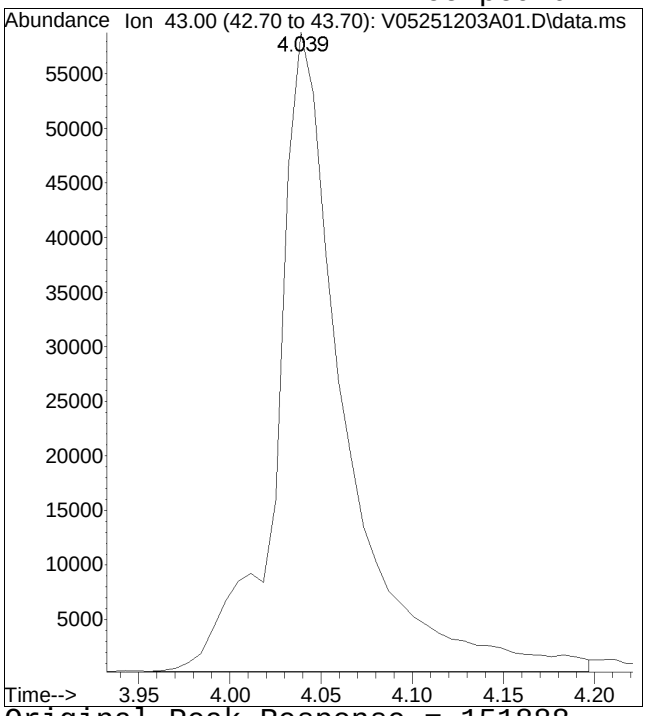
Sub List : 8260-NYTCL - Megamix plus Diox



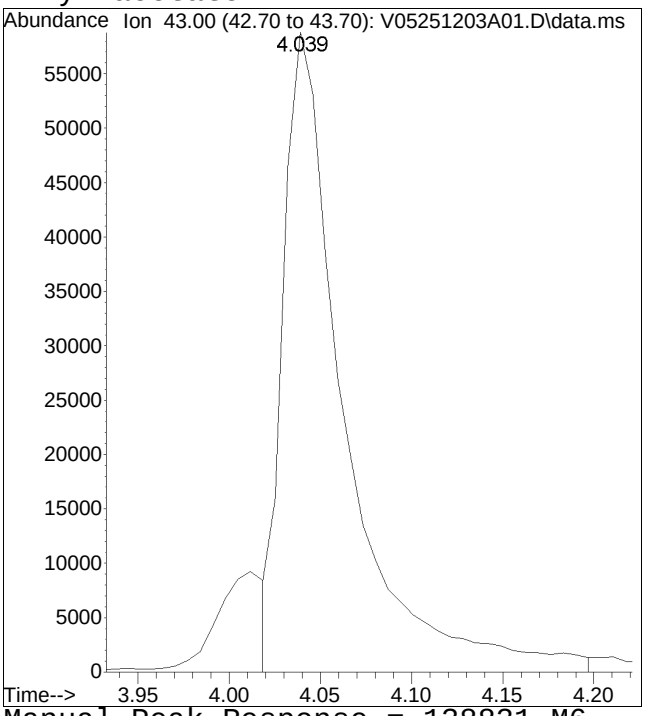
Manual Integration Report

Data Path	: K:\VOA105\2025\251203A\	QMethod	: V105_251107A_8260.m
Data File	: V05251203A01.D	Operator	: VOA105:PID
Date Inj'd	: 12/3/2025 8:51 am	Instrument	: VOA105
Sample	: WG2149674-2	Quant Date	: 12/3/2025 9:21 am

Compound #27: Vinyl acetate



Original Peak Response = 151888



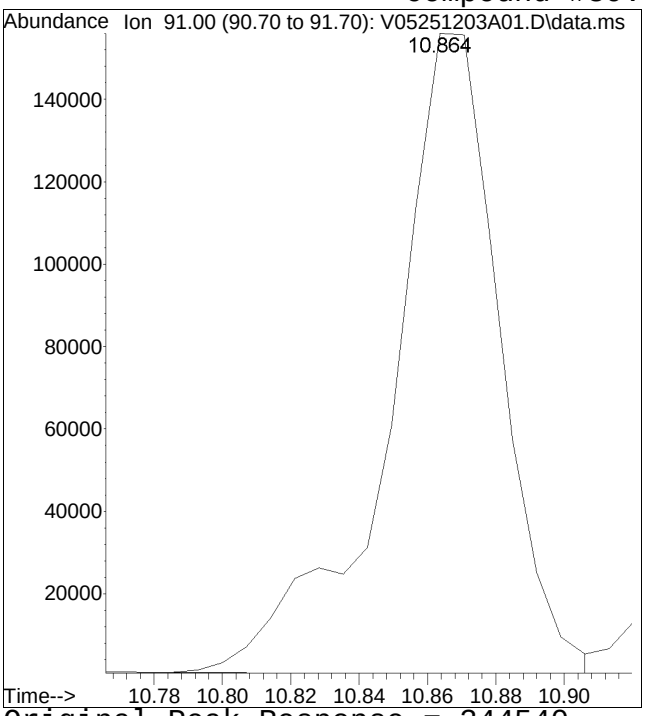
Manual Peak Response = 138831 M6

M6 = Misassignment of peak valley

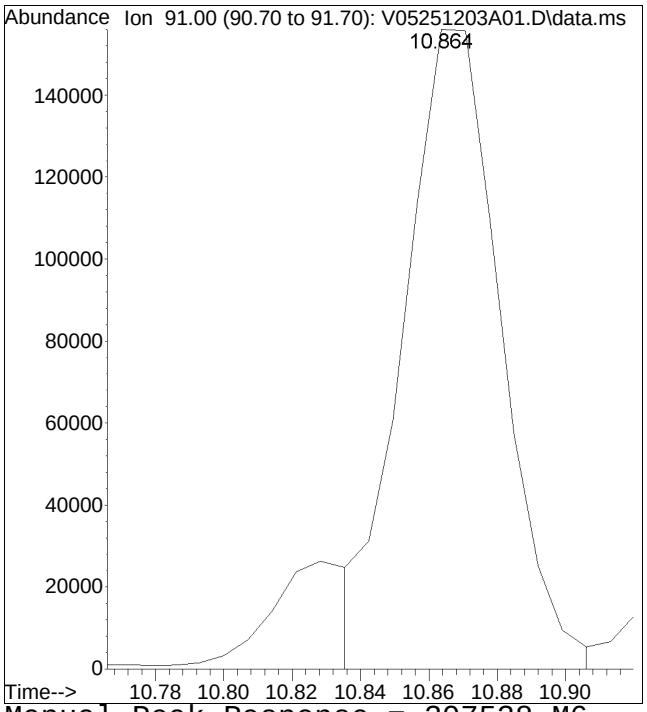
Manual Integration Report

Data Path	: K:\VOA105\2025\251203A\	QMethod	: V105_251107A_8260.m
Data File	: V05251203A01.D	Operator	: VOA105:PID
Date Inj'd	: 12/3/2025 8:51 am	Instrument	: VOA105
Sample	: WG2149674-2	Quant Date	: 12/3/2025 9:21 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 344540



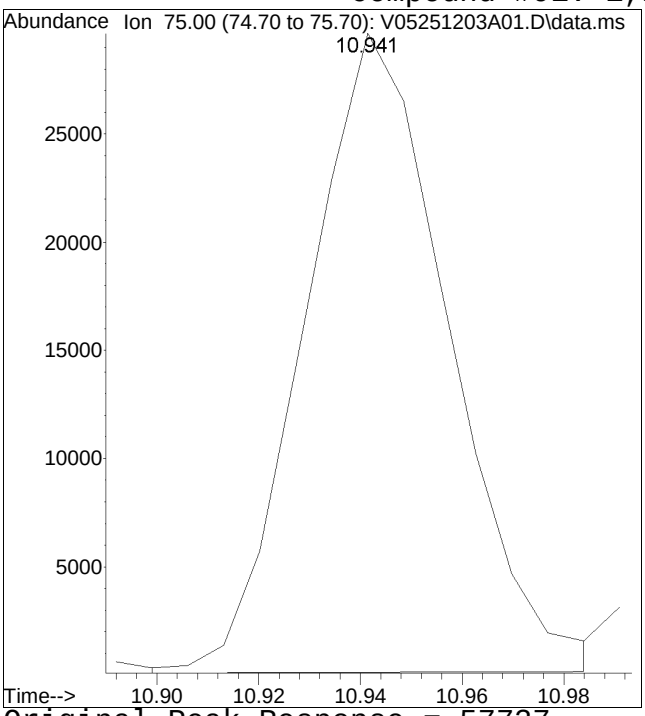
Manual Peak Response = 307538 M6

M6 = Misassignment of peak valley

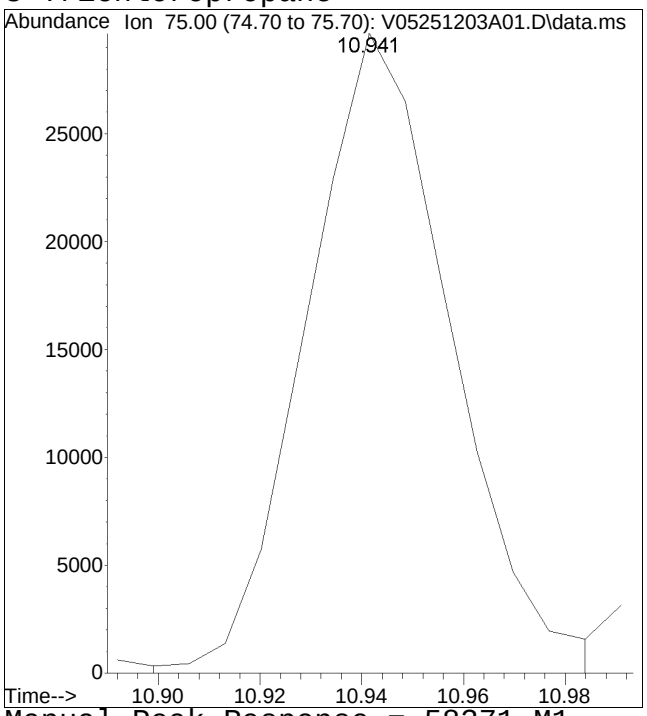
Manual Integration Report

Data Path	: K:\VOA105\2025\251203A\	QMethod	: V105_251107A_8260.m
Data File	: V05251203A01.D	Operator	: VOA105:PID
Date Inj'd	: 12/3/2025 8:51 am	Instrument	: VOA105
Sample	: WG2149674-2	Quant Date	: 12/3/2025 9:21 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 57737



Manual Peak Response = 58371 M1

M1 = Peak Integration was less than it should be

Evaluate Continuing Calibration Report

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B01.D
Acq On : 05 Dec 2025 12:06 pm
Operator : VOA122:PID
Sample : WG2150855-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 05 12:48:32 2025
Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	76	0.00
2	TP	Dichlorodifluoromethane	0.170	0.199	-17.1	90	0.00
3	TP	Chloromethane	0.164	0.212	-29.3#	94	0.00
4	TP	Vinyl chloride	0.186	0.225	-21.0#	85	0.00
5	TP	Bromomethane	0.130	0.113	13.1	68	0.00
6	TP	Chloroethane	0.142	0.173	-21.8#	92	0.00
7	TP	Trichlorofluoromethane	0.185	0.229	-23.8#	94	0.00
8	TP	Ethyl ether	0.051	0.052	-2.0	76	0.00
10	TP	1,1-Dichloroethene	0.111	0.124	-11.7	83	0.00
11	TP	Carbon disulfide	0.376	0.486	-29.3#	96	0.00
12	TP	Freon-113	0.107	0.136	-27.1#	101	0.00
15	TP	Methylene chloride	0.129	0.147	-14.0	85	0.00
17	TP	Acetone	* 10.000	11.793	-17.9	87	0.00
18	TP	trans-1,2-Dichloroethene	0.124	0.131	-5.6	79	0.00
19	TP	Methyl acetate	0.043	0.051	-18.6	94	0.00
21	TP	Methyl tert-butyl ether	0.228	0.202	11.4	67	0.00
22	TP	tert-Butyl alcohol	0.00485	0.00424#	12.6	70	0.00
24	TP	Diisopropyl ether	0.315	0.369	-17.1	91	0.00
25	TP	1,1-Dichloroethane	0.223	0.284#	-27.4#	96	0.00
26	TP	Halothane	0.093	0.099	-6.5	81	0.00
27	TP	Acrylonitrile	0.024	0.029	-20.8#	97	0.00
28	TP	Ethyl tert-butyl ether	0.280	0.269	3.9	76	0.00
29	TP	Vinyl acetate	0.168	0.217	-29.2#	111	0.00
30	TP	cis-1,2-Dichloroethene	0.132	0.137#	-3.8	78	0.00
31	TP	2,2-Dichloropropane	0.173	0.209	-20.8#	92	0.00
32	TP	Bromochloromethane	0.061	0.061#	0.0	74	0.00
33	TP	Cyclohexane	0.215	0.265	-23.3#	105	0.00
34	TP	Chloroform	0.225	0.244#	-8.4	86	0.00
35	TP	Ethyl acetate	0.059	0.068	-15.3	90	0.00
36	TP	Carbon tetrachloride	0.173	0.199	-15.0	85	0.00
37	TP	Tetrahydrofuran	0.018	0.020	-11.1	85	0.00
38	S	Dibromofluoromethane	0.265	0.270	-1.9	77	0.00
39	TP	1,1,1-Trichloroethane	0.195	0.222	-13.8	86	0.00
41	TP	2-Butanone	0.023	0.025	-8.7	89	0.00
42	TP	1,1-Dichloropropene	0.162	0.172	-6.2	82	0.00
44	TP	Benzene	0.310	0.373	-20.3#	92	0.00
45	TP	tert-Amyl methyl ether	0.240	0.191	20.4#	64	0.00
46	S	1,2-Dichloroethane-d4	0.256	0.295	-15.2	88	0.00
47	T	1,2-Dichloroethane	0.134	0.161	-20.1#	93	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B01.D
Acq On : 05 Dec 2025 12:06 pm
Operator : VOA122:PID
Sample : WG2150855-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 05 12:48:32 2025
Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
50	TP	Methyl cyclohexane	0.228	0.215	5.7	87	0.00
51	TP	Trichloroethene	0.138	0.142#	-2.9	83	0.00
53	TP	Dibromomethane	0.062	0.066	-6.5	83	0.00
54	TP	1,2-Dichloropropane	0.122	0.133#	-9.0	81	0.00
57	TP	Bromodichloromethane	0.114	0.130#	-14.0	87	0.00
60	TP	1,4-Dioxane	0.00073	0.00049#	32.9#	53	0.00
61	TP	cis-1,3-Dichloropropene	0.176	0.178#	-1.1	78	0.00
62	I	Chlorobenzene-d5	1.000	1.000	0.0	72	0.00
63	S	Toluene-d8	1.292	1.352	-4.6	74	0.00
64	TP	Toluene	0.396	0.437	-10.4	79	0.00
65	TP	4-Methyl-2-pentanone	0.029	0.024#	17.2	63	0.00
66	TP	Tetrachloroethene	0.168	0.174	-3.6	71	0.00
68	TP	trans-1,3-Dichloropropene	0.181	0.194#	-7.2	78	0.00
70	TP	Ethyl methacrylate	0.128	0.097	24.2#	55	0.00
71	TP	1,1,2-Trichloroethane	0.091	0.097#	-6.6	81	0.00
72	TP	Chlorodibromomethane	0.142	0.138#	2.8	72	0.00
73	TP	1,3-Dichloropropane	0.180	0.195	-8.3	79	0.00
74	TP	1,2-Dibromoethane	0.108	0.104#	3.7	70	0.00
76	TP	2-Hexanone	0.052	0.043	17.3	58	0.00
77	TP	Chlorobenzene	0.450	0.479	-6.4	76	0.00
78	TP	Ethylbenzene	0.807	0.855	-5.9	75	0.00
79	TP	1,1,1,2-Tetrachloroethane	0.154	0.154	0.0	74	0.00
80	TP	p/m Xylene	0.327	0.326	0.3	71	0.00
81	TP	o Xylene	0.316	0.304	3.8	69	0.00
82	TP	Styrene	0.516	0.515	0.2	72	0.00
83	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	70	0.00
84	TP	Bromoform	0.153	0.136	11.1	69	0.00
86	TP	Isopropylbenzene	1.531	1.534	-0.2	70	0.00
87	S	4-Bromofluorobenzene	0.875	0.924	-5.6	73	0.00
88	TP	Bromobenzene	0.334	0.323	3.3	69	0.00
89	TP	n-Propylbenzene	1.831	1.992	-8.8	77	0.00
90	TP	1,4-Dichlorobutane	0.346	0.428	-23.7#	94	0.00
91	TP	1,1,2,2-Tetrachloroethane	0.227	0.263	-15.9	85	0.00
92	TP	4-Ethyltoluene	1.511	1.596	-5.6	74	0.00
93	TP	2-Chlorotoluene	1.045	1.147	-9.8	77	0.00
94	TP	1,3,5-Trimethylbenzene	1.287	1.324	-2.9	72	0.00
95	TP	1,2,3-Trichloropropane	0.180	0.211	-17.2	83	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B01.D
Acq On : 05 Dec 2025 12:06 pm
Operator : VOA122:PID
Sample : WG2150855-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 05 12:48:32 2025
Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96	TP	trans-1,4-Dichloro-2-butene	0.064	0.081	-26.6#	94	0.00
97	TP	4-Chlorotoluene	1.091	1.171	-7.3	76	0.00
98	TP	tert-Butylbenzene	1.104	1.072	2.9	69	0.00
101	TP	1,2,4-Trimethylbenzene	1.248	1.273	-2.0	72	0.00
102	TP	sec-Butylbenzene	0.897	1.019	-13.6	78	0.00
103	TP	p-Isopropyltoluene	1.354	1.364	-0.7	70	0.00
104	TP	1,3-Dichlorobenzene	0.693	0.715	-3.2	72	0.00
105	TP	1,4-Dichlorobenzene	0.684	0.701	-2.5	72	0.00
106	TP	p-Diethylbenzene	0.783	0.774	1.1	70	0.00
107	TP	n-Butylbenzene	1.175	1.335	-13.6	81	0.00
108	TP	1,2-Dichlorobenzene	0.602	0.608	-1.0	72	0.00
109	TP	1,2,4,5-Tetramethylbenzene	1.054	0.926	12.1	63	0.00
110	TP	1,2-Dibromo-3-chloropropane	0.034	0.031	8.8	63	0.00
111	TP	1,3,5-Trichlorobenzene	0.396	0.372	6.1	67	0.00
112	TP	Hexachlorobutadiene	0.136	0.130	4.4	74	0.00
113	TP	1,2,4-Trichlorobenzene	0.326	0.273#	16.3	61	0.00
114	TP	Naphthalene	0.704	0.548	22.2#	55	0.00
115	TP	1,2,3-Trichlorobenzene	0.267	0.223#	16.5	60	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 17 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B01.D
Acq On : 05 Dec 2025 12:06 pm
Operator : VOA122:PID
Sample : WG2150855-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 05 12:48:32 2025
Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.709	96	330379	10.000	ug/L	0.00
62) Chlorobenzene-d5	9.225	117	247058	10.000	ug/L	0.00
83) 1,4-Dichlorobenzene-d4	11.993	152	132762	10.000	ug/L	0.00
System Monitoring Compounds						
38) Dibromofluoromethane	4.911	113	89320	10.183	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.83%			
46) 1,2-Dichloroethane-d4	5.423	65	97456	11.508	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 115.08%			
63) Toluene-d8	7.388	98	333975	10.460	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.60%			
87) 4-Bromofluorobenzene	10.754	95	122634	10.551	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.51%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.514	85	65606	11.688	ug/L	99
3) Chloromethane	1.687	50	70027	12.903	ug/L	98
4) Vinyl chloride	1.758	62	74260	12.101	ug/L	98
5) Bromomethane	2.040	94	37219	8.637	ug/L	99
6) Chloroethane	2.142	64	57038	12.201	ug/L	96
7) Trichlorofluoromethane	2.275	101	75776	12.370	ug/L	98
8) Ethyl ether	2.558	74	17090	10.147	ug/L #	79
10) 1,1-Dichloroethene	2.746	96	41095	11.211	ug/L	83
11) Carbon disulfide	2.770	76	160716	12.952	ug/L	99
12) Freon-113	2.777	101	44821	12.689	ug/L	94
15) Methylene chloride	3.264	84	48569	11.397	ug/L	79
17) Acetone	3.303	43	7574	11.793	ug/L	93
18) trans-1,2-Dichloroethene	3.413	96	43302	10.576	ug/L	87
19) Methyl acetate	3.421	43	17013	12.074	ug/L #	94
21) Methyl tert-butyl ether	3.507	73	66651	8.850	ug/L #	84
22) tert-Butyl alcohol	3.586	59	6997	43.682	ug/L #	76
24) Diisopropyl ether	3.860	45	122019	11.713	ug/L	93
25) 1,1-Dichloroethane	3.970	63	93931	12.743	ug/L	97
26) Halothane	4.025	117	32639	10.584	ug/L	100
27) Acrylonitrile	4.009	53	9743	12.231	ug/L	97
28) Ethyl tert-butyl ether	4.198	59	88852	9.619	ug/L #	82
29) Vinyl acetate	4.205	43	71582	12.913	ug/L	96
30) cis-1,2-Dichloroethene	4.480	96	45262	10.415	ug/L	88
31) 2,2-Dichloropropane	4.582	77	69198	12.088	ug/L	88
32) Bromochloromethane	4.668	128	20098	10.011	ug/L #	69

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B01.D
Acq On : 05 Dec 2025 12:06 pm
Operator : VOA122:PID
Sample : WG2150855-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 05 12:48:32 2025
Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
33) Cyclohexane	4.676	56	87489	12.342	ug/L		85
34) Chloroform	4.739	83	80654	10.867	ug/L		95
35) Ethyl acetate	4.849	43	22402	11.569	ug/L		97
36) Carbon tetrachloride	4.880	117	65692	11.495	ug/L		99
37) Tetrahydrofuran	4.888	42	6556M6	10.728	ug/L		
39) 1,1,1-Trichloroethane	4.935	97	73448	11.416	ug/L		94
41) 2-Butanone	5.021	43	8395M6	11.119	ug/L		
42) 1,1-Dichloropropene	5.053	75	56946	10.655	ug/L		97
44) Benzene	5.296	78	123237	12.017	ug/L		95
45) tert-Amyl methyl ether	5.409	73	63207	7.981	ug/L	#	84
47) 1,2-Dichloroethane	5.493	62	53141	11.961	ug/L		98
50) Methyl cyclohexane	5.884	83	70892	9.410	ug/L	#	79
51) Trichloroethene	5.884	95	46796	10.297	ug/L		91
53) Dibromomethane	6.310	93	21809	10.585	ug/L	#	85
54) 1,2-Dichloropropane	6.422	63	44096	10.909	ug/L		98
57) Bromodichloromethane	6.491	83	42857	11.352	ug/L		98
60) 1,4-Dioxane	6.700	88	8072	333.145	ug/L	#	79
61) cis-1,3-Dichloropropene	7.179	75	58890	10.146	ug/L	#	88
64) Toluene	7.450	92	107972	11.032	ug/L		100
65) 4-Methyl-2-pentanone	7.881	58	6041	8.556	ug/L		77
66) Tetrachloroethene	7.895	166	42957	10.355	ug/L		93
68) trans-1,3-Dichloropropene	7.923	75	47890	10.713	ug/L		92
70) Ethyl methacrylate	8.132	69	24035	7.573	ug/L		84
71) 1,1,2-Trichloroethane	8.111	83	23850	10.641	ug/L		96
72) Chlorodibromomethane	8.319	129	34001	9.699	ug/L		98
73) 1,3-Dichloropropane	8.424	76	48136	10.833	ug/L		99
74) 1,2-Dibromoethane	8.583	107	25608	9.618	ug/L		98
76) 2-Hexanone	8.882	43	10667	8.320	ug/L		96
77) Chlorobenzene	9.246	112	118299	10.637	ug/L		96
78) Ethylbenzene	9.288	91	211248	10.589	ug/L		98
79) 1,1,1,2-Tetrachloroethane	9.330	131	38012	10.010	ug/L		100
80) p/m Xylene	9.477	106	160938	19.908	ug/L		96
81) o Xylene	10.024	106	150322	19.260	ug/L		94
82) Styrene	10.094	104	254403	19.965	ug/L		95
84) Bromoform	10.108	173	18012	8.847	ug/L		100
86) Isopropylbenzene	10.431	105	203692	10.024	ug/L		98
88) Bromobenzene	10.866	156	42864	9.662	ug/L		98
89) n-Propylbenzene	10.922	91	264445	10.876	ug/L		96
90) 1,4-Dichlorobutane	10.929	55	56852	12.368	ug/L		99
91) 1,1,2,2-Tetrachloroethane	11.006	83	34913	11.570	ug/L		99
92) 4-Ethyltoluene	11.055	105	211826	10.563	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B01.D
Acq On : 05 Dec 2025 12:06 pm
Operator : VOA122:PID
Sample : WG2150855-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 05 12:48:32 2025
Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
93) 2-Chlorotoluene	11.083	91	152224M6	10.975	ug/L		
94) 1,3,5-Trimethylbenzene	11.160	105	175724	10.284	ug/L		96
95) 1,2,3-Trichloropropane	11.146	75	28002	11.712	ug/L		95
96) trans-1,4-Dichloro-2-b...	11.202	53	10742	12.604	ug/L	#	83
97) 4-Chlorotoluene	11.272	91	155464	10.730	ug/L		95
98) tert-Butylbenzene	11.504	119	142294	9.707	ug/L		97
101) 1,2,4-Trimethylbenzene	11.581	105	168985	10.201	ug/L		96
102) sec-Butylbenzene	11.693	105	135333	11.360	ug/L		98
103) p-Isopropyltoluene	11.860	119	181112	10.075	ug/L		98
104) 1,3-Dichlorobenzene	11.909	146	94914	10.313	ug/L		99
105) 1,4-Dichlorobenzene	12.007	146	93076	10.255	ug/L		98
106) p-Diethylbenzene	12.243	119	102776	9.888	ug/L		97
107) n-Butylbenzene	12.299	91	177175	11.359	ug/L		97
108) 1,2-Dichlorobenzene	12.431	146	80675	10.093	ug/L		98
109) 1,2,4,5-Tetramethylben...	13.044	119	122892	8.785	ug/L		98
110) 1,2-Dibromo-3-chloropr...	13.225	155	4149	9.150	ug/L		100
111) 1,3,5-Trichlorobenzene	13.259	180	49353	9.391	ug/L		96
112) Hexachlorobutadiene	13.851	225	17208	9.550	ug/L		98
113) 1,2,4-Trichlorobenzene	13.865	180	36178	8.354	ug/L		98
114) Naphthalene	14.157	128	72698	7.776	ug/L		100
115) 1,2,3-Trichlorobenzene	14.325	180	29609	8.342	ug/L		99

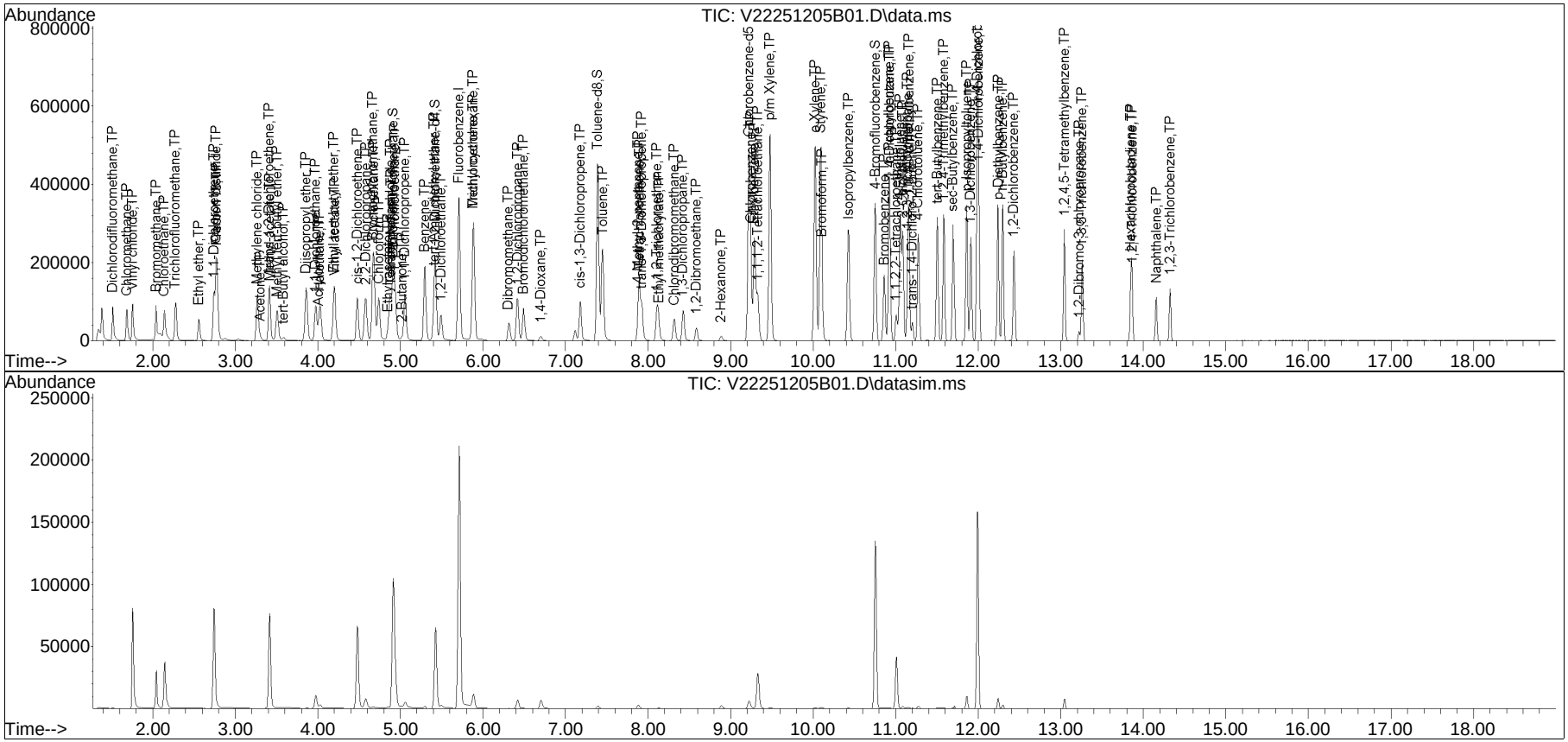
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B01.D
Acq On : 05 Dec 2025 12:06 pm
Operator : VOA122:PID
Sample : WG2150855-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 05 12:48:32 2025
Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

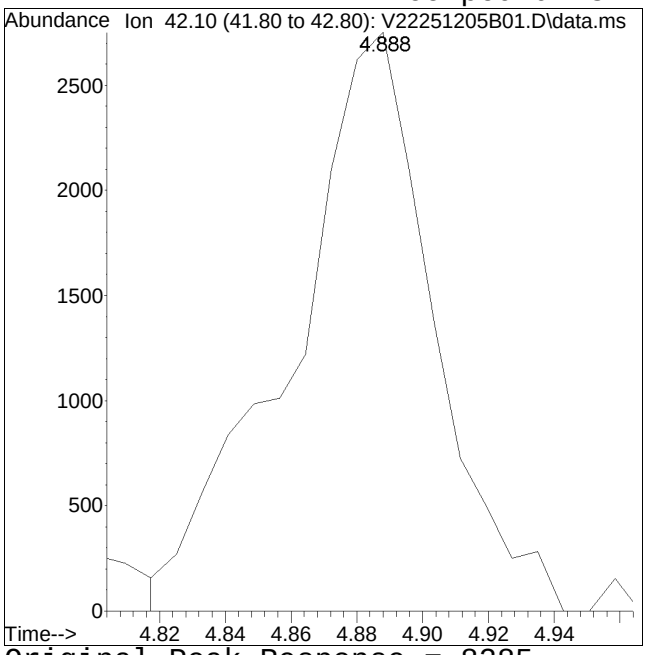
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve



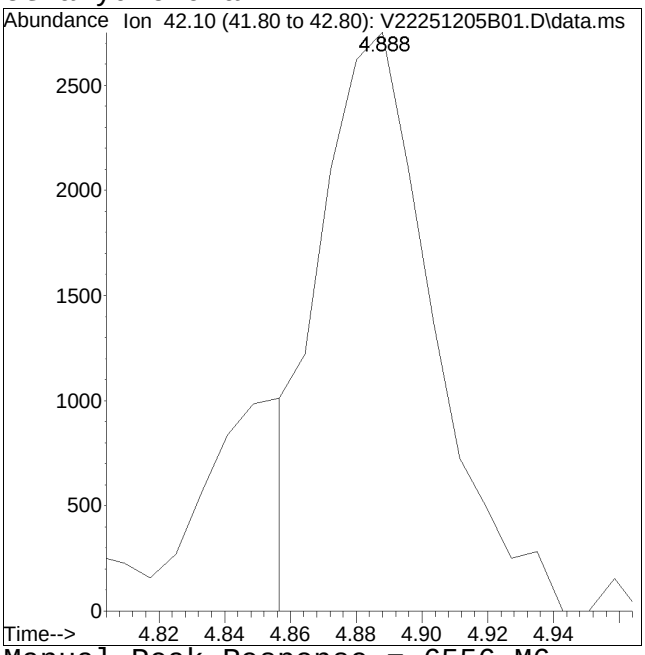
Manual Integration Report

Data Path	: K:\VOA122\2025\251205B\	QMethod	: V122_251114A_8260.m
Data File	: V22251205B01.D	Operator	: VOA122:PID
Date Inj'd	: 12/5/2025 12:06 pm	Instrument	: VOA 122
Sample	: WG2150855-2	Quant Date	: 12/5/2025 12:45 pm

Compound #37: Tetrahydrofuran



Original Peak Response = 8285



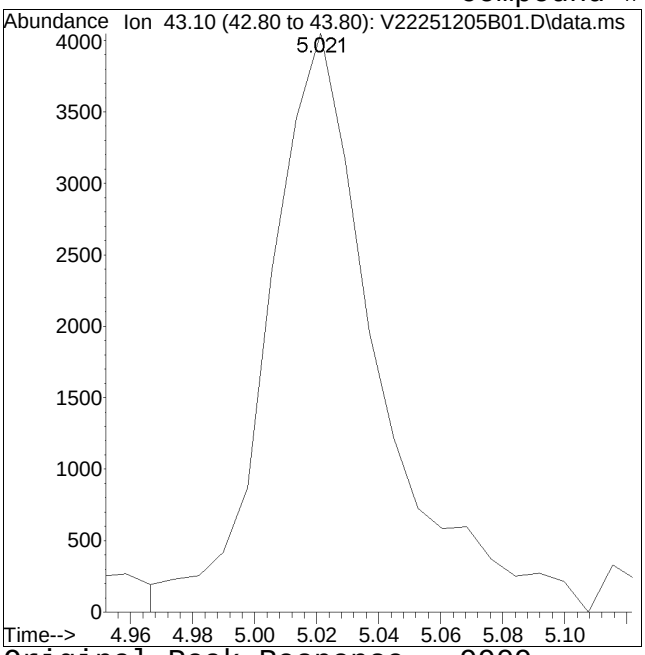
Manual Peak Response = 6556 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

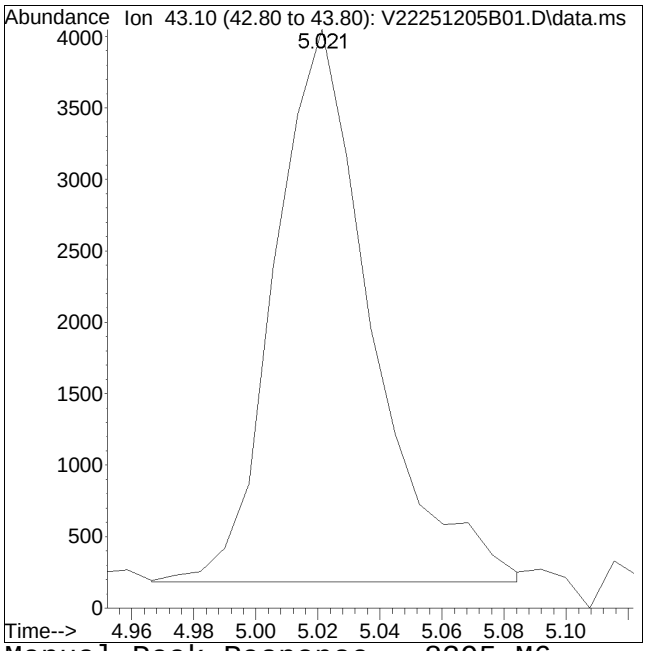
Manual Integration Report

Data Path	: K:\VOA122\2025\251205B\	QMethod	: V122_251114A_8260.m
Data File	: V22251205B01.D	Operator	: VOA122:PID
Date Inj'd	: 12/5/2025 12:06 pm	Instrument	: VOA 122
Sample	: WG2150855-2	Quant Date	: 12/5/2025 12:45 pm

Compound #41: 2-Butanone



Original Peak Response = 9909



Manual Peak Response = 8395 M6

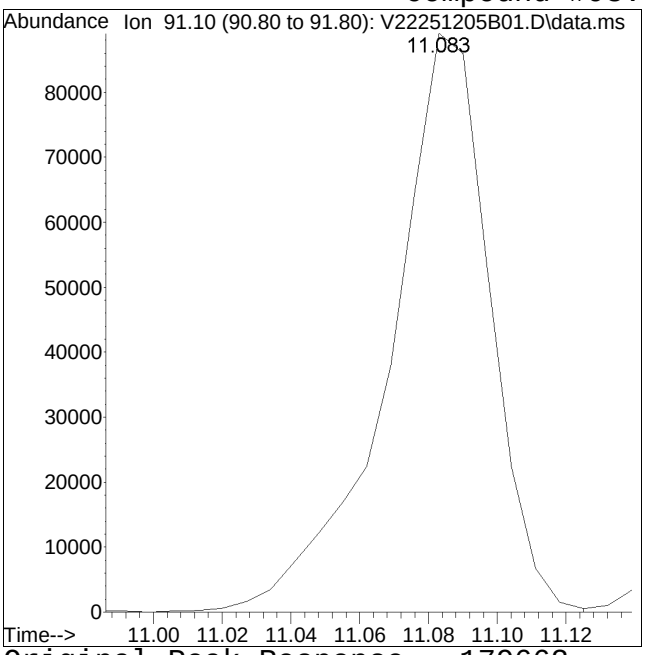
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

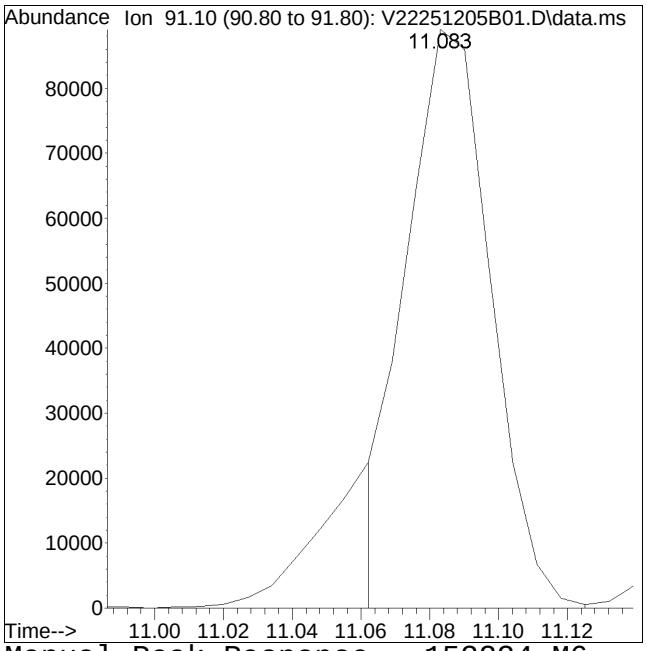
Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B01.D
Date Inj'd : 12/5/2025 12:06 pm
Sample : WG2150855-2

QMethod : V122_251114A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 12/5/2025 12:45 pm

Compound #93: 2-Chlorotoluene



Original Peak Response = 179662



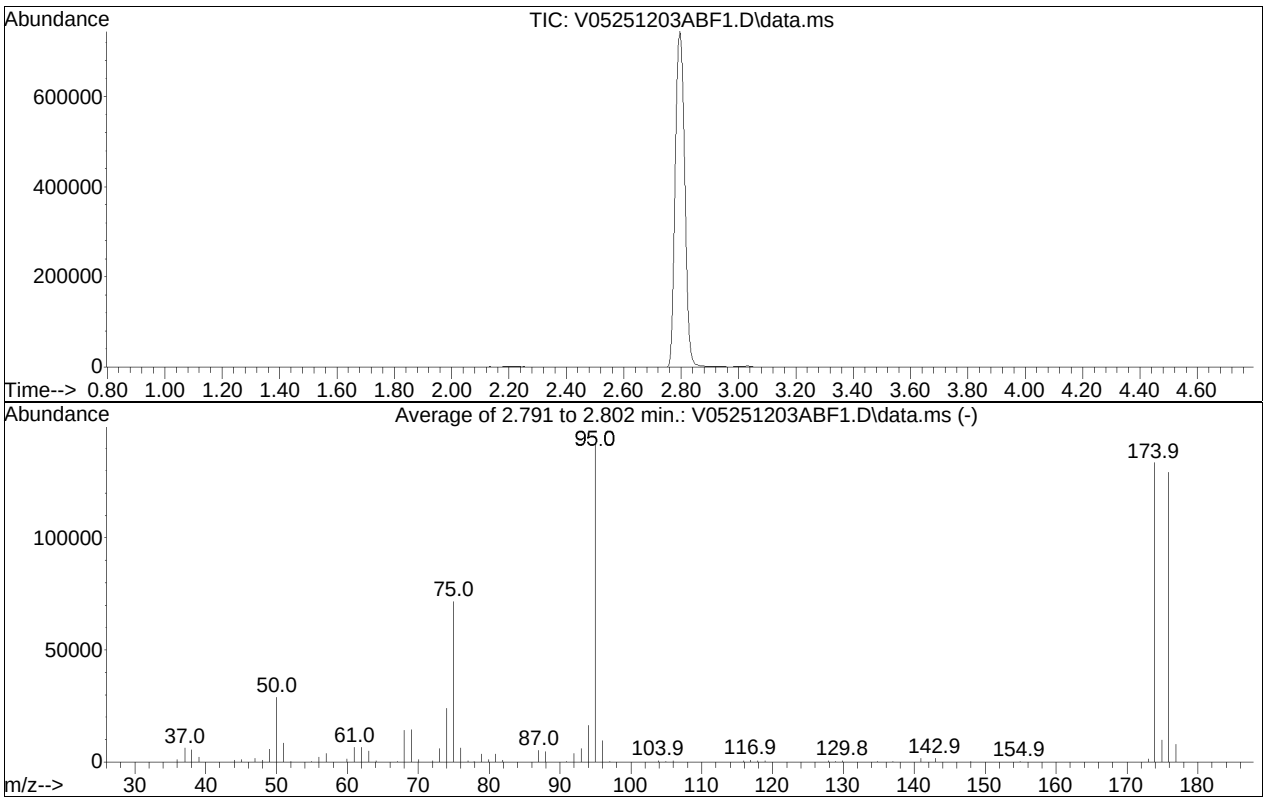
Manual Peak Response = 152224 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203ABF1.D
Acq On : 3 Dec 2025 8:36 am
Operator : VOA105:PID
Sample : WG2149674-1
Misc : WG2149674
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Nov 10 11:59:59 2025



AutoFind: Scans 129, 130, 131; Background Corrected with Scan 120

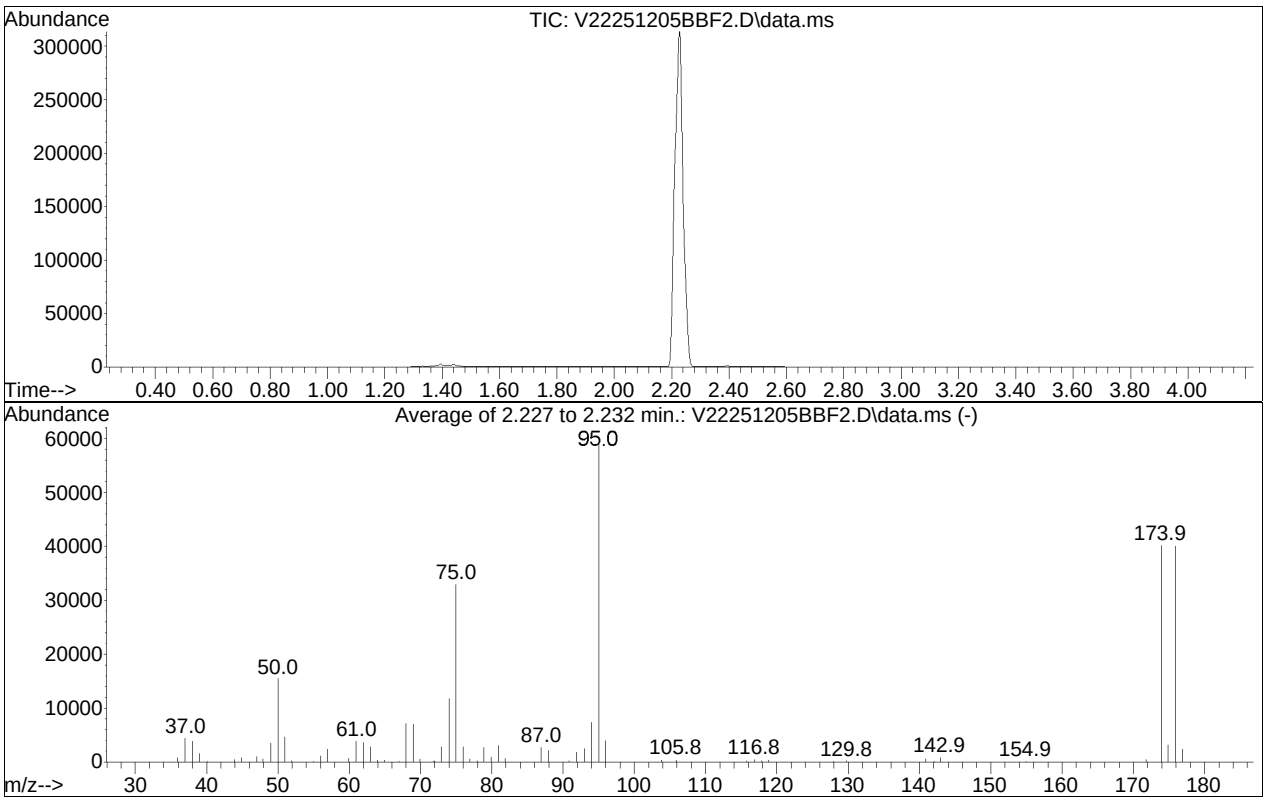
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.4	29064	PASS
75	95	30	60	50.3	71637	PASS
95	95	100	100	100.0	142549	PASS
96	95	5	9	6.7	9592	PASS
173	174	0.00	2	1.0	1281	PASS
174	95	50	100	93.8	133653	PASS
175	174	5	9	7.4	9844	PASS
176	174	95	101	96.7	129285	PASS
177	176	5	9	6.2	8012	PASS

BFB

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205BBF2.D
Acq On : 05 Dec 2025 11:58 am
Operator : VOA122:PID
Sample : WG2150855-1
Misc : WG2150855,ICAL22815
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sat Nov 15 12:03:11 2025



AutoFind: Scans 337, 338, 339; Background Corrected with Scan 321

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.1	15485	PASS
75	95	30	60	55.7	33013	PASS
95	95	100	100	100.0	59245	PASS
96	95	5	9	6.7	3998	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.8	40171	PASS
175	174	5	9	7.9	3165	PASS
176	174	95	101	99.6	40027	PASS
177	176	5	9	6.0	2388	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A05.D
Acq On : 3 Dec 2025 10:32 am
Operator : VOA105:PID
Sample : WG2149674-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2149674,ICAL22802 (Sig #1); WG,ICAL22802 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 03 10:54:35 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.513	96	333195	10.000 ug/L	0.00
Standard Area 1 = 383158			Recovery =	86.96%	
59) Chlorobenzene-d5	8.985	117	266692	10.000 ug/L	0.00
Standard Area 1 = 313563			Recovery =	85.05%	
79) 1,4-Dichlorobenzene-d4	11.790	152	162595	10.000 ug/L	0.00
Standard Area 1 = 191277			Recovery =	85.00%	
System Monitoring Compounds					
36) Dibromofluoromethane	4.739	113	93774	10.204 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.04%	
43) 1,2-Dichloroethane-d4	5.238	65	104348	9.064 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	90.64%	
60) Toluene-d8	7.164	98	310643	9.211 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	92.11%	
83) 4-Bromofluorobenzene	10.531	95	130498	9.355 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	93.55%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D. d	
3) Chloromethane	1.609	50	333	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	1.931	94	310	0.383 ug/L #	53
6) Chloroethane	2.007	64	234	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	0.000		0	N.D.	
15) Methylene chloride	3.119	84	101	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
25) Acrylonitrile	0.000		0	N.D.	
27) Vinyl acetate	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	0.000		0	N.D.	
29) 2,2-Dichloropropane	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
32) Chloroform	0.000		0	N.D.	

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A05.D
Acq On : 3 Dec 2025 10:32 am
Operator : VOA105:PID
Sample : WG2149674-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2149674,ICAL22802 (Sig #1); WG,ICAL22802 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 03 10:54:35 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	0.000		0		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
48) Trichloroethene	5.661	95	68		N.D.	
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	0.000		0		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	8.985	91	358		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	0.000		0		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	0.000		0		N.D.	
84) Bromobenzene	0.000		0		N.D.	
85) n-Propylbenzene	10.531	91	488		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88) 4-Ethyltoluene	0.000		0		N.D.	
89) 2-Chlorotoluene	0.000		0		N.D.	
90) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
91) 1,2,3-Trichloropropane	0.000		0		N.D.	
92) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
93) 4-Chlorotoluene	0.000		0		N.D.	
94) tert-Butylbenzene	0.000		0		N.D.	

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A05.D
Acq On : 3 Dec 2025 10:32 am
Operator : VOA105:PID
Sample : WG2149674-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2149674,ICAL22802 (Sig #1); WG,ICAL22802 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 03 10:54:35 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
98) sec-Butylbenzene	0.000		0		N.D.	
99) p-Isopropyltoluene	0.000		0		N.D.	
100) 1,3-Dichlorobenzene	0.000		0		N.D.	
101) 1,4-Dichlorobenzene	0.000		0		N.D.	
102) p-Diethylbenzene	0.000		0		N.D.	
103) n-Butylbenzene	0.000		0		N.D.	
104) 1,2-Dichlorobenzene	0.000		0		N.D.	
105) 1,2,4,5-Tetramethylben...	12.851	119	161		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108) Hexachlorobutadiene	0.000		0		N.D.	
109) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
110) Naphthalene	13.990	128	93		N.D.	
111) 1,2,3-Trichlorobenzene	14.138	180	357		N.D.	

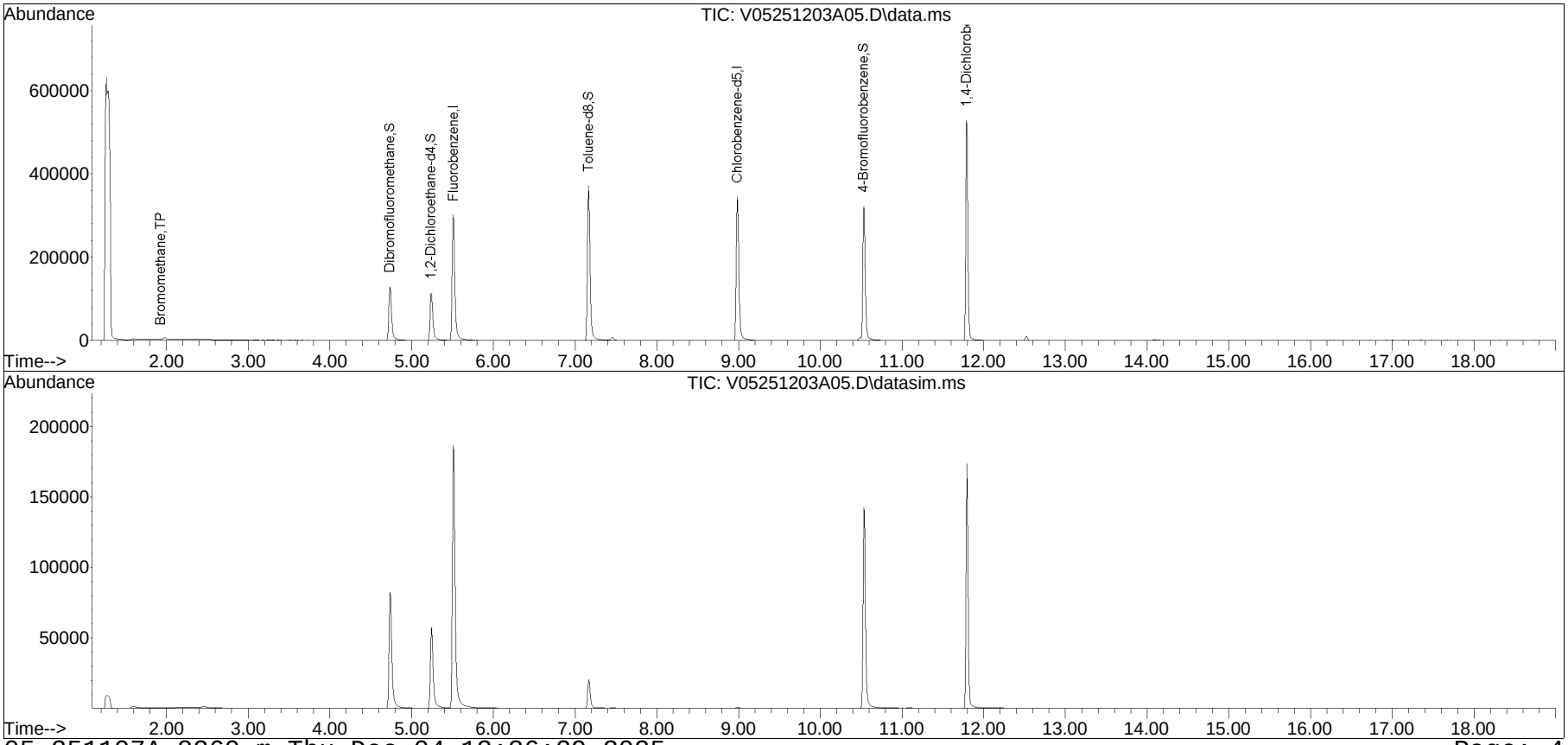
(#) = qualifier out of range (m) = manual integration (+) = signals summed

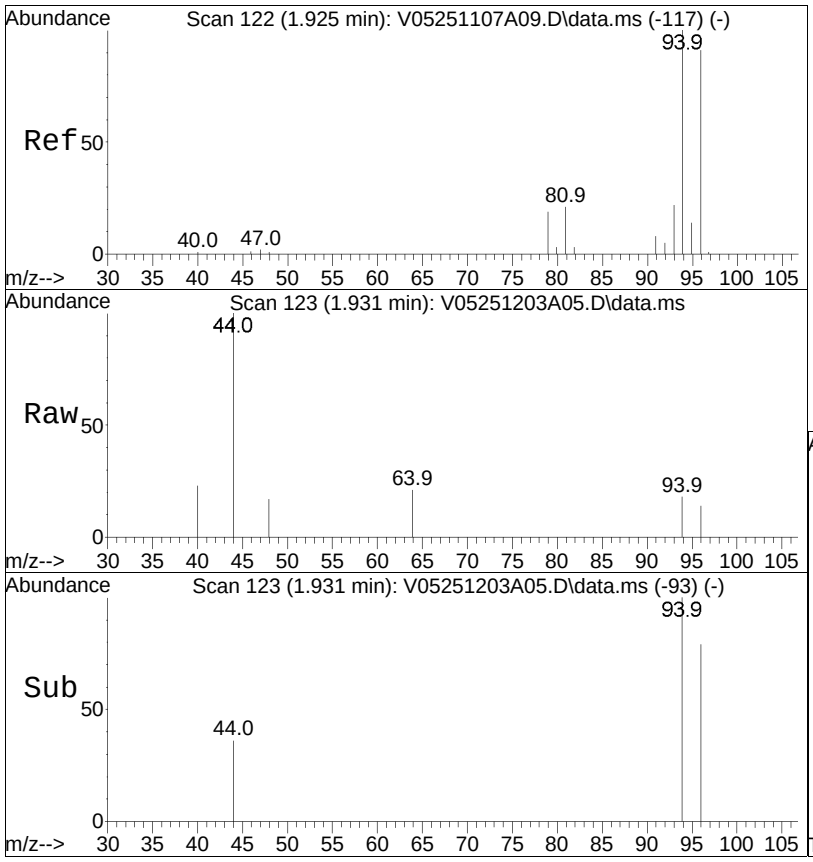
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A05.D
Acq On : 3 Dec 2025 10:32 am
Operator : VOA105:PID
Sample : WG2149674-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2149674,ICAL22802 (Sig #1); WG,ICAL22802 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 03 10:54:35 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox251203A01.D•

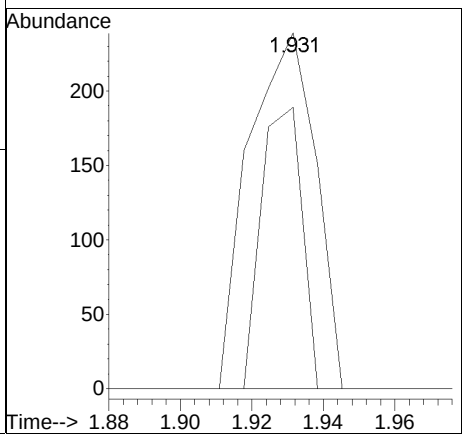




#5
Bromomethane
Concen: 0.38 ug/L
RT: 1.931 min Scan# 123
Delta R.T. 0.006 min
Lab File: V05251203A05.D
Acq: 3 Dec 2025 10:32 am

Tgt Ion: 94 Resp: 310

Ion	Ratio	Lower	Upper
94	100		
96	48.4	73.9	113.9#



Manual Integration Report

Data Path	: K:\VOA105\2025\251203A\	QMethod	: V105_251107A_8260.m
Data File	: V05251203A05.D	Operator	: VOA105:PID
Date Inj'd	: 12/3/2025 10:32 am	Instrument	: VOA105
Sample	: WG2149674-5,31,10,10	Quant Date	: 12/3/2025 10:54 am

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

LSC Area Percent Report

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A05.D
Acq On : 3 Dec 2025 10:32 am
Operator : VOA105:PID
Sample : WG2149674-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2149674,ICAL22802 (Sig #1); WG,ICAL22802 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V05251203A05.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.739	521	532	553	rBV	129056	312493	34.29%	6.948%
2	5.238	595	602	625	rBV	113495	272058	29.85%	6.049%
3	5.513	633	641	672	rBV	301231	705451	77.41%	15.686%
4	7.164	864	875	894	rBV	371743	832300	91.32%	18.507%
5	8.985	1121	1133	1162	rBV	344898	783065	85.92%	17.412%
6	10.531	1335	1350	1384	rBB	322909	680552	74.67%	15.132%
7	11.790	1522	1528	1545	rBV	527934	911375	100.00%	20.265%

Sum of corrected areas: 4497294

Signal : TIC: V05251203A05.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

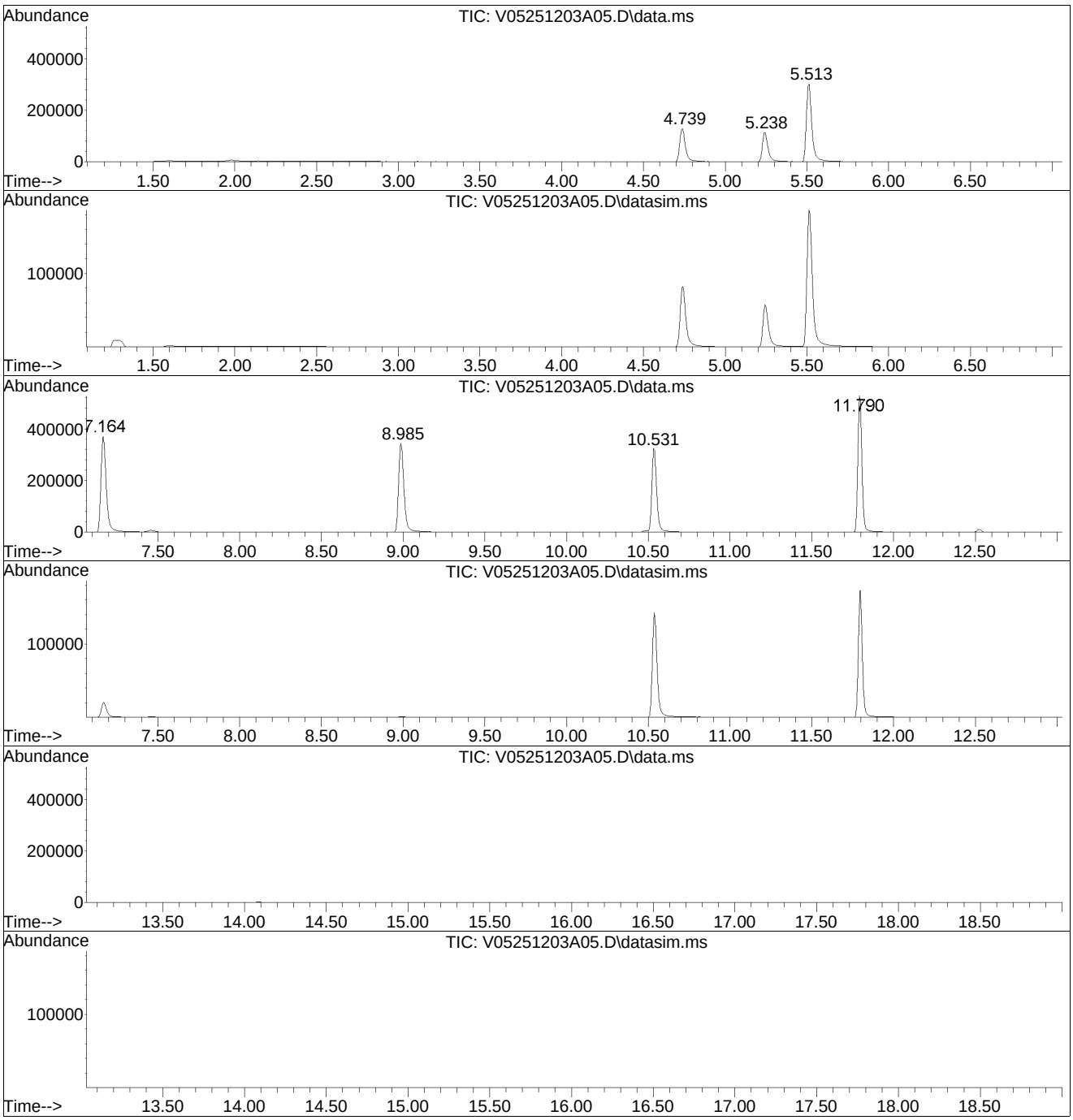
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A05.D
Acq On : 3 Dec 2025 10:32 am
Operator : VOA105:PID
Sample : WG2149674-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2149674,ICAL22802 (Sig #1); WG,ICAL22802 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A05.D
Acq On : 3 Dec 2025 10:32 am
Operator : VOA105:PID
Sample : WG2149674-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2149674,ICAL22802 (Sig #1); WG,ICAL22802 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A05.D
Acq On : 3 Dec 2025 10:32 am
Operator : VOA105:PID
Sample : WG2149674-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2149674,ICAL22802 (Sig #1); WG,ICAL22802 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B05.D
Acq On : 05 Dec 2025 01:44 pm
Operator : VOA122:PID
Sample : WG2150855-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 05 15:17:49 2025
Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251205B\V22251205B01.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.710	96	330819	10.000 ug/L	0.00
Standard Area 1 = 330379			Recovery = 100.13%		
62) Chlorobenzene-d5	9.225	117	251411	10.000 ug/L	0.00
Standard Area 1 = 247058			Recovery = 101.76%		
83) 1,4-Dichlorobenzene-d4	11.993	152	120649	10.000 ug/L	0.00
Standard Area 1 = 132762			Recovery = 90.88%		
System Monitoring Compounds					
38) Dibromofluoromethane	4.912	113	92181	10.495 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.95%		
46) 1,2-Dichloroethane-d4	5.424	65	105575	12.450 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 124.50%		
63) Toluene-d8	7.388	98	333668	10.270 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.70%		
87) 4-Bromofluorobenzene	10.754	95	116012	10.983 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.83%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.350	85	72	N.D.	
3) Chloromethane	1.687	50	91	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.040	94	370	0.086 ug/L #	67
6) Chloroethane	2.111	64	74	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.770	76	439	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	0.000		0	N.D.	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
31) 2,2-Dichloropropane	0.000		0	N.D.	
32) Bromochloromethane	0.000		0	N.D.	
34) Chloroform	0.000		0	N.D.	

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B05.D
Acq On : 05 Dec 2025 01:44 pm
Operator : VOA122:PID
Sample : WG2150855-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 05 15:17:49 2025
Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251205B\V22251205B01.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Carbon tetrachloride	0.000		0		N.D.	
39) 1,1,1-Trichloroethane	0.000		0		N.D.	
41) 2-Butanone	0.000		0		N.D.	
42) 1,1-Dichloropropene	0.000		0		N.D.	
44) Benzene	0.000		0		N.D.	
47) 1,2-Dichloroethane	0.000		0		N.D.	
51) Trichloroethene	0.000		0		N.D.	
53) Dibromomethane	0.000		0		N.D.	
54) 1,2-Dichloropropane	0.000		0		N.D.	
57) Bromodichloromethane	0.000		0		N.D.	
60) 1,4-Dioxane	0.000		0		N.D.	
61) cis-1,3-Dichloropropene	0.000		0		N.D.	
64) Toluene	0.000		0		N.D.	
65) 4-Methyl-2-pentanone	0.000		0		N.D.	
66) Tetrachloroethene	0.000		0		N.D.	
68) trans-1,3-Dichloropropene	0.000		0		N.D.	
71) 1,1,2-Trichloroethane	0.000		0		N.D.	
72) Chlorodibromomethane	0.000		0		N.D.	
73) 1,3-Dichloropropane	0.000		0		N.D.	
74) 1,2-Dibromoethane	0.000		0		N.D.	
76) 2-Hexanone	0.000		0		N.D.	
77) Chlorobenzene	0.000		0		N.D.	
78) Ethylbenzene	9.225	91	609		N.D.	
79) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
80) p/m Xylene	0.000		0		N.D.	
81) o Xylene	0.000		0		N.D.	
82) Styrene	0.000		0		N.D.	
84) Bromoform	0.000		0		N.D.	
86) Isopropylbenzene	0.000		0		N.D.	
88) Bromobenzene	0.000		0		N.D.	
89) n-Propylbenzene	10.747	91	336		N.D.	
91) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
92) 4-Ethyltoluene	0.000		0		N.D.	
93) 2-Chlorotoluene	0.000		0		N.D.	
94) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
95) 1,2,3-Trichloropropane	0.000		0		N.D.	
96) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
97) 4-Chlorotoluene	0.000		0		N.D.	
98) tert-Butylbenzene	0.000		0		N.D.	

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B05.D
Acq On : 05 Dec 2025 01:44 pm
Operator : VOA122:PID
Sample : WG2150855-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 05 15:17:49 2025
Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251205B\V22251205B01.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	11.693	105	257	N.D.		
102) sec-Butylbenzene	11.693	105	257	N.D.		
103) p-Isopropyltoluene	11.868	119	331	N.D.		
104) 1,3-Dichlorobenzene	11.993	146	134	N.D.		
105) 1,4-Dichlorobenzene	11.993	146	134	N.D.		
106) p-Diethylbenzene	12.236	119	212	N.D.		
107) n-Butylbenzene	12.299	91	956	N.D.		
108) 1,2-Dichlorobenzene	0.000		0	N.D.		
109) 1,2,4,5-Tetramethylben...	13.044	119	529	N.D.		
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
112) Hexachlorobutadiene	13.851	225	550	0.336	ug/L #	60
113) 1,2,4-Trichlorobenzene	13.865	180	89	N.D.		
114) Naphthalene	14.158	128	159	N.D.		
115) 1,2,3-Trichlorobenzene	14.332	180	141	N.D.		

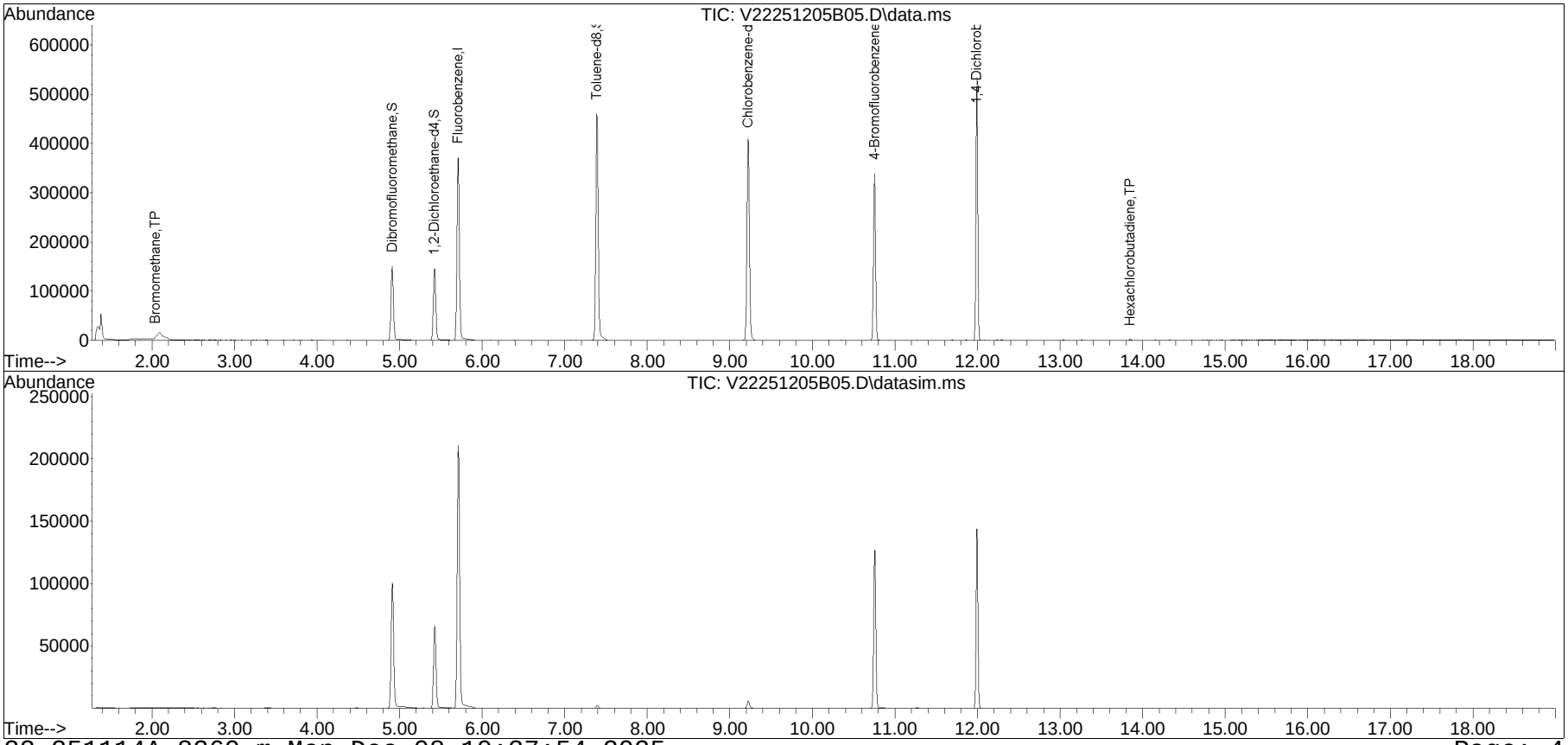
(#) = qualifier out of range (m) = manual integration (+) = signals summed

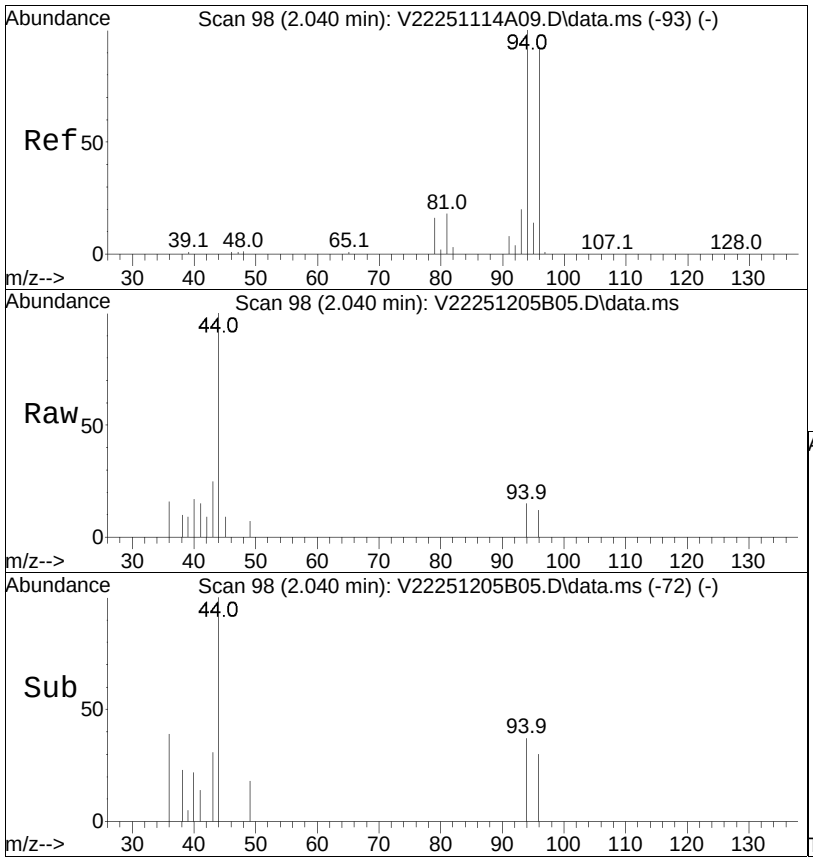
Quantitation Report (QT/LSC Reviewed)

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B05.D
Acq On : 05 Dec 2025 01:44 pm
Operator : VOA122:PID
Sample : WG2150855-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 05 15:17:49 2025
Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

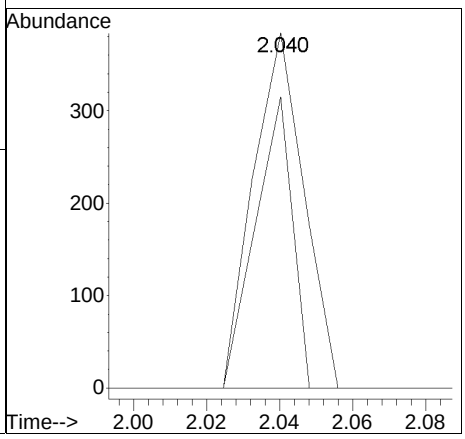


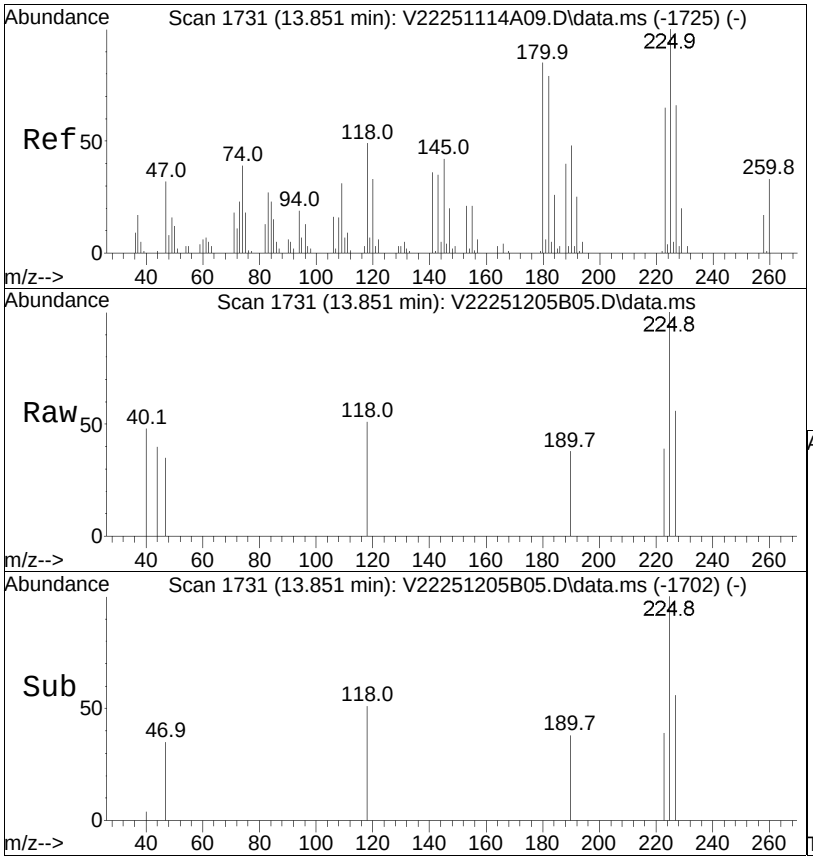


#5
Bromomethane
Concen: 0.09 ug/L
RT: 2.040 min Scan# 98
Delta R.T. 0.000 min
Lab File: V22251205B05.D
Acq: 05 Dec 2025 01:44 pm

Tgt Ion: 94 Resp: 370

Ion	Ratio	Lower	Upper
94	100		
96	60.3	72.2	112.2#

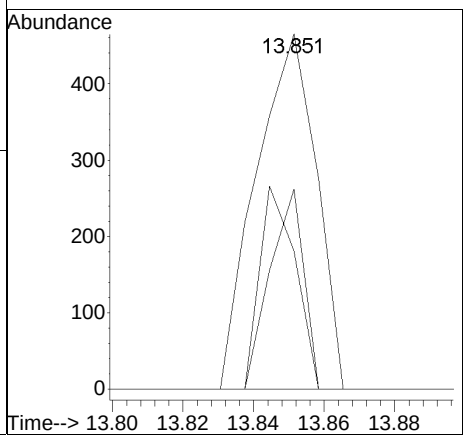




#112
Hexachlorobutadiene
Concen: 0.34 ug/L
RT: 13.851 min Scan# 1731
Delta R.T. 0.000 min
Lab File: V22251205B05.D
Acq: 05 Dec 2025 01:44 pm

Tgt Ion:225 Resp: 550

Ion	Ratio	Lower	Upper
225	100		
223	34.0	50.2	75.4#
227	31.8	52.6	79.0#



Manual Integration Report

Data Path	: K:\VOA122\2025\251205B\	QMethod	: V122_251114A_8260.m
Data File	: V22251205B05.D	Operator	: VOA122:PID
Date Inj'd	: 12/5/2025 1:44 pm	Instrument	: VOA 122
Sample	: WG2150855-5,31,10,10	Quant Date	: 12/5/2025 3:17 pm

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

LSC Area Percent Report

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B05.D
Acq On : 05 Dec 2025 01:44 pm
Operator : VOA122:PID
Sample : WG2150855-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V22251205B05.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.095	95	105	126	rVB8	15966	89120	9.52%	1.933%
2	4.912	456	464	472	rBV	150762	307838	32.89%	6.676%
3	5.424	520	529	541	rBV	145605	292937	31.30%	6.353%
4	5.710	559	570	579	rBV	372048	746748	79.78%	16.195%
5	7.388	801	809	829	rVB	461055	935992	100.00%	20.299%
6	9.218	1060	1070	1083	rBV	410418	847863	90.58%	18.388%
7	10.754	1282	1289	1300	rBV	338281	586529	62.66%	12.720%
8	11.993	1454	1464	1474	rBV	533795	804028	85.90%	17.437%

Sum of corrected areas: 4611055

Signal : TIC: V22251205B05.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total

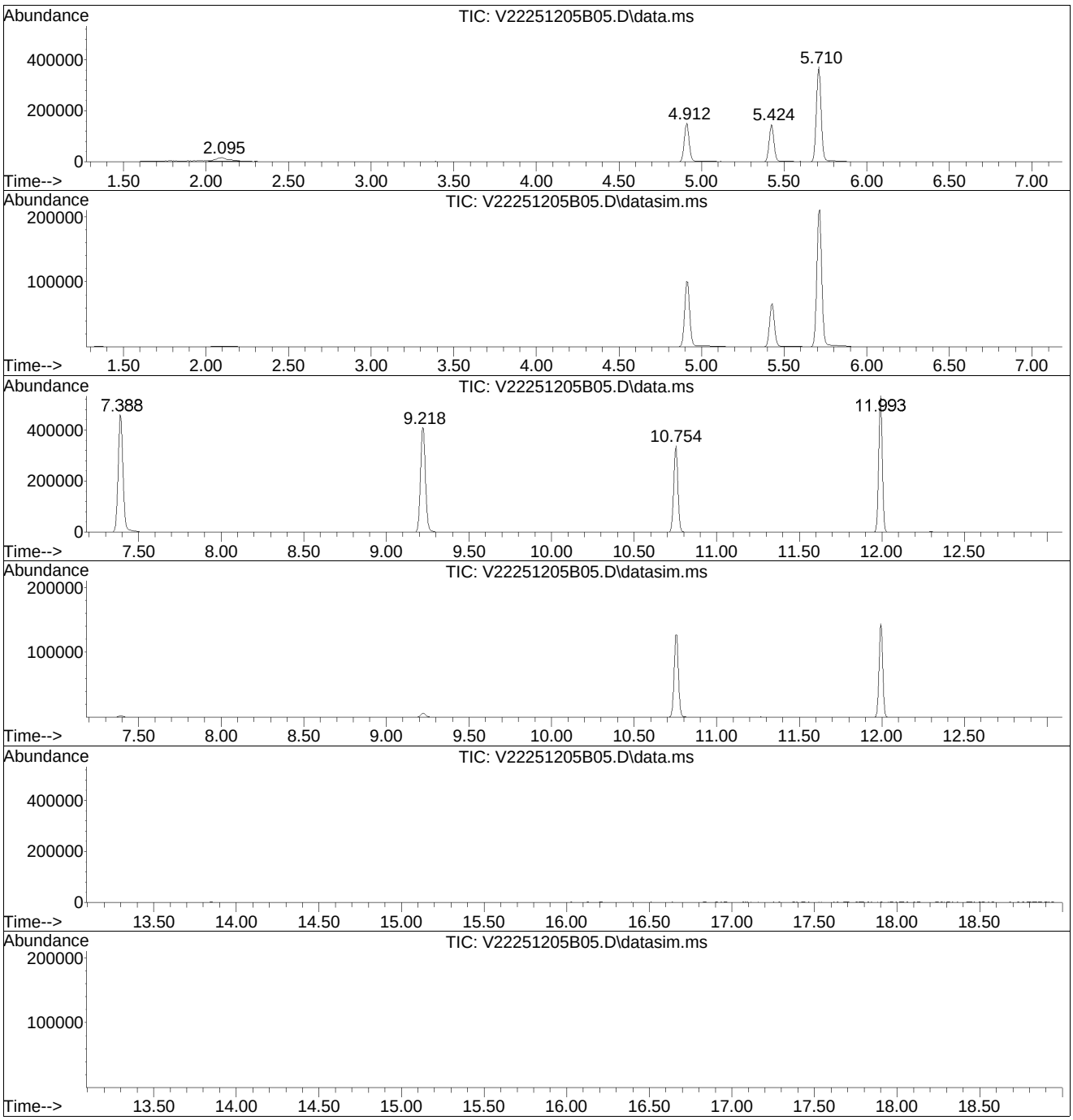
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B05.D
Acq On : 05 Dec 2025 01:44 pm
Operator : VOA122:PID
Sample : WG2150855-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B05.D
Acq On : 05 Dec 2025 01:44 pm
Operator : VOA122:PID
Sample : WG2150855-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS

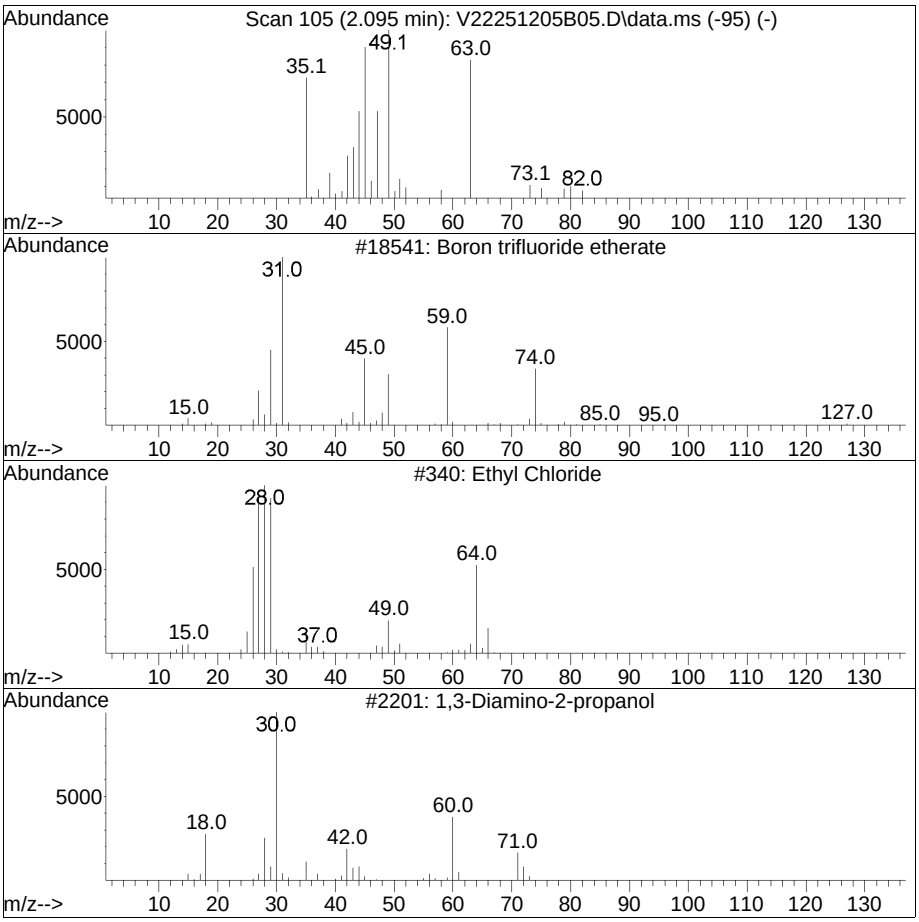
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

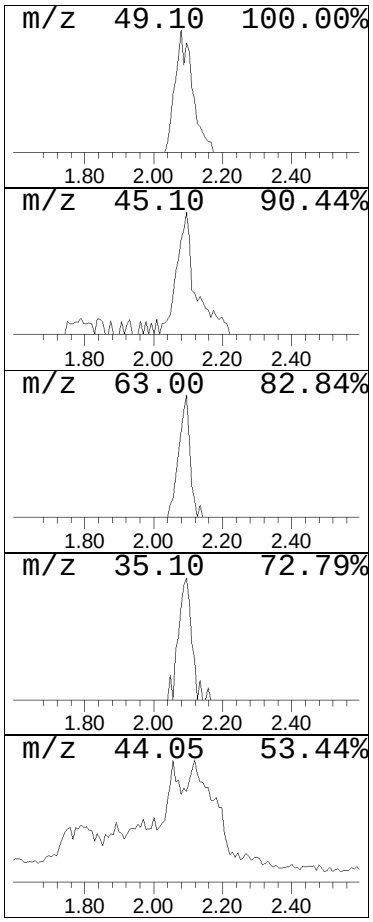
****

Peak Number 1 Unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.095	1.19 ug/L	89120	Fluorobenzene	5.710

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Boron trifluoride etherate	142	C4H10BF3O	000109-63-7	4
2	Ethyl Chloride	64	C2H5Cl	000075-00-3	2
3	1,3-Diamino-2-propanol	90	C3H10N2O	000616-29-5	2
4	Dimethyl Sulfoxide	78	C2H6OS	000067-68-5	2
5	Methane, chloromethoxy-	80	C2H5ClO	000107-30-2	2





Tentatively Identified Compound (LSC) summary

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B05.D
Acq On : 05 Dec 2025 01:44 pm
Operator : VOA122:PID
Sample : WG2150855-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown	2.095	1.2	ug/L	89120	1	5.710	746748	10.0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A01.D
Acq On : 3 Dec 2025 8:51 am
Operator : VOA105:PID
Sample : WG2149674-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149674,ICAL22802 (Sig #1); WG,ICAL22802 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 03 10:40:56 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.506	96	383158	10.000	ug/L	0.00
59) Chlorobenzene-d5	8.985	117	313563	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	11.790	152	191277	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.732	113	103547	9.798	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.98%			
43) 1,2-Dichloroethane-d4	5.238	65	120553	9.106	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.06%			
60) Toluene-d8	7.165	98	372443	9.392	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.92%			
83) 4-Bromofluorobenzene	10.531	95	152853	9.315	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.15%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.431	85	108694	8.456	ug/L	98
3) Chloromethane	1.602	50	103850	6.045	ug/L	99
4) Vinyl chloride	1.657	62	91122	6.941	ug/L	90
5) Bromomethane	1.925	94	17473	3.730	ug/L	98
6) Chloroethane	2.021	64	57166	7.653	ug/L	98
7) Trichlorofluoromethane	2.145	101	141254	8.913	ug/L	99
8) Ethyl ether	2.419	74	36663	8.813	ug/L	84
10) 1,1-Dichloroethene	2.591	96	72621	9.431	ug/L	81
11) Carbon disulfide	2.618	76	237254	8.802	ug/L	99
15) Methylene chloride	3.112	84	83496	8.897	ug/L	79
17) Acetone	3.174	43	14991	7.670	ug/L	99
18) trans-1,2-Dichloroethene	3.250	96	89171	9.623	ug/L	87
20) Methyl tert-butyl ether	3.346	73	197360	9.669	ug/L	89
23) 1,1-Dichloroethane	3.806	63	170767	8.178	ug/L	98
25) Acrylonitrile	3.874	53	21812	8.168	ug/L	95
27) Vinyl acetate	4.039	43	138831M6	6.794	ug/L	
28) cis-1,2-Dichloroethene	4.307	96	91463	8.811	ug/L	87
29) 2,2-Dichloropropane	4.389	77	130092	8.952	ug/L	87
30) Bromochloromethane	4.492	128	43636	9.956	ug/L #	68
32) Chloroform	4.561	83	148811	8.246	ug/L	95
34) Carbon tetrachloride	4.670	117	128788	8.667	ug/L	98
37) 1,1,1-Trichloroethane	4.739	97	138037	8.659	ug/L	95
39) 2-Butanone	4.863	43	19184	6.654	ug/L	92
40) 1,1-Dichloropropene	4.863	75	108339	8.648	ug/L	96

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A01.D
Acq On : 3 Dec 2025 8:51 am
Operator : VOA105:PID
Sample : WG2149674-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149674,ICAL22802 (Sig #1); WG,ICAL22802 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 03 10:40:56 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	Benzene	5.097	78	323443	8.359	ug/L		94
44)	1,2-Dichloroethane	5.309	62	110060	7.923	ug/L		98
48)	Trichloroethene	5.683	95	86502	8.188	ug/L		94
50)	Dibromomethane	6.120	93	45301	8.969	ug/L	#	87
51)	1,2-Dichloropropane	6.212	63	82671	7.541	ug/L		96
54)	Bromodichloromethane	6.297	83	111340	8.472	ug/L		99
57)	1,4-Dioxane	6.508	88	23425	531.723	ug/L	#	84
58)	cis-1,3-Dichloropropene	6.974	75	120535	8.174	ug/L		89
61)	Toluene	7.221	92	200930	8.101	ug/L		99
62)	4-Methyl-2-pentanone	7.665	58	17243	7.253	ug/L	#	81
63)	Tetrachloroethene	7.658	166	104097	9.791	ug/L		92
65)	trans-1,3-Dichloropropene	7.715	75	106038	8.157	ug/L		88
68)	1,1,2-Trichloroethane	7.898	83	50076	8.637	ug/L		95
69)	Chlorodibromomethane	8.096	129	86134	9.342	ug/L		98
70)	1,3-Dichloropropane	8.209	76	107153	8.432	ug/L		99
71)	1,2-Dibromoethane	8.364	107	64086	9.426	ug/L		100
72)	2-Hexanone	8.674	43	26782	6.606	ug/L	#	90
73)	Chlorobenzene	9.006	112	247731	8.939	ug/L		93
74)	Ethylbenzene	9.041	91	408714	8.421	ug/L		97
75)	1,1,1,2-Tetrachloroethane	9.091	131	92467	9.267	ug/L		99
76)	p/m Xylene	9.225	106	327365	18.140	ug/L		96
77)	o Xylene	9.775	106	316516	18.296	ug/L		95
78)	Styrene	9.846	104	527080	18.651	ug/L		97
80)	Bromoform	9.874	173	53443	9.333	ug/L		98
82)	Isopropylbenzene	10.178	105	429389	8.286	ug/L		98
84)	Bromobenzene	10.644	156	112870	9.334	ug/L		96
85)	n-Propylbenzene	10.694	91	493373	7.926	ug/L		96
87)	1,1,2,2-Tetrachloroethane	10.807	83	70932	8.542	ug/L		98
88)	4-Ethyltoluene	10.828	105	441632	8.766	ug/L		98
89)	2-Chlorotoluene	10.864	91	307538M6	8.267	ug/L		
90)	1,3,5-Trimethylbenzene	10.934	105	372563	8.621	ug/L		98
91)	1,2,3-Trichloropropane	10.941	75	58371M1	8.137	ug/L		
92)	trans-1,4-Dichloro-2-b...	11.005	53	17332	5.963	ug/L	#	84
93)	4-Chlorotoluene	11.062	91	315240	8.221	ug/L		96
94)	tert-Butylbenzene	11.281	119	324971	8.742	ug/L		96
97)	1,2,4-Trimethylbenzene	11.373	105	358120	8.632	ug/L		98
98)	sec-Butylbenzene	11.479	105	444066	8.389	ug/L		99
99)	p-Isopropyltoluene	11.642	119	403378	8.103	ug/L		97
100)	1,3-Dichlorobenzene	11.712	146	220292	9.384	ug/L		98
101)	1,4-Dichlorobenzene	11.811	146	224128	9.137	ug/L		98

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A01.D
Acq On : 3 Dec 2025 8:51 am
Operator : VOA105:PID
Sample : WG2149674-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149674,ICAL22802 (Sig #1); WG,ICAL22802 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 03 10:40:56 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102)	p-Diethylbenzene	12.031	119	236485	8.467	ug/L	98
103)	n-Butylbenzene	12.087	91	321219	8.012	ug/L	98
104)	1,2-Dichlorobenzene	12.243	146	201877	9.602	ug/L	98
105)	1,2,4,5-Tetramethylben...	12.837	119	364327	9.153	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.035	155	12337	10.145	ug/L	98
108)	Hexachlorobutadiene	13.643	225	59211	10.074	ug/L	99
109)	1,2,4-Trichlorobenzene	13.665	180	134116	10.512	ug/L	98
110)	Naphthalene	13.962	128	242763	10.226	ug/L	100
111)	1,2,3-Trichlorobenzene	14.132	180	109437	10.717	ug/L	98

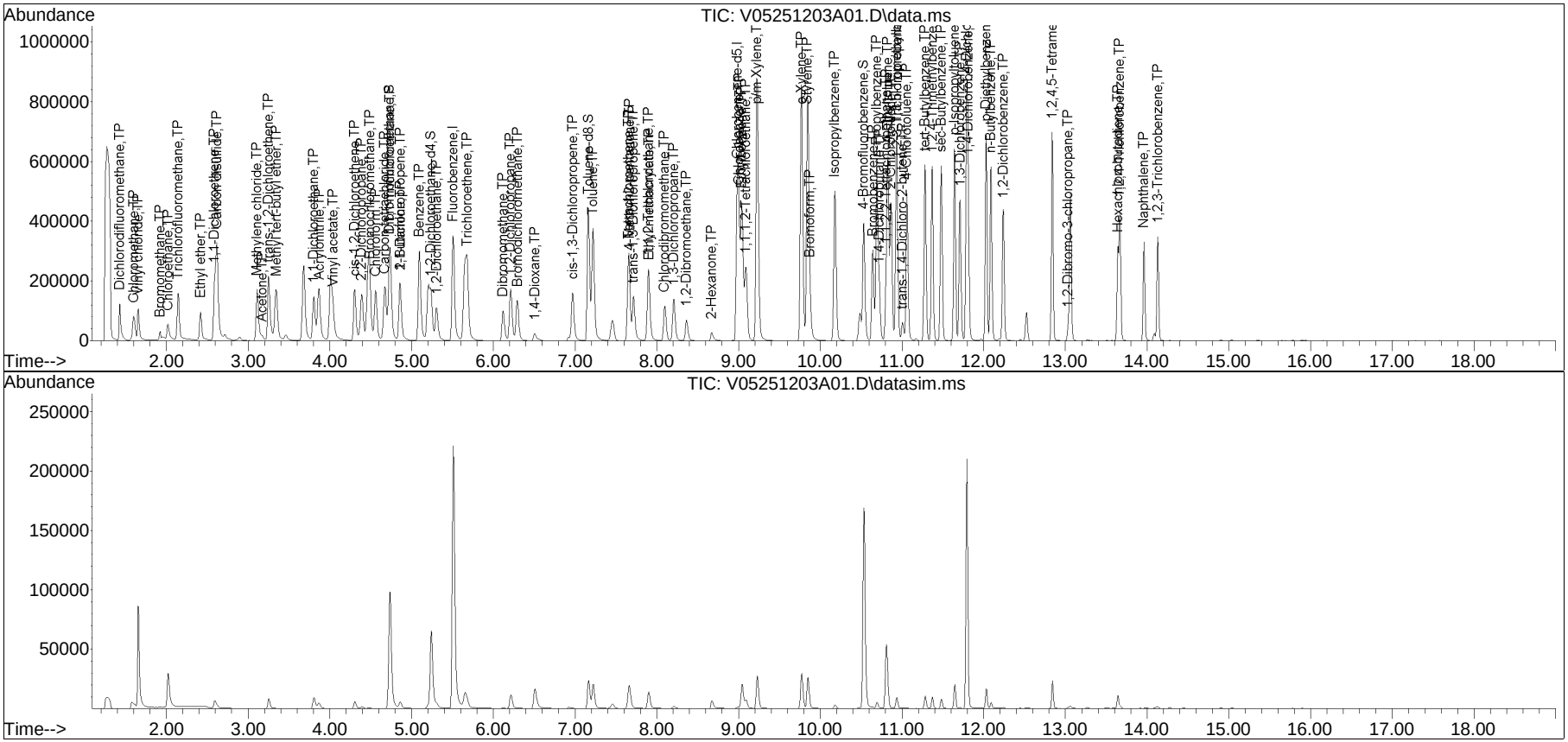
(#) = qualifier out of range (m) = manual integration (+) = signals summed

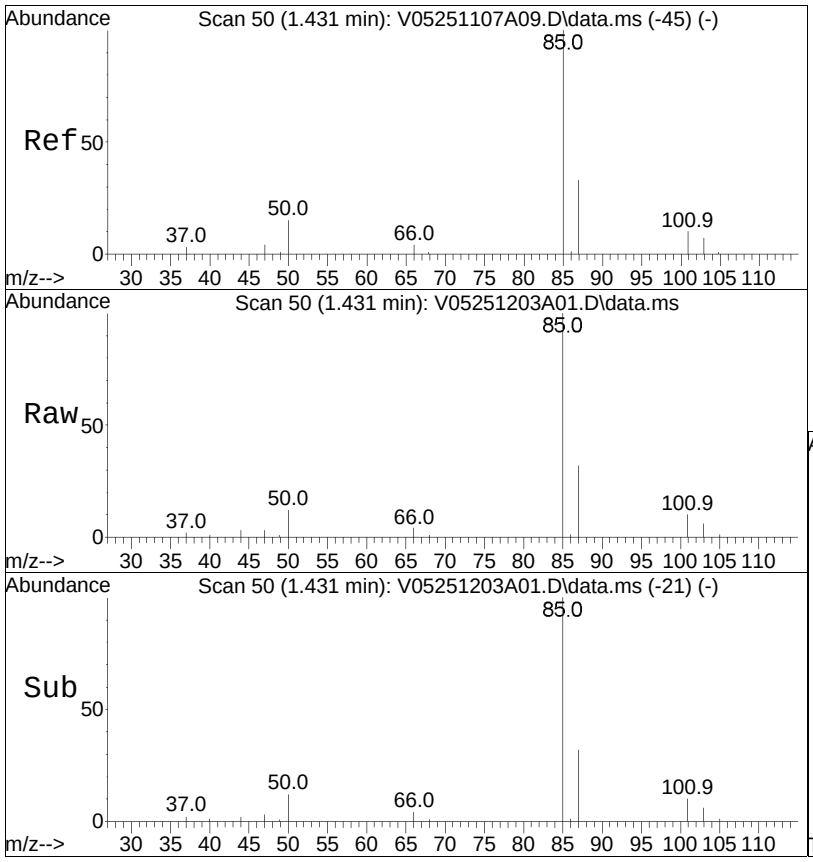
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A01.D
Acq On : 3 Dec 2025 8:51 am
Operator : VOA105:PID
Sample : WG2149674-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149674,ICAL22802 (Sig #1); WG,ICAL22802 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 03 10:40:56 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox

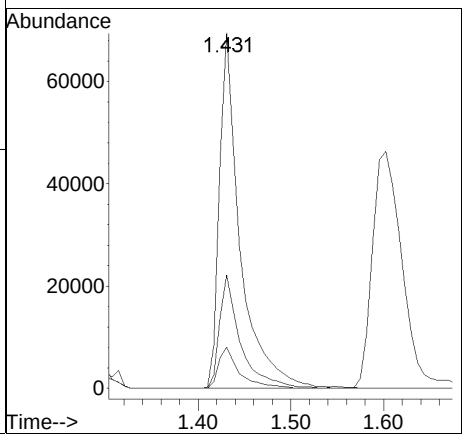


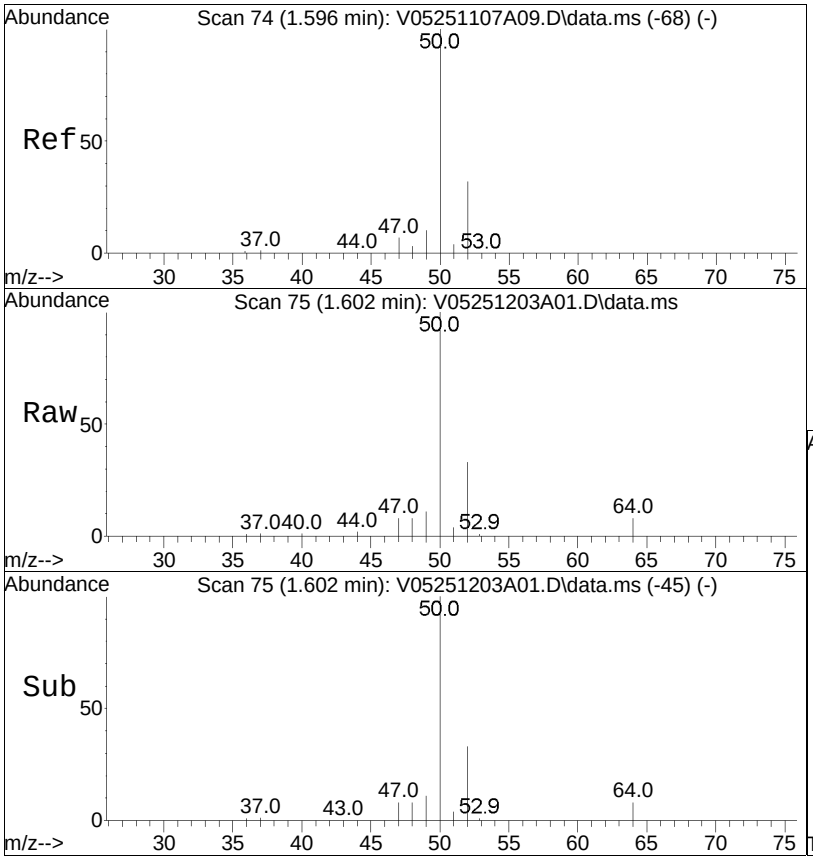


#2
Dichlorodifluoromethane
Concen: 8.46 ug/L
RT: 1.431 min Scan# 50
Delta R.T. -0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 85 Resp: 108694

Ion	Ratio	Lower	Upper
85	100		
87	32.1	20.6	42.8
50	11.7	9.2	19.2

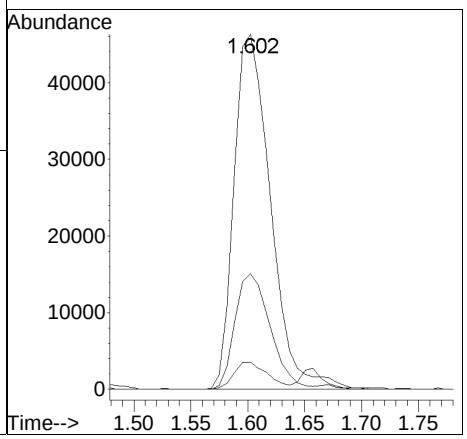


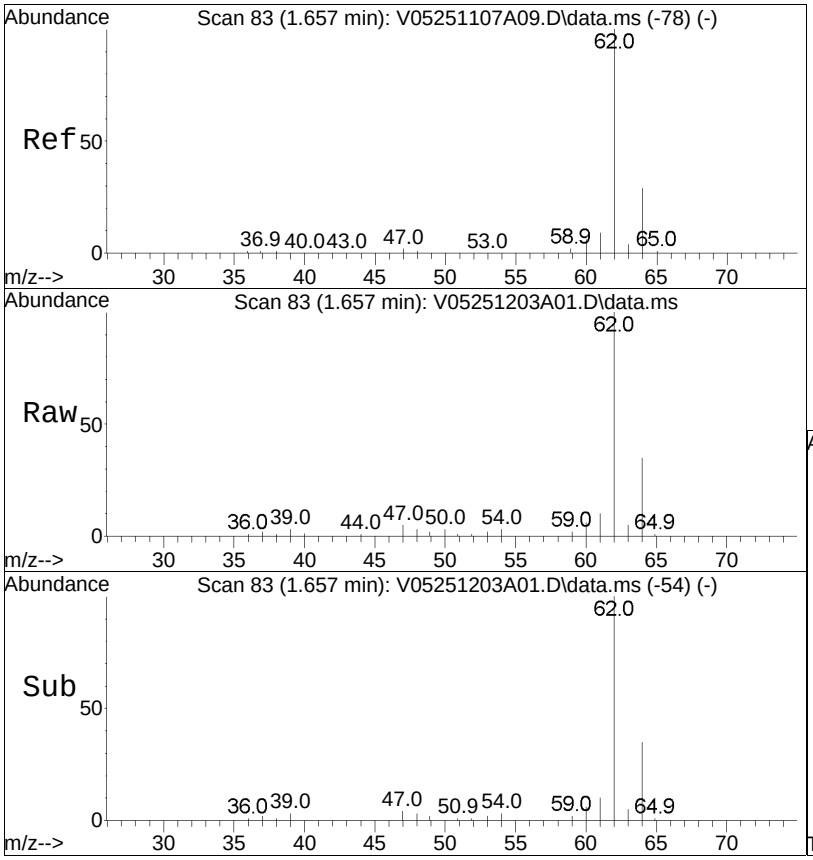


#3
Chloromethane
Concen: 6.05 ug/L
RT: 1.602 min Scan# 75
Delta R.T. 0.006 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 50 Resp: 103850

Ion	Ratio	Lower	Upper
50	100		
52	31.4	12.1	52.1
47	7.2	0.0	27.2

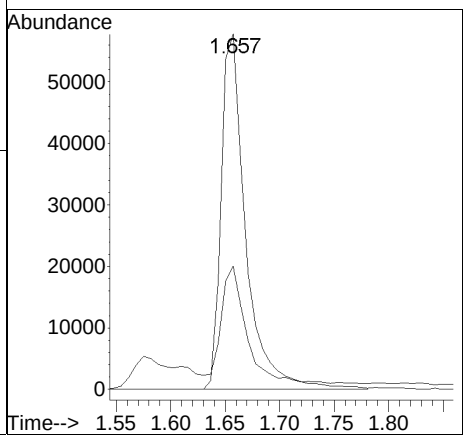


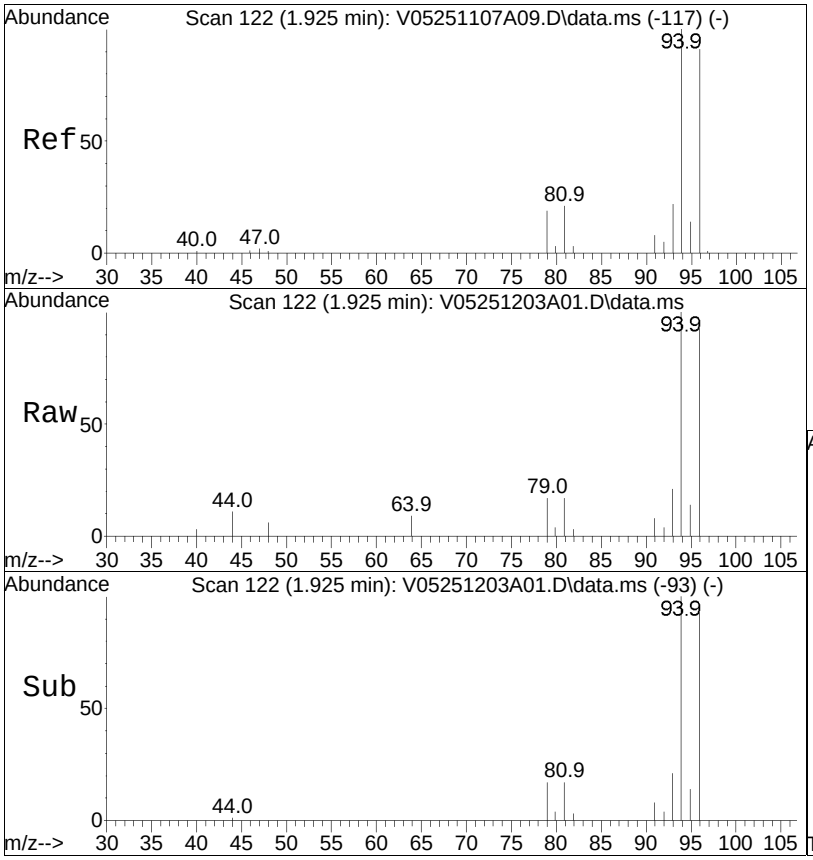


#4
Vinyl chloride
Concen: 6.94 ug/L
RT: 1.657 min Scan# 83
Delta R.T. 0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 62 Resp: 91122

Ion	Ratio	Lower	Upper
62	100		
64	35.4	9.9	49.9

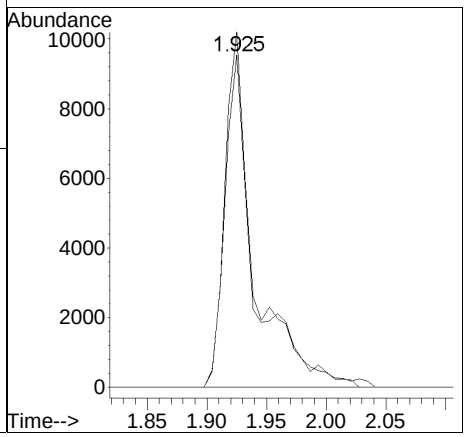


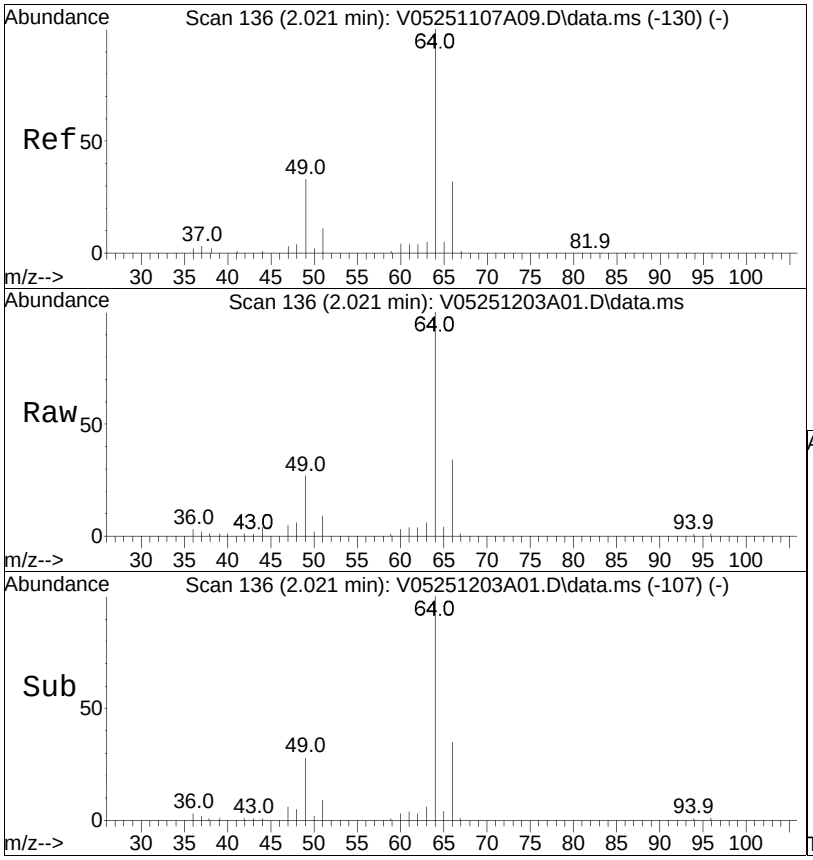


#5
Bromomethane
Concen: 3.73 ug/L
RT: 1.925 min Scan# 122
Delta R.T. -0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 94 Resp: 17473

Ion	Ratio	Lower	Upper
94	100		
96	96.0	73.9	113.9

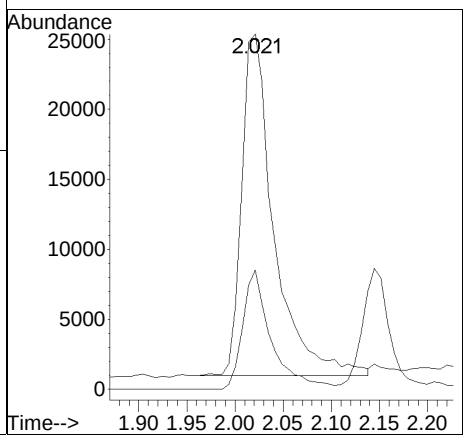


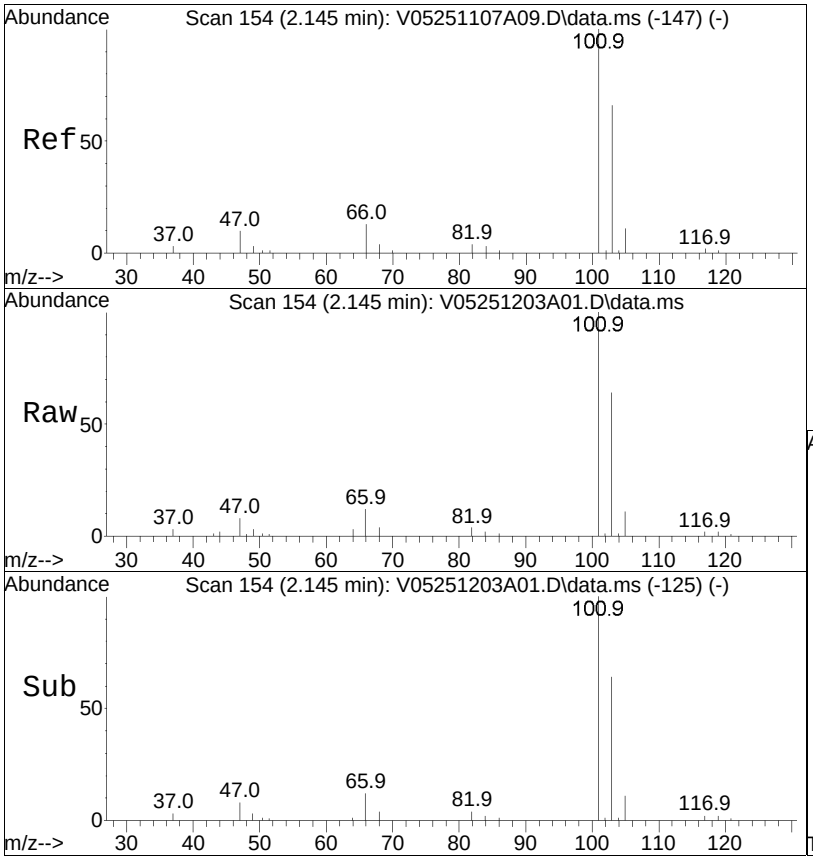


#6
Chloroethane
Concen: 7.65 ug/L
RT: 2.021 min Scan# 136
Delta R.T. 0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 64 Resp: 57166

Ion	Ratio	Lower	Upper
64	100		
66	30.8	9.5	49.5

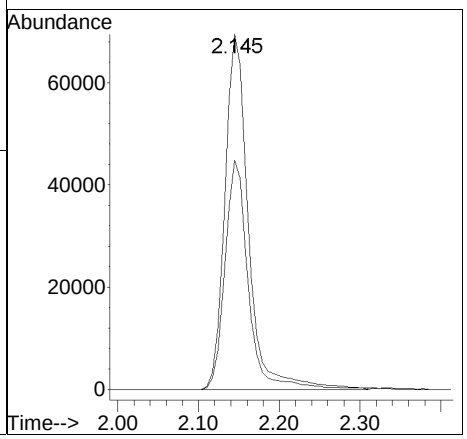


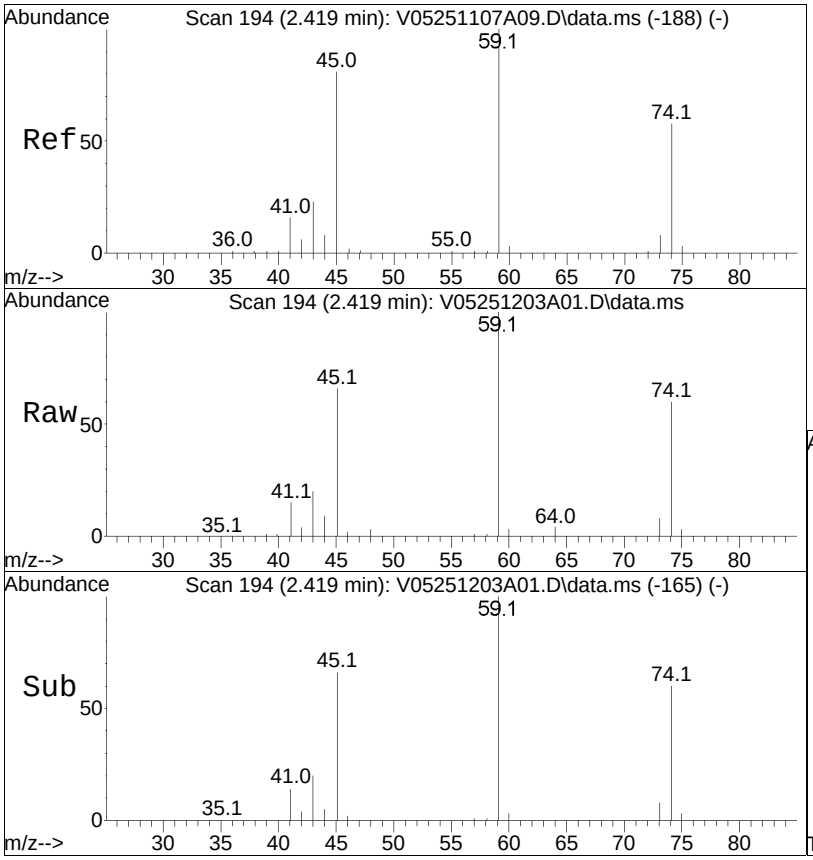


#7
Trichlorofluoromethane
Concen: 8.91 ug/L
RT: 2.145 min Scan# 154
Delta R.T. -0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:101 Resp: 141254

Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.8	77.8

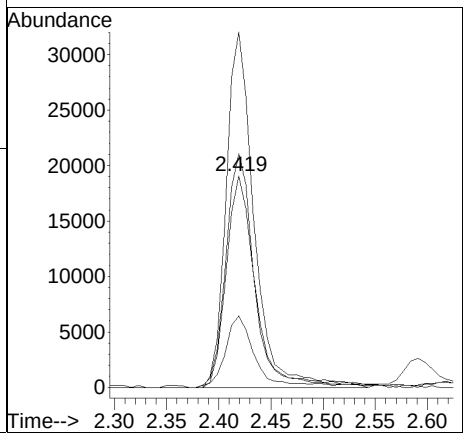


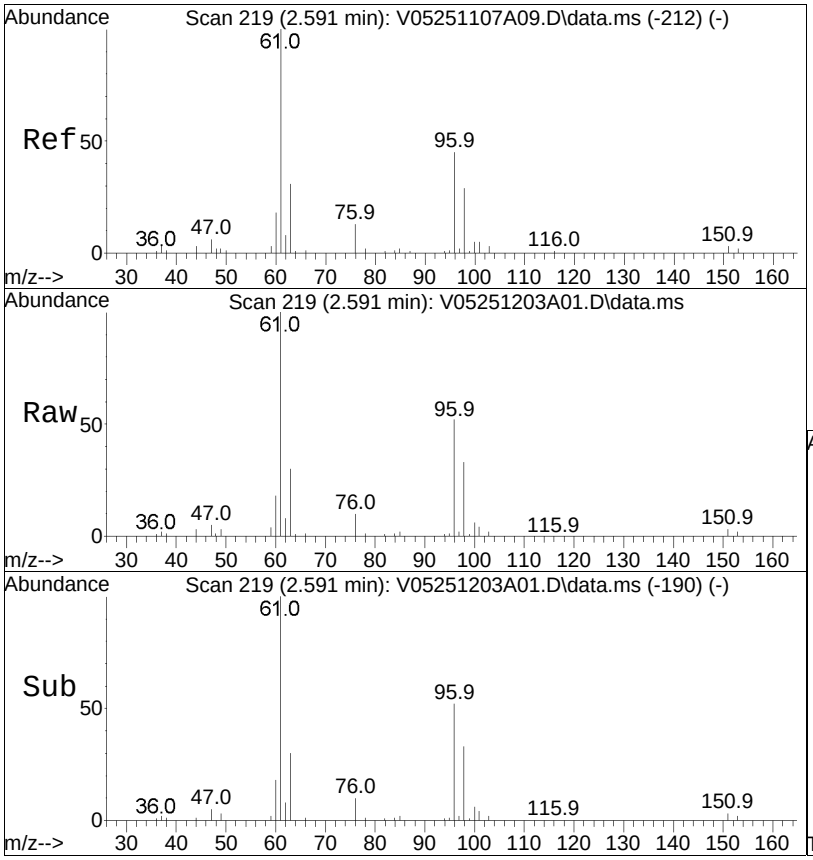


#8
Ethyl ether
Concen: 8.81 ug/L
RT: 2.419 min Scan# 194
Delta R.T. 0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 74 Resp: 36663

Ion	Ratio	Lower	Upper
74	100		
59	164.0	117.1	243.3
45	113.0	93.2	193.6
43	34.7	26.5	55.1

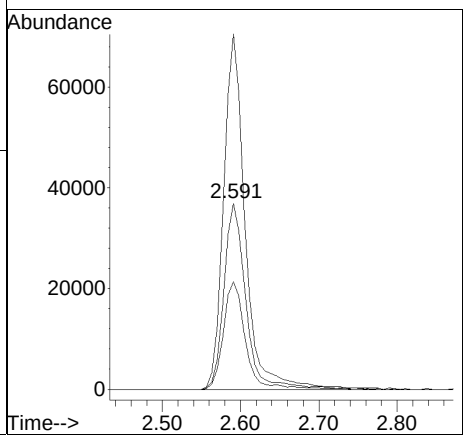


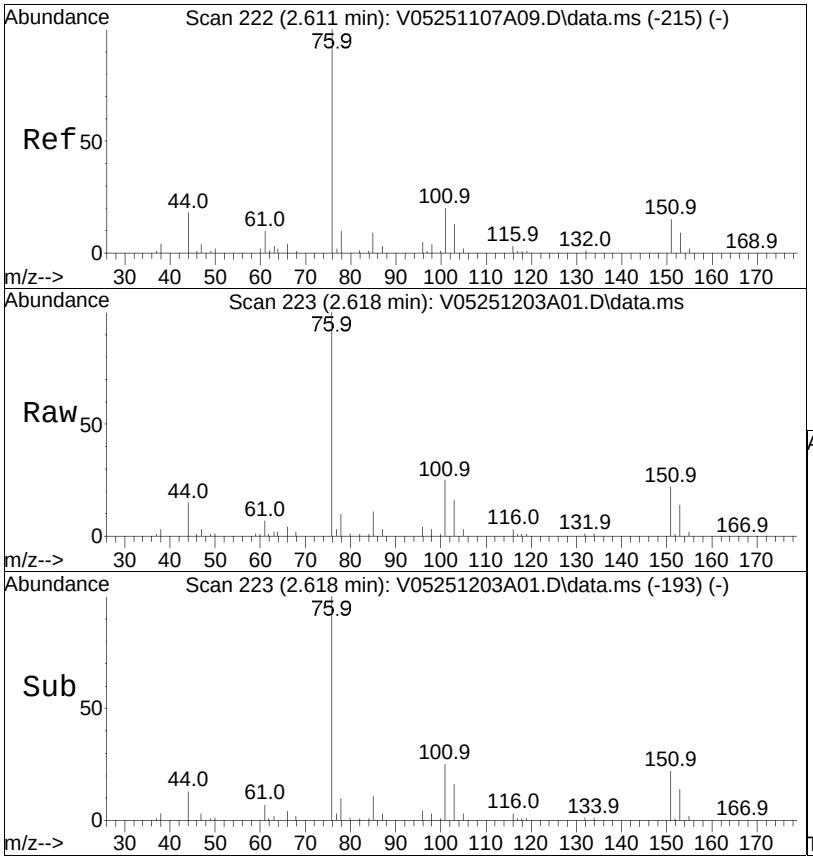


#10
1,1-Dichloroethene
Concen: 9.43 ug/L
RT: 2.591 min Scan# 219
Delta R.T. -0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 96 Resp: 72621

Ion	Ratio	Lower	Upper
96	100		
61	186.4	177.5	266.3
63	57.9	53.4	80.2

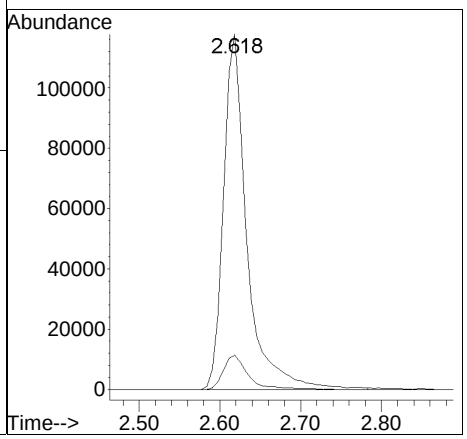


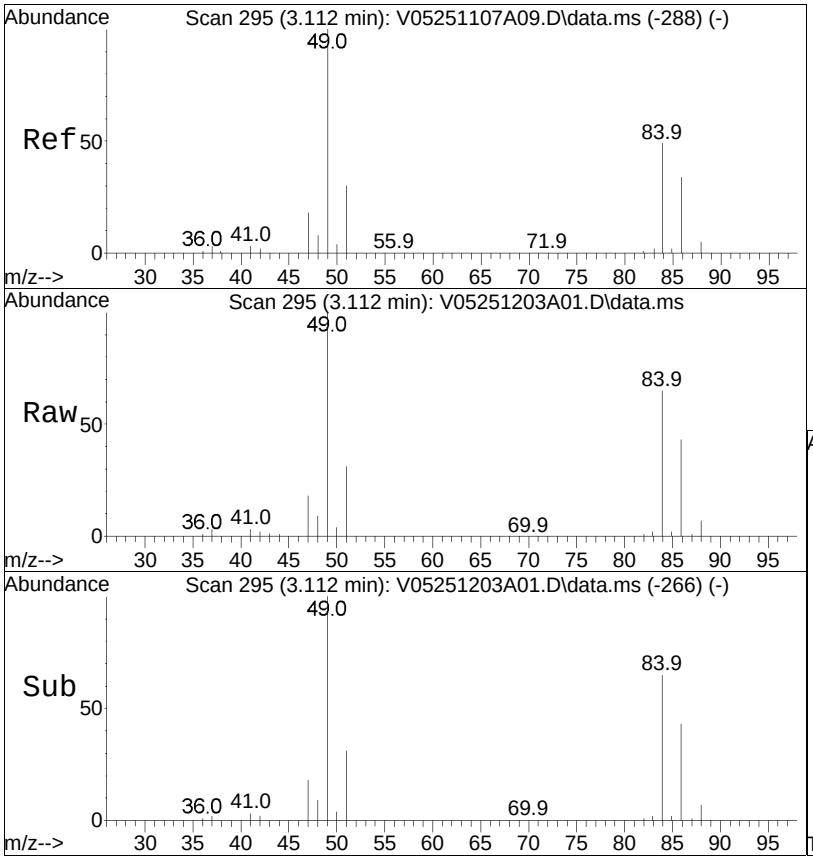


#11
Carbon disulfide
Concen: 8.80 ug/L
RT: 2.618 min Scan# 223
Delta R.T. 0.007 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 76 Resp: 237254

Ion	Ratio	Lower	Upper
76	100		
78	10.1	6.8	14.0

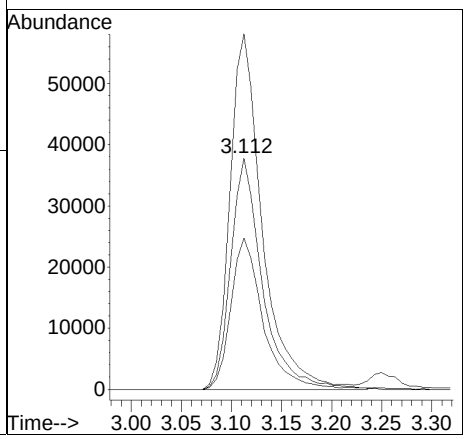


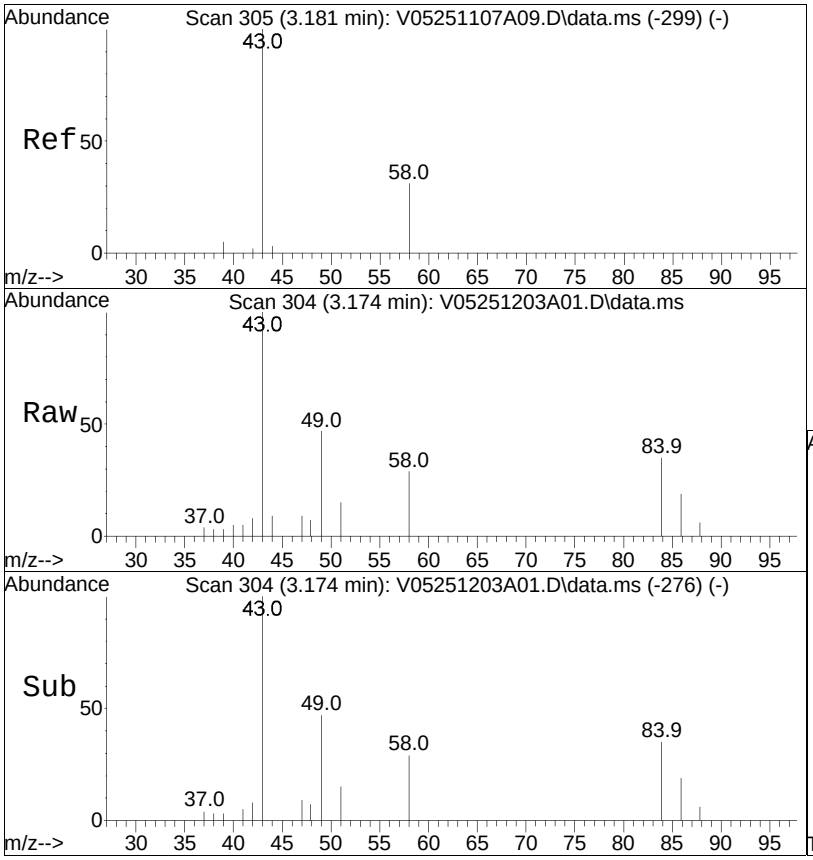


#15
Methylene chloride
Concen: 8.90 ug/L
RT: 3.112 min Scan# 295
Delta R.T. 0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 84 Resp: 83496

Ion	Ratio	Lower	Upper
84	100		
86	66.8	43.6	90.5
49	156.4	129.2	268.4

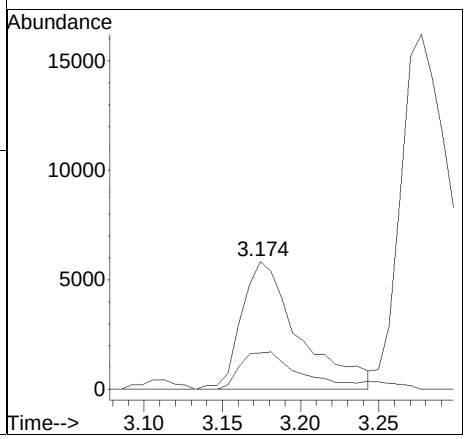


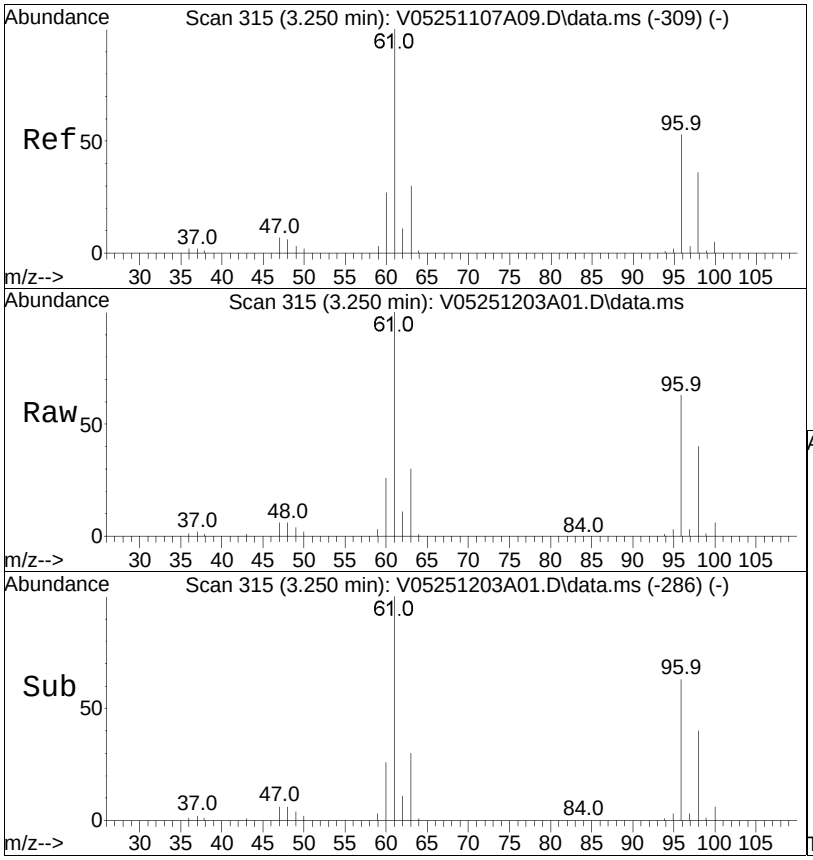


#17
Acetone
Concen: 7.67 ug/L
RT: 3.174 min Scan# 304
Delta R.T. -0.007 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 43 Resp: 14991

Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.9	37.3

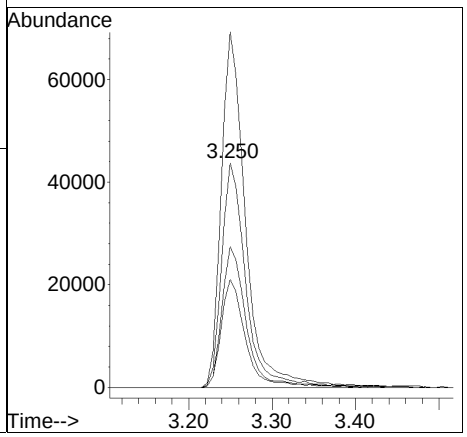


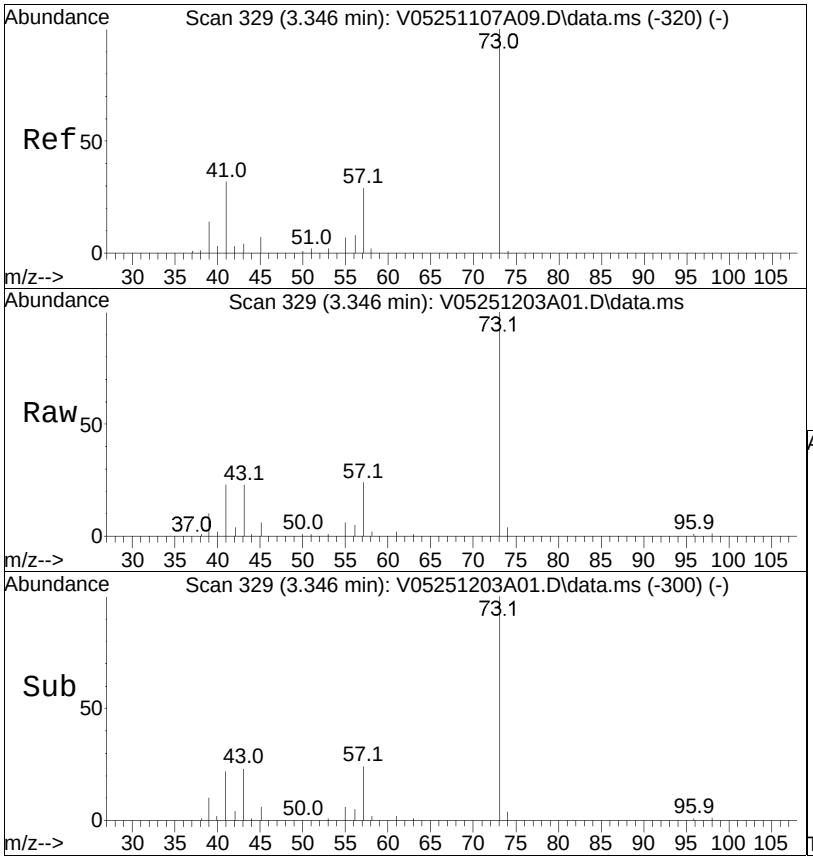


#18
trans-1,2-Dichloroethene
Concen: 9.62 ug/L
RT: 3.250 min Scan# 315
Delta R.T. -0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 96 Resp: 89171

Ion	Ratio	Lower	Upper
96	100		
61	157.9	118.7	246.5
98	62.6	41.9	87.1
63	48.3	35.9	74.5

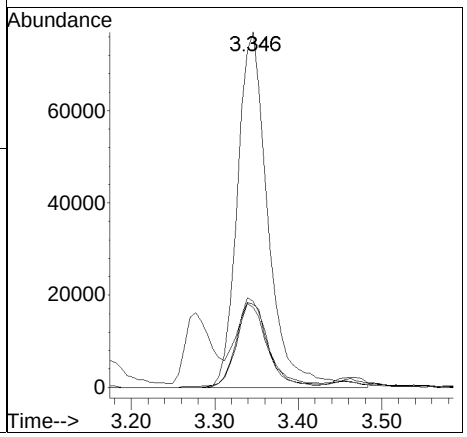


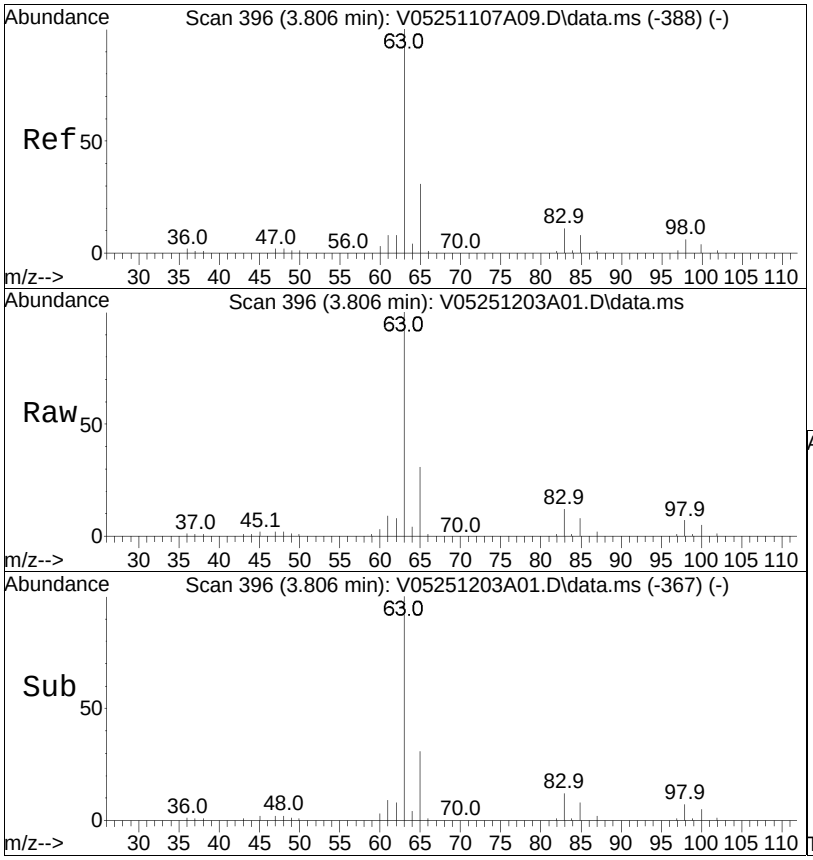


#20
Methyl tert-butyl ether
Concen: 9.67 ug/L
RT: 3.346 min Scan# 329
Delta R.T. -0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 73 Resp: 197360

Ion	Ratio	Lower	Upper
73	100		
57	25.7	18.7	38.9
43	23.9	18.8	39.0
41	23.8	21.3	44.1

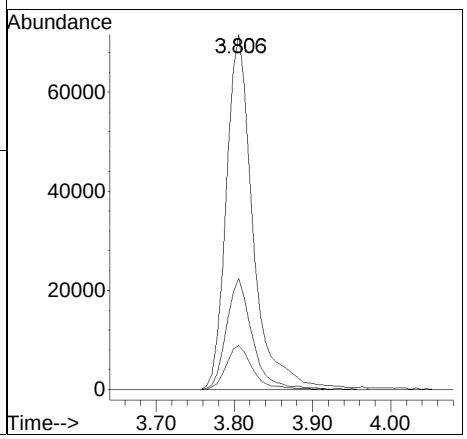


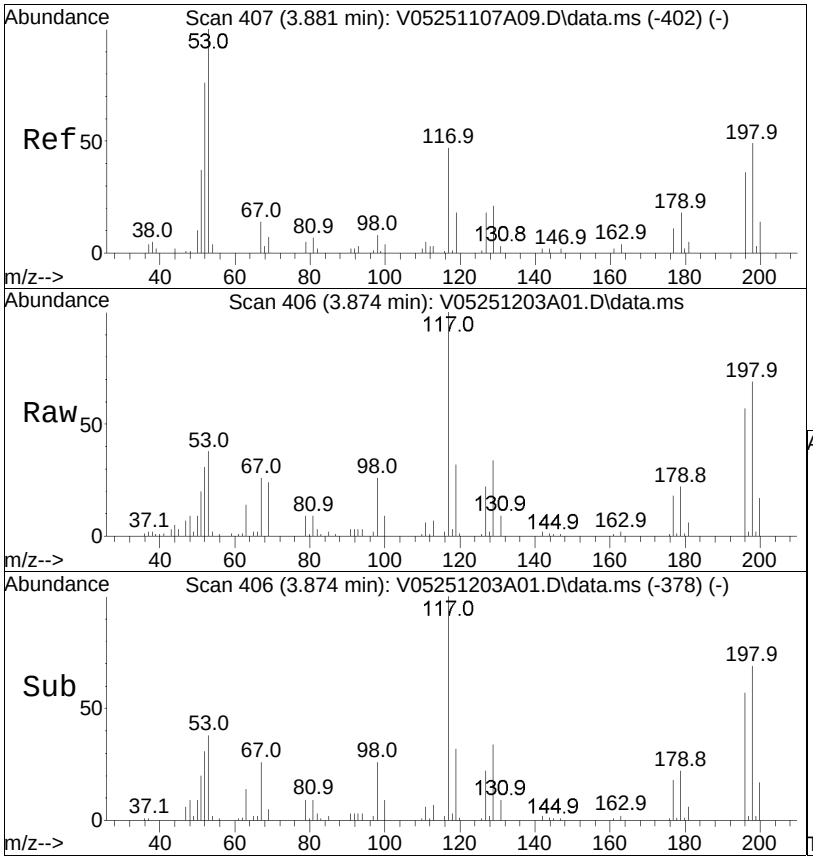


#23
1,1-Dichloroethane
Concen: 8.18 ug/L
RT: 3.806 min Scan# 396
Delta R.T. -0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 63 Resp: 170767

Ion	Ratio	Lower	Upper
63	100		
65	30.2	9.4	49.4
83	12.2	0.0	30.9

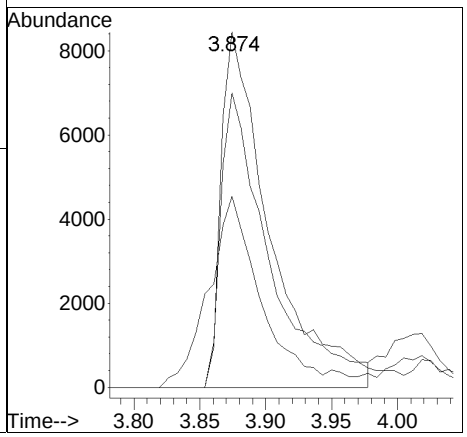


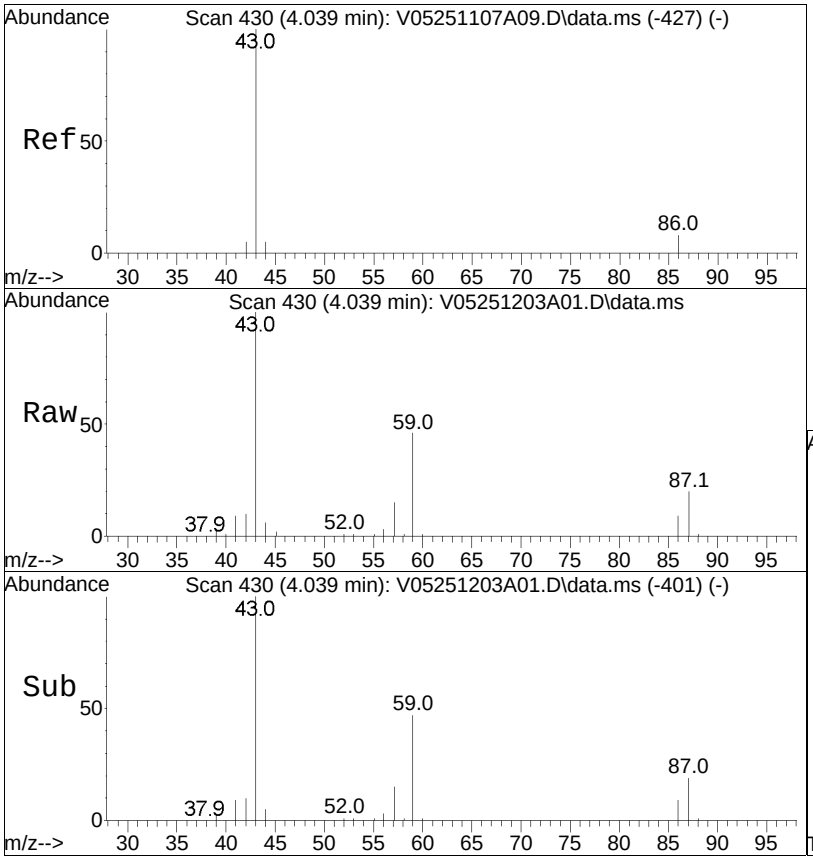


#25
Acrylonitrile
Concen: 8.17 ug/L
RT: 3.874 min Scan# 406
Delta R.T. -0.007 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 53 Resp: 21812

Ion	Ratio	Lower	Upper
53	100		
52	85.1	64.6	96.8
51	59.3	51.3	76.9

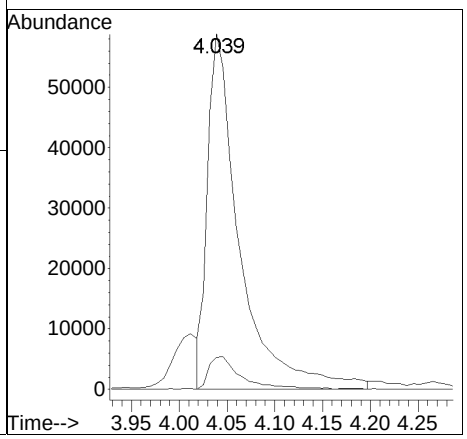


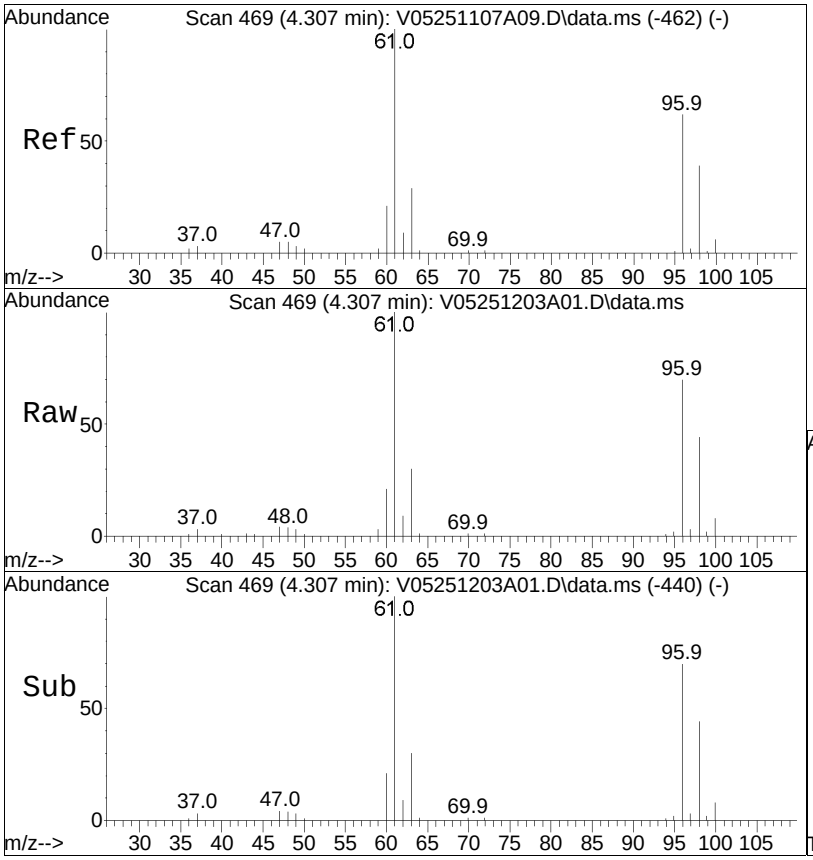


#27
Vinyl acetate
Concen: 6.79 ug/L M6
RT: 4.039 min Scan# 430
Delta R.T. 0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 43 Resp: 138831

Ion	Ratio	Lower	Upper
43	100		
86	9.3	5.4	8.2#

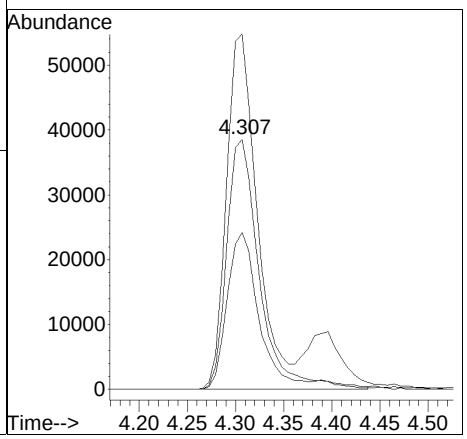


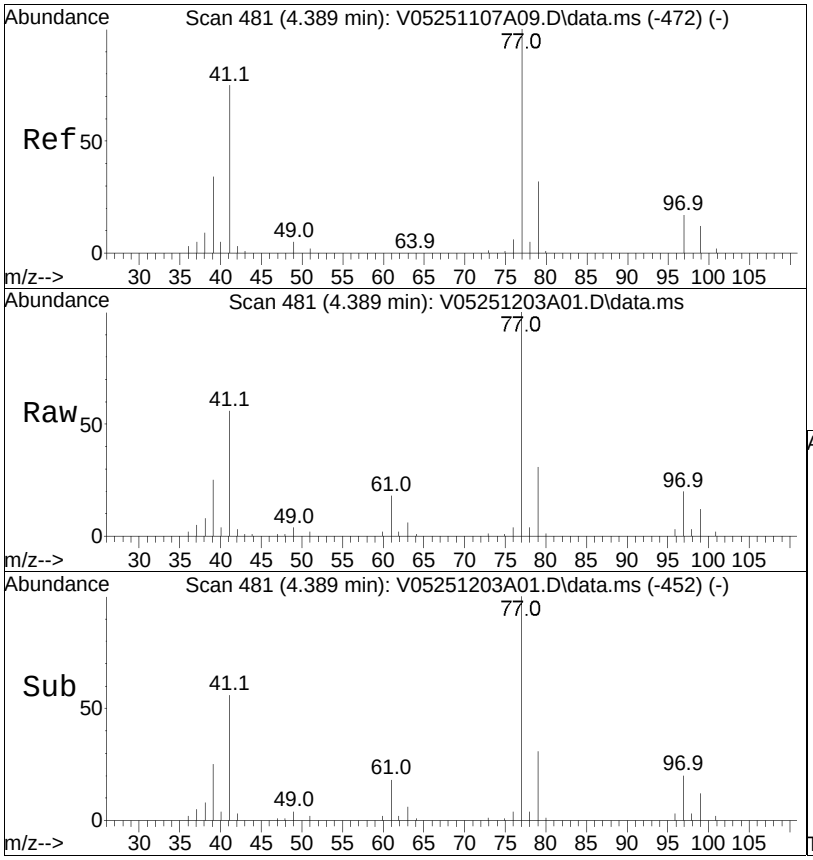


#28
cis-1,2-Dichloroethene
Concen: 8.81 ug/L
RT: 4.307 min Scan# 469
Delta R.T. -0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 96 Resp: 91463

Ion	Ratio	Lower	Upper
96	100		
61	131.6	122.5	183.7
98	60.6	50.2	75.4

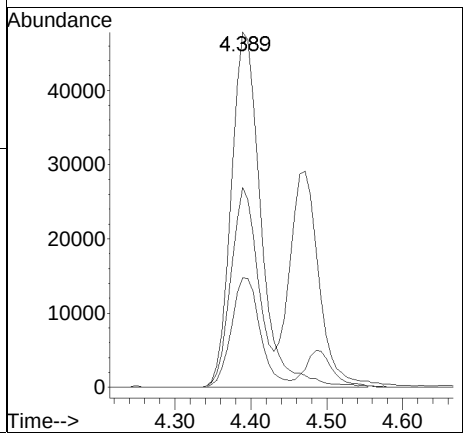


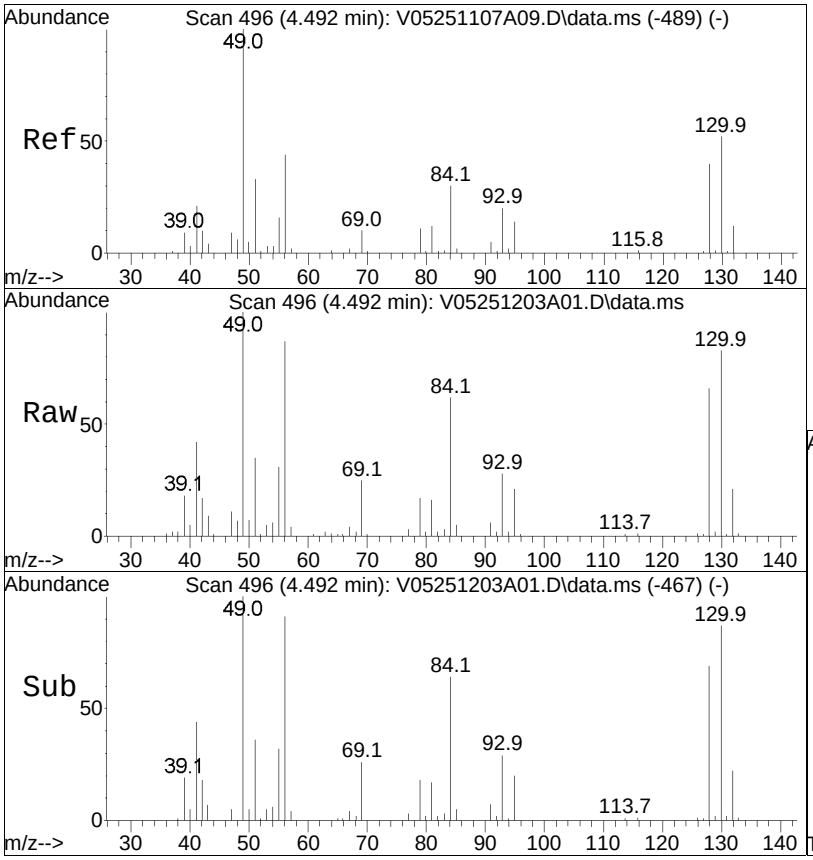


#29
2,2-Dichloropropane
Concen: 8.95 ug/L
RT: 4.389 min Scan# 481
Delta R.T. 0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 77 Resp: 130092

Ion	Ratio	Lower	Upper
77	100		
41	52.0	43.7	90.9
79	30.3	20.0	41.6

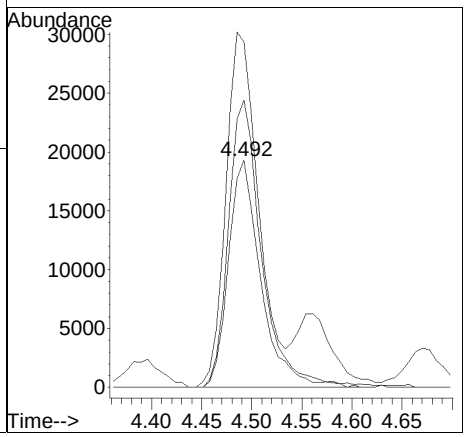


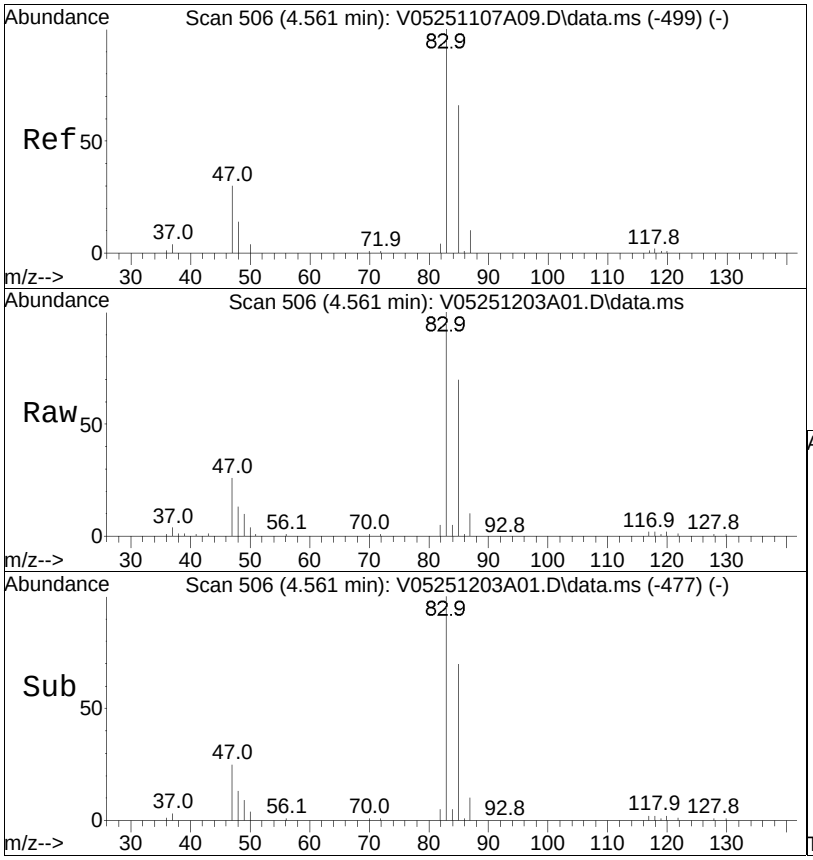


#30
Bromochloromethane
Concen: 9.96 ug/L
RT: 4.492 min Scan# 496
Delta R.T. 0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:128 Resp: 43636

Ion	Ratio	Lower	Upper
128	100		
49	156.5	192.5	288.7#
130	130.1	103.4	155.0

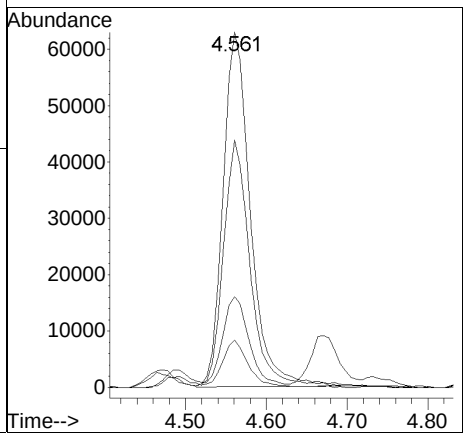


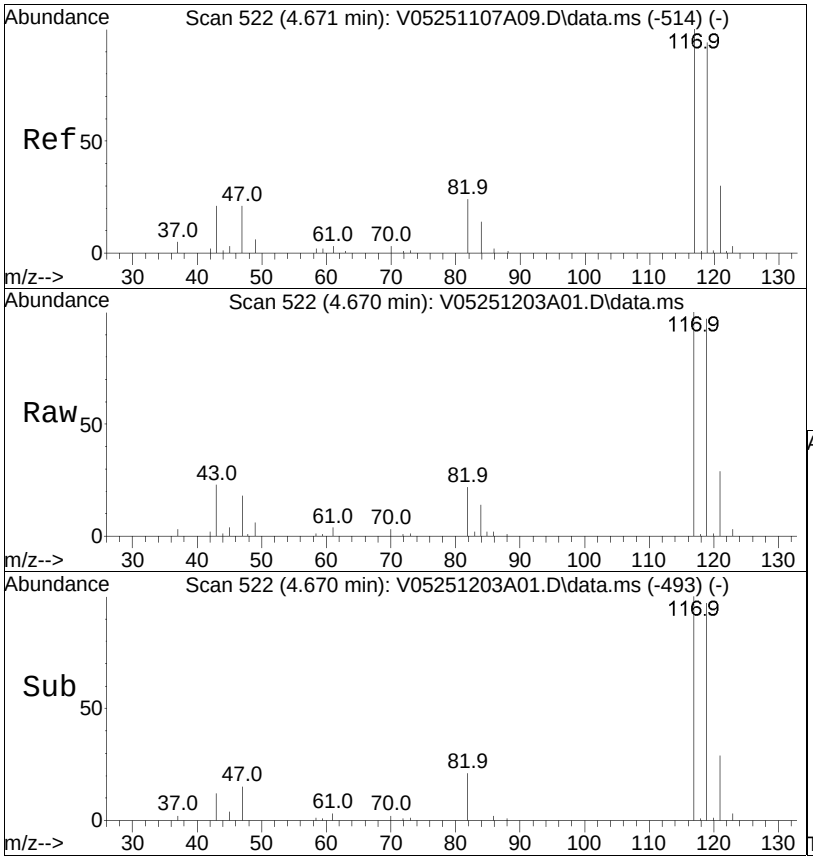


#32
Chloroform
Concen: 8.25 ug/L
RT: 4.561 min Scan# 506
Delta R.T. -0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 83 Resp: 148811

Ion	Ratio	Lower	Upper
83	100		
85	67.7	42.7	88.7
47	22.8	18.5	38.3
48	12.7	10.1	20.9

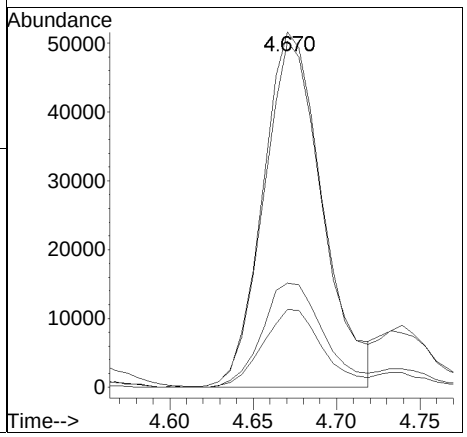


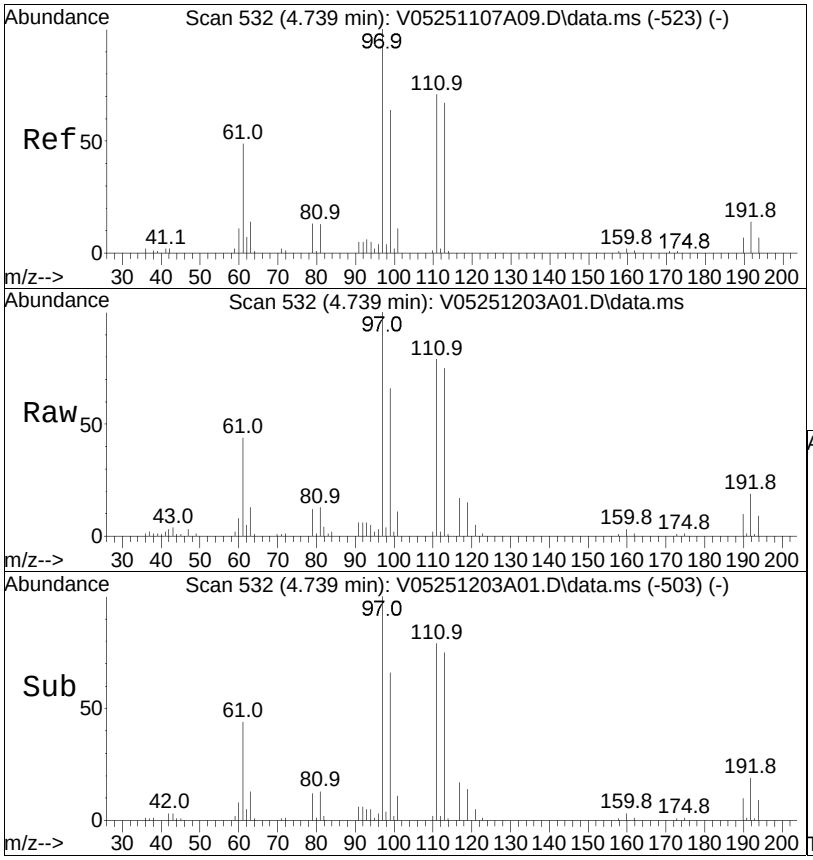


#34
Carbon tetrachloride
Concen: 8.67 ug/L
RT: 4.670 min Scan# 522
Delta R.T. -0.001 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:117 Resp: 128788

Ion	Ratio	Lower	Upper
117	100		
119	96.0	63.1	131.1
121	30.3	20.4	42.4
82	22.1	15.2	31.6

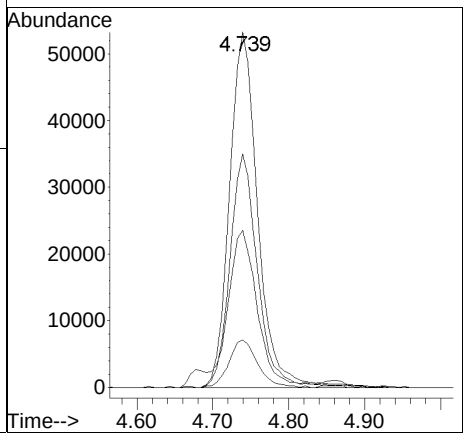


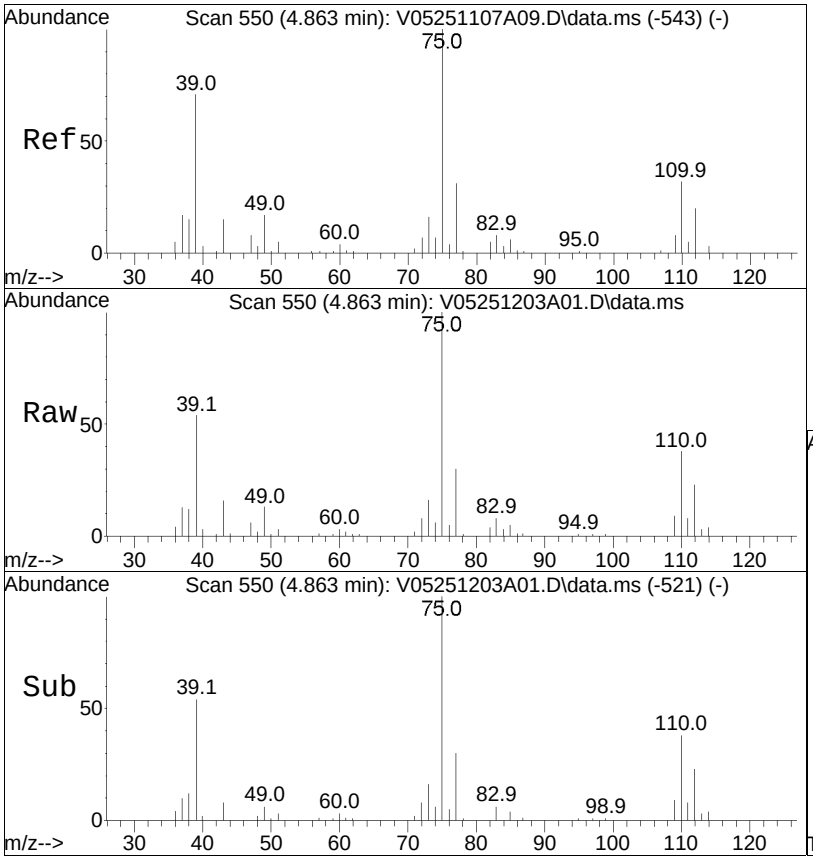


#37
1,1,1-Trichloroethane
Concen: 8.66 ug/L
RT: 4.739 min Scan# 532
Delta R.T. 0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 97 Resp: 138037

Ion	Ratio	Lower	Upper
97	100		
99	64.1	41.6	86.4
61	45.8	34.1	70.9
63	13.5	10.7	22.3

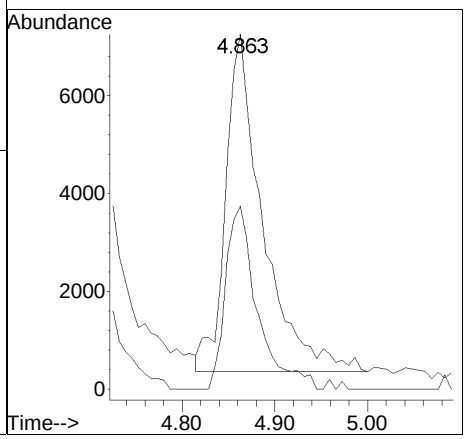


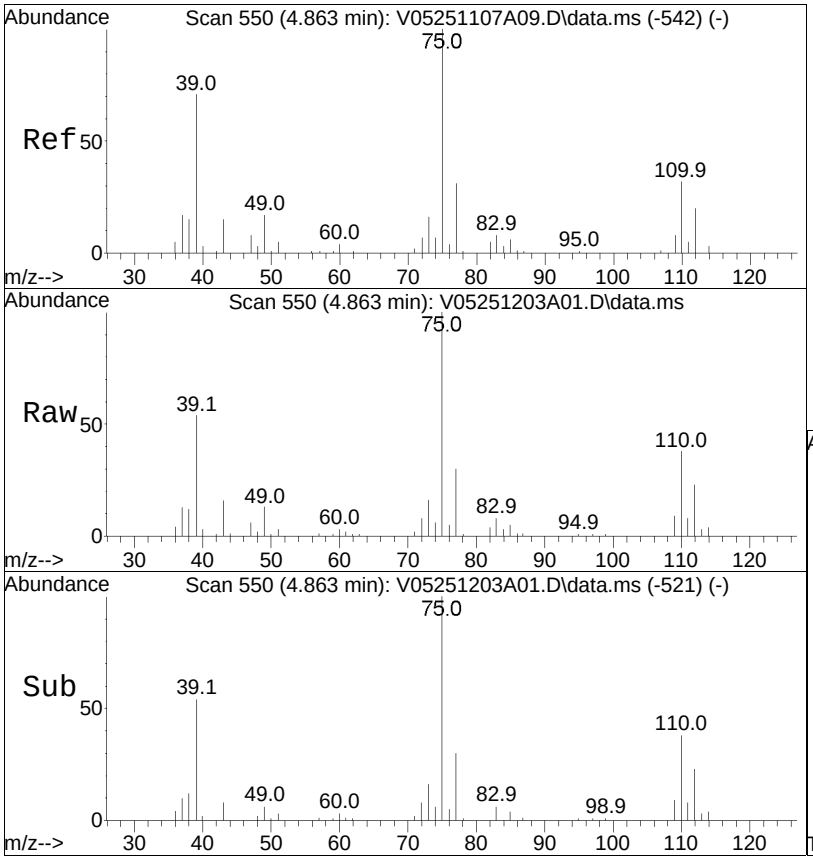


#39
2-Butanone
Concen: 6.65 ug/L
RT: 4.863 min Scan# 550
Delta R.T. -0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 43 Resp: 19184

Ion	Ratio	Lower	Upper
43	100		
72	46.8	33.3	49.9

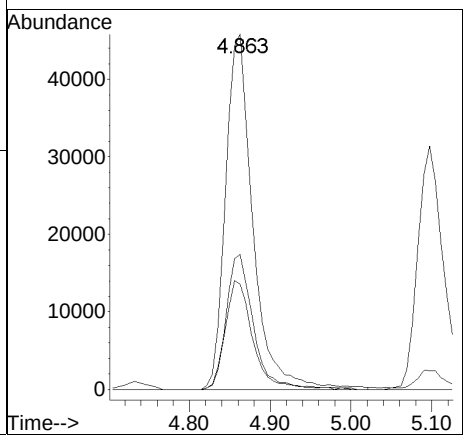


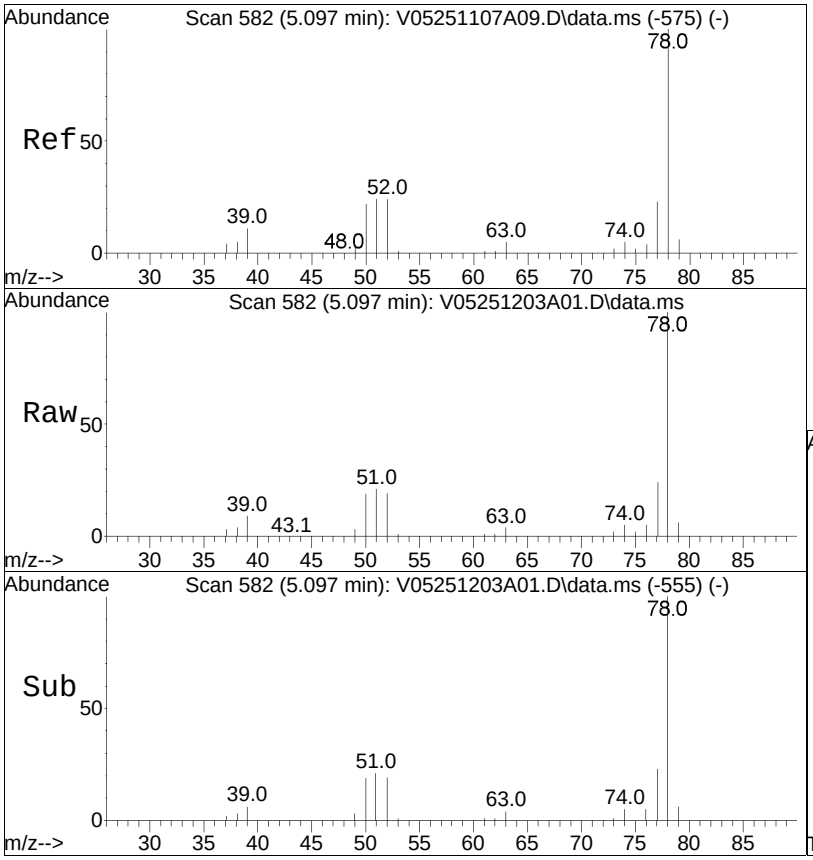


#40
1,1-Dichloropropene
Concen: 8.65 ug/L
RT: 4.863 min Scan# 550
Delta R.T. -0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 75 Resp: 108339

Ion	Ratio	Lower	Upper
75	100		
110	37.8	21.7	45.1
77	30.6	20.0	41.6

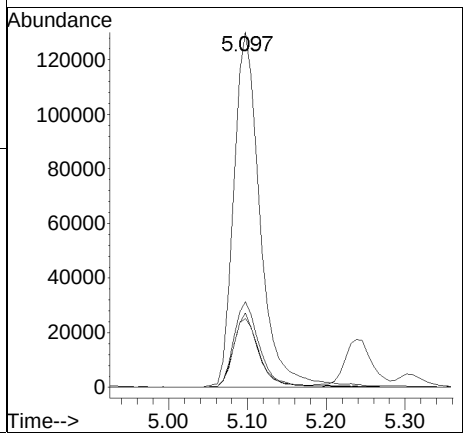


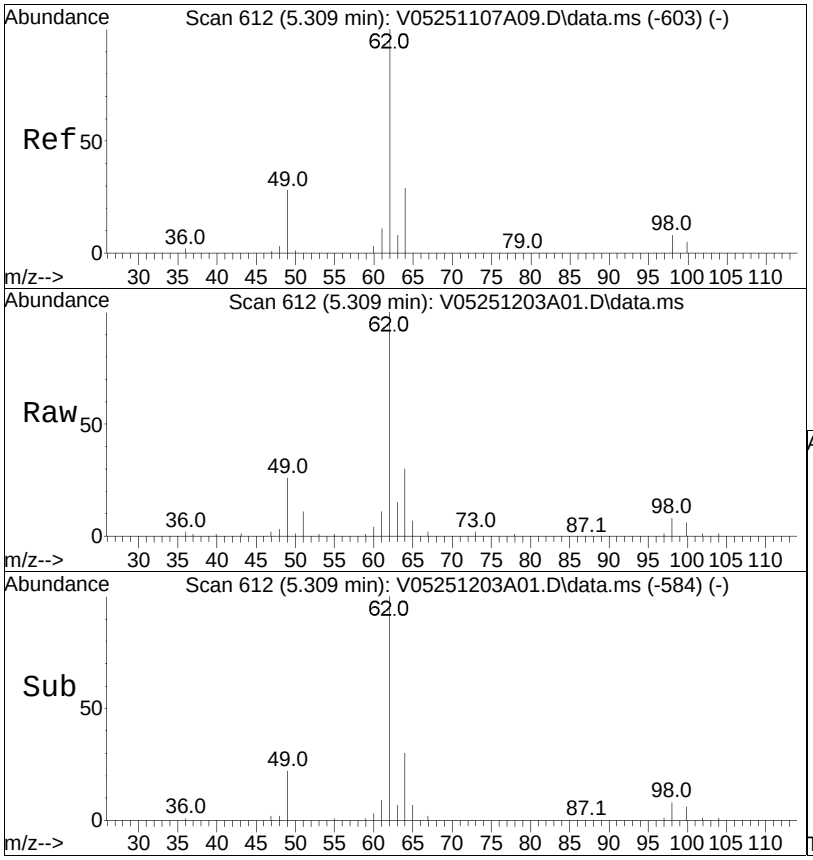


#41
Benzene
Concen: 8.36 ug/L
RT: 5.097 min Scan# 582
Delta R.T. 0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 78 Resp: 323443

Ion	Ratio	Lower	Upper
78	100		
77	23.9	15.2	31.6
51	20.4	16.1	33.5
52	19.8	15.9	32.9

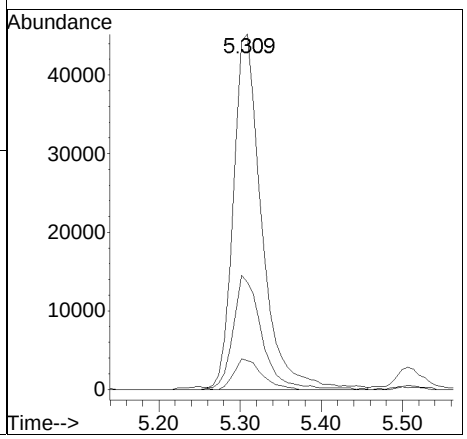


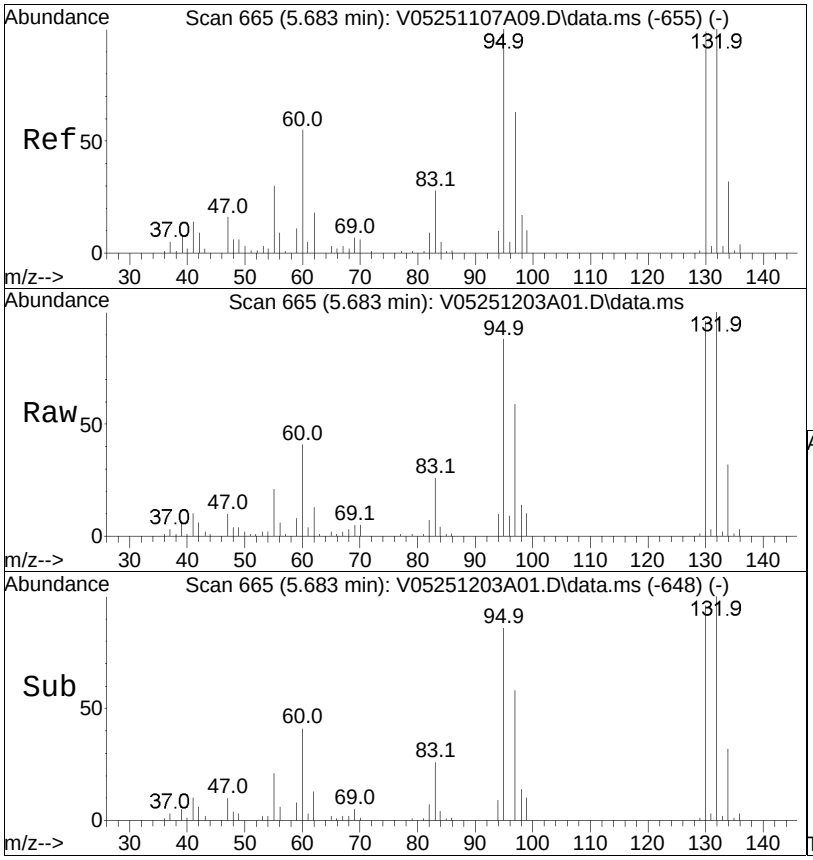


#44
1,2-Dichloroethane
Concen: 7.92 ug/L
RT: 5.309 min Scan# 612
Delta R.T. -0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 62 Resp: 110060

Ion	Ratio	Lower	Upper
62	100		
64	32.6	11.9	51.9
98	8.4	0.0	27.6

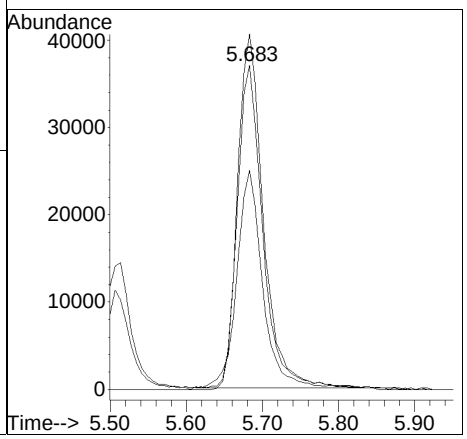


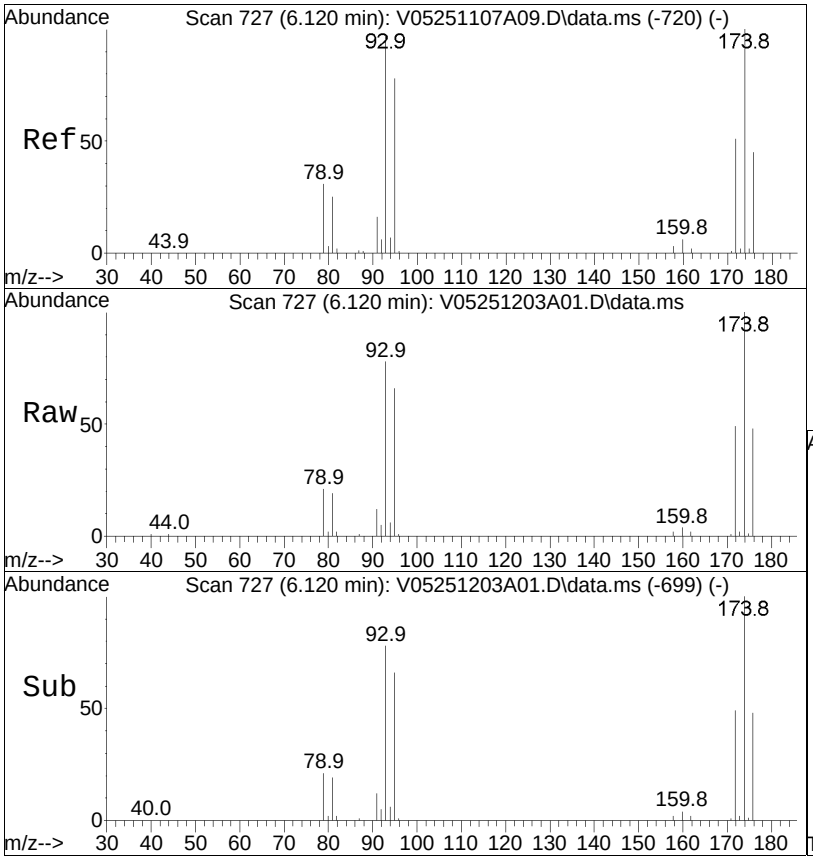


#48
Trichloroethene
Concen: 8.19 ug/L
RT: 5.683 min Scan# 665
Delta R.T. -0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 95 Resp: 86502

Ion	Ratio	Lower	Upper
95	100		
97	69.3	54.4	81.6
130	112.0	82.2	123.4

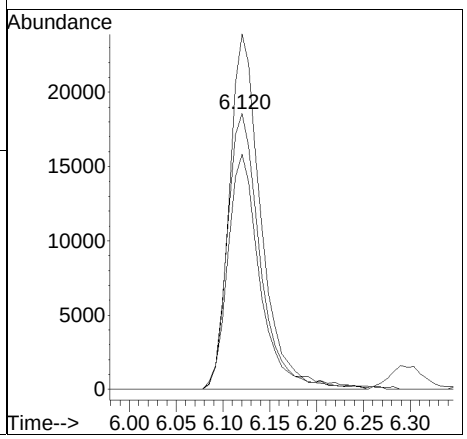


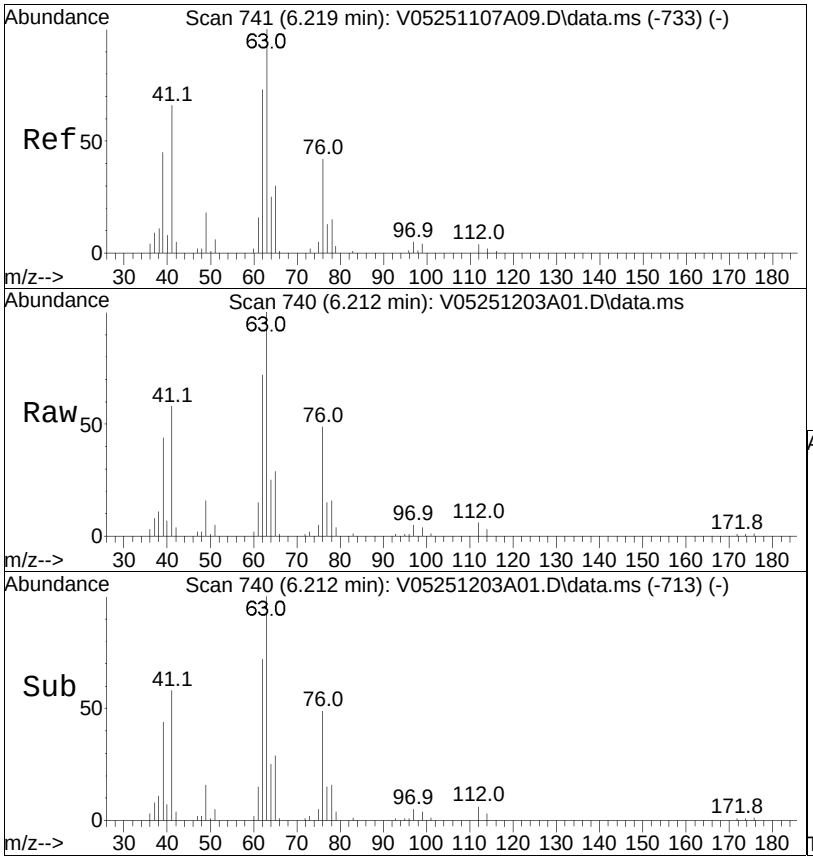


#50
Dibromomethane
Concen: 8.97 ug/L
RT: 6.120 min Scan# 727
Delta R.T. 0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 93 Resp: 45301

Ion	Ratio	Lower	Upper
93	100		
95	84.5	66.5	99.7
174	125.9	82.2	123.4#

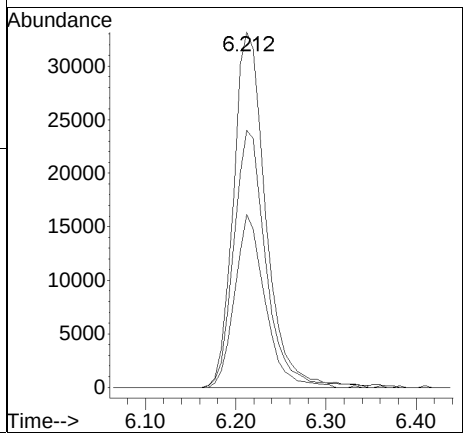


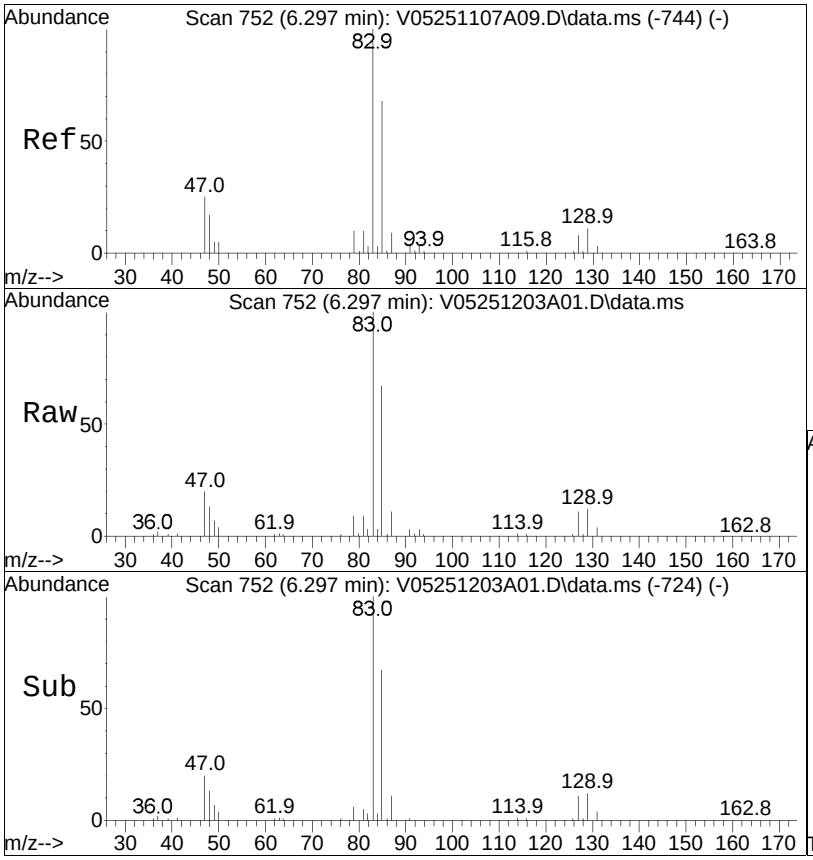


#51
1,2-Dichloropropane
Concen: 7.54 ug/L
RT: 6.212 min Scan# 740
Delta R.T. -0.007 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 63 Resp: 82671

Ion	Ratio	Lower	Upper
63	100		
62	72.0	59.0	88.6
76	45.6	32.7	49.1

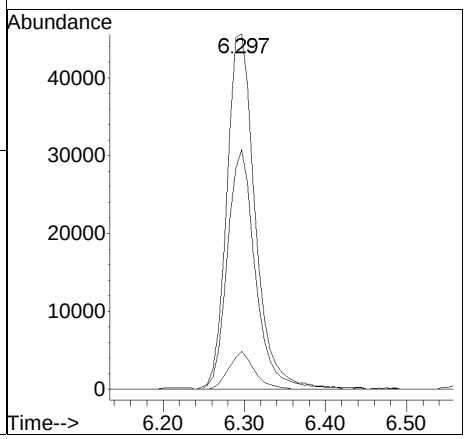


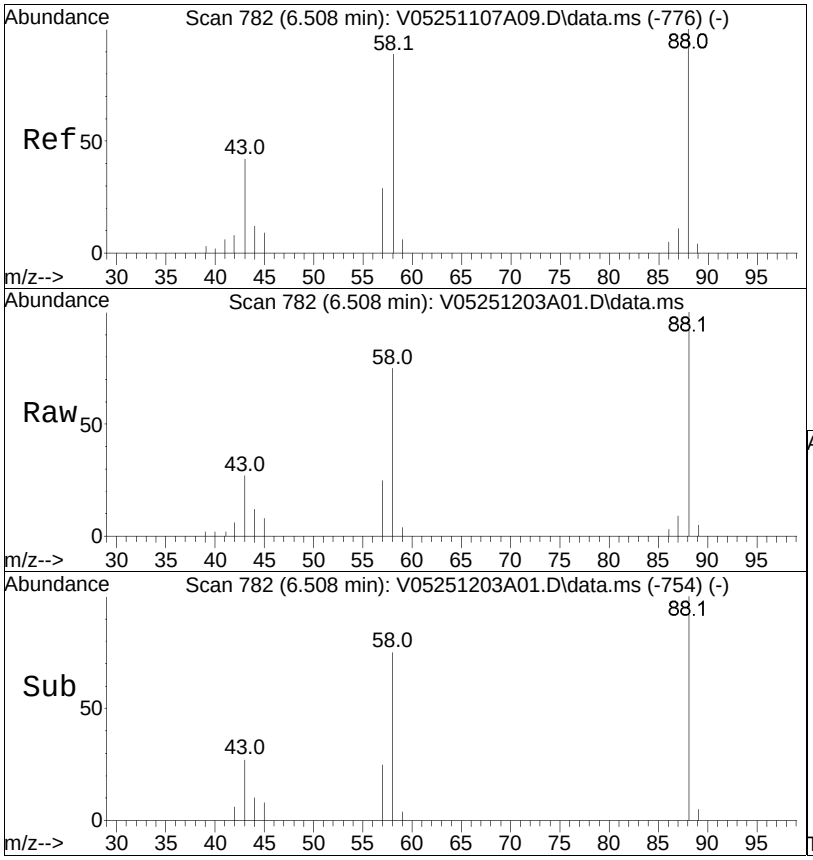


#54
Bromodichloromethane
Concen: 8.47 ug/L
RT: 6.297 min Scan# 752
Delta R.T. -0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 83 Resp: 111340

Ion	Ratio	Lower	Upper
83	100		
85	66.7	53.0	79.6
127	9.7	7.0	10.4

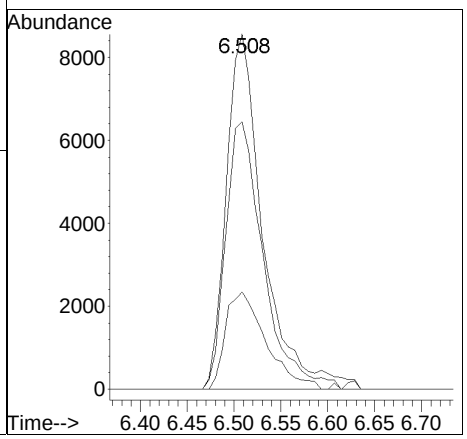


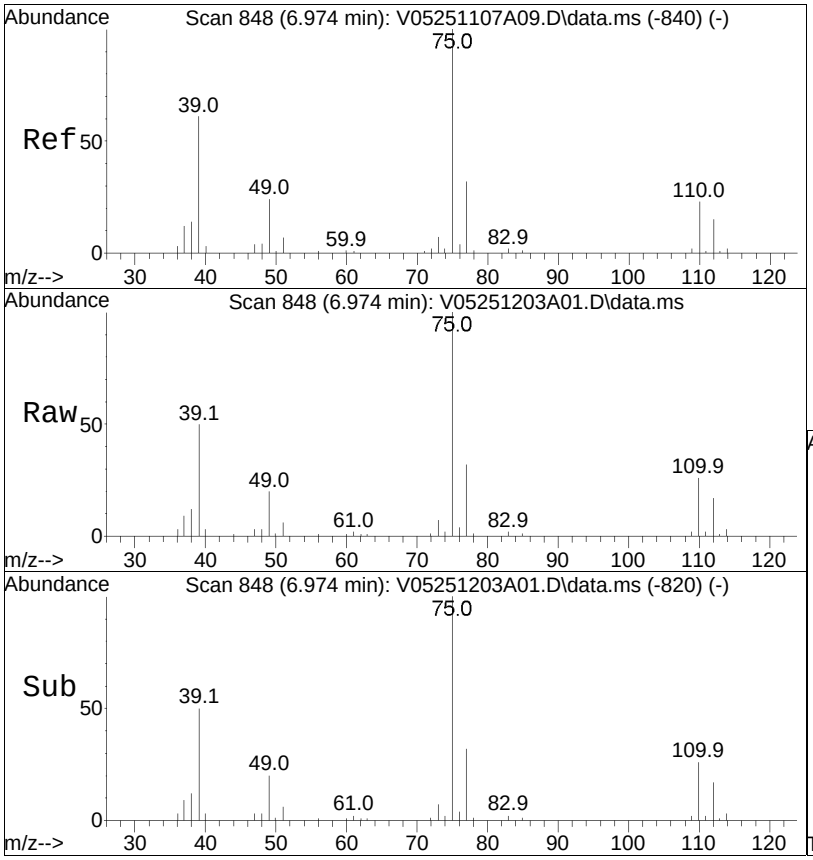


#57
1,4-Dioxane
Concen: 531.72 ug/L
RT: 6.508 min Scan# 782
Delta R.T. 0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 88 Resp: 23425

Ion	Ratio	Lower	Upper
88	100		
58	77.3	73.2	109.8
43	30.2	32.9	49.3#

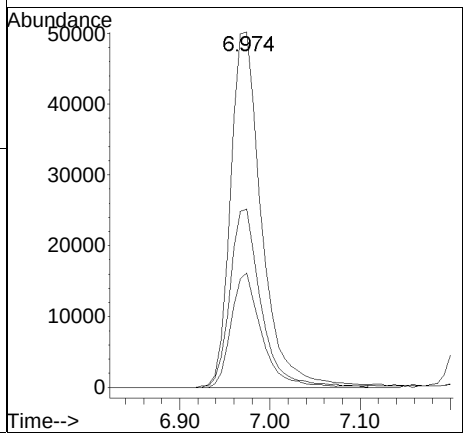


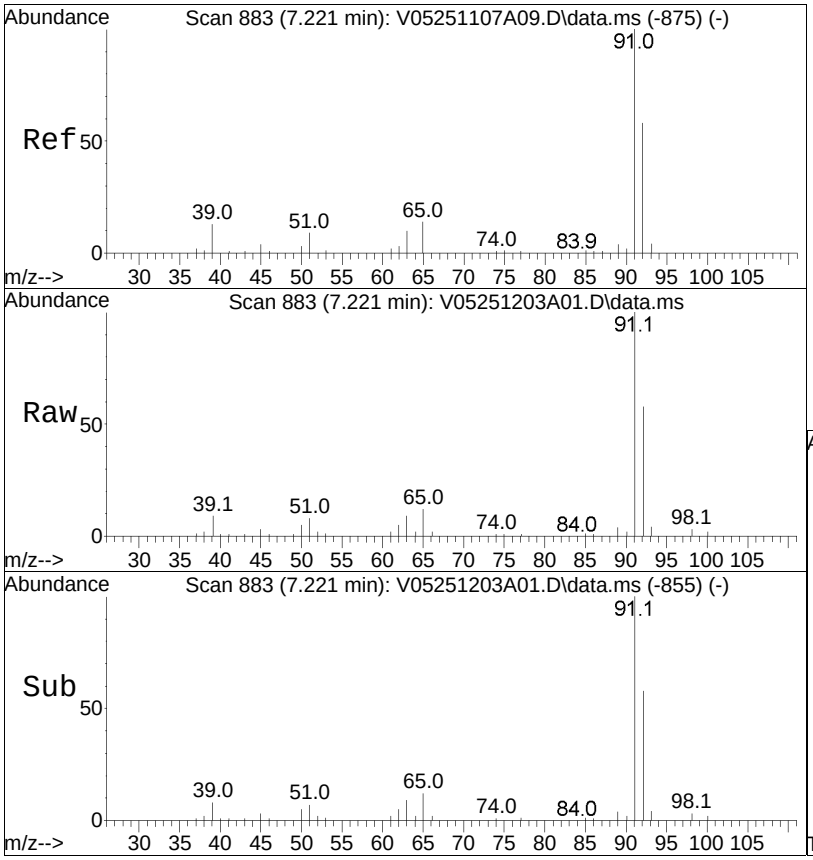


#58
cis-1,3-Dichloropropene
Concen: 8.17 ug/L
RT: 6.974 min Scan# 848
Delta R.T. 0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 75 Resp: 120535

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.4
39	50.1	50.1	75.1

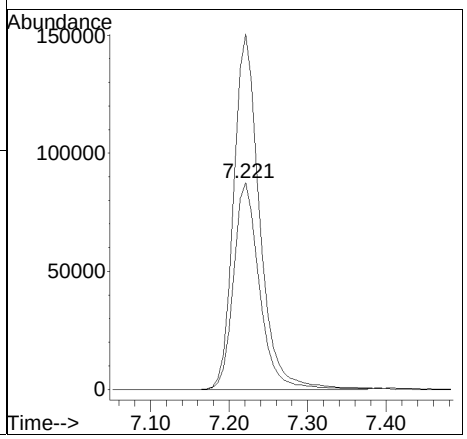


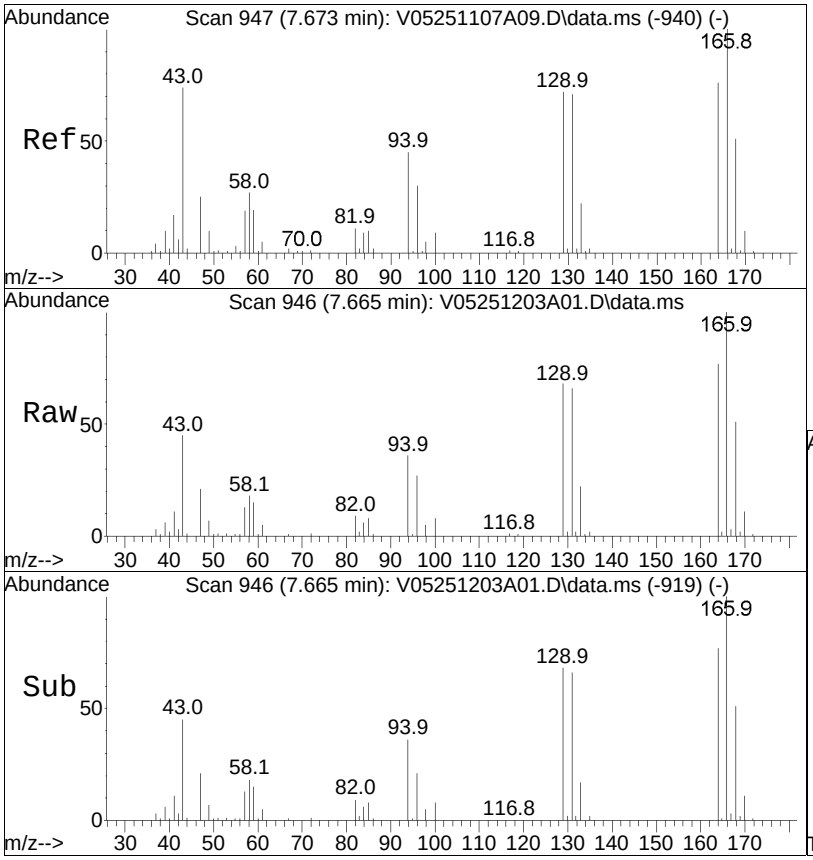


#61
Toluene
Concen: 8.10 ug/L
RT: 7.221 min Scan# 883
Delta R.T. -0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 92 Resp: 200930

Ion	Ratio	Lower	Upper
92	100		
91	172.1	136.6	205.0

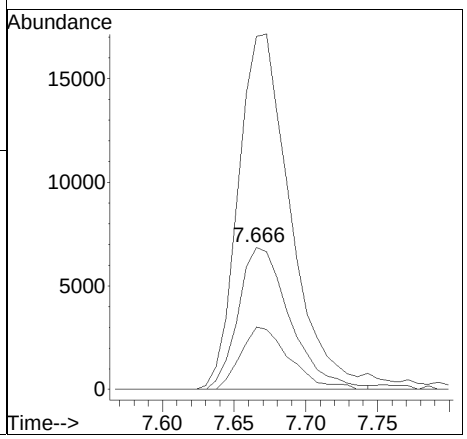


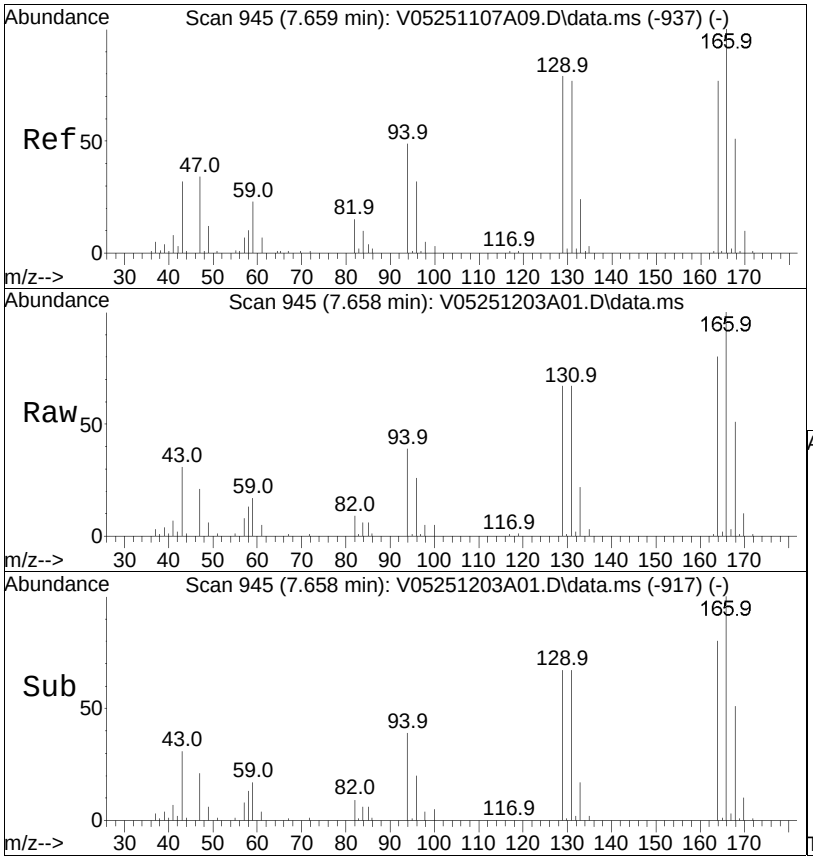


#62
4-Methyl-2-pentanone
Concen: 7.25 ug/L
RT: 7.665 min Scan# 946
Delta R.T. -0.008 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 58 Resp: 17243

Ion	Ratio	Lower	Upper
58	100		
100	41.5	25.6	38.4#
43	257.8	235.2	352.8

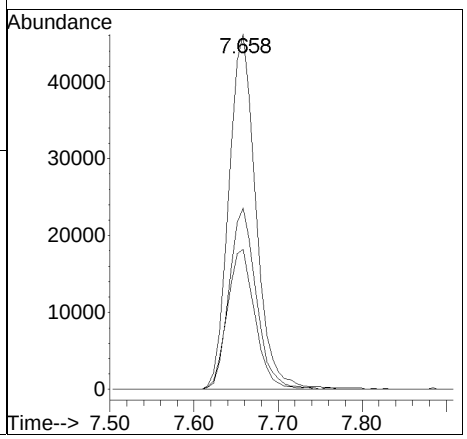


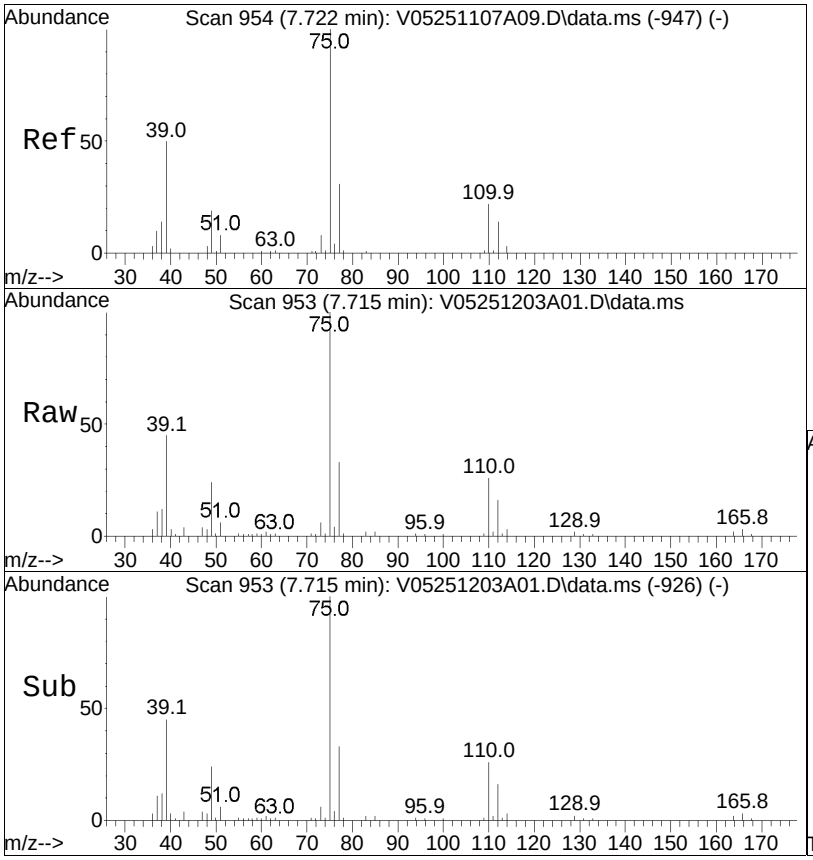


#63
Tetrachloroethene
Concen: 9.79 ug/L
RT: 7.658 min Scan# 945
Delta R.T. -0.001 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:166 Resp: 104097

Ion	Ratio	Lower	Upper
166	100		
168	50.9	29.2	69.2
94	40.2	29.6	69.6

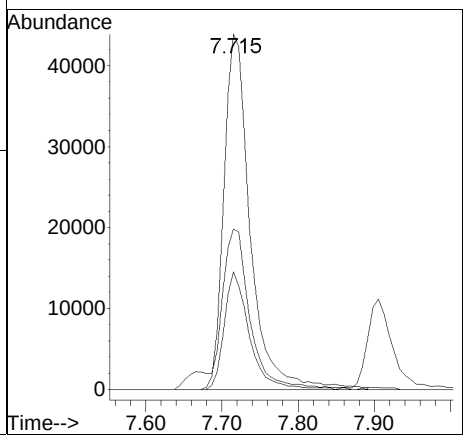


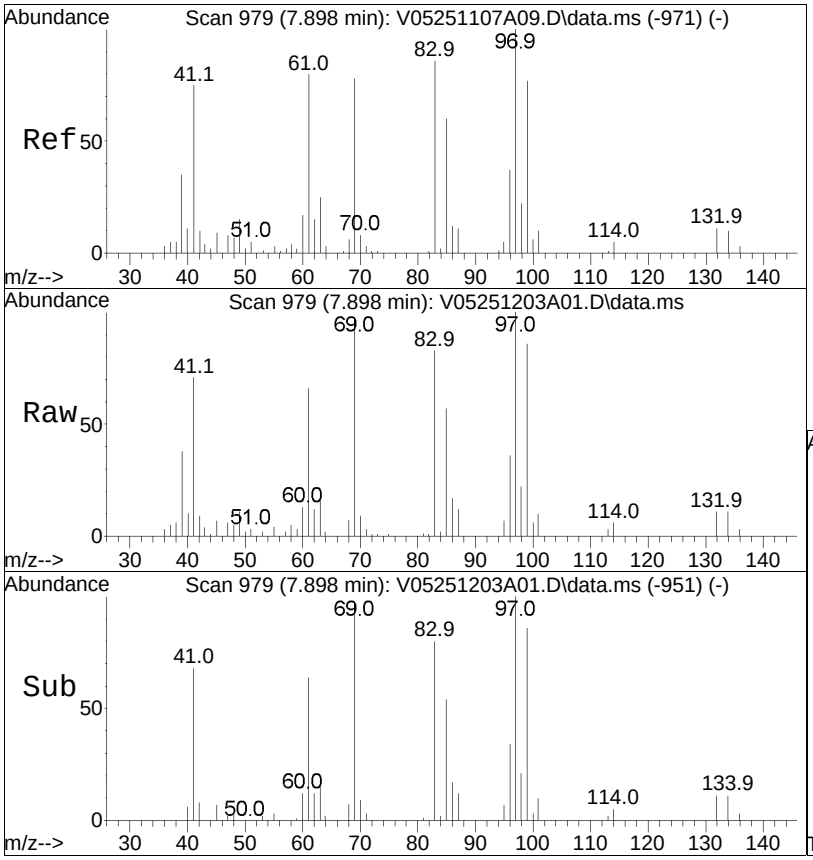


#65
trans-1,3-Dichloropropene
Concen: 8.16 ug/L
RT: 7.715 min Scan# 953
Delta R.T. -0.007 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 75 Resp: 106038

Ion	Ratio	Lower	Upper
75	100		
77	31.3	10.4	50.4
39	51.2	44.9	84.9

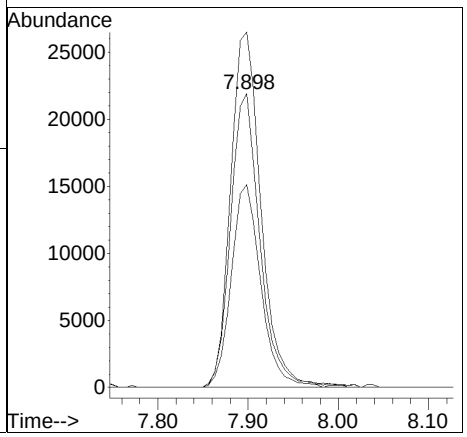


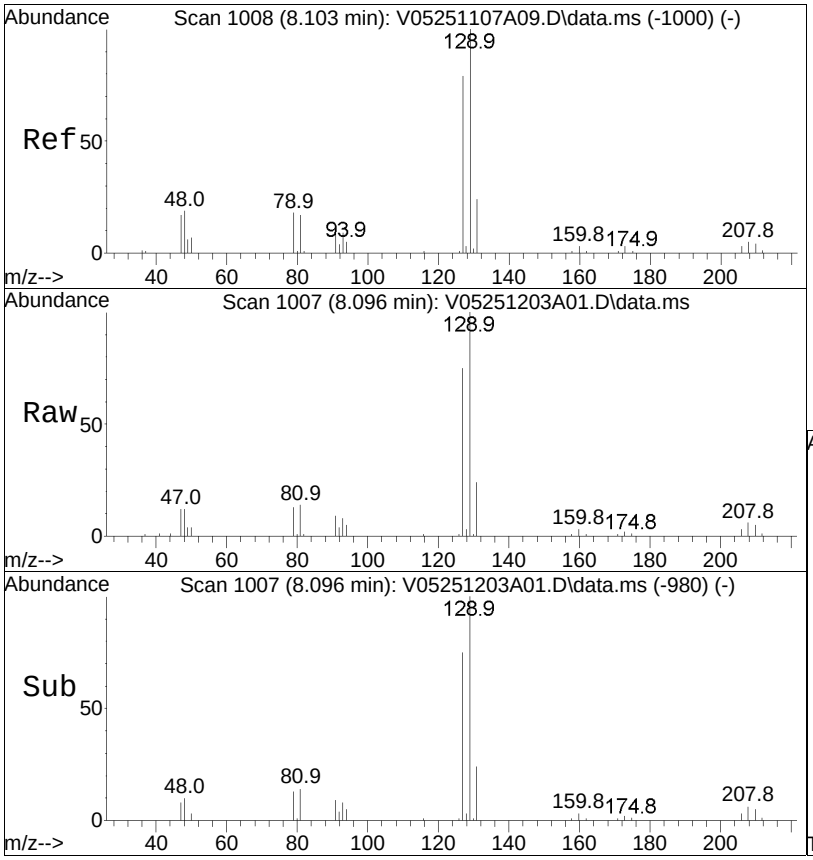


#68
1,1,2-Trichloroethane
Concen: 8.64 ug/L
RT: 7.898 min Scan# 979
Delta R.T. 0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 83 Resp: 50076

Ion	Ratio	Lower	Upper
83	100		
97	124.7	98.0	138.0
85	68.9	50.6	90.6

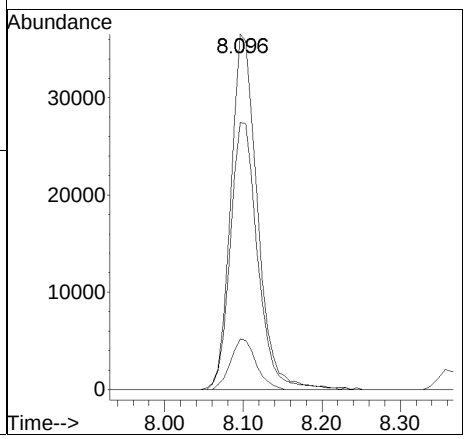


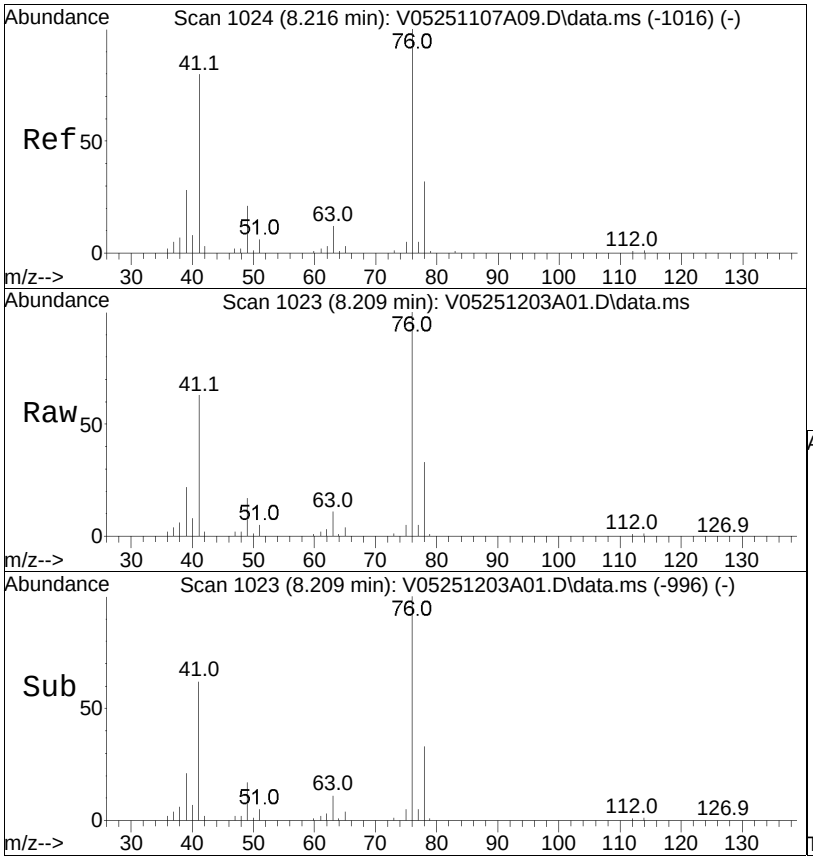


#69
Chlorodibromomethane
Concen: 9.34 ug/L
RT: 8.096 min Scan# 1007
Delta R.T. -0.007 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:129 Resp: 86134

Ion	Ratio	Lower	Upper
129	100		
81	13.6	0.0	37.7
127	77.0	57.1	97.1

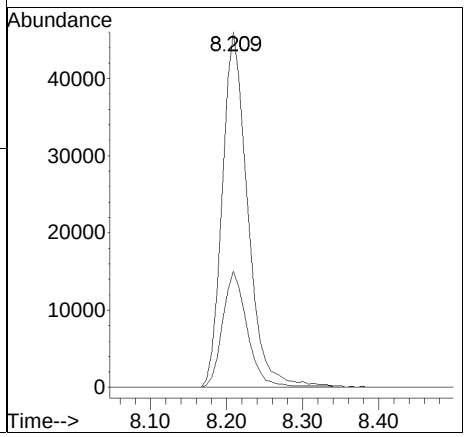


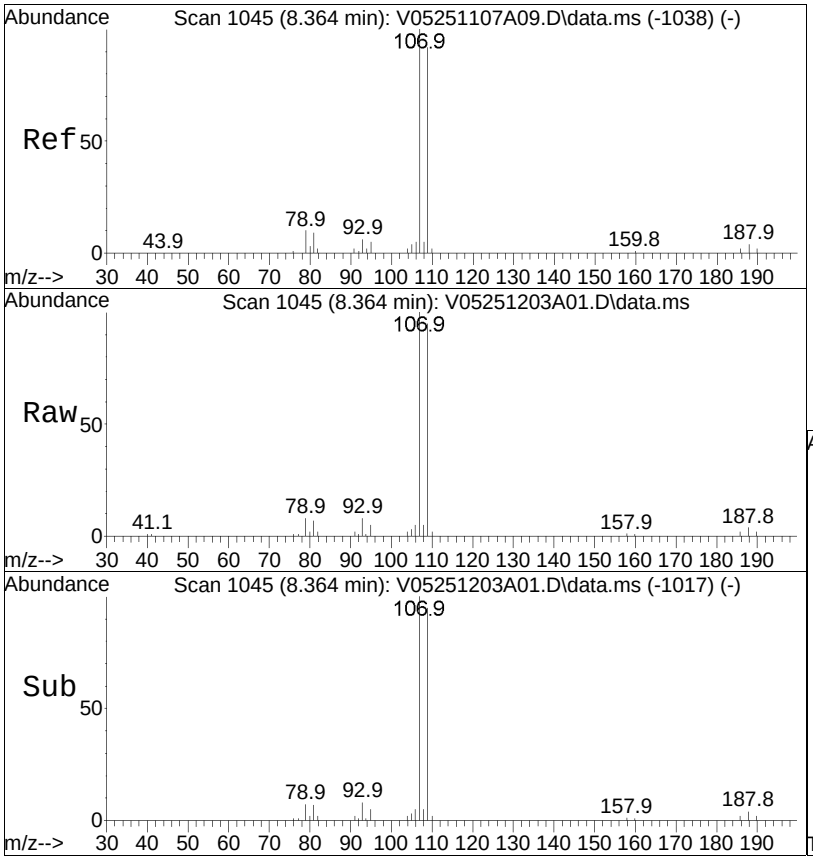


#70
1,3-Dichloropropane
Concen: 8.43 ug/L
RT: 8.209 min Scan# 1023
Delta R.T. -0.007 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 76 Resp: 107153

Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.5	38.3

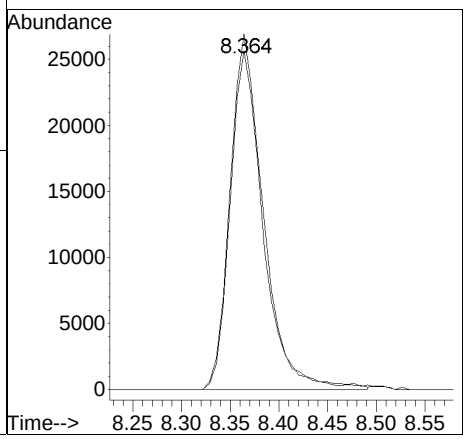


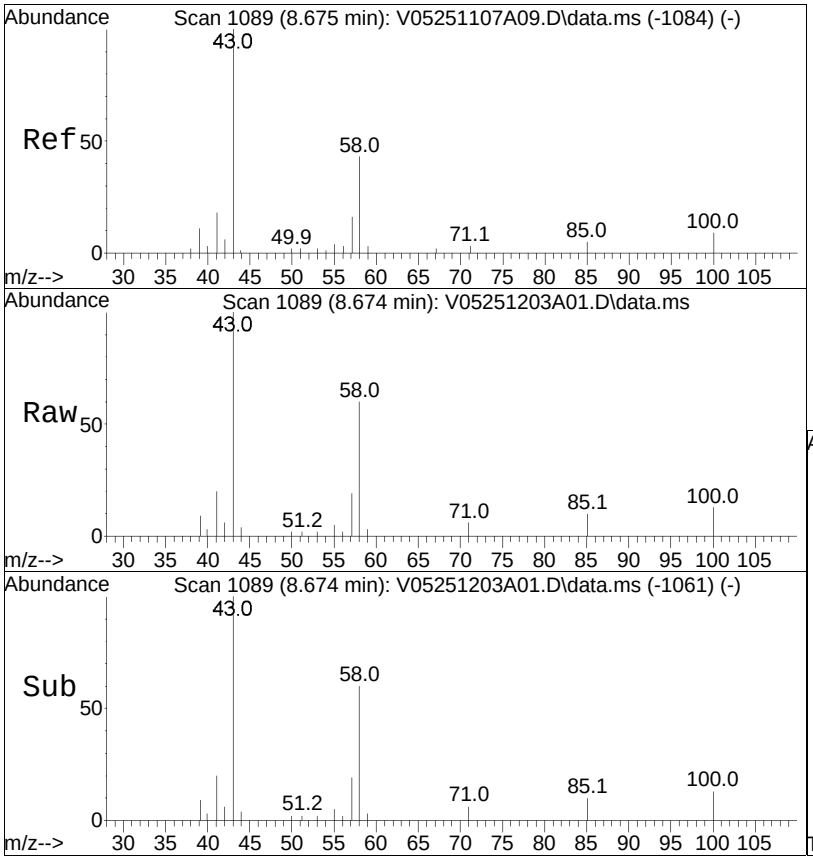


#71
1,2-Dibromoethane
Concen: 9.43 ug/L
RT: 8.364 min Scan# 1045
Delta R.T. 0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:107 Resp: 64086

Ion	Ratio	Lower	Upper
107	100		
109	92.9	74.2	111.2

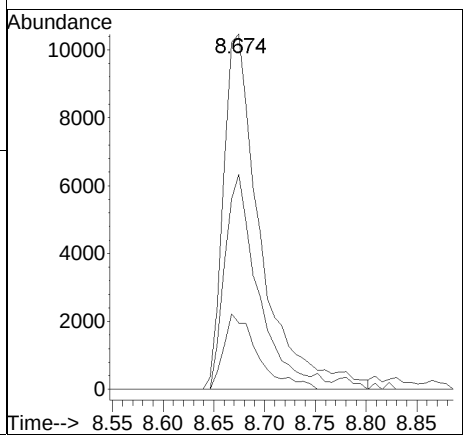


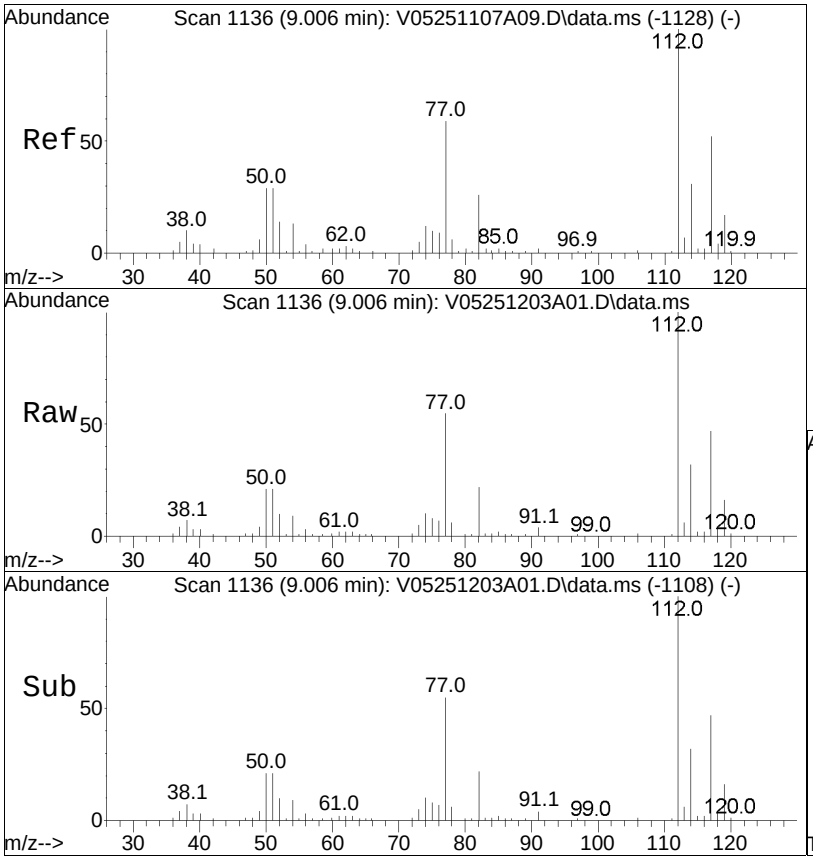


#72
2-Hexanone
Concen: 6.61 ug/L
RT: 8.674 min Scan# 1089
Delta R.T. -0.001 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 43 Resp: 26782

Ion	Ratio	Lower	Upper
43	100		
58	55.2	38.3	57.5
57	19.6	12.8	19.2#

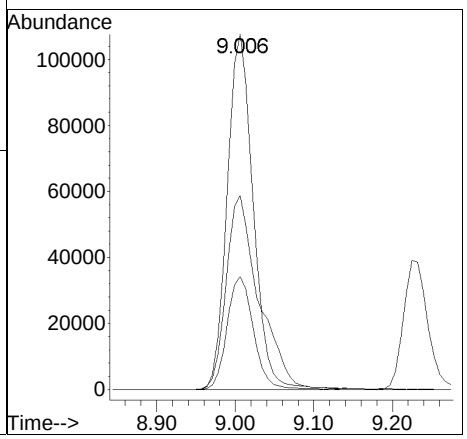


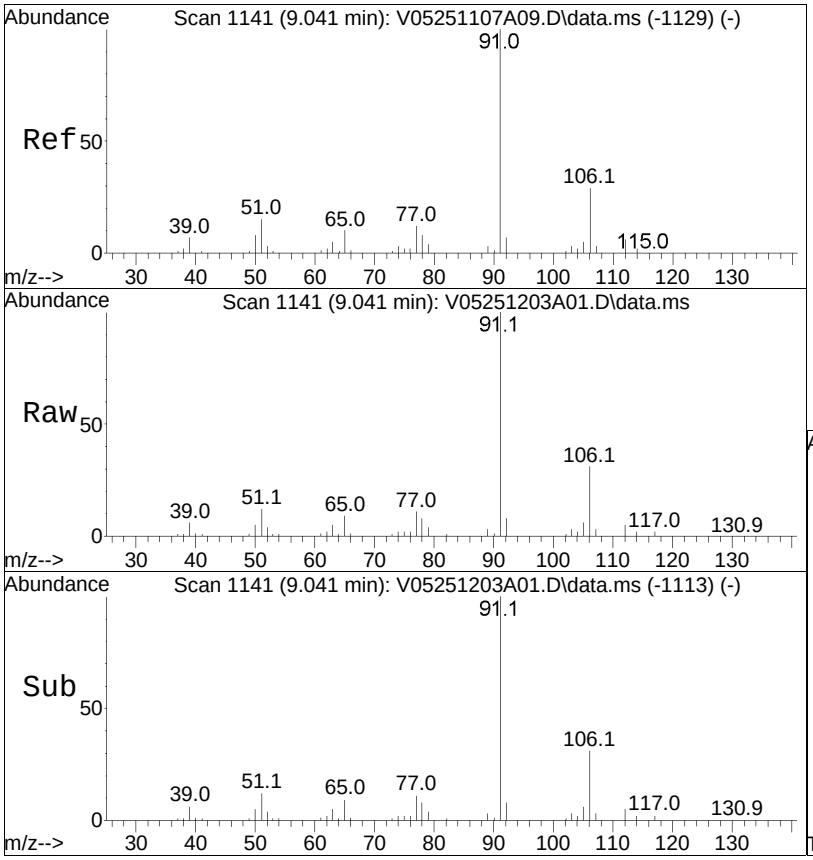


#73
Chlorobenzene
Concen: 8.94 ug/L
RT: 9.006 min Scan# 1136
Delta R.T. 0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:112 Resp: 247731

Ion	Ratio	Lower	Upper
112	100		
77	69.0	62.1	93.1
114	32.1	25.3	37.9

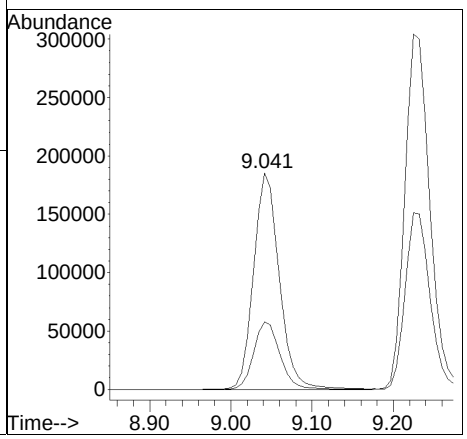


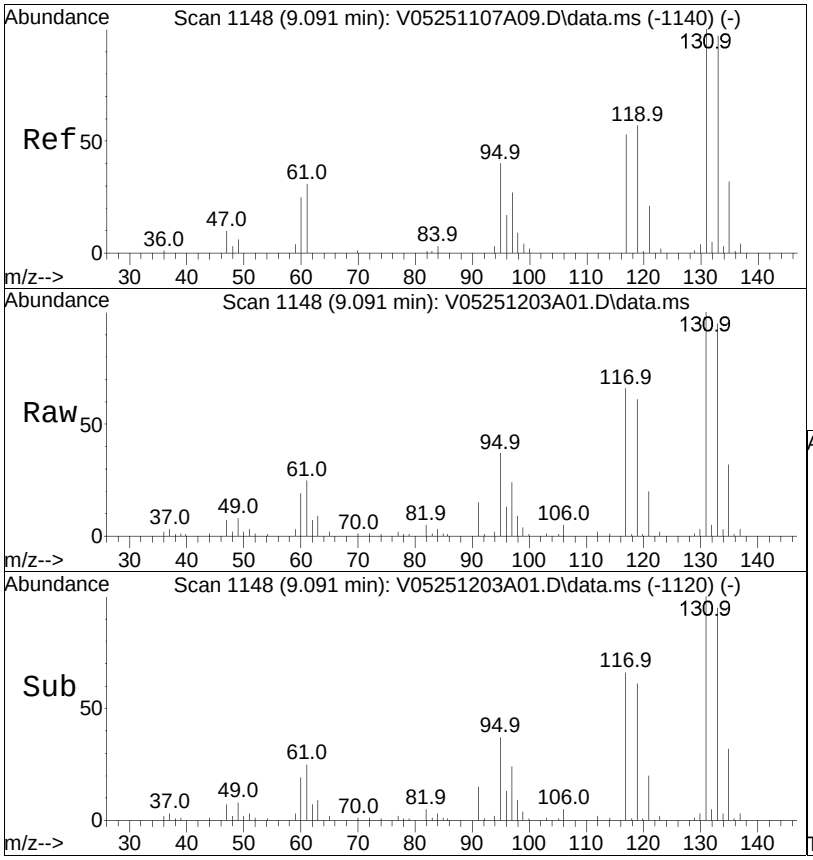


#74
Ethylbenzene
Concen: 8.42 ug/L
RT: 9.041 min Scan# 1141
Delta R.T. 0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 91 Resp: 408714

Ion	Ratio	Lower	Upper
91	100		
106	31.9	24.2	36.2

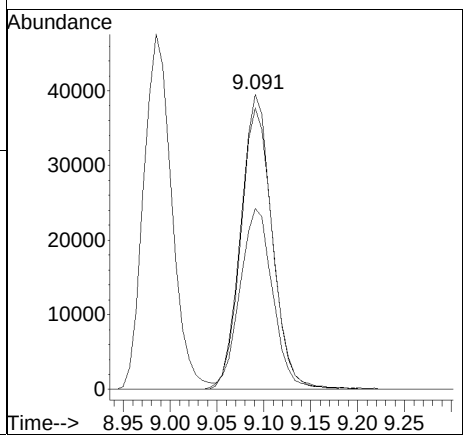


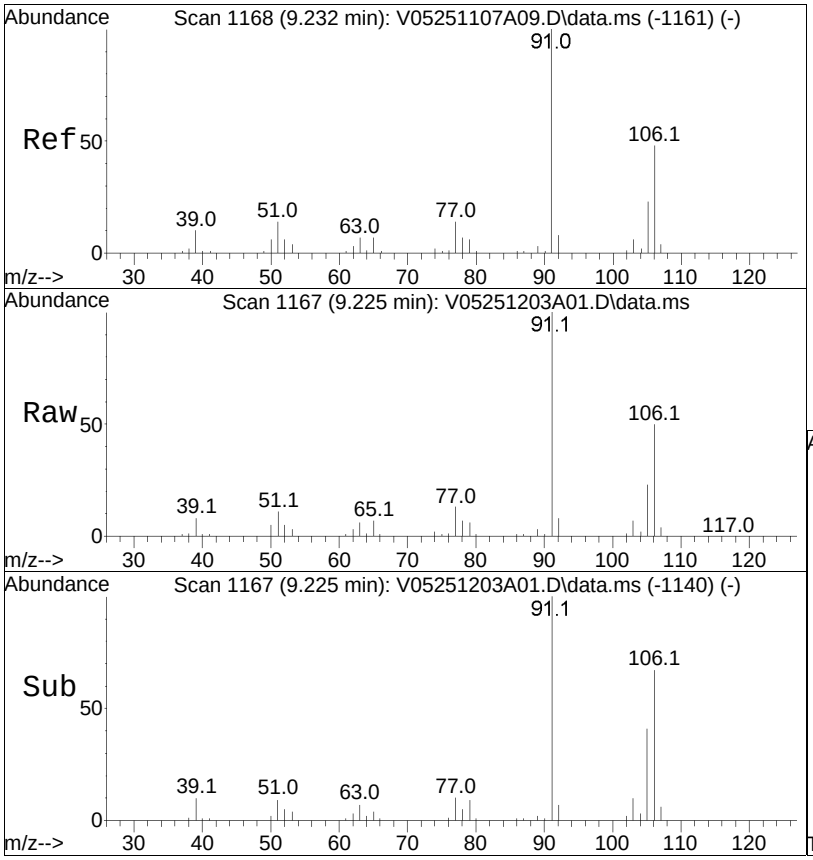


#75
1,1,1,2-Tetrachloroethane
Concen: 9.27 ug/L
RT: 9.091 min Scan# 1148
Delta R.T. -0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:131 Resp: 92467

Ion	Ratio	Lower	Upper
131	100		
133	96.5	77.7	117.7
119	63.8	43.0	83.0

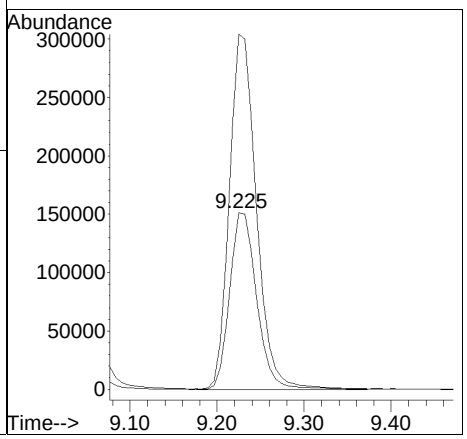


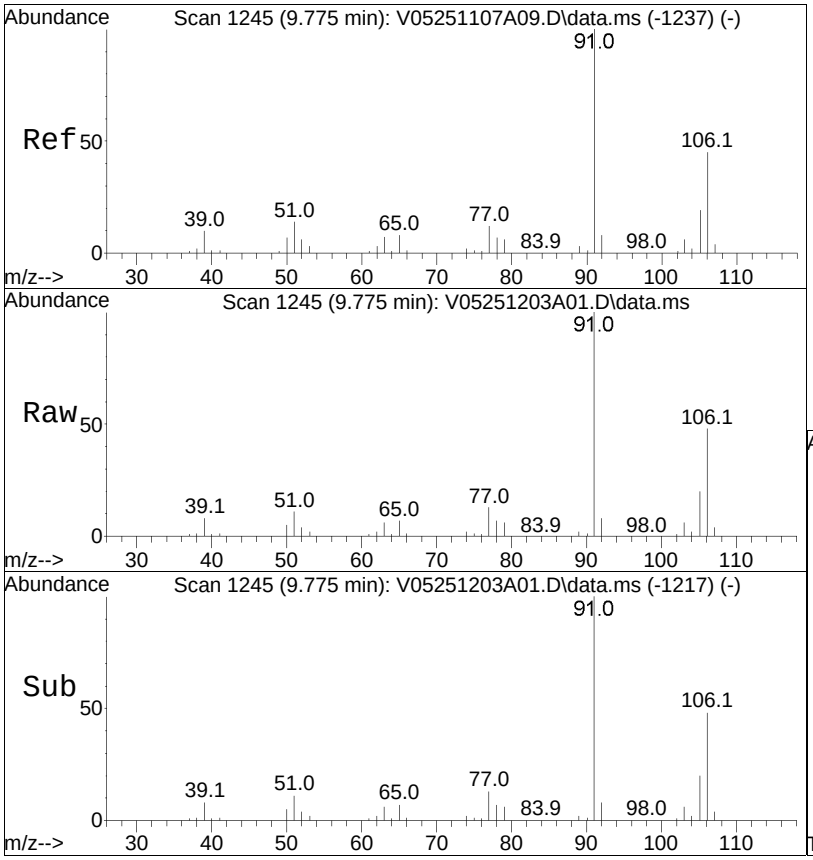


#76
p/m Xylene
Concen: 18.14 ug/L
RT: 9.225 min Scan# 1167
Delta R.T. -0.007 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:106 Resp: 327365

Ion	Ratio	Lower	Upper
106	100		
91	199.3	164.9	247.3

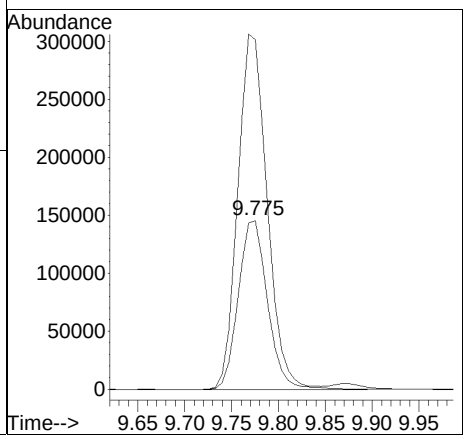


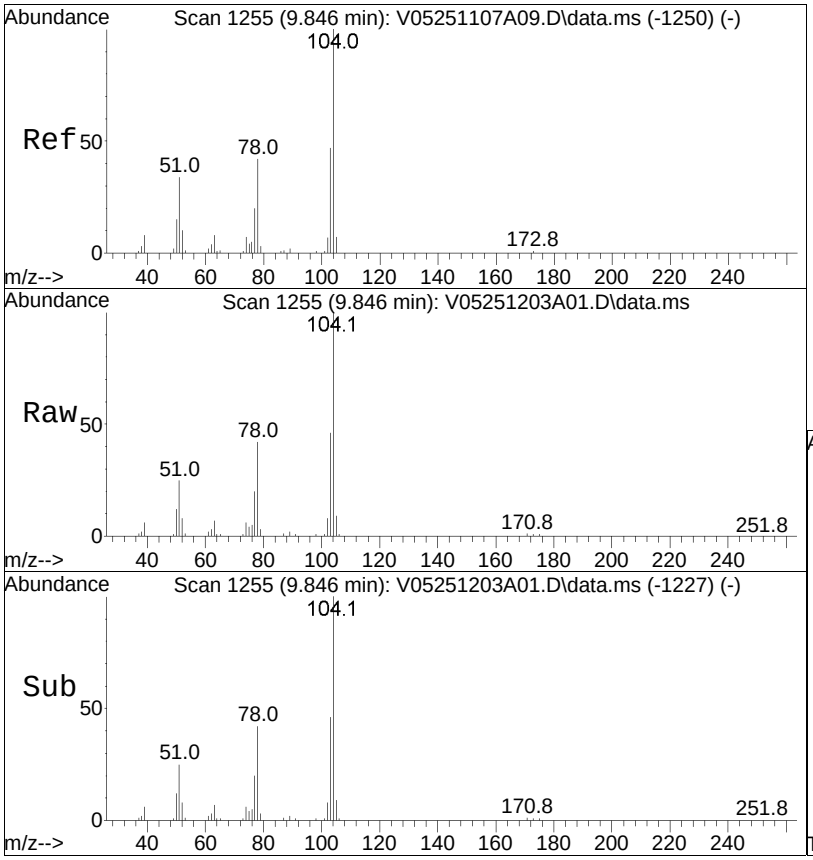


#77
o Xylene
Concen: 18.30 ug/L
RT: 9.775 min Scan# 1245
Delta R.T. 0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:106 Resp: 316516

Ion	Ratio	Lower	Upper
106	100		
91	210.2	174.7	262.1

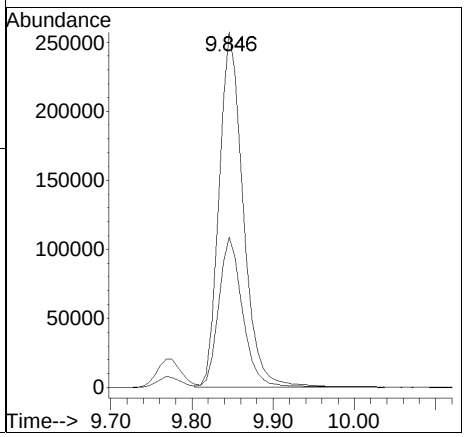


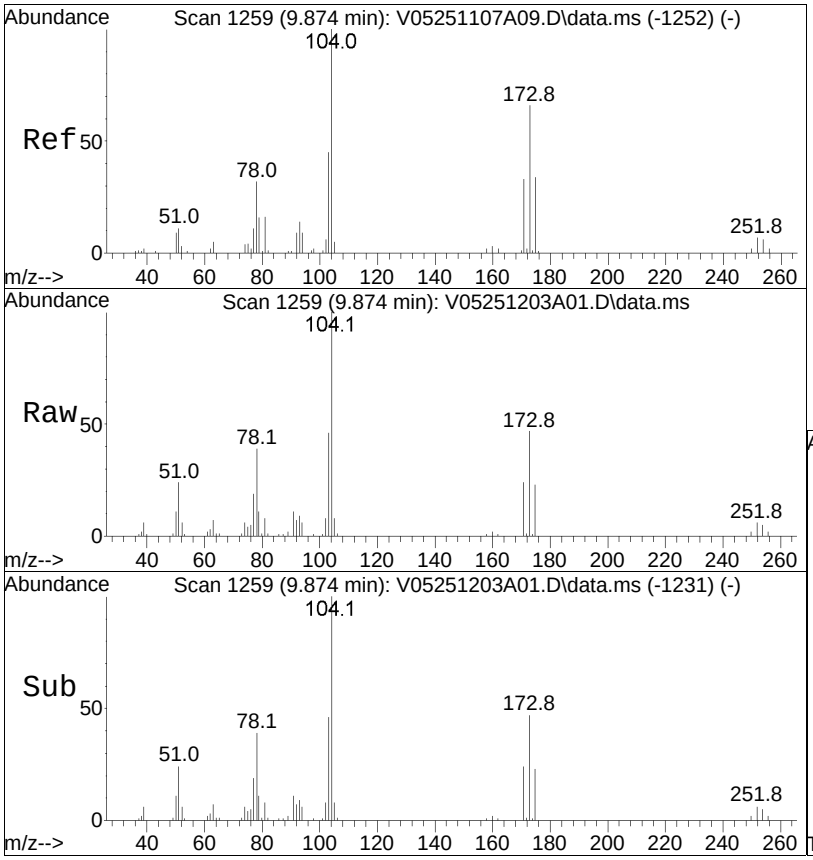


#78
Styrene
Concen: 18.65 ug/L
RT: 9.846 min Scan# 1255
Delta R.T. -0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:104 Resp: 527080

Ion	Ratio	Lower	Upper
104	100		
78	42.0	35.0	52.4

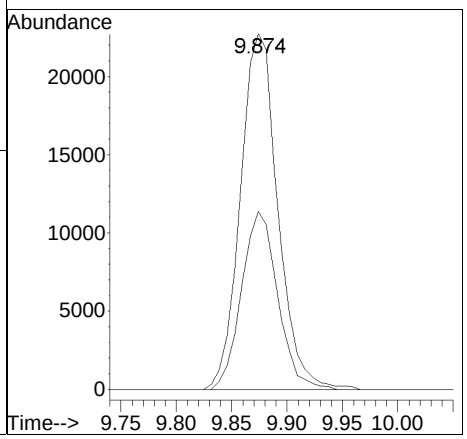


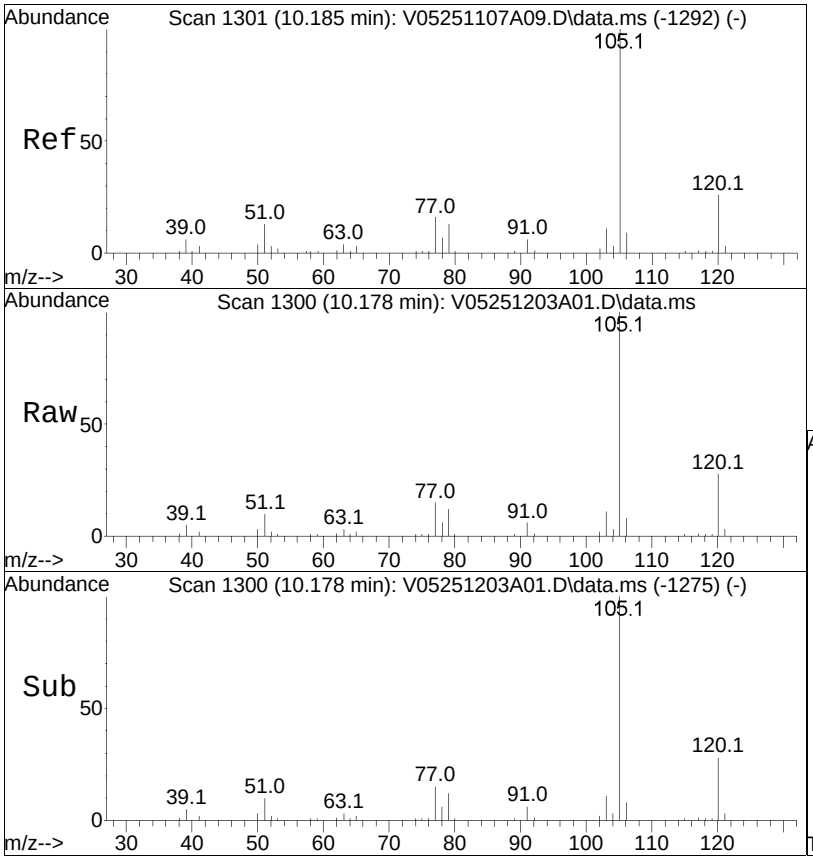


#80
Bromoform
Concen: 9.33 ug/L
RT: 9.874 min Scan# 1259
Delta R.T. -0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:173 Resp: 53443

Ion	Ratio	Lower	Upper
173	100		
175	48.3	29.6	69.6

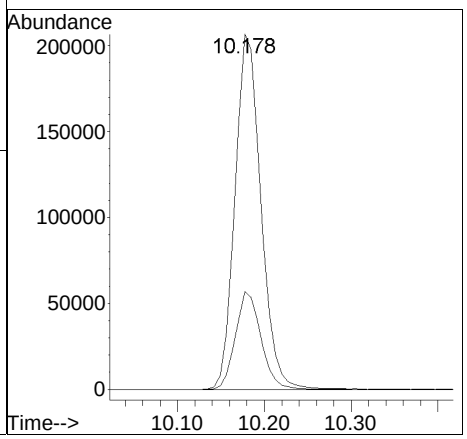


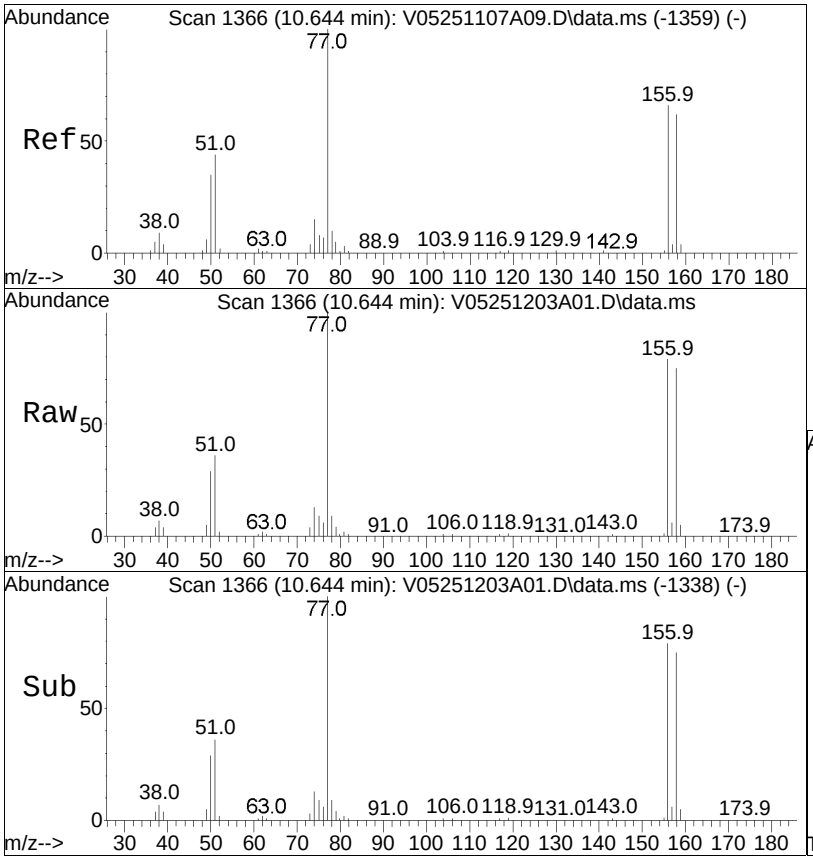


#82
Isopropylbenzene
Concen: 8.29 ug/L
RT: 10.178 min Scan# 1300
Delta R.T. -0.007 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:105 Resp: 429389

Ion	Ratio	Lower	Upper
105	100		
120	27.1	6.1	46.1

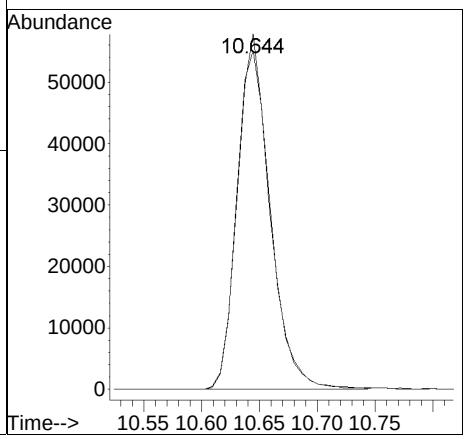


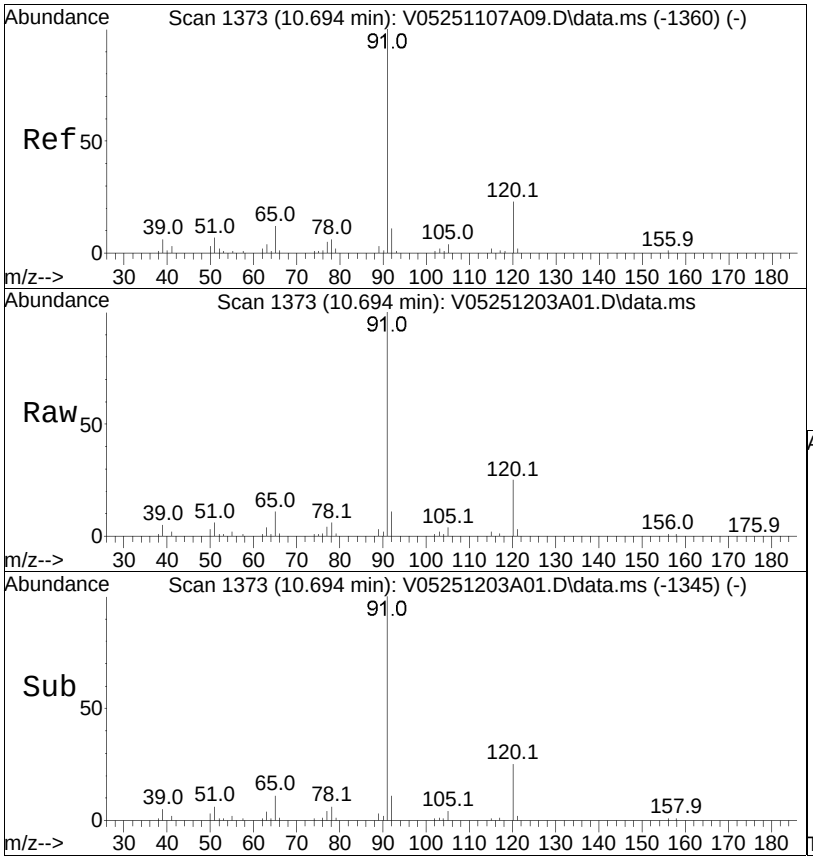


#84
Bromobenzene
Concen: 9.33 ug/L
RT: 10.644 min Scan# 1366
Delta R.T. 0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:156 Resp: 112870

Ion	Ratio	Lower	Upper
156	100		
158	99.7	76.3	114.5

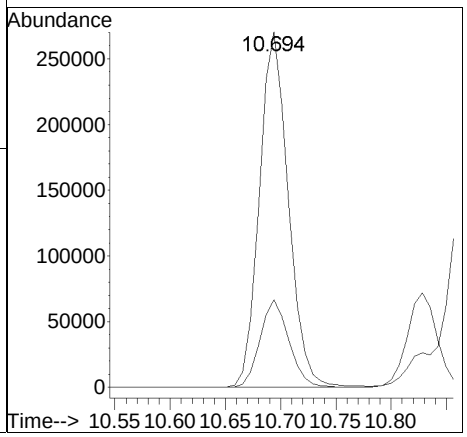


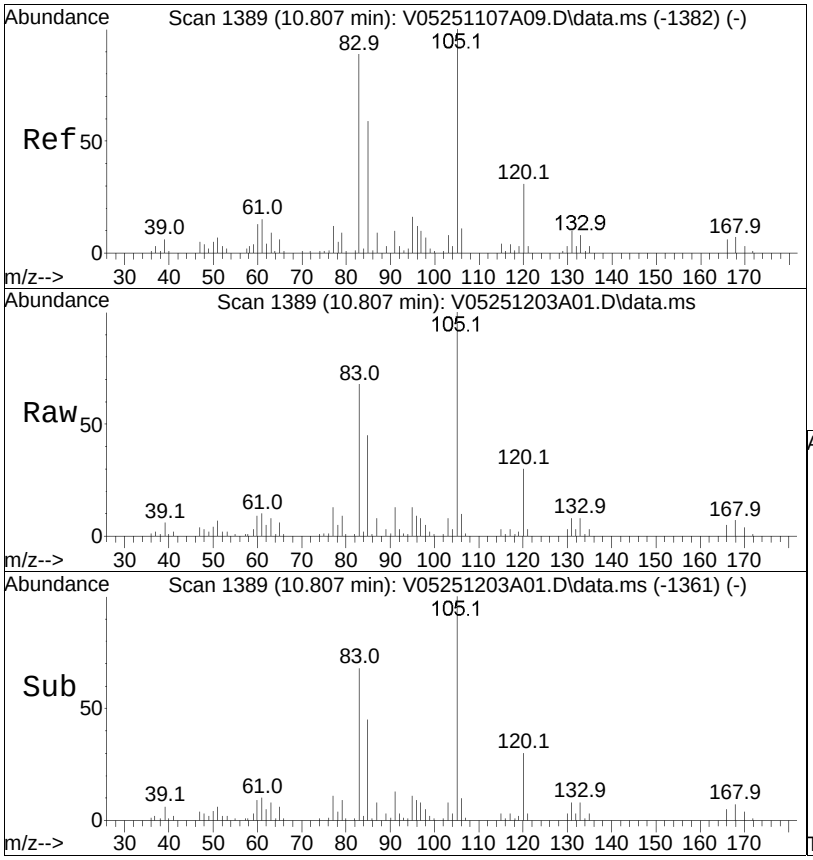


#85
n-Propylbenzene
Concen: 7.93 ug/L
RT: 10.694 min Scan# 1373
Delta R.T. -0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 91 Resp: 493373

Ion	Ratio	Lower	Upper
91	100		
120	24.6	18.3	27.5

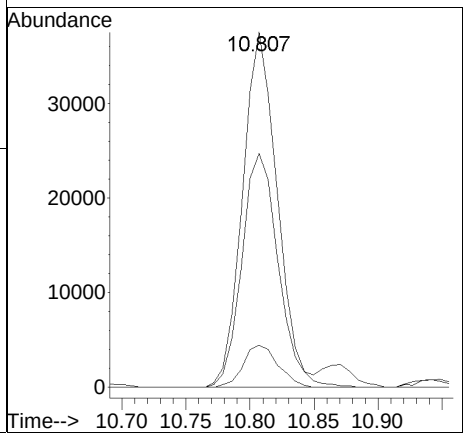


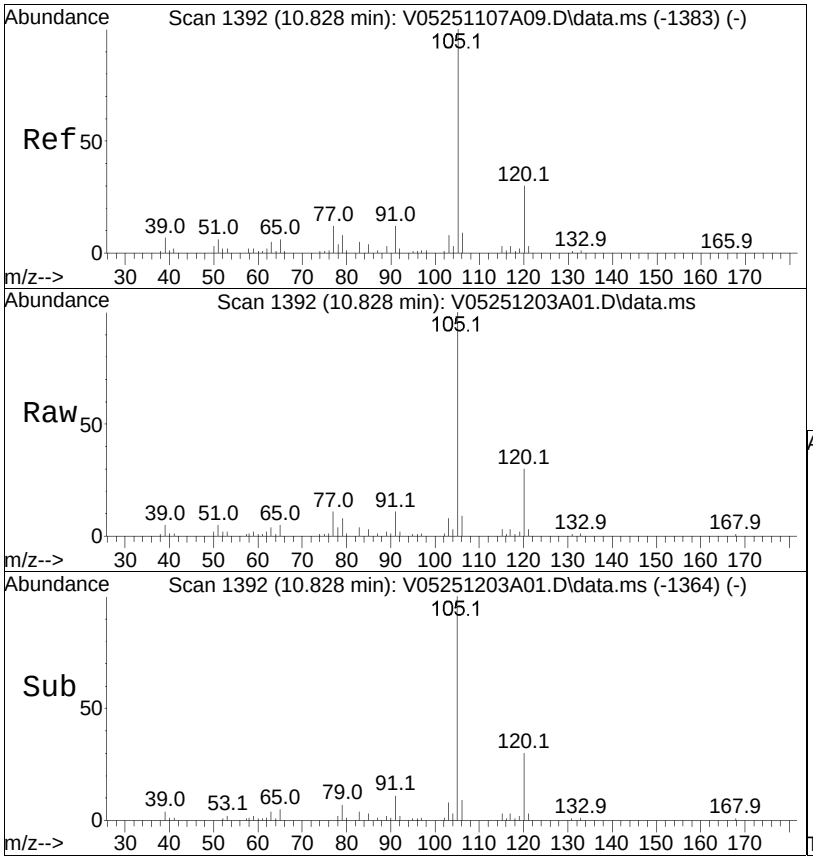


#87
1,1,2,2-Tetrachloroethane
Concen: 8.54 ug/L
RT: 10.807 min Scan# 1389
Delta R.T. 0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 83 Resp: 70932

Ion	Ratio	Lower	Upper
83	100		
131	12.0	0.0	30.8
85	69.0	47.6	87.6

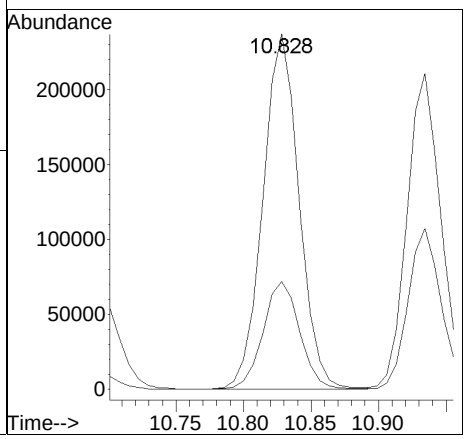


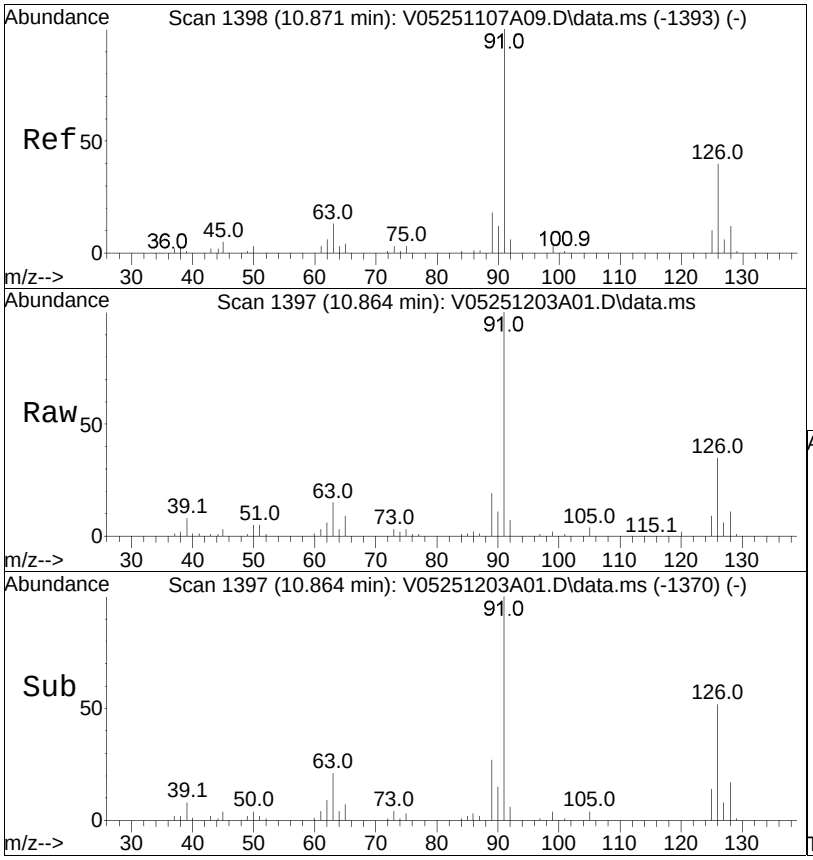


#88
4-Ethyltoluene
Concen: 8.77 ug/L
RT: 10.828 min Scan# 1392
Delta R.T. 0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:105 Resp: 441632

Ion	Ratio	Lower	Upper
105	100		
120	30.5	19.2	40.0

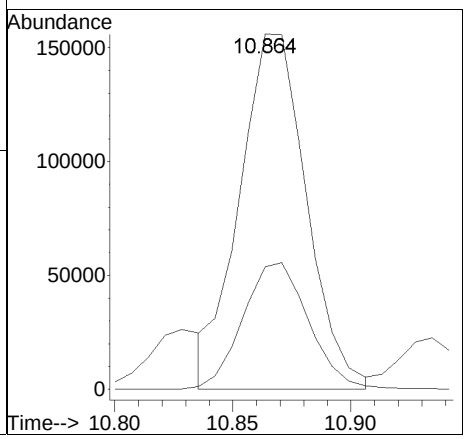


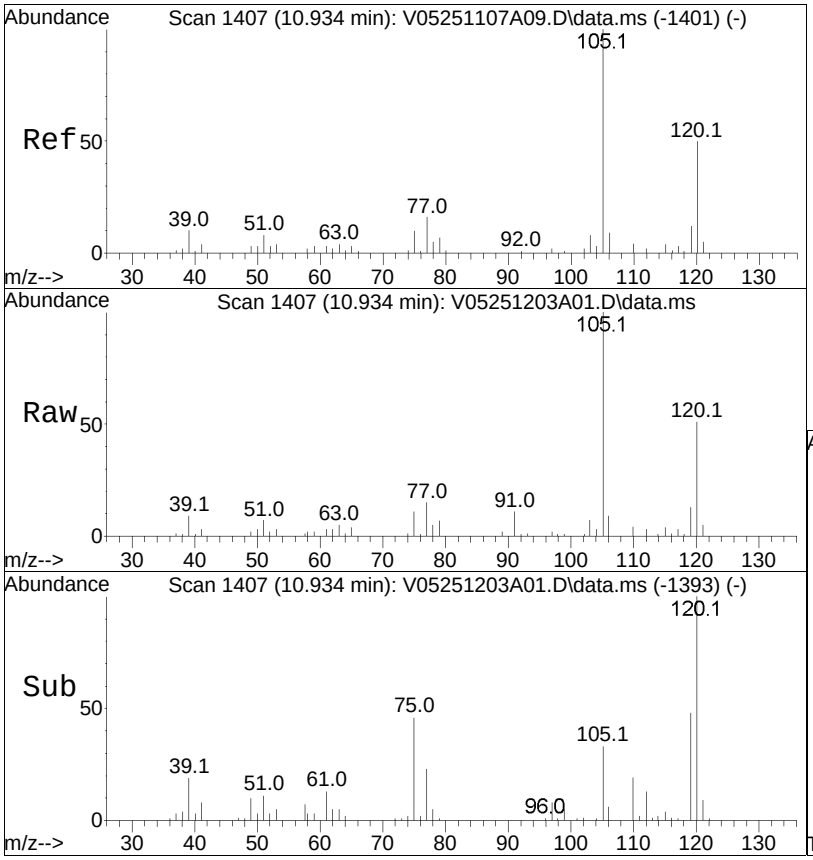


#89
2-Chlorotoluene
Concen: 8.27 ug/L M6
RT: 10.864 min Scan# 1397
Delta R.T. -0.007 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 91 Resp: 307538

Ion	Ratio	Lower	Upper
91	100		
126	35.3	26.1	39.1

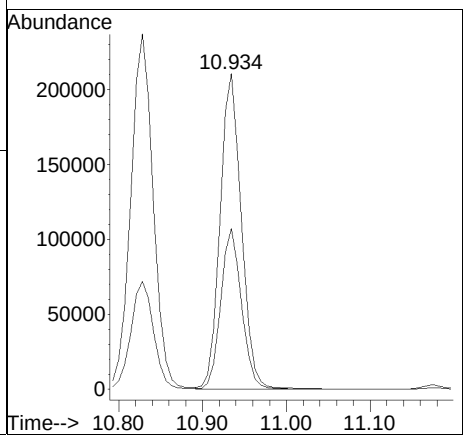


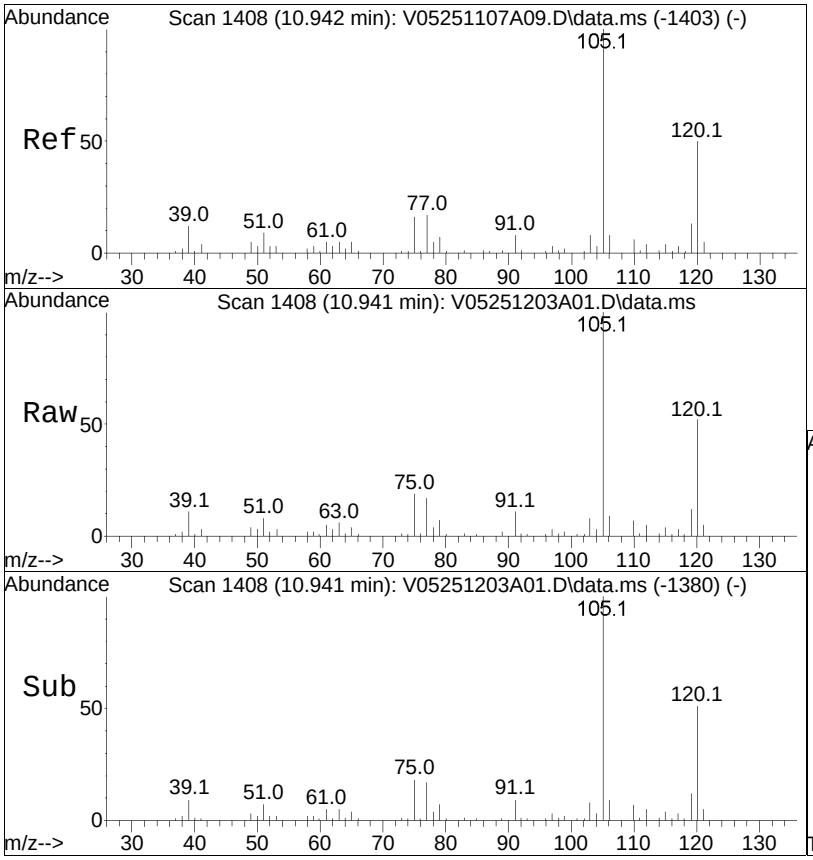


#90
1,3,5-Trimethylbenzene
Concen: 8.62 ug/L
RT: 10.934 min Scan# 1407
Delta R.T. 0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:105 Resp: 372563

Ion	Ratio	Lower	Upper
105	100		
120	49.7	38.5	57.7

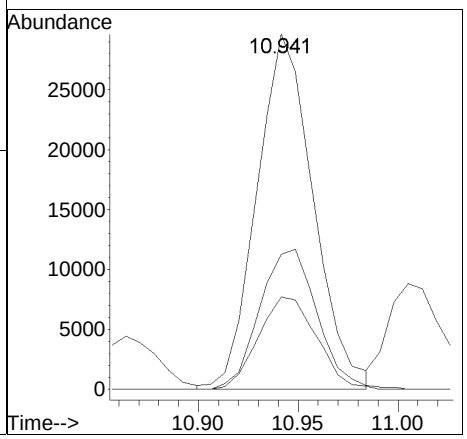


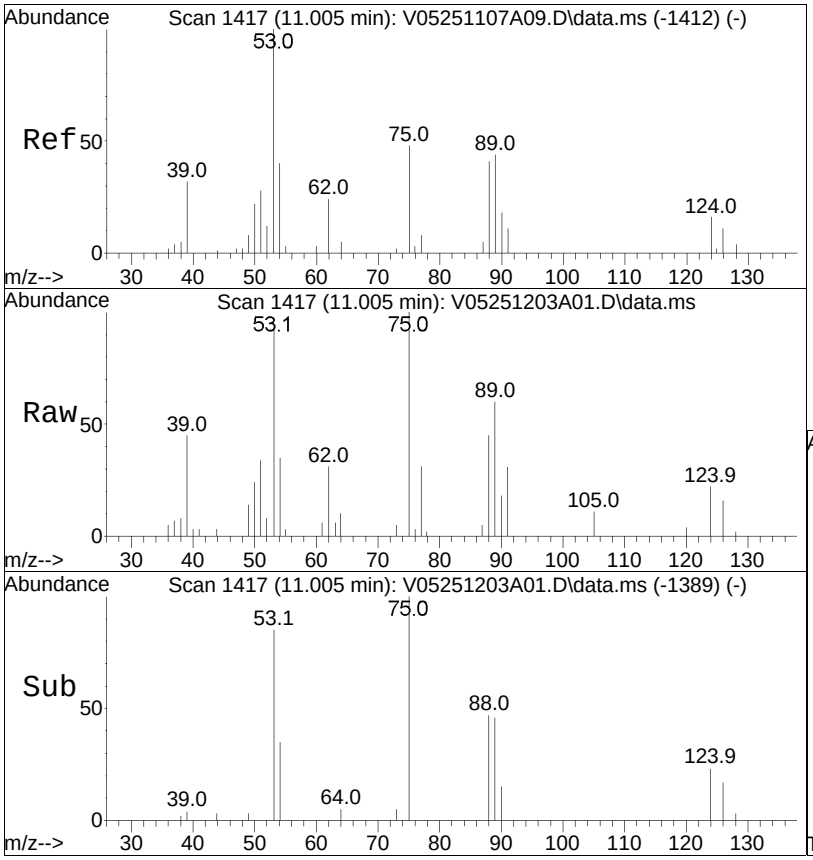


#91
1,2,3-Trichloropropane
Concen: 8.14 ug/L M1
RT: 10.941 min Scan# 1408
Delta R.T. -0.001 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 75 Resp: 58371

Ion	Ratio	Lower	Upper
75	100		
110	40.3	24.2	50.2
112	26.8	15.1	31.5

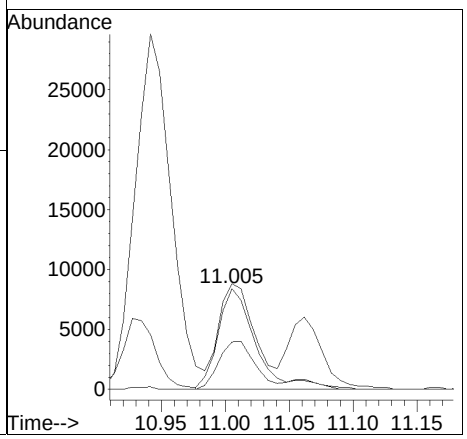


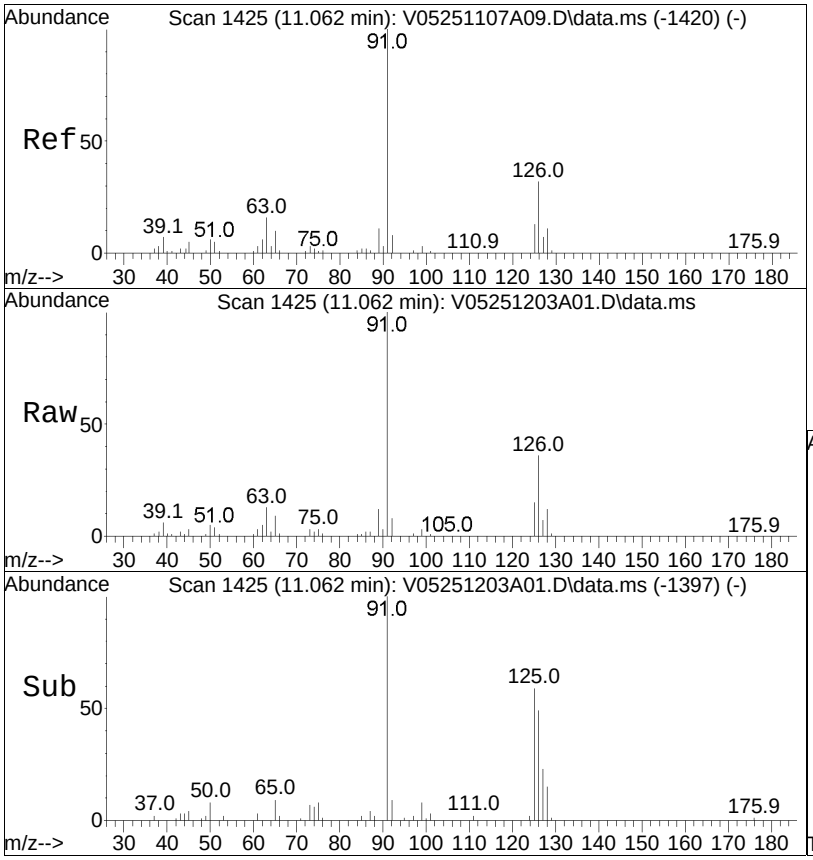


#92
trans-1,4-Dichloro-2-butene
Concen: 5.96 ug/L
RT: 11.005 min Scan# 1417
Delta R.T. 0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 53 Resp: 17332

Ion	Ratio	Lower	Upper
53	100		
88	45.3	31.1	46.7
75	97.2	64.8	97.2#

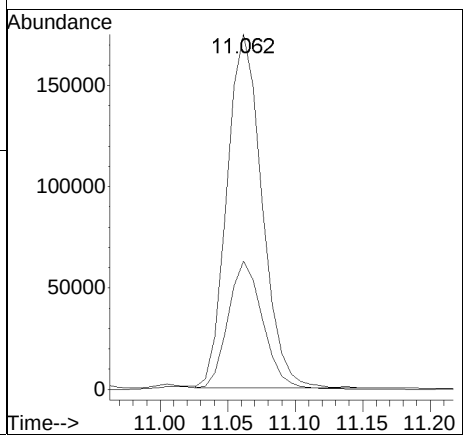


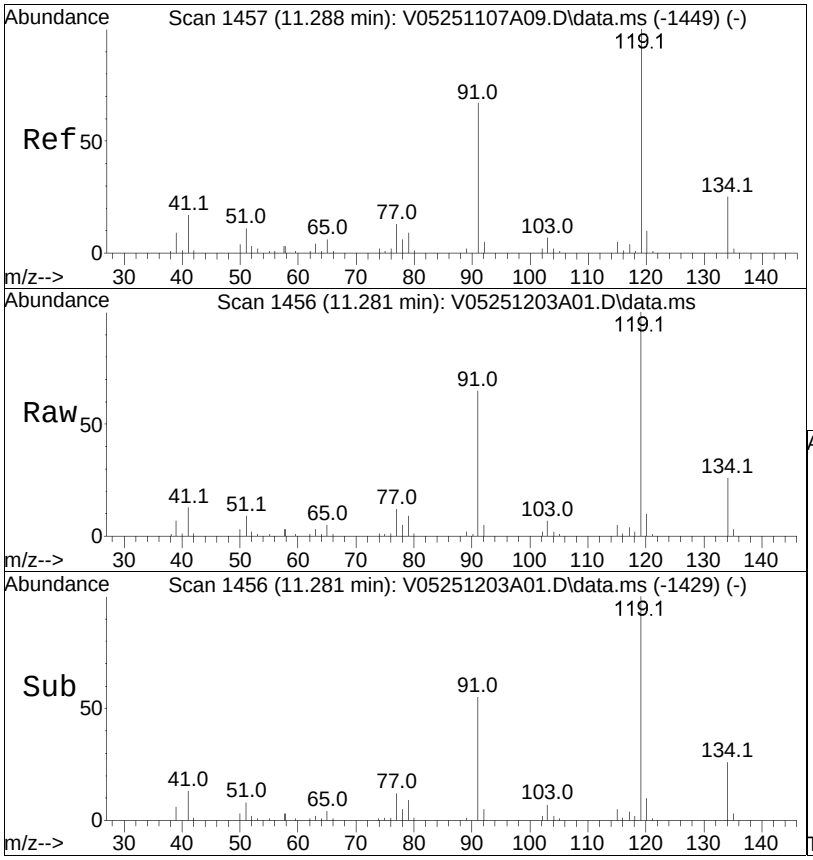


#93
4-Chlorotoluene
Concen: 8.22 ug/L
RT: 11.062 min Scan# 1425
Delta R.T. -0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 91 Resp: 315240

Ion	Ratio	Lower	Upper
91	100		
126	36.0	27.0	40.6

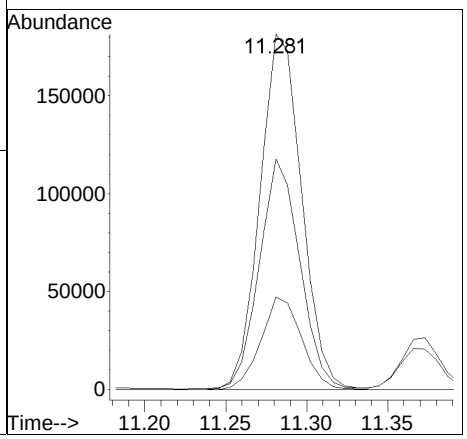


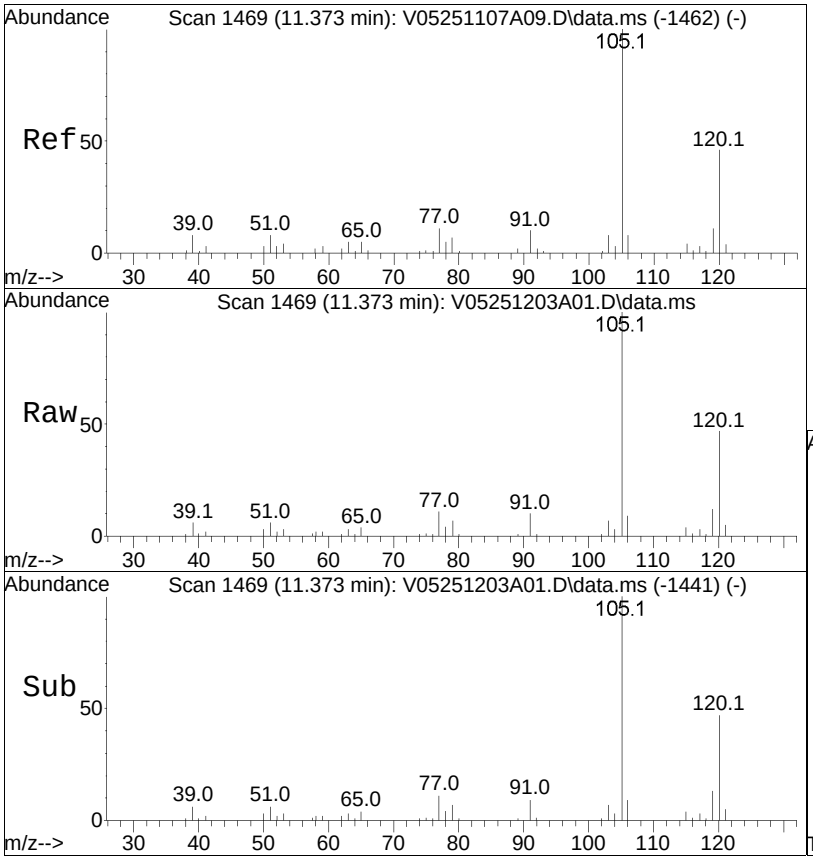


#94
tert-Butylbenzene
Concen: 8.74 ug/L
RT: 11.281 min Scan# 1456
Delta R.T. -0.007 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:119 Resp: 324971

Ion	Ratio	Lower	Upper
119	100		
91	62.8	53.8	80.6
134	25.4	19.9	29.9

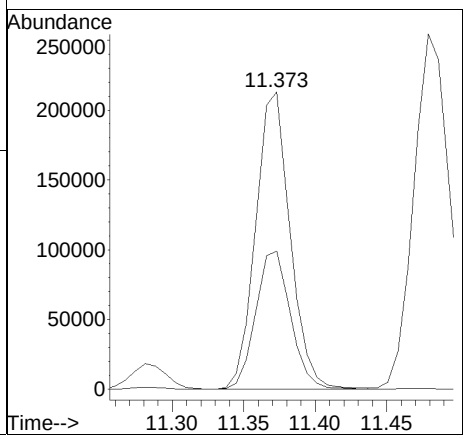


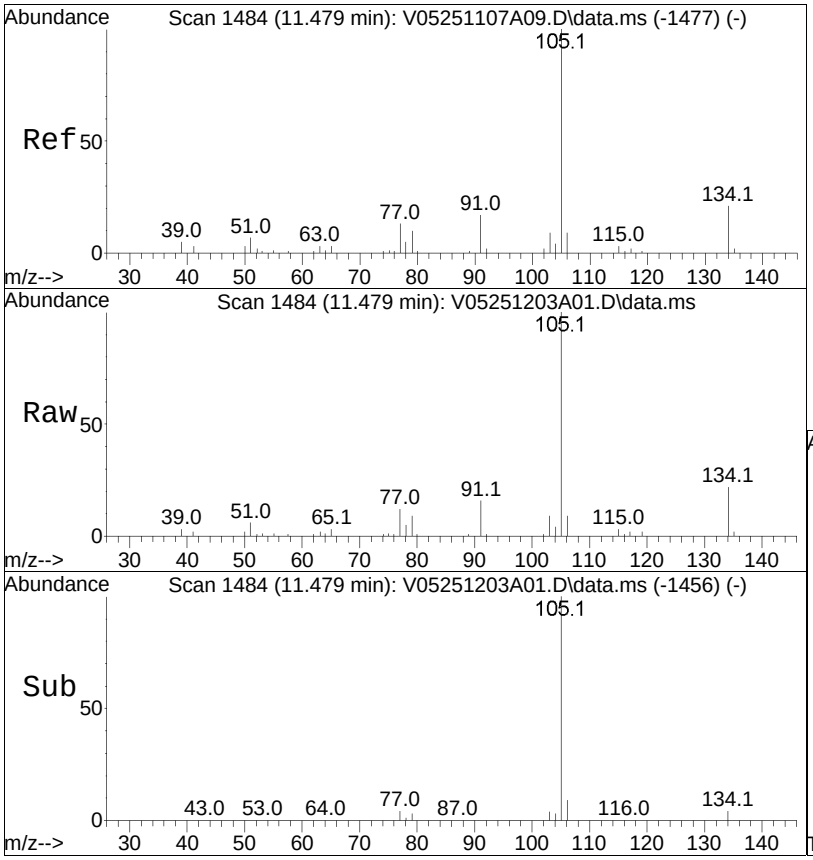


#97
1,2,4-Trimethylbenzene
Concen: 8.63 ug/L
RT: 11.373 min Scan# 1469
Delta R.T. -0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:105 Resp: 358120

Ion	Ratio	Lower	Upper
105	100		
120	46.7	36.6	54.8

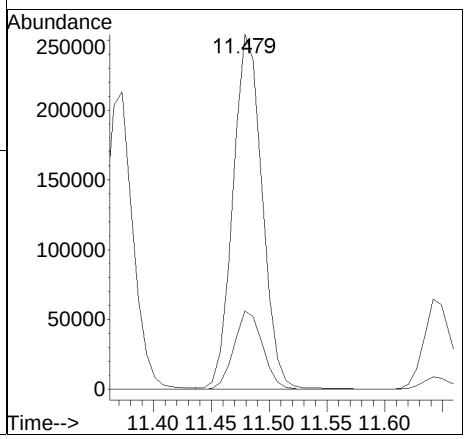


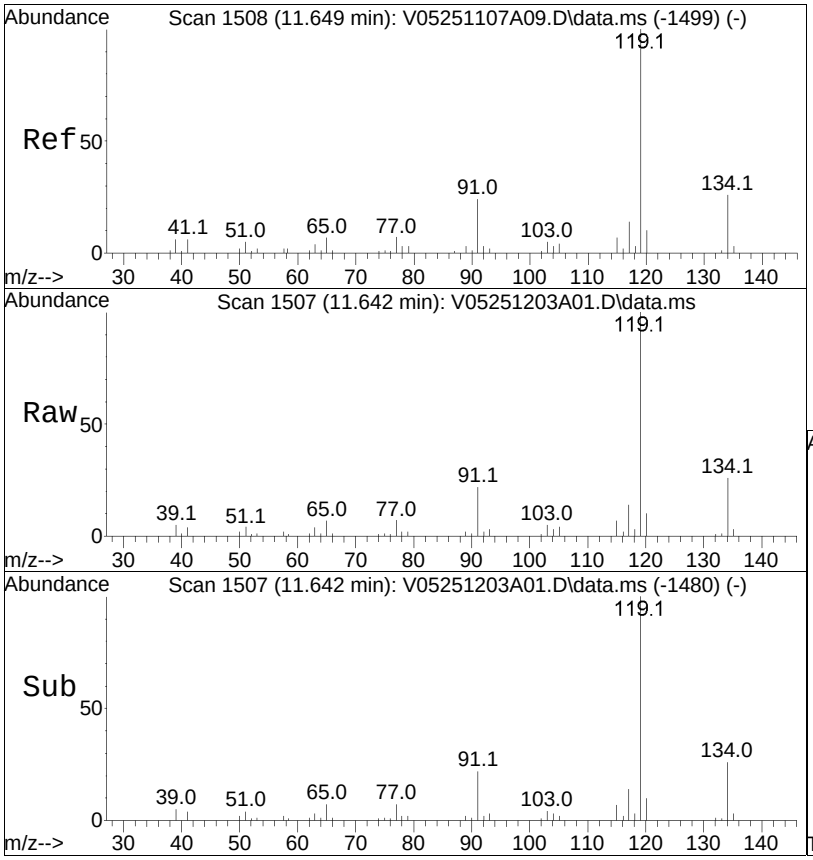


#98
sec-Butylbenzene
Concen: 8.39 ug/L
RT: 11.479 min Scan# 1484
Delta R.T. 0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:105 Resp: 444066

Ion	Ratio	Lower	Upper
105	100		
134	21.7	13.7	28.5

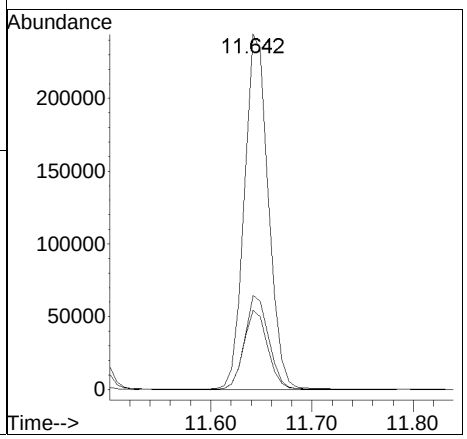


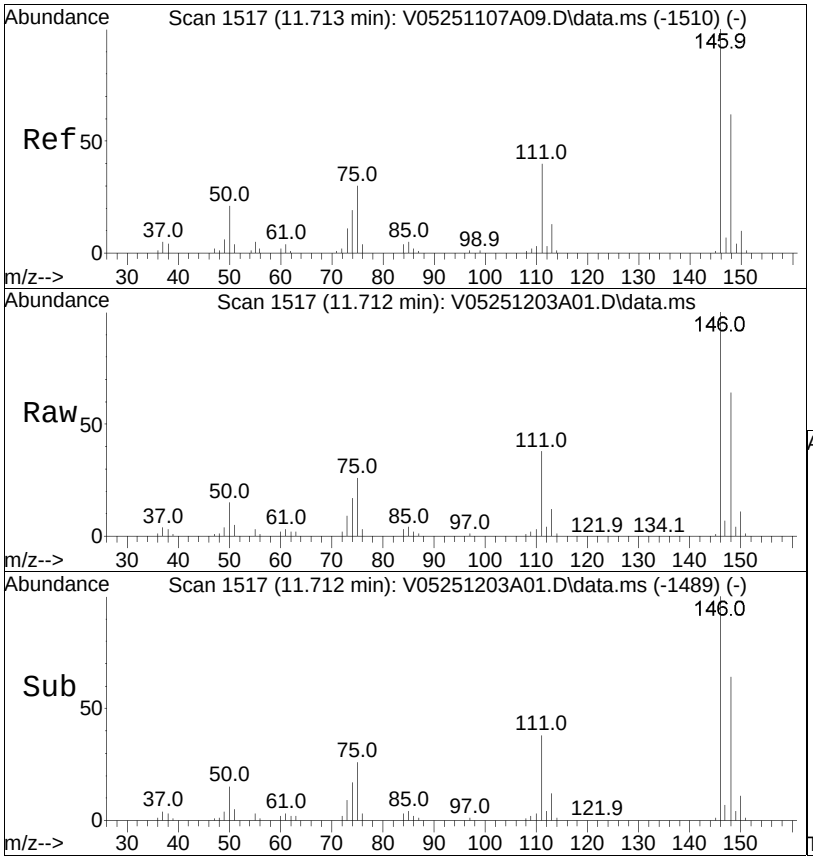


#99
p-Isopropyltoluene
Concen: 8.10 ug/L
RT: 11.642 min Scan# 1507
Delta R.T. -0.007 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:119 Resp: 403378

Ion	Ratio	Lower	Upper
119	100		
134	26.3	16.8	35.0
91	21.9	15.9	32.9

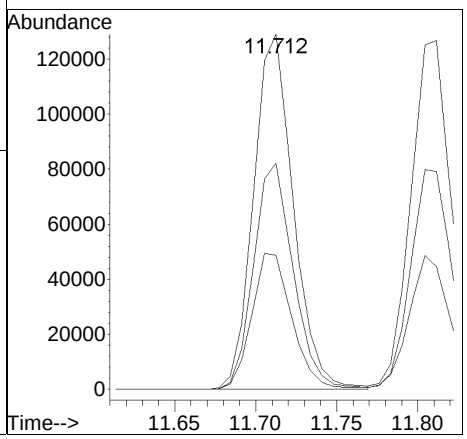


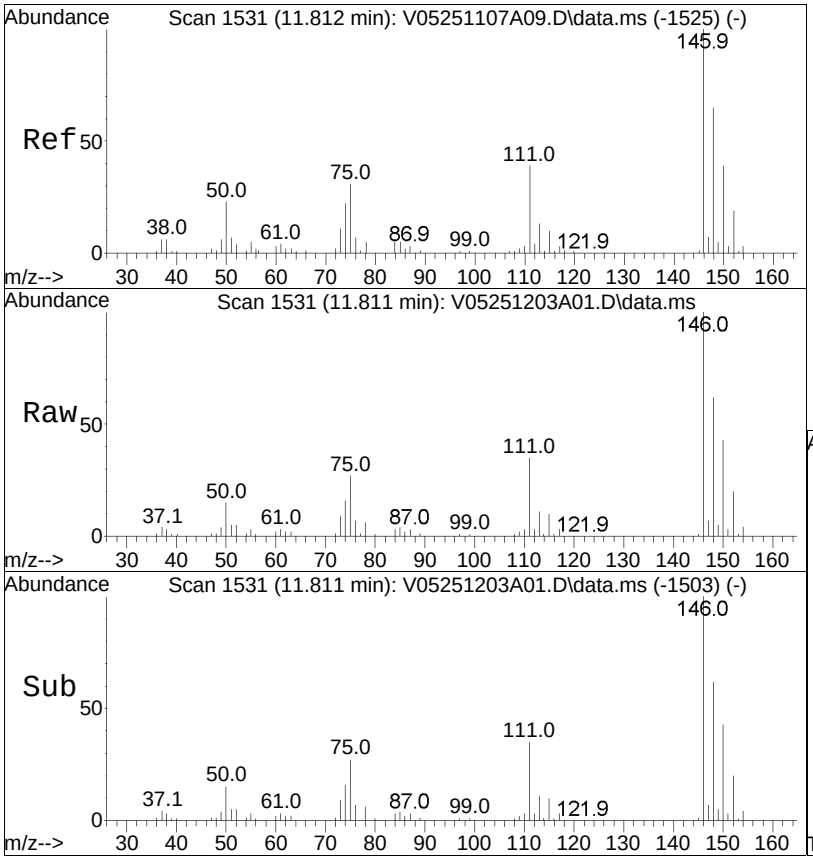


#100
1,3-Dichlorobenzene
Concen: 9.38 ug/L
RT: 11.712 min Scan# 1517
Delta R.T. -0.001 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:146 Resp: 220292

Ion	Ratio	Lower	Upper
146	100		
111	38.8	26.7	55.4
148	63.6	41.5	86.1

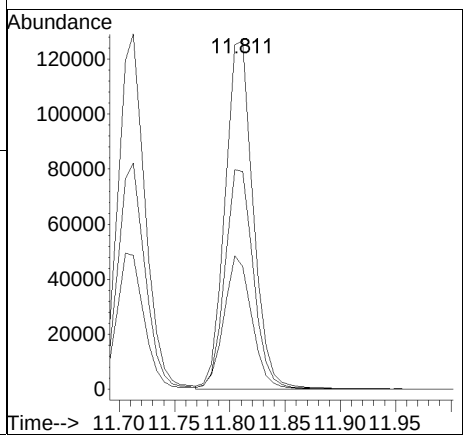


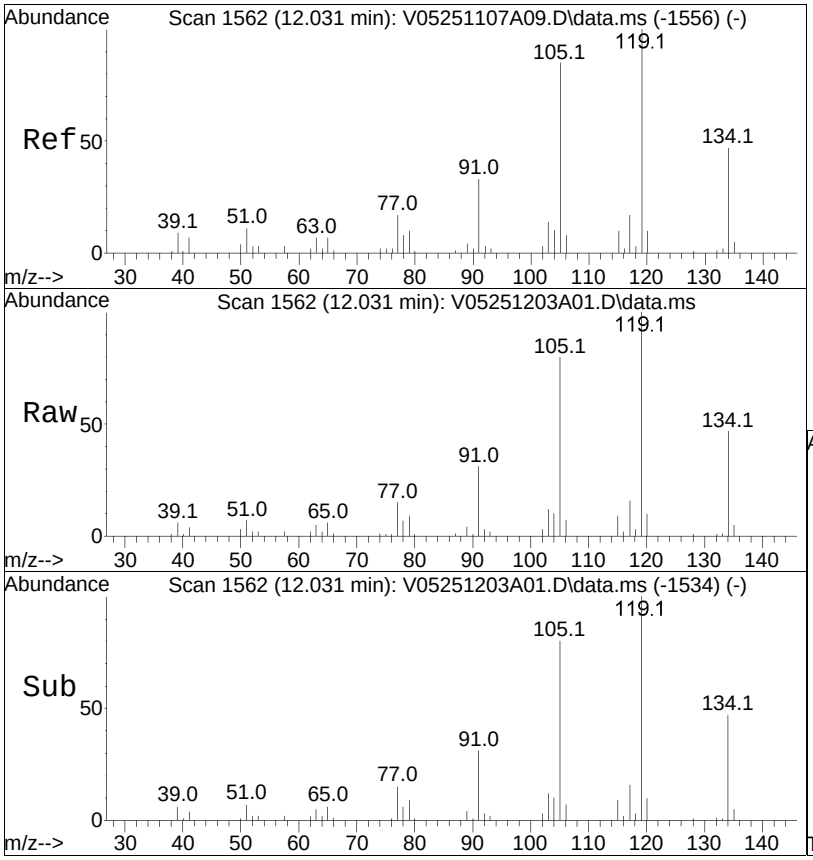


#101
1,4-Dichlorobenzene
Concen: 9.14 ug/L
RT: 11.811 min Scan# 1531
Delta R.T. -0.001 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:146 Resp: 224128

Ion	Ratio	Lower	Upper
146	100		
111	38.5	32.2	48.4
148	63.4	51.7	77.5

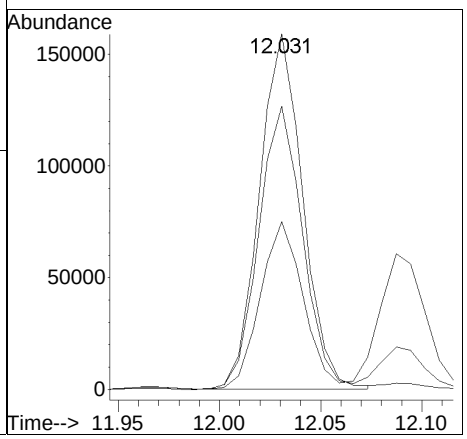


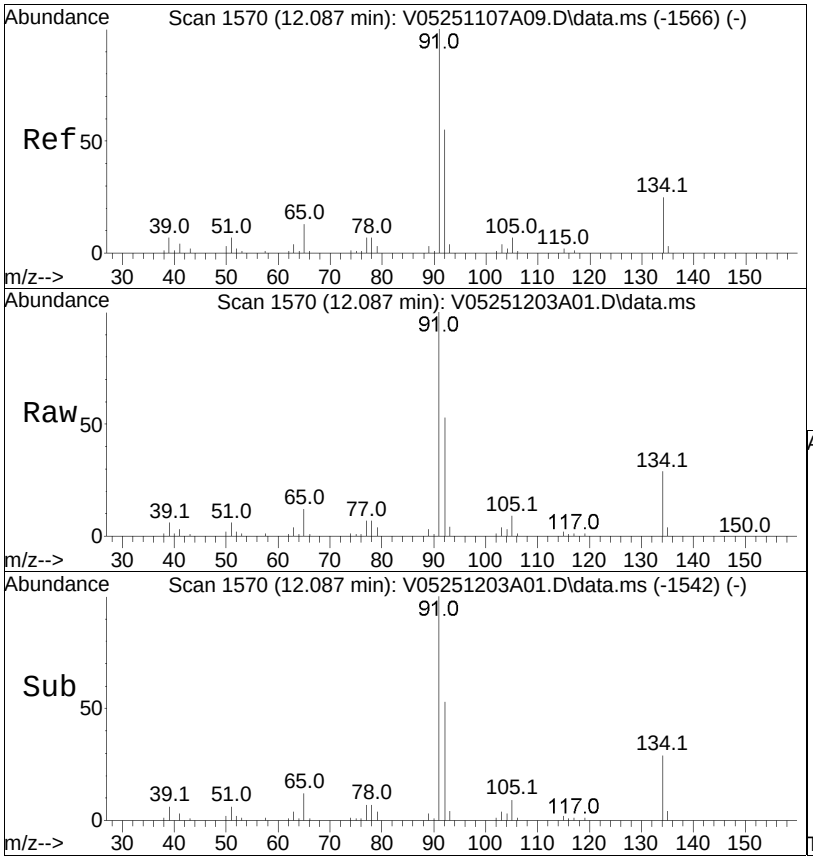


#102
p-Diethylbenzene
Concen: 8.47 ug/L
RT: 12.031 min Scan# 1562
Delta R.T. -0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:119 Resp: 236485

Ion	Ratio	Lower	Upper
119	100		
105	80.6	53.8	111.6
134	46.8	30.0	62.2

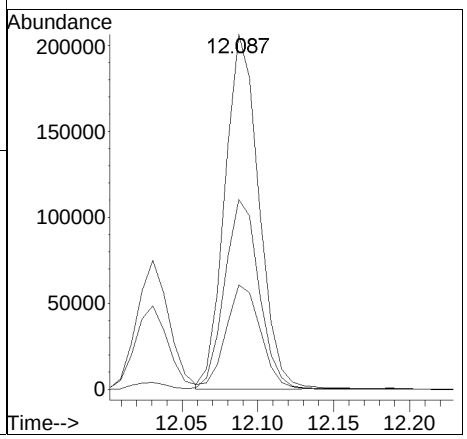


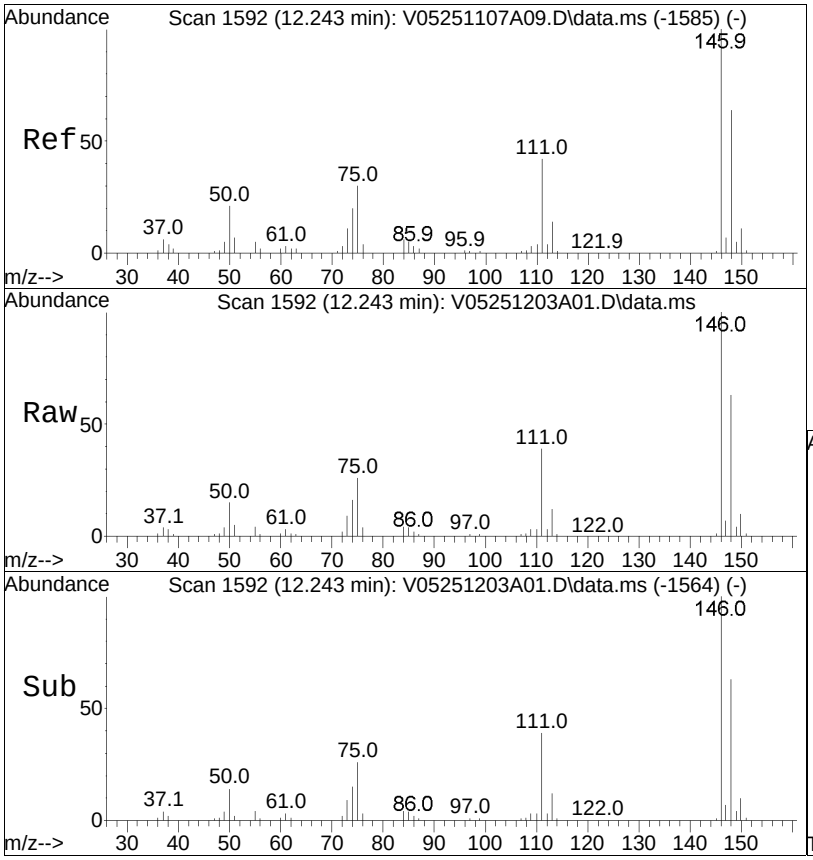


#103
n-Butylbenzene
Concen: 8.01 ug/L
RT: 12.087 min Scan# 1570
Delta R.T. 0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion: 91 Resp: 321219

Ion	Ratio	Lower	Upper
91	100		
92	54.4	43.3	64.9
134	30.0	21.6	32.4

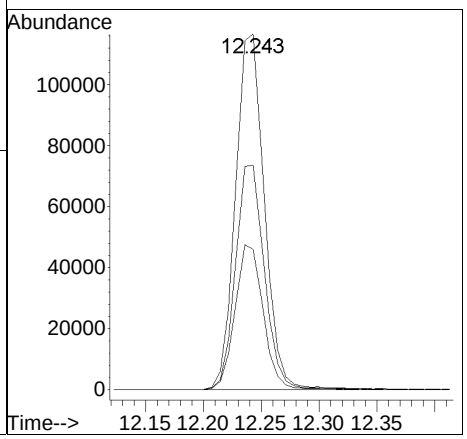


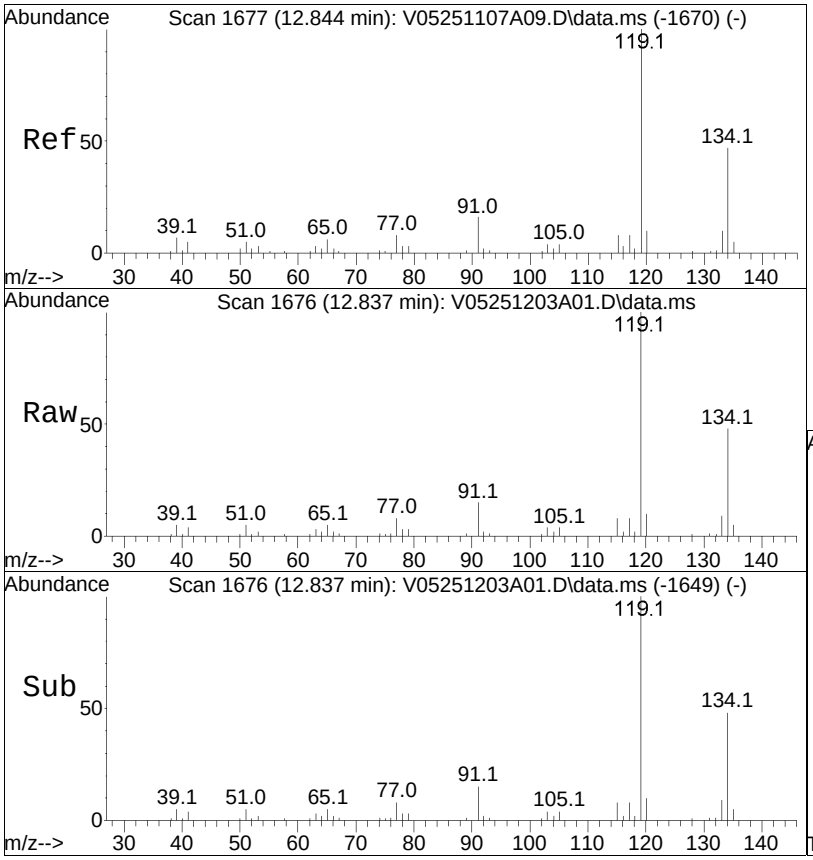


#104
1,2-Dichlorobenzene
Concen: 9.60 ug/L
RT: 12.243 min Scan# 1592
Delta R.T. -0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:146 Resp: 201877

Ion	Ratio	Lower	Upper
146	100		
111	39.7	27.7	57.5
148	63.3	40.9	84.9

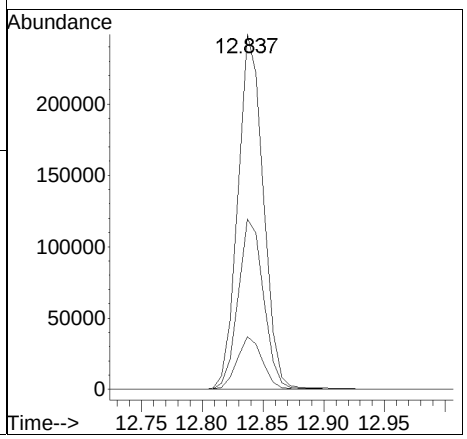


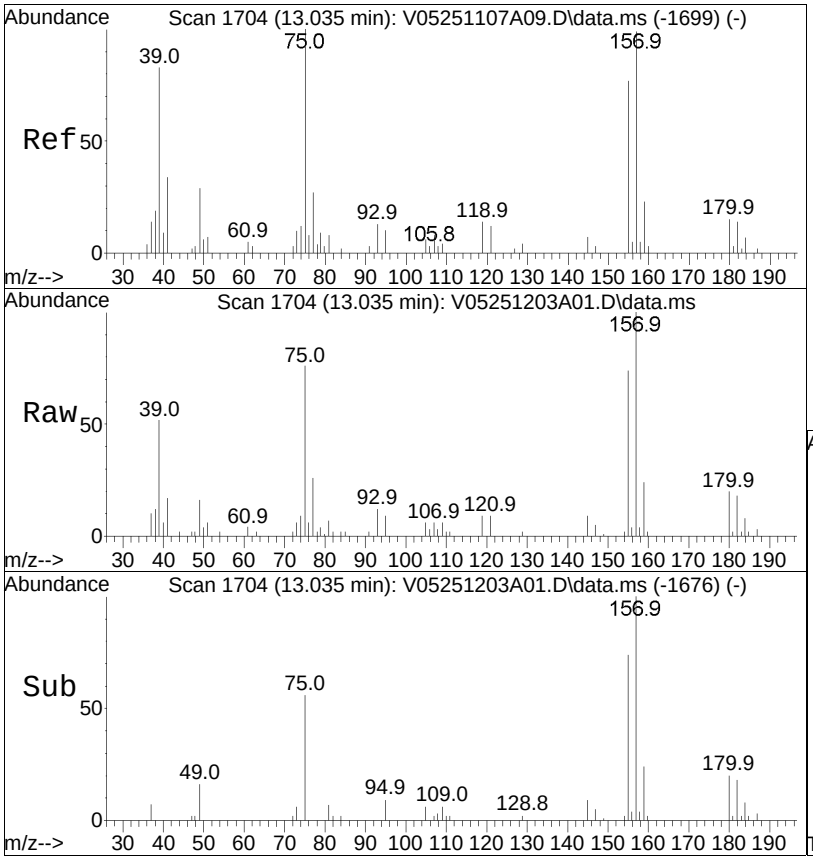


#105
1,2,4,5-Tetramethylbenzene
Concen: 9.15 ug/L
RT: 12.837 min Scan# 1676
Delta R.T. -0.007 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:119 Resp: 364327

Ion	Ratio	Lower	Upper
119	100		
134	48.0	30.9	64.3
91	14.9	10.7	22.3

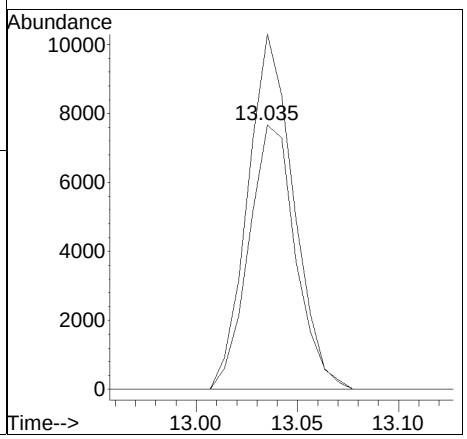


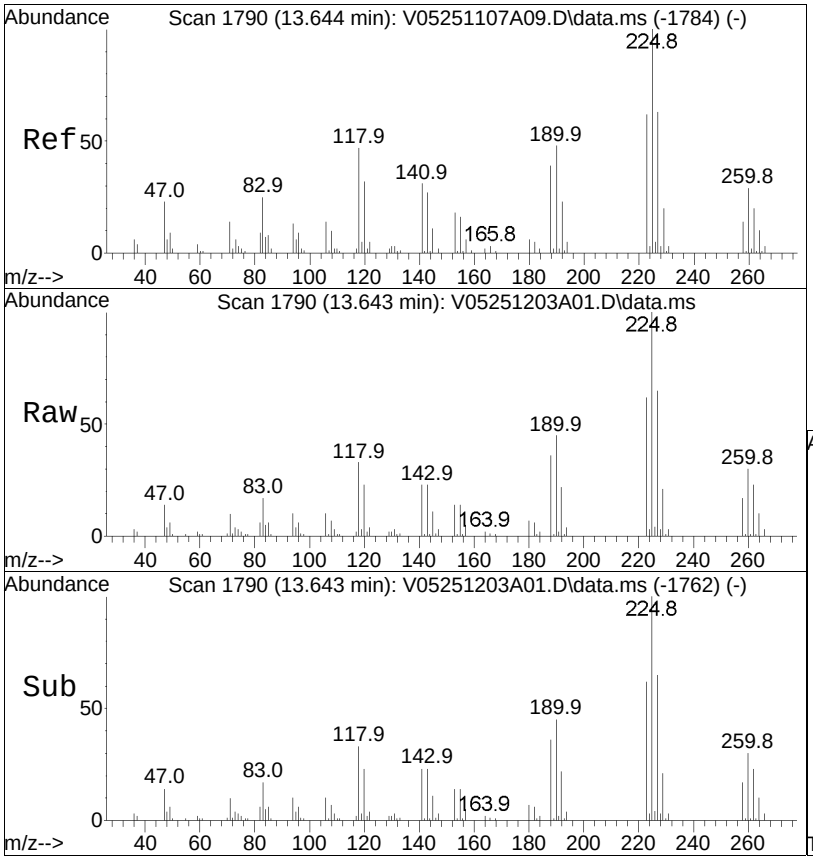


#106
1,2-Dibromo-3-chloropropane
Concen: 10.14 ug/L
RT: 13.035 min Scan# 1704
Delta R.T. 0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:155 Resp: 12337

Ion	Ratio	Lower	Upper
155	100		
157	131.3	103.2	154.8

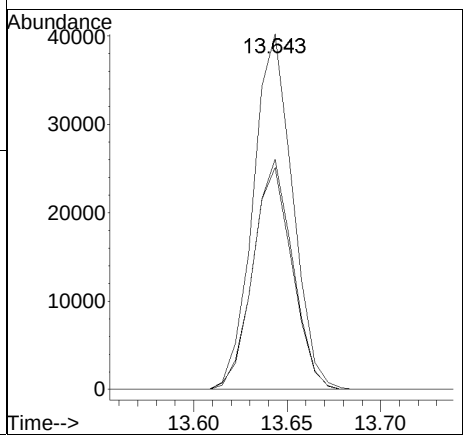


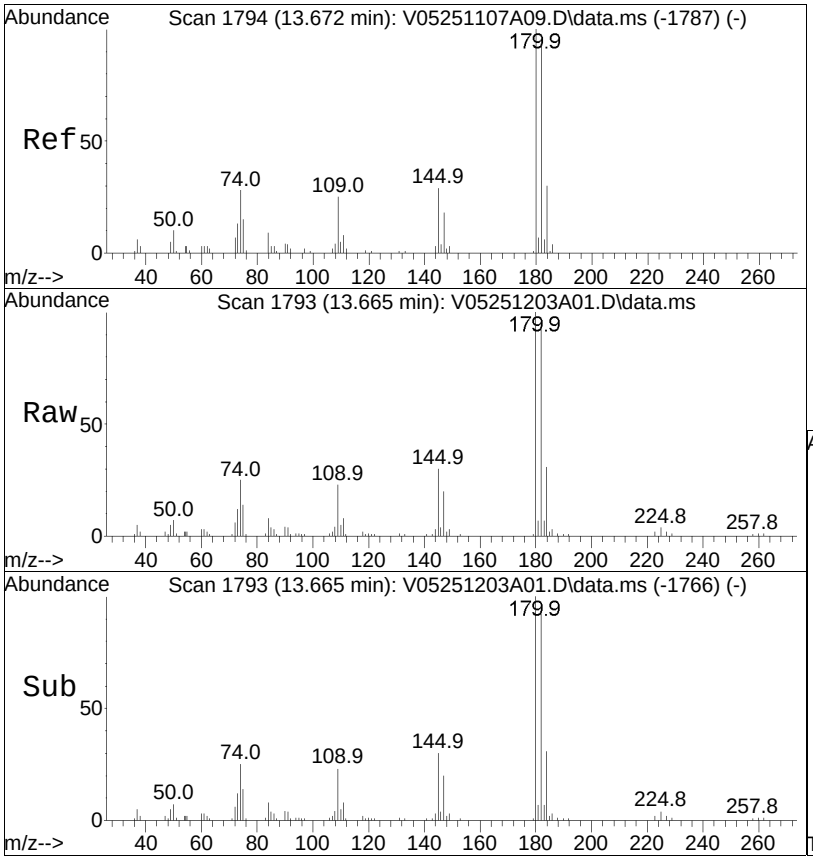


#108
Hexachlorobutadiene
Concen: 10.07 ug/L
RT: 13.643 min Scan# 1790
Delta R.T. -0.001 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:225 Resp: 59211

Ion	Ratio	Lower	Upper
225	100		
223	62.8	49.8	74.6
227	64.5	51.1	76.7

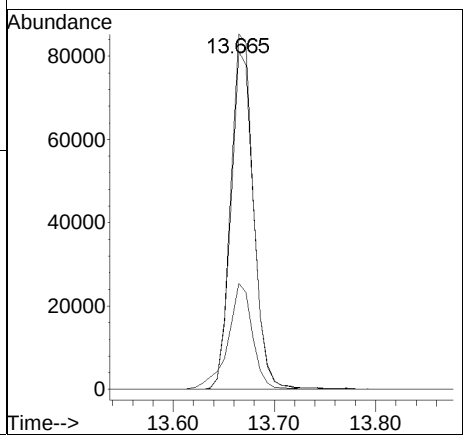


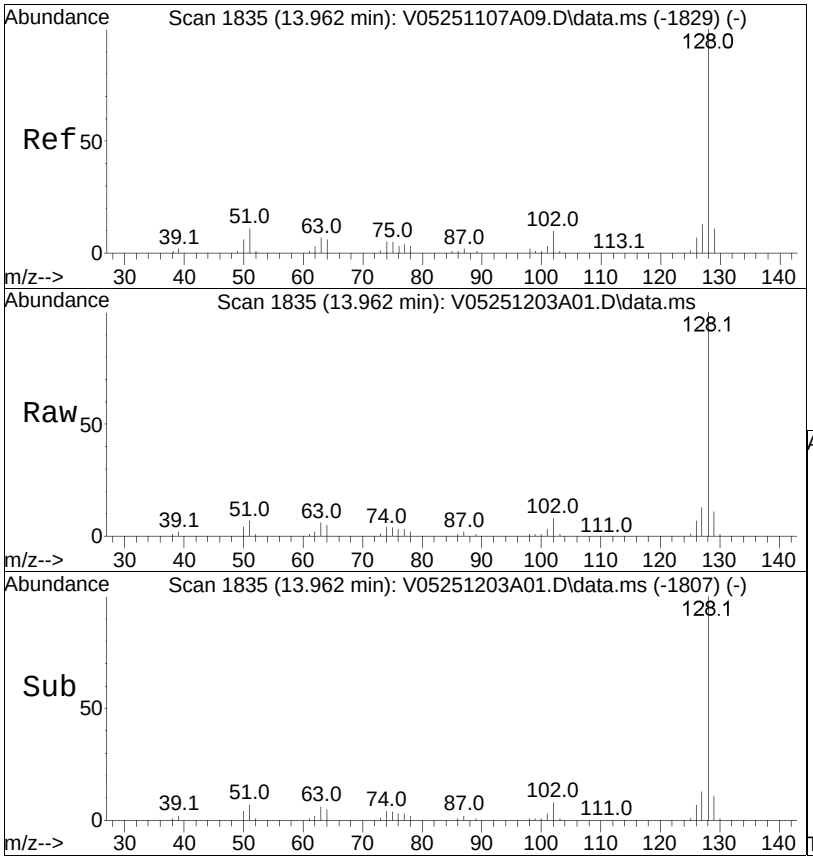


#109
1,2,4-Trichlorobenzene
Concen: 10.51 ug/L
RT: 13.665 min Scan# 1793
Delta R.T. -0.007 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:180 Resp: 134116

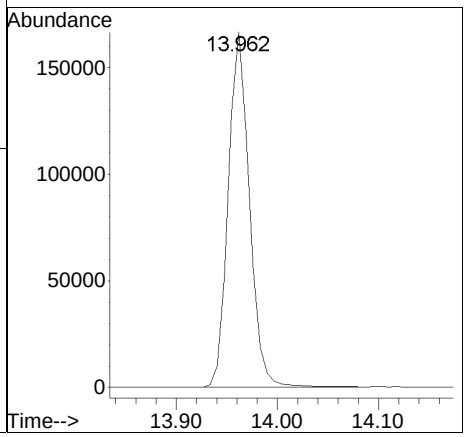
Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.1	114.1
145	32.1	28.2	42.2

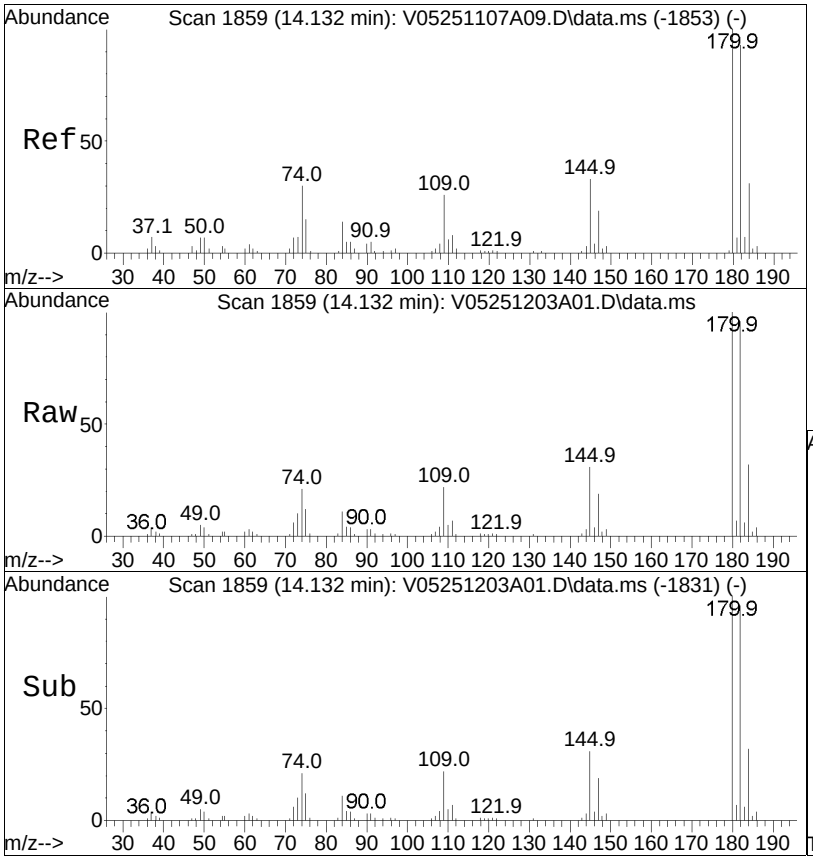




#110
Naphthalene
Concen: 10.23 ug/L
RT: 13.962 min Scan# 1835
Delta R.T. -0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:128 Resp: 242763

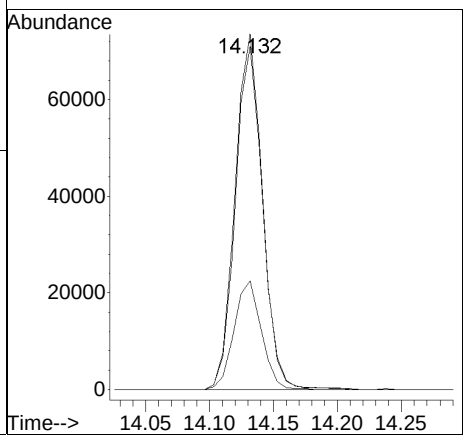




#111
1,2,3-Trichlorobenzene
Concen: 10.72 ug/L
RT: 14.132 min Scan# 1859
Delta R.T. -0.000 min
Lab File: V05251203A01.D
Acq: 3 Dec 2025 8:51 am

Tgt Ion:180 Resp: 109437

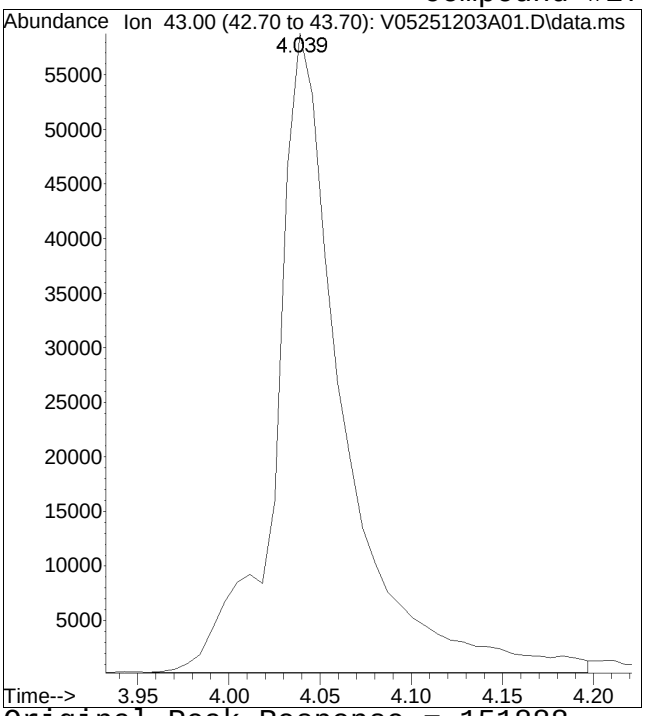
Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.8	113.6
145	30.5	26.7	40.1



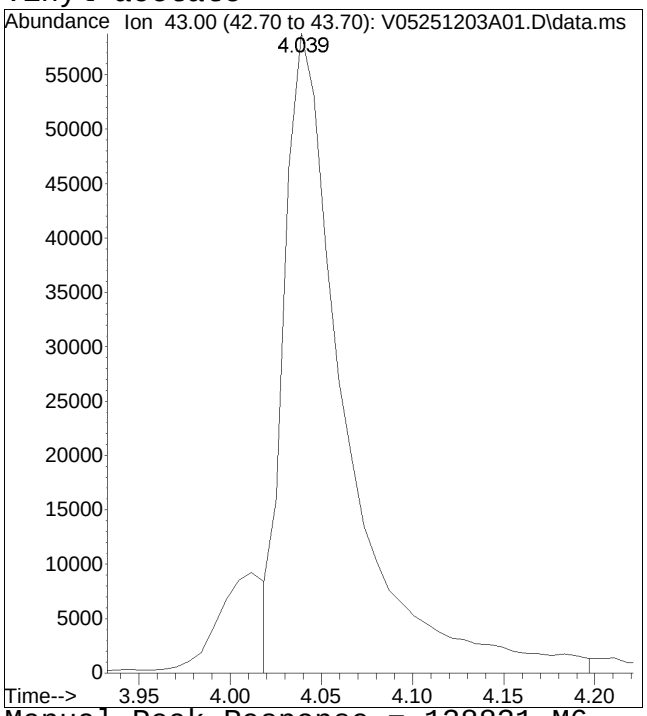
Manual Integration Report

Data Path	: K:\VOA105\2025\251203A\	QMethod	: V105_251107A_8260.m
Data File	: V05251203A01.D	Operator	: VOA105:PID
Date Inj'd	: 12/3/2025 8:51 am	Instrument	: VOA105
Sample	: WG2149674-3,31,10,10	Quant Date	: 12/3/2025 9:21 am

Compound #27: Vinyl acetate



Original Peak Response = 151888



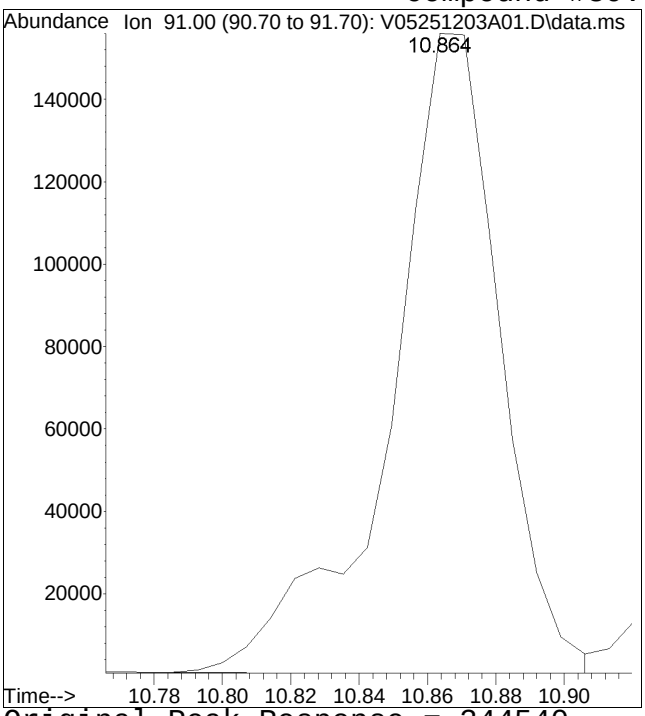
Manual Peak Response = 138831 M6

M6 = Misassignment of peak valley

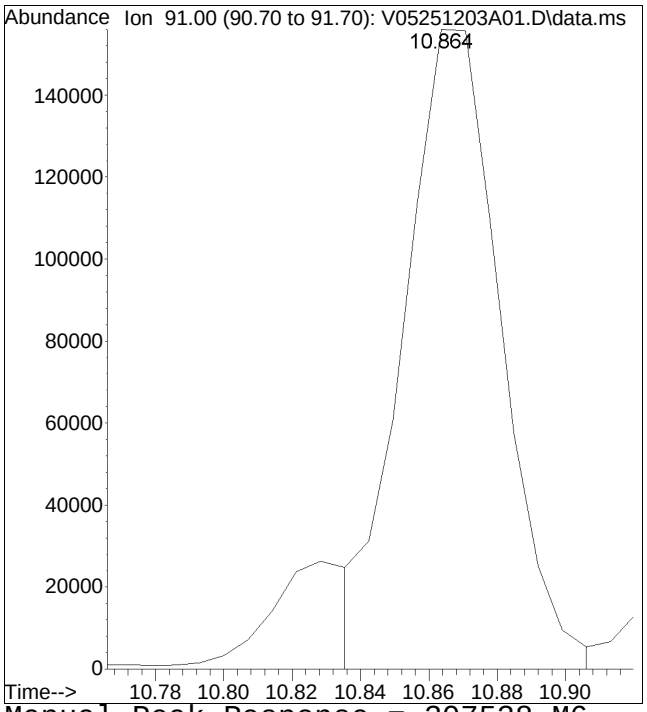
Manual Integration Report

Data Path	: K:\VOA105\2025\251203A\	QMethod	: V105_251107A_8260.m
Data File	: V05251203A01.D	Operator	: VOA105:PID
Date Inj'd	: 12/3/2025 8:51 am	Instrument	: VOA105
Sample	: WG2149674-3,31,10,10	Quant Date	: 12/3/2025 9:21 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 344540



Manual Peak Response = 307538 M6

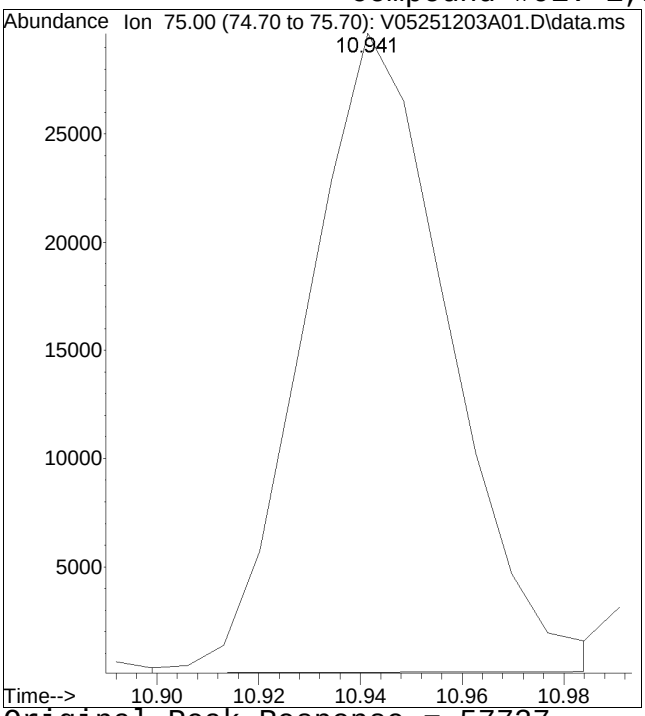
M6 = Misassignment of peak valley

Manual Integration Report

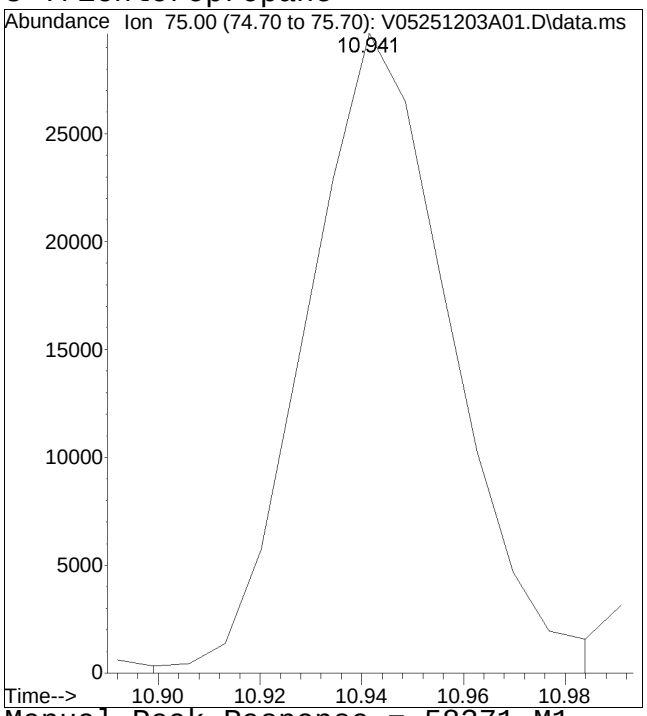
Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A01.D
Date Inj'd : 12/3/2025 8:51 am
Sample : WG2149674-3,31,10,10

QMethod : V105_251107A_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 12/3/2025 9:21 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 57737



Manual Peak Response = 58371 M1

M1 = Peak Integration was less than it should be

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B01.D
Acq On : 05 Dec 2025 12:06 pm
Operator : VOA122:PID
Sample : WG2150855-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 05 12:48:32 2025
Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.709	96	330379	10.000	ug/L	0.00
62) Chlorobenzene-d5	9.225	117	247058	10.000	ug/L	0.00
83) 1,4-Dichlorobenzene-d4	11.993	152	132762	10.000	ug/L	0.00
System Monitoring Compounds						
38) Dibromofluoromethane	4.911	113	89320	10.183	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.83%			
46) 1,2-Dichloroethane-d4	5.423	65	97456	11.508	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 115.08%			
63) Toluene-d8	7.388	98	333975	10.460	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.60%			
87) 4-Bromofluorobenzene	10.754	95	122634	10.551	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.51%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.514	85	65606	11.688	ug/L	99
3) Chloromethane	1.687	50	70027	12.903	ug/L	98
4) Vinyl chloride	1.758	62	74260	12.101	ug/L	98
5) Bromomethane	2.040	94	37219	8.637	ug/L	99
6) Chloroethane	2.142	64	57038	12.201	ug/L	96
7) Trichlorofluoromethane	2.275	101	75776	12.370	ug/L	98
8) Ethyl ether	2.558	74	17090	10.147	ug/L #	79
10) 1,1-Dichloroethene	2.746	96	41095	11.211	ug/L	83
11) Carbon disulfide	2.770	76	160716	12.952	ug/L	99
15) Methylene chloride	3.264	84	48569	11.397	ug/L	79
17) Acetone	3.303	43	7574	11.793	ug/L	93
18) trans-1,2-Dichloroethene	3.413	96	43302	10.576	ug/L	87
21) Methyl tert-butyl ether	3.507	73	66651	8.850	ug/L #	84
25) 1,1-Dichloroethane	3.970	63	93931	12.743	ug/L	97
27) Acrylonitrile	4.009	53	9743	12.231	ug/L	97
29) Vinyl acetate	4.205	43	71582	12.913	ug/L	96
30) cis-1,2-Dichloroethene	4.480	96	45262	10.415	ug/L	88
31) 2,2-Dichloropropane	4.582	77	69198	12.088	ug/L	88
32) Bromochloromethane	4.668	128	20098	10.011	ug/L #	69
34) Chloroform	4.739	83	80654	10.867	ug/L	95
36) Carbon tetrachloride	4.880	117	65692	11.495	ug/L	99
39) 1,1,1-Trichloroethane	4.935	97	73448	11.416	ug/L	94
41) 2-Butanone	5.021	43	8395M6	11.119	ug/L	
42) 1,1-Dichloropropene	5.053	75	56946	10.655	ug/L	97

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B01.D
Acq On : 05 Dec 2025 12:06 pm
Operator : VOA122:PID
Sample : WG2150855-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 05 12:48:32 2025
Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) Benzene	5.296	78	123237	12.017	ug/L		95
47) 1,2-Dichloroethane	5.493	62	53141	11.961	ug/L		98
51) Trichloroethene	5.884	95	46796	10.297	ug/L		91
53) Dibromomethane	6.310	93	21809	10.585	ug/L	#	85
54) 1,2-Dichloropropane	6.422	63	44096	10.909	ug/L		98
57) Bromodichloromethane	6.491	83	42857	11.352	ug/L		98
60) 1,4-Dioxane	6.700	88	8072	333.145	ug/L	#	79
61) cis-1,3-Dichloropropene	7.179	75	58890	10.146	ug/L	#	88
64) Toluene	7.450	92	107972	11.032	ug/L		100
65) 4-Methyl-2-pentanone	7.881	58	6041	8.556	ug/L		77
66) Tetrachloroethene	7.895	166	42957	10.355	ug/L		93
68) trans-1,3-Dichloropropene	7.923	75	47890	10.713	ug/L		92
71) 1,1,2-Trichloroethane	8.111	83	23850	10.641	ug/L		96
72) Chlorodibromomethane	8.319	129	34001	9.699	ug/L		98
73) 1,3-Dichloropropane	8.424	76	48136	10.833	ug/L		99
74) 1,2-Dibromoethane	8.583	107	25608	9.618	ug/L		98
76) 2-Hexanone	8.882	43	10667	8.320	ug/L		96
77) Chlorobenzene	9.246	112	118299	10.637	ug/L		96
78) Ethylbenzene	9.288	91	211248	10.589	ug/L		98
79) 1,1,1,2-Tetrachloroethane	9.330	131	38012	10.010	ug/L		100
80) p/m Xylene	9.477	106	160938	19.908	ug/L		96
81) o Xylene	10.024	106	150322	19.260	ug/L		94
82) Styrene	10.094	104	254403	19.965	ug/L		95
84) Bromoform	10.108	173	18012	8.847	ug/L		100
86) Isopropylbenzene	10.431	105	203692	10.024	ug/L		98
88) Bromobenzene	10.866	156	42864	9.662	ug/L		98
89) n-Propylbenzene	10.922	91	264445	10.876	ug/L		96
91) 1,1,2,2-Tetrachloroethane	11.006	83	34913	11.570	ug/L		99
92) 4-Ethyltoluene	11.055	105	211826	10.563	ug/L		97
93) 2-Chlorotoluene	11.083	91	152224M6	10.975	ug/L		
94) 1,3,5-Trimethylbenzene	11.160	105	175724	10.284	ug/L		96
95) 1,2,3-Trichloropropane	11.146	75	28002	11.712	ug/L		95
96) trans-1,4-Dichloro-2-b...	11.202	53	10742	12.604	ug/L	#	83
97) 4-Chlorotoluene	11.272	91	155464	10.730	ug/L		95
98) tert-Butylbenzene	11.504	119	142294	9.707	ug/L		97
101) 1,2,4-Trimethylbenzene	11.581	105	168985	10.201	ug/L		96
102) sec-Butylbenzene	11.693	105	135333	11.360	ug/L		98
103) p-Isopropyltoluene	11.860	119	181112	10.075	ug/L		98
104) 1,3-Dichlorobenzene	11.909	146	94914	10.313	ug/L		99
105) 1,4-Dichlorobenzene	12.007	146	93076	10.255	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B01.D
Acq On : 05 Dec 2025 12:06 pm
Operator : VOA122:PID
Sample : WG2150855-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 05 12:48:32 2025
Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) p-Diethylbenzene	12.243	119	102776	9.888	ug/L	97
107) n-Butylbenzene	12.299	91	177175	11.359	ug/L	97
108) 1,2-Dichlorobenzene	12.431	146	80675	10.093	ug/L	98
109) 1,2,4,5-Tetramethylben...	13.044	119	122892	8.785	ug/L	98
110) 1,2-Dibromo-3-chloropr...	13.225	155	4149	9.150	ug/L	100
112) Hexachlorobutadiene	13.851	225	17208	9.550	ug/L	98
113) 1,2,4-Trichlorobenzene	13.865	180	36178	8.354	ug/L	98
114) Naphthalene	14.157	128	72698	7.776	ug/L	100
115) 1,2,3-Trichlorobenzene	14.325	180	29609	8.342	ug/L	99

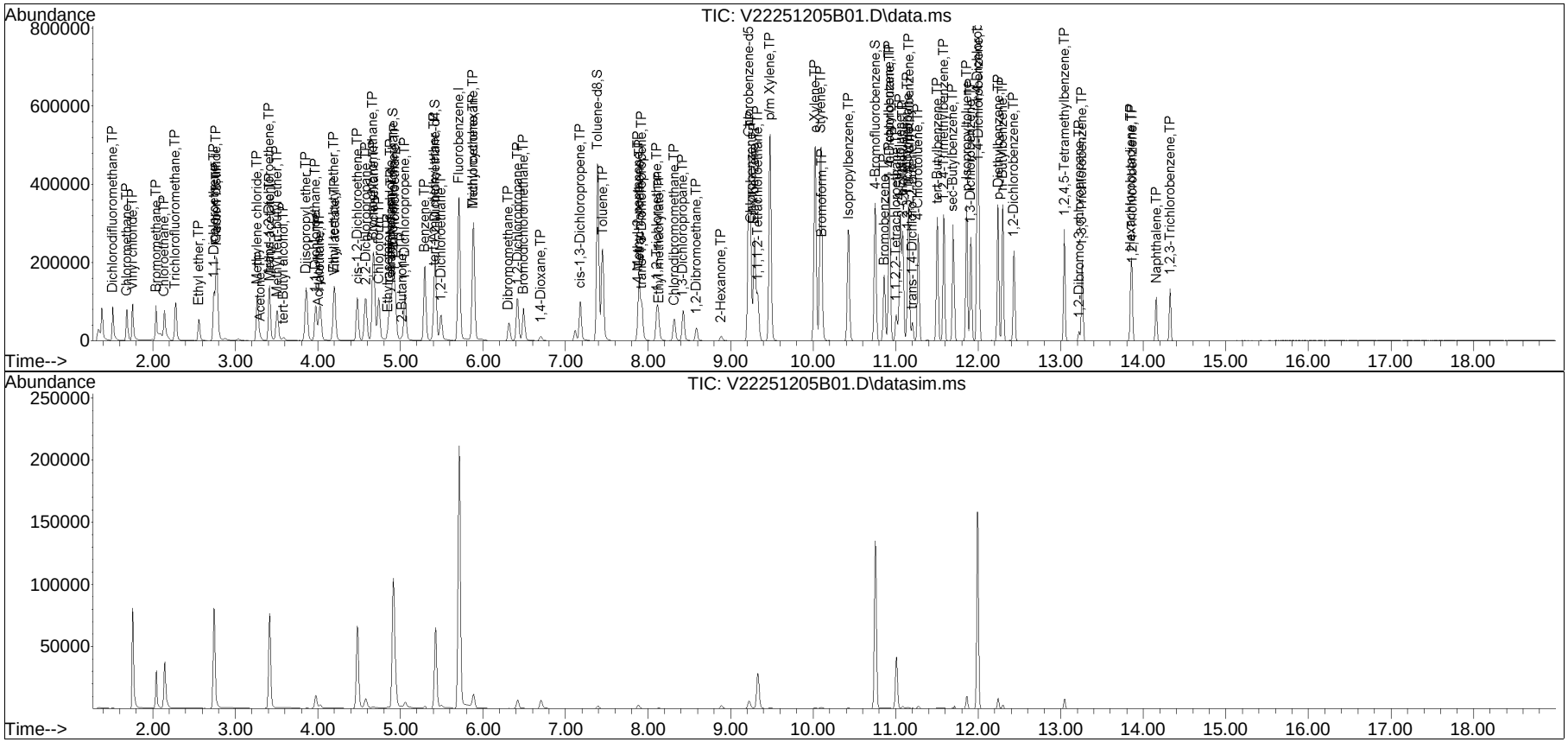
(#) = qualifier out of range (m) = manual integration (+) = signals summed

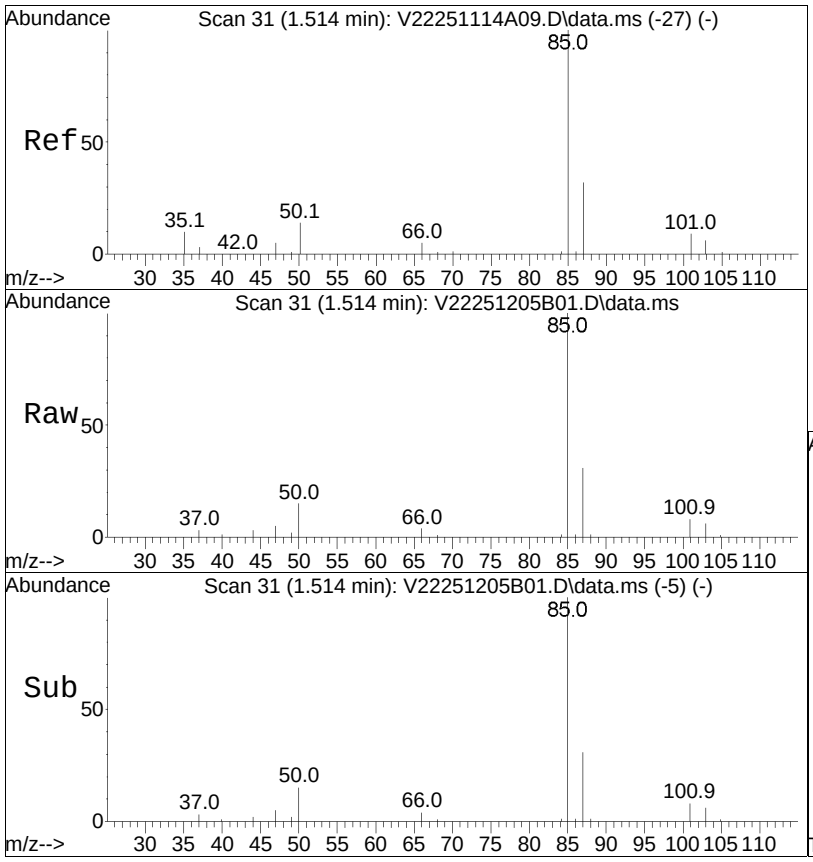
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B01.D
Acq On : 05 Dec 2025 12:06 pm
Operator : VOA122:PID
Sample : WG2150855-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 05 12:48:32 2025
Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

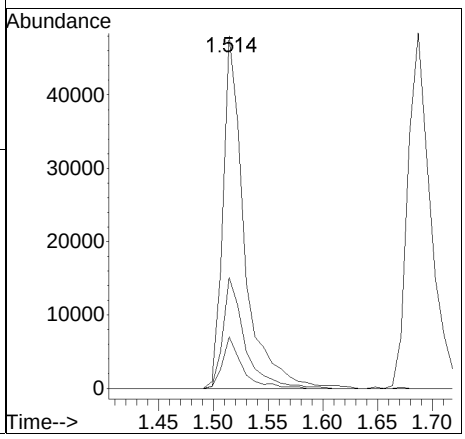


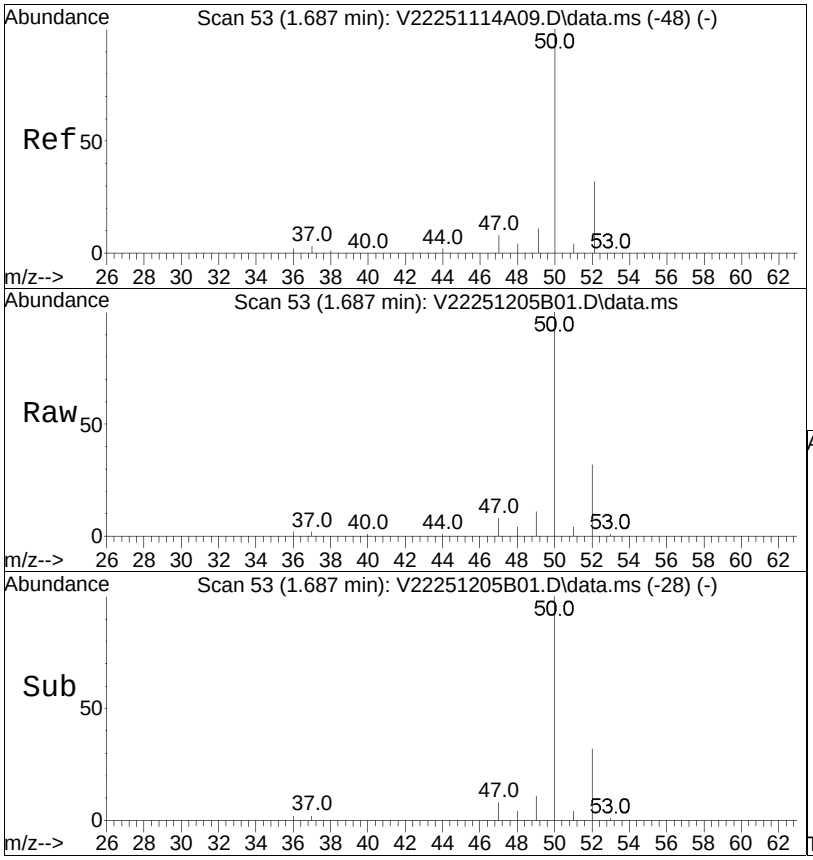


#2
Dichlorodifluoromethane
Concen: 11.69 ug/L
RT: 1.514 min Scan# 31
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 85 Resp: 65606

Ion	Ratio	Lower	Upper
85	100		
87	32.0	21.1	43.7
50	13.5	8.3	17.1

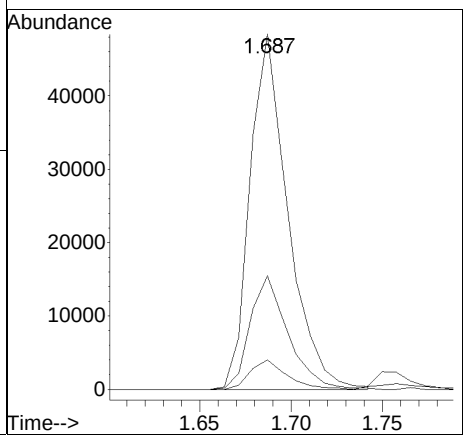


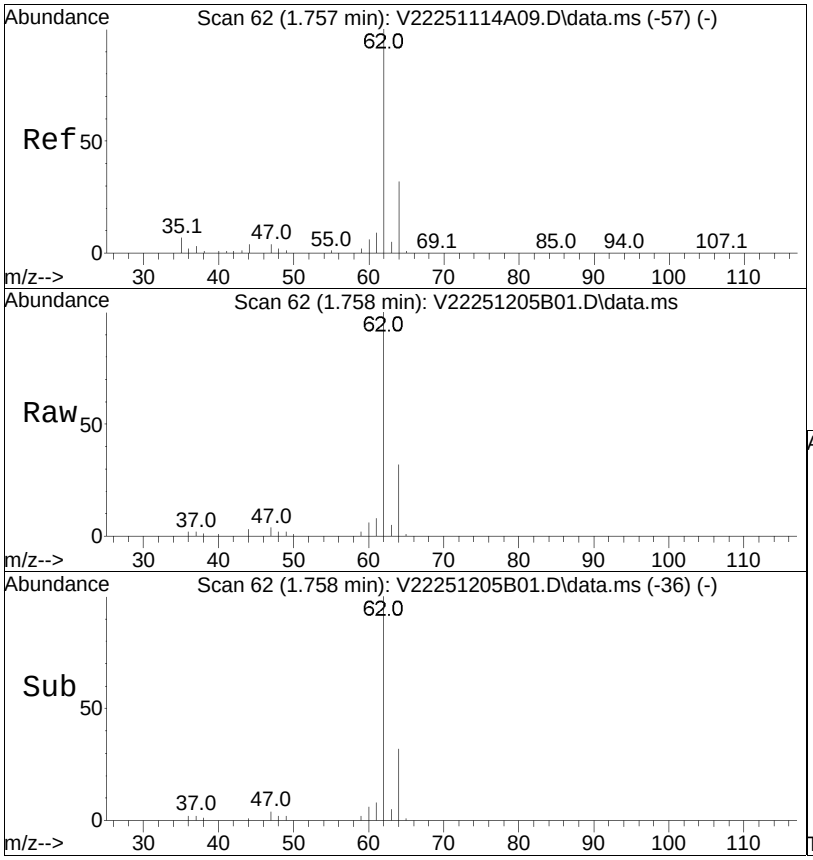


#3
Chloromethane
Concen: 12.90 ug/L
RT: 1.687 min Scan# 53
Delta R.T. -0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 50 Resp: 70027

Ion	Ratio	Lower	Upper
50	100		
52	32.0	13.1	53.1
47	8.1	0.0	27.9

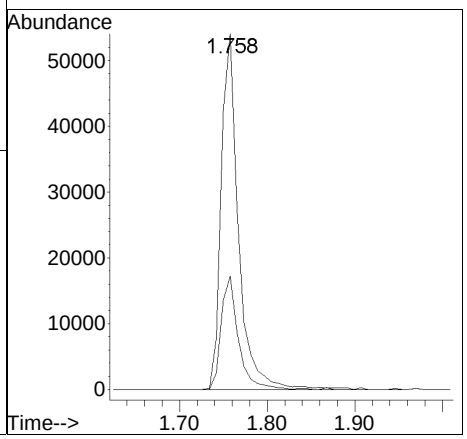


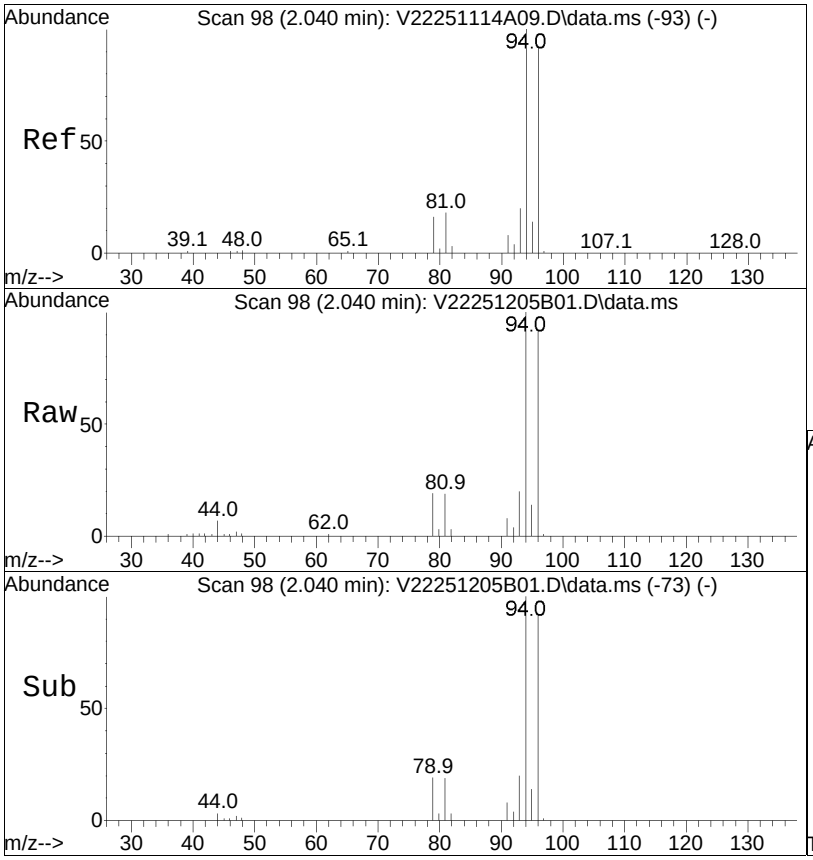


#4
Vinyl chloride
Concen: 12.10 ug/L
RT: 1.758 min Scan# 62
Delta R.T. 0.001 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 62 Resp: 74260

Ion	Ratio	Lower	Upper
62	100		
64	31.4	12.5	52.5

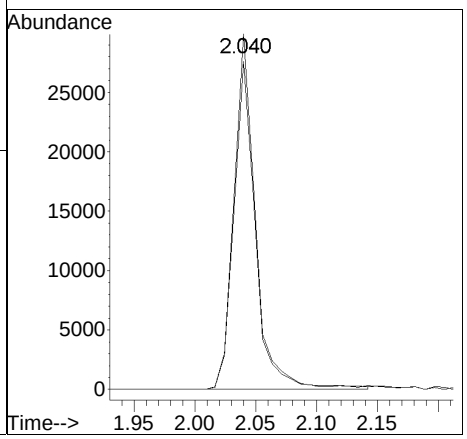


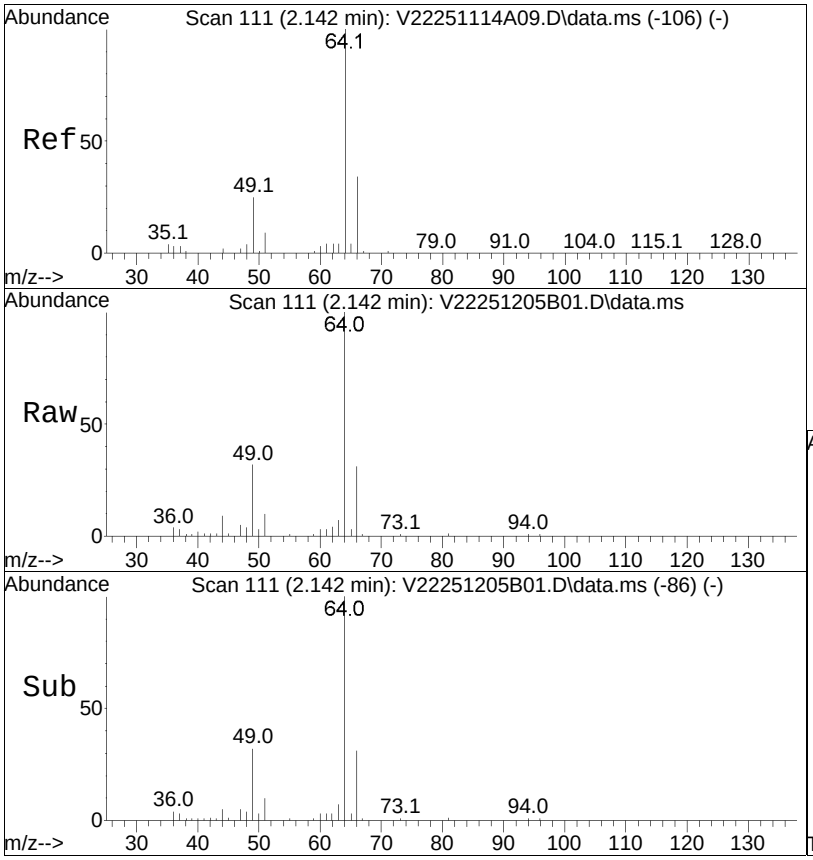


#5
Bromomethane
Concen: 8.64 ug/L
RT: 2.040 min Scan# 98
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 94 Resp: 37219

Ion	Ratio	Lower	Upper
94	100		
96	91.3	72.2	112.2

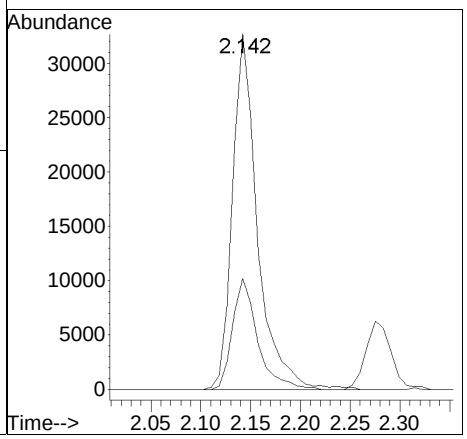


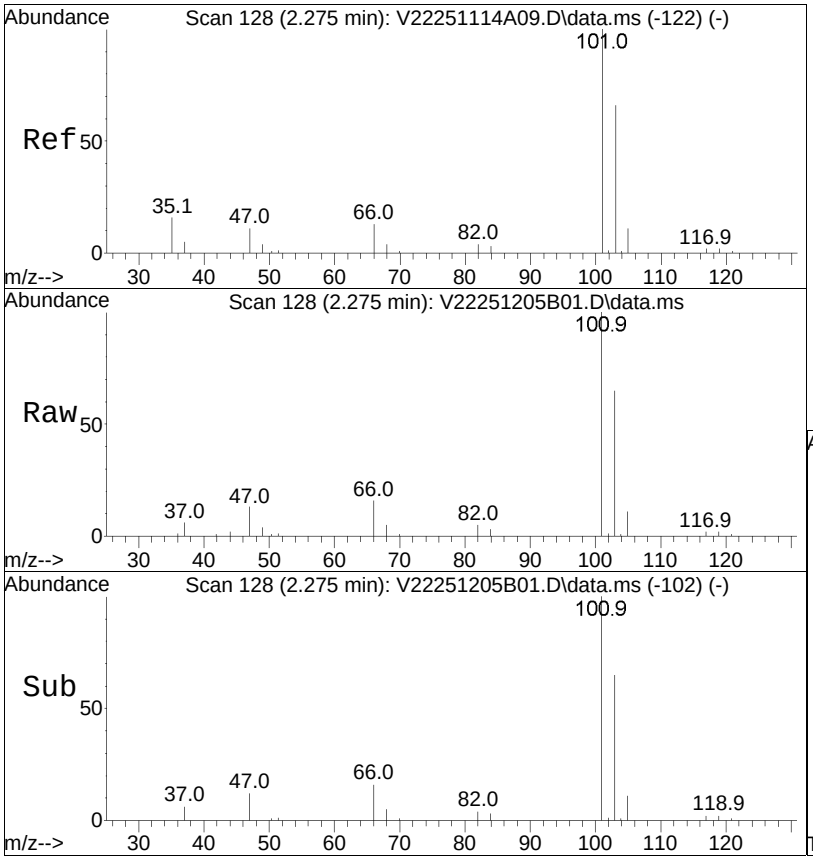


#6
Chloroethane
Concen: 12.20 ug/L
RT: 2.142 min Scan# 111
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 64 Resp: 57038

Ion	Ratio	Lower	Upper
64	100		
66	31.3	13.6	53.6

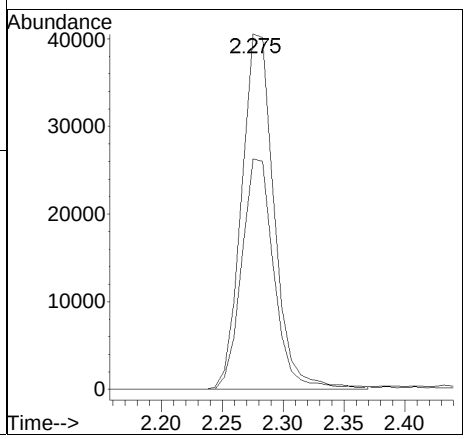


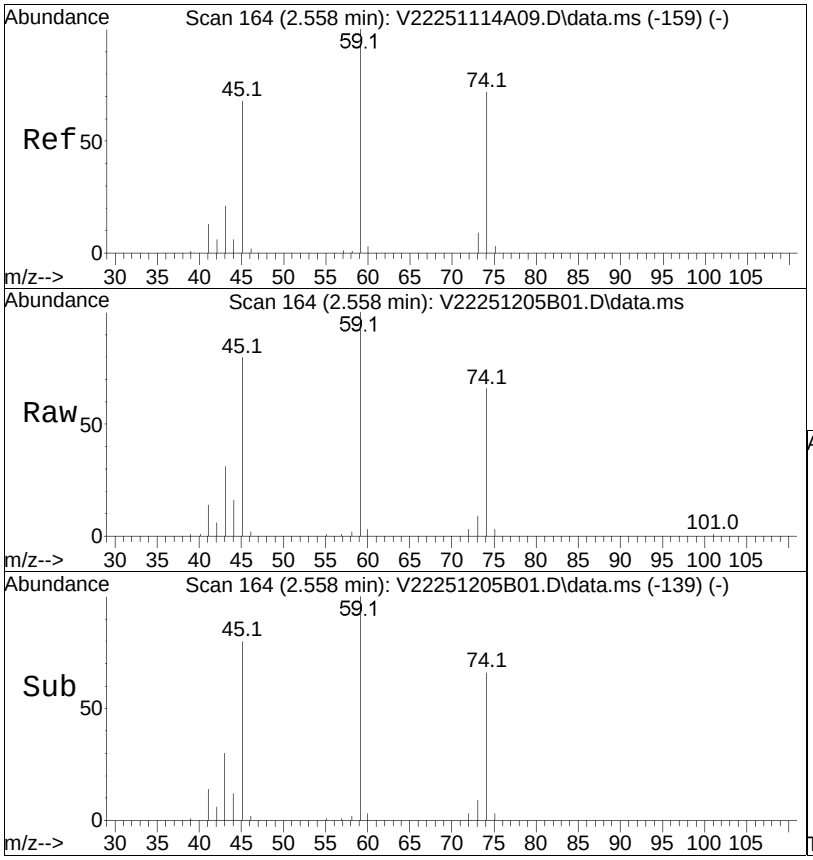


#7
Trichlorofluoromethane
Concen: 12.37 ug/L
RT: 2.275 min Scan# 128
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:101 Resp: 75776

Ion	Ratio	Lower	Upper
101	100		
103	64.6	53.3	79.9

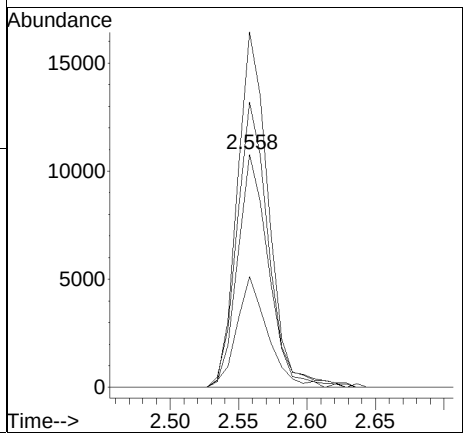


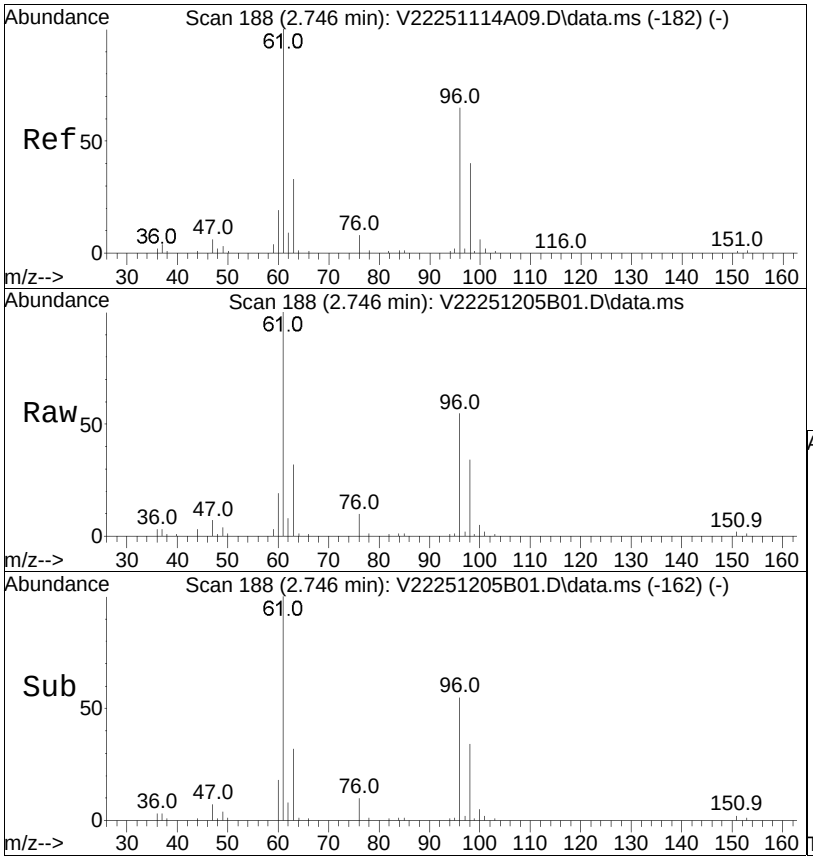


#8
Ethyl ether
Concen: 10.15 ug/L
RT: 2.558 min Scan# 164
Delta R.T. -0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 74 Resp: 17090

Ion	Ratio	Lower	Upper
74	100		
59	152.8	89.7	186.3
45	124.4	61.6	128.0
43	47.6	20.8	43.2#

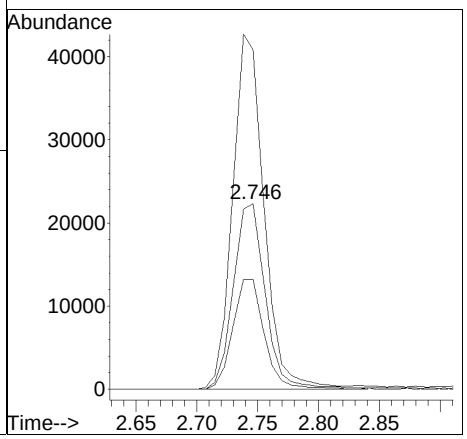


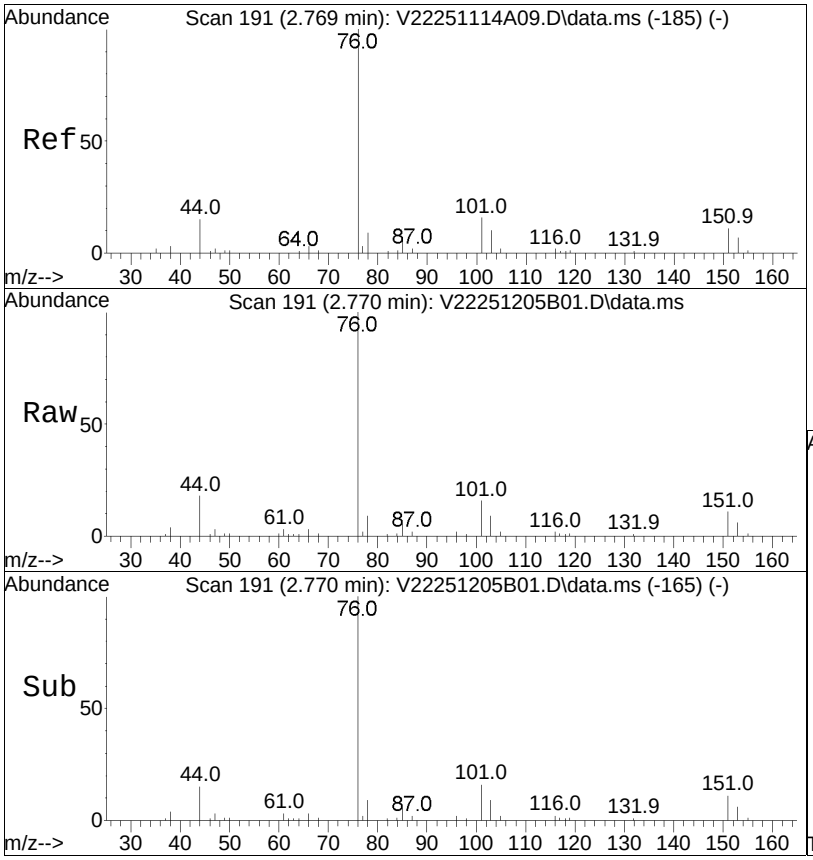


#10
1,1-Dichloroethene
Concen: 11.21 ug/L
RT: 2.746 min Scan# 188
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 96 Resp: 41095

Ion	Ratio	Lower	Upper
96	100		
61	186.3	128.4	192.6
63	58.4	41.8	62.6

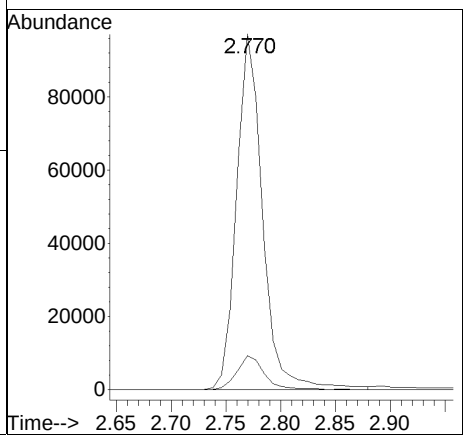


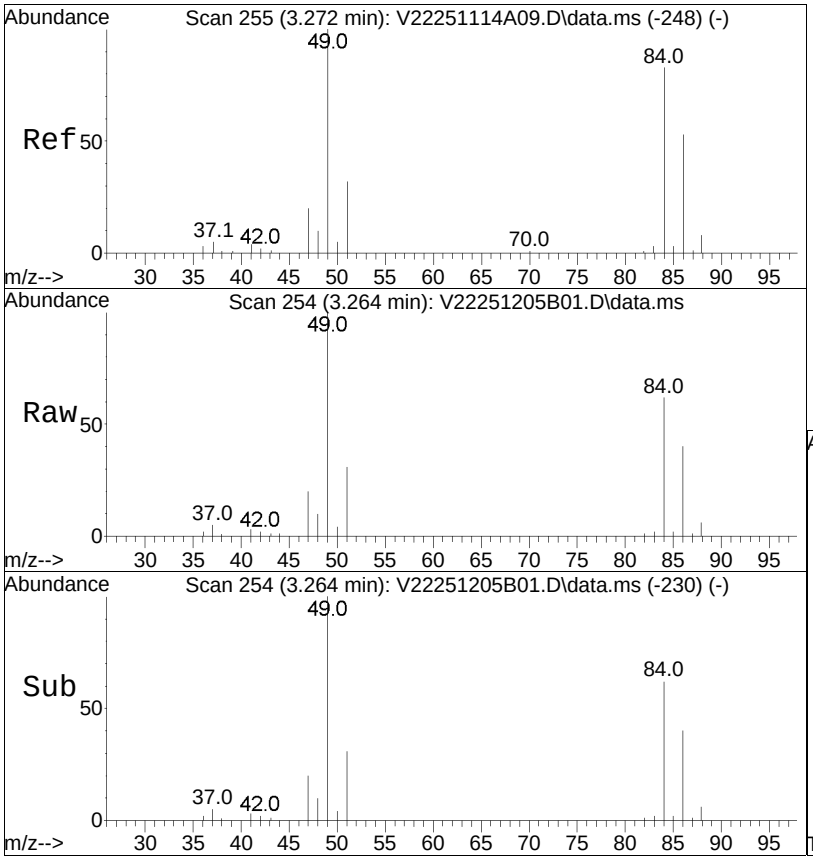


#11
Carbon disulfide
Concen: 12.95 ug/L
RT: 2.770 min Scan# 191
Delta R.T. 0.001 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 76 Resp: 160716

Ion	Ratio	Lower	Upper
76	100		
78	9.8	6.5	13.5

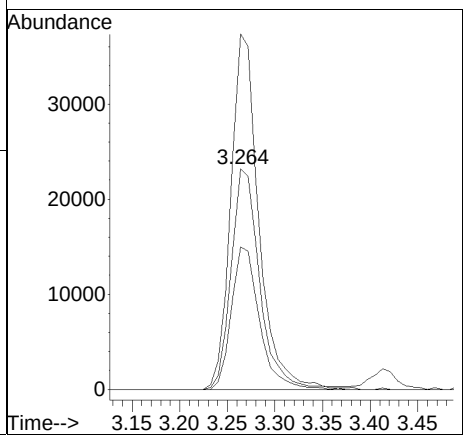


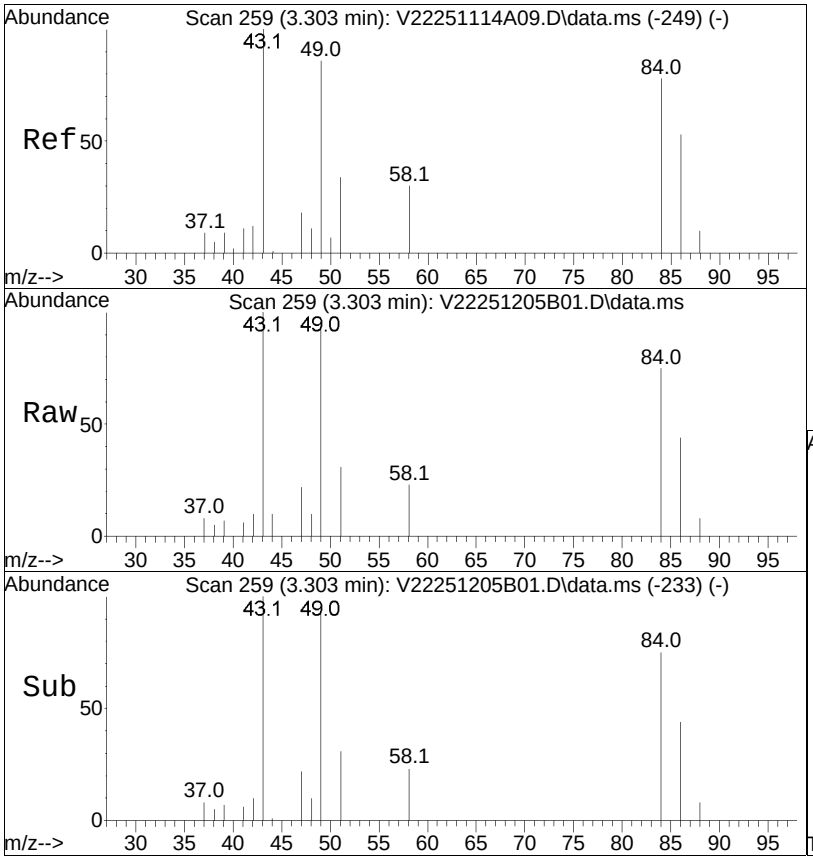


#15
Methylene chloride
Concen: 11.40 ug/L
RT: 3.264 min Scan# 254
Delta R.T. -0.008 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 84 Resp: 48569

Ion	Ratio	Lower	Upper
84	100		
86	63.4	41.3	85.7
49	157.6	79.7	165.5

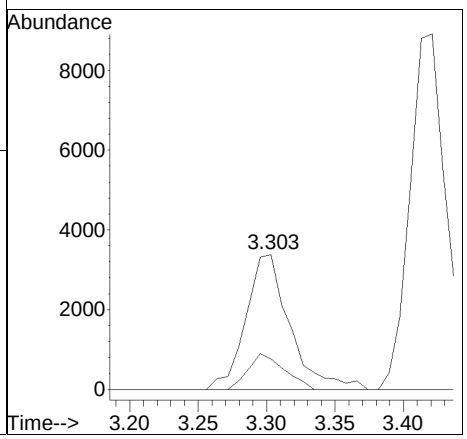


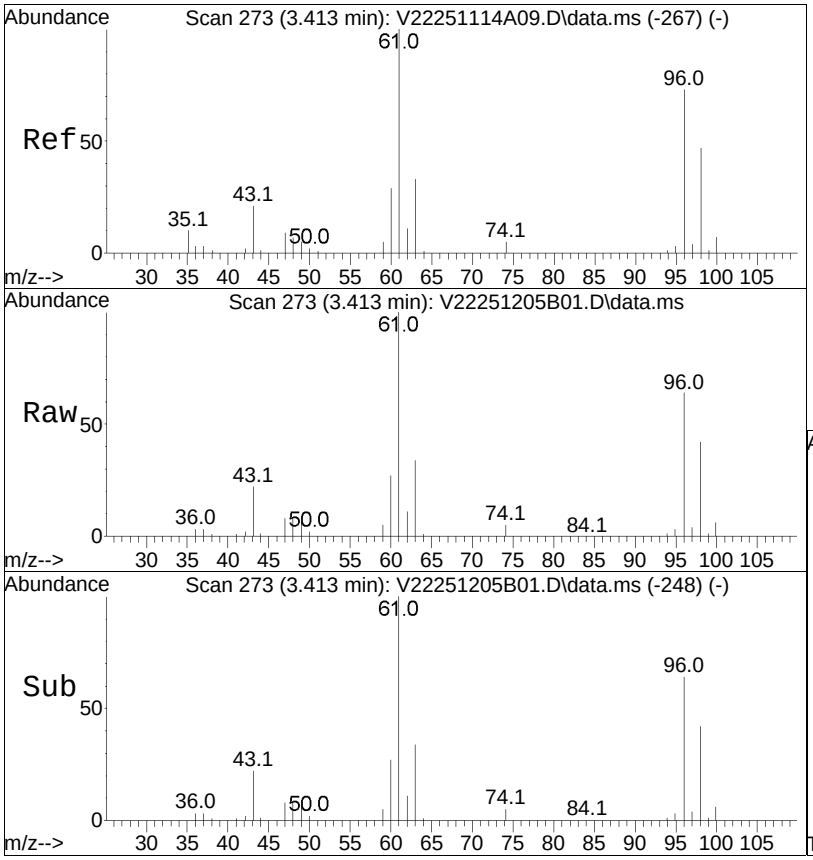


#17
Acetone
Concen: 11.79 ug/L
RT: 3.303 min Scan# 259
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 43 Resp: 7574

Ion	Ratio	Lower	Upper
43	100		
58	21.8	20.4	30.6

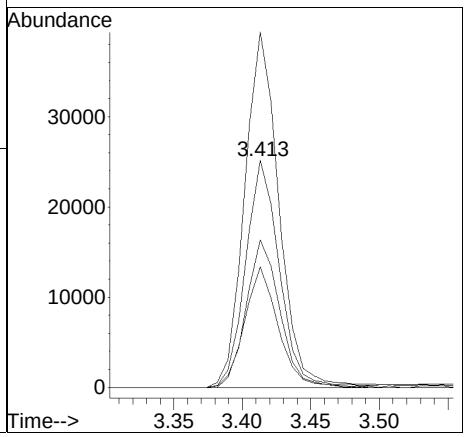


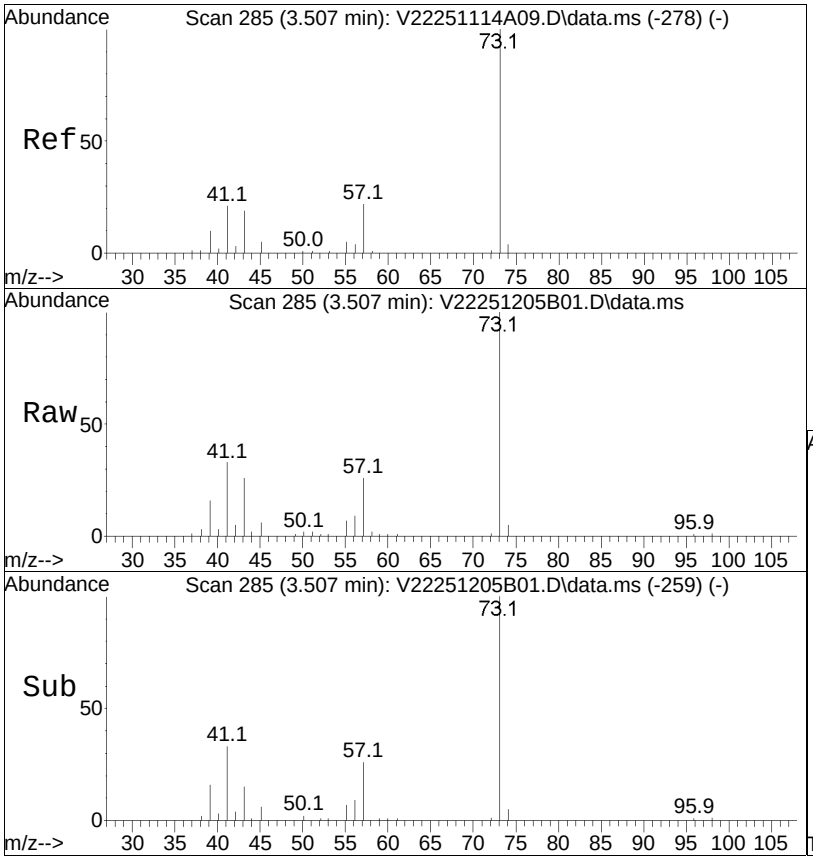


#18
trans-1,2-Dichloroethene
Concen: 10.58 ug/L
RT: 3.413 min Scan# 273
Delta R.T. -0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 96 Resp: 43302

Ion	Ratio	Lower	Upper
96	100		
61	159.9	89.6	186.0
98	64.7	41.9	87.1
63	52.4	28.5	59.1

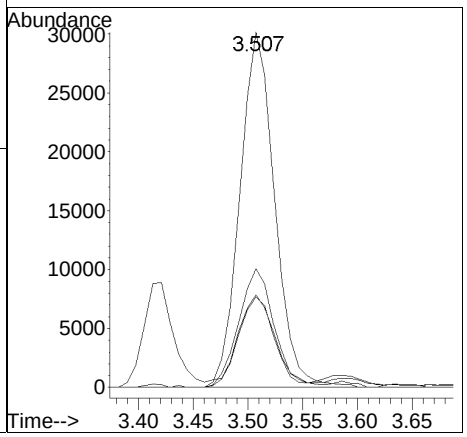


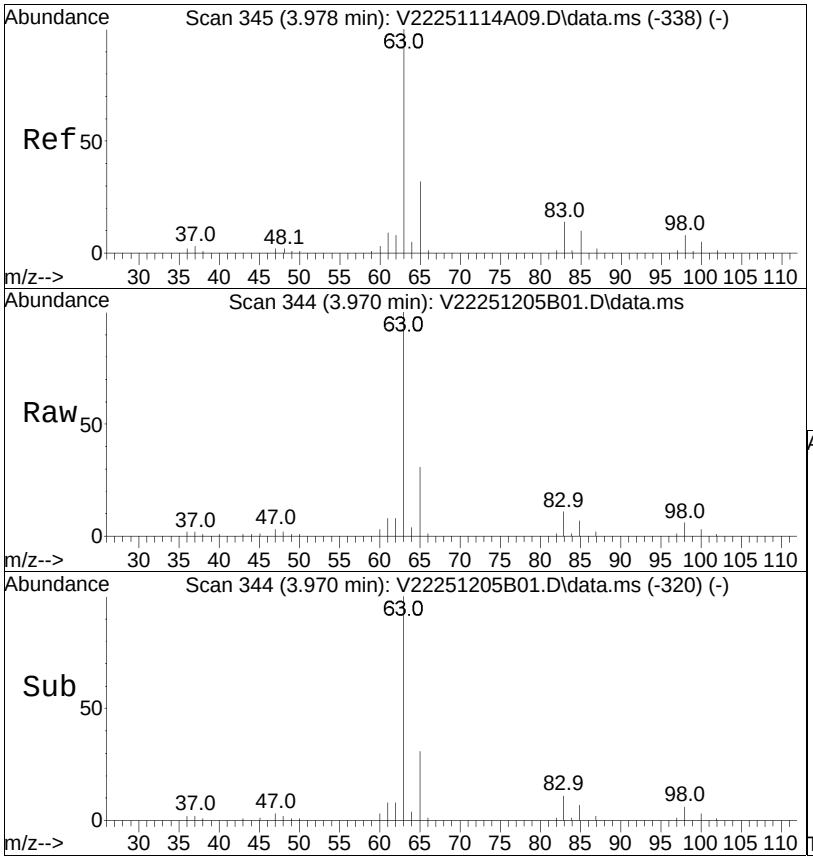


#21
Methyl tert-butyl ether
Concen: 8.85 ug/L
RT: 3.507 min Scan# 285
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 73 Resp: 66651

Ion	Ratio	Lower	Upper
73	100		
57	26.7	14.7	30.5
43	27.3	13.7	28.4
41	33.8	14.1	29.3#

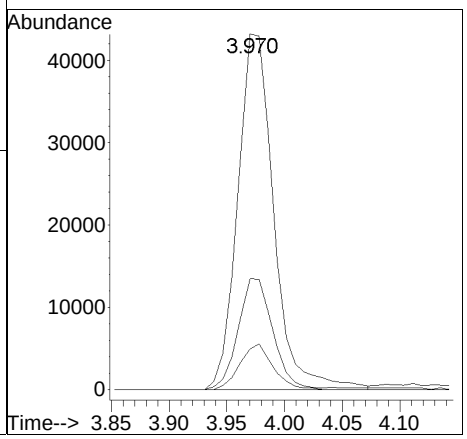


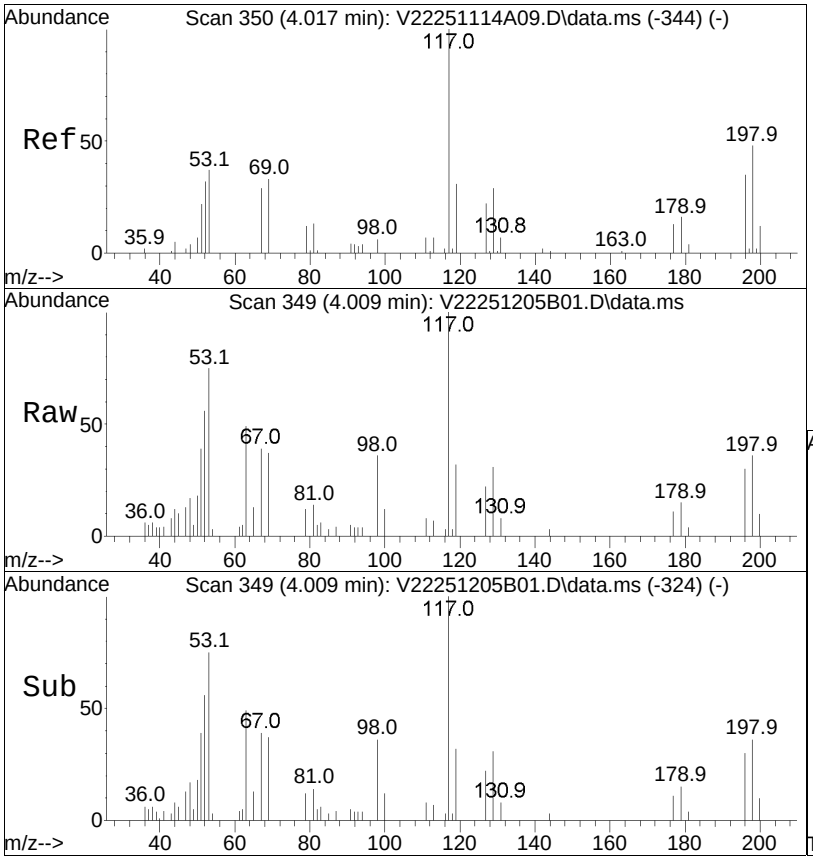


#25
1,1-Dichloroethane
Concen: 12.74 ug/L
RT: 3.970 min Scan# 344
Delta R.T. -0.008 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 63 Resp: 93931

Ion	Ratio	Lower	Upper
63	100		
65	29.9	11.2	51.2
83	11.6	0.0	33.2

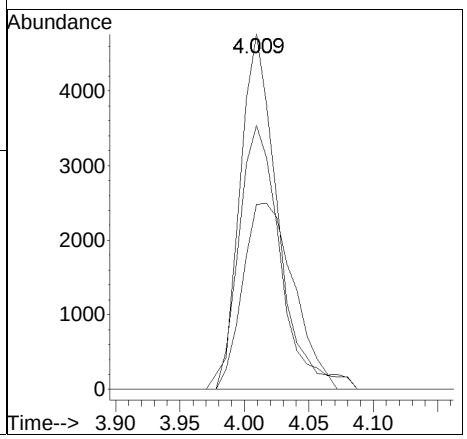


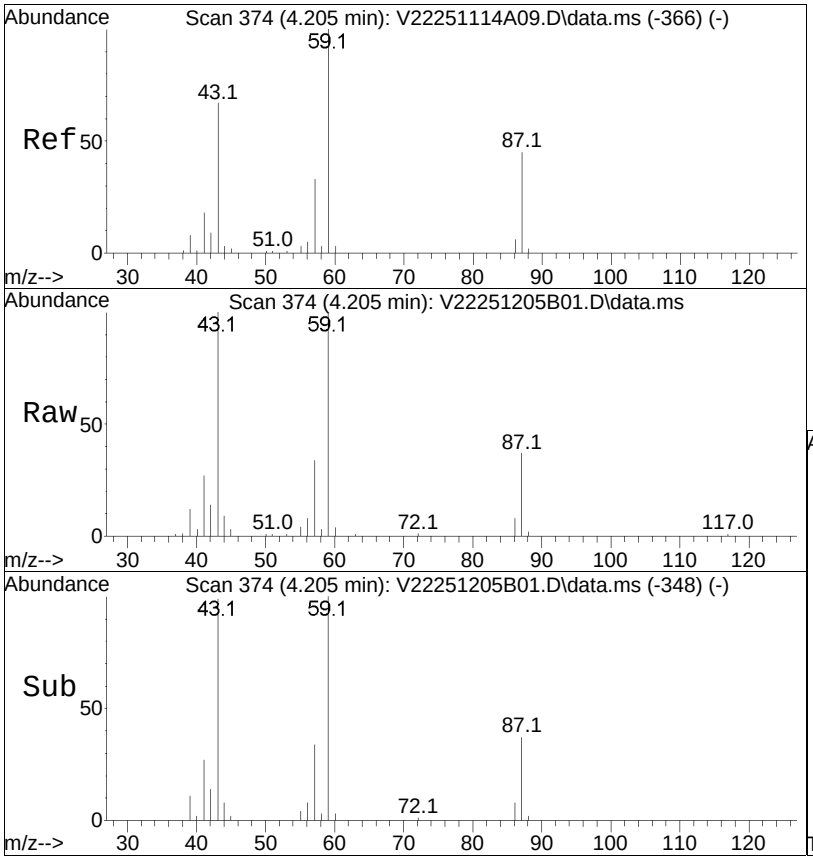


#27
Acrylonitrile
Concen: 12.23 ug/L
RT: 4.009 min Scan# 349
Delta R.T. -0.008 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 53 Resp: 9743

Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.1	99.1
51	70.3	53.6	80.4

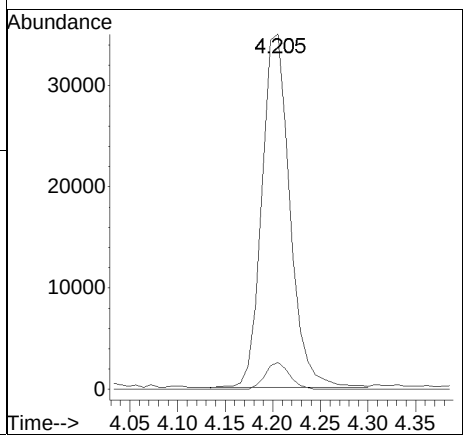


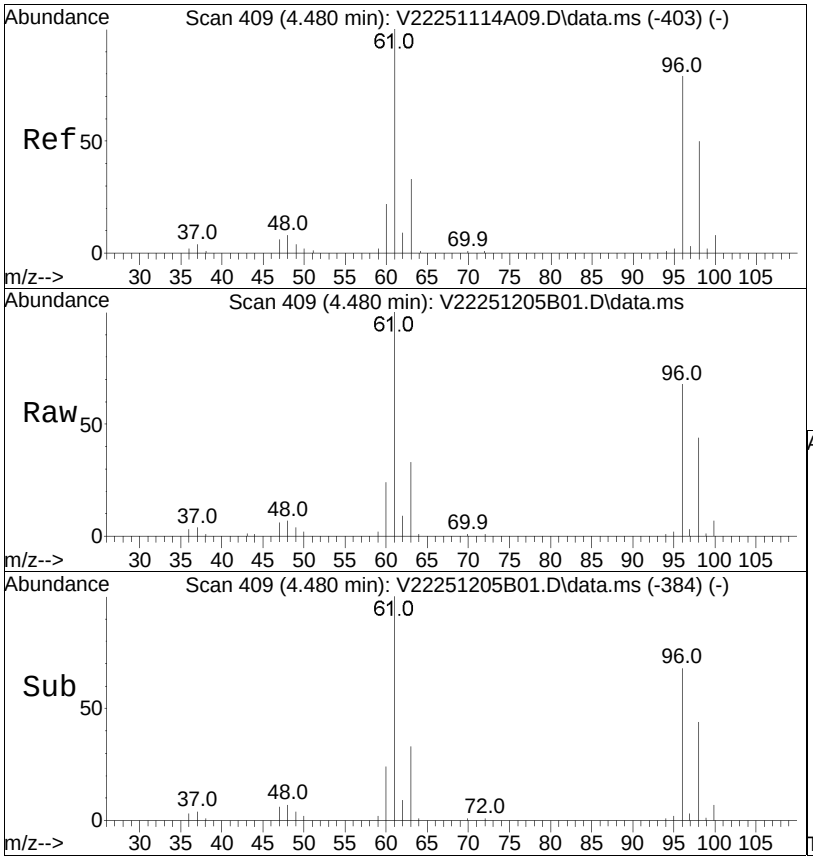


#29
Vinyl acetate
Concen: 12.91 ug/L
RT: 4.205 min Scan# 374
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 43 Resp: 71582

Ion	Ratio	Lower	Upper
43	100		
86	6.6	6.5	9.7

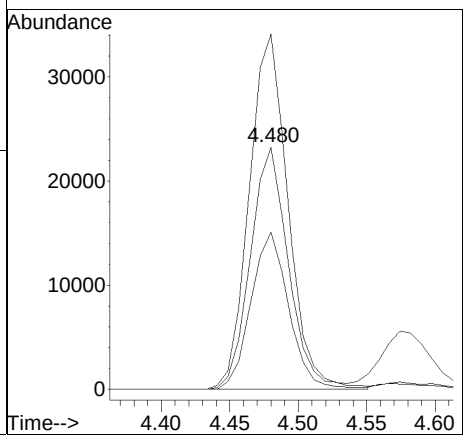


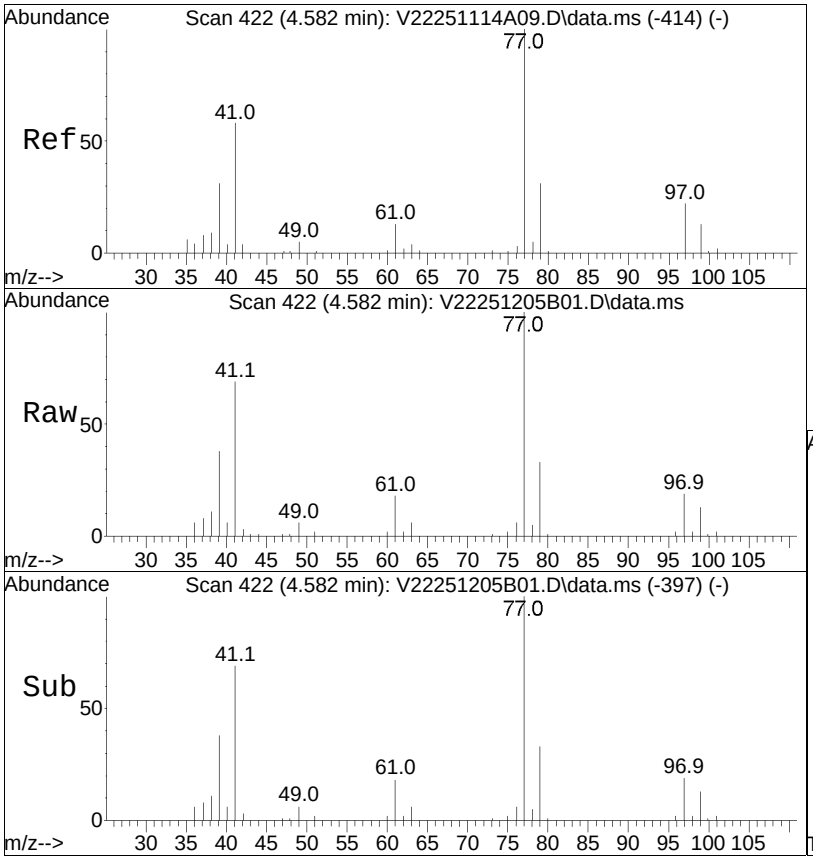


#30
cis-1,2-Dichloroethene
Concen: 10.41 ug/L
RT: 4.480 min Scan# 409
Delta R.T. -0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 96 Resp: 45262

Ion	Ratio	Lower	Upper
96	100		
61	148.0	102.3	153.5
98	63.9	51.3	76.9

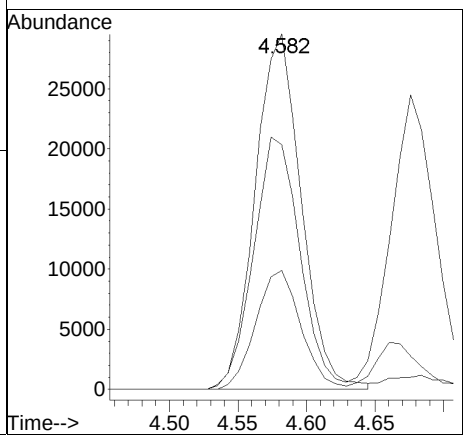


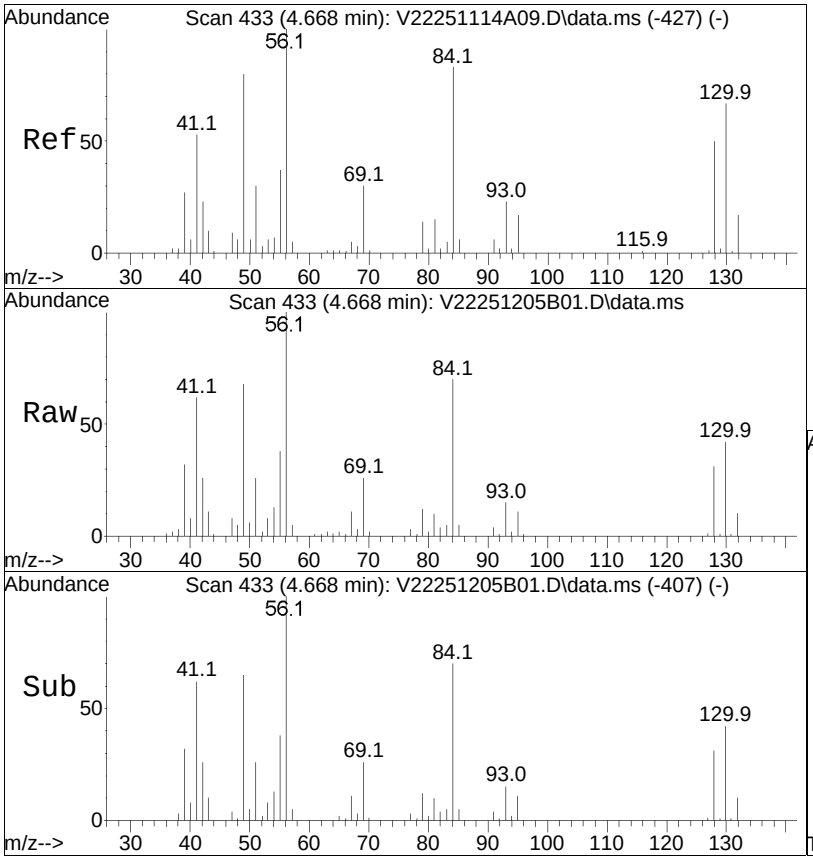


#31
2,2-Dichloropropane
Concen: 12.09 ug/L
RT: 4.582 min Scan# 422
Delta R.T. -0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 77 Resp: 69198

Ion	Ratio	Lower	Upper
77	100		
41	71.6	37.6	78.2
79	32.8	21.1	43.9

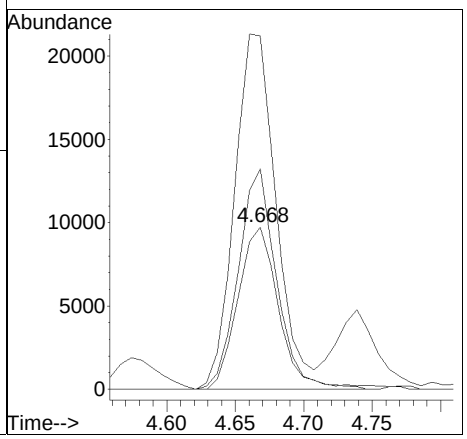


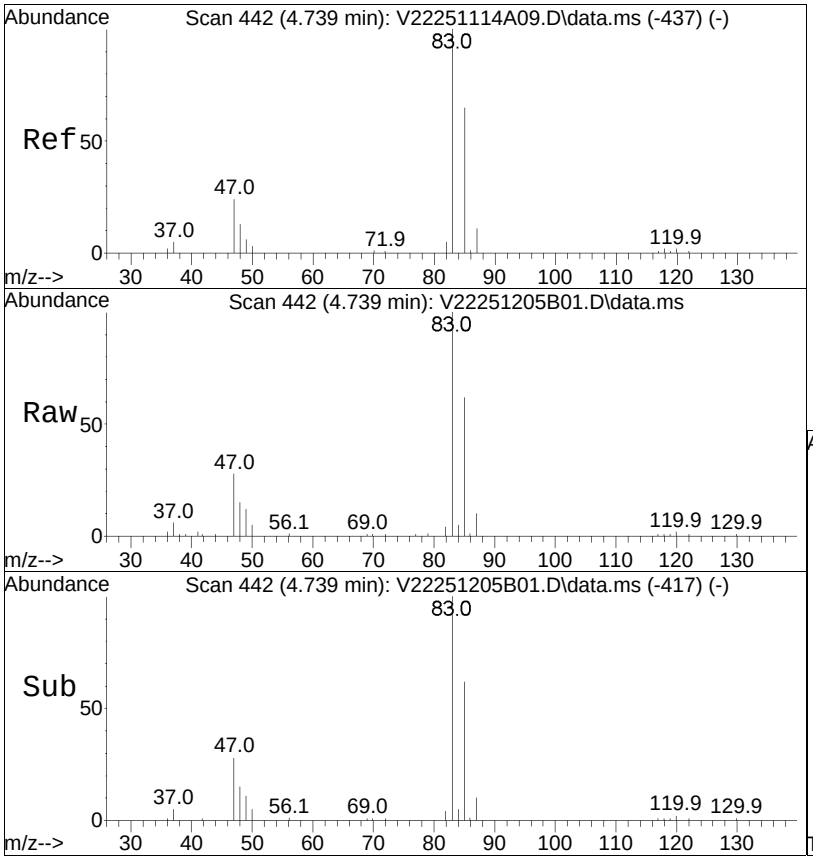


#32
Bromochloromethane
Concen: 10.01 ug/L
RT: 4.668 min Scan# 433
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:128 Resp: 20098

Ion	Ratio	Lower	Upper
128	100		
49	223.0	121.8	182.6#
130	130.7	101.9	152.9

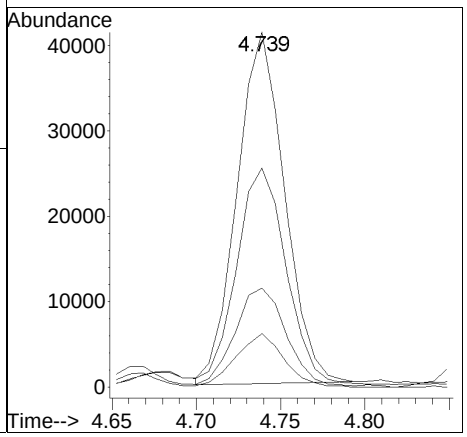


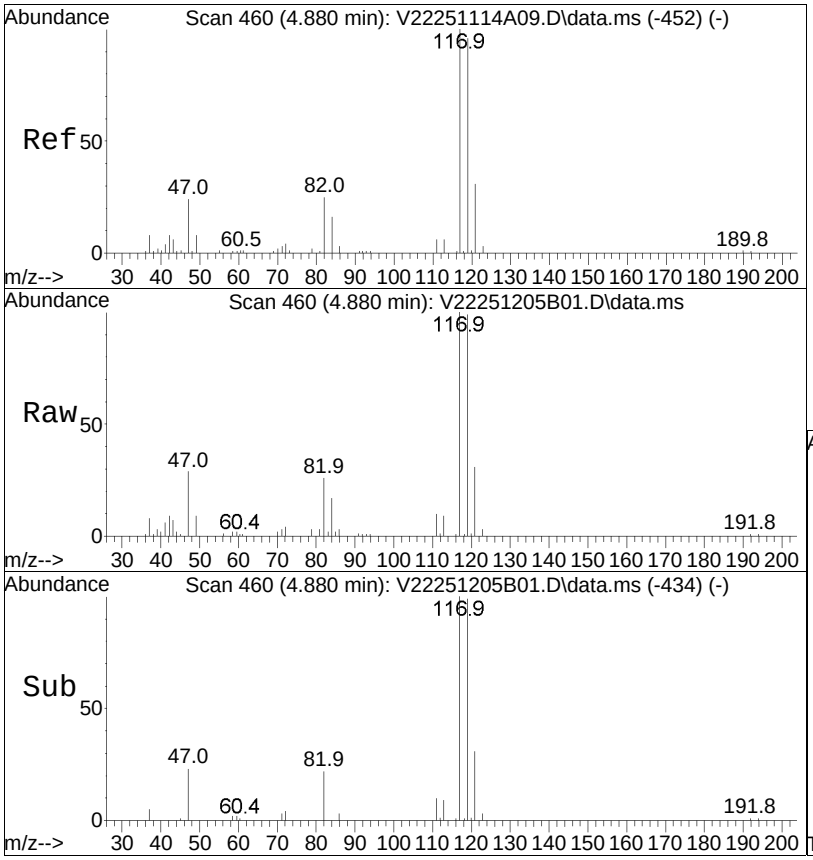


#34
Chloroform
Concen: 10.87 ug/L
RT: 4.739 min Scan# 442
Delta R.T. -0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 83 Resp: 80654

Ion	Ratio	Lower	Upper
83	100		
85	66.3	42.2	87.6
47	31.3	16.1	33.5
48	15.6	9.0	18.6

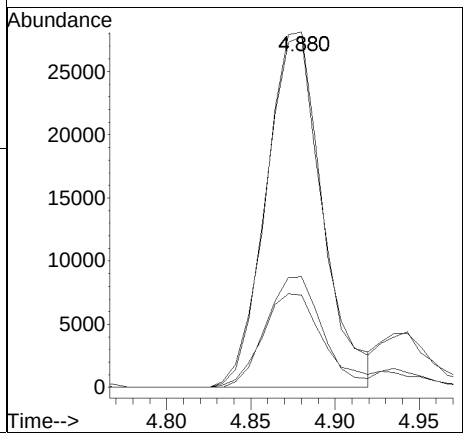


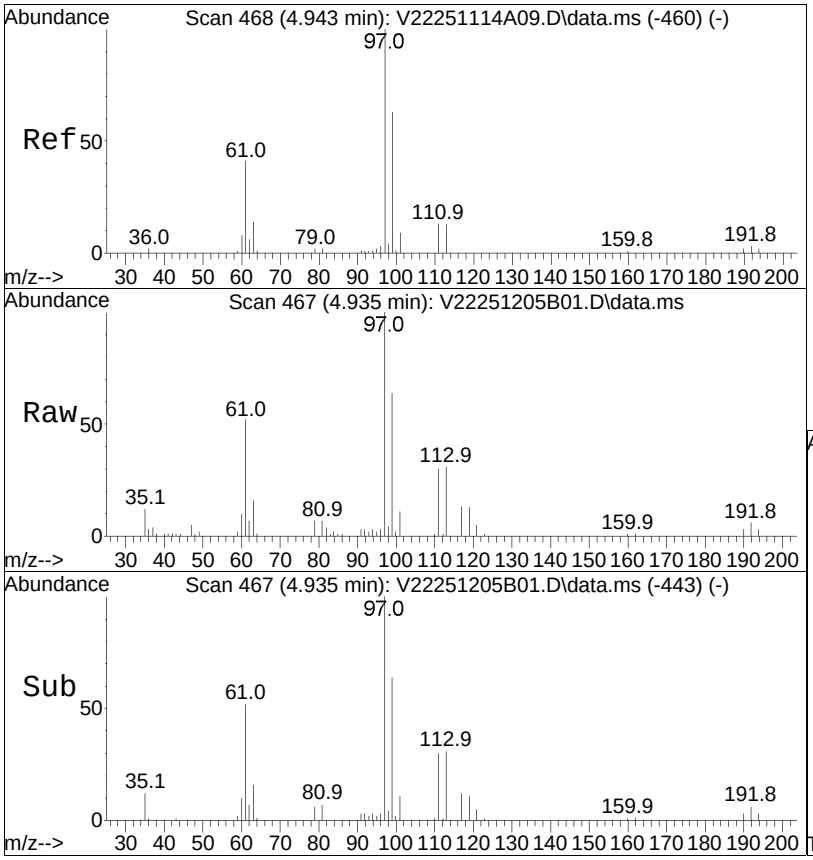


#36
Carbon tetrachloride
Concen: 11.49 ug/L
RT: 4.880 min Scan# 460
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:117 Resp: 65692

Ion	Ratio	Lower	Upper
117	100		
119	97.7	63.1	131.1
121	31.0	20.4	42.4
82	32.4	19.7	40.9

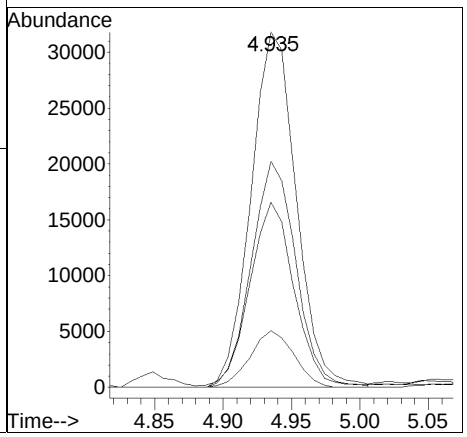


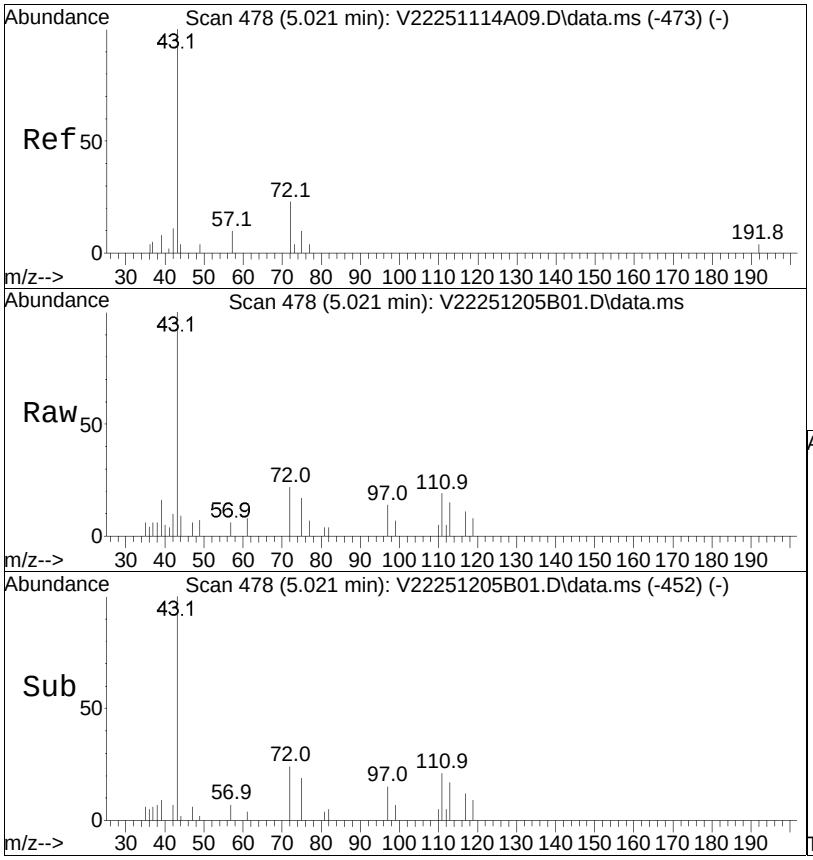


#39
1,1,1-Trichloroethane
Concen: 11.42 ug/L
RT: 4.935 min Scan# 467
Delta R.T. -0.008 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 97 Resp: 73448

Ion	Ratio	Lower	Upper
97	100		
99	62.6	41.7	86.5
61	51.5	28.7	59.5
63	15.5	9.2	19.2

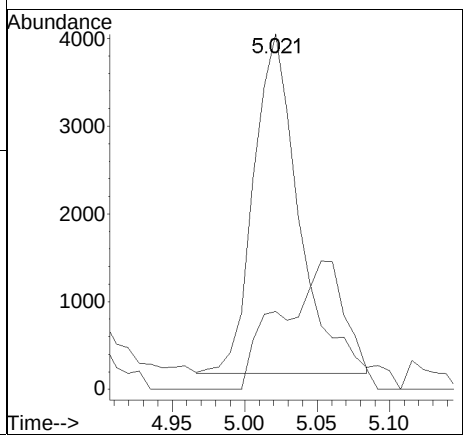


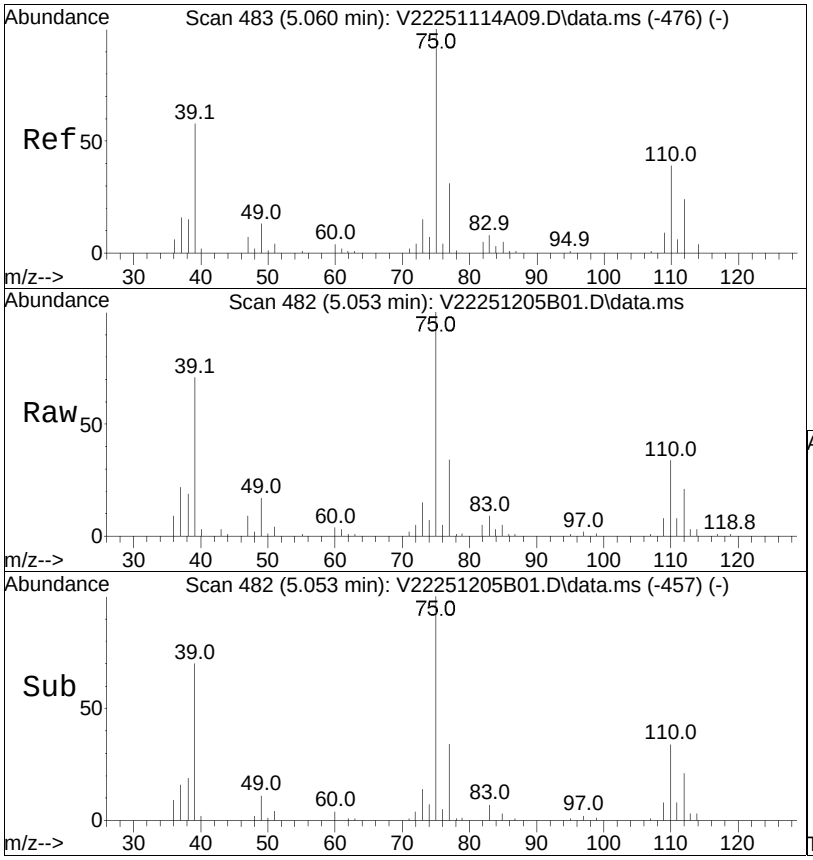


#41
2-Butanone
Concen: 11.12 ug/L M6
RT: 5.021 min Scan# 478
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 43 Resp: 8395

Ion	Ratio	Lower	Upper
43	100		
72	54.2	46.6	69.8

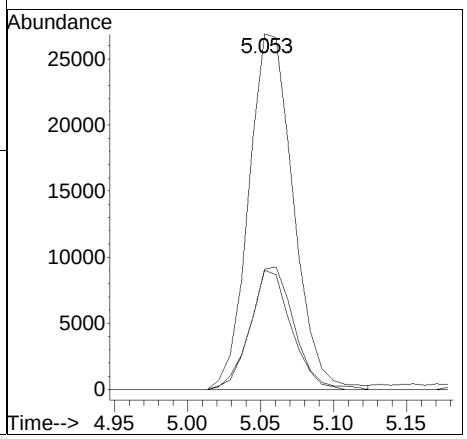


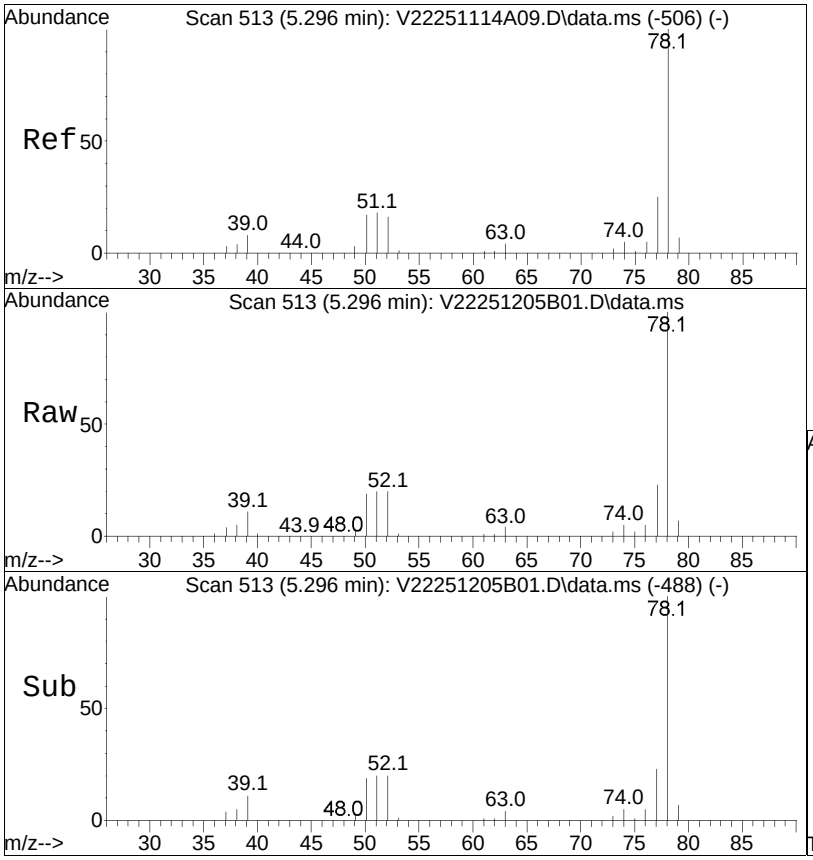


#42
1,1-Dichloropropene
Concen: 10.66 ug/L
RT: 5.053 min Scan# 482
Delta R.T. -0.007 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 75 Resp: 56946

Ion	Ratio	Lower	Upper
75	100		
110	33.7	24.1	50.1
77	30.8	20.3	42.3

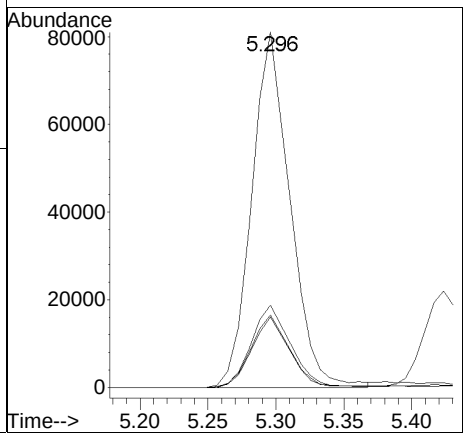


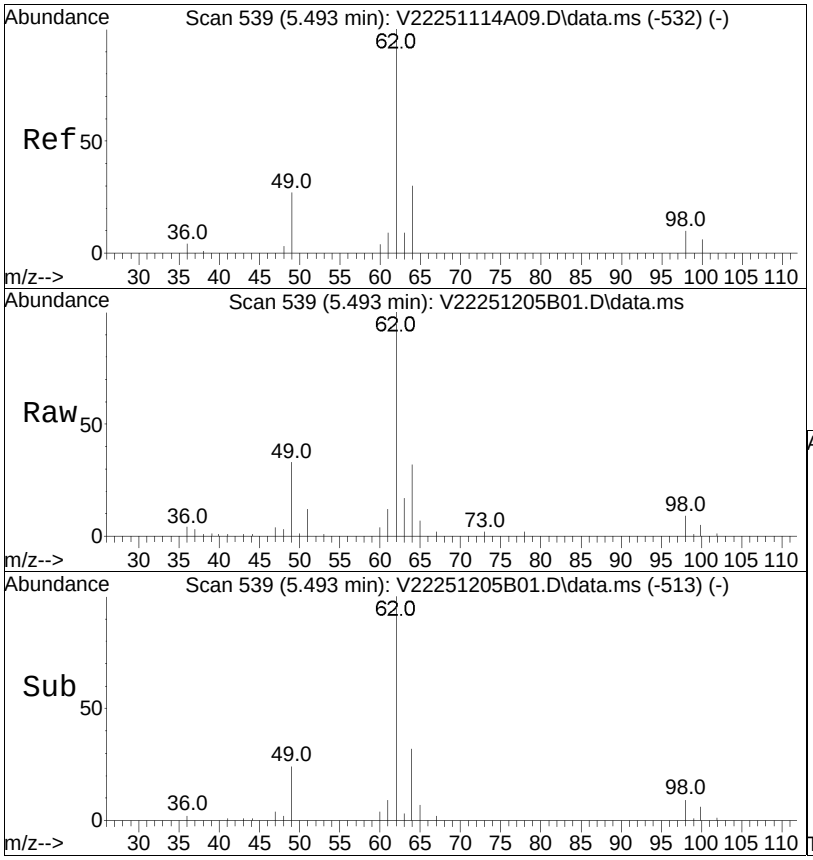


#44
Benzene
Concen: 12.02 ug/L
RT: 5.296 min Scan# 513
Delta R.T. -0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 78 Resp: 123237

Ion	Ratio	Lower	Upper
78	100		
77	23.6	16.4	34.0
51	20.9	11.9	24.7
52	19.7	10.9	22.7

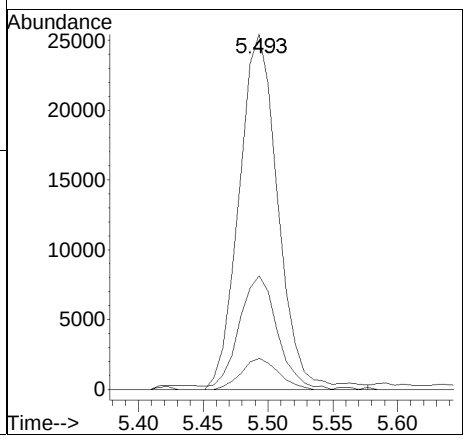


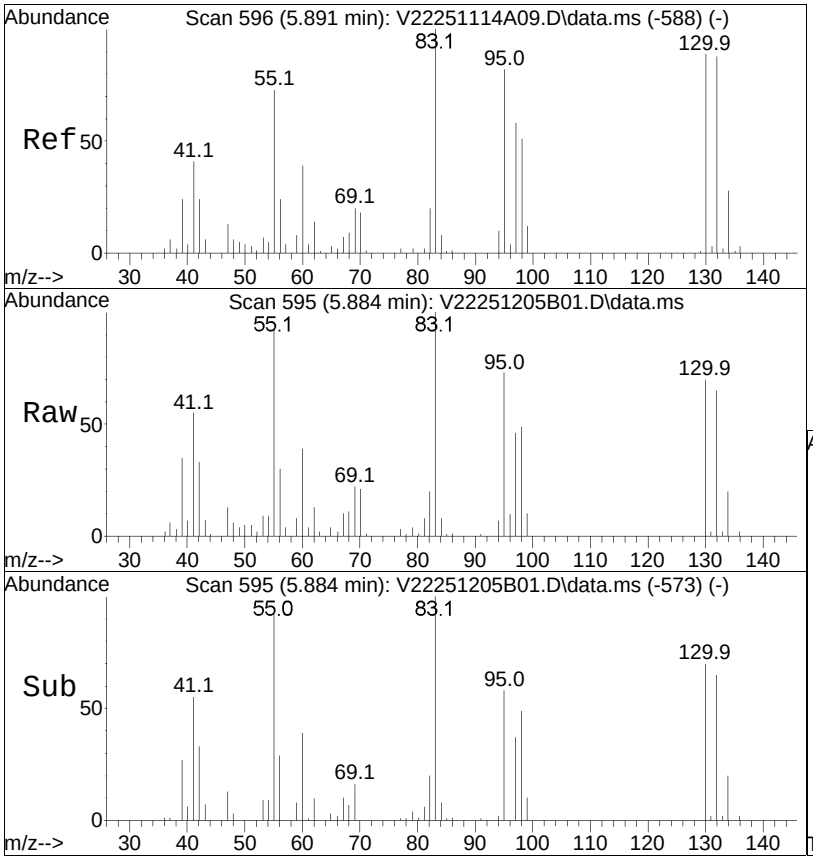


#47
1,2-Dichloroethane
Concen: 11.96 ug/L
RT: 5.493 min Scan# 539
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 62 Resp: 53141

Ion	Ratio	Lower	Upper
62	100		
64	31.3	12.3	52.3
98	8.3	0.0	30.1

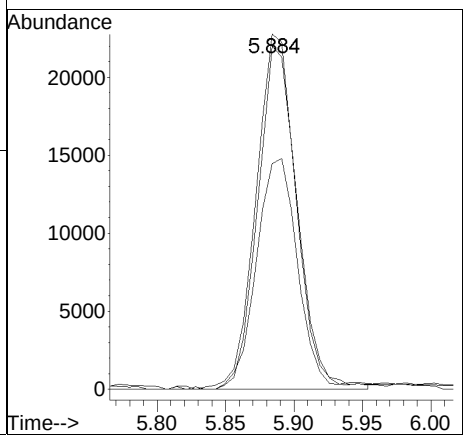


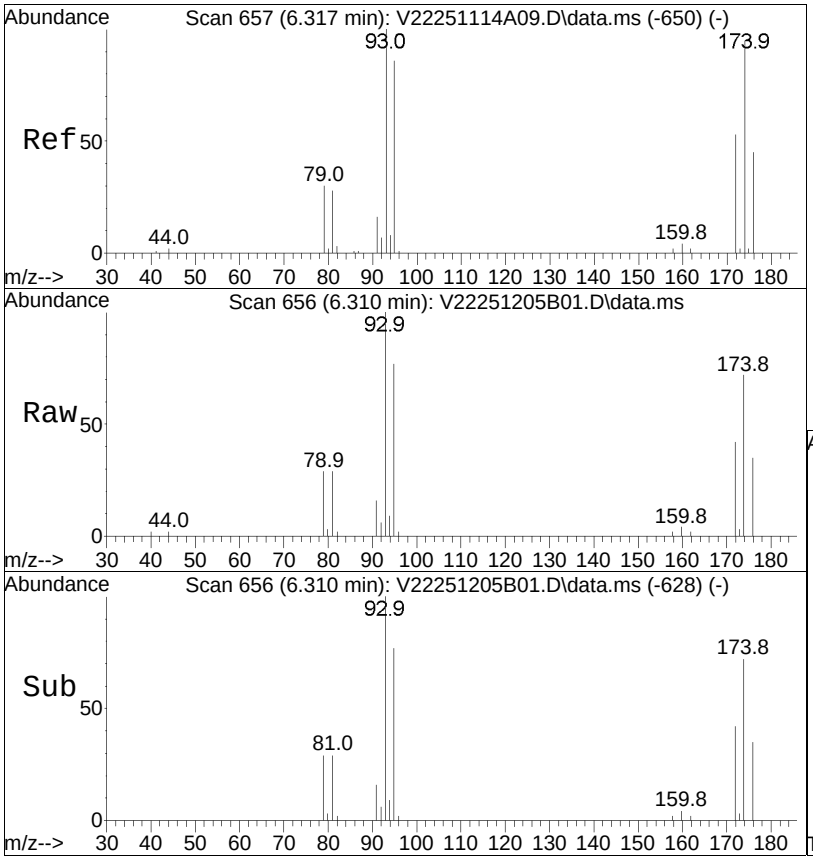


#51
Trichloroethene
Concen: 10.30 ug/L
RT: 5.884 min Scan# 595
Delta R.T. -0.007 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 95 Resp: 46796

Ion	Ratio	Lower	Upper
95	100		
97	66.4	54.7	82.1
130	93.9	85.9	128.9

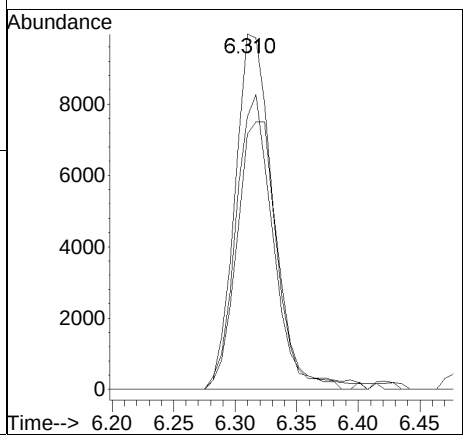


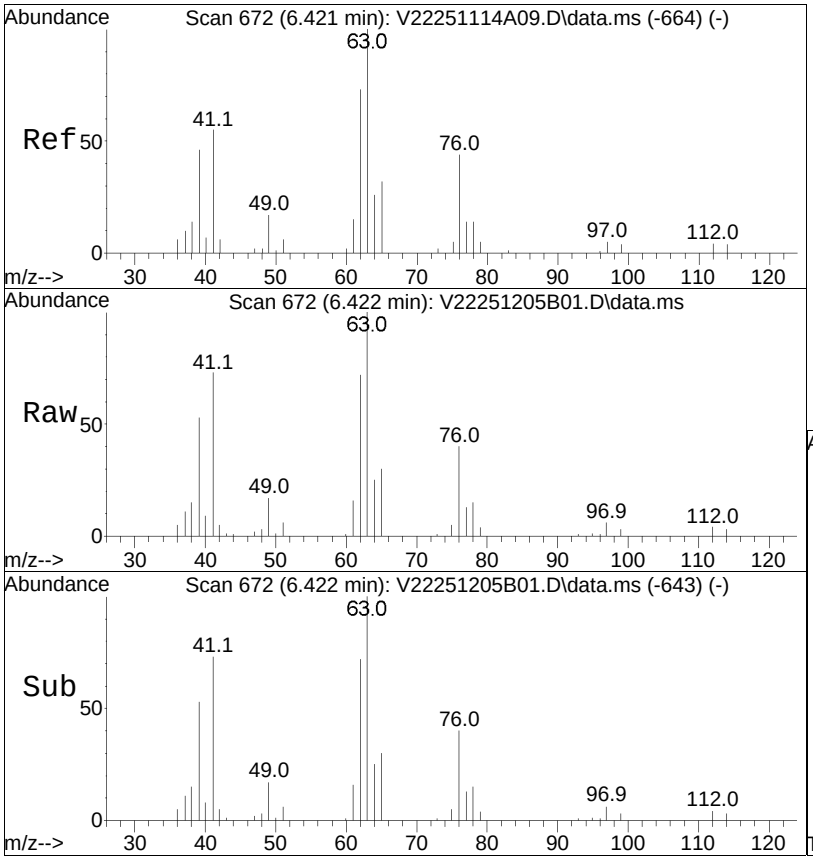


#53
Dibromomethane
Concen: 10.59 ug/L
RT: 6.310 min Scan# 656
Delta R.T. -0.007 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 93 Resp: 21809

Ion	Ratio	Lower	Upper
93	100		
95	80.1	68.3	102.5
174	78.2	80.7	121.1#

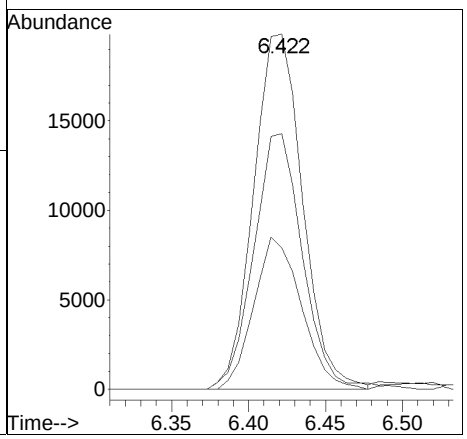


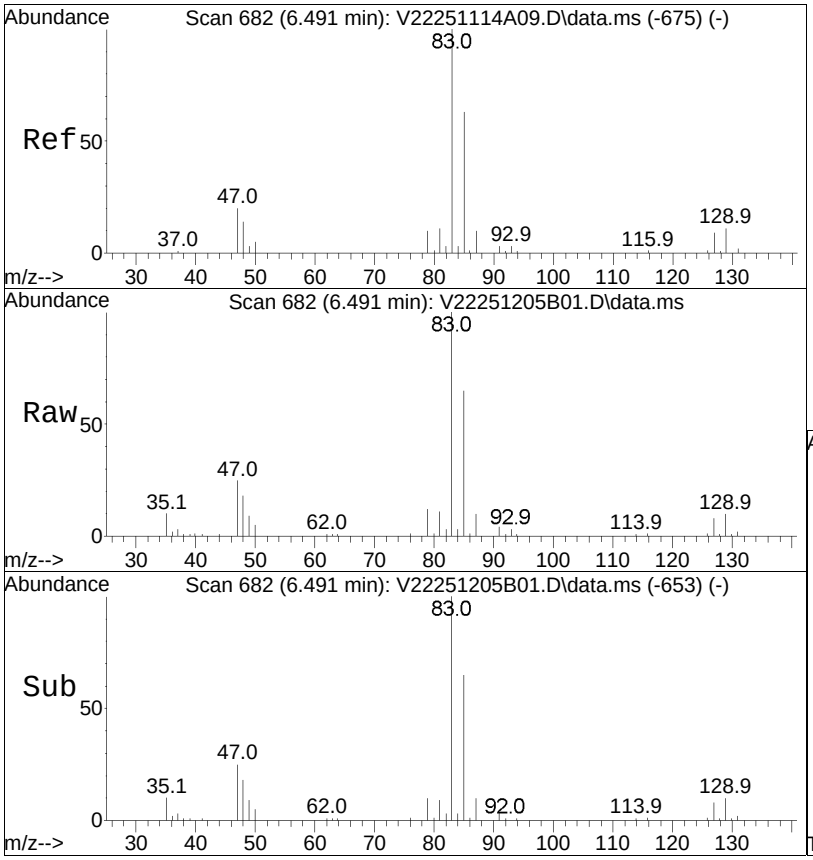


#54
1,2-Dichloropropane
Concen: 10.91 ug/L
RT: 6.422 min Scan# 672
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 63 Resp: 44096

Ion	Ratio	Lower	Upper
63	100		
62	71.5	58.5	87.7
76	41.6	34.2	51.2

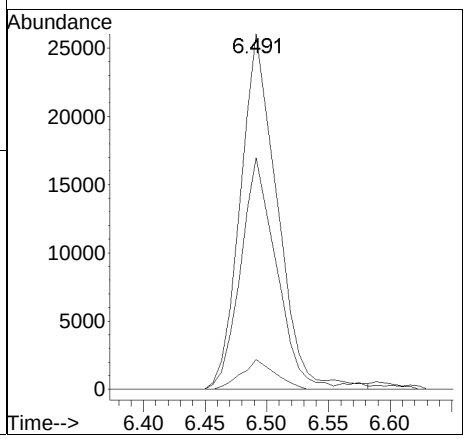


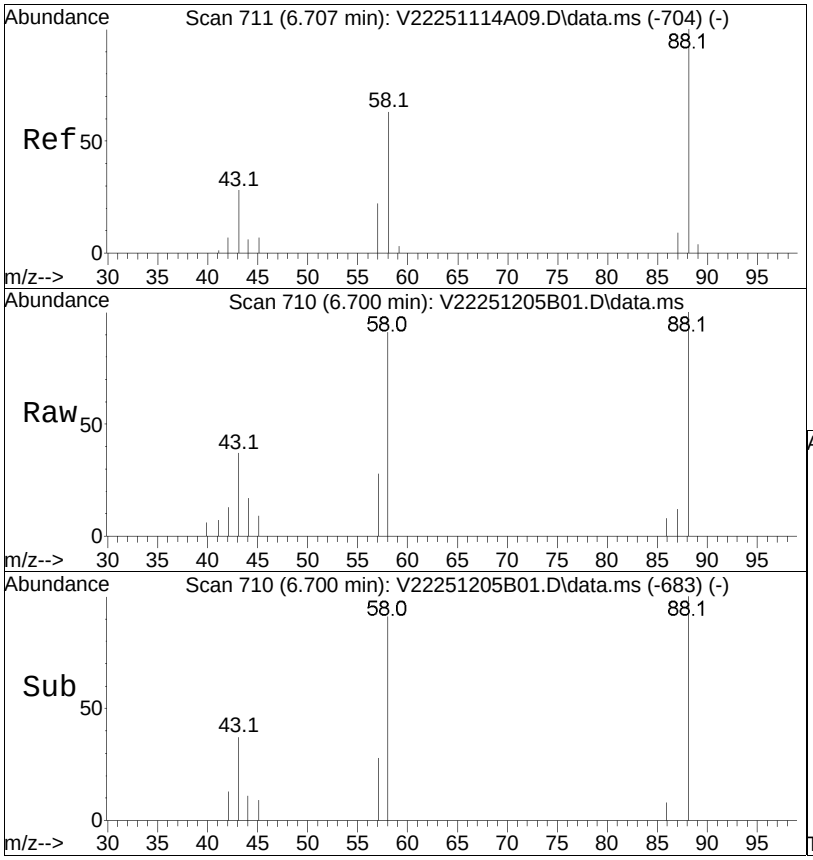


#57
Bromodichloromethane
Concen: 11.35 ug/L
RT: 6.491 min Scan# 682
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 83 Resp: 42857

Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.4	75.6
127	8.1	7.4	11.0

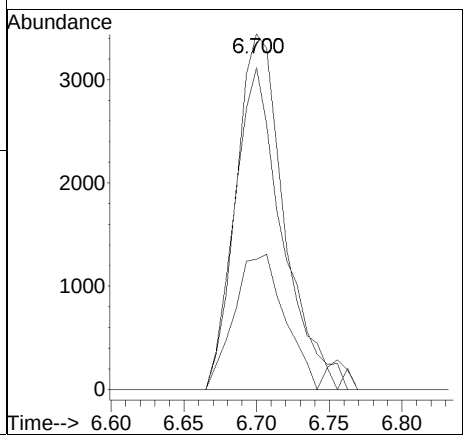


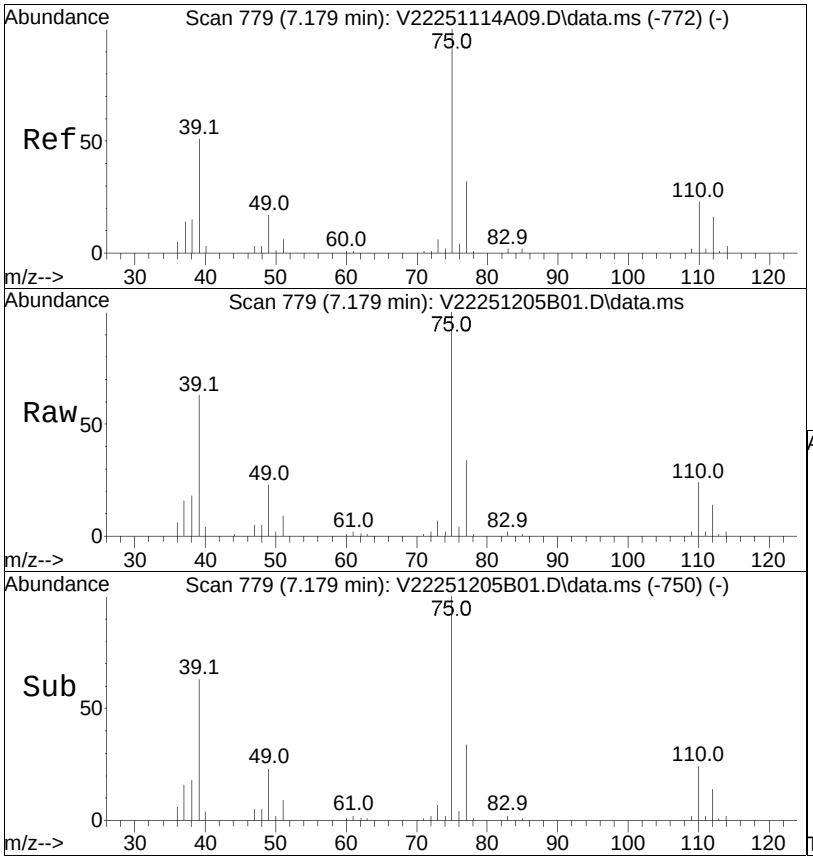


#60
1,4-Dioxane
Concen: 333.15 ug/L
RT: 6.700 min Scan# 710
Delta R.T. -0.007 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 88 Resp: 8072

Ion	Ratio	Lower	Upper
88	100		
58	87.9	54.2	81.4#
43	39.2	25.3	37.9#

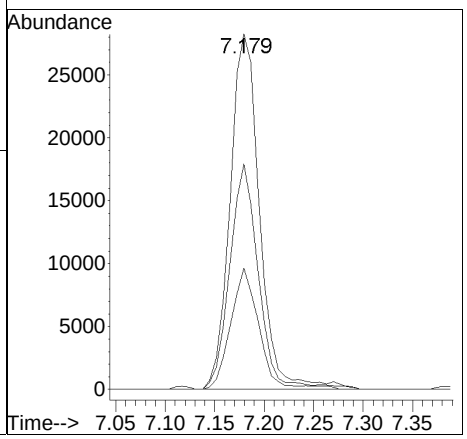


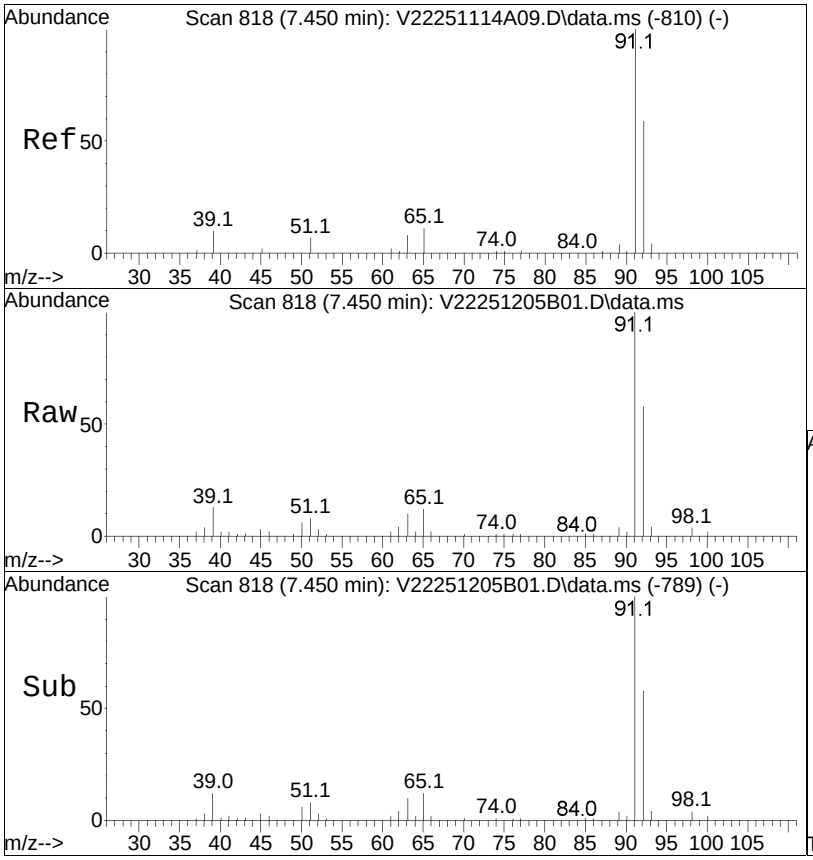


#61
cis-1,3-Dichloropropene
Concen: 10.15 ug/L
RT: 7.179 min Scan# 779
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 75 Resp: 58890

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.8	38.6
39	61.8	39.3	58.9#

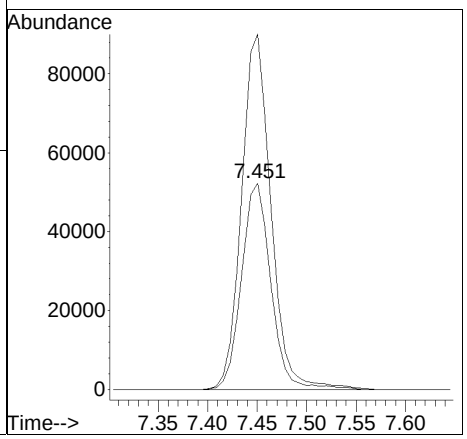


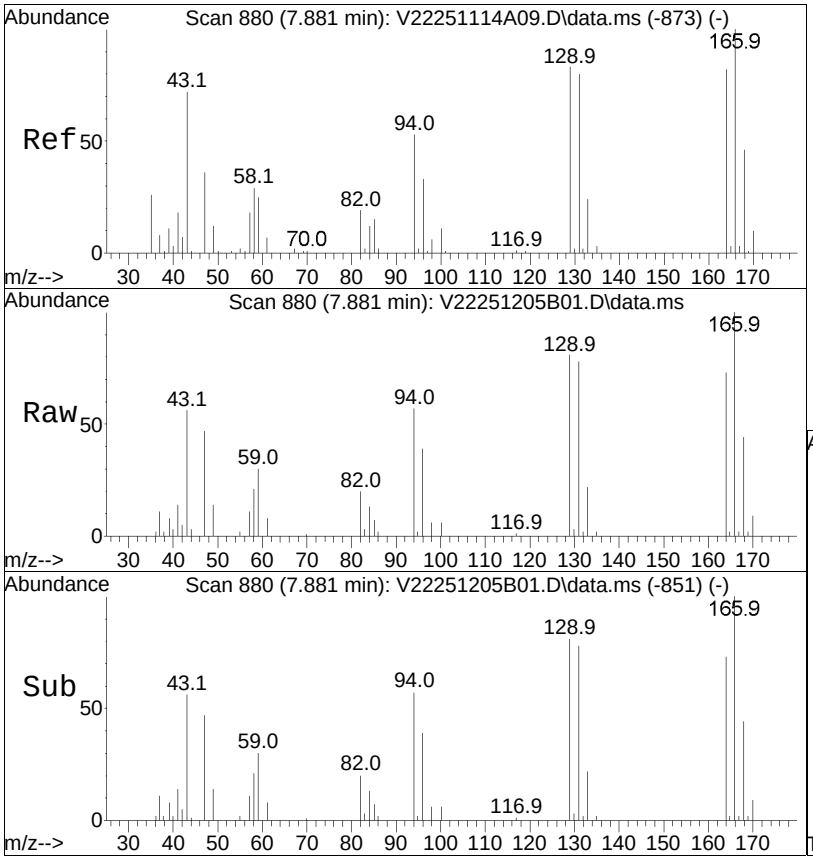


#64
Toluene
Concen: 11.03 ug/L
RT: 7.450 min Scan# 818
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 92 Resp: 107972

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.6	206.4

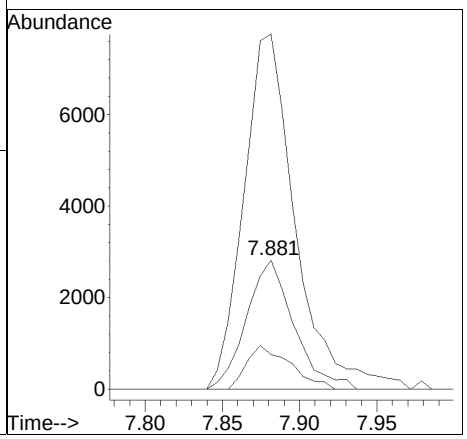


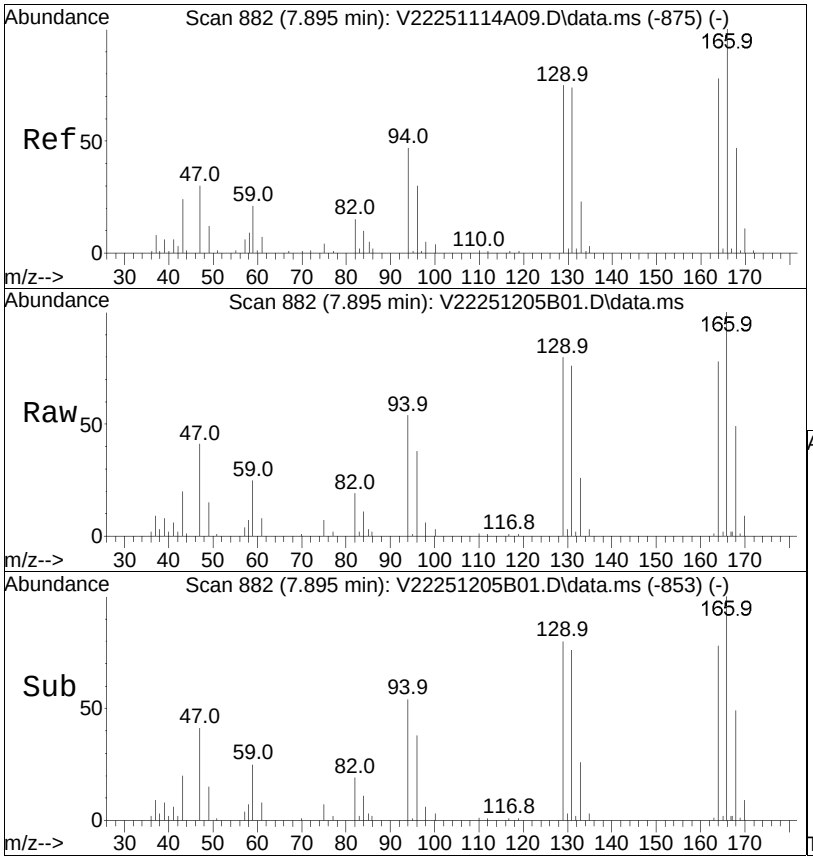


#65
4-Methyl-2-pentanone
Concen: 8.56 ug/L
RT: 7.881 min Scan# 880
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 58 Resp: 6041

Ion	Ratio	Lower	Upper
58	100		
100	31.5	30.0	45.0
43	300.4	205.6	308.4

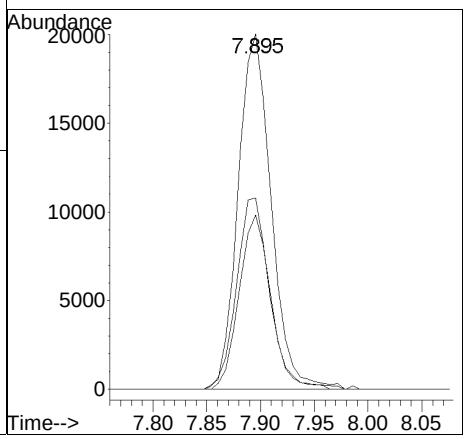


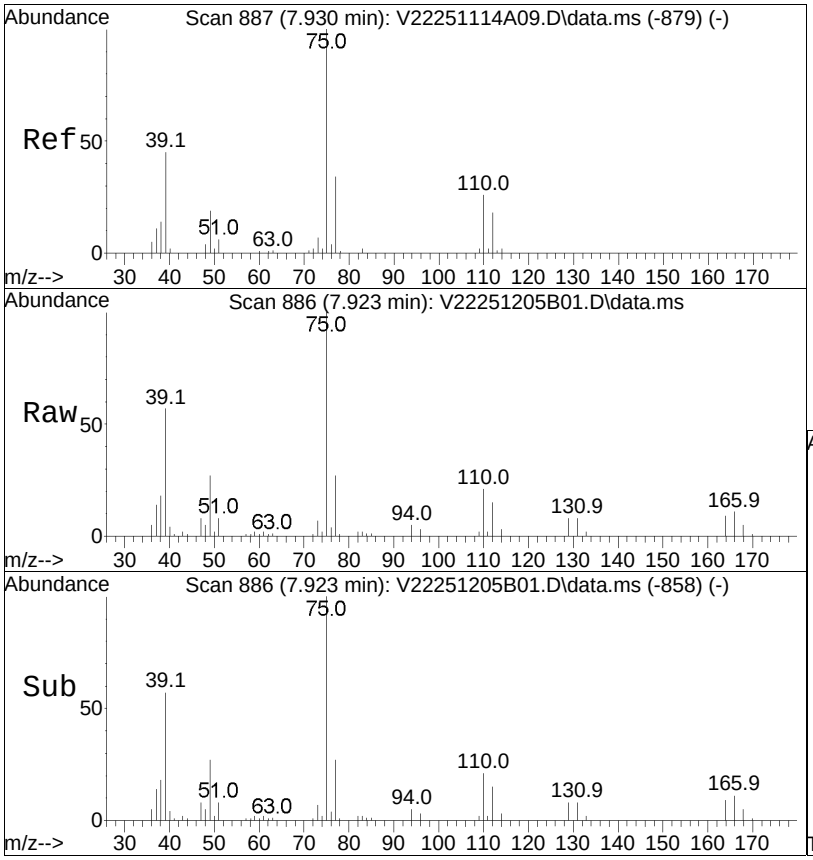


#66
Tetrachloroethene
Concen: 10.35 ug/L
RT: 7.895 min Scan# 882
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:166 Resp: 42957

Ion	Ratio	Lower	Upper
166	100		
168	47.4	27.0	67.0
94	54.0	25.5	65.5

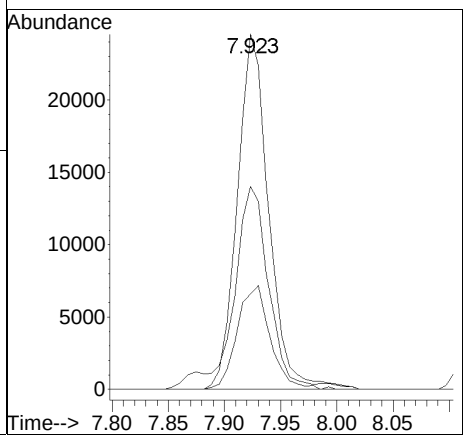


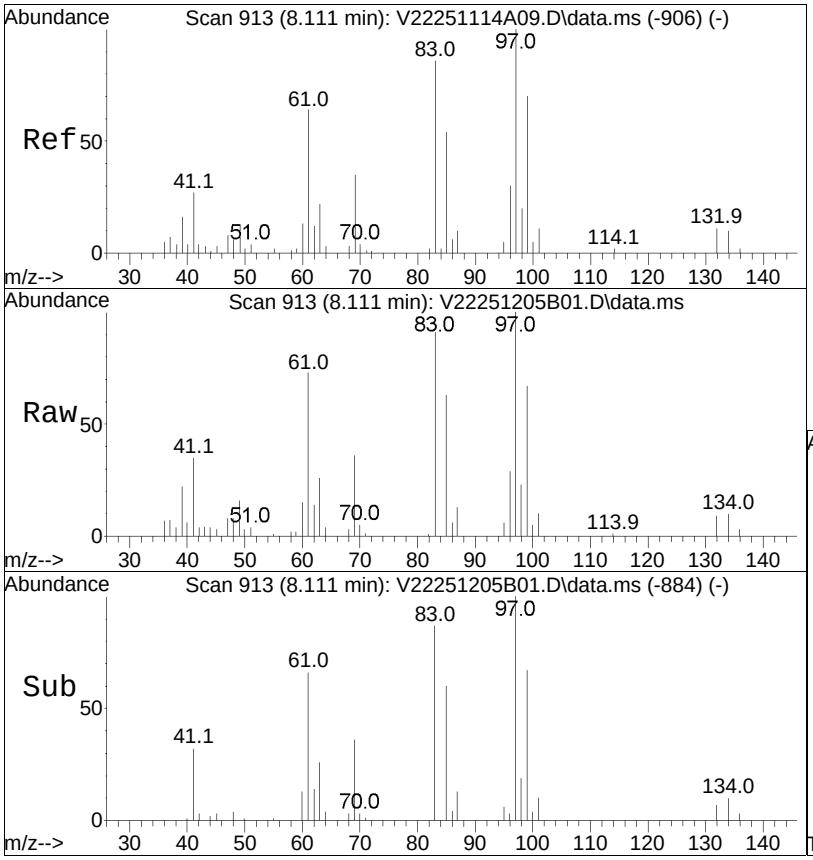


#68
trans-1,3-Dichloropropene
Concen: 10.71 ug/L
RT: 7.923 min Scan# 886
Delta R.T. -0.007 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 75 Resp: 47890

Ion	Ratio	Lower	Upper
75	100		
77	30.7	12.2	52.2
39	65.0	36.6	76.6

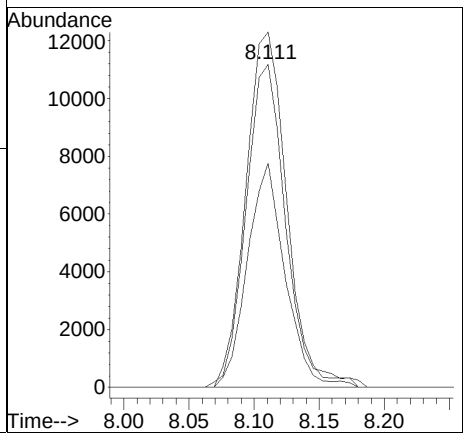


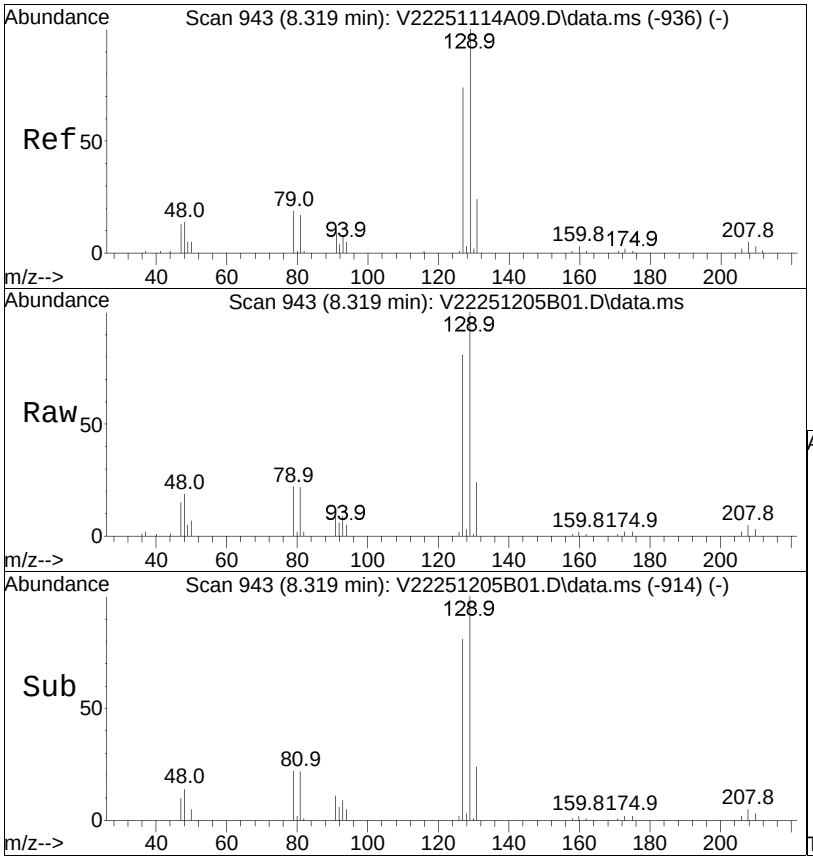


#71
1,1,2-Trichloroethane
Concen: 10.64 ug/L
RT: 8.111 min Scan# 913
Delta R.T. -0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 83 Resp: 23850

Ion	Ratio	Lower	Upper
83	100		
97	113.1	99.0	139.0
85	65.9	46.3	86.3

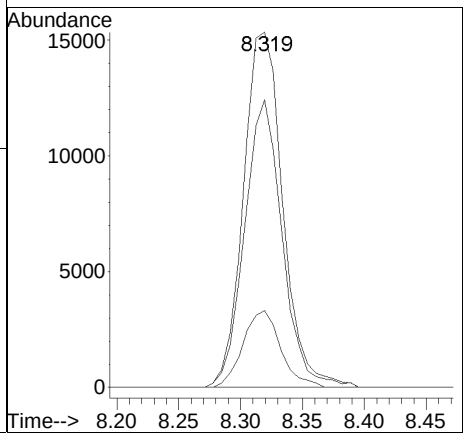


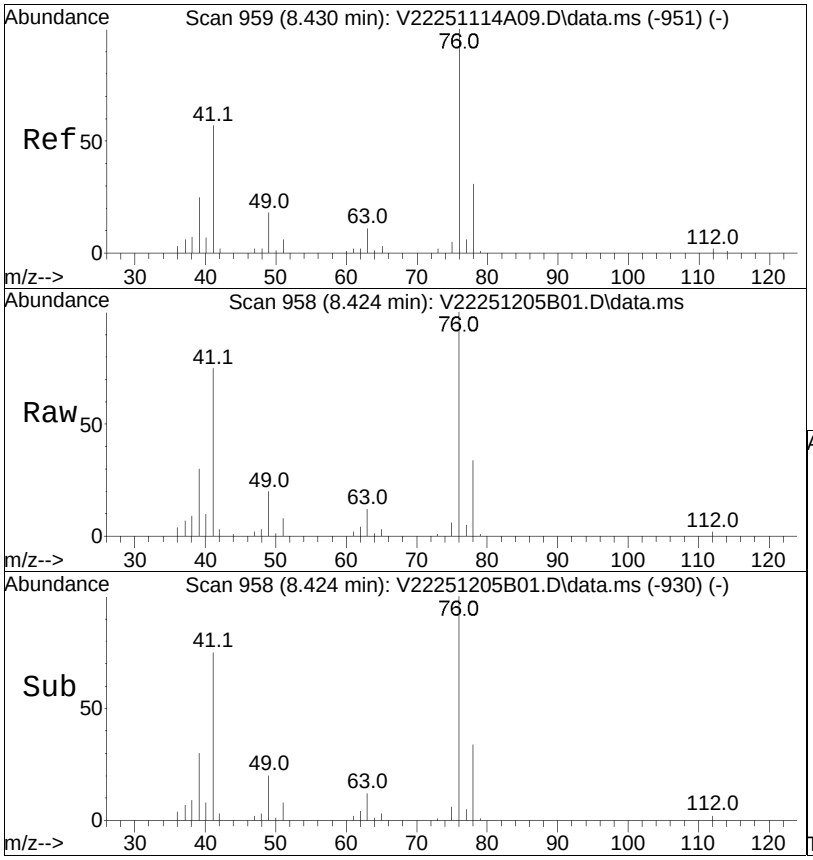


#72
Chlorodibromomethane
Concen: 9.70 ug/L
RT: 8.319 min Scan# 943
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:129 Resp: 34001

Ion	Ratio	Lower	Upper
129	100		
81	20.7	0.0	38.0
127	77.6	56.4	96.4

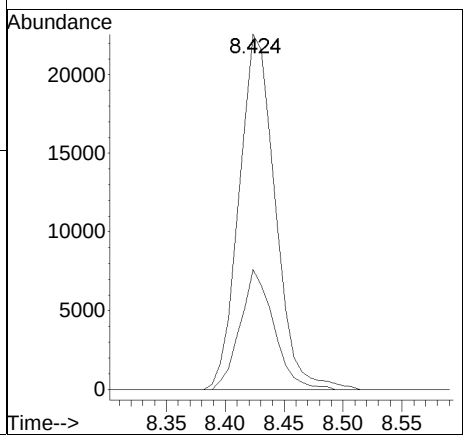


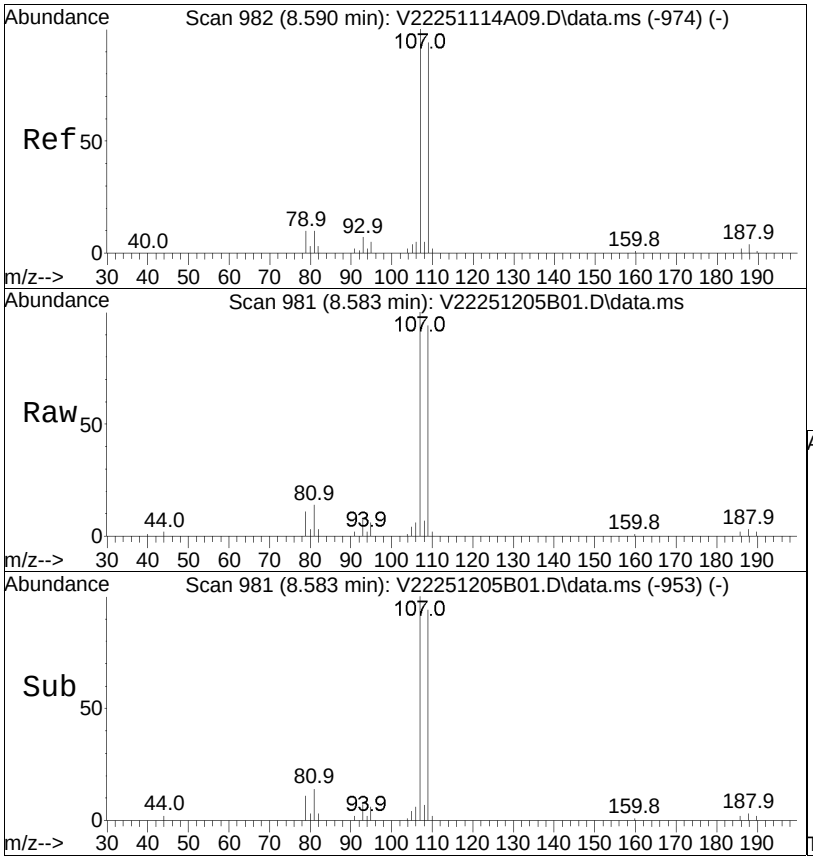


#73
1,3-Dichloropropane
Concen: 10.83 ug/L
RT: 8.424 min Scan# 958
Delta R.T. -0.006 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 76 Resp: 48136

Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.5	38.3

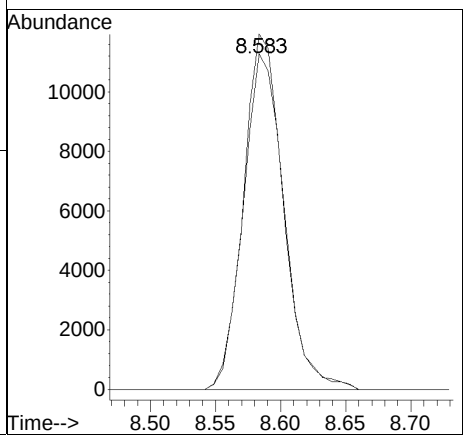


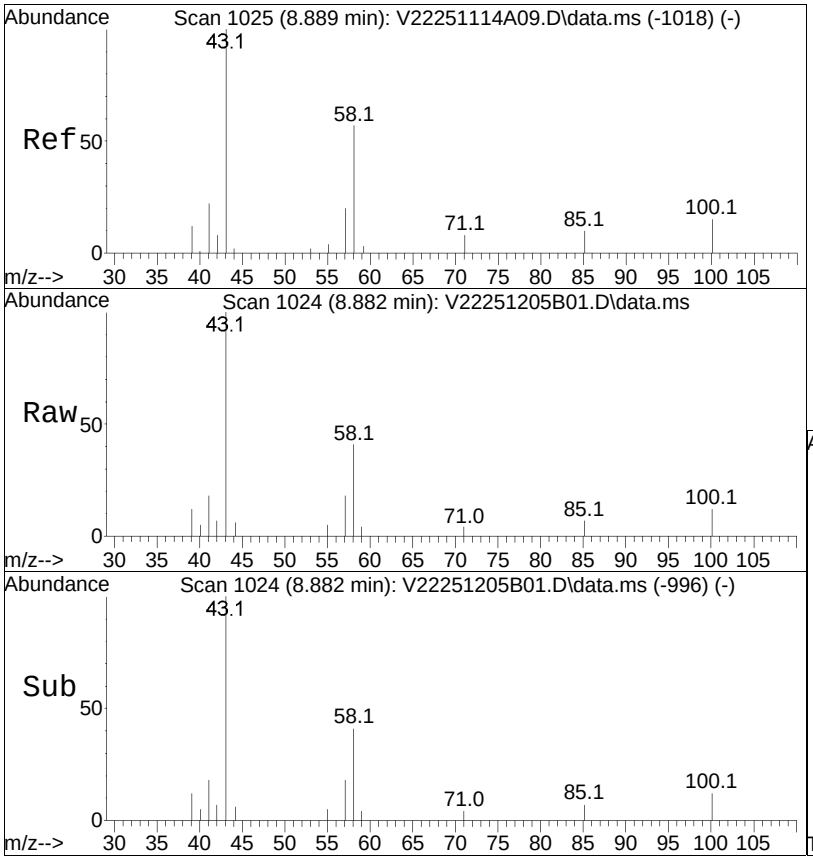


#74
1,2-Dibromoethane
Concen: 9.62 ug/L
RT: 8.583 min Scan# 981
Delta R.T. -0.007 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:107 Resp: 25608

Ion	Ratio	Lower	Upper
107	100		
109	96.0	75.4	113.0

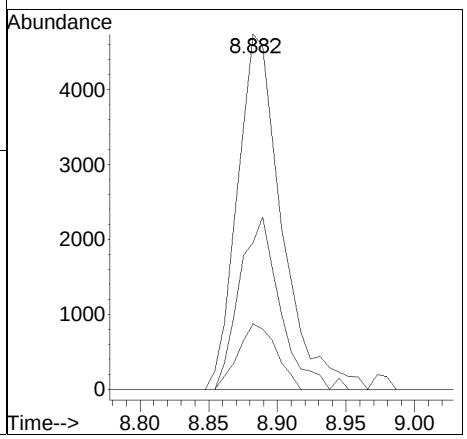


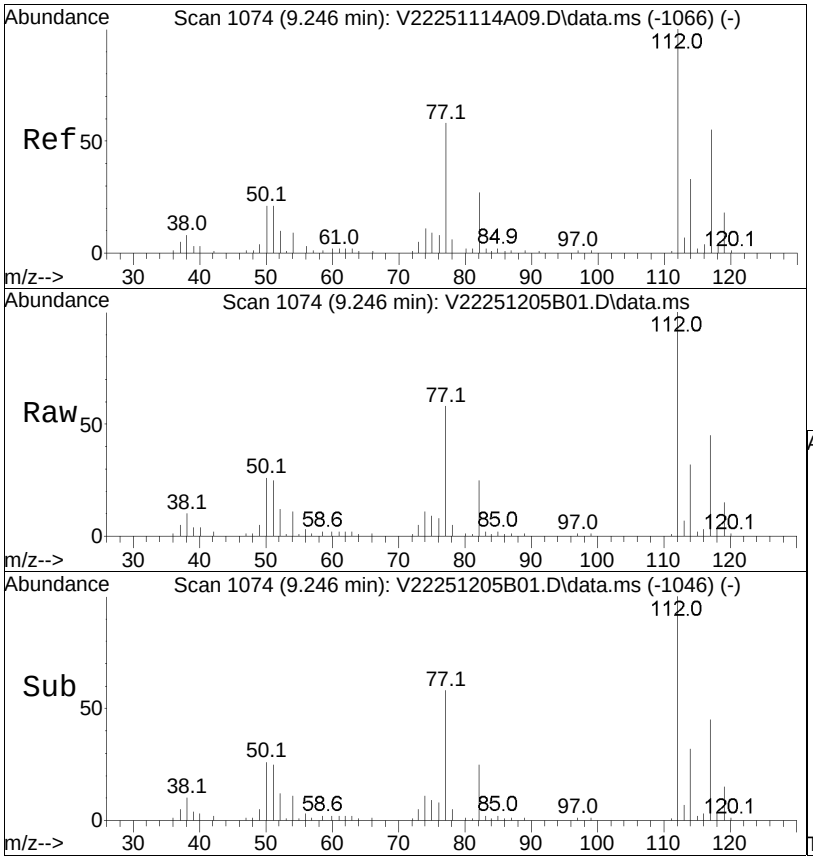


#76
2-Hexanone
Concen: 8.32 ug/L
RT: 8.882 min Scan# 1024
Delta R.T. -0.007 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 43 Resp: 10667

Ion	Ratio	Lower	Upper
43	100		
58	44.4	37.8	56.8
57	15.9	14.2	21.2

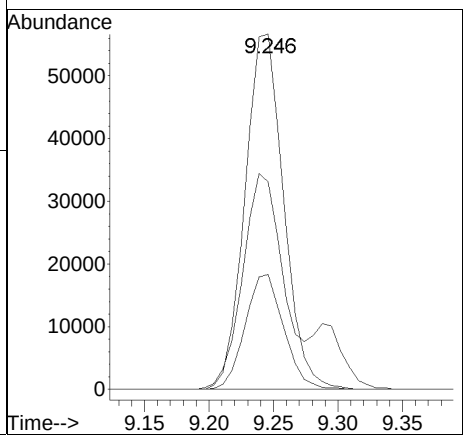


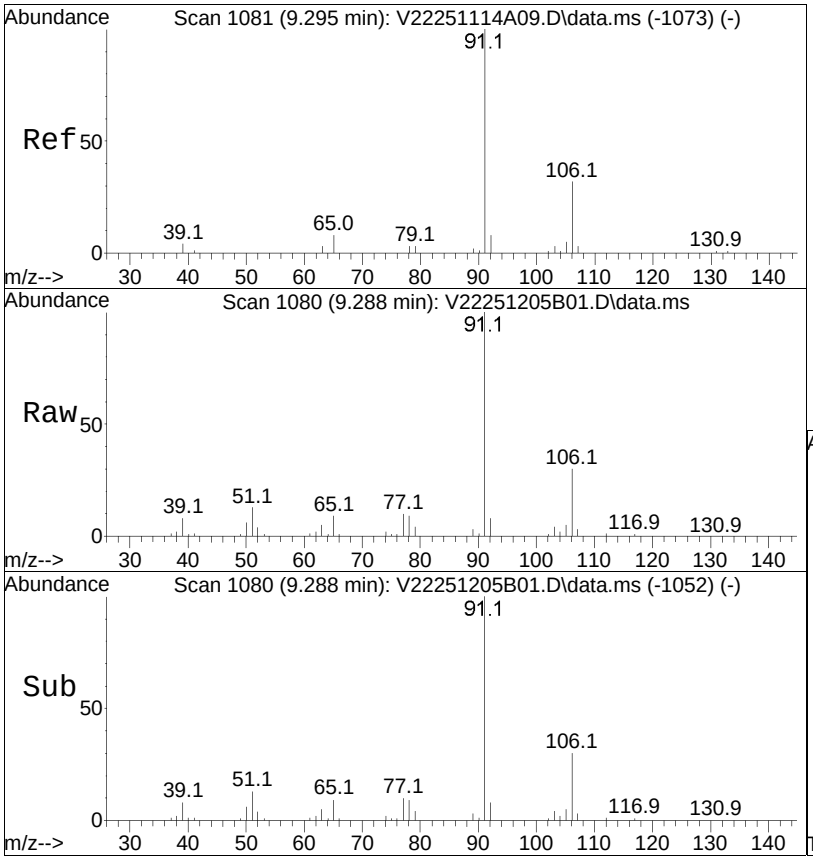


#77
Chlorobenzene
Concen: 10.64 ug/L
RT: 9.246 min Scan# 1074
Delta R.T. -0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:112 Resp: 118299

Ion	Ratio	Lower	Upper
112	100		
77	63.8	47.2	70.8
114	32.2	26.0	39.0

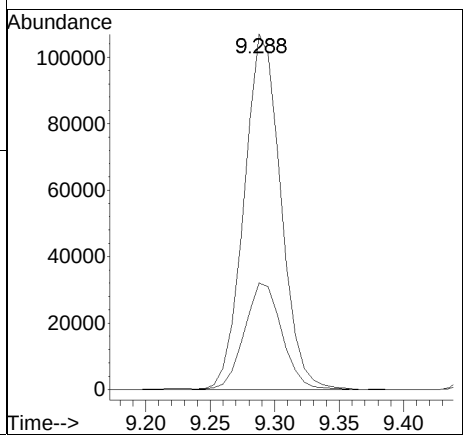


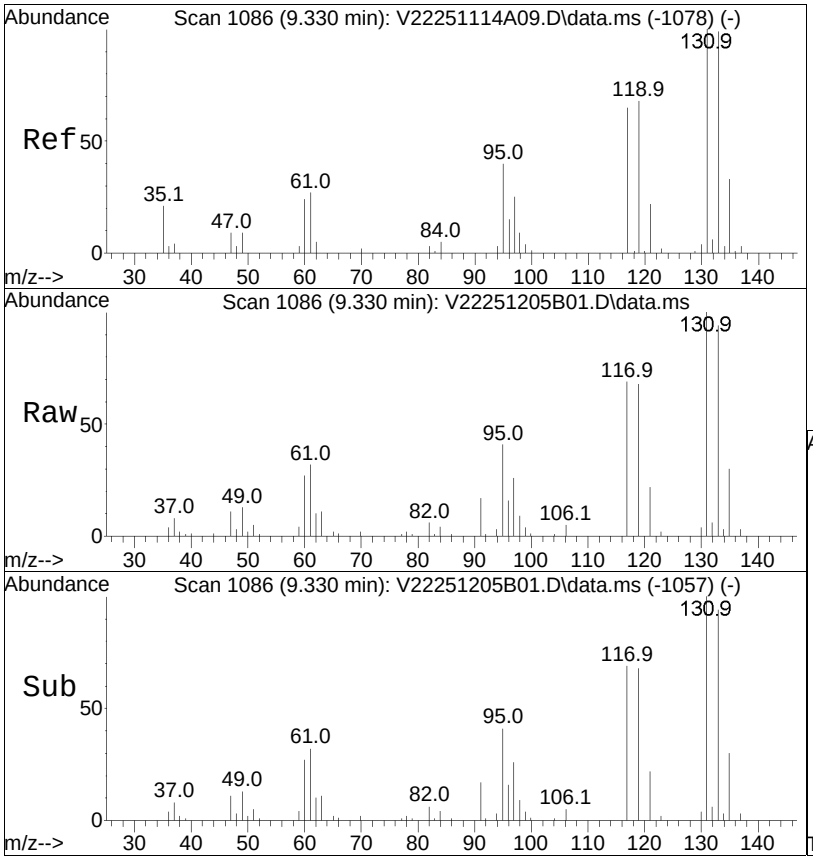


#78
Ethylbenzene
Concen: 10.59 ug/L
RT: 9.288 min Scan# 1080
Delta R.T. -0.007 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 91 Resp: 211248

Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.4	38.2

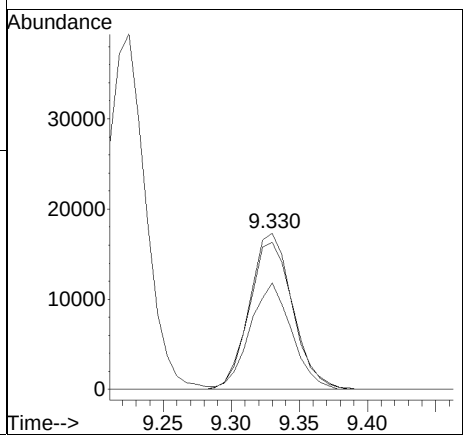


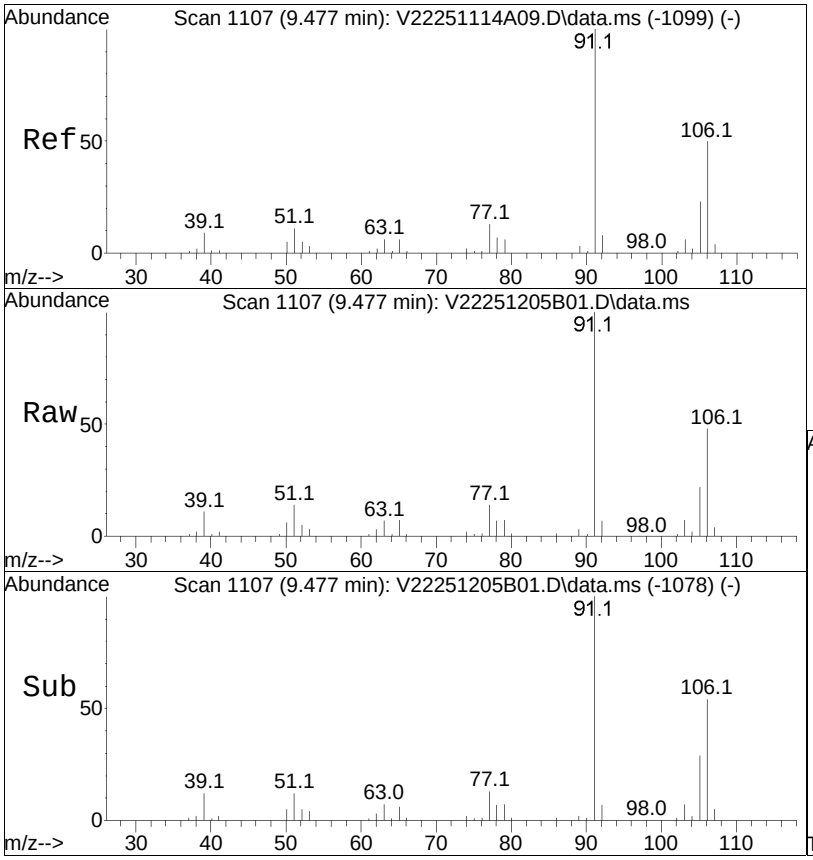


#79
1,1,1,2-Tetrachloroethane
Concen: 10.01 ug/L
RT: 9.330 min Scan# 1086
Delta R.T. -0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:131 Resp: 38012

Ion	Ratio	Lower	Upper
131	100		
133	96.4	75.7	115.7
119	66.2	46.3	86.3

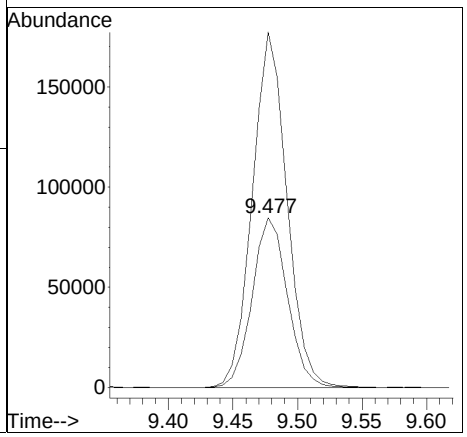


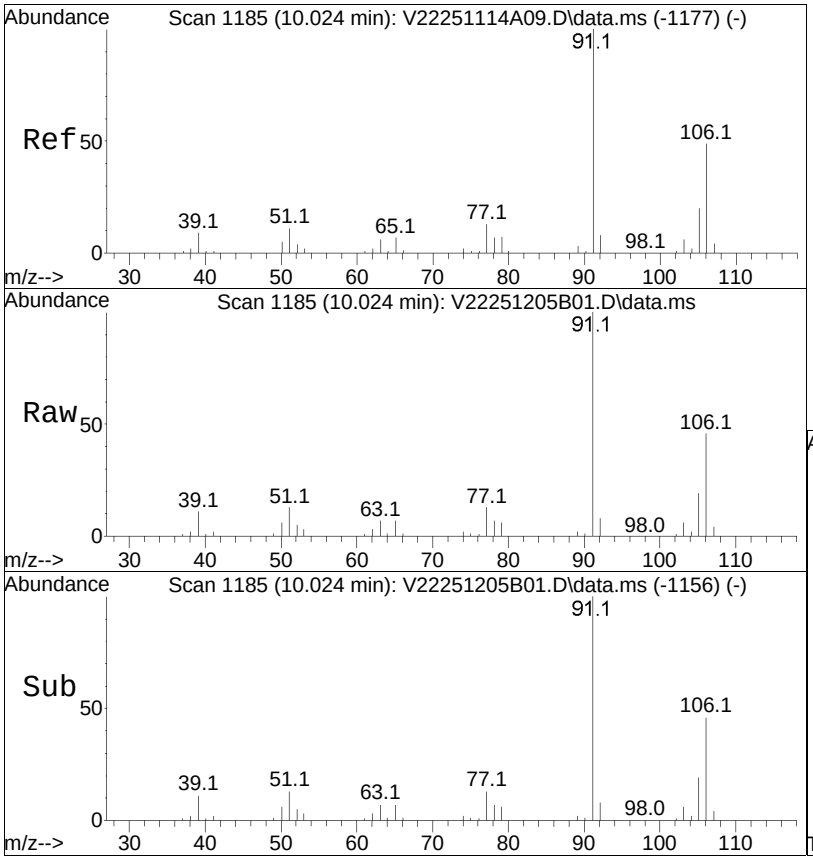


#80
p/m Xylene
Concen: 19.91 ug/L
RT: 9.477 min Scan# 1107
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:106 Resp: 160938

Ion	Ratio	Lower	Upper
106	100		
91	205.2	158.9	238.3

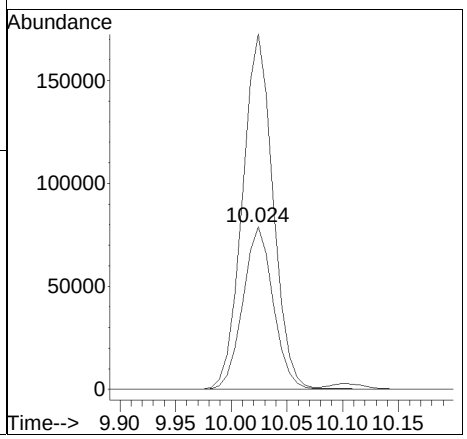


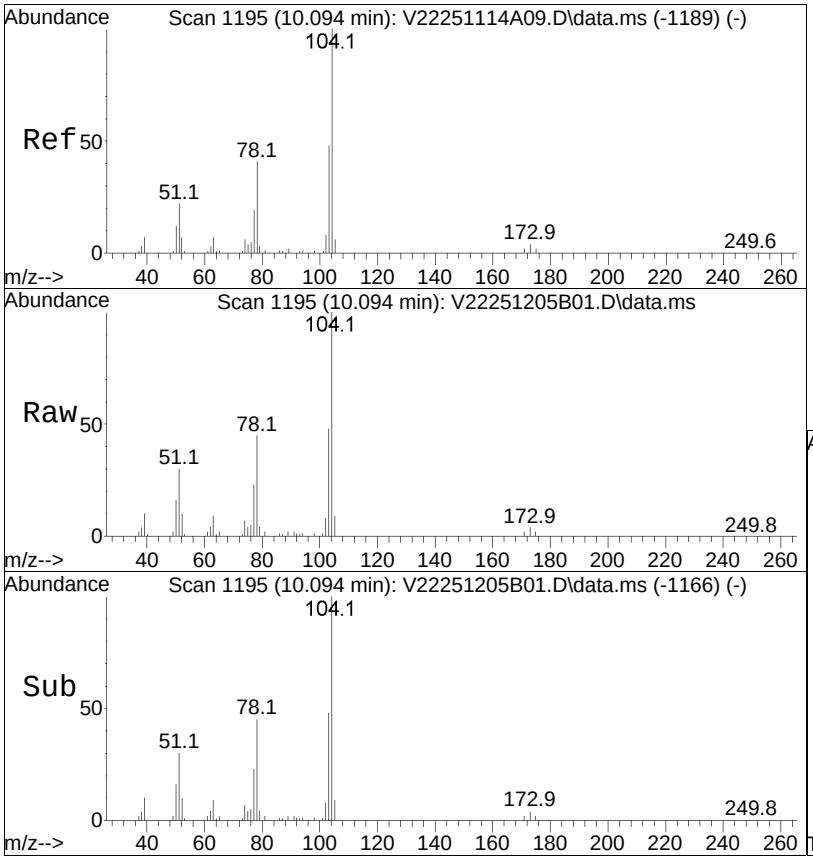


#81
o Xylene
Concen: 19.26 ug/L
RT: 10.024 min Scan# 1185
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:106 Resp: 150322

Ion	Ratio	Lower	Upper
106	100		
91	218.9	168.0	252.0

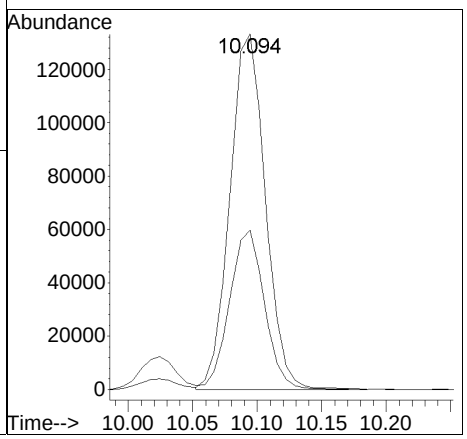


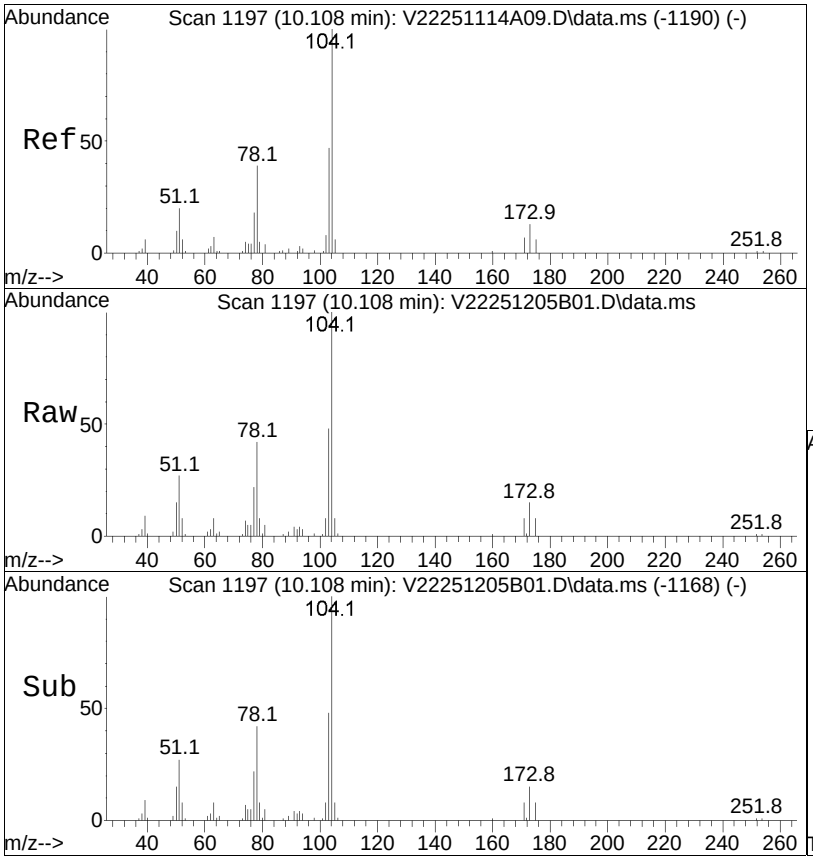


#82
Styrene
Concen: 19.96 ug/L
RT: 10.094 min Scan# 1195
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:104 Resp: 254403

Ion	Ratio	Lower	Upper
104	100		
78	44.1	32.6	49.0

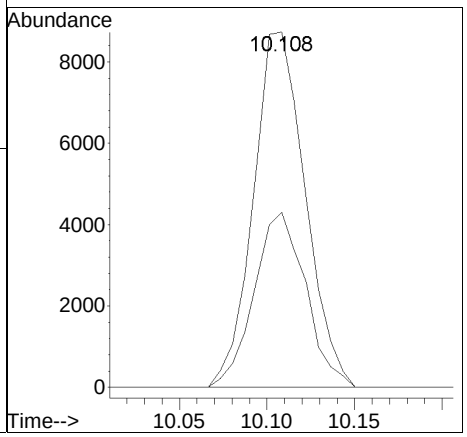


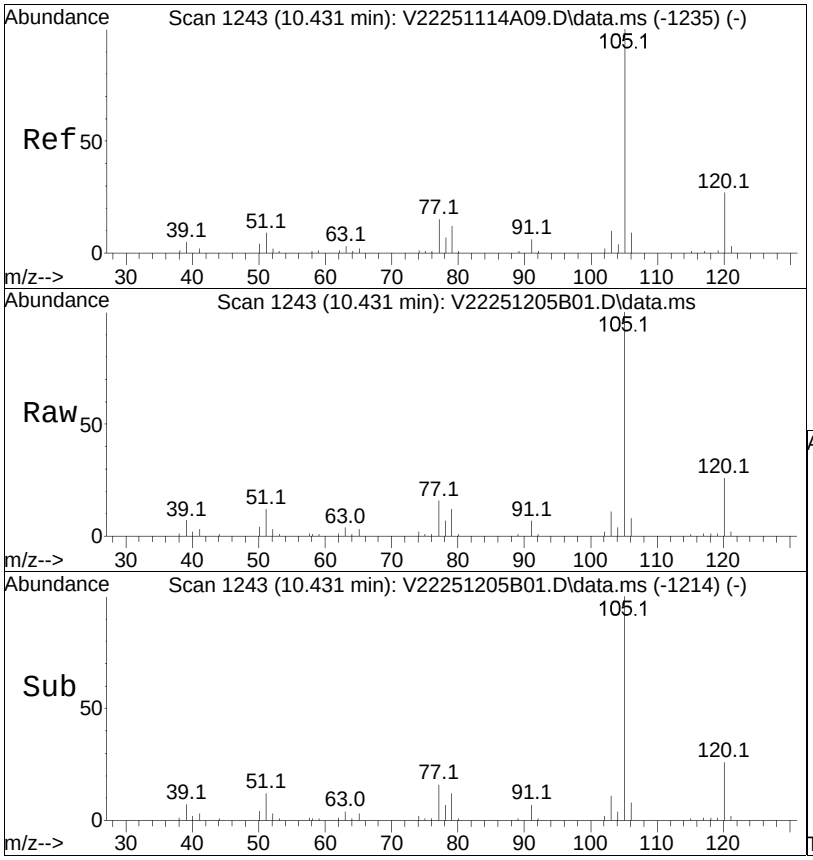


#84
Bromoform
Concen: 8.85 ug/L
RT: 10.108 min Scan# 1197
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:173 Resp: 18012

Ion	Ratio	Lower	Upper
173	100		
175	48.9	28.7	68.7

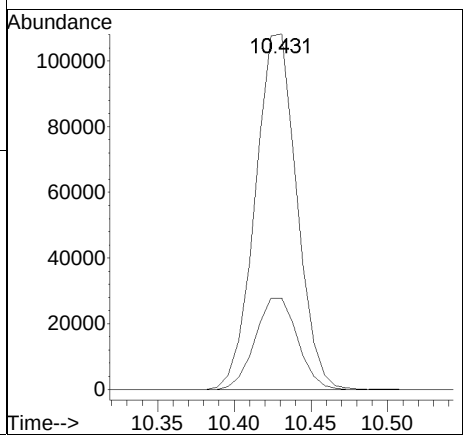


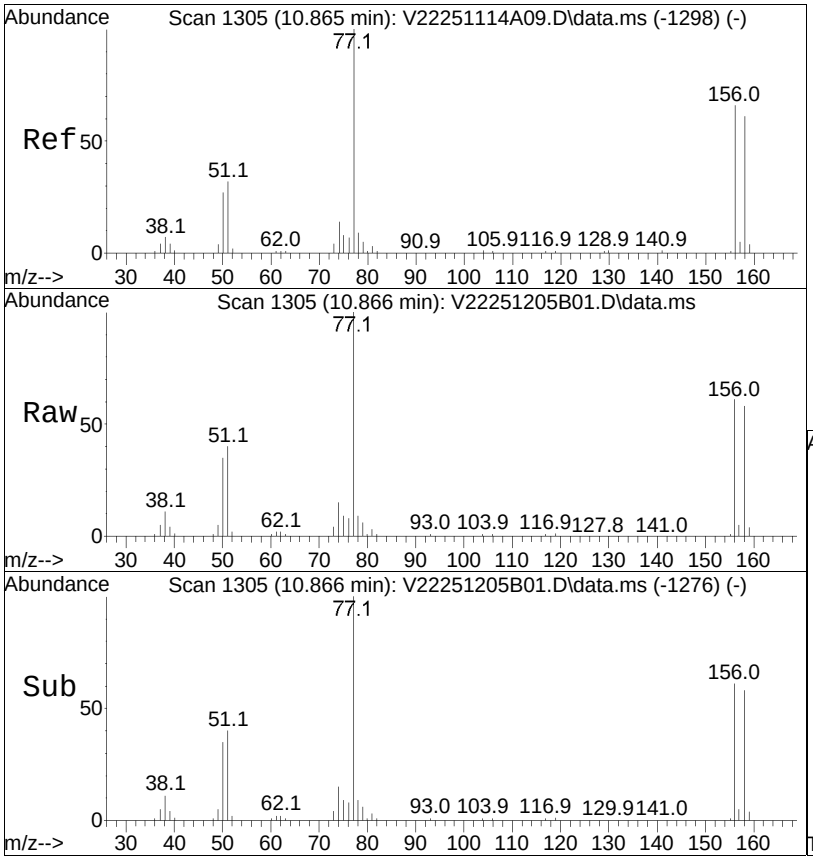


#86
Isopropylbenzene
Concen: 10.02 ug/L
RT: 10.431 min Scan# 1243
Delta R.T. -0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:105 Resp: 203692

Ion	Ratio	Lower	Upper
105	100		
120	26.2	7.2	47.2

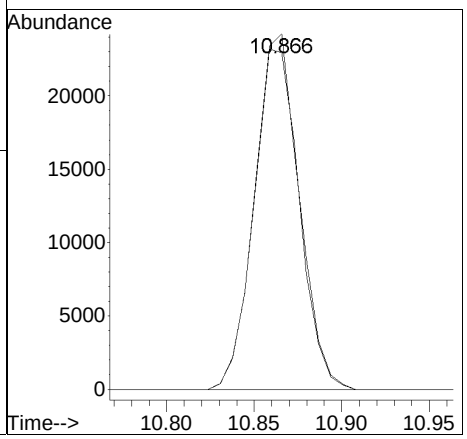


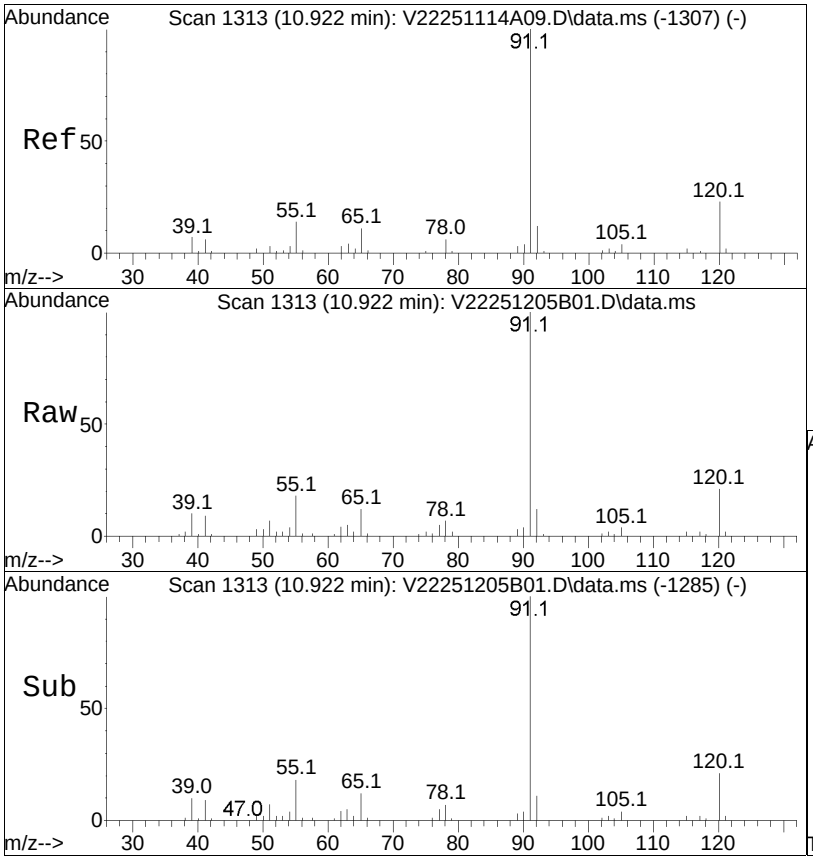


#88
Bromobenzene
Concen: 9.66 ug/L
RT: 10.866 min Scan# 1305
Delta R.T. 0.001 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:156 Resp: 42864

Ion	Ratio	Lower	Upper
156	100		
158	97.5	76.8	115.2

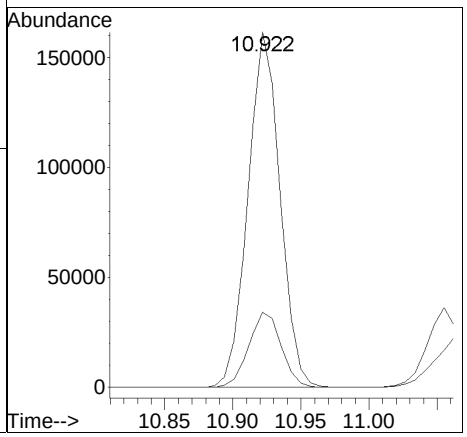


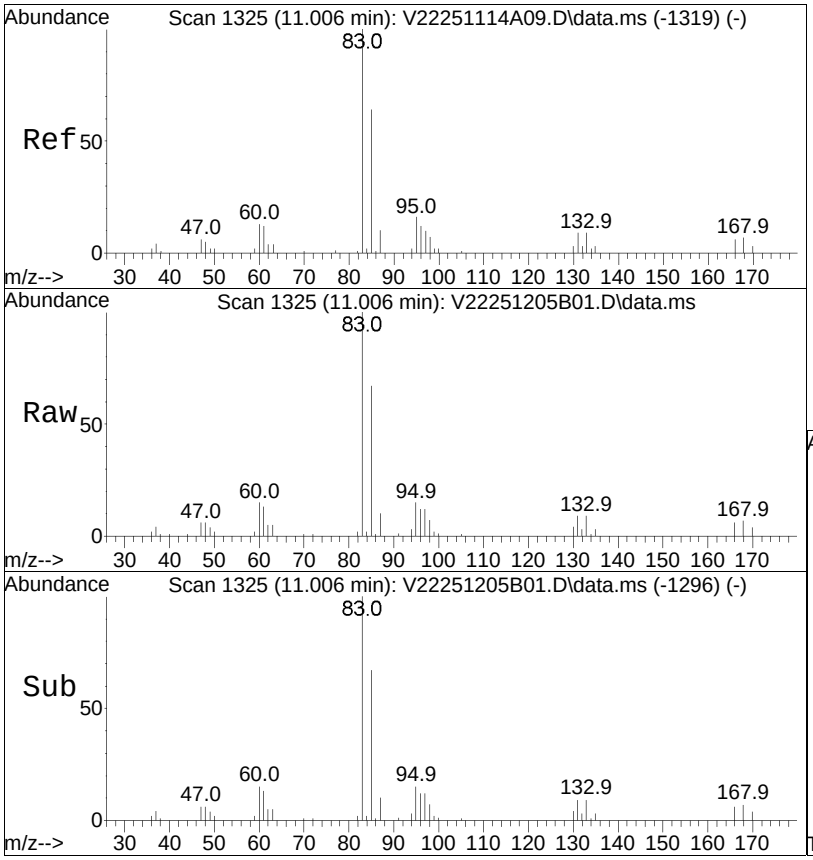


#89
n-Propylbenzene
Concen: 10.88 ug/L
RT: 10.922 min Scan# 1313
Delta R.T. -0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 91 Resp: 264445

Ion	Ratio	Lower	Upper
91	100		
120	21.4	18.8	28.2

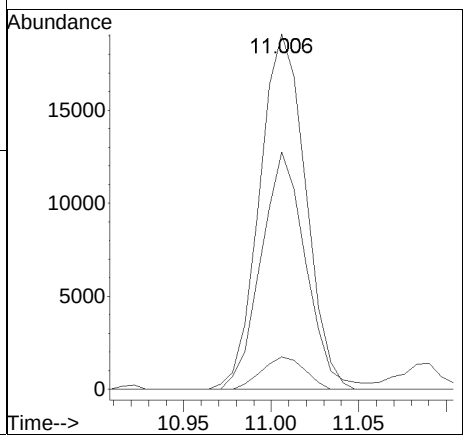


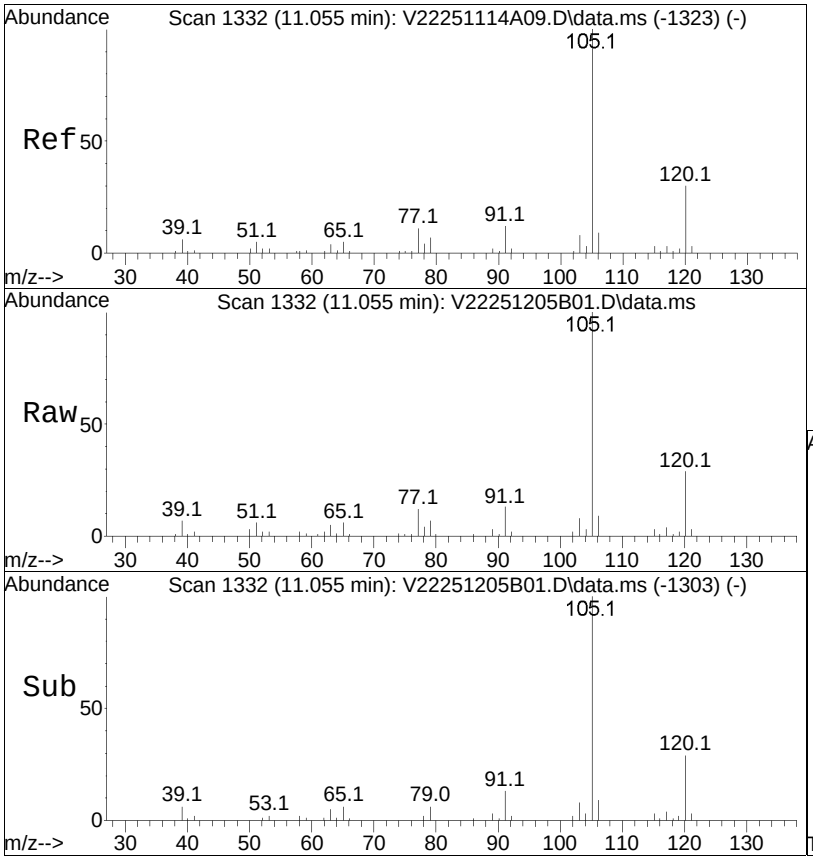


#91
1,1,2,2-Tetrachloroethane
Concen: 11.57 ug/L
RT: 11.006 min Scan# 1325
Delta R.T. -0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 83 Resp: 34913

Ion	Ratio	Lower	Upper
83	100		
131	8.6	0.0	29.8
85	65.2	44.6	84.6

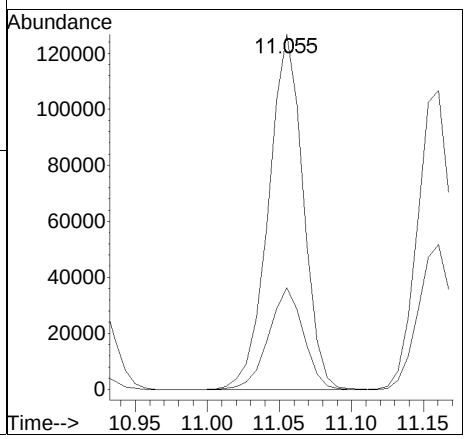


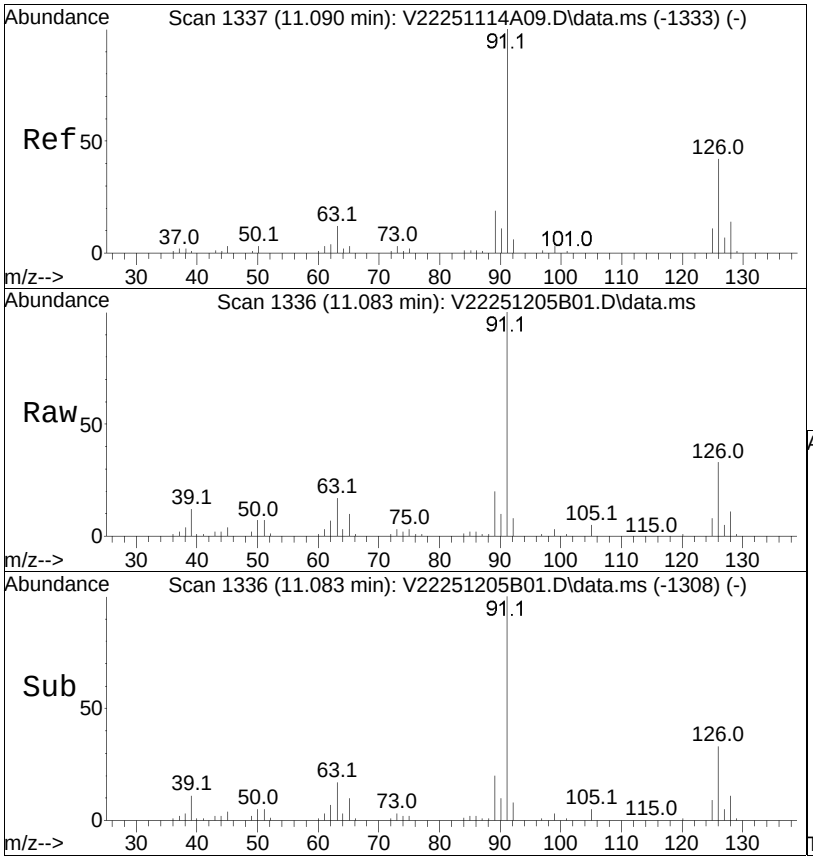


#92
4-Ethyltoluene
Concen: 10.56 ug/L
RT: 11.055 min Scan# 1332
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:105 Resp: 211826

Ion	Ratio	Lower	Upper
105	100		
120	28.7	19.7	40.9

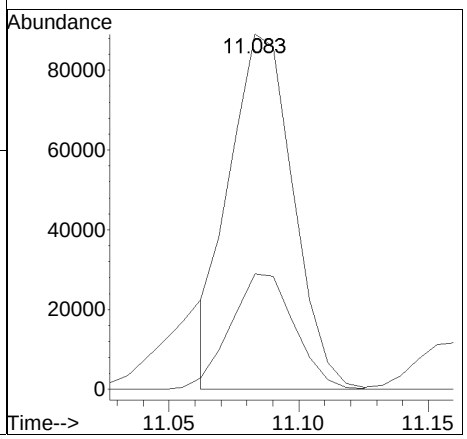


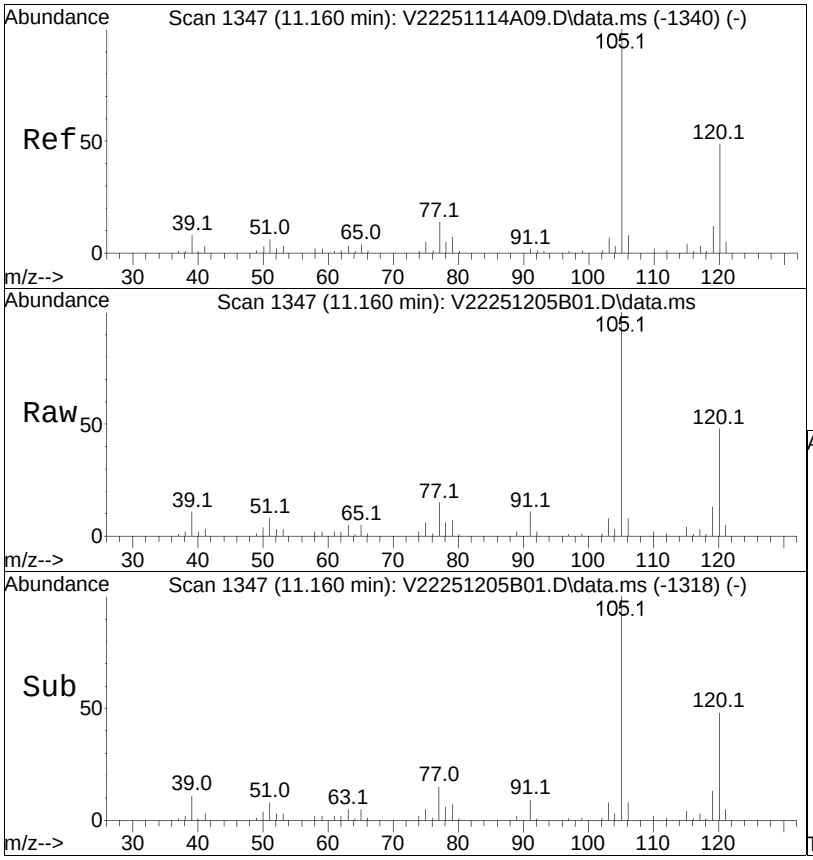


#93
2-Chlorotoluene
Concen: 10.97 ug/L M6
RT: 11.083 min Scan# 1336
Delta R.T. -0.007 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 91 Resp: 152224

Ion	Ratio	Lower	Upper
91	100		
126	32.8	27.7	41.5

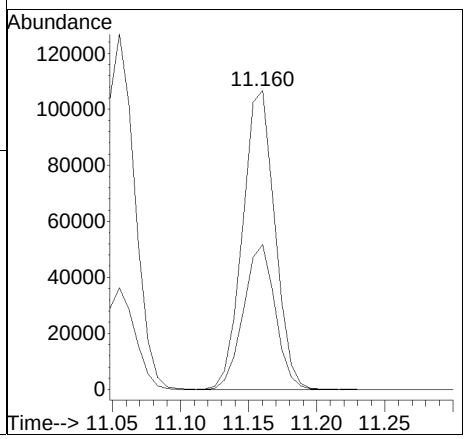


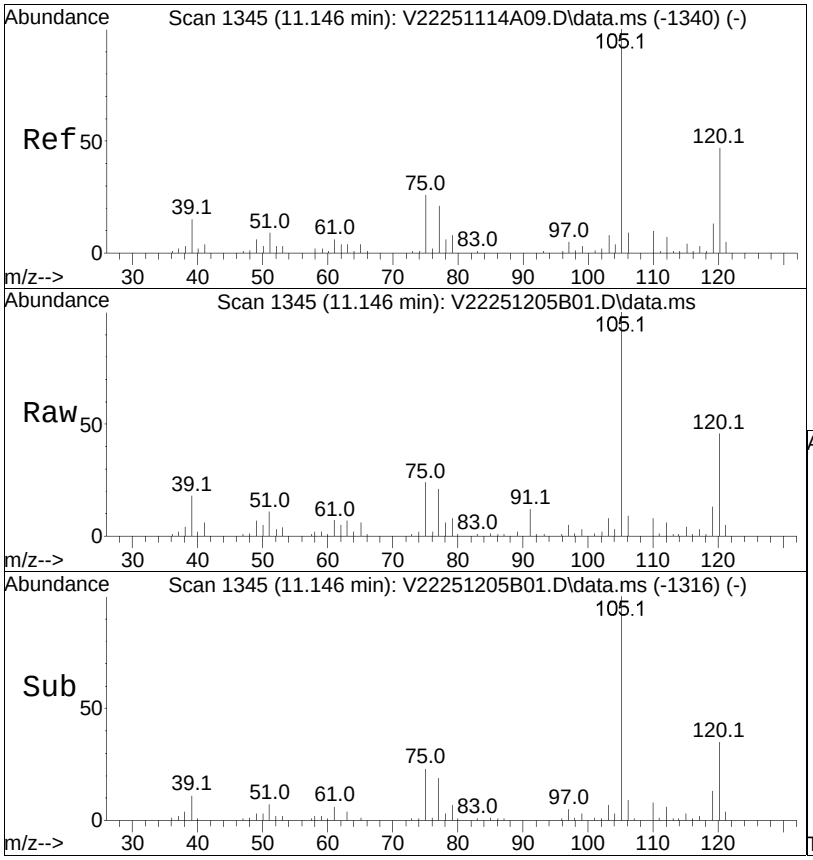


#94
1,3,5-Trimethylbenzene
Concen: 10.28 ug/L
RT: 11.160 min Scan# 1347
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:105 Resp: 175724

Ion	Ratio	Lower	Upper
105	100		
120	47.6	40.1	60.1

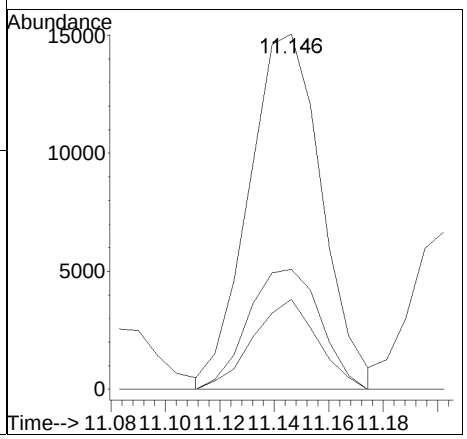


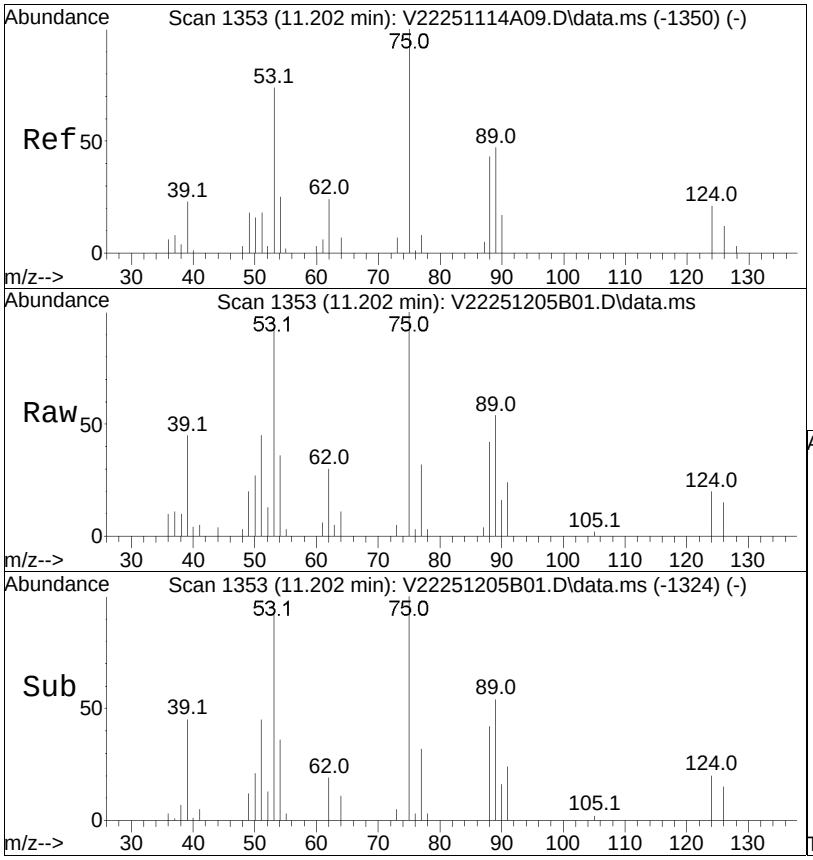


#95
1,2,3-Trichloropropane
Concen: 11.71 ug/L
RT: 11.146 min Scan# 1345
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 75 Resp: 28002

Ion	Ratio	Lower	Upper
75	100		
110	33.6	24.6	51.0
112	22.4	15.3	31.9

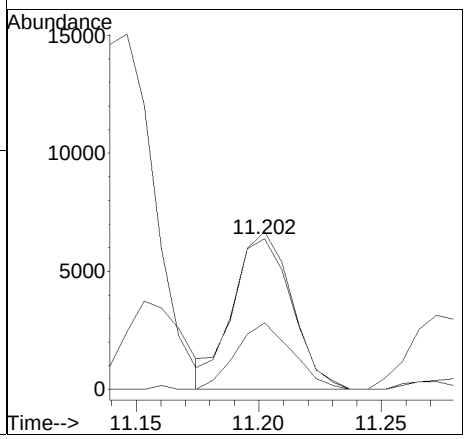


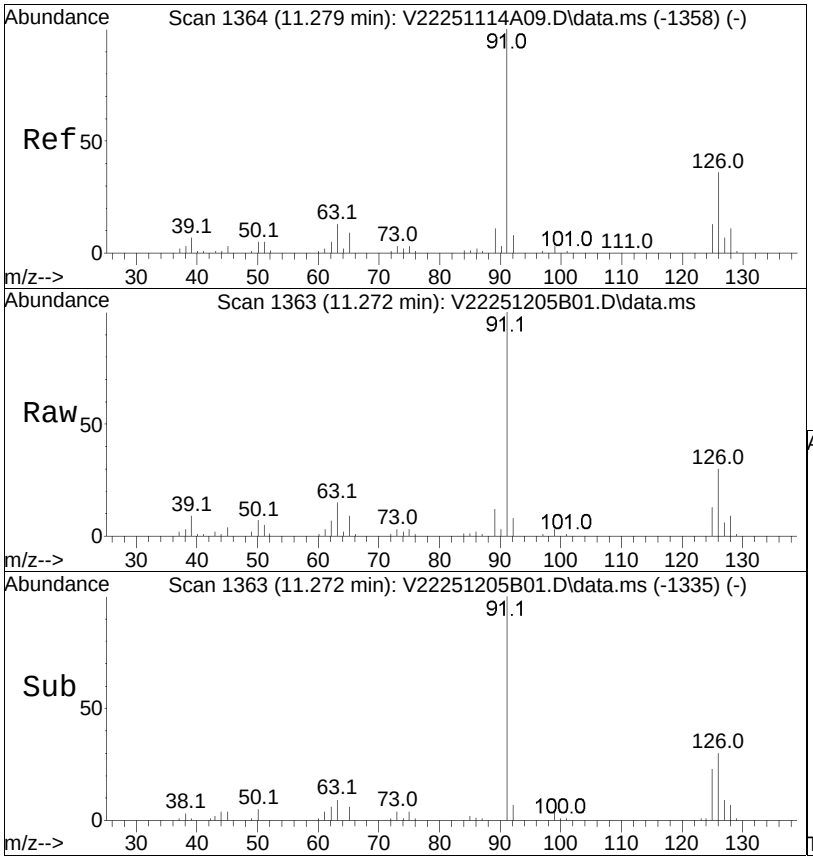


#96
trans-1,4-Dichloro-2-butene
Concen: 12.60 ug/L
RT: 11.202 min Scan# 1353
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 53 Resp: 10742

Ion	Ratio	Lower	Upper
53	100		
88	42.1	43.0	64.6#
75	102.9	98.5	147.7

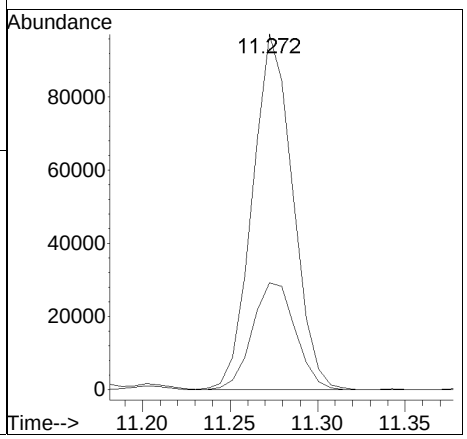


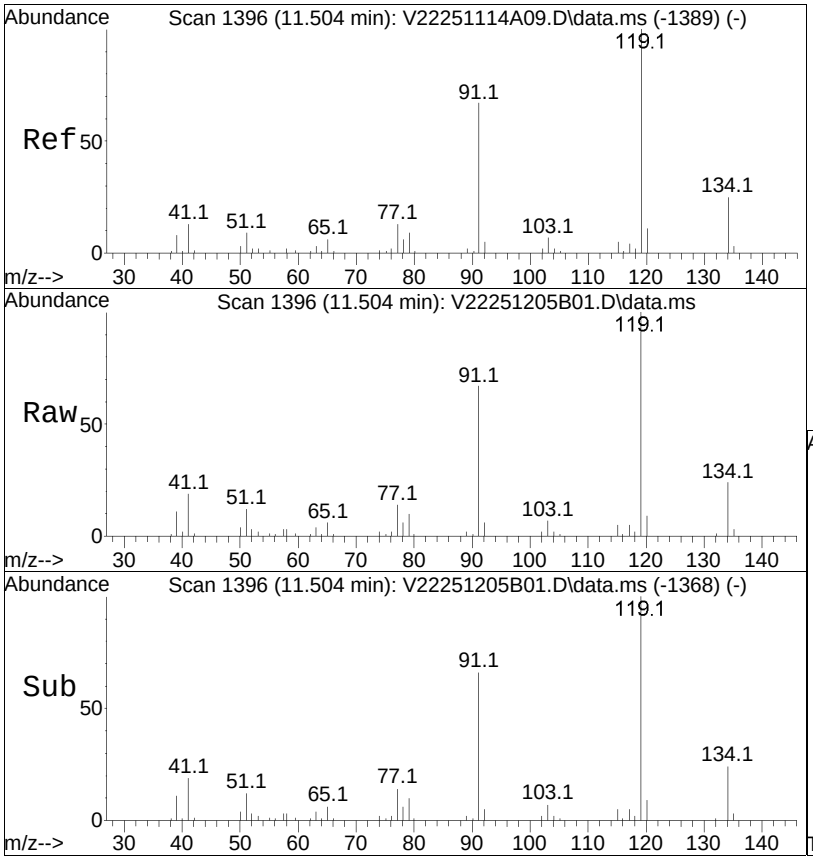


#97
4-Chlorotoluene
Concen: 10.73 ug/L
RT: 11.272 min Scan# 1363
Delta R.T. -0.007 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 91 Resp: 155464

Ion	Ratio	Lower	Upper
91	100		
126	32.0	28.0	42.0

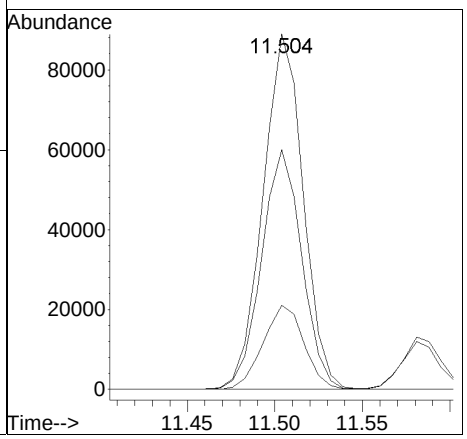


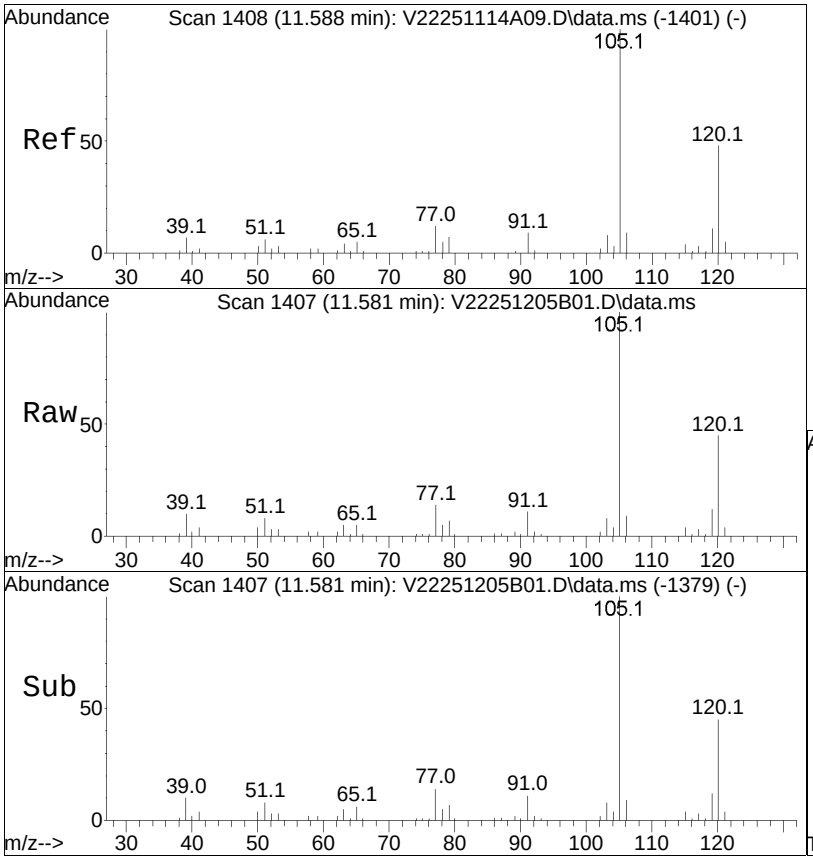


#98
tert-Butylbenzene
Concen: 9.71 ug/L
RT: 11.504 min Scan# 1396
Delta R.T. -0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:119 Resp: 142294

Ion	Ratio	Lower	Upper
119	100		
91	67.5	52.2	78.4
134	24.1	20.2	30.4

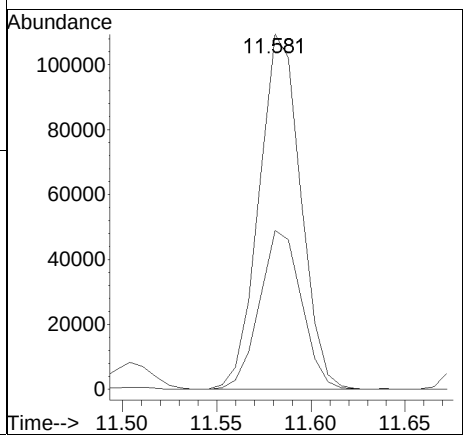


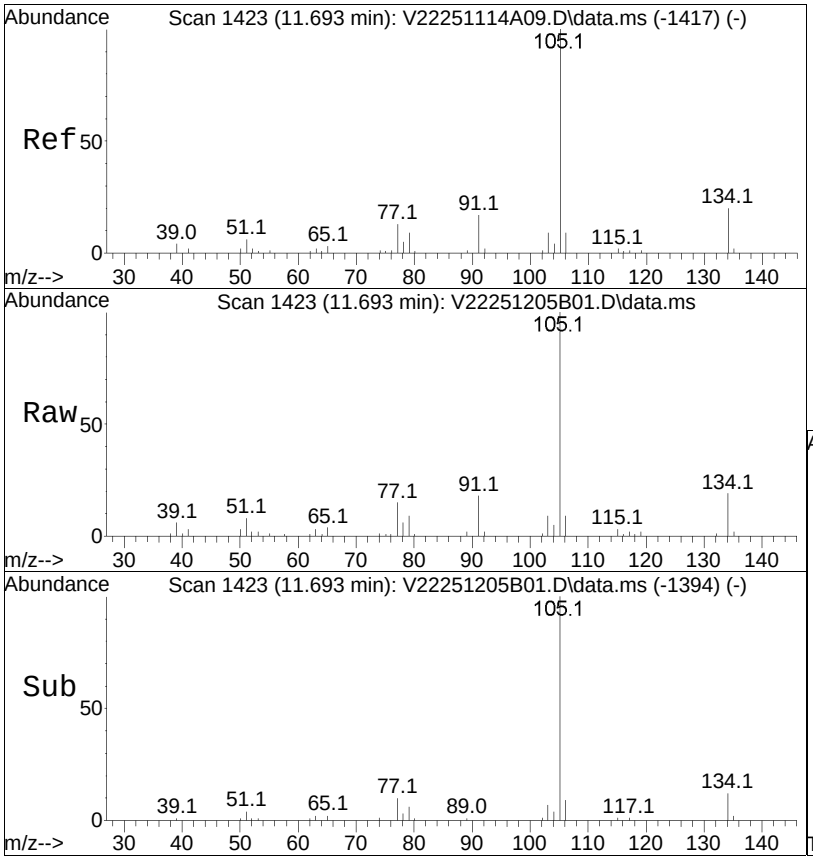


#101
1,2,4-Trimethylbenzene
Concen: 10.20 ug/L
RT: 11.581 min Scan# 1407
Delta R.T. -0.007 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:105 Resp: 168985

Ion	Ratio	Lower	Upper
105	100		
120	44.9	37.8	56.8

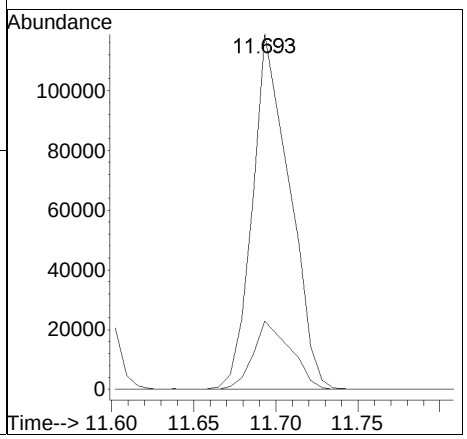


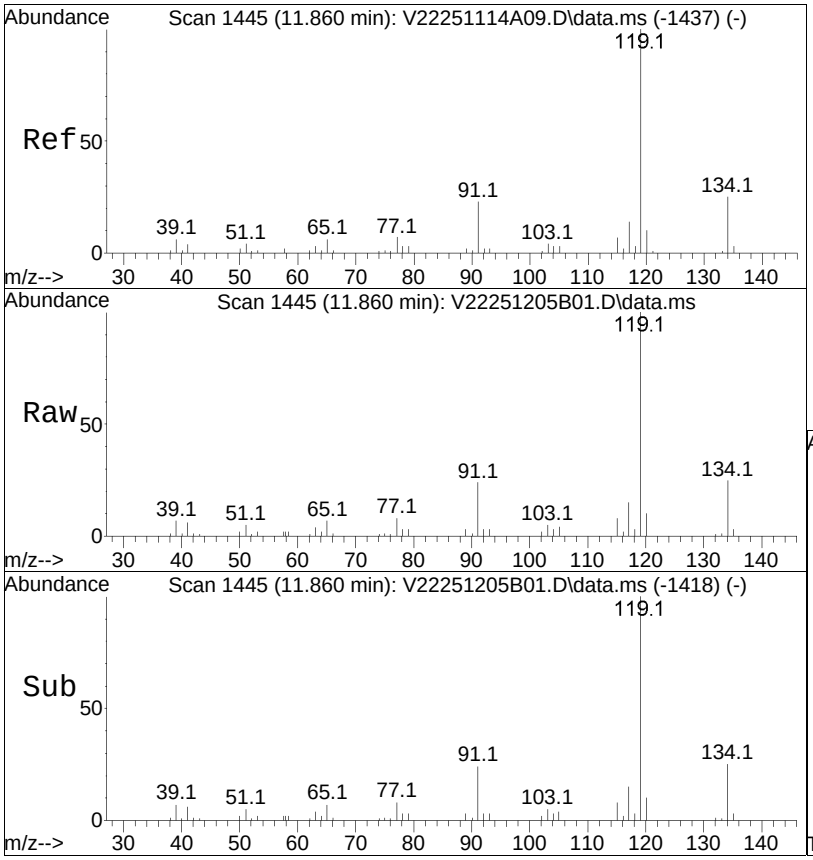


#102
sec-Butylbenzene
Concen: 11.36 ug/L
RT: 11.693 min Scan# 1423
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:105 Resp: 135333

Ion	Ratio	Lower	Upper
105	100		
134	19.9	13.6	28.2

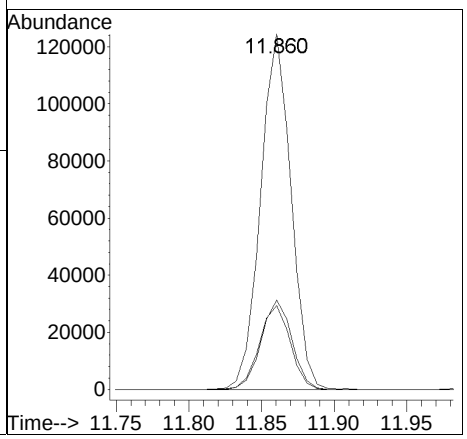


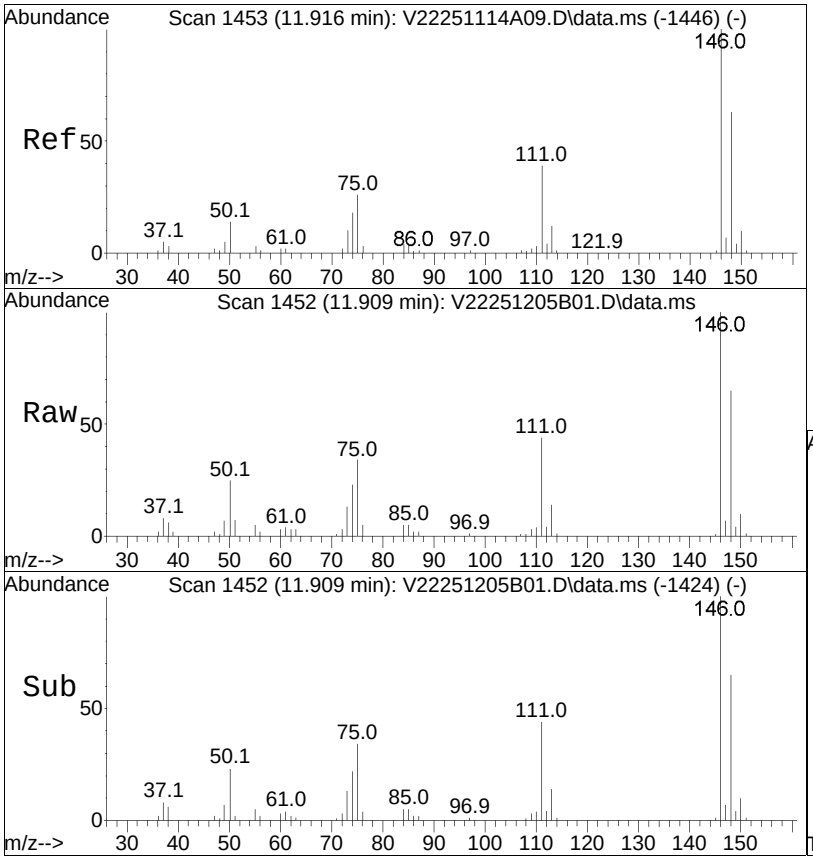


#103
p-Isopropyltoluene
Concen: 10.08 ug/L
RT: 11.860 min Scan# 1445
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:119 Resp: 181112

Ion	Ratio	Lower	Upper
119	100		
134	25.3	17.0	35.4
91	23.9	14.8	30.8

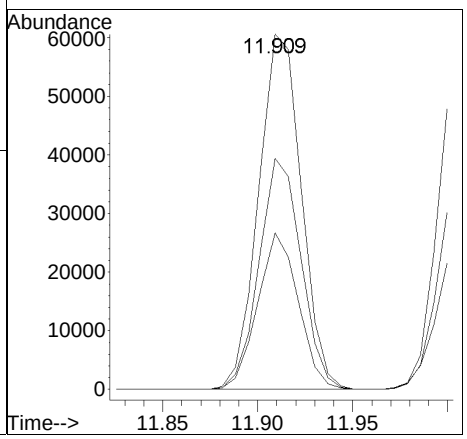


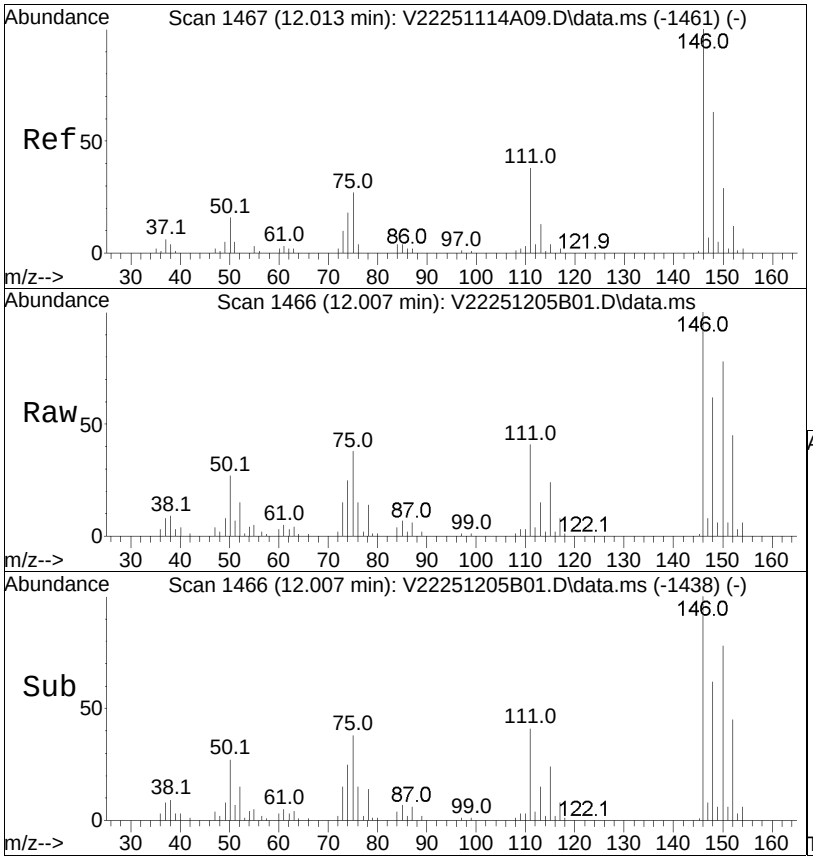


#104
1,3-Dichlorobenzene
Concen: 10.31 ug/L
RT: 11.909 min Scan# 1452
Delta R.T. -0.007 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:146 Resp: 94914

Ion	Ratio	Lower	Upper
146	100		
111	41.9	26.1	54.3
148	64.0	41.7	86.7

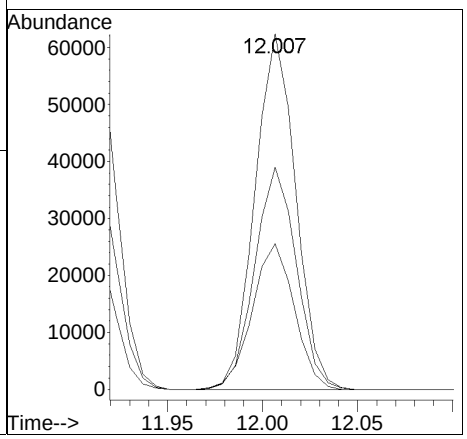


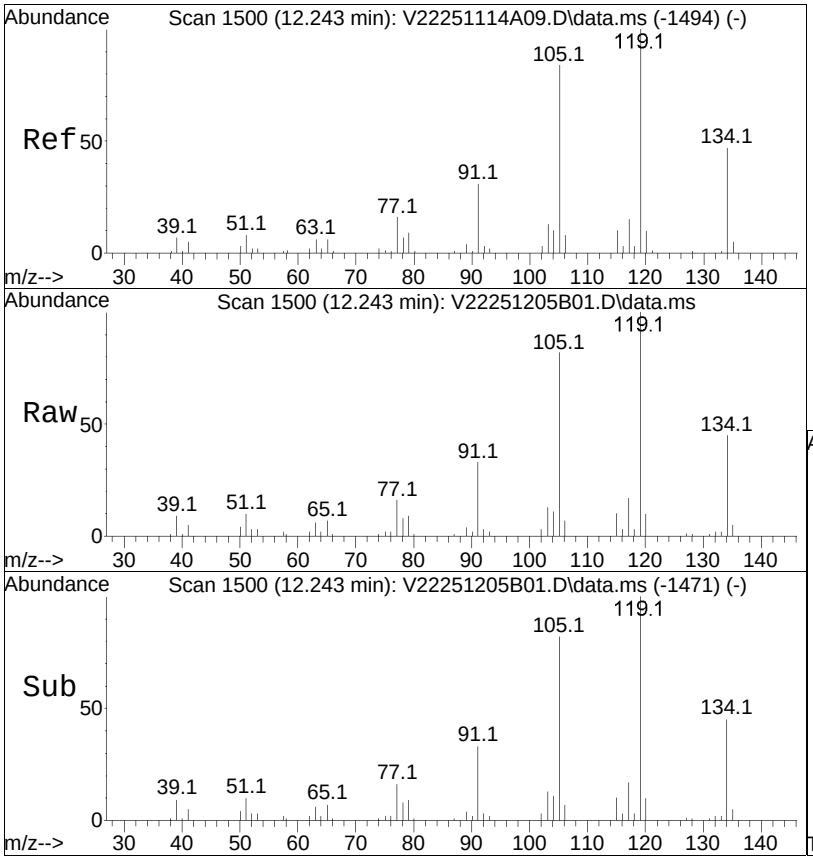


#105
1,4-Dichlorobenzene
Concen: 10.25 ug/L
RT: 12.007 min Scan# 1466
Delta R.T. -0.006 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:146 Resp: 93076

Ion	Ratio	Lower	Upper
146	100		
111	42.5	31.7	47.5
148	64.0	51.5	77.3

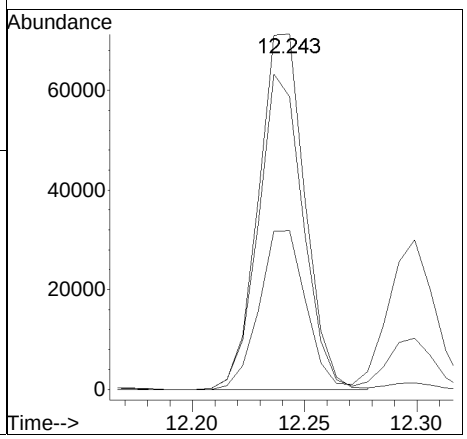


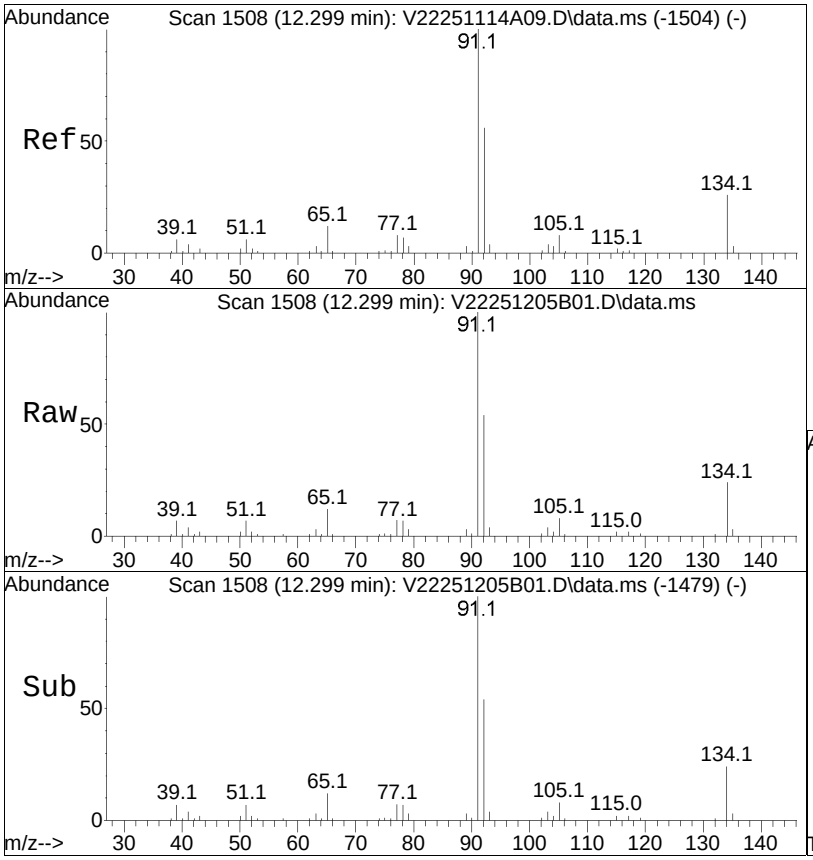


#106
p-Diethylbenzene
Concen: 9.89 ug/L
RT: 12.243 min Scan# 1500
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:119 Resp: 102776

Ion	Ratio	Lower	Upper
119	100		
105	85.5	54.2	112.6
134	44.9	30.7	63.9

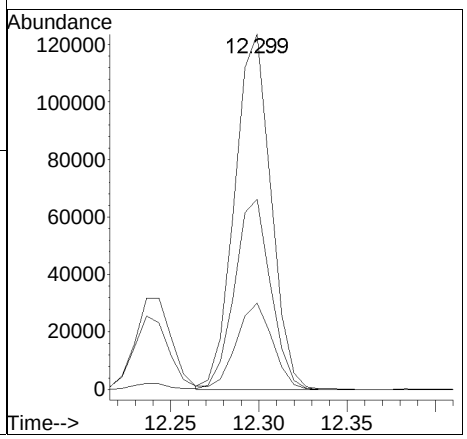


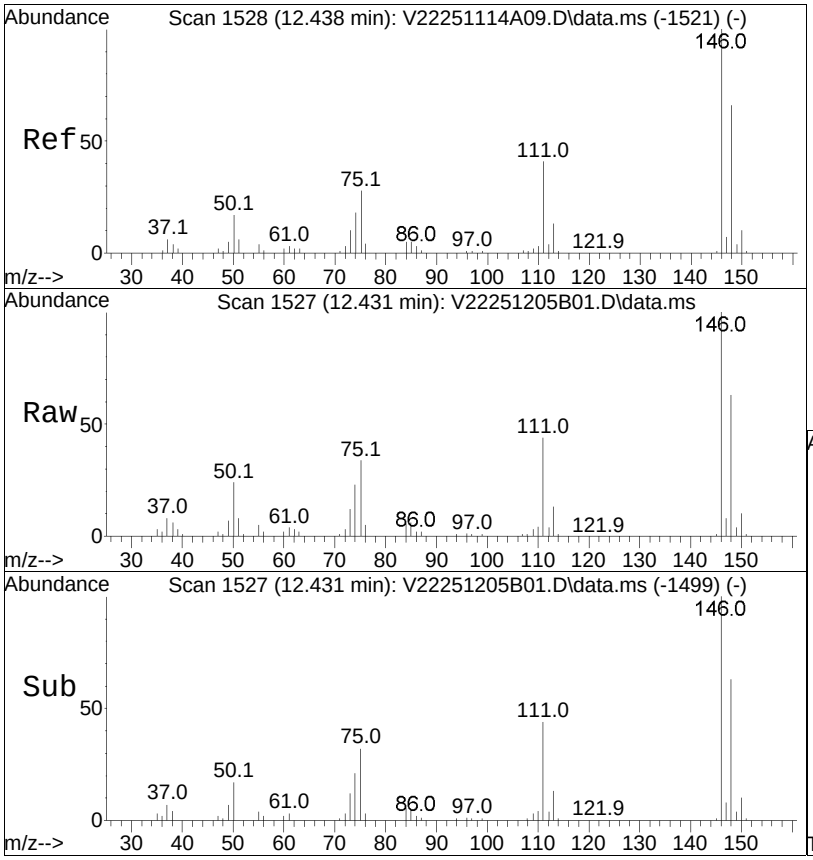


#107
n-Butylbenzene
Concen: 11.36 ug/L
RT: 12.299 min Scan# 1508
Delta R.T. -0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion: 91 Resp: 177175

Ion	Ratio	Lower	Upper
91	100		
92	53.3	43.8	65.6
134	24.0	21.3	31.9

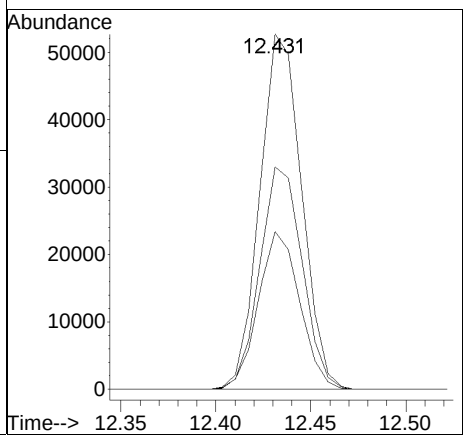


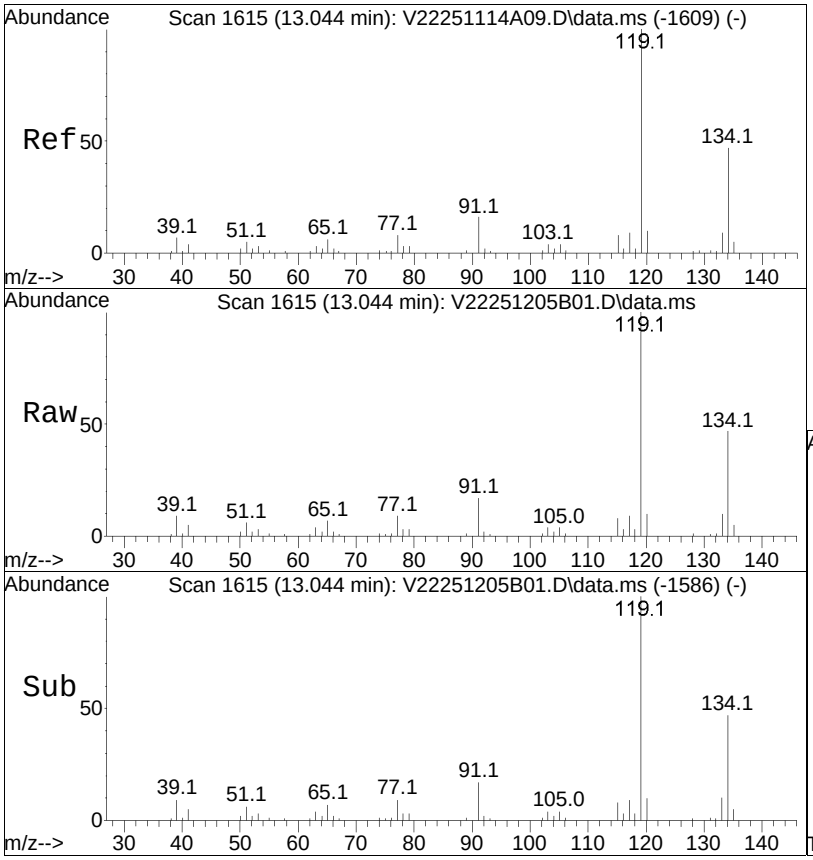


#108
1,2-Dichlorobenzene
Concen: 10.09 ug/L
RT: 12.431 min Scan# 1527
Delta R.T. -0.007 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:146 Resp: 80675

Ion	Ratio	Lower	Upper
146	100		
111	44.1	26.8	55.8
148	63.6	41.5	86.1

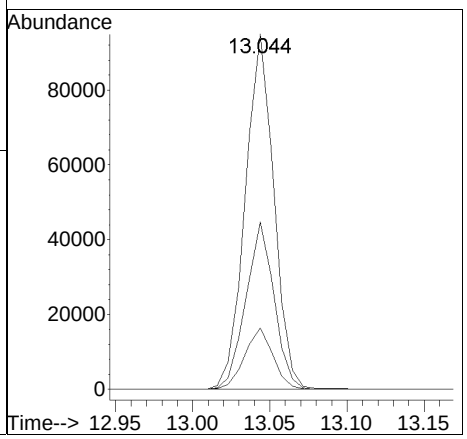


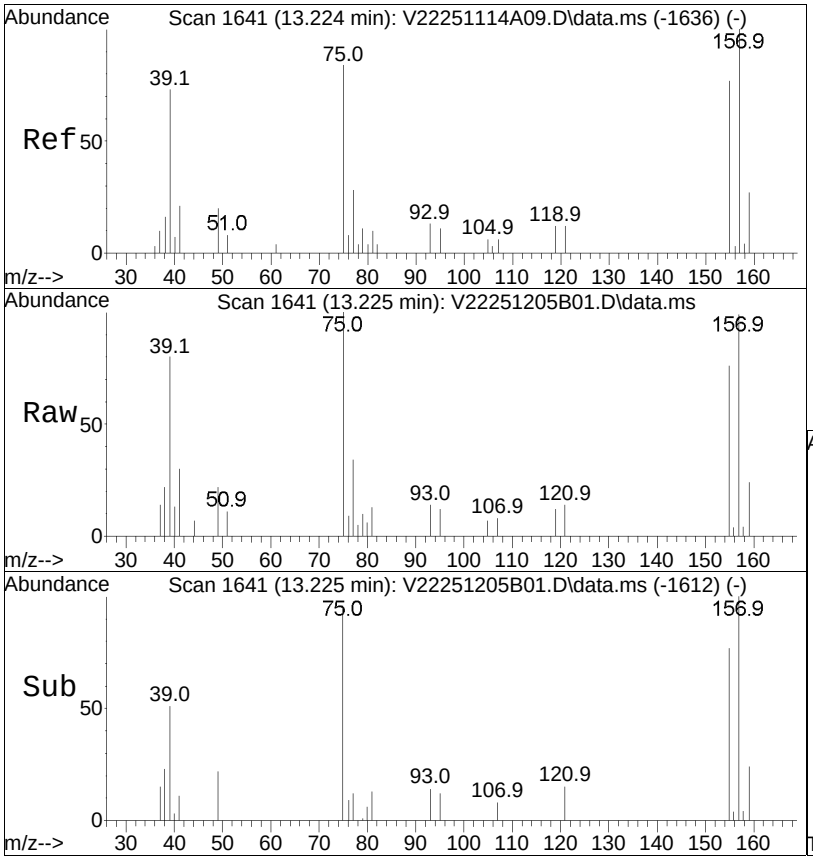


#109
1,2,4,5-Tetramethylbenzene
Concen: 8.79 ug/L
RT: 13.044 min Scan# 1615
Delta R.T. -0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:119 Resp: 122892

Ion	Ratio	Lower	Upper
119	100		
134	46.4	30.8	64.0
91	17.1	10.3	21.3

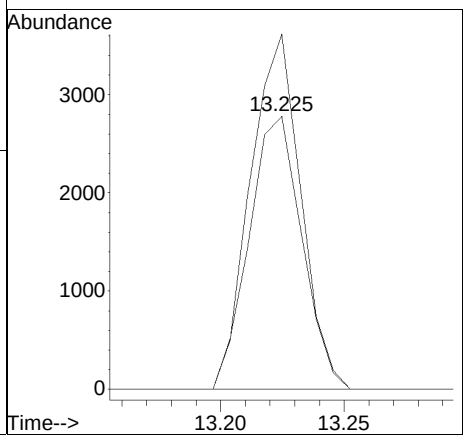


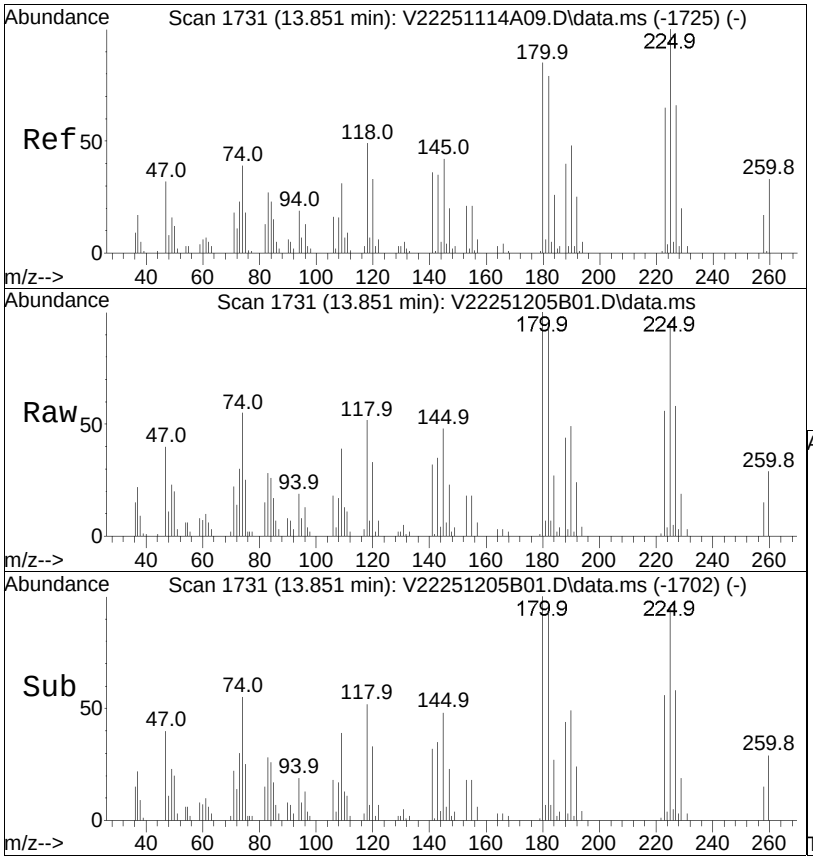


#110
1,2-Dibromo-3-chloropropane
Concen: 9.15 ug/L
RT: 13.225 min Scan# 1641
Delta R.T. 0.001 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:155 Resp: 4149

Ion	Ratio	Lower	Upper
155	100		
157	123.7	98.6	147.8

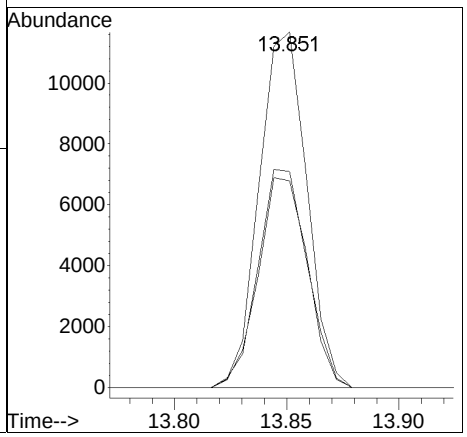


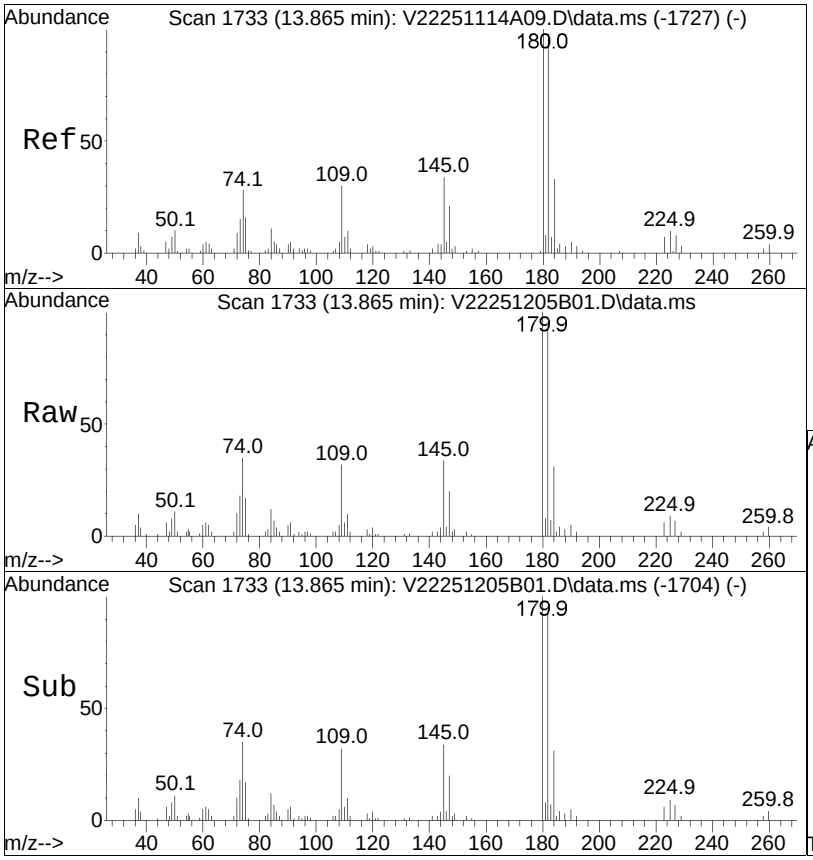


#112
Hexachlorobutadiene
Concen: 9.55 ug/L
RT: 13.851 min Scan# 1731
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:225 Resp: 17208

Ion	Ratio	Lower	Upper
225	100		
223	61.2	50.2	75.4
227	63.6	52.6	79.0

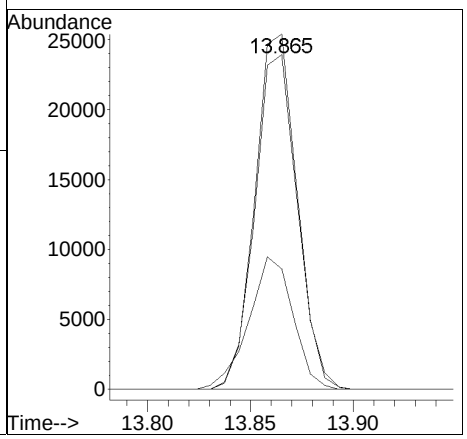


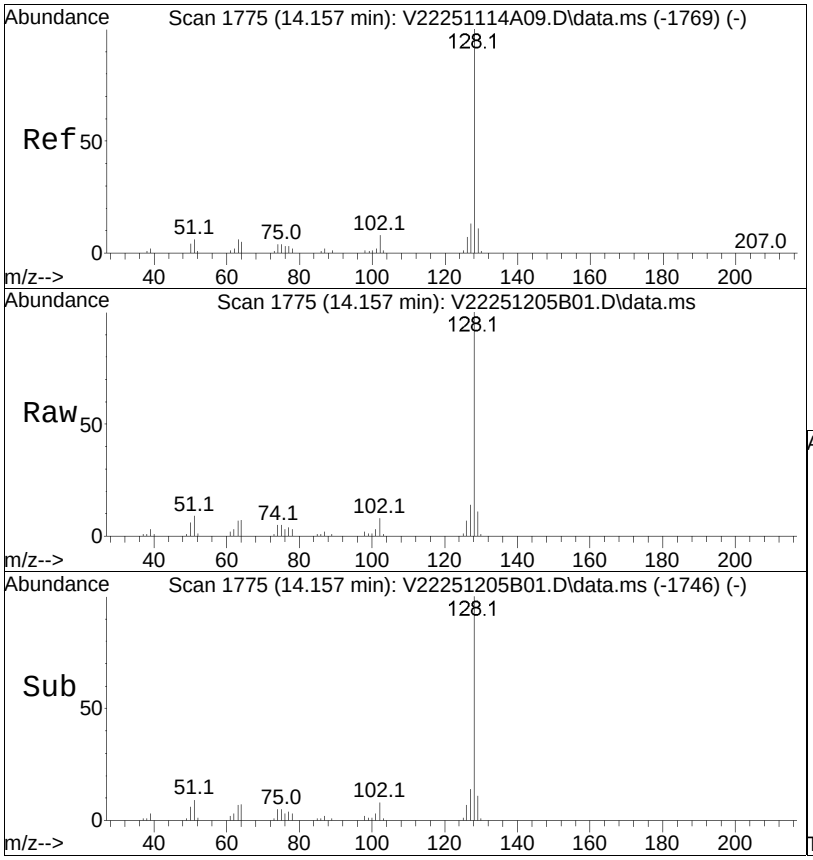


#113
1,2,4-Trichlorobenzene
Concen: 8.35 ug/L
RT: 13.865 min Scan# 1733
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:180 Resp: 36178

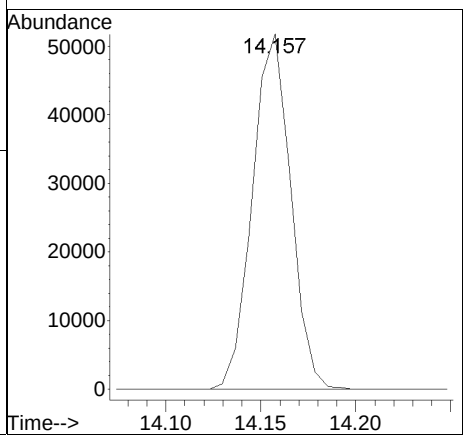
Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.0	115.6
145	39.3	29.4	44.0

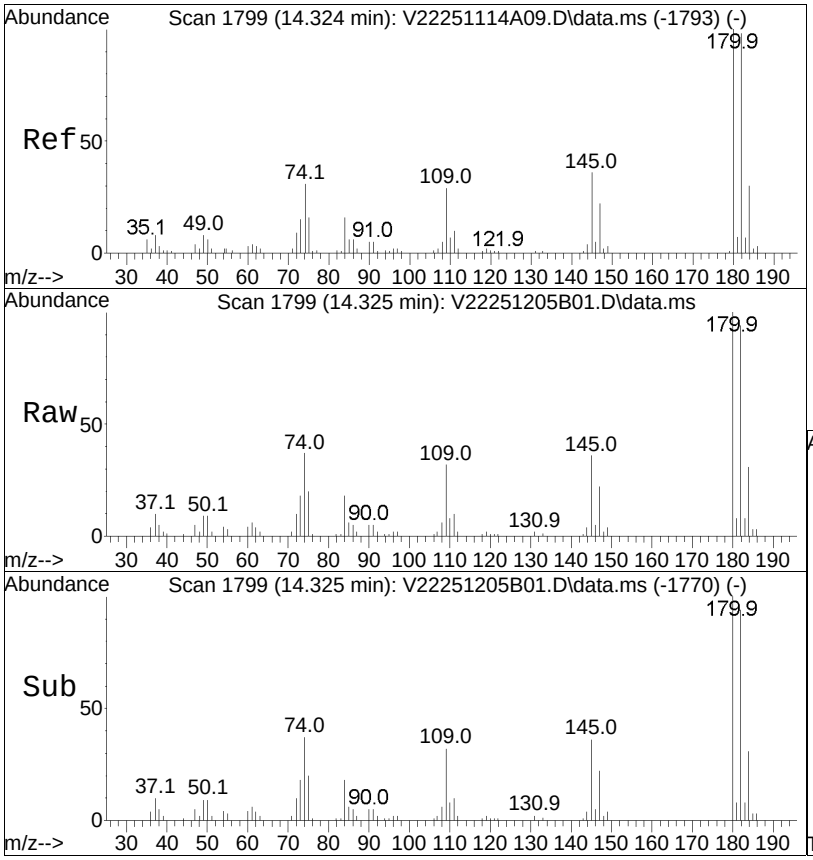




#114
Naphthalene
Concen: 7.78 ug/L
RT: 14.157 min Scan# 1775
Delta R.T. 0.000 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:128 Resp: 72698

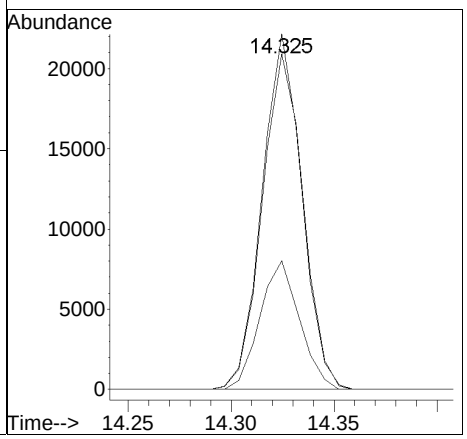




#115
1,2,3-Trichlorobenzene
Concen: 8.34 ug/L
RT: 14.325 min Scan# 1799
Delta R.T. 0.001 min
Lab File: V22251205B01.D
Acq: 05 Dec 2025 12:06 pm

Tgt Ion:180 Resp: 29609

Ion	Ratio	Lower	Upper
180	100		
182	97.3	77.0	115.4
145	36.3	28.1	42.1

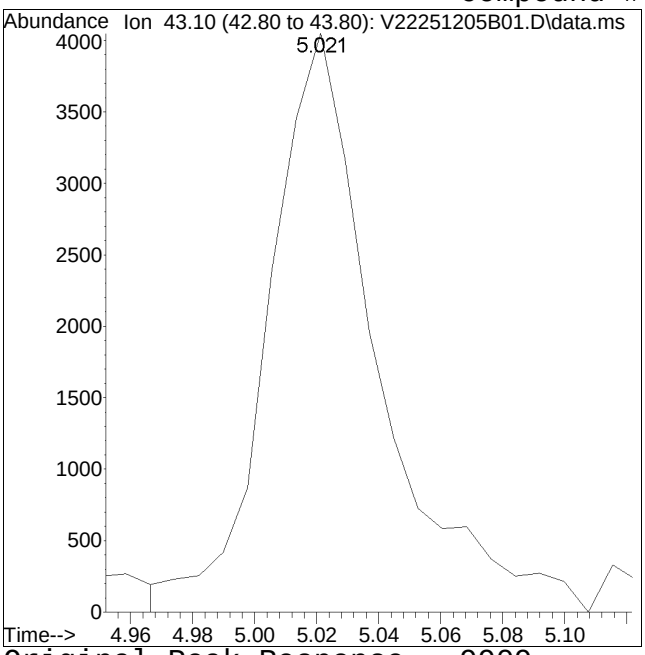


Manual Integration Report

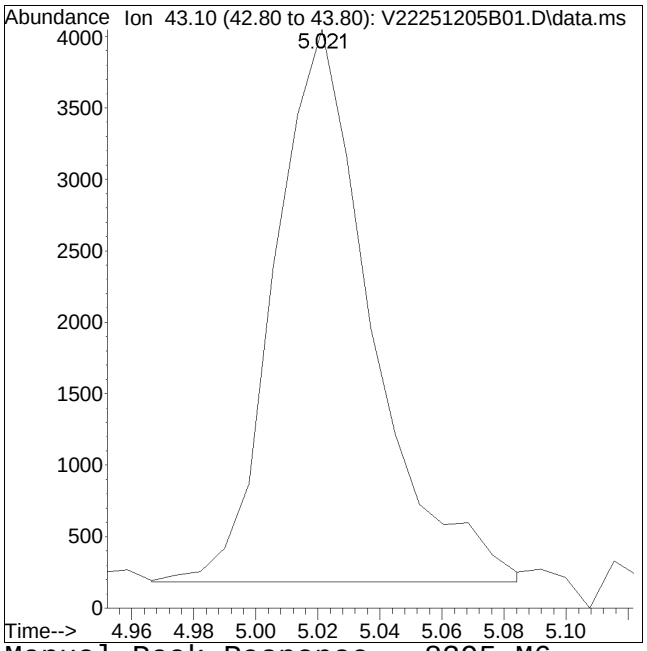
Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B01.D
Date Inj'd : 12/5/2025 12:06 pm
Sample : WG2150855-3,31,10,10

QMethod : V122_251114A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 12/5/2025 12:45 pm

Compound #41: 2-Butanone



Original Peak Response = 9909



Manual Peak Response = 8395 M6

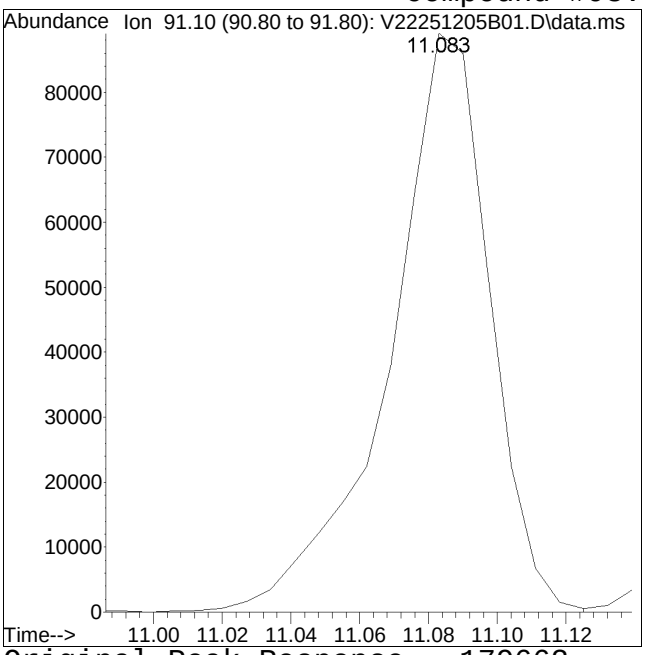
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

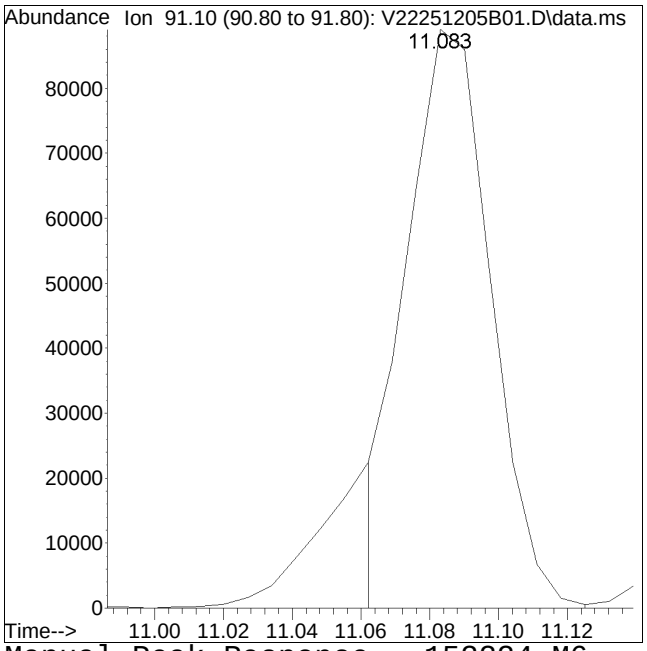
Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B01.D
Date Inj'd : 12/5/2025 12:06 pm
Sample : WG2150855-3,31,10,10

QMethod : V122_251114A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 12/5/2025 12:45 pm

Compound #93: 2-Chlorotoluene



Original Peak Response = 179662



Manual Peak Response = 152224 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A02.D
Acq On : 3 Dec 2025 9:16 am
Operator : VOA105:PID
Sample : WG2149674-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149674,ICAL22802 (Sig #1); WG,ICAL22802 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 03 10:43:55 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.513	96	374520	10.000 ug/L	0.00
Standard Area 1 = 383158			Recovery = 97.75%		
59) Chlorobenzene-d5	8.984	117	306507	10.000 ug/L	0.00
Standard Area 1 = 313563			Recovery = 97.75%		
79) 1,4-Dichlorobenzene-d4	11.790	152	192509	10.000 ug/L	0.00
Standard Area 1 = 191277			Recovery = 100.64%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.732	113	100873	9.765 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.65%		
43) 1,2-Dichloroethane-d4	5.238	65	117066	9.047 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.47%		
60) Toluene-d8	7.164	98	365031	9.417 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.17%		
83) 4-Bromofluorobenzene	10.531	95	151131	9.151 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.51%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.430	85	105913	8.430 ug/L	98
3) Chloromethane	1.602	50	95318	5.677 ug/L	99
4) Vinyl chloride	1.657	62	84925	6.618 ug/L	97
5) Bromomethane	1.924	94	23158	4.938 ug/L	99
6) Chloroethane	2.021	64	56604	7.753 ug/L	99
7) Trichlorofluoromethane	2.144	101	129961	8.390 ug/L	100
8) Ethyl ether	2.419	74	36541	8.986 ug/L	82
10) 1,1-Dichloroethene	2.590	96	66714	8.863 ug/L	77
11) Carbon disulfide	2.618	76	213631	8.108 ug/L	99
15) Methylene chloride	3.112	84	74011	8.068 ug/L	70
17) Acetone	3.174	43	11972	6.266 ug/L	89
18) trans-1,2-Dichloroethene	3.249	96	76768	8.476 ug/L	87
20) Methyl tert-butyl ether	3.345	73	176228	8.833 ug/L	87
23) 1,1-Dichloroethane	3.805	63	147795	7.241 ug/L	97
25) Acrylonitrile	3.881	53	18704	7.165 ug/L	96
27) Vinyl acetate	4.039	43	125941M6	6.305 ug/L	
28) cis-1,2-Dichloroethene	4.306	96	88489	8.721 ug/L	87
29) 2,2-Dichloropropane	4.395	77	121422	8.548 ug/L	87
30) Bromochloromethane	4.492	128	42757	9.980 ug/L #	66
32) Chloroform	4.560	83	144133	8.171 ug/L	95

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A02.D
Acq On : 3 Dec 2025 9:16 am
Operator : VOA105:PID
Sample : WG2149674-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149674,ICAL22802 (Sig #1); WG,ICAL22802 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 03 10:43:55 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	4.677	117	122020	8.401	ug/L		98
37) 1,1,1-Trichloroethane	4.739	97	132482	8.502	ug/L		95
39) 2-Butanone	4.862	43	19000	6.742	ug/L		99
40) 1,1-Dichloropropene	4.862	75	101543	8.292	ug/L		96
41) Benzene	5.097	78	305558	8.079	ug/L		93
44) 1,2-Dichloroethane	5.308	62	106221	7.823	ug/L		99
48) Trichloroethene	5.682	95	85769	8.306	ug/L		95
50) Dibromomethane	6.120	93	43818	8.875	ug/L	#	88
51) 1,2-Dichloropropane	6.211	63	80609	7.522	ug/L		95
54) Bromodichloromethane	6.296	83	107381	8.359	ug/L		100
57) 1,4-Dioxane	6.508	88	22399	520.161	ug/L	#	80
58) cis-1,3-Dichloropropene	6.973	75	115450	8.013	ug/L	#	89
61) Toluene	7.220	92	195022	8.044	ug/L		99
62) 4-Methyl-2-pentanone	7.665	58	17753	7.640	ug/L		73
63) Tetrachloroethene	7.658	166	100169	9.638	ug/L		93
65) trans-1,3-Dichloropropene	7.714	75	100589	7.920	ug/L		88
68) 1,1,2-Trichloroethane	7.898	83	49214	8.683	ug/L		96
69) Chlorodibromomethane	8.102	129	83822	9.301	ug/L		98
70) 1,3-Dichloropropane	8.208	76	104783	8.435	ug/L		99
71) 1,2-Dibromoethane	8.363	107	62960	9.474	ug/L		98
72) 2-Hexanone	8.674	43	25178	6.353	ug/L	#	89
73) Chlorobenzene	9.005	112	239611	8.845	ug/L		93
74) Ethylbenzene	9.041	91	397781	8.384	ug/L		97
75) 1,1,1,2-Tetrachloroethane	9.090	131	90788	9.308	ug/L		99
76) p/m Xylene	9.231	106	319239	18.097	ug/L		95
77) o Xylene	9.775	106	309883	18.325	ug/L		95
78) Styrene	9.845	104	518381	18.765	ug/L		97
80) Bromoform	9.873	173	53878	9.349	ug/L		99
82) Isopropylbenzene	10.184	105	417287	8.001	ug/L		98
84) Bromobenzene	10.644	156	112268	9.225	ug/L		99
85) n-Propylbenzene	10.693	91	486389	7.764	ug/L		97
87) 1,1,2,2-Tetrachloroethane	10.806	83	71878	8.601	ug/L		98
88) 4-Ethyltoluene	10.828	105	431718	8.514	ug/L		98
89) 2-Chlorotoluene	10.870	91	304128M6	8.123	ug/L		
90) 1,3,5-Trimethylbenzene	10.934	105	360755	8.294	ug/L		98
91) 1,2,3-Trichloropropane	10.941	75	57477M4	7.961	ug/L		
92) trans-1,4-Dichloro-2-b...	11.012	53	16868	5.767	ug/L	#	83
93) 4-Chlorotoluene	11.061	91	312964	8.110	ug/L		96
94) tert-Butylbenzene	11.287	119	319332	8.535	ug/L		95

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A02.D
Acq On : 3 Dec 2025 9:16 am
Operator : VOA105:PID
Sample : WG2149674-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149674,ICAL22802 (Sig #1); WG,ICAL22802 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 03 10:43:55 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	11.372	105	349126	8.361	ug/L	99
98) sec-Butylbenzene	11.478	105	430760	8.086	ug/L	98
99) p-Isopropyltoluene	11.648	119	391774	7.831	ug/L	98
100) 1,3-Dichlorobenzene	11.712	146	217889	9.222	ug/L	98
101) 1,4-Dichlorobenzene	11.804	146	222878	9.028	ug/L	98
102) p-Diethylbenzene	12.030	119	229317	8.158	ug/L	99
103) n-Butylbenzene	12.087	91	311455	7.719	ug/L	98
104) 1,2-Dichlorobenzene	12.242	146	198618	9.386	ug/L	97
105) 1,2,4,5-Tetramethylben...	12.836	119	346446	8.648	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.042	155	11952	9.765	ug/L	96
108) Hexachlorobutadiene	13.643	225	58105	9.822	ug/L	100
109) 1,2,4-Trichlorobenzene	13.671	180	130319	10.149	ug/L	98
110) Naphthalene	13.961	128	235861	9.872	ug/L	100
111) 1,2,3-Trichlorobenzene	14.131	180	108048	10.513	ug/L	98

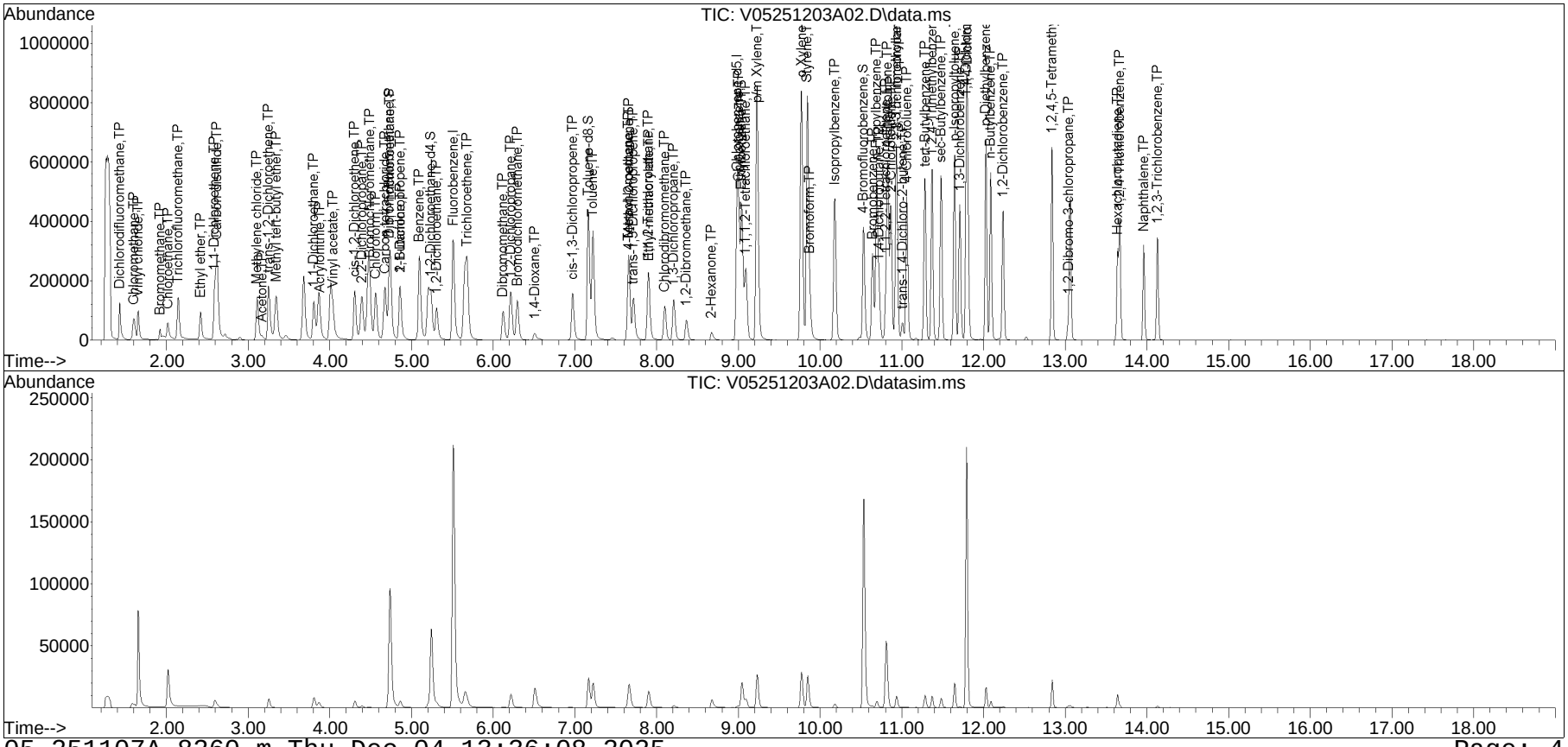
(#) = qualifier out of range (m) = manual integration (+) = signals summed

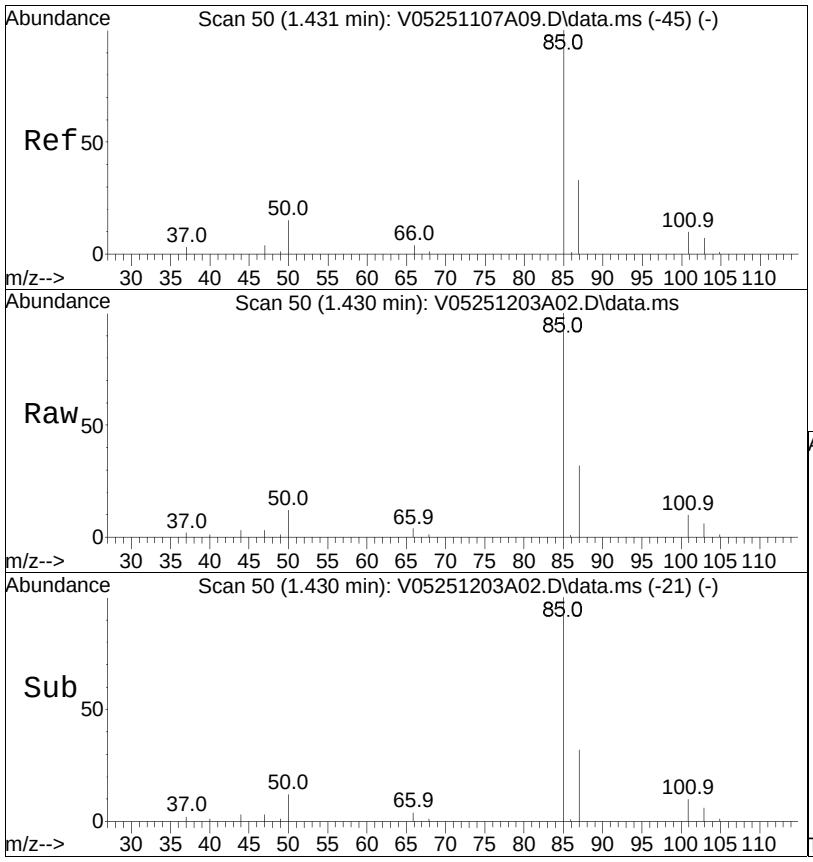
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A02.D
Acq On : 3 Dec 2025 9:16 am
Operator : VOA105:PID
Sample : WG2149674-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2149674,ICAL22802 (Sig #1); WG,ICAL22802 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 03 10:43:55 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox251203A01.D•

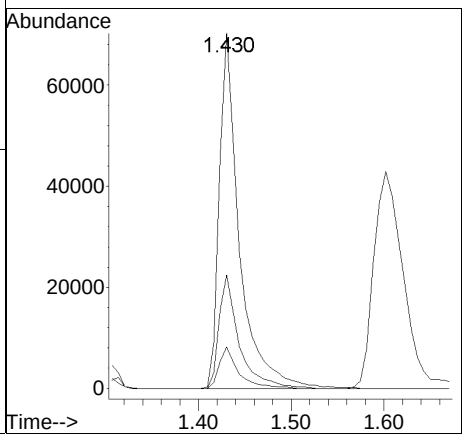


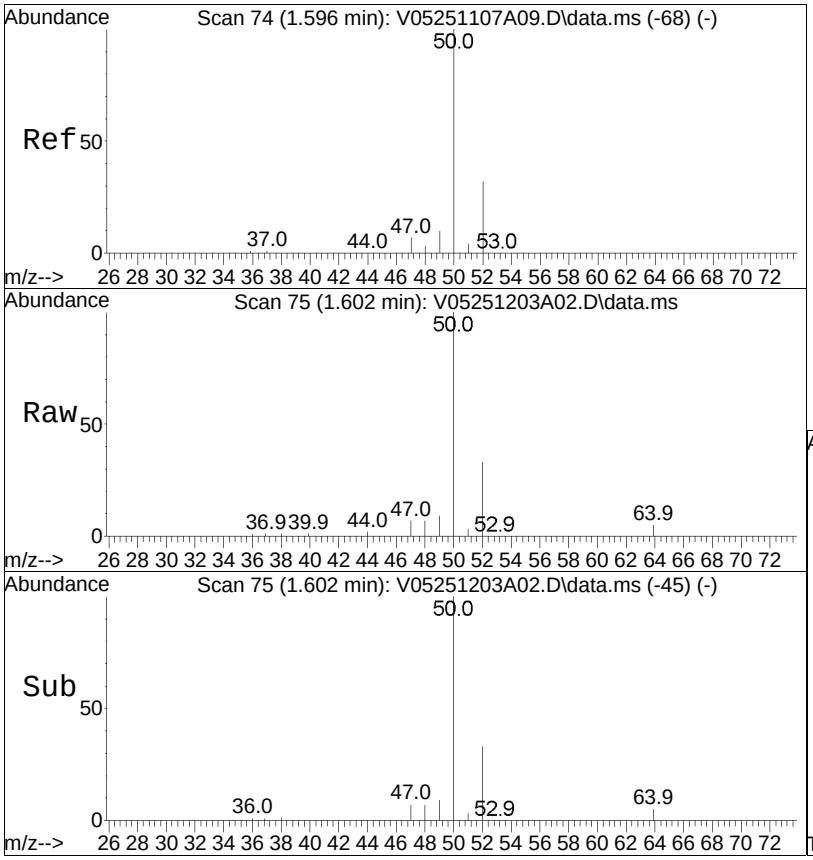


#2
Dichlorodifluoromethane
Concen: 8.43 ug/L
RT: 1.430 min Scan# 50
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 85 Resp: 105913

Ion	Ratio	Lower	Upper
85	100		
87	31.8	20.6	42.8
50	11.2	9.2	19.2

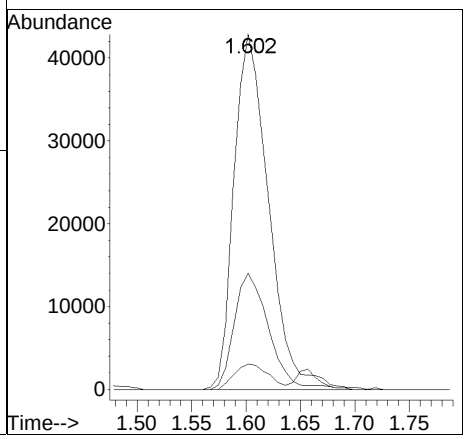


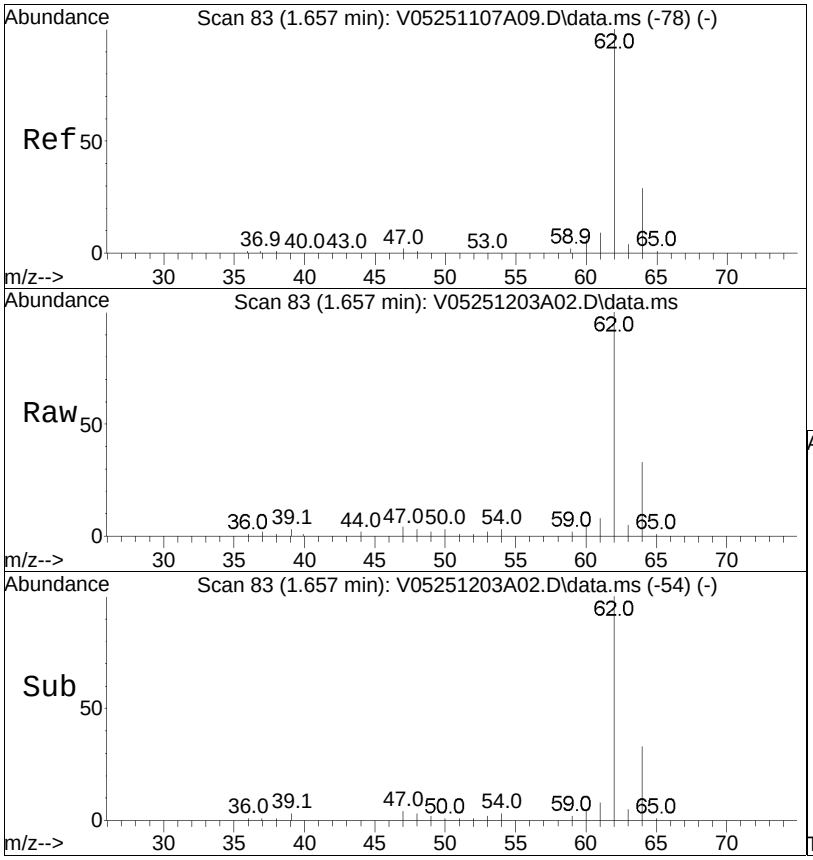


#3
Chloromethane
Concen: 5.68 ug/L
RT: 1.602 min Scan# 75
Delta R.T. 0.006 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 50 Resp: 95318

Ion	Ratio	Lower	Upper
50	100		
52	32.5	12.1	52.1
47	7.1	0.0	27.2

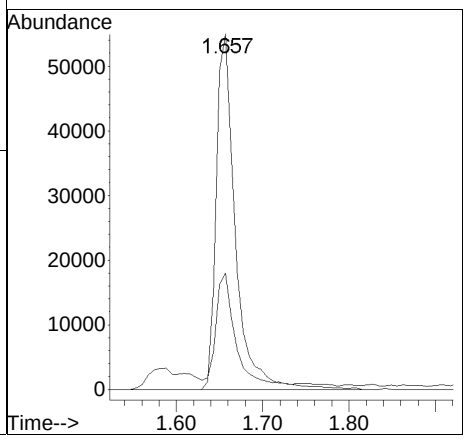


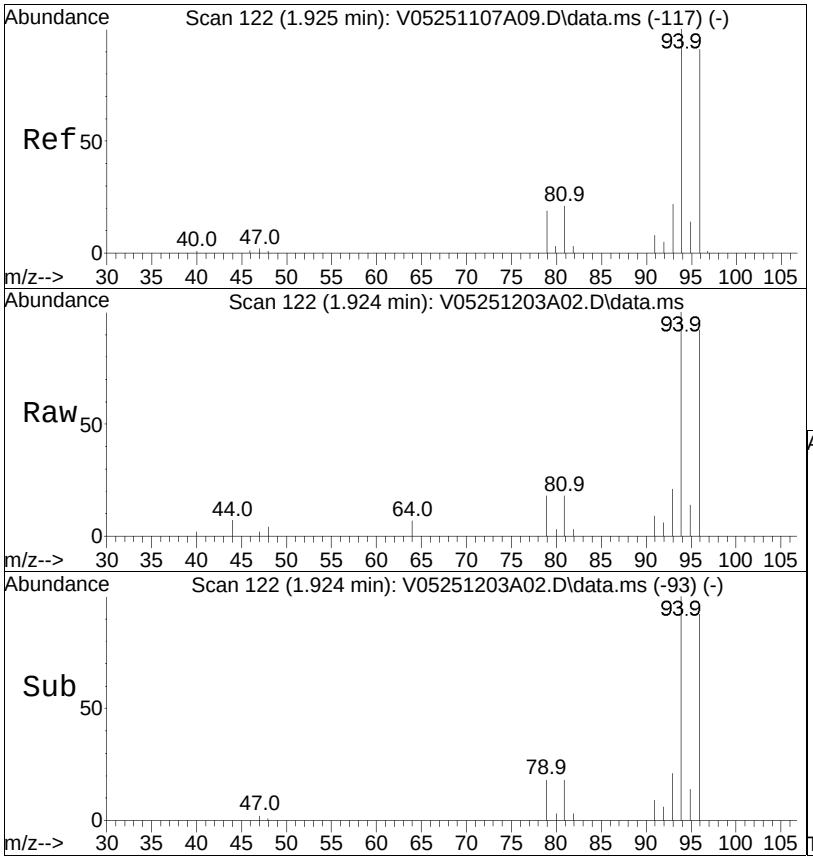


#4
Vinyl chloride
Concen: 6.62 ug/L
RT: 1.657 min Scan# 83
Delta R.T. -0.000 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 62 Resp: 84925

Ion	Ratio	Lower	Upper
62	100		
64	31.4	9.9	49.9

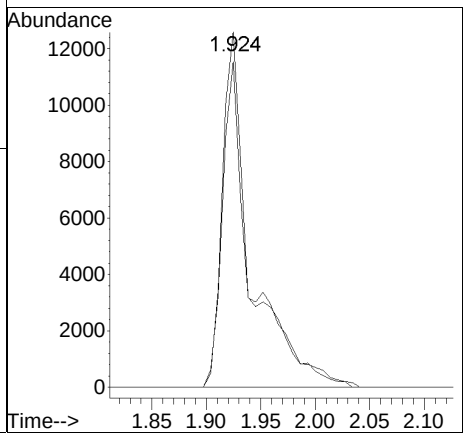


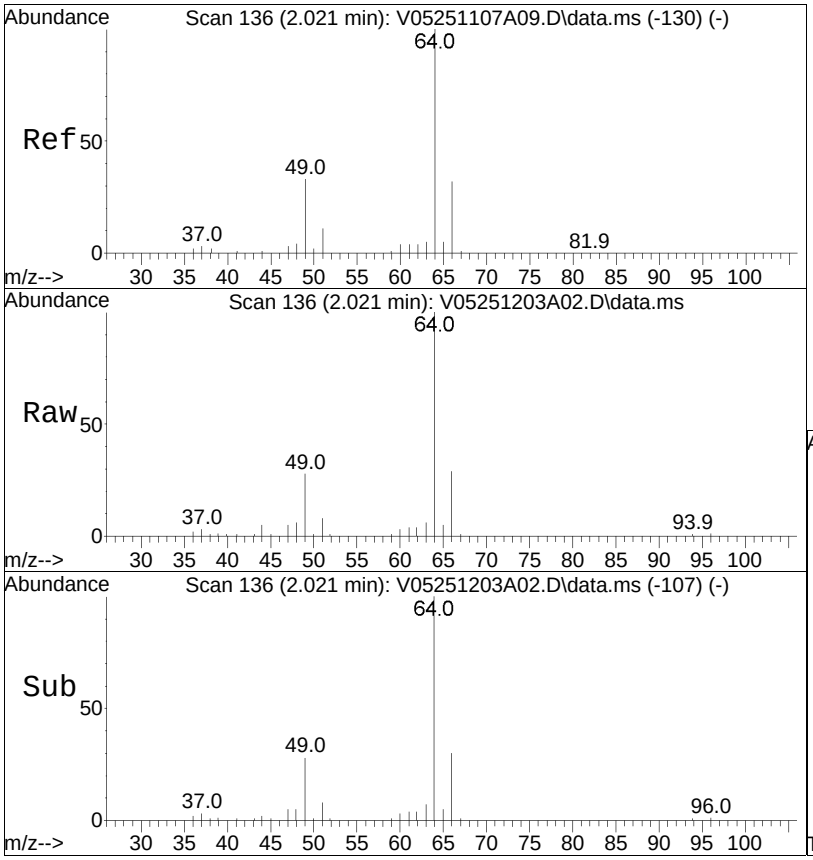


#5
Bromomethane
Concen: 4.94 ug/L
RT: 1.924 min Scan# 122
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 94 Resp: 23158

Ion	Ratio	Lower	Upper
94	100		
96	92.7	73.9	113.9

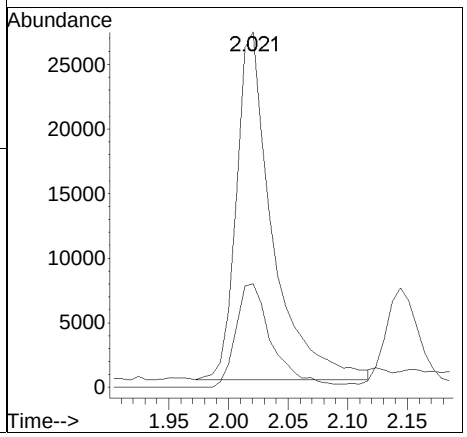


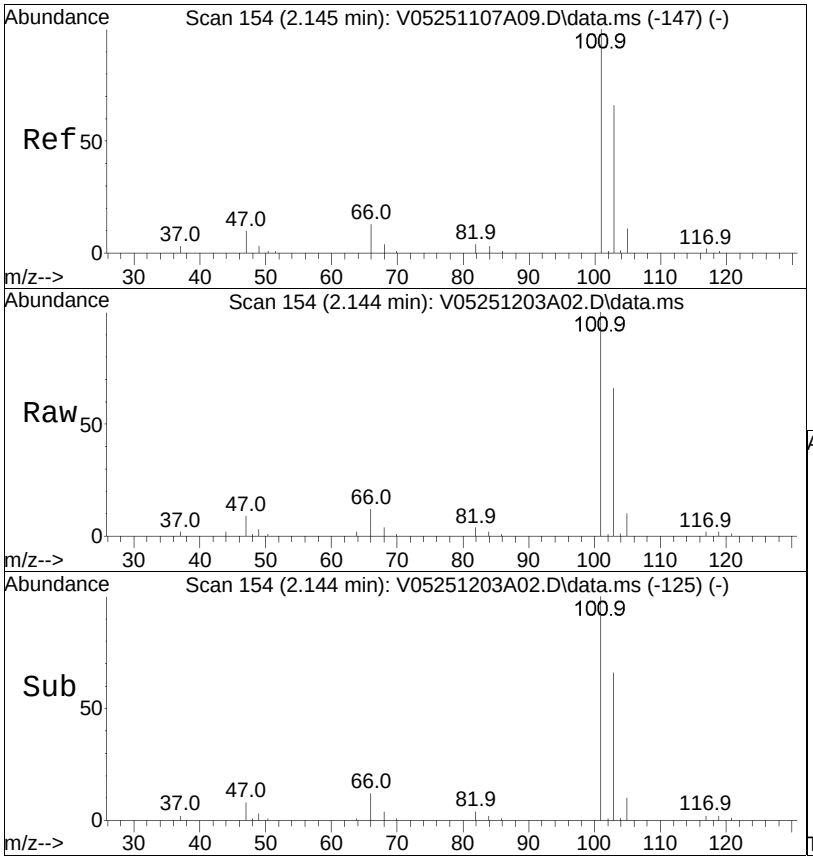


#6
Chloroethane
Concen: 7.75 ug/L
RT: 2.021 min Scan# 136
Delta R.T. -0.000 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 64 Resp: 56604

Ion	Ratio	Lower	Upper
64	100		
66	30.2	9.5	49.5

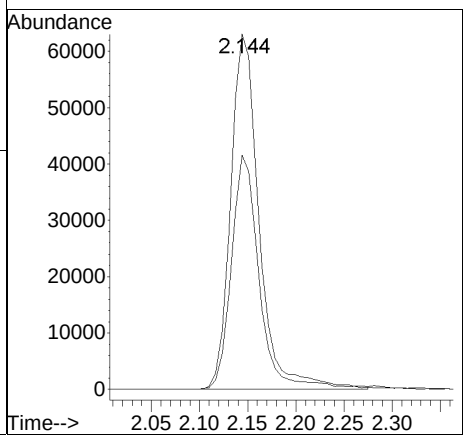


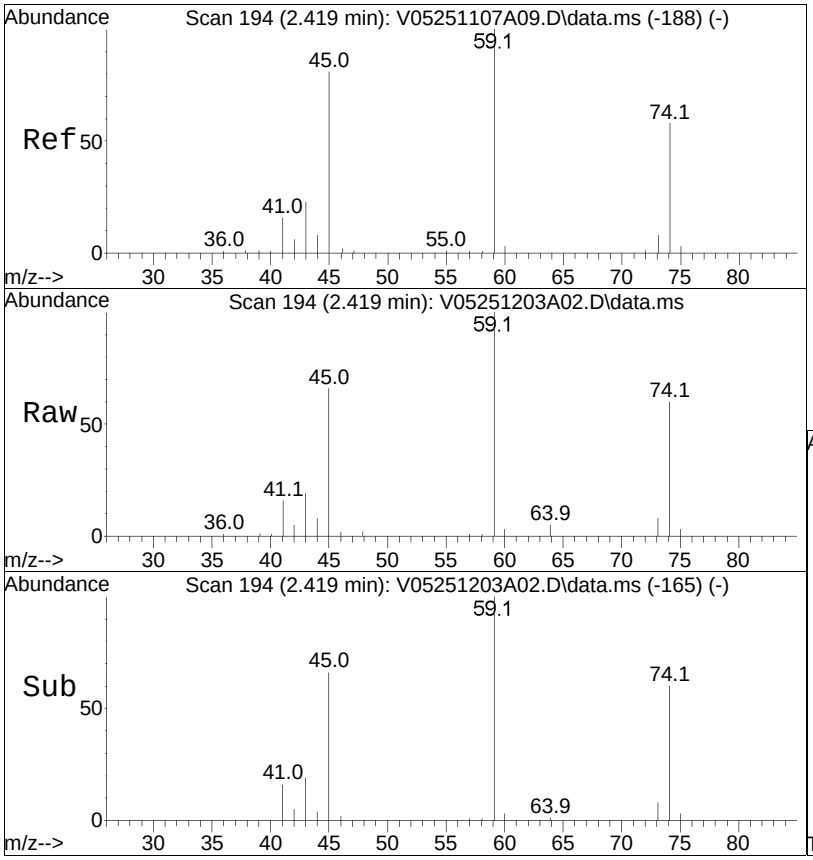


#7
Trichlorofluoromethane
Concen: 8.39 ug/L
RT: 2.144 min Scan# 154
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:101 Resp: 129961

Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.8	77.8

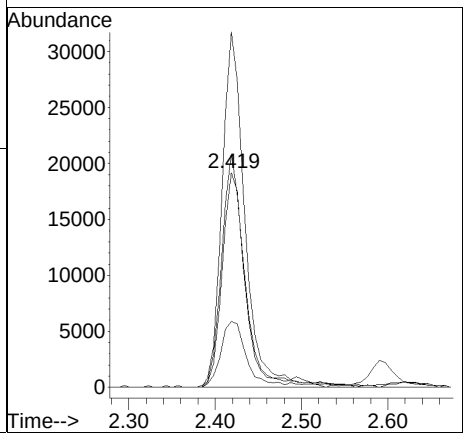


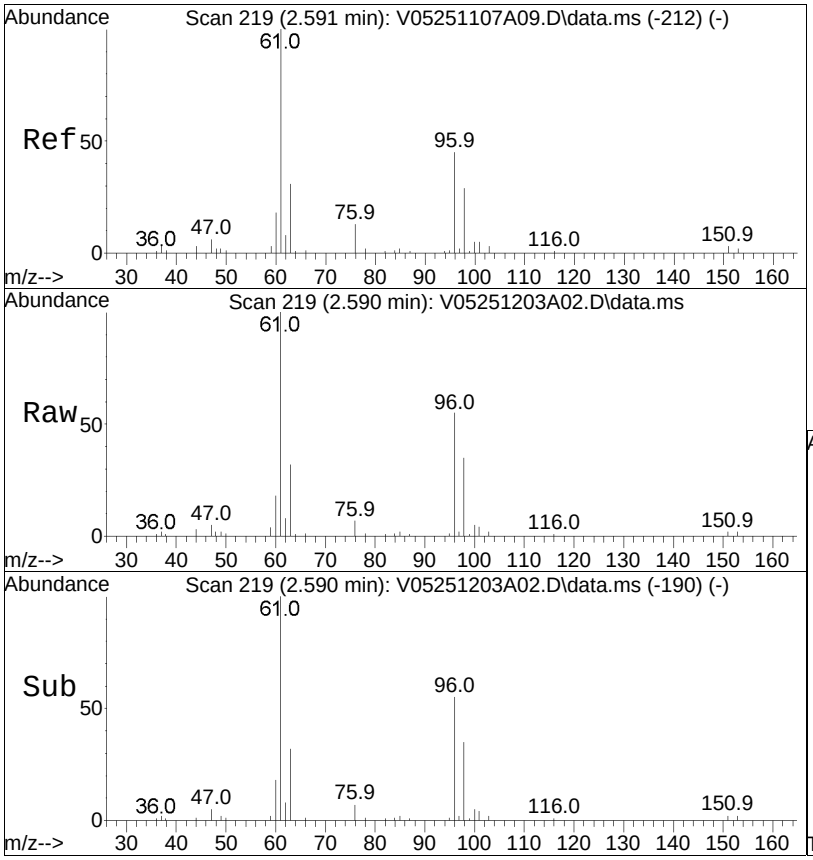


#8
Ethyl ether
Concen: 8.99 ug/L
RT: 2.419 min Scan# 194
Delta R.T. -0.000 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 74 Resp: 36541

Ion	Ratio	Lower	Upper
74	100		
59	162.8	117.1	243.3
45	109.1	93.2	193.6
43	33.4	26.5	55.1

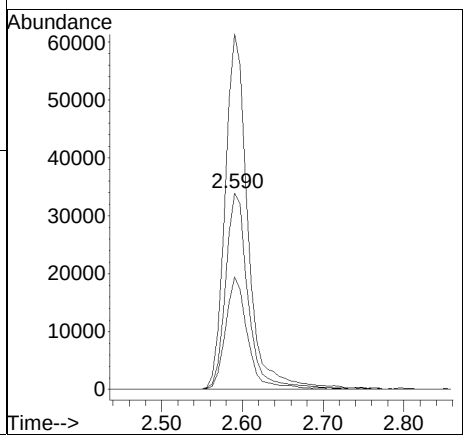


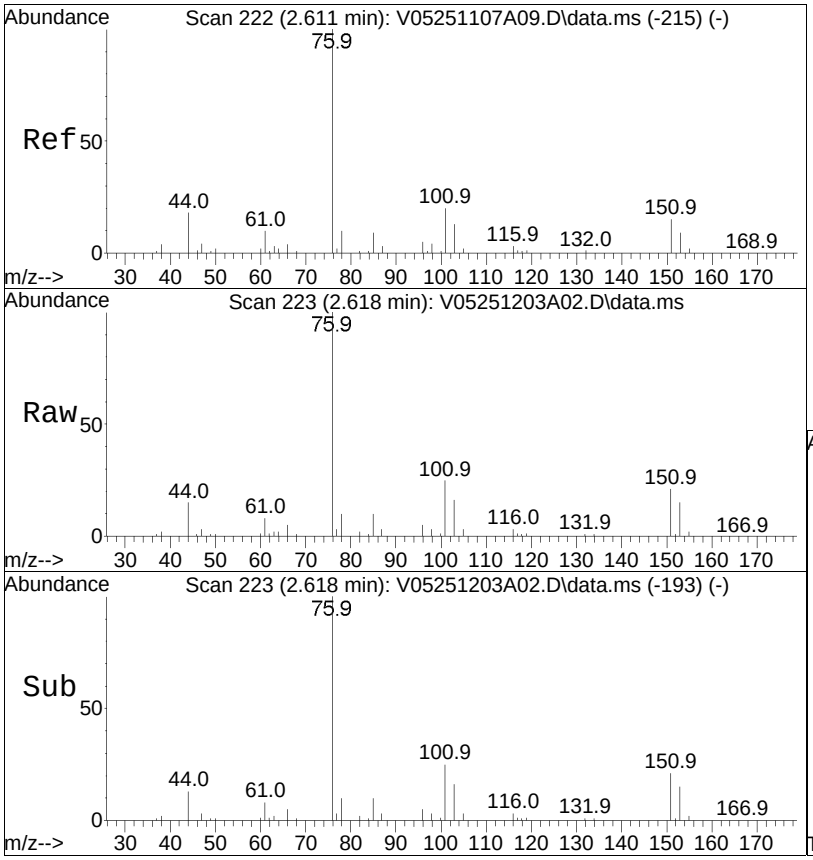


#10
1,1-Dichloroethene
Concen: 8.86 ug/L
RT: 2.590 min Scan# 219
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 96 Resp: 66714

Ion	Ratio	Lower	Upper
96	100		
61	181.2	177.5	266.3
63	56.0	53.4	80.2

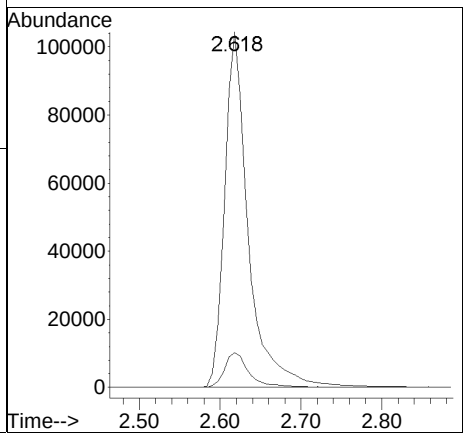


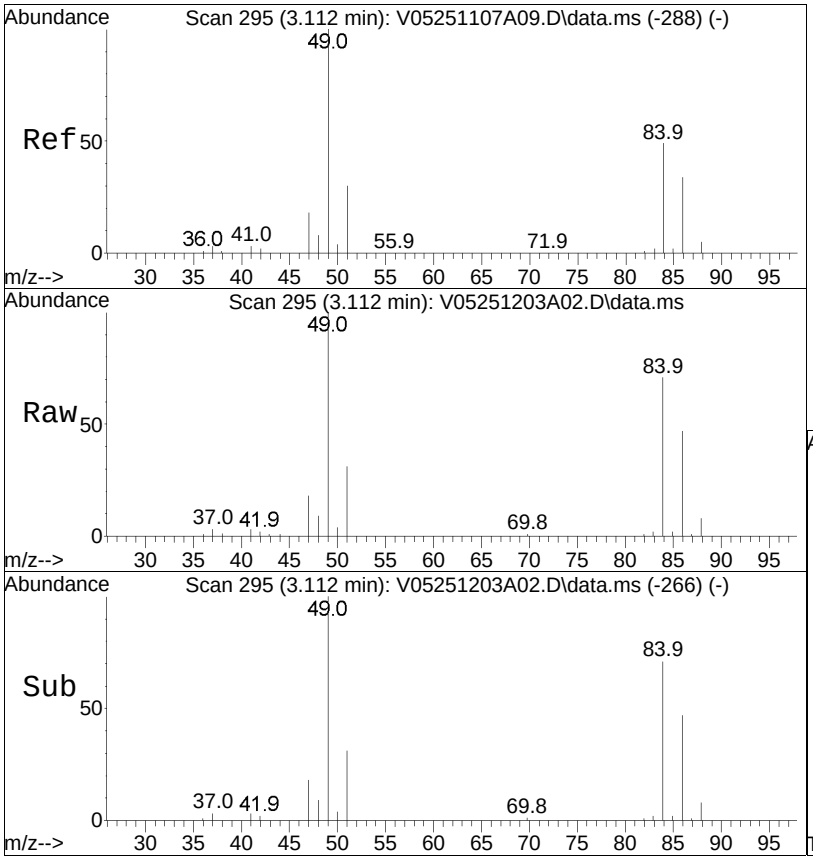


#11
Carbon disulfide
Concen: 8.11 ug/L
RT: 2.618 min Scan# 223
Delta R.T. 0.007 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 76 Resp: 213631

Ion	Ratio	Lower	Upper
76	100		
78	10.1	6.8	14.0

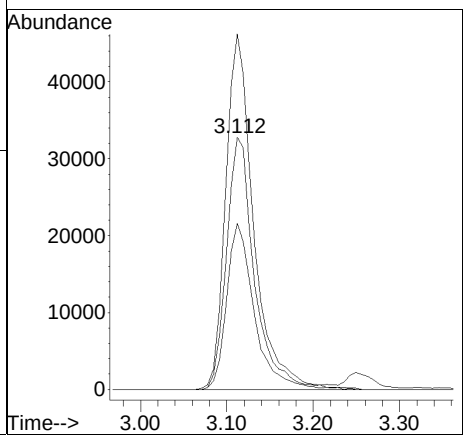


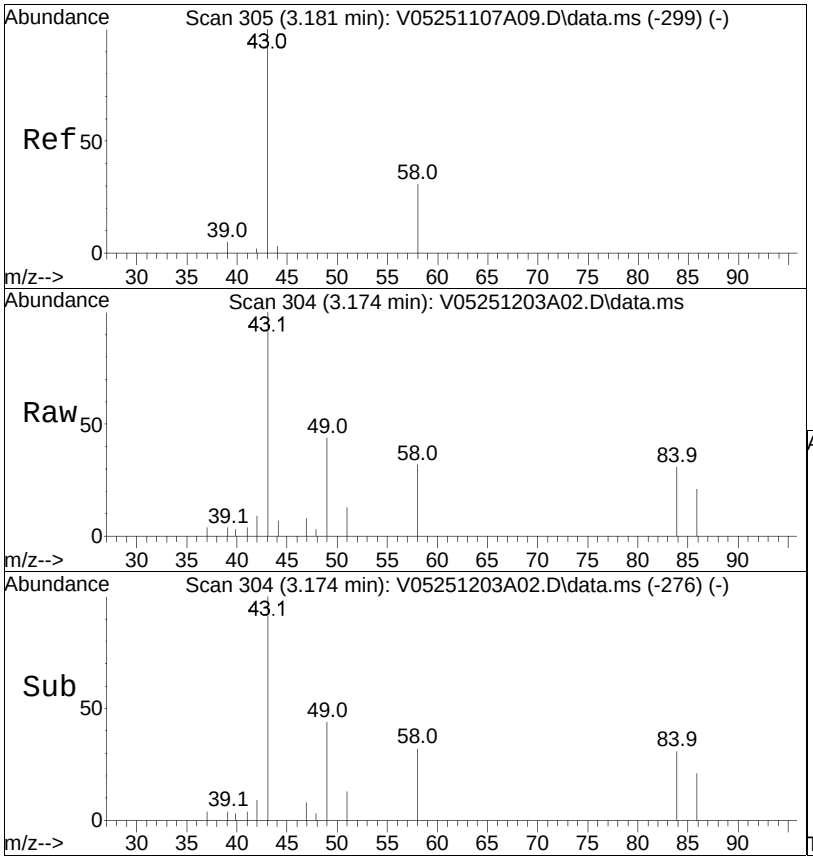


#15
Methylene chloride
Concen: 8.07 ug/L
RT: 3.112 min Scan# 295
Delta R.T. -0.000 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 84 Resp: 74011

Ion	Ratio	Lower	Upper
84	100		
86	65.0	43.6	90.5
49	140.3	129.2	268.4

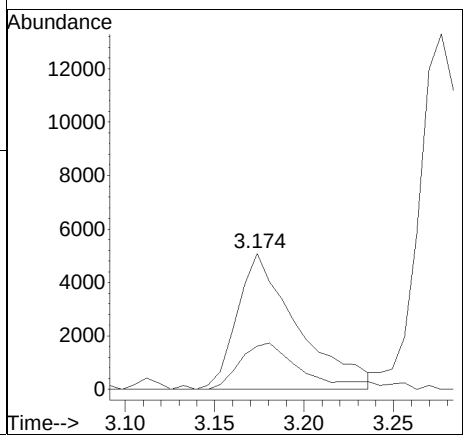


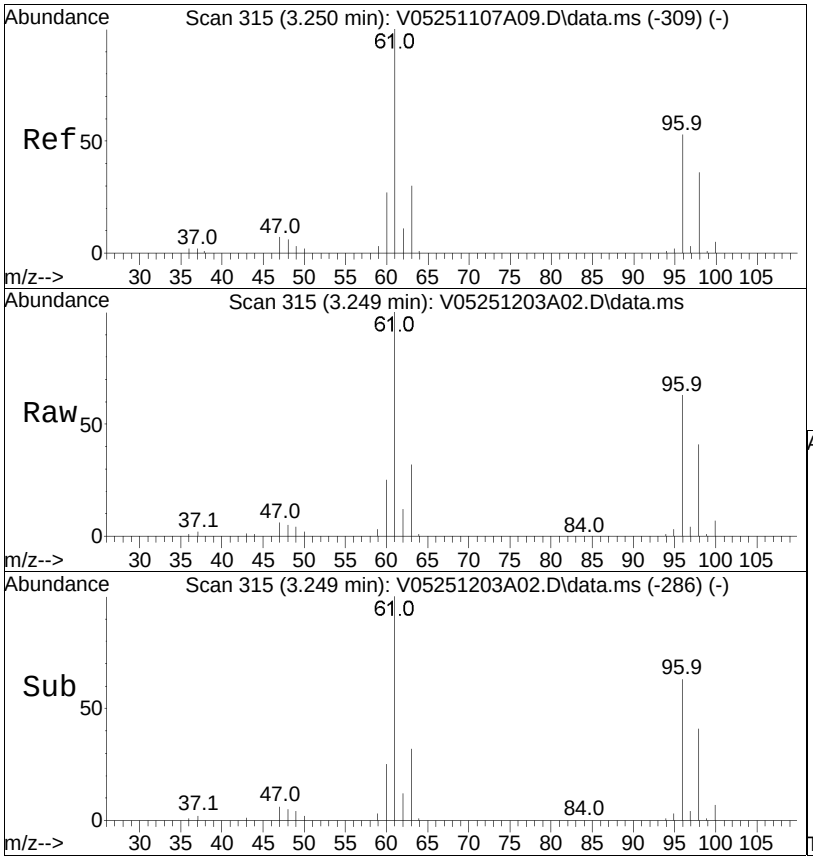


#17
Acetone
Concen: 6.27 ug/L
RT: 3.174 min Scan# 304
Delta R.T. -0.007 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 43 Resp: 11972

Ion	Ratio	Lower	Upper
43	100		
58	37.0	24.9	37.3

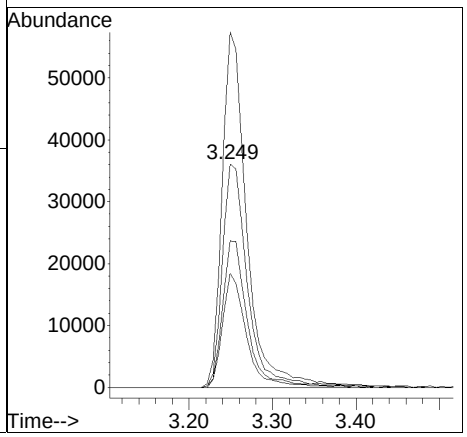


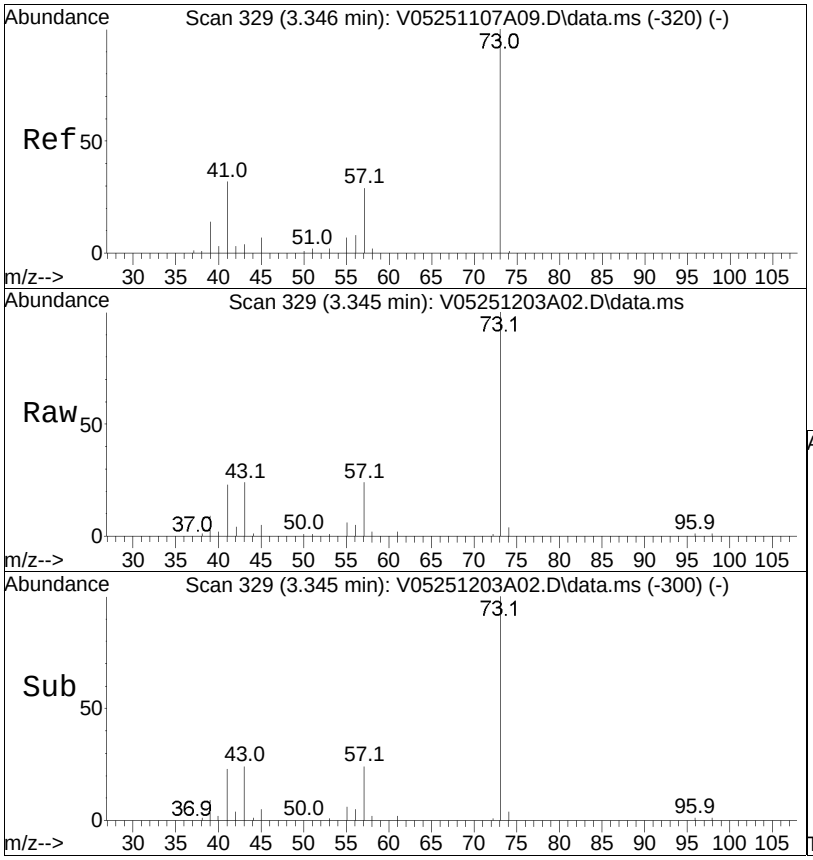


#18
trans-1,2-Dichloroethene
Concen: 8.48 ug/L
RT: 3.249 min Scan# 315
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 96 Resp: 76768

Ion	Ratio	Lower	Upper
96	100		
61	155.0	118.7	246.5
98	64.6	41.9	87.1
63	48.1	35.9	74.5

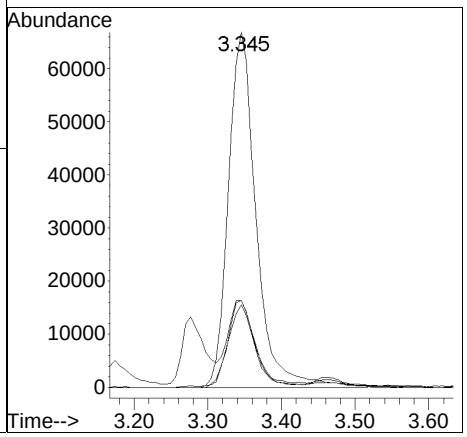


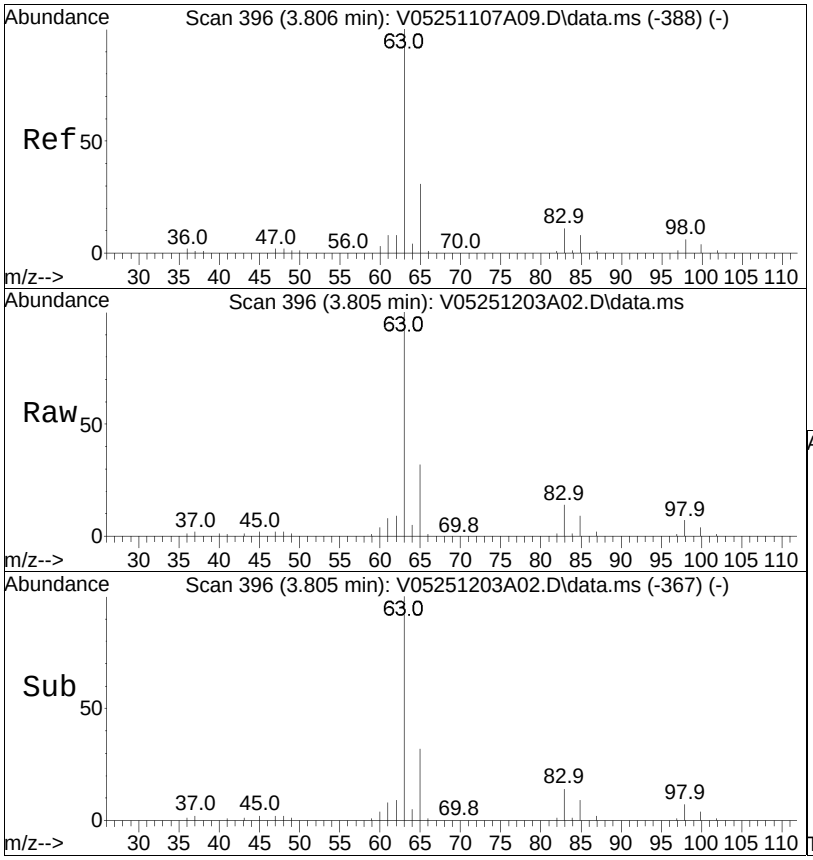


#20
Methyl tert-butyl ether
Concen: 8.83 ug/L
RT: 3.345 min Scan# 329
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 73 Resp: 176228

Ion	Ratio	Lower	Upper
73	100		
57	23.9	18.7	38.9
43	23.4	18.8	39.0
41	21.6	21.3	44.1

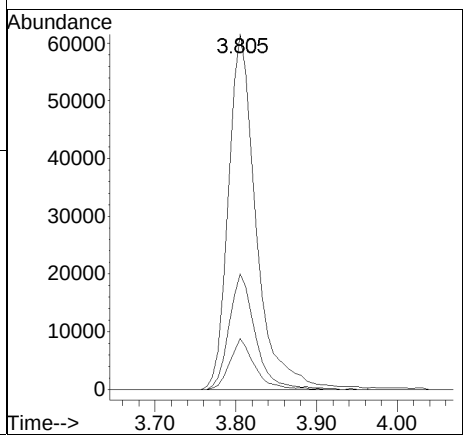


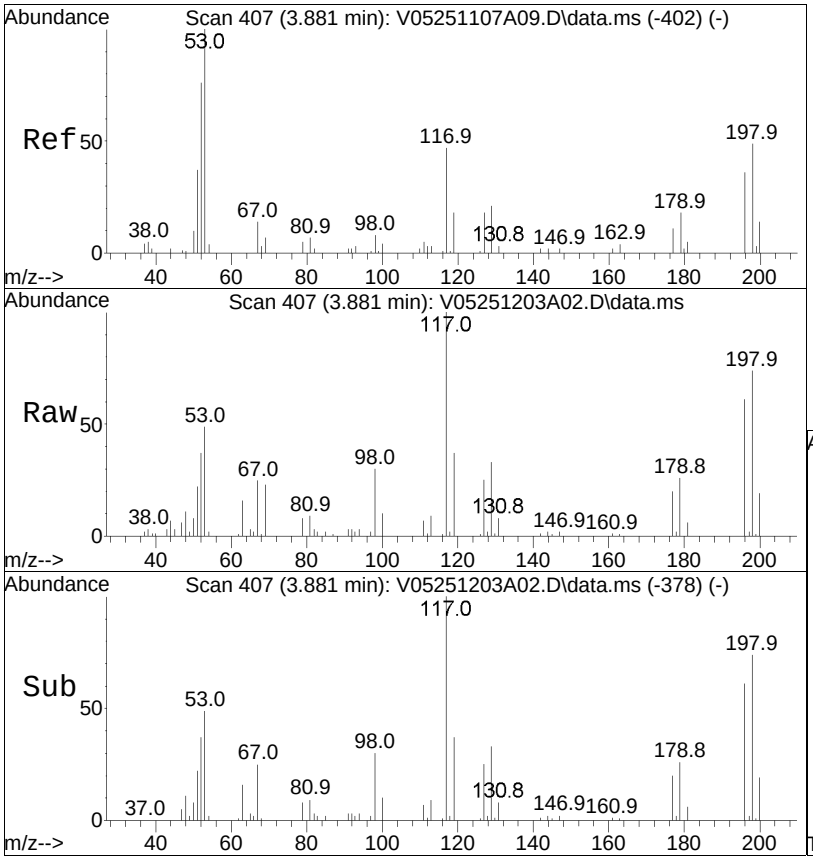


#23
1,1-Dichloroethane
Concen: 7.24 ug/L
RT: 3.805 min Scan# 396
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 63 Resp: 147795

Ion	Ratio	Lower	Upper
63	100		
65	30.5	9.4	49.4
83	12.6	0.0	30.9

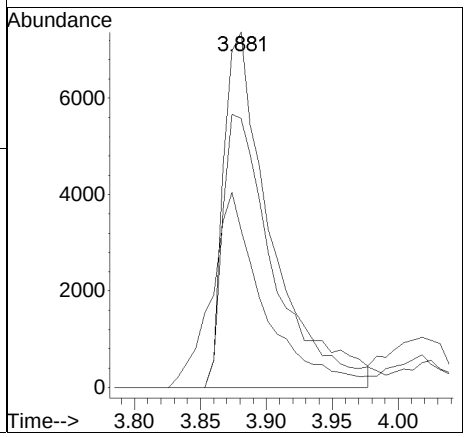


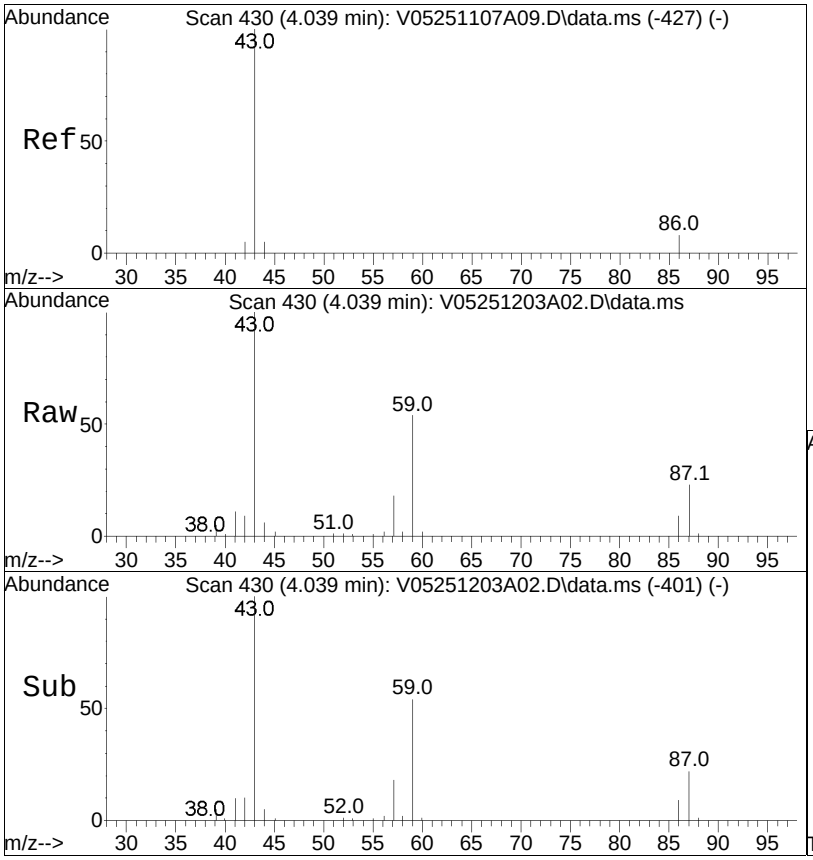


#25
Acrylonitrile
Concen: 7.17 ug/L
RT: 3.881 min Scan# 407
Delta R.T. -0.000 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 53 Resp: 18704

Ion	Ratio	Lower	Upper
53	100		
52	83.0	64.6	96.8
51	59.7	51.3	76.9

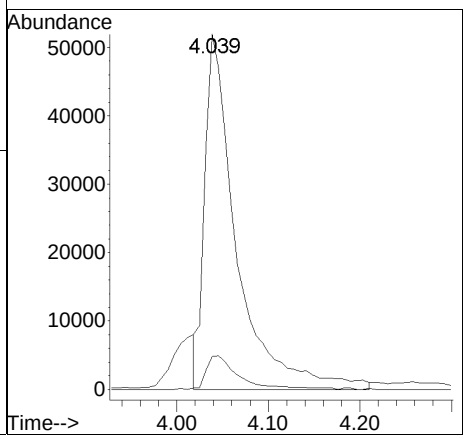


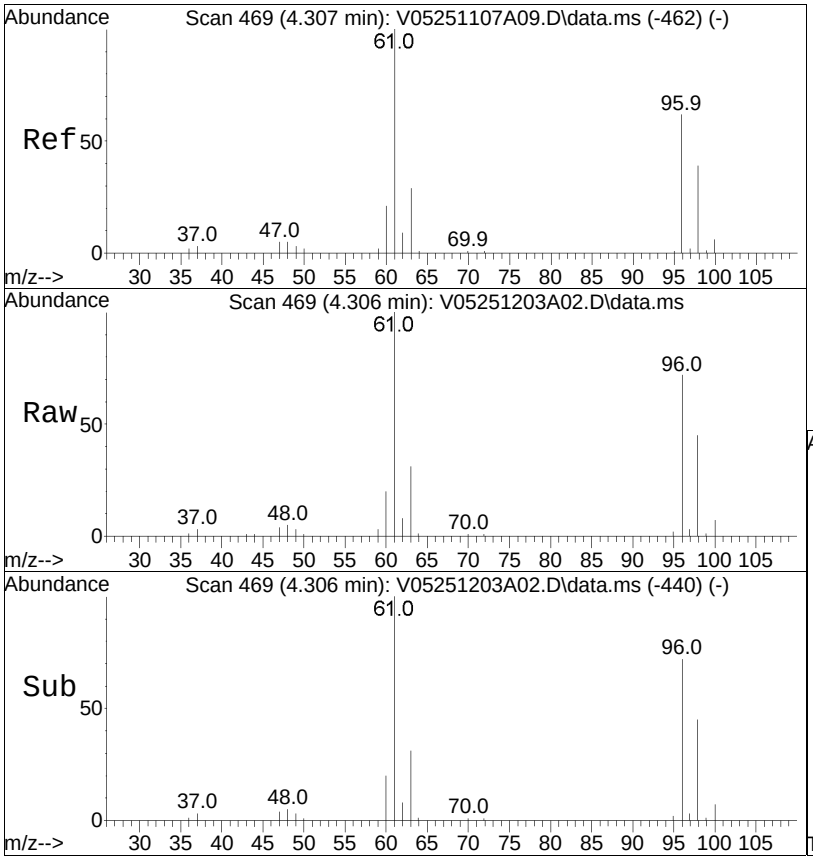


#27
Vinyl acetate
Concen: 6.31 ug/L M6
RT: 4.039 min Scan# 430
Delta R.T. -0.000 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 43 Resp: 125941

Ion	Ratio	Lower	Upper
43	100		
86	9.7	5.4	8.2#

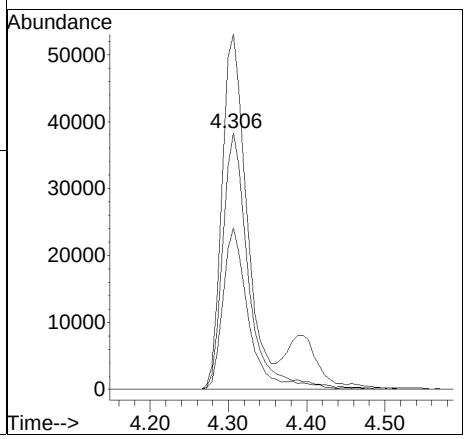


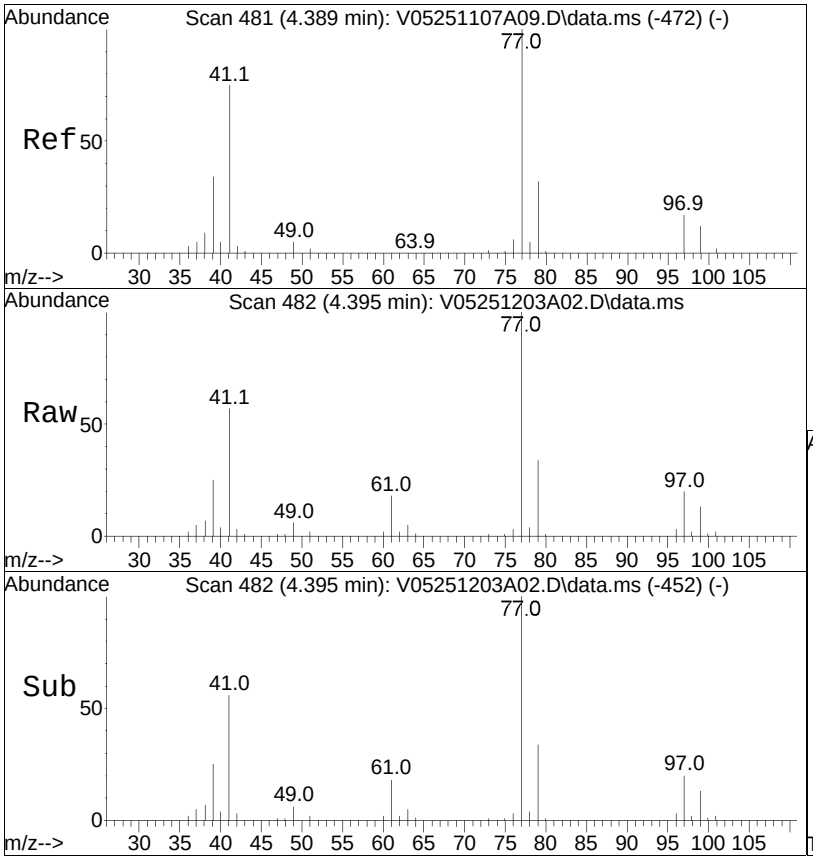


#28
cis-1,2-Dichloroethene
Concen: 8.72 ug/L
RT: 4.306 min Scan# 469
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 96 Resp: 88489

Ion	Ratio	Lower	Upper
96	100		
61	130.2	122.5	183.7
98	62.5	50.2	75.4

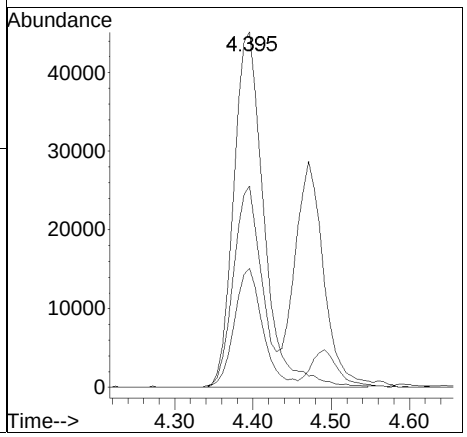


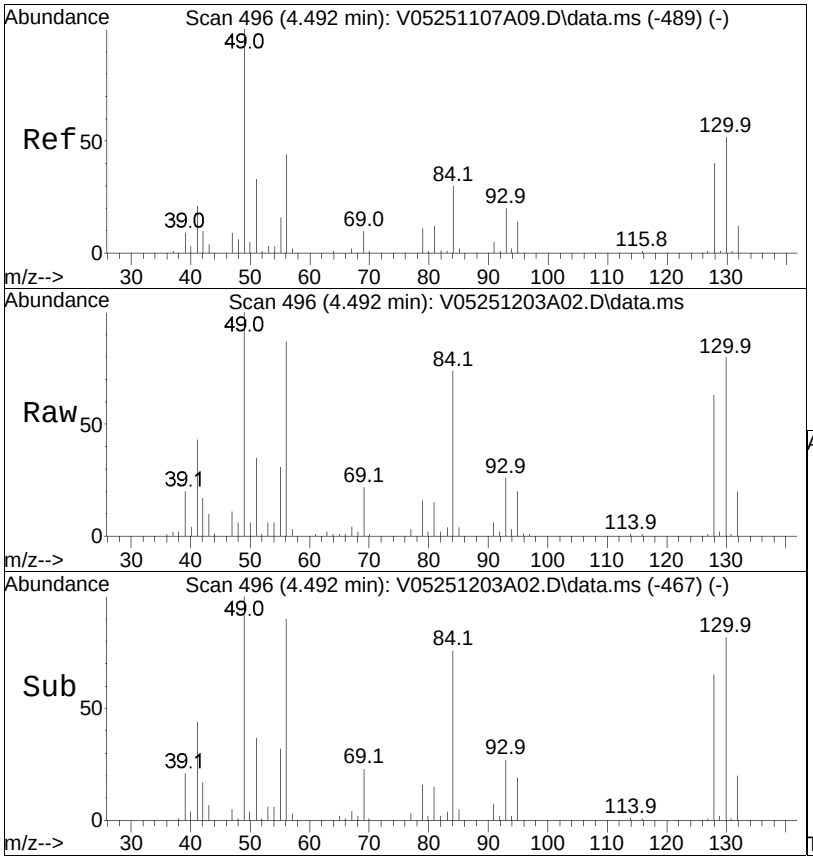


#29
2,2-Dichloropropane
Concen: 8.55 ug/L
RT: 4.395 min Scan# 482
Delta R.T. 0.006 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 77 Resp: 121422

Ion	Ratio	Lower	Upper
77	100		
41	52.5	43.7	90.9
79	31.7	20.0	41.6

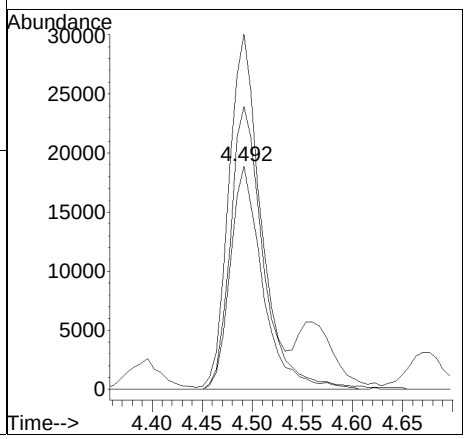


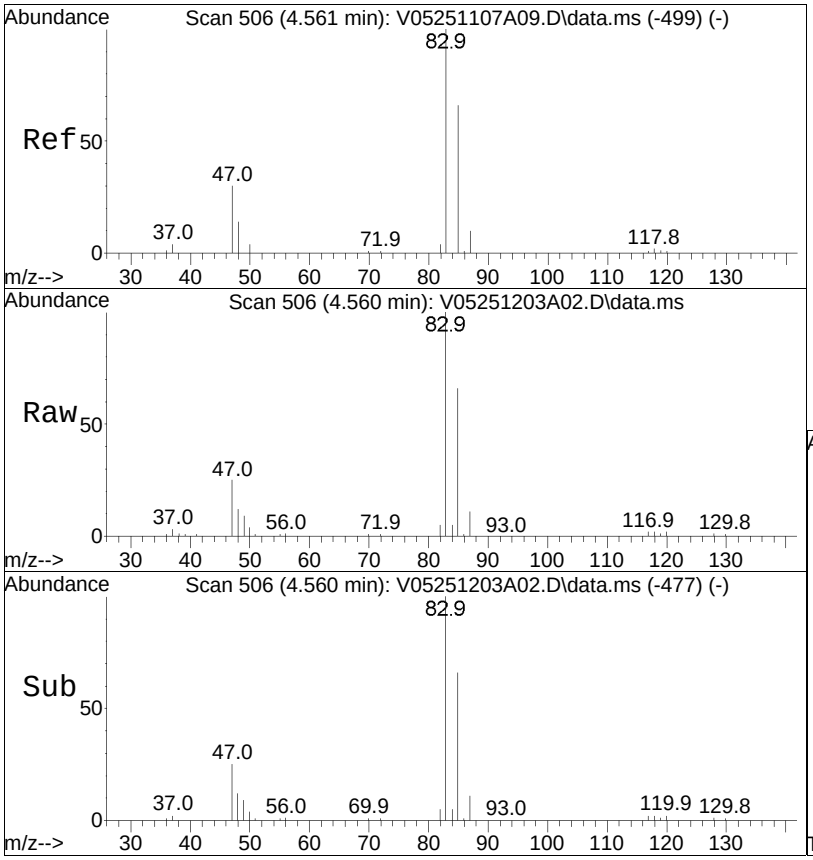


#30
Bromochloromethane
Concen: 9.98 ug/L
RT: 4.492 min Scan# 496
Delta R.T. -0.000 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:128 Resp: 42757

Ion	Ratio	Lower	Upper
128	100		
49	150.5	192.5	288.7#
130	129.0	103.4	155.0

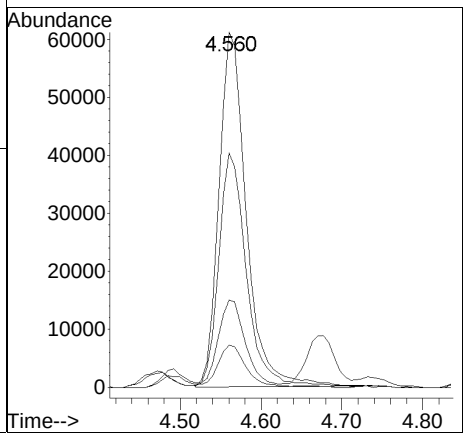


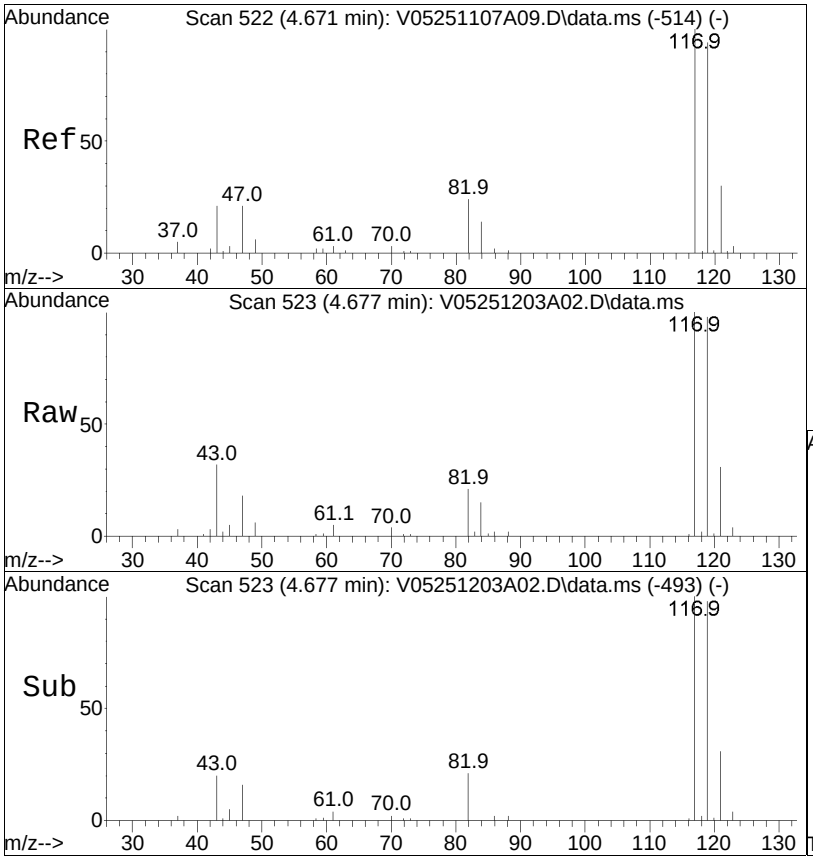


#32
Chloroform
Concen: 8.17 ug/L
RT: 4.560 min Scan# 506
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 83 Resp: 144133

Ion	Ratio	Lower	Upper
83	100		
85	66.4	42.7	88.7
47	22.6	18.5	38.3
48	11.5	10.1	20.9

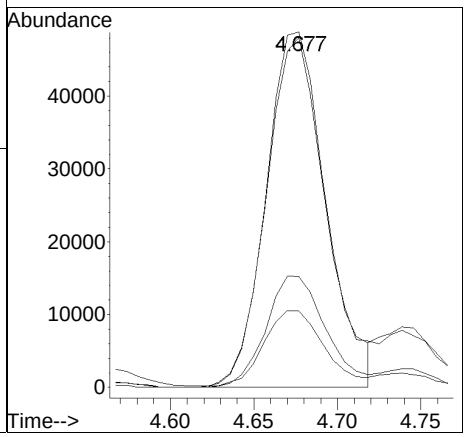


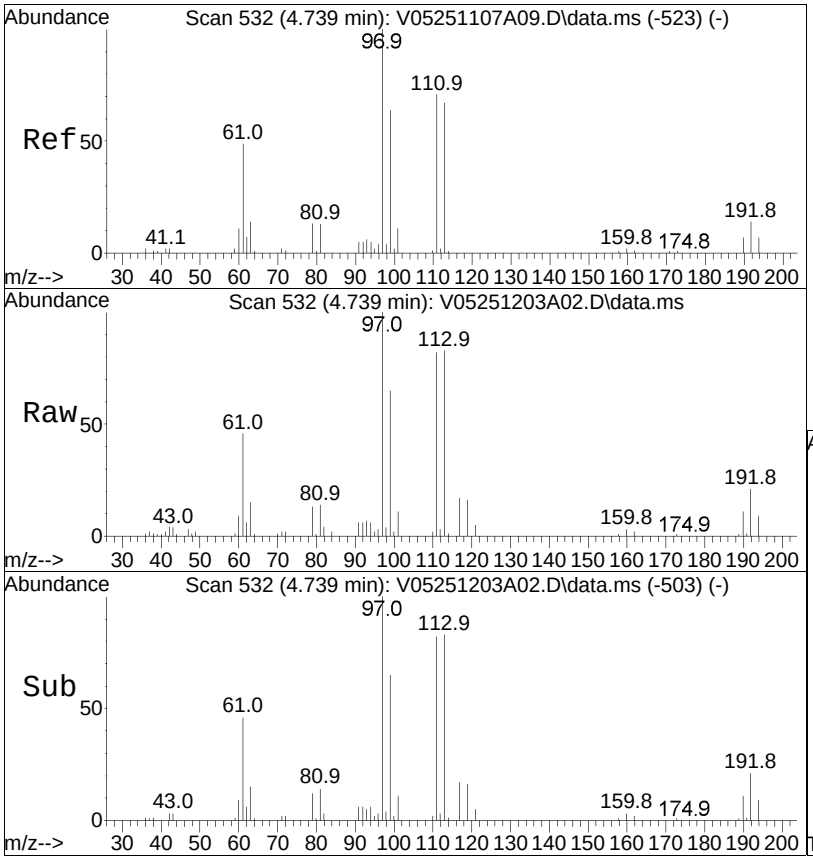


#34
Carbon tetrachloride
Concen: 8.40 ug/L
RT: 4.677 min Scan# 523
Delta R.T. 0.006 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:117 Resp: 122020

Ion	Ratio	Lower	Upper
117	100		
119	99.3	63.1	131.1
121	31.3	20.4	42.4
82	22.1	15.2	31.6

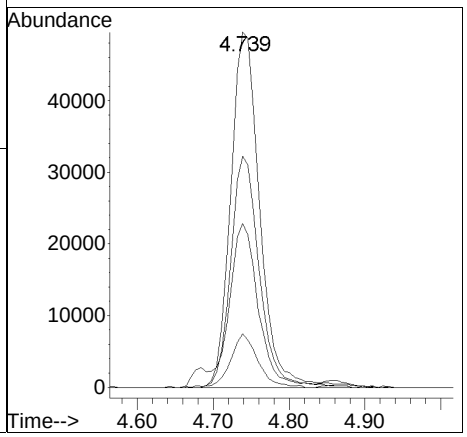


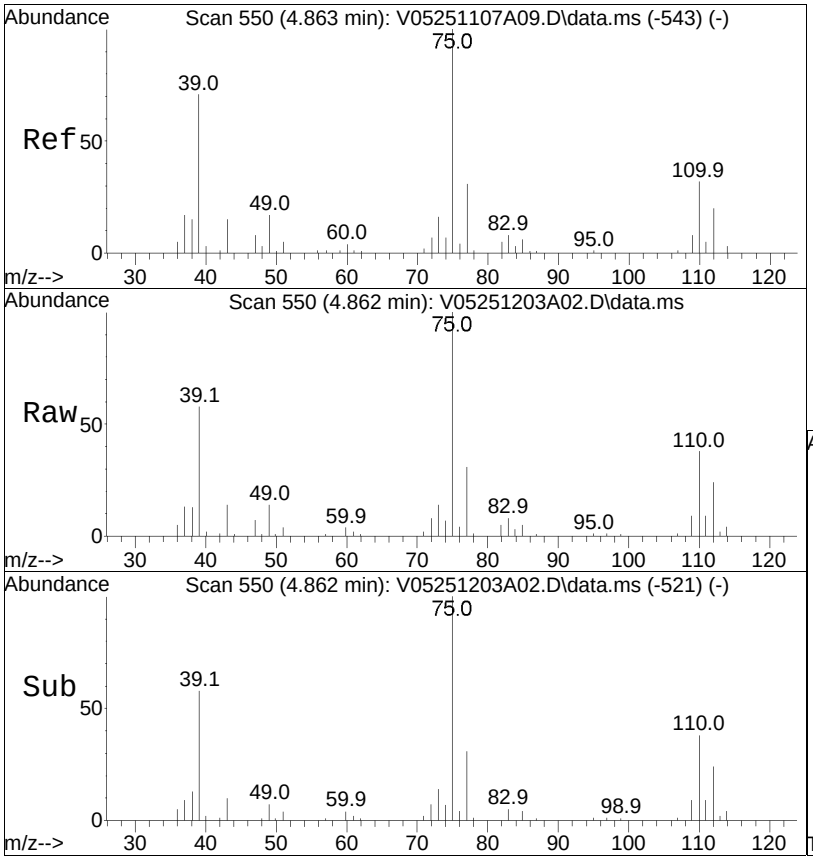


#37
1,1,1-Trichloroethane
Concen: 8.50 ug/L
RT: 4.739 min Scan# 532
Delta R.T. -0.000 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 97 Resp: 132482

Ion	Ratio	Lower	Upper
97	100		
99	63.9	41.6	86.4
61	45.4	34.1	70.9
63	14.1	10.7	22.3

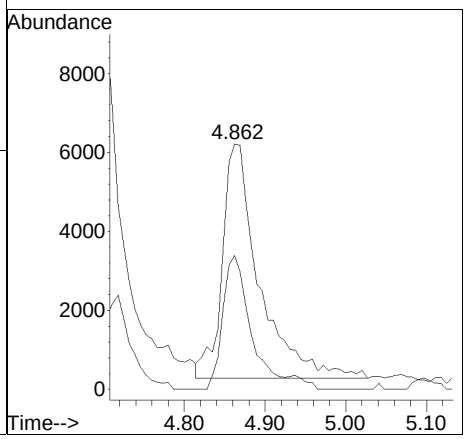


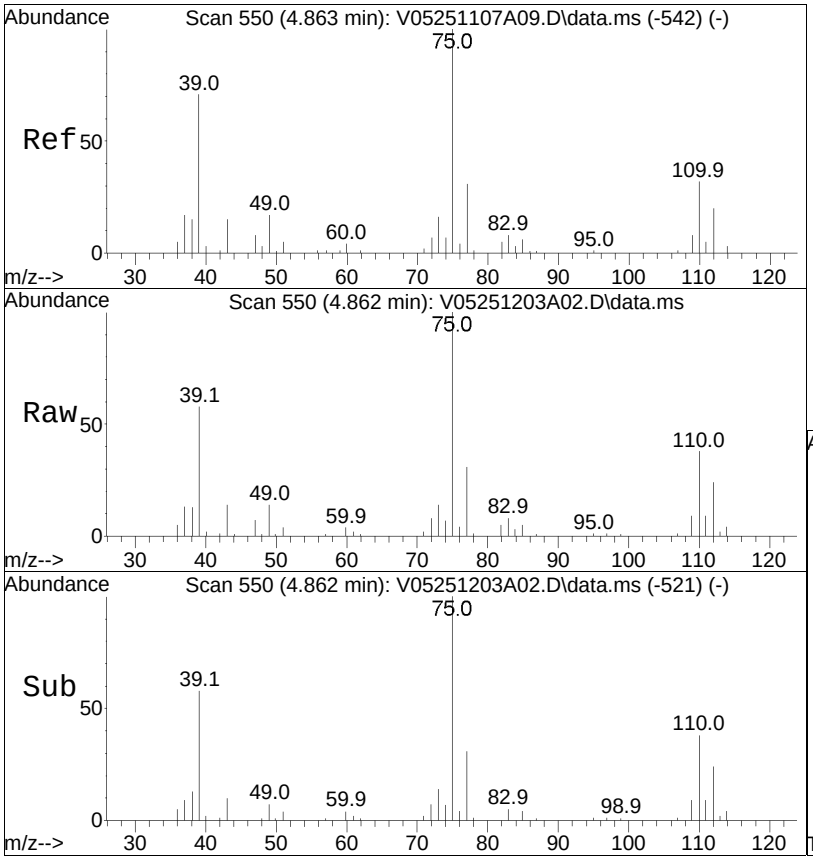


#39
2-Butanone
Concen: 6.74 ug/L
RT: 4.862 min Scan# 550
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 43 Resp: 19000

Ion	Ratio	Lower	Upper
43	100		
72	42.4	33.3	49.9

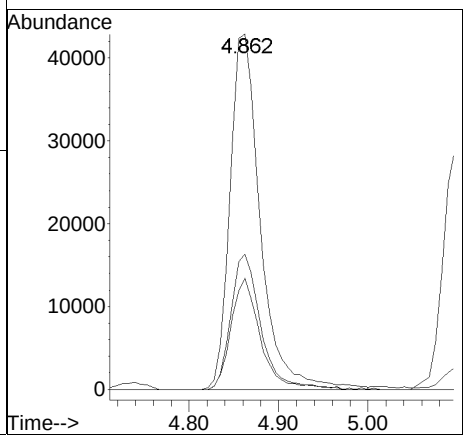


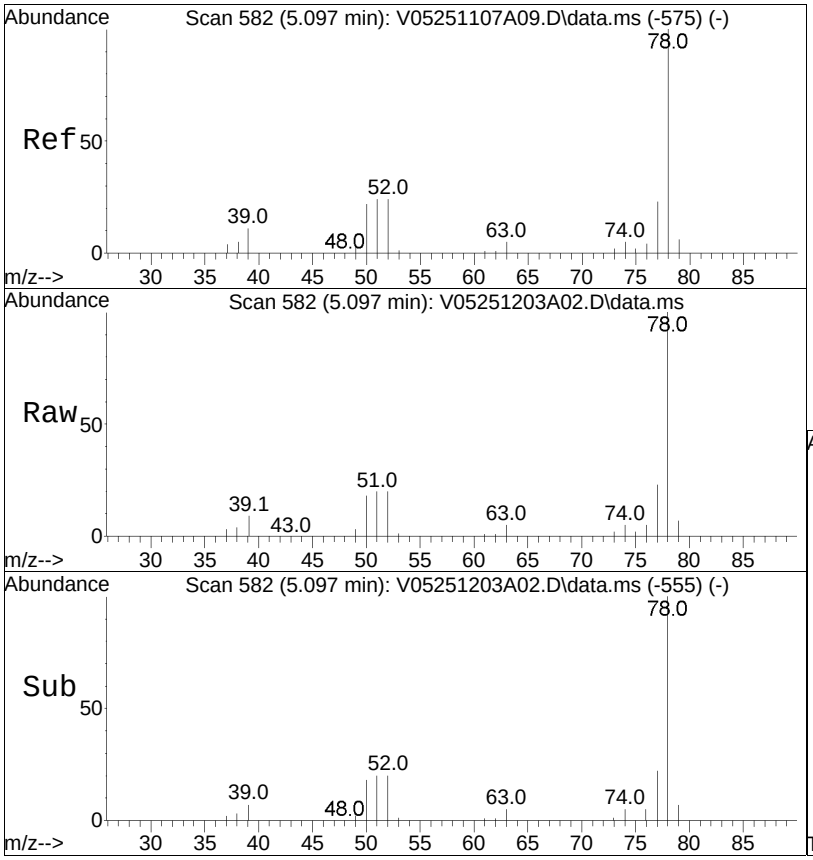


#40
1,1-Dichloropropene
Concen: 8.29 ug/L
RT: 4.862 min Scan# 550
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 75 Resp: 101543

Ion	Ratio	Lower	Upper
75	100		
110	37.4	21.7	45.1
77	30.3	20.0	41.6

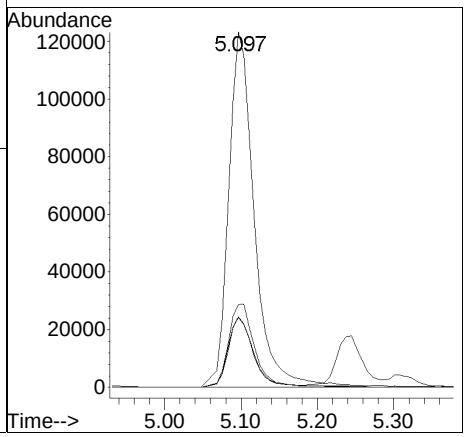


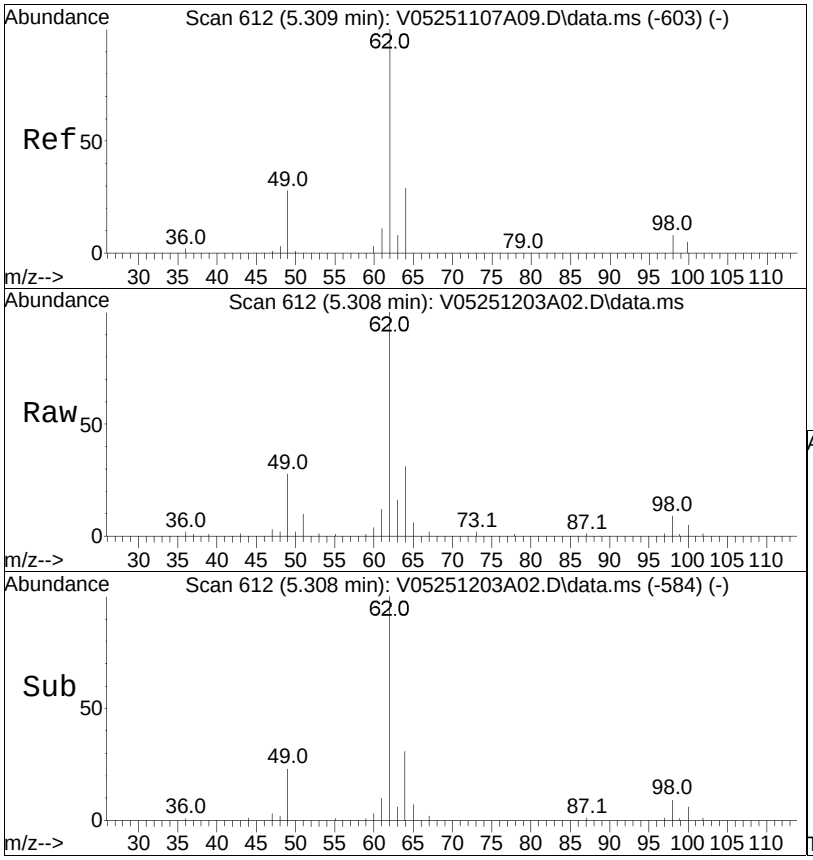


#41
Benzene
Concen: 8.08 ug/L
RT: 5.097 min Scan# 582
Delta R.T. -0.000 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 78 Resp: 305558

Ion	Ratio	Lower	Upper
78	100		
77	24.2	15.2	31.6
51	20.5	16.1	33.5
52	19.8	15.9	32.9

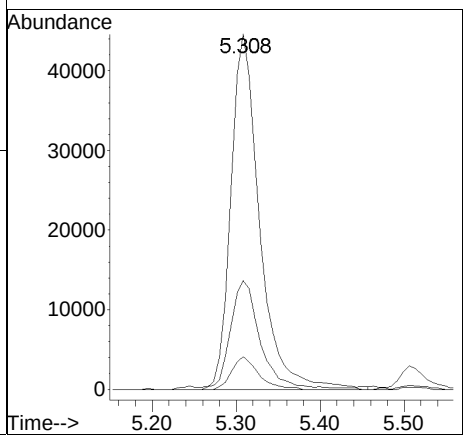


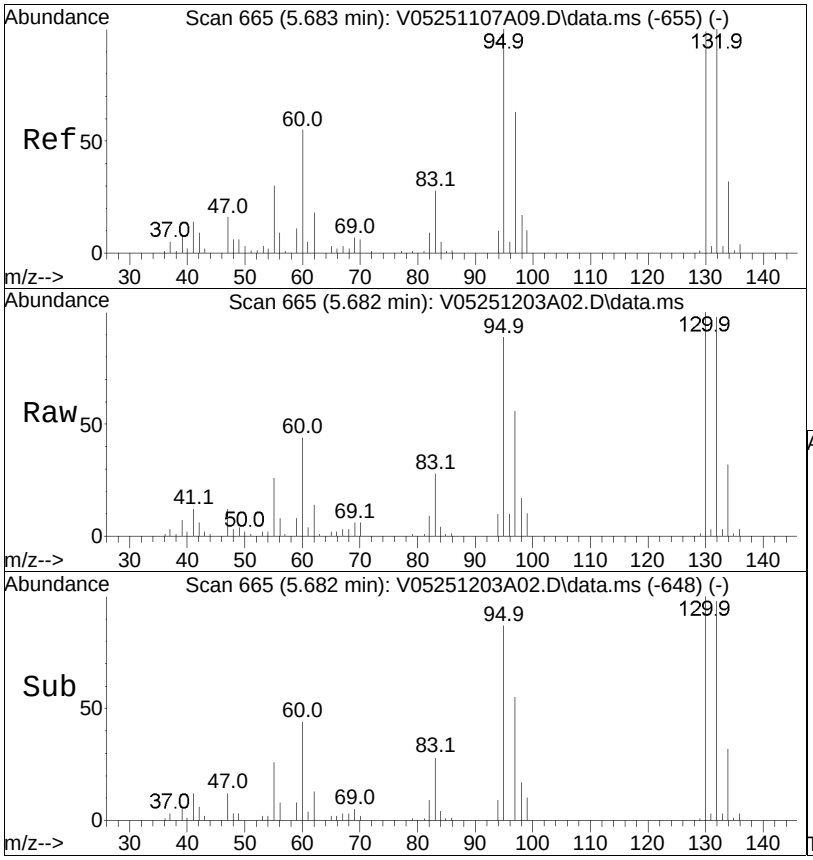


#44
1,2-Dichloroethane
Concen: 7.82 ug/L
RT: 5.308 min Scan# 612
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 62 Resp: 106221

Ion	Ratio	Lower	Upper
62	100		
64	32.0	11.9	51.9
98	8.6	0.0	27.6

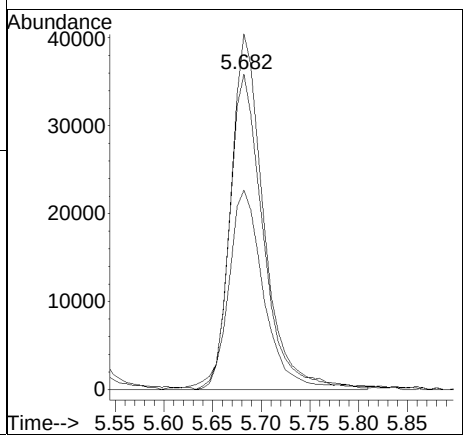


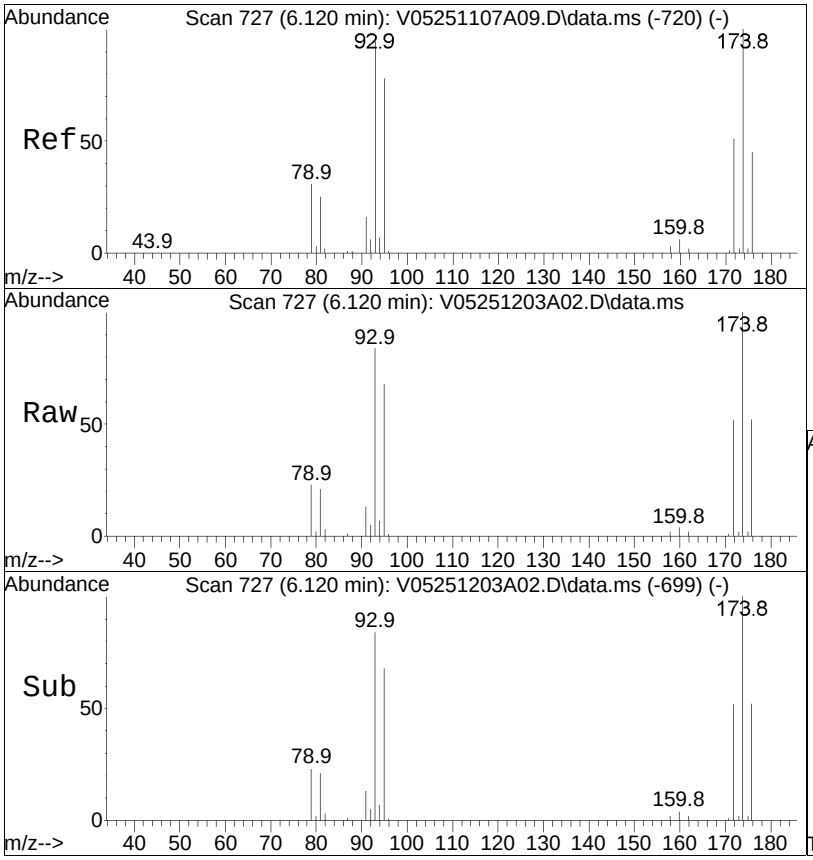


#48
Trichloroethene
Concen: 8.31 ug/L
RT: 5.682 min Scan# 665
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 95 Resp: 85769

Ion	Ratio	Lower	Upper
95	100		
97	67.4	54.4	81.6
130	111.1	82.2	123.4

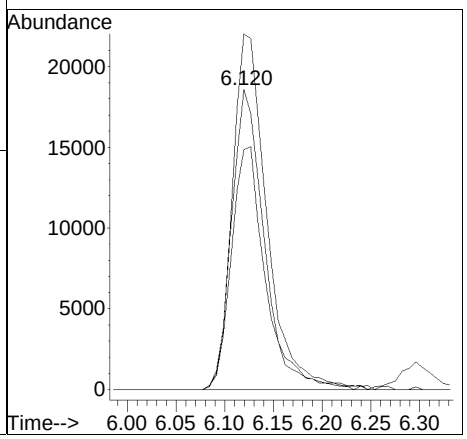


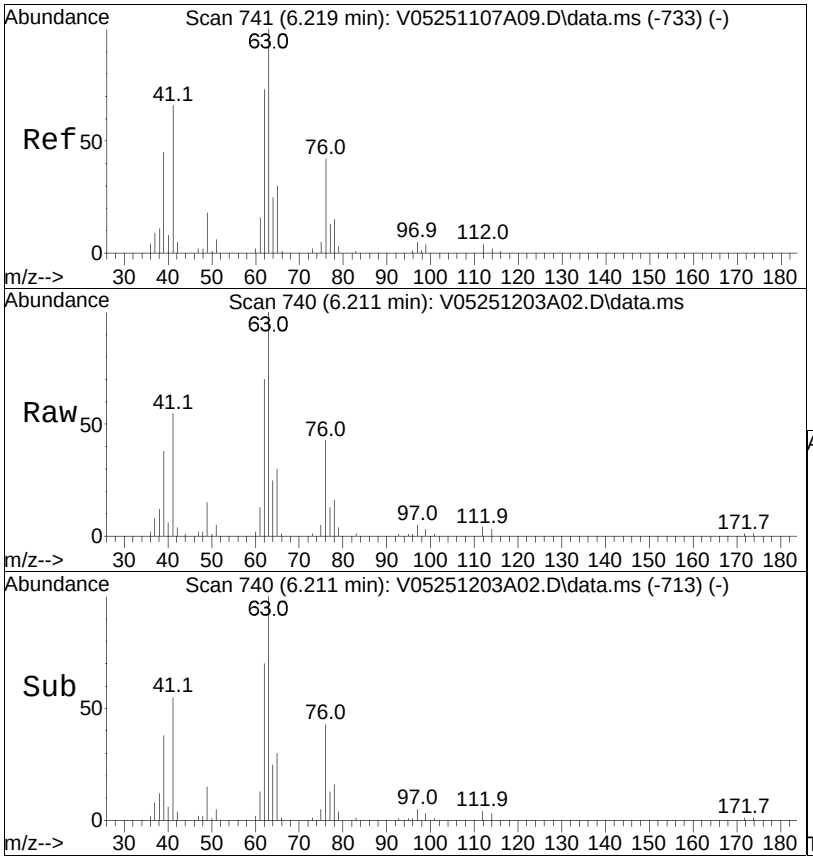


#50
Dibromomethane
Concen: 8.88 ug/L
RT: 6.120 min Scan# 727
Delta R.T. -0.000 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 93 Resp: 43818

Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.5	99.7
174	124.5	82.2	123.4#

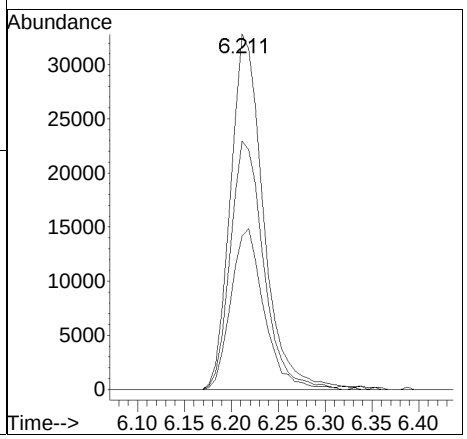


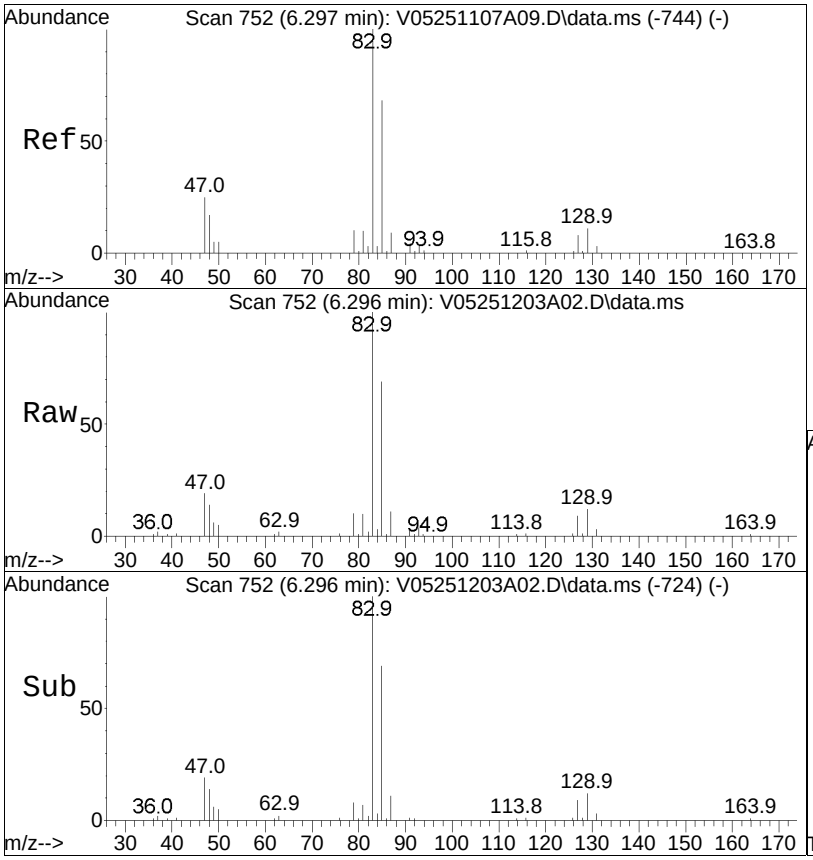


#51
1,2-Dichloropropane
Concen: 7.52 ug/L
RT: 6.211 min Scan# 740
Delta R.T. -0.008 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 63 Resp: 80609

Ion	Ratio	Lower	Upper
63	100		
62	70.5	59.0	88.6
76	45.5	32.7	49.1

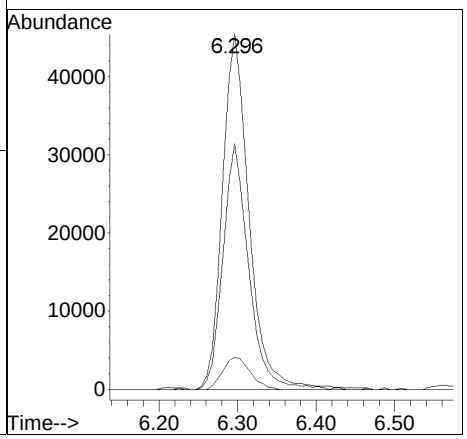


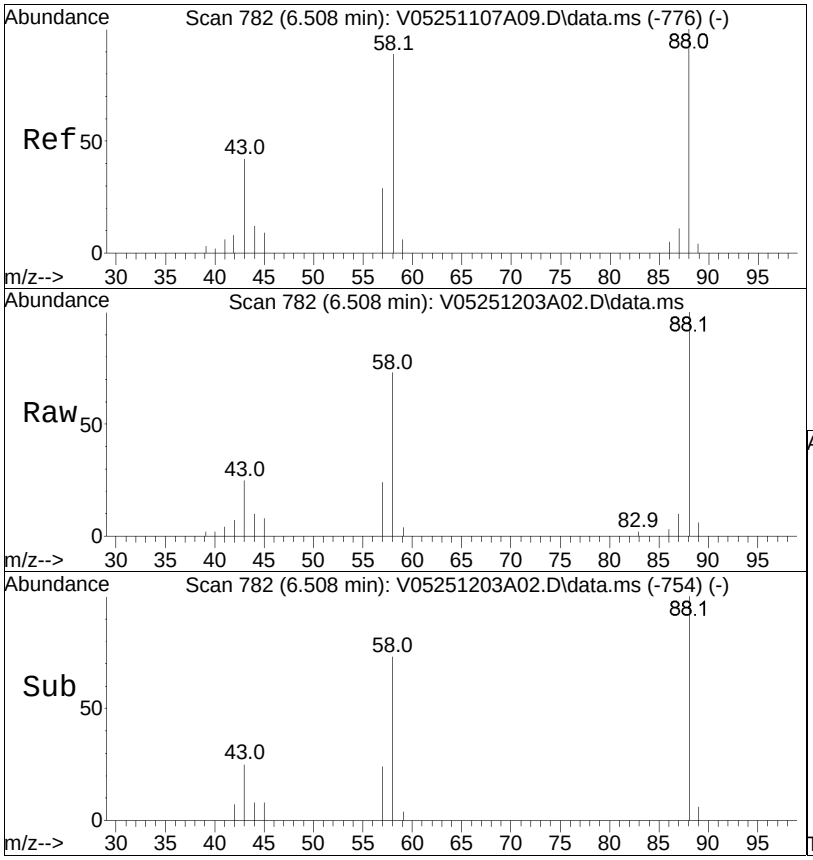


#54
Bromodichloromethane
Concen: 8.36 ug/L
RT: 6.296 min Scan# 752
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 83 Resp: 107381

Ion	Ratio	Lower	Upper
83	100		
85	66.6	53.0	79.6
127	9.3	7.0	10.4

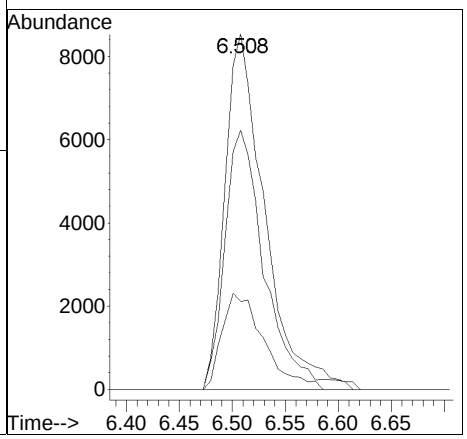


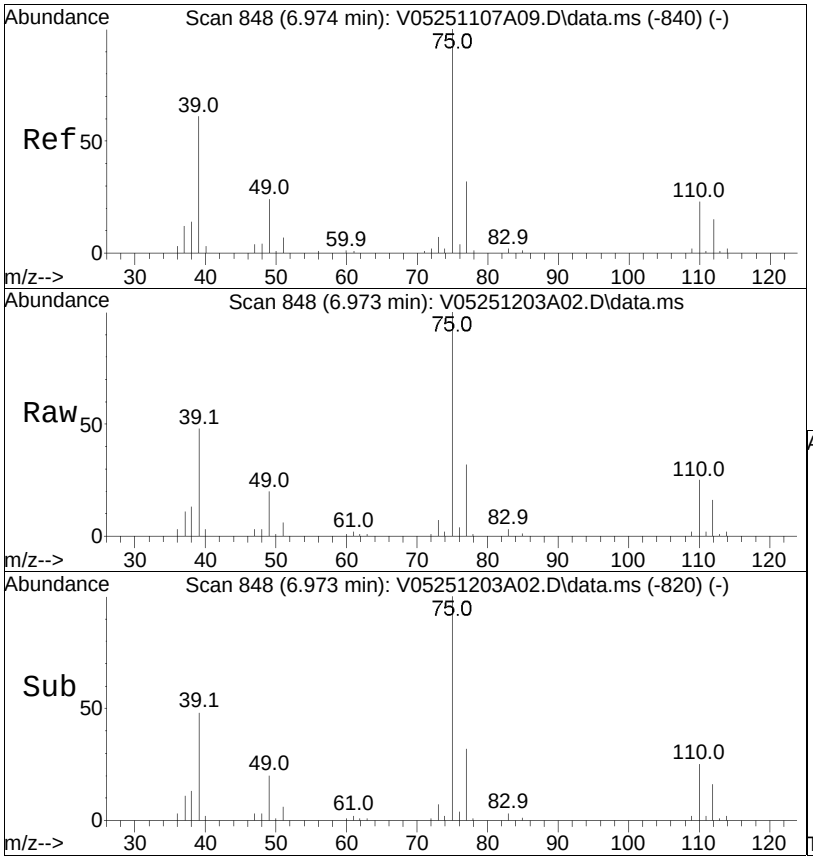


#57
1,4-Dioxane
Concen: 520.16 ug/L
RT: 6.508 min Scan# 782
Delta R.T. -0.000 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 88 Resp: 22399

Ion	Ratio	Lower	Upper
88	100		
58	73.1	73.2	109.8#
43	28.4	32.9	49.3#

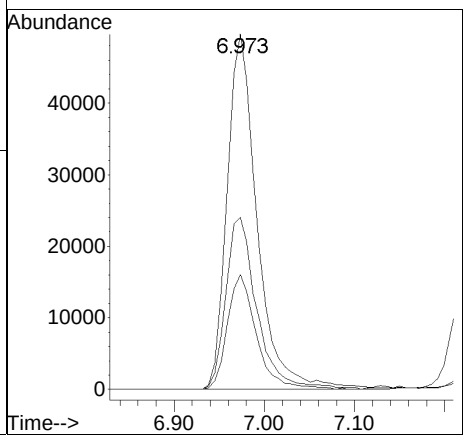


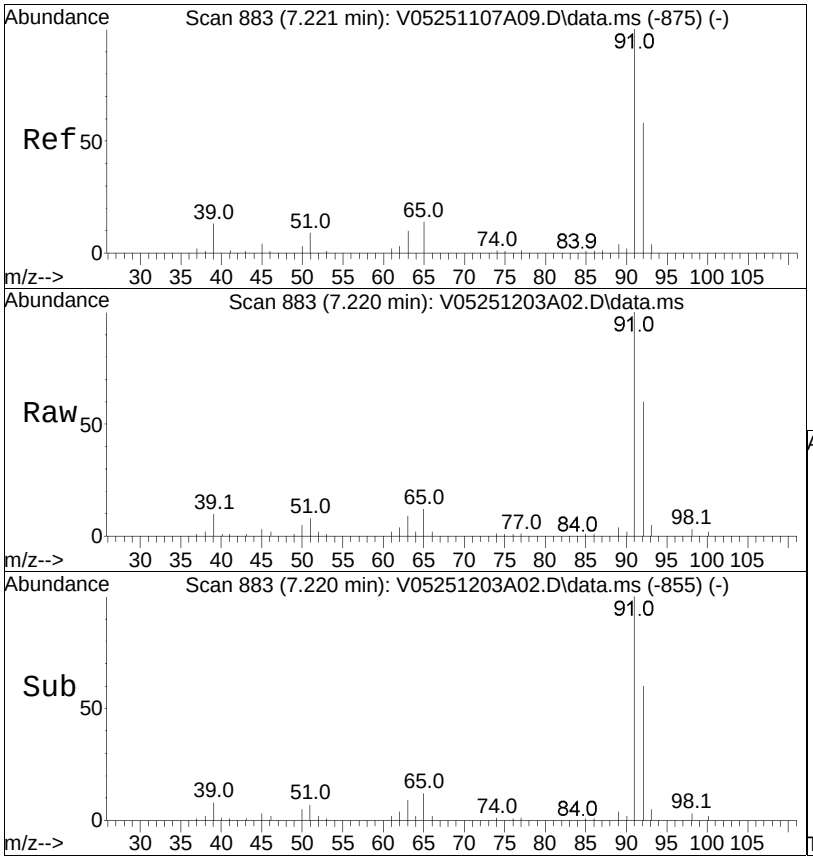


#58
cis-1,3-Dichloropropene
Concen: 8.01 ug/L
RT: 6.973 min Scan# 848
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 75 Resp: 115450

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4
39	50.0	50.1	75.1#

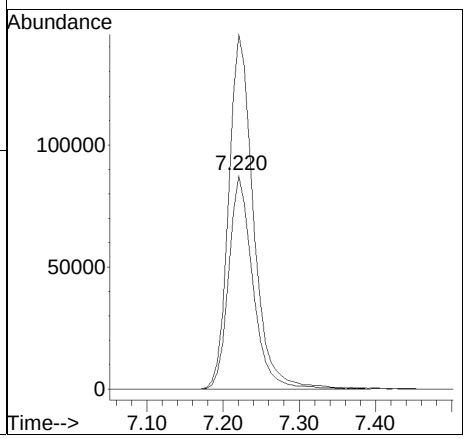


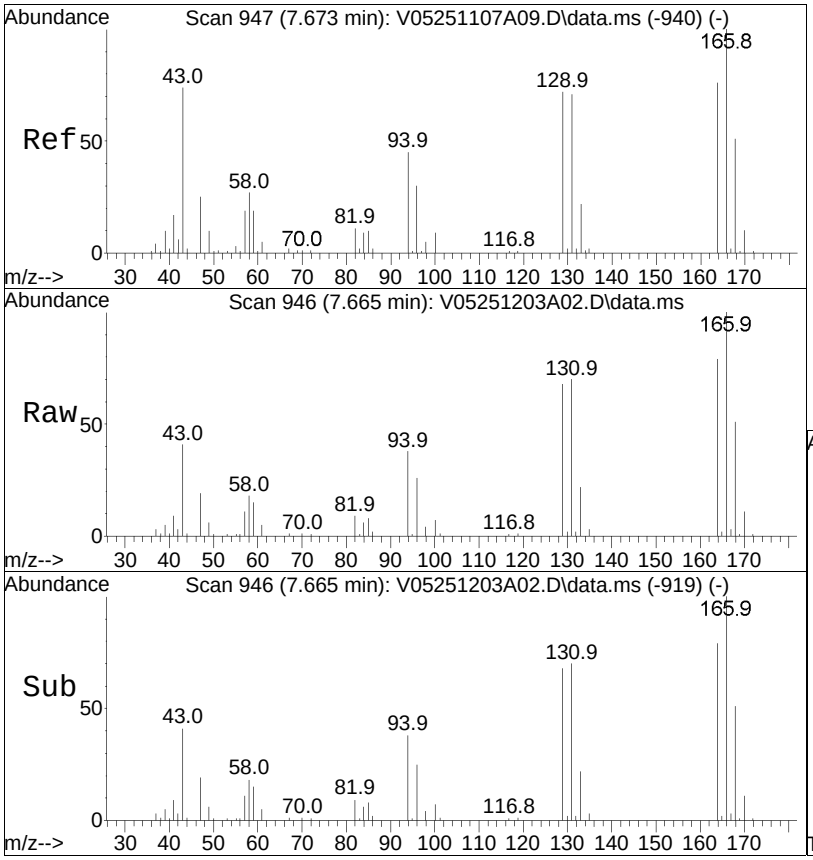


#61
Toluene
Concen: 8.04 ug/L
RT: 7.220 min Scan# 883
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 92 Resp: 195022

Ion	Ratio	Lower	Upper
92	100		
91	169.6	136.6	205.0

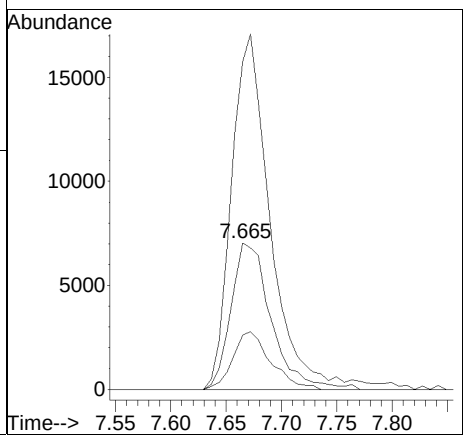


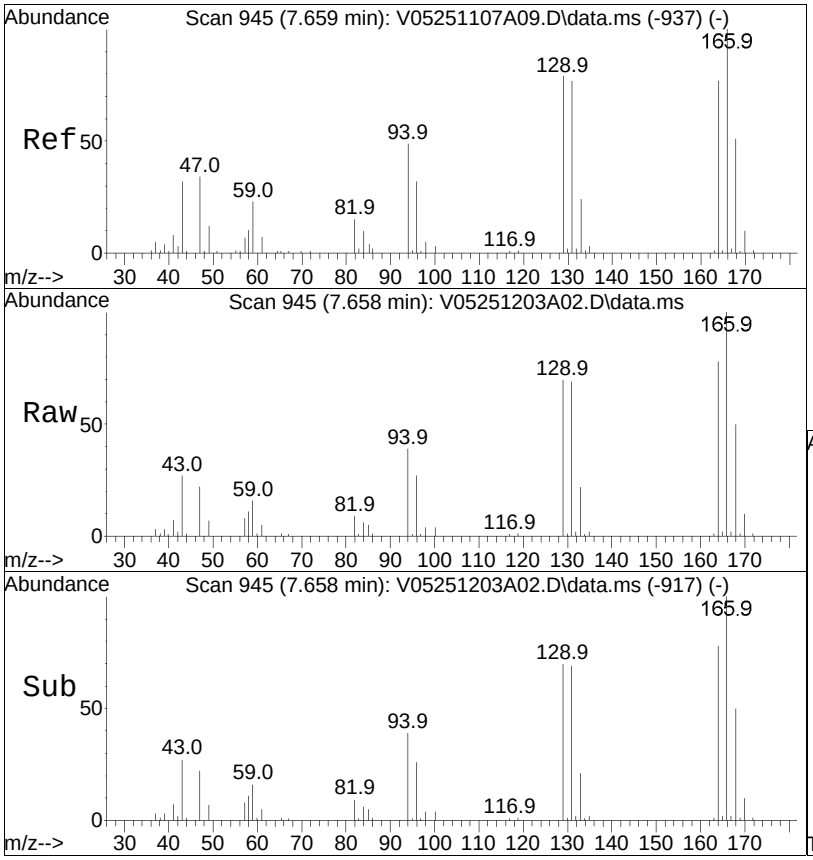


#62
4-Methyl-2-pentanone
Concen: 7.64 ug/L
RT: 7.665 min Scan# 946
Delta R.T. -0.008 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 58 Resp: 17753

Ion	Ratio	Lower	Upper
58	100		
100	37.2	25.6	38.4
43	237.2	235.2	352.8

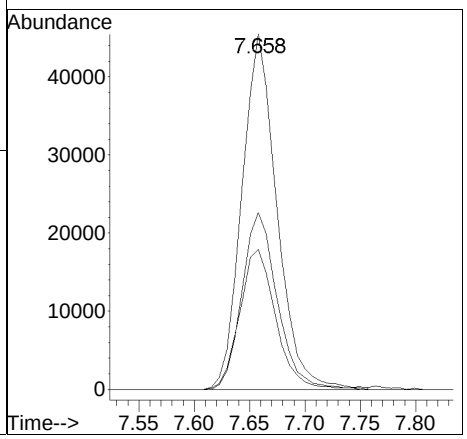


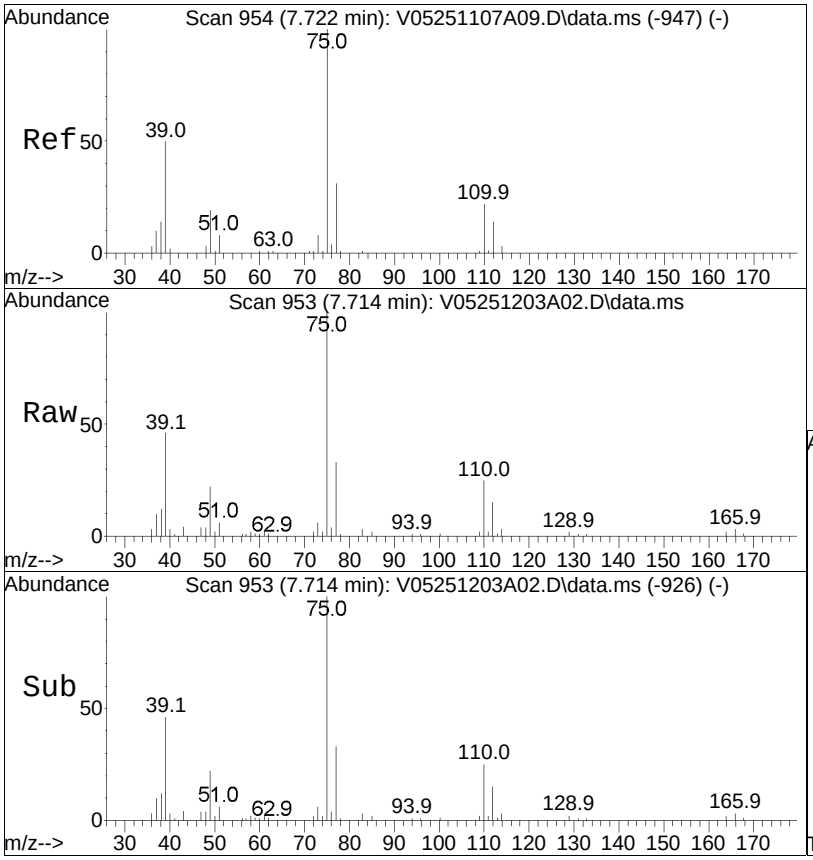


#63
Tetrachloroethene
Concen: 9.64 ug/L
RT: 7.658 min Scan# 945
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:166 Resp: 100169

Ion	Ratio	Lower	Upper
166	100		
168	50.2	29.2	69.2
94	40.5	29.6	69.6

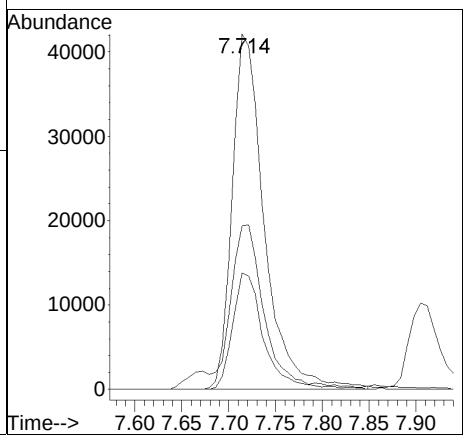


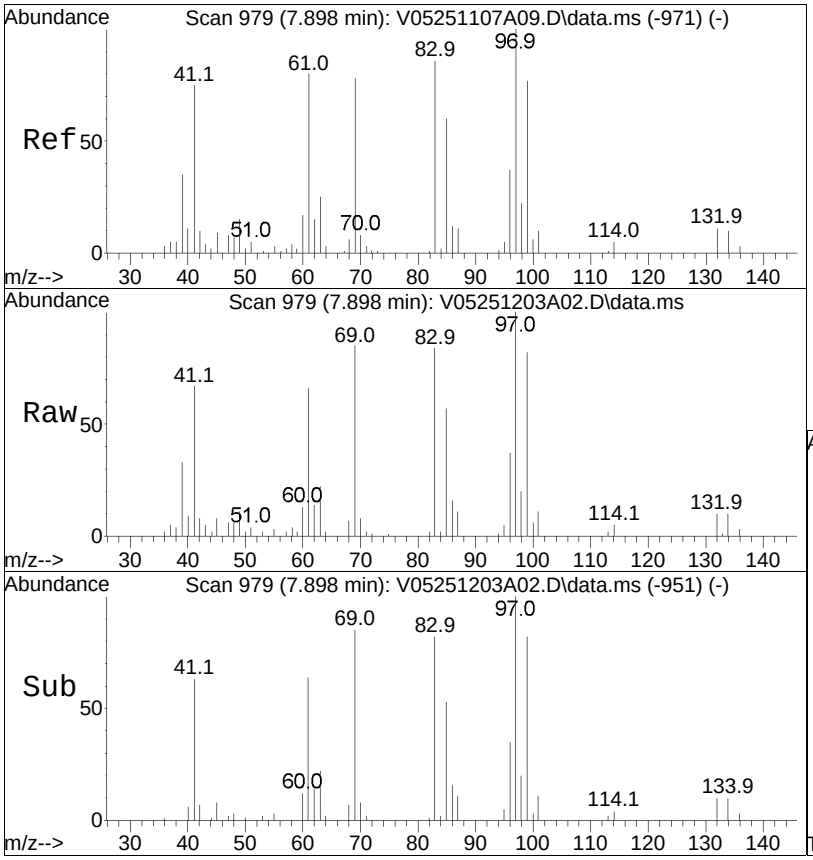


#65
trans-1,3-Dichloropropene
Concen: 7.92 ug/L
RT: 7.714 min Scan# 953
Delta R.T. -0.008 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 75 Resp: 100589

Ion	Ratio	Lower	Upper
75	100		
77	31.6	10.4	50.4
39	52.3	44.9	84.9

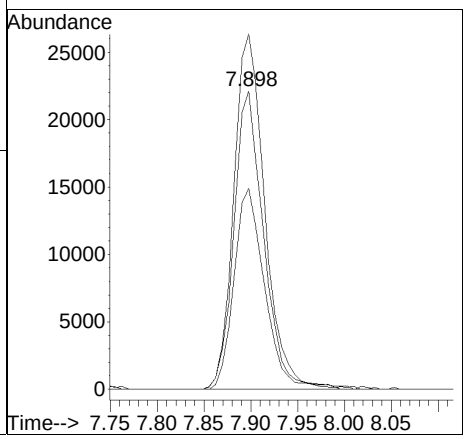


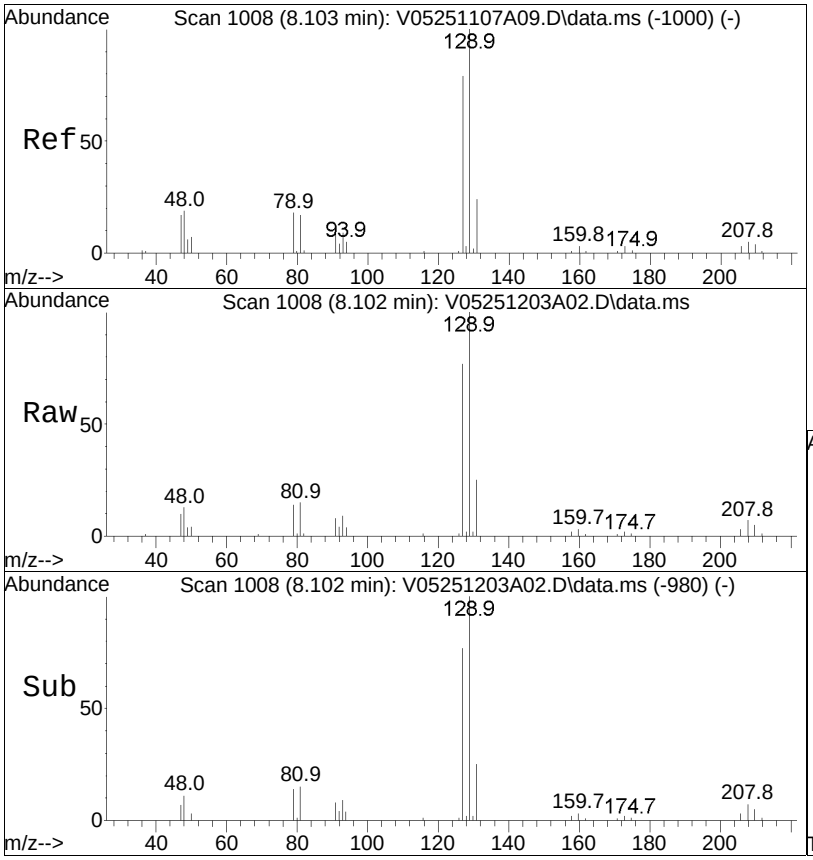


#68
1,1,2-Trichloroethane
Concen: 8.68 ug/L
RT: 7.898 min Scan# 979
Delta R.T. -0.000 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 83 Resp: 49214

Ion	Ratio	Lower	Upper
83	100		
97	123.6	98.0	138.0
85	68.8	50.6	90.6

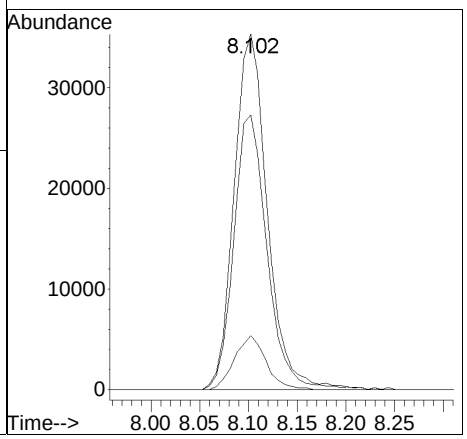


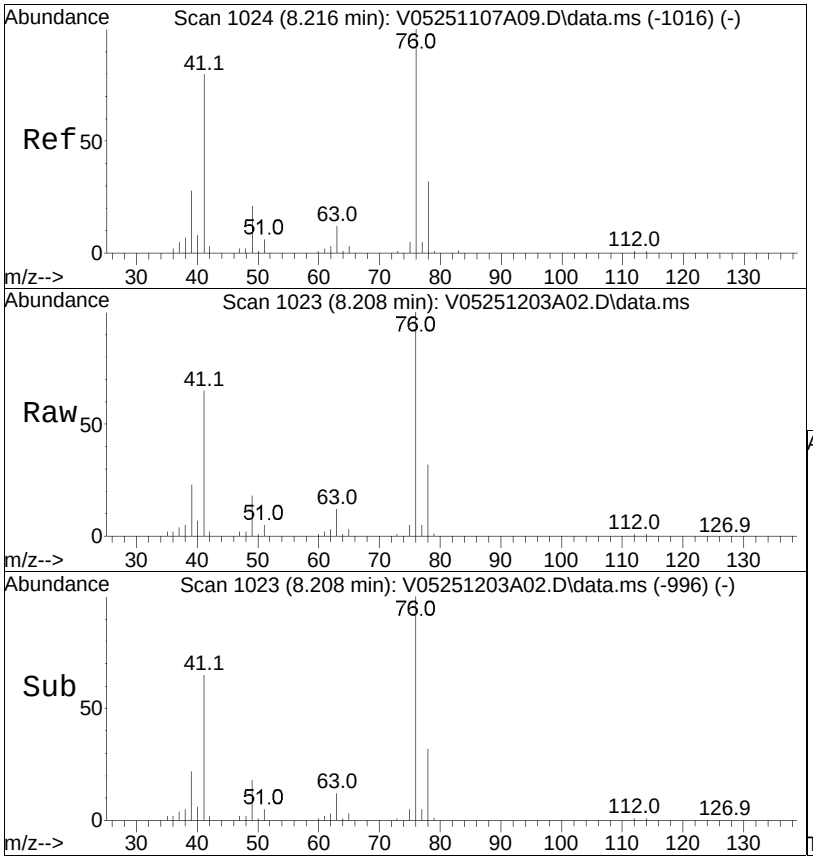


#69
Chlorodibromomethane
Concen: 9.30 ug/L
RT: 8.102 min Scan# 1008
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:129 Resp: 83822

Ion	Ratio	Lower	Upper
129	100		
81	14.3	0.0	37.7
127	77.2	57.1	97.1

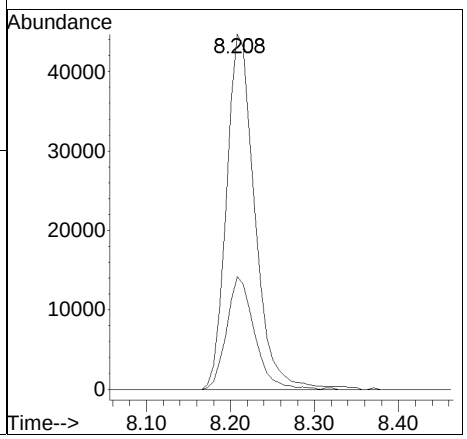


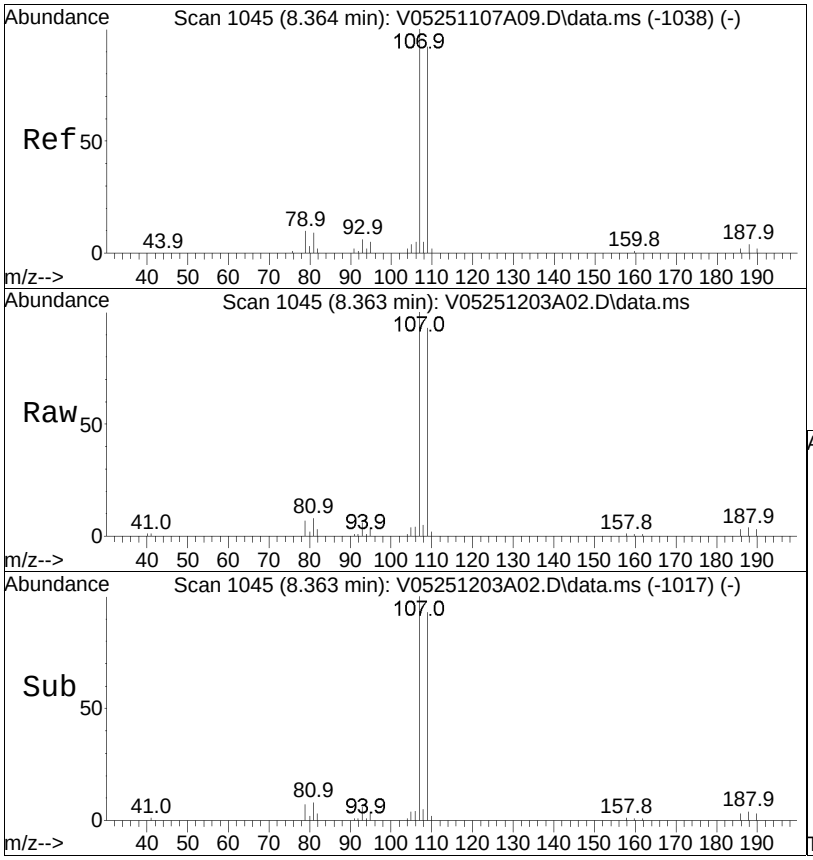


#70
1,3-Dichloropropane
Concen: 8.43 ug/L
RT: 8.208 min Scan# 1023
Delta R.T. -0.008 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 76 Resp: 104783

Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.5	38.3

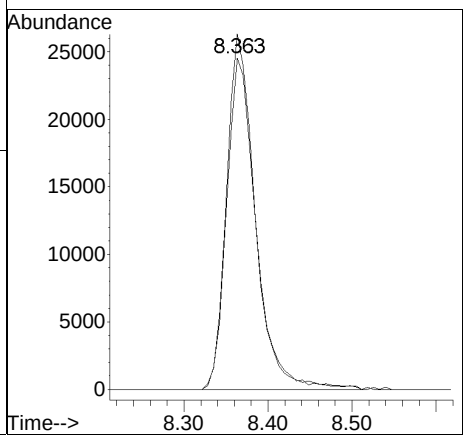


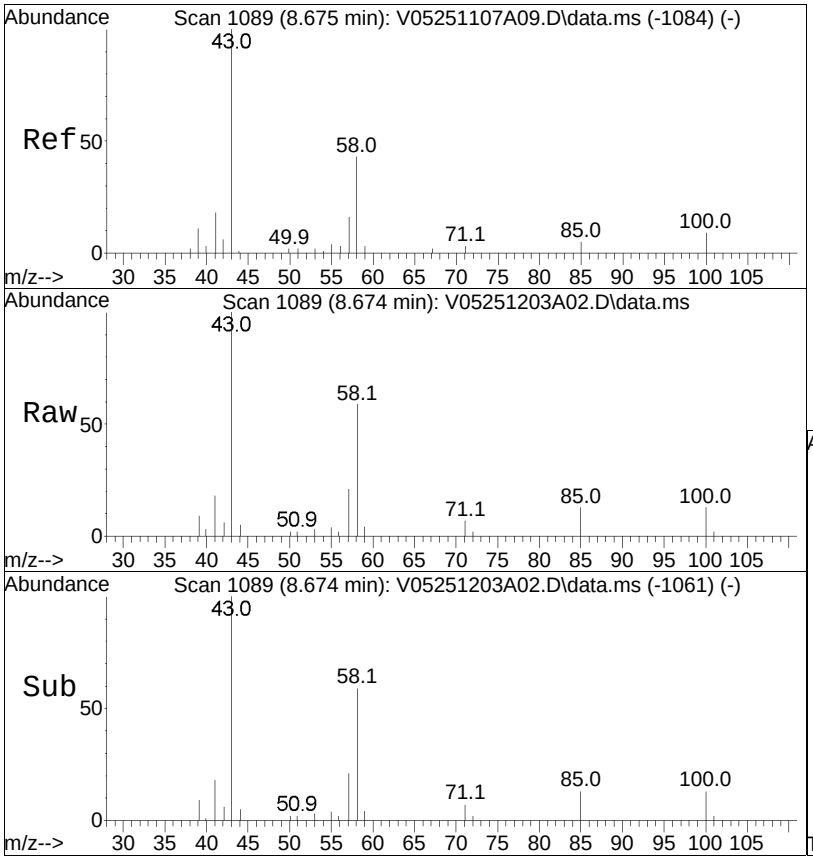


#71
1,2-Dibromoethane
Concen: 9.47 ug/L
RT: 8.363 min Scan# 1045
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:107 Resp: 62960

Ion	Ratio	Lower	Upper
107	100		
109	94.6	74.2	111.2

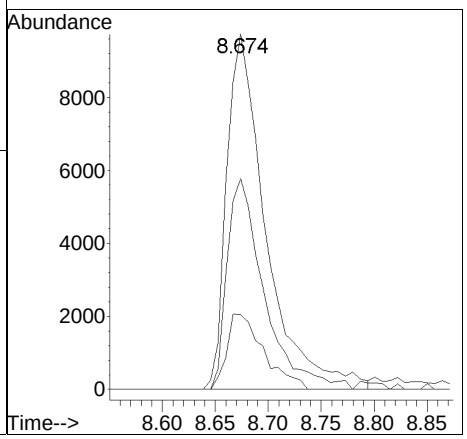


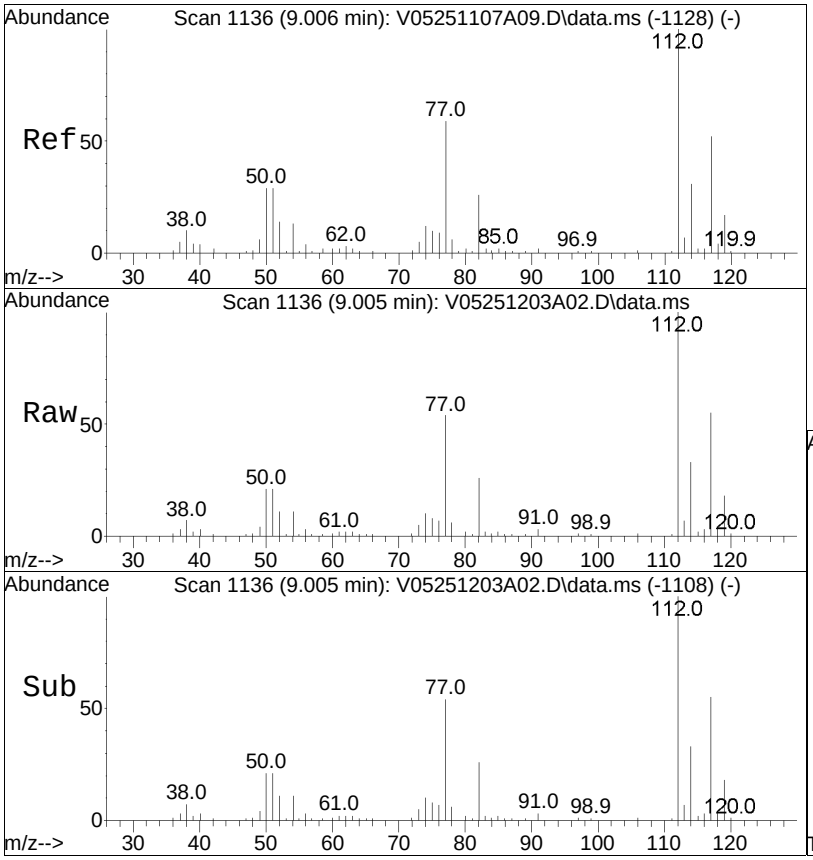


#72
2-Hexanone
Concen: 6.35 ug/L
RT: 8.674 min Scan# 1089
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 43 Resp: 25178

Ion	Ratio	Lower	Upper
43	100		
58	55.8	38.3	57.5
57	20.0	12.8	19.2#

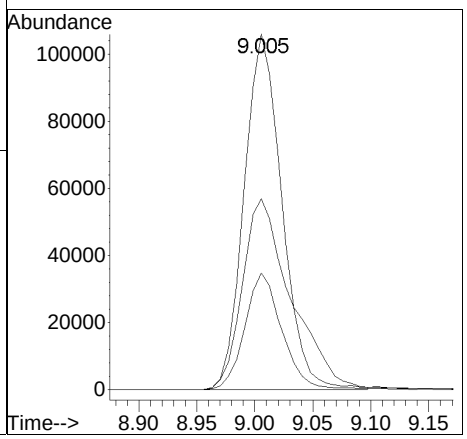


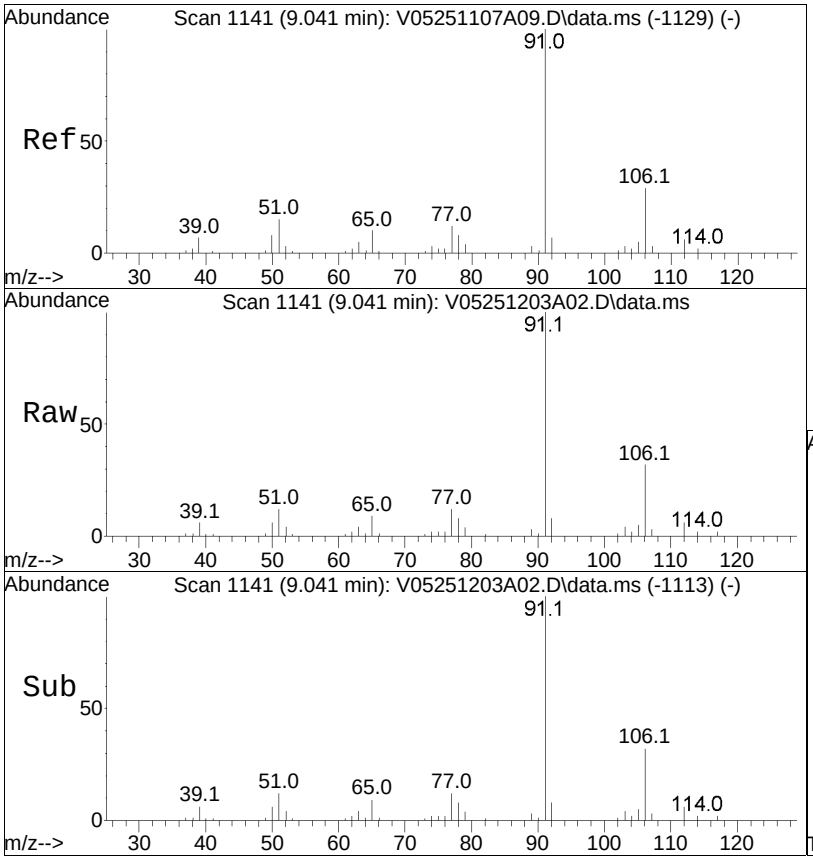


#73
Chlorobenzene
Concen: 8.85 ug/L
RT: 9.005 min Scan# 1136
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:112 Resp: 239611

Ion	Ratio	Lower	Upper
112	100		
77	69.6	62.1	93.1
114	32.1	25.3	37.9

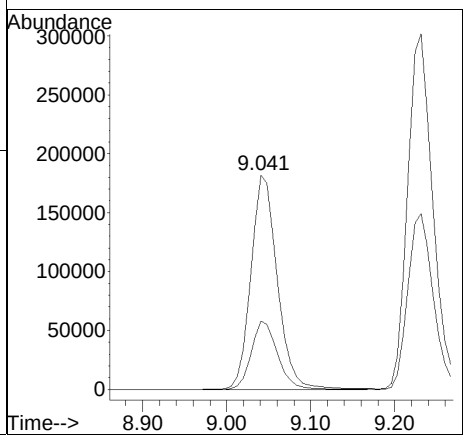


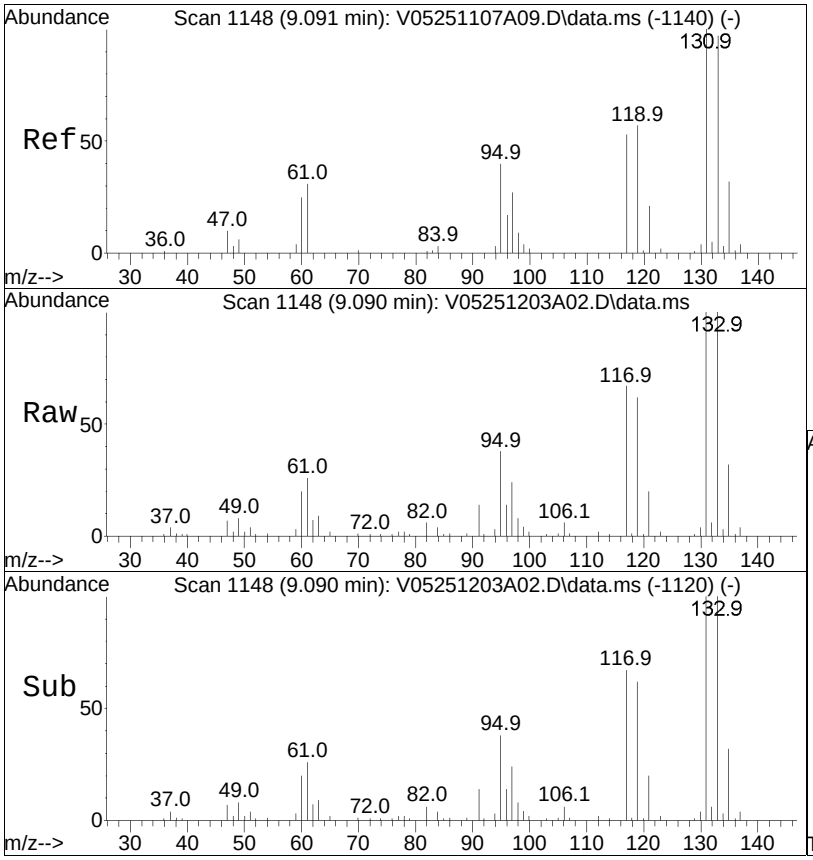


#74
Ethylbenzene
Concen: 8.38 ug/L
RT: 9.041 min Scan# 1141
Delta R.T. -0.000 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 91 Resp: 397781

Ion	Ratio	Lower	Upper
91	100		
106	31.7	24.2	36.2

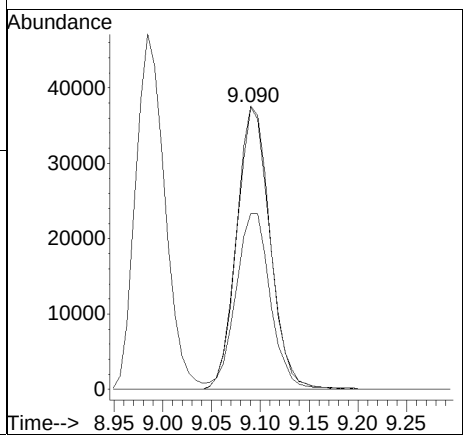


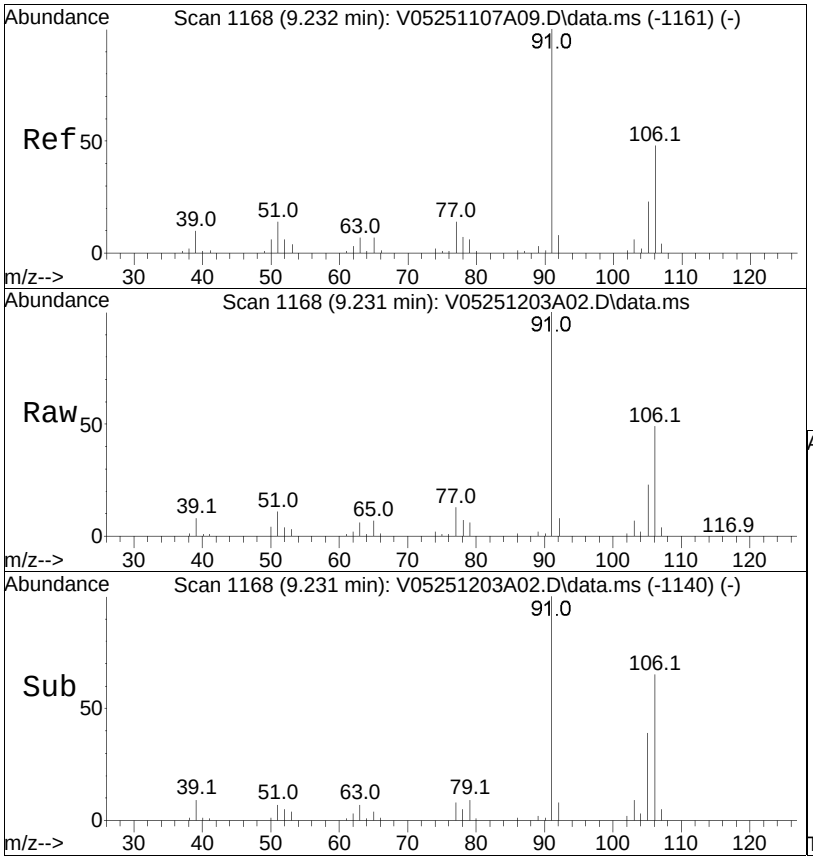


#75
1,1,1,2-Tetrachloroethane
Concen: 9.31 ug/L
RT: 9.090 min Scan# 1148
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:131 Resp: 90788

Ion	Ratio	Lower	Upper
131	100		
133	97.3	77.7	117.7
119	63.8	43.0	83.0

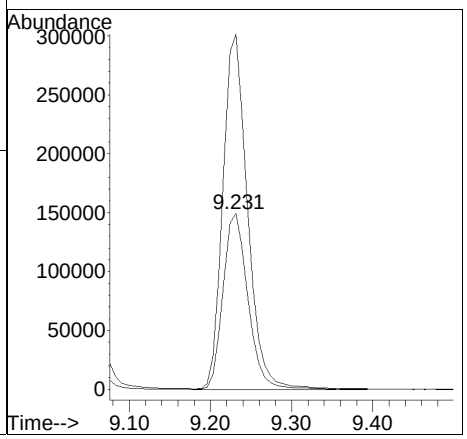


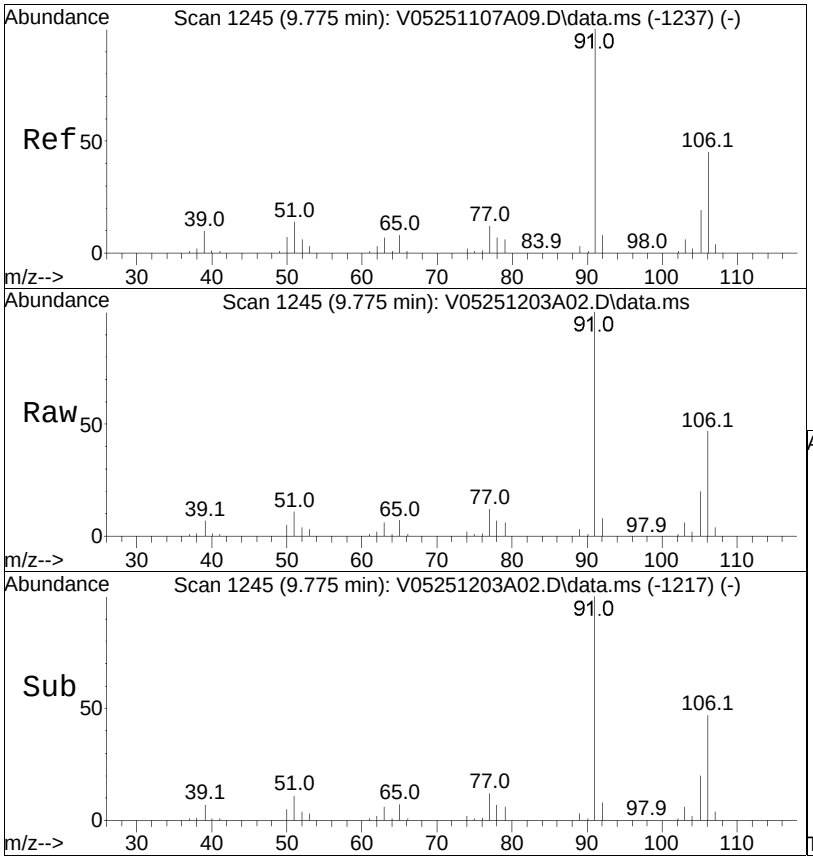


#76
p/m Xylene
Concen: 18.10 ug/L
RT: 9.231 min Scan# 1168
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:106 Resp: 319239

Ion	Ratio	Lower	Upper
106	100		
91	197.9	164.9	247.3

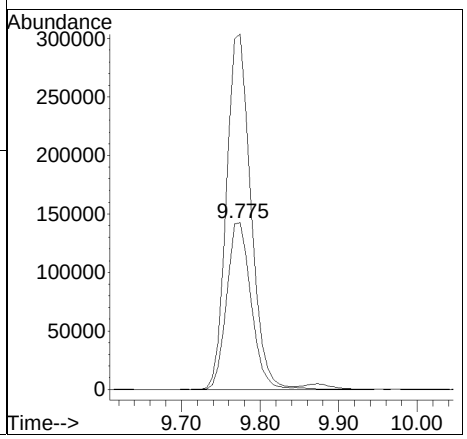


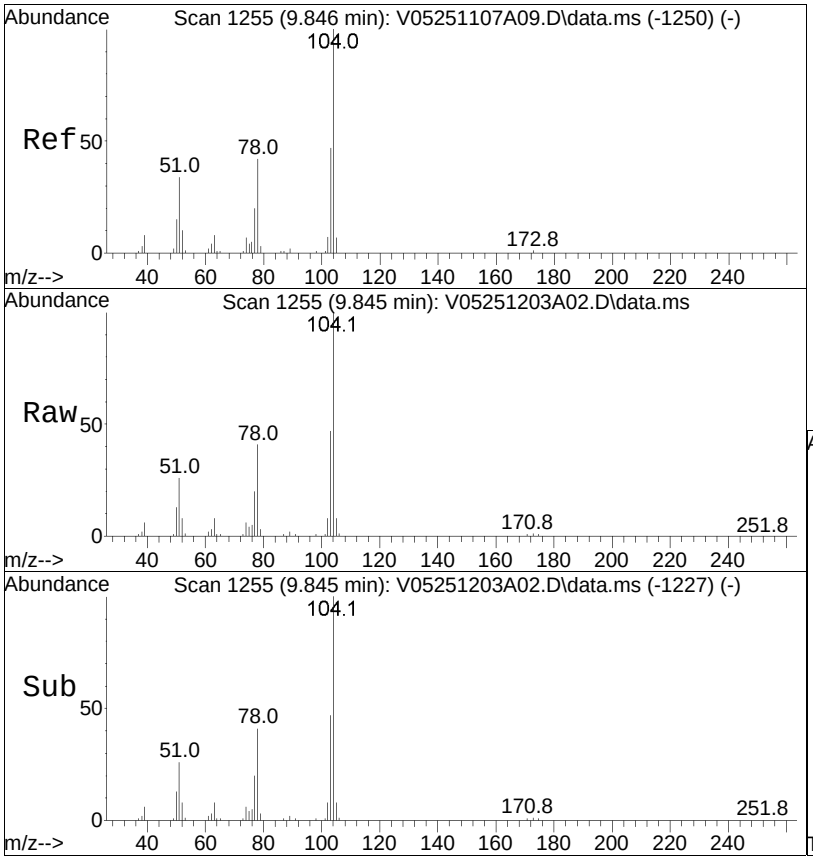


#77
o Xylene
Concen: 18.33 ug/L
RT: 9.775 min Scan# 1245
Delta R.T. -0.000 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:106 Resp: 309883

Ion	Ratio	Lower	Upper
106	100		
91	210.9	174.7	262.1

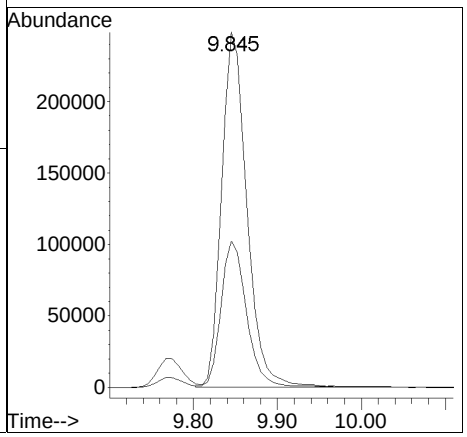


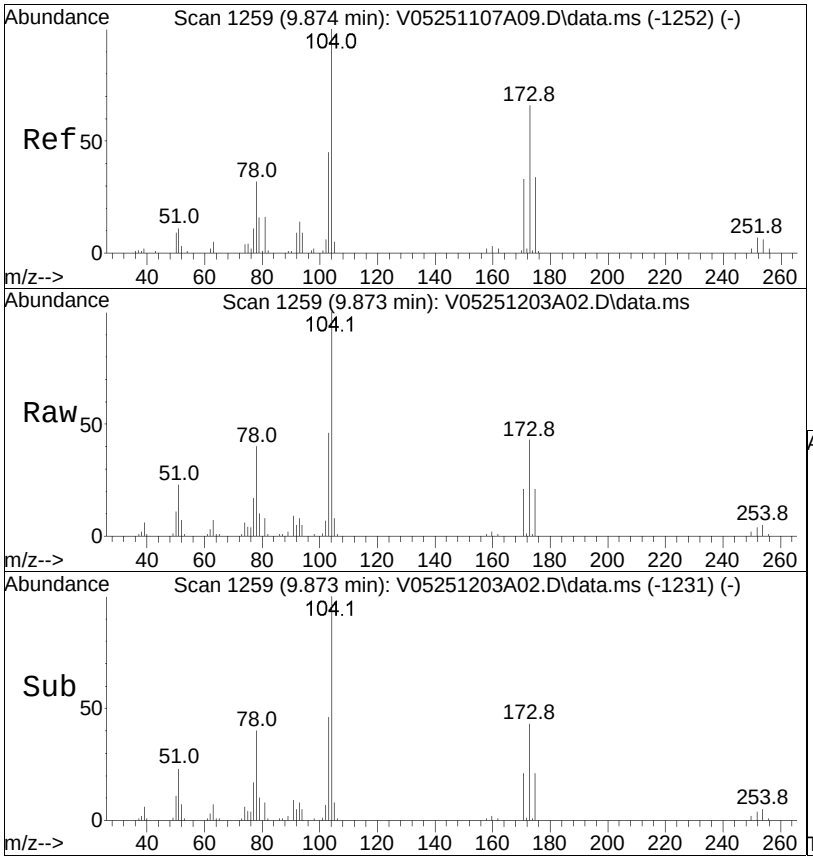


#78
Styrene
Concen: 18.76 ug/L
RT: 9.845 min Scan# 1255
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:104 Resp: 518381

Ion	Ratio	Lower	Upper
104	100		
78	41.7	35.0	52.4

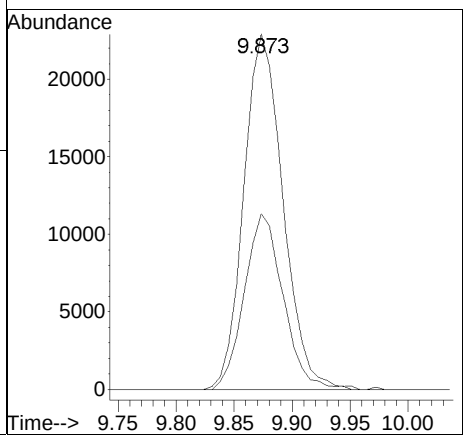


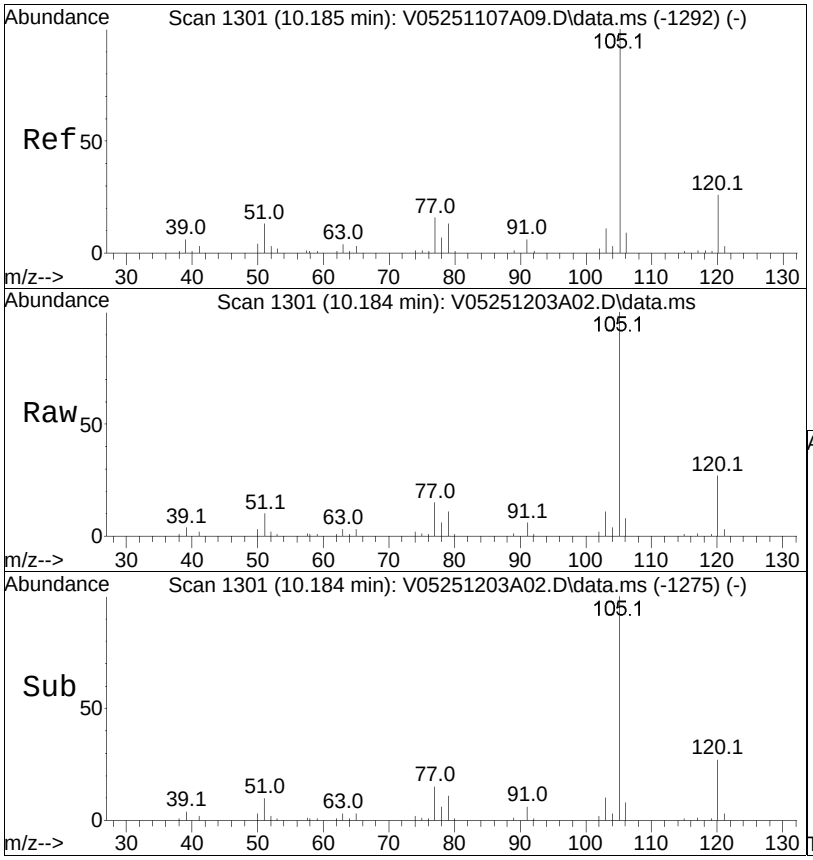


#80
Bromoform
Concen: 9.35 ug/L
RT: 9.873 min Scan# 1259
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:173 Resp: 53878

Ion	Ratio	Lower	Upper
173	100		
175	48.8	29.6	69.6

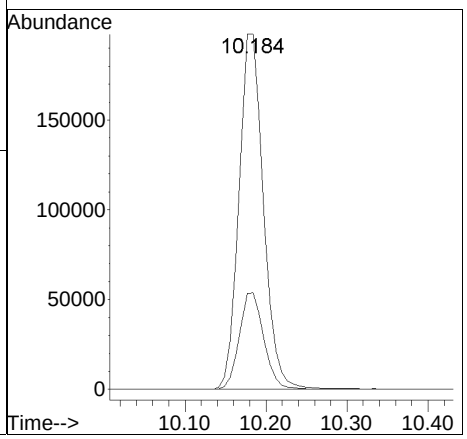


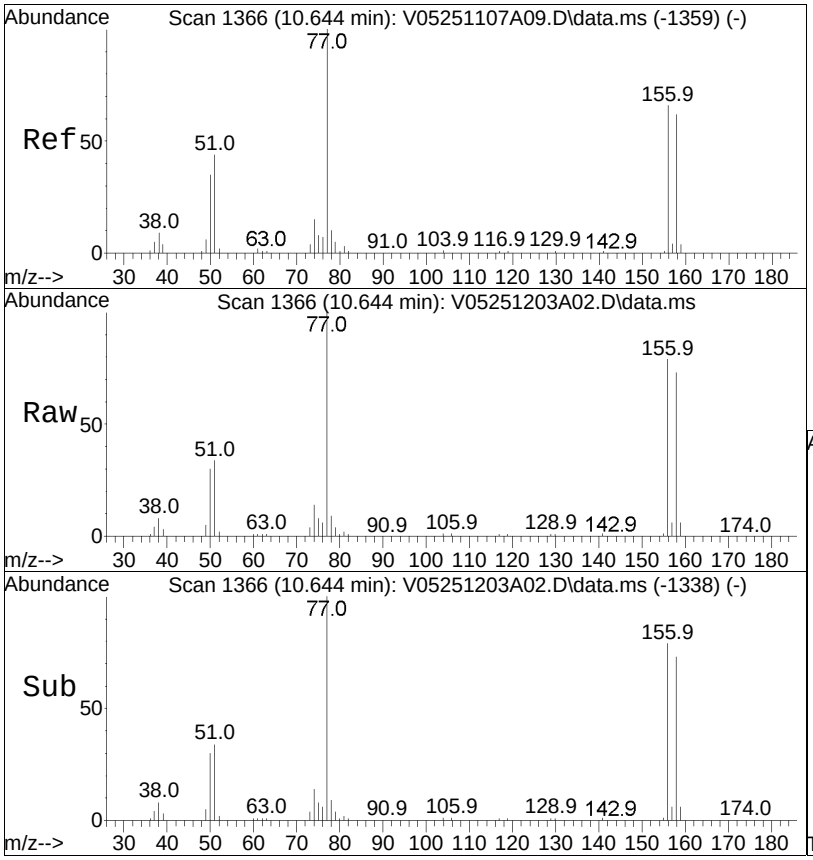


#82
Isopropylbenzene
Concen: 8.00 ug/L
RT: 10.184 min Scan# 1301
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:105 Resp: 417287

Ion	Ratio	Lower	Upper
105	100		
120	27.2	6.1	46.1

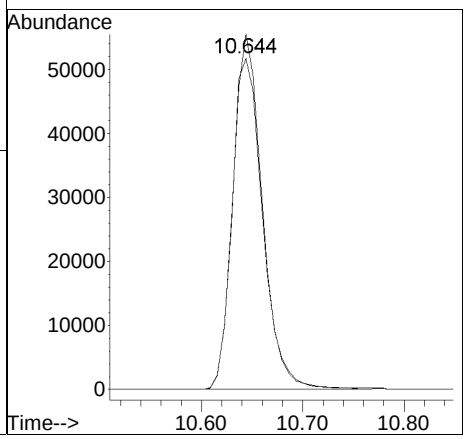


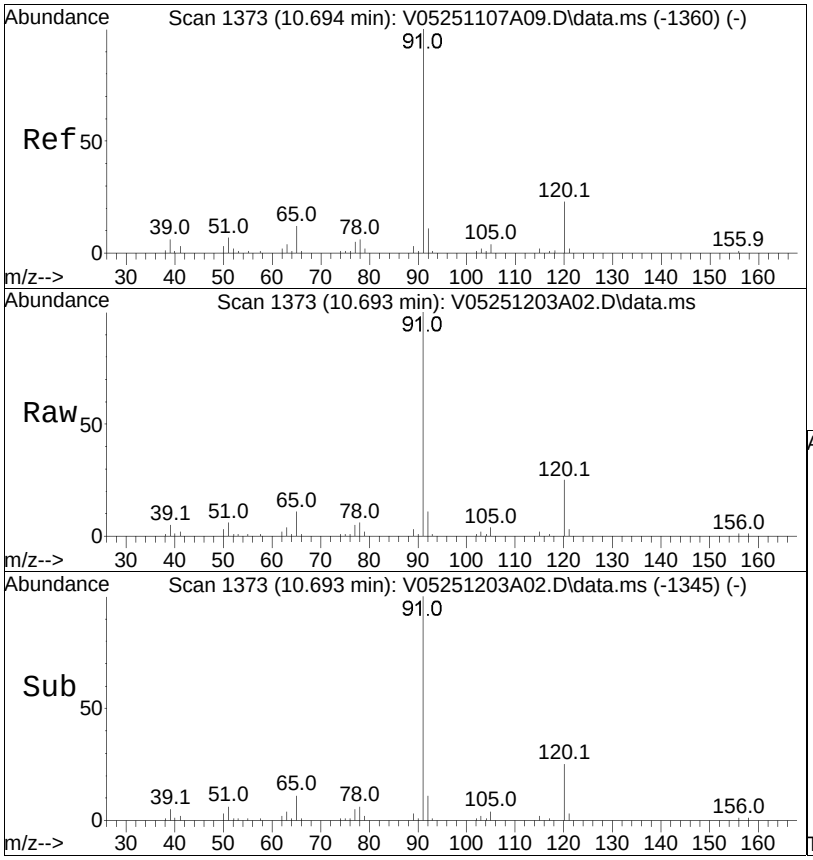


#84
Bromobenzene
Concen: 9.22 ug/L
RT: 10.644 min Scan# 1366
Delta R.T. -0.000 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:156 Resp: 112268

Ion	Ratio	Lower	Upper
156	100		
158	96.8	76.3	114.5

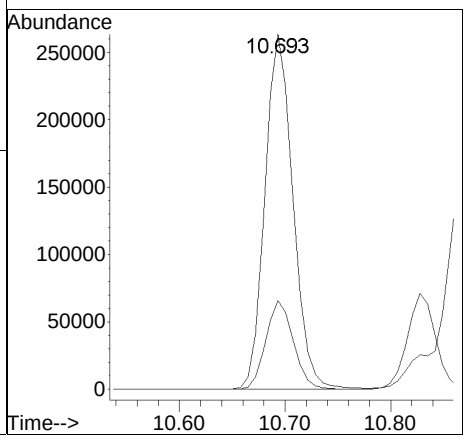


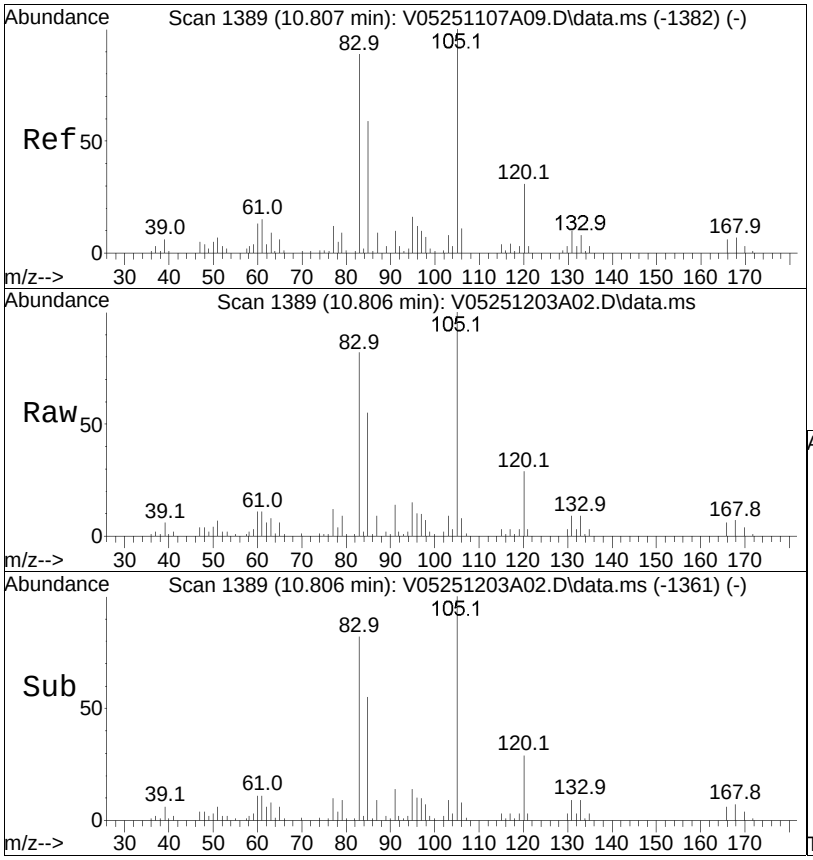


#85
n-Propylbenzene
Concen: 7.76 ug/L
RT: 10.693 min Scan# 1373
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 91 Resp: 486389

Ion	Ratio	Lower	Upper
91	100		
120	24.5	18.3	27.5

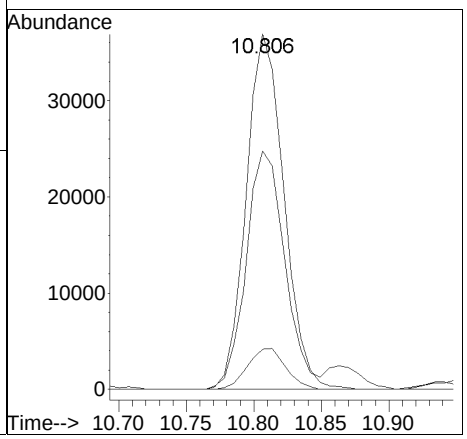


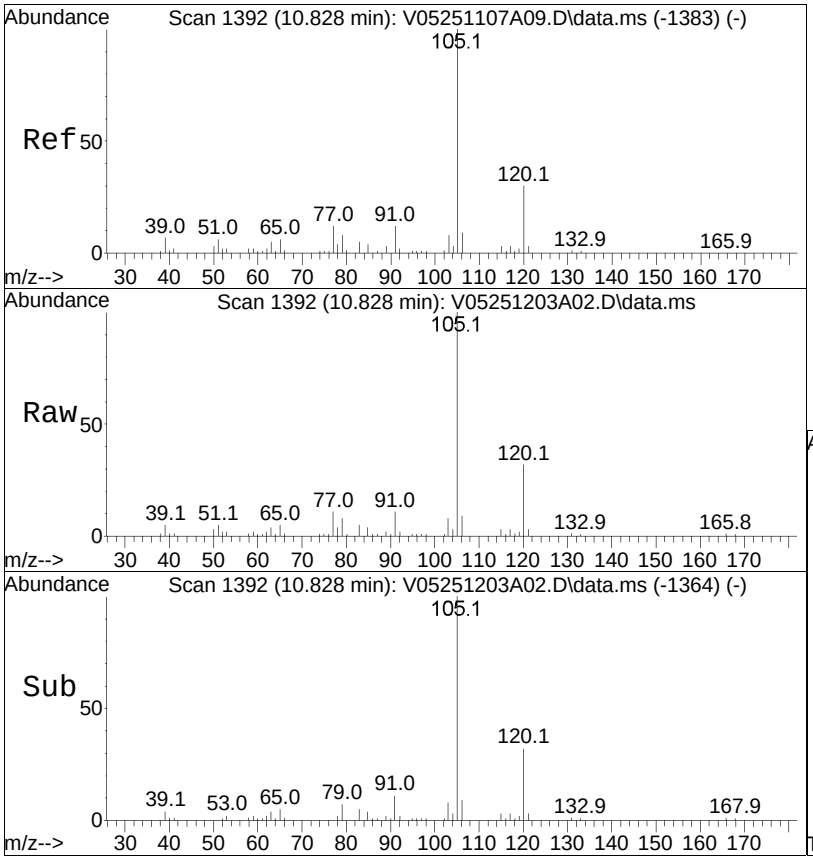


#87
1,1,2,2-Tetrachloroethane
Concen: 8.60 ug/L
RT: 10.806 min Scan# 1389
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 83 Resp: 71878

Ion	Ratio	Lower	Upper
83	100		
131	11.7	0.0	30.8
85	68.9	47.6	87.6

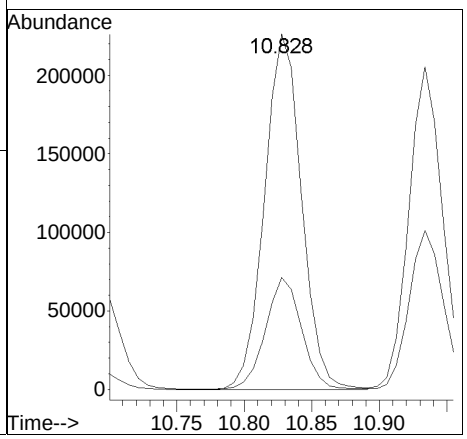


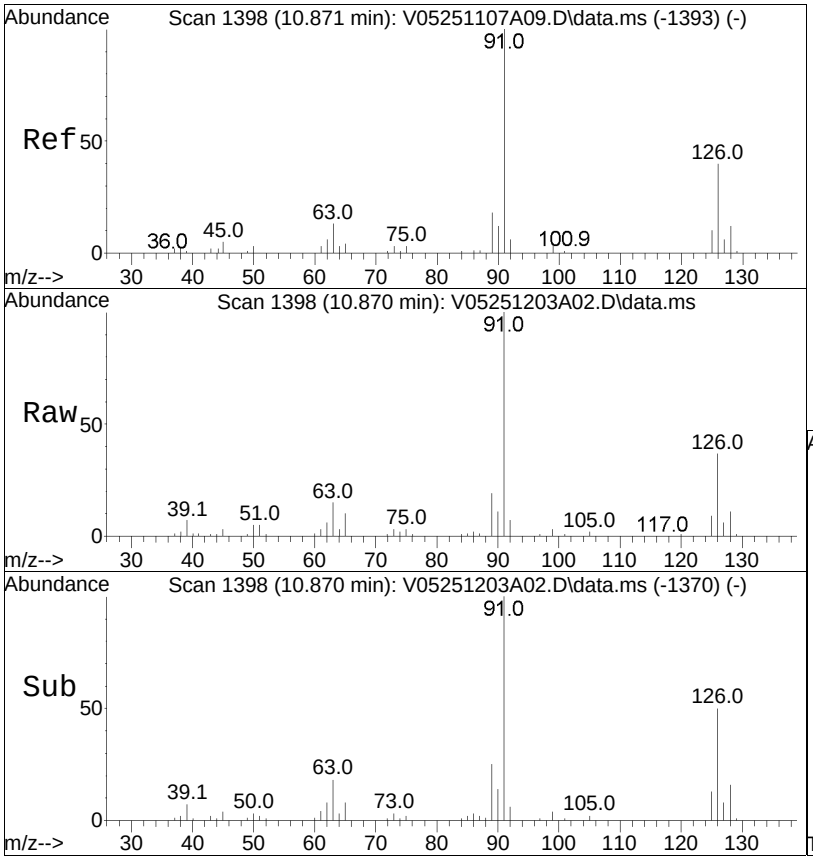


#88
4-Ethyltoluene
Concen: 8.51 ug/L
RT: 10.828 min Scan# 1392
Delta R.T. -0.000 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:105 Resp: 431718

Ion	Ratio	Lower	Upper
105	100		
120	30.4	19.2	40.0

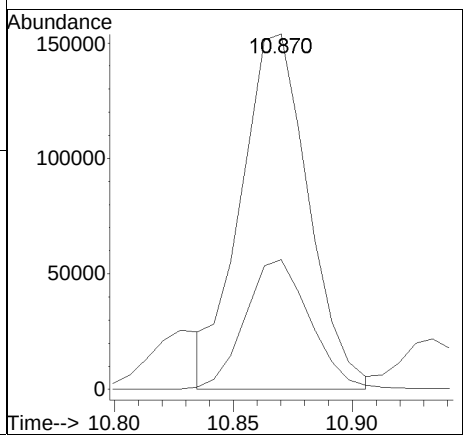


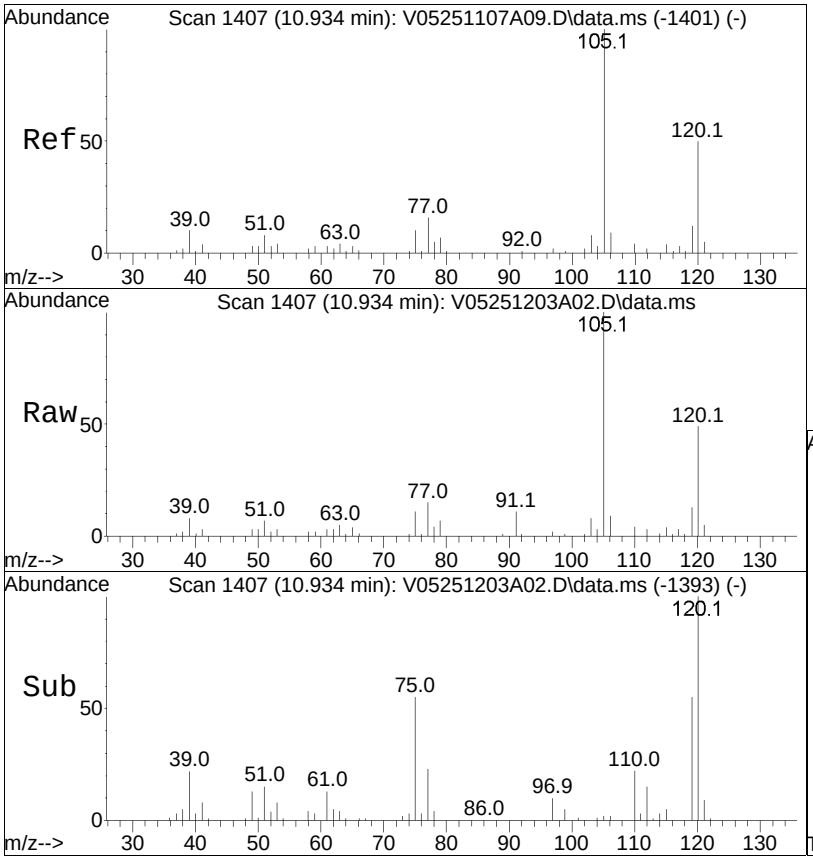


#89
2-Chlorotoluene
Concen: 8.12 ug/L M6
RT: 10.870 min Scan# 1398
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 91 Resp: 304128

Ion	Ratio	Lower	Upper
91	100		
126	35.4	26.1	39.1

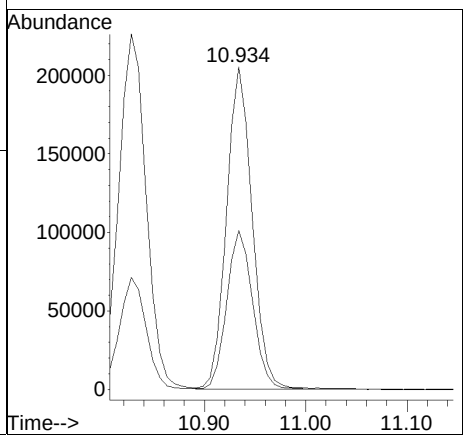


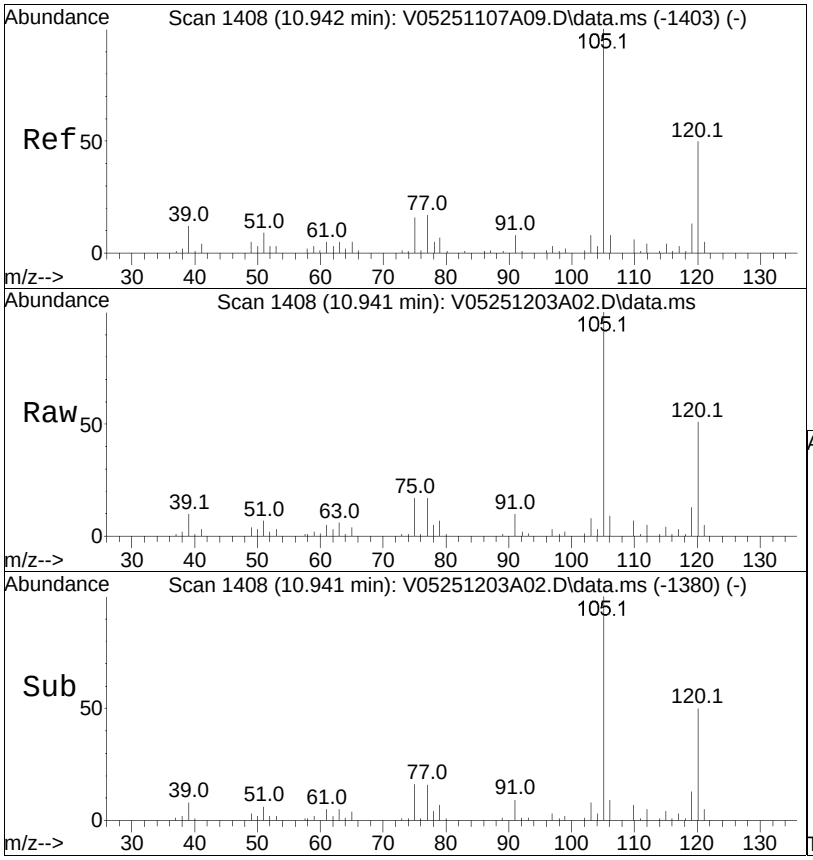


#90
1,3,5-Trimethylbenzene
Concen: 8.29 ug/L
RT: 10.934 min Scan# 1407
Delta R.T. -0.000 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:105 Resp: 360755

Ion	Ratio	Lower	Upper
105	100		
120	49.7	38.5	57.7

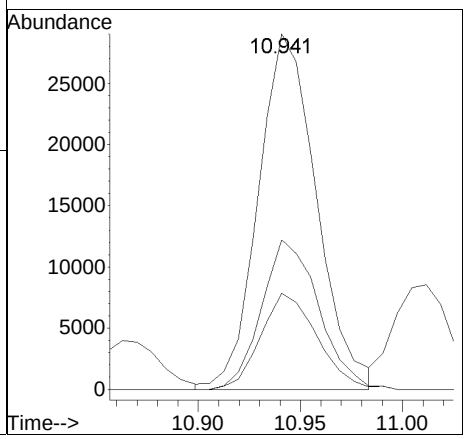


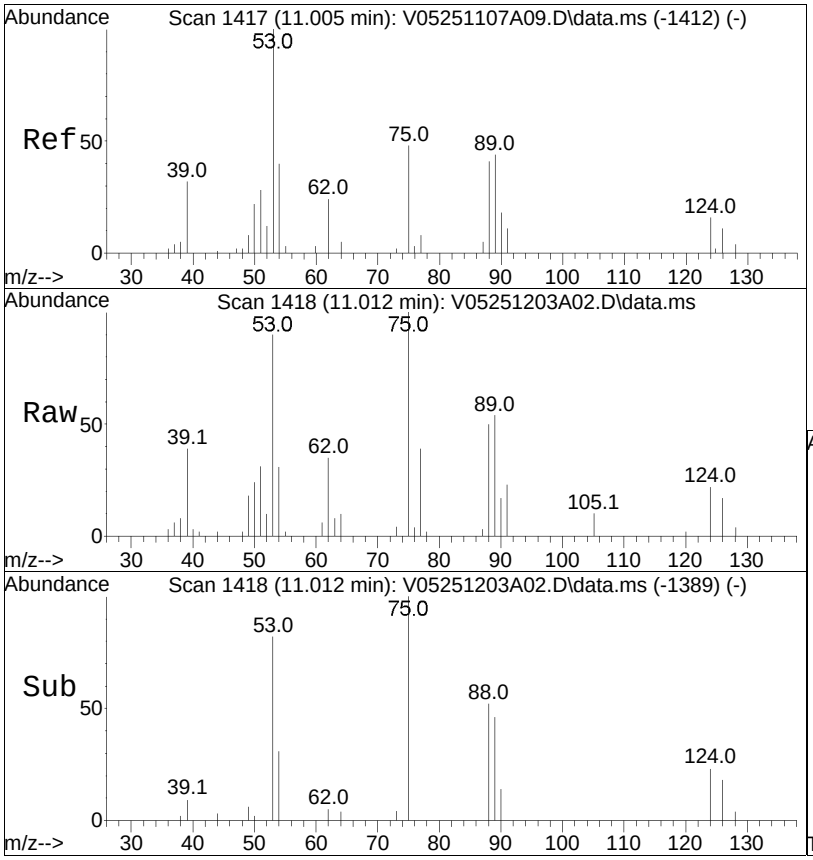


#91
1,2,3-Trichloropropane
Concen: 7.96 ug/L M4
RT: 10.941 min Scan# 1408
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 75 Resp: 57477

Ion	Ratio	Lower	Upper
75	100		
110	41.3	24.2	50.2
112	26.3	15.1	31.5

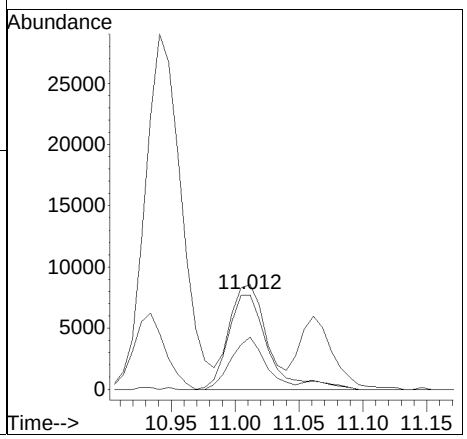


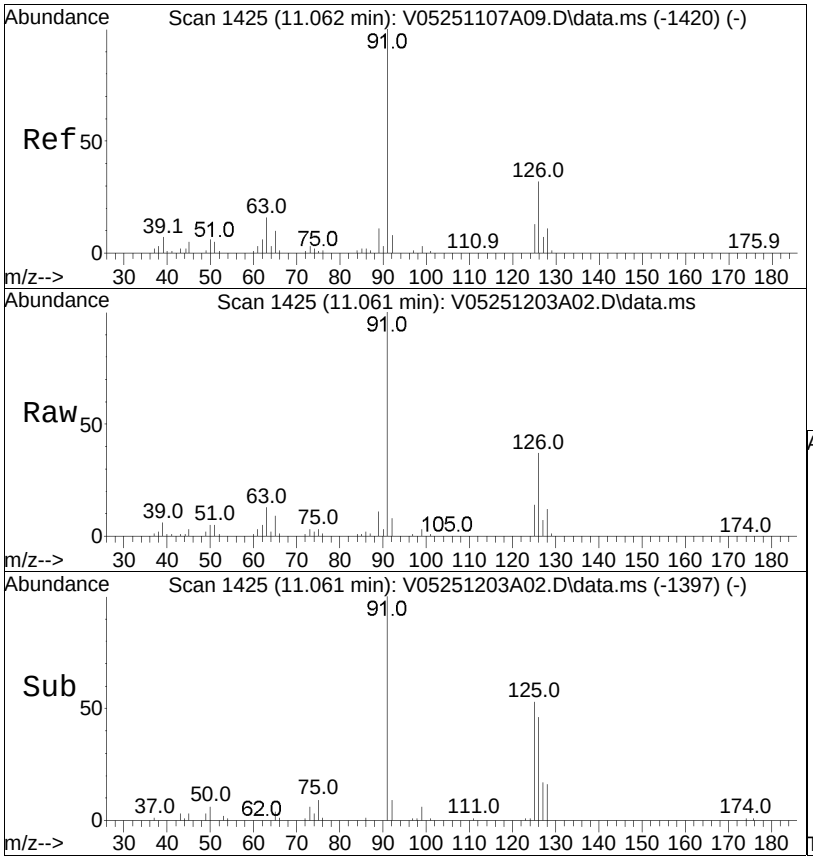


#92
trans-1,4-Dichloro-2-butene
Concen: 5.77 ug/L
RT: 11.012 min Scan# 1418
Delta R.T. 0.007 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 53 Resp: 16868

Ion	Ratio	Lower	Upper
53	100		
88	47.6	31.1	46.7#
75	97.0	64.8	97.2

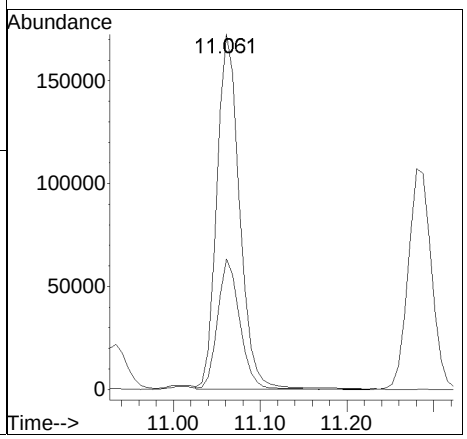


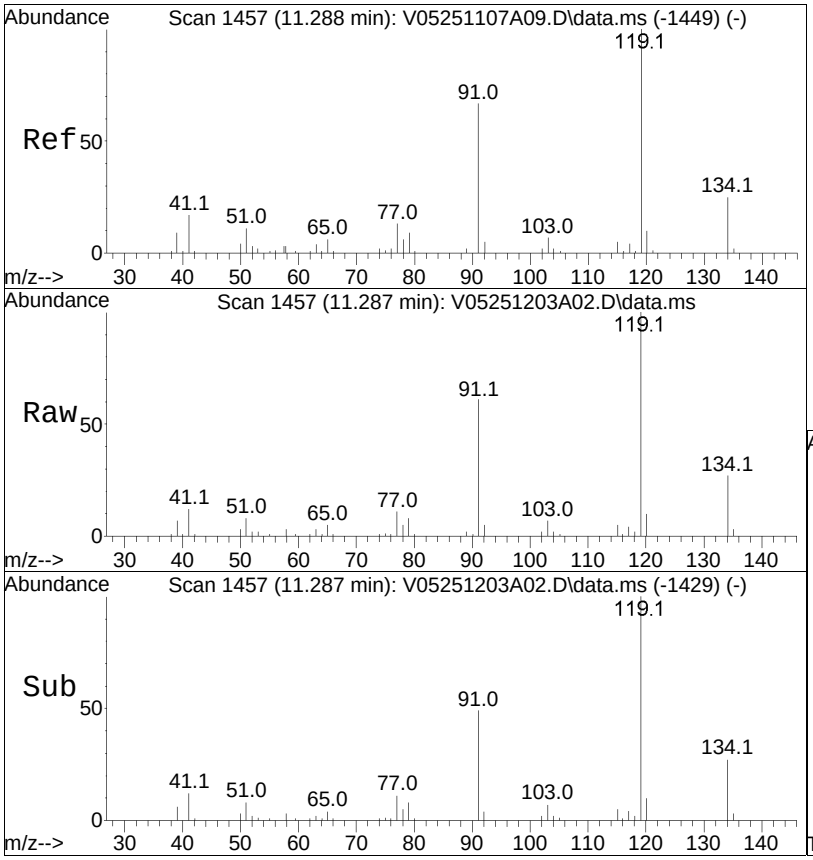


#93
4-Chlorotoluene
Concen: 8.11 ug/L
RT: 11.061 min Scan# 1425
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 91 Resp: 312964

Ion	Ratio	Lower	Upper
91	100		
126	36.0	27.0	40.6

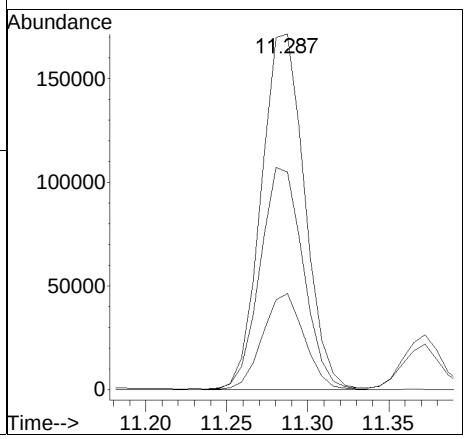


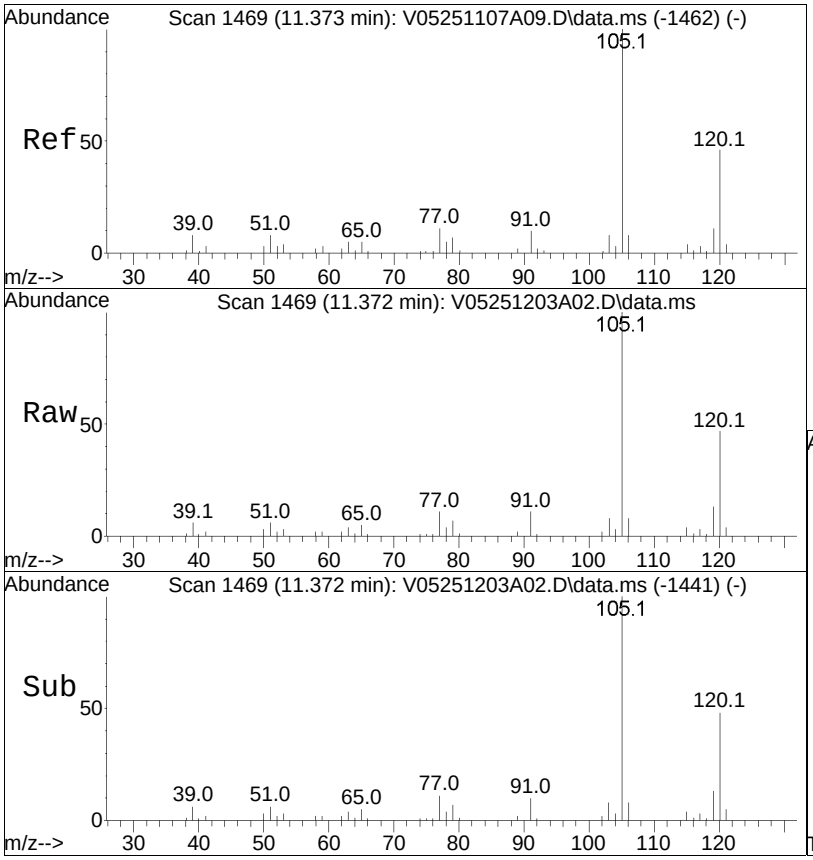


#94
tert-Butylbenzene
Concen: 8.53 ug/L
RT: 11.287 min Scan# 1457
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:119 Resp: 319332

Ion	Ratio	Lower	Upper
119	100		
91	61.9	53.8	80.6
134	25.8	19.9	29.9

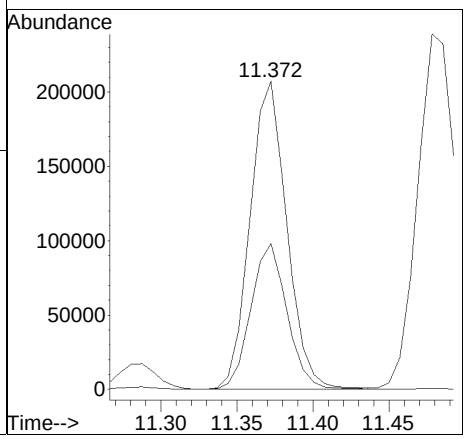


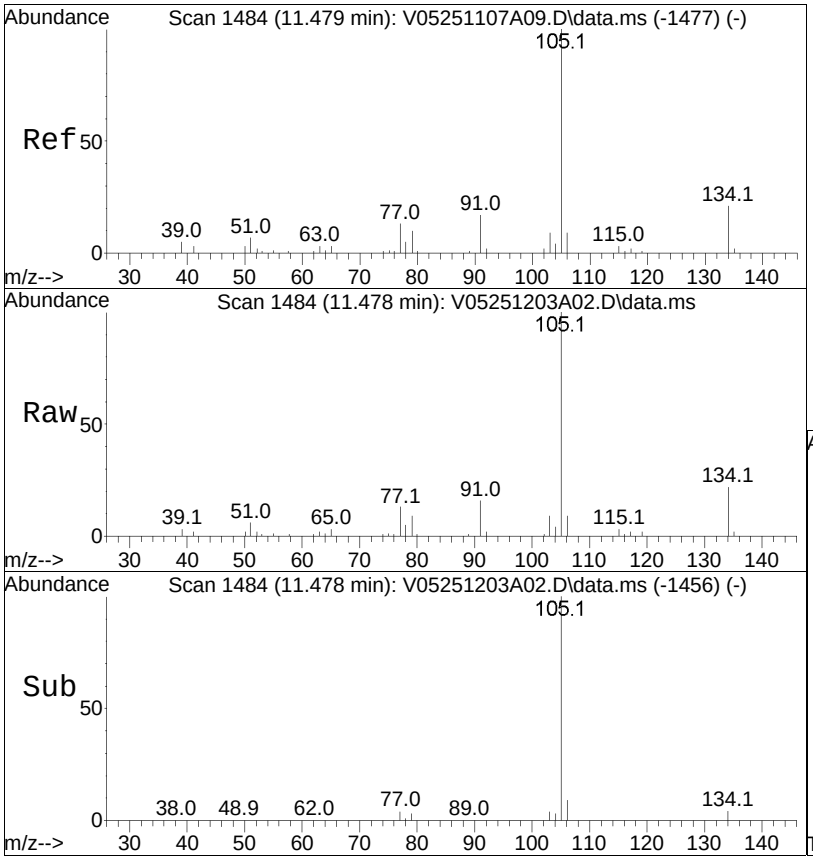


#97
1,2,4-Trimethylbenzene
Concen: 8.36 ug/L
RT: 11.372 min Scan# 1469
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:105 Resp: 349126

Ion	Ratio	Lower	Upper
105	100		
120	46.5	36.6	54.8

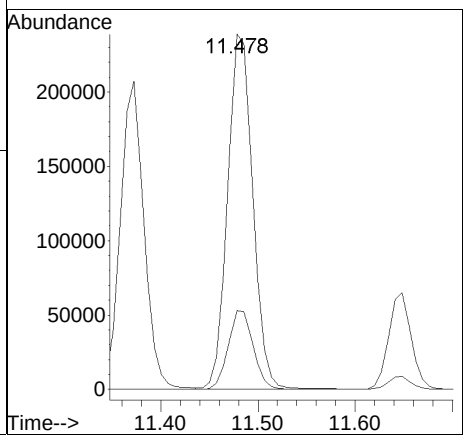


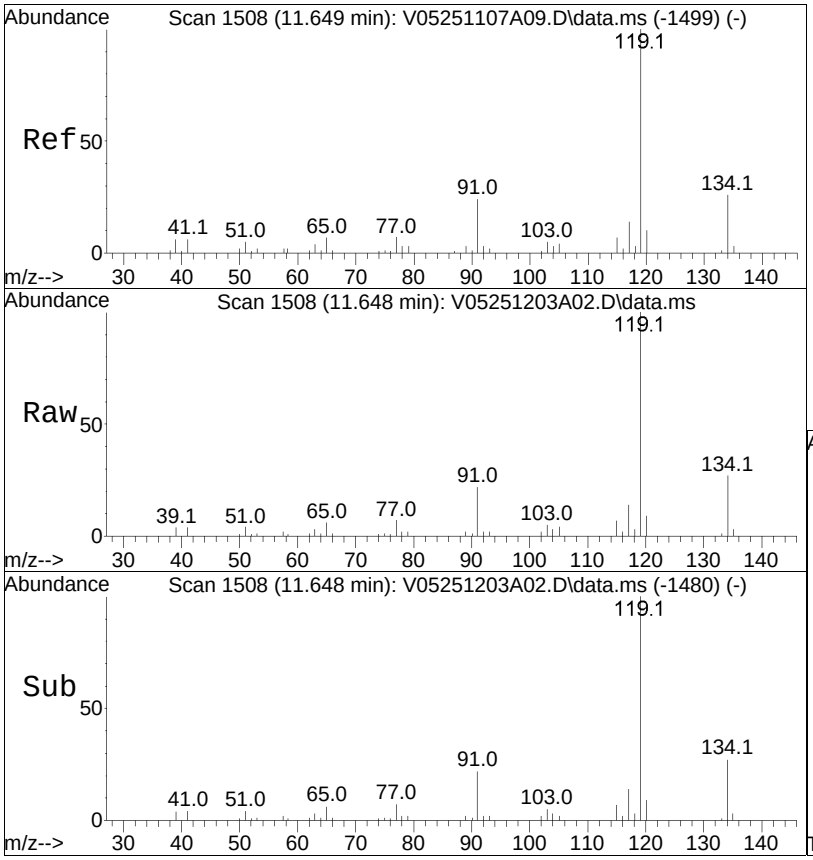


#98
sec-Butylbenzene
Concen: 8.09 ug/L
RT: 11.478 min Scan# 1484
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:105 Resp: 430760

Ion	Ratio	Lower	Upper
105	100		
134	22.0	13.7	28.5

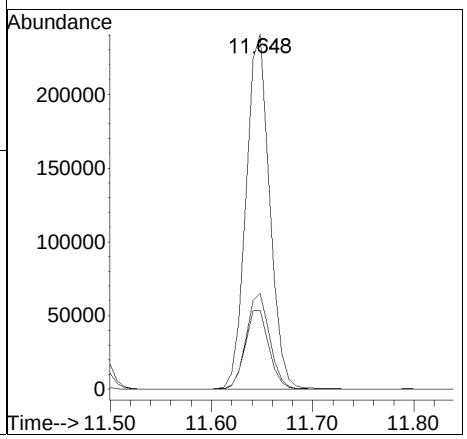


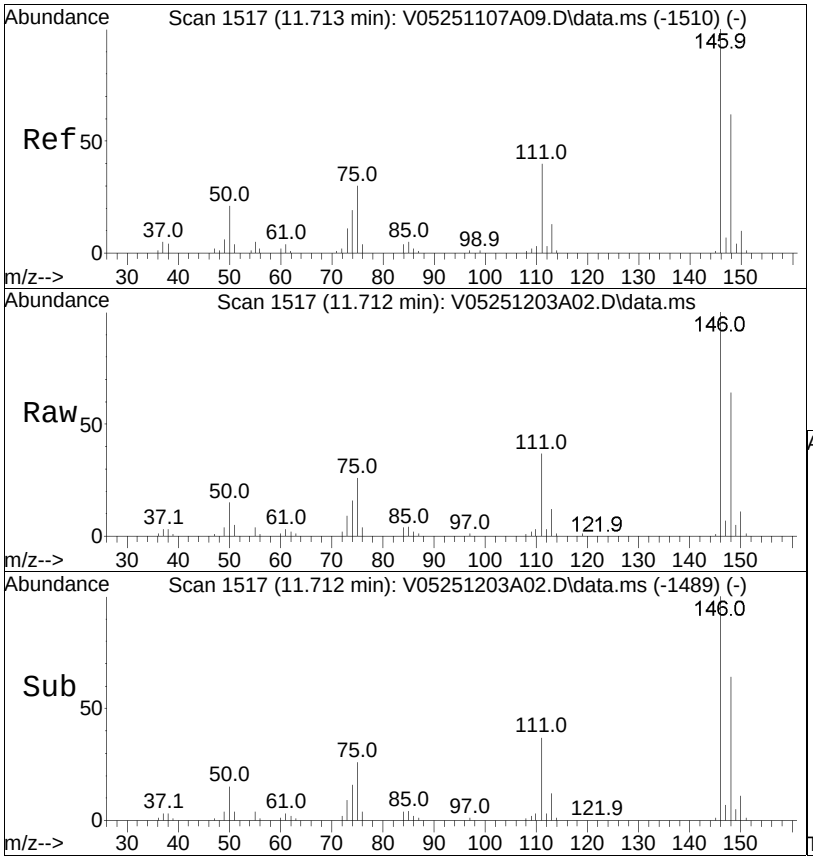


#99
p-Isopropyltoluene
Concen: 7.83 ug/L
RT: 11.648 min Scan# 1508
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:119 Resp: 391774

Ion	Ratio	Lower	Upper
119	100		
134	26.8	16.8	35.0
91	22.9	15.9	32.9

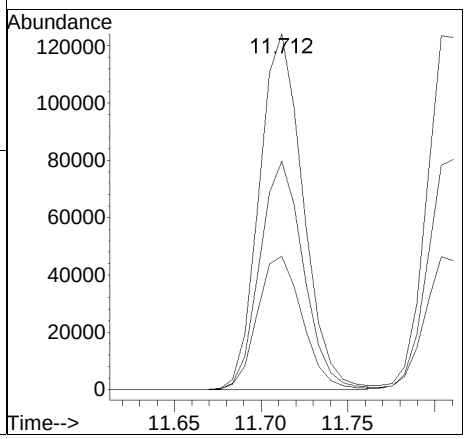


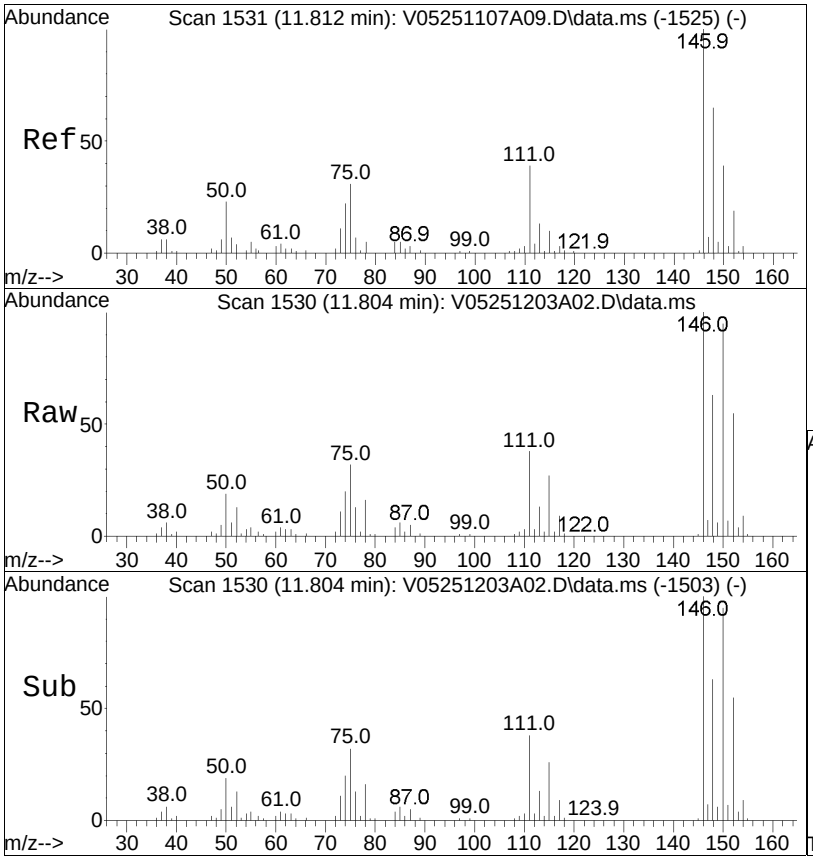


#100
1,3-Dichlorobenzene
Concen: 9.22 ug/L
RT: 11.712 min Scan# 1517
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:146 Resp: 217889

Ion	Ratio	Lower	Upper
146	100		
111	38.4	26.7	55.4
148	64.1	41.5	86.1

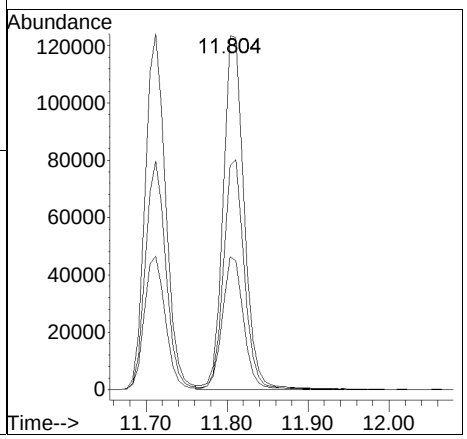


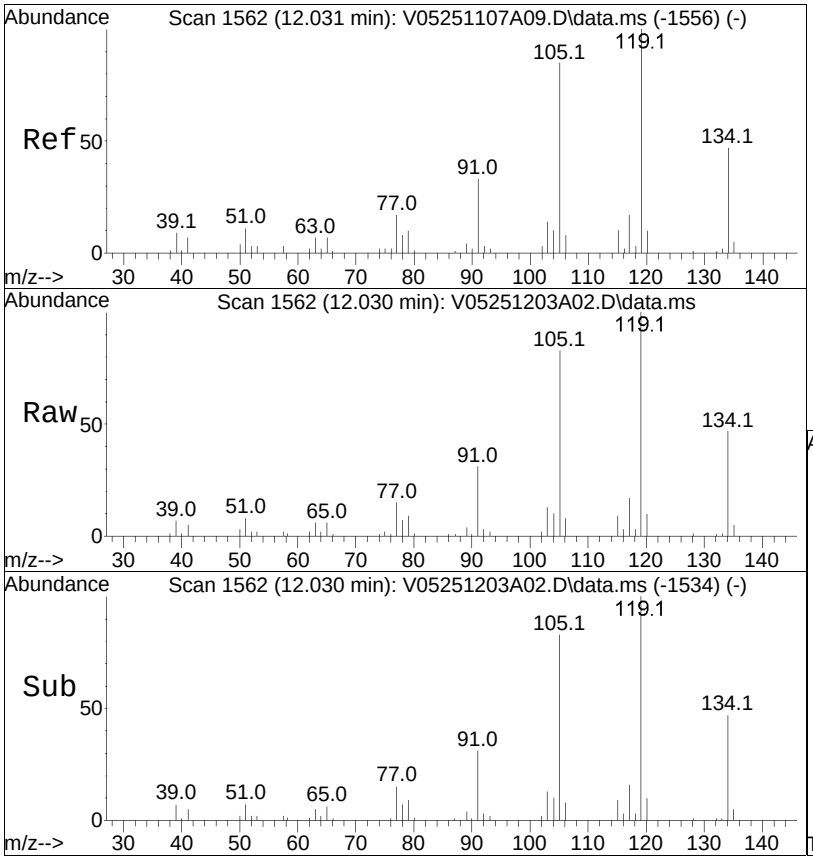


#101
1,4-Dichlorobenzene
Concen: 9.03 ug/L
RT: 11.804 min Scan# 1530
Delta R.T. -0.008 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:146 Resp: 222878

Ion	Ratio	Lower	Upper
146	100		
111	38.0	32.2	48.4
148	64.2	51.7	77.5

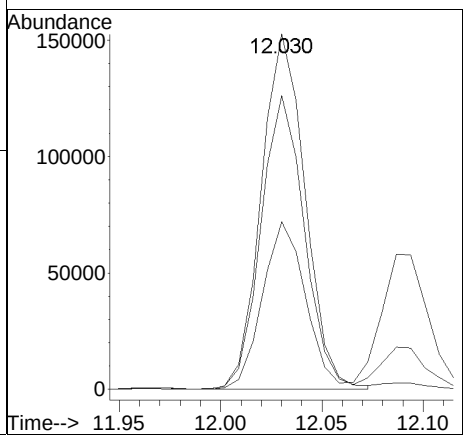


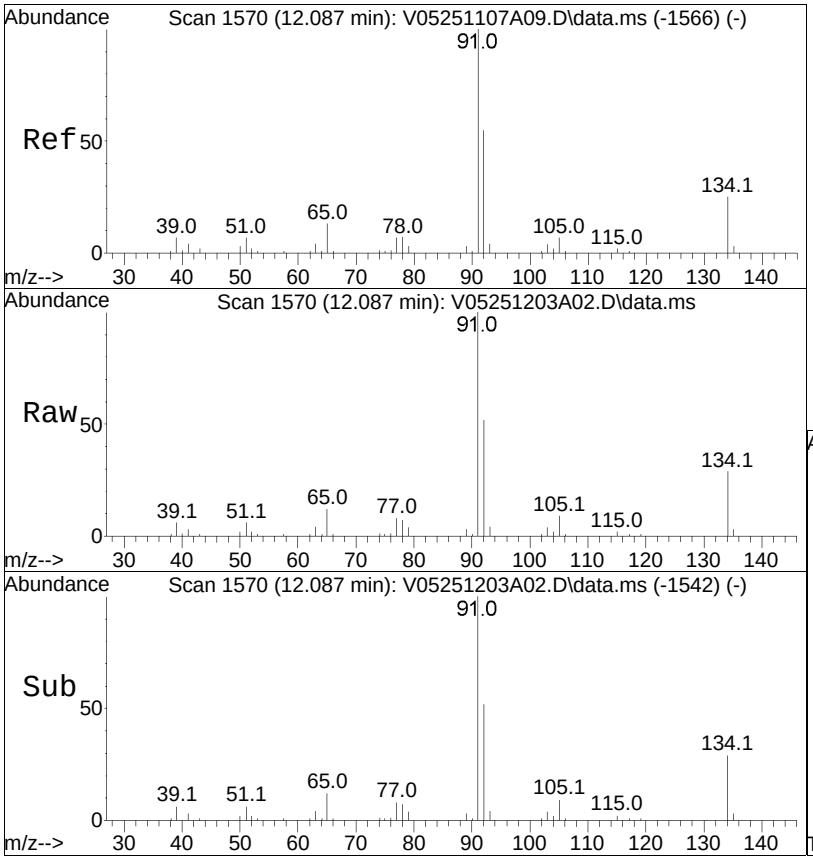


#102
p-Diethylbenzene
Concen: 8.16 ug/L
RT: 12.030 min Scan# 1562
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:119 Resp: 229317

Ion	Ratio	Lower	Upper
119	100		
105	81.6	53.8	111.6
134	46.3	30.0	62.2

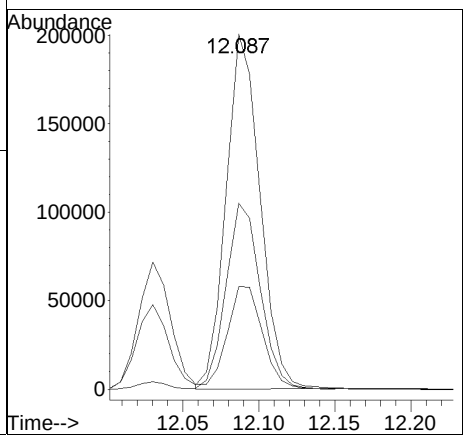


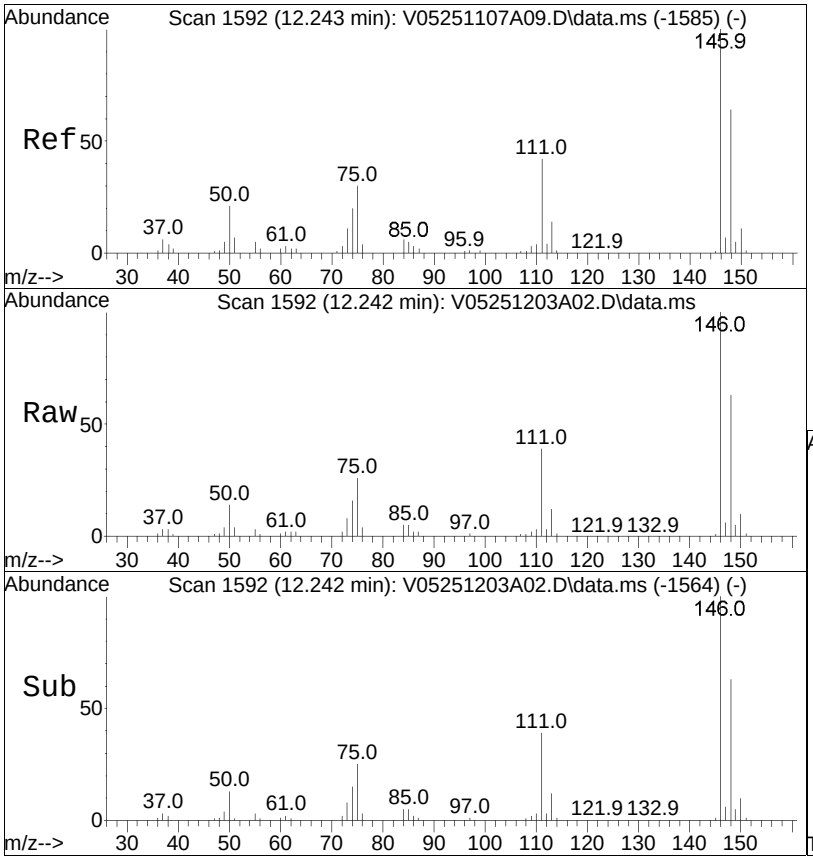


#103
n-Butylbenzene
Concen: 7.72 ug/L
RT: 12.087 min Scan# 1570
Delta R.T. -0.000 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion: 91 Resp: 311455

Ion	Ratio	Lower	Upper
91	100		
92	53.9	43.3	64.9
134	30.4	21.6	32.4

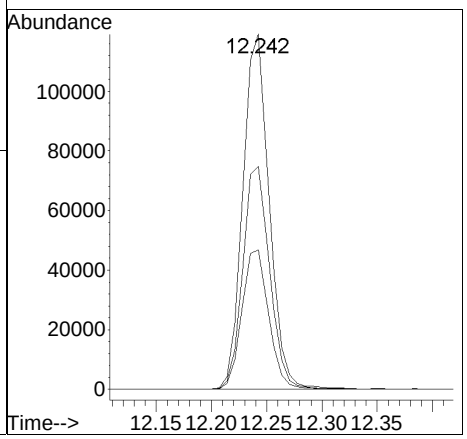


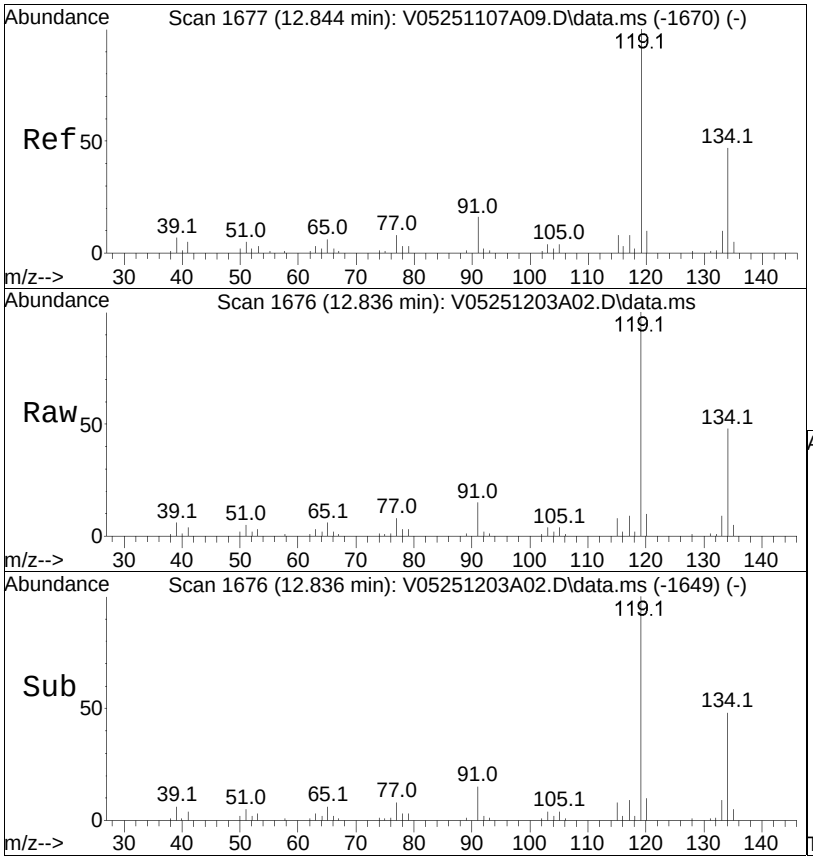


#104
1,2-Dichlorobenzene
Concen: 9.39 ug/L
RT: 12.242 min Scan# 1592
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:146 Resp: 198618

Ion	Ratio	Lower	Upper
146	100		
111	39.9	27.7	57.5
148	64.0	40.9	84.9

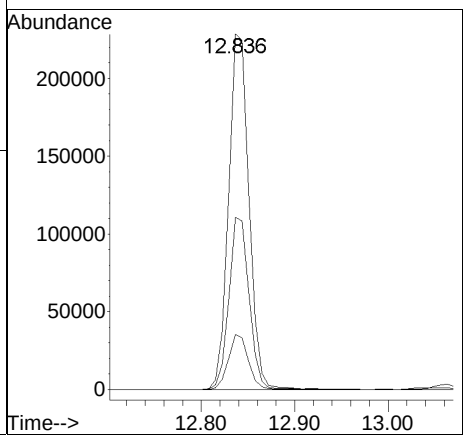


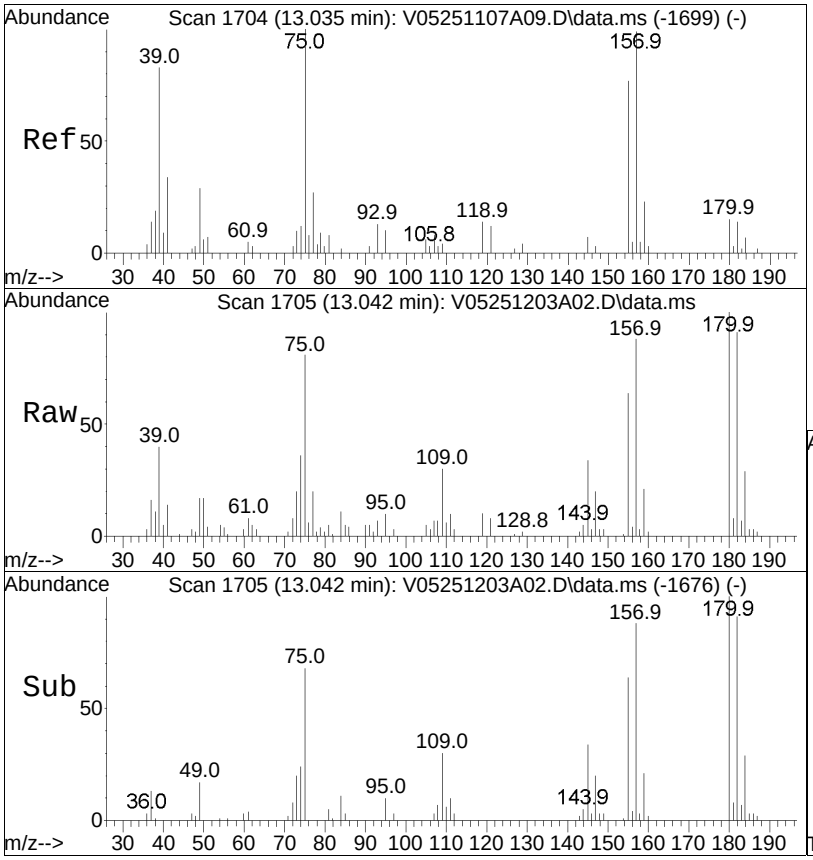


#105
1,2,4,5-Tetramethylbenzene
Concen: 8.65 ug/L
RT: 12.836 min Scan# 1676
Delta R.T. -0.008 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:119 Resp: 346446

Ion	Ratio	Lower	Upper
119	100		
134	47.9	30.9	64.3
91	15.1	10.7	22.3

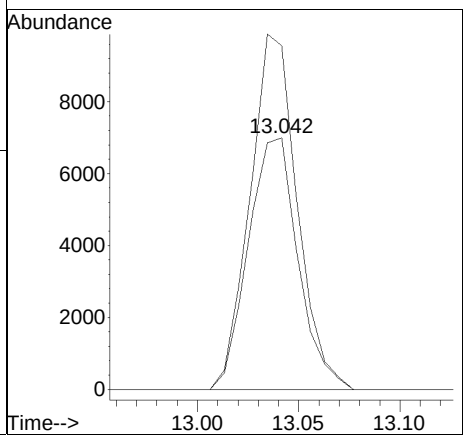


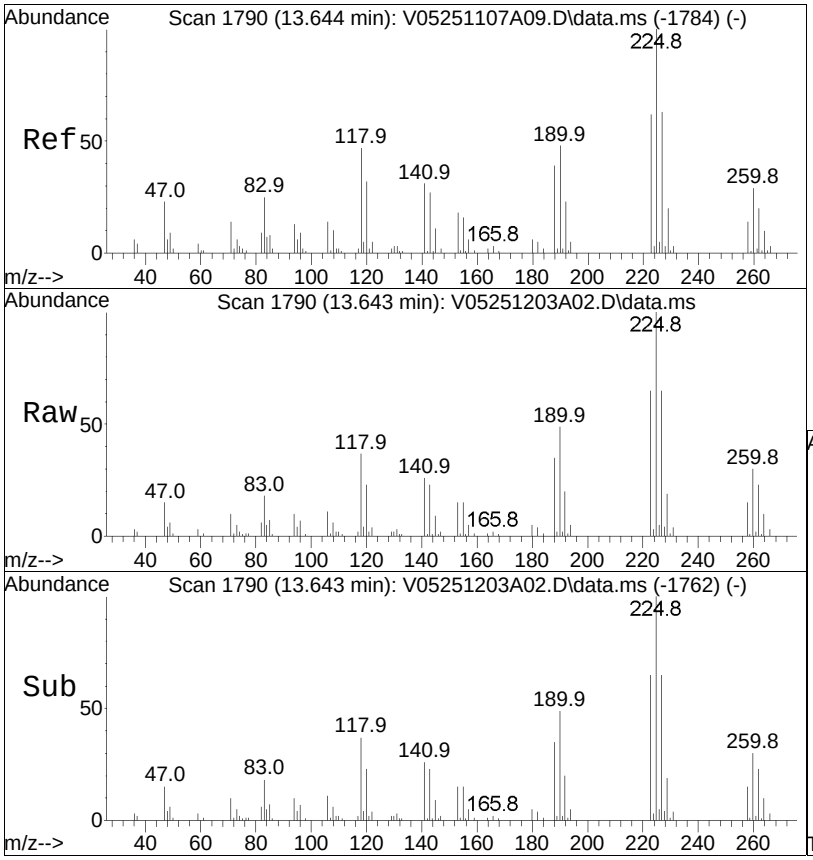


#106
1,2-Dibromo-3-chloropropane
Concen: 9.77 ug/L
RT: 13.042 min Scan# 1705
Delta R.T. 0.007 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:155 Resp: 11952

Ion	Ratio	Lower	Upper
155	100		
157	133.9	103.2	154.8

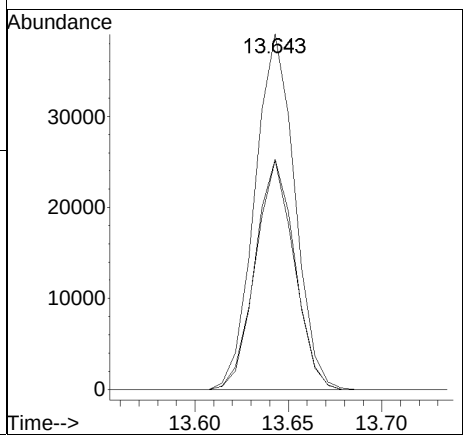


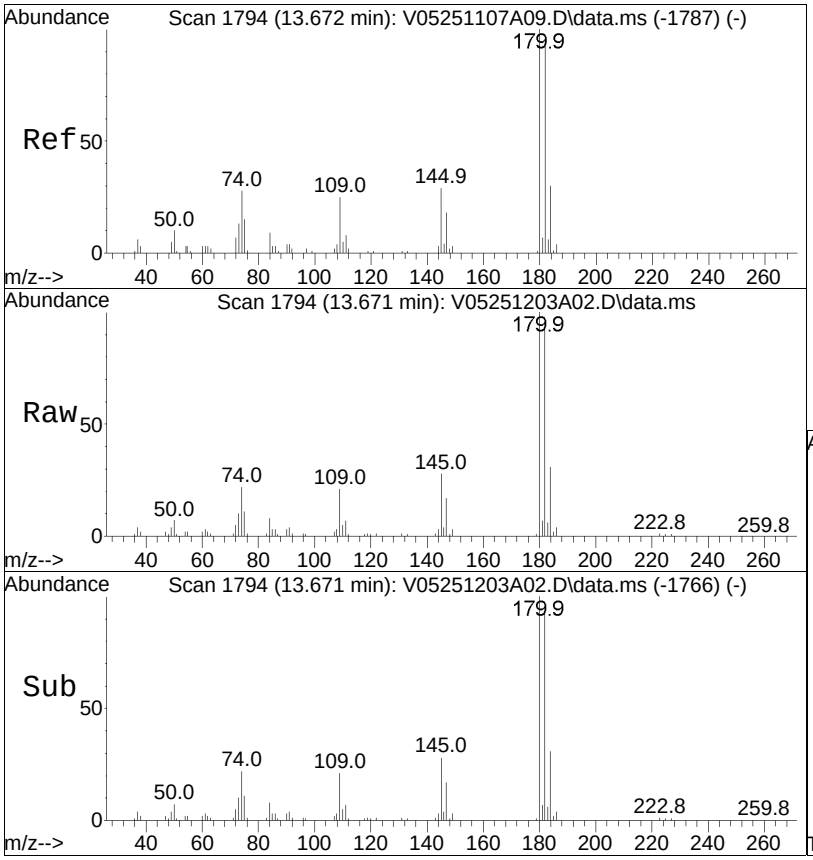


#108
Hexachlorobutadiene
Concen: 9.82 ug/L
RT: 13.643 min Scan# 1790
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:225 Resp: 58105

Ion	Ratio	Lower	Upper
225	100		
223	62.9	49.8	74.6
227	64.0	51.1	76.7

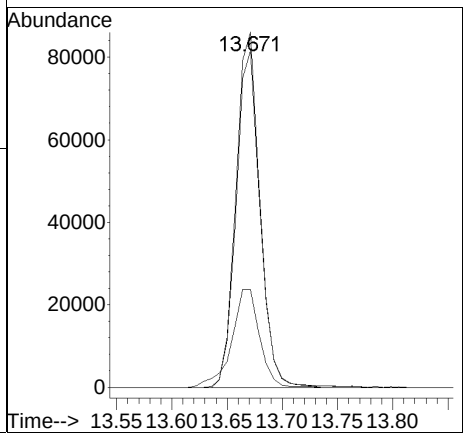


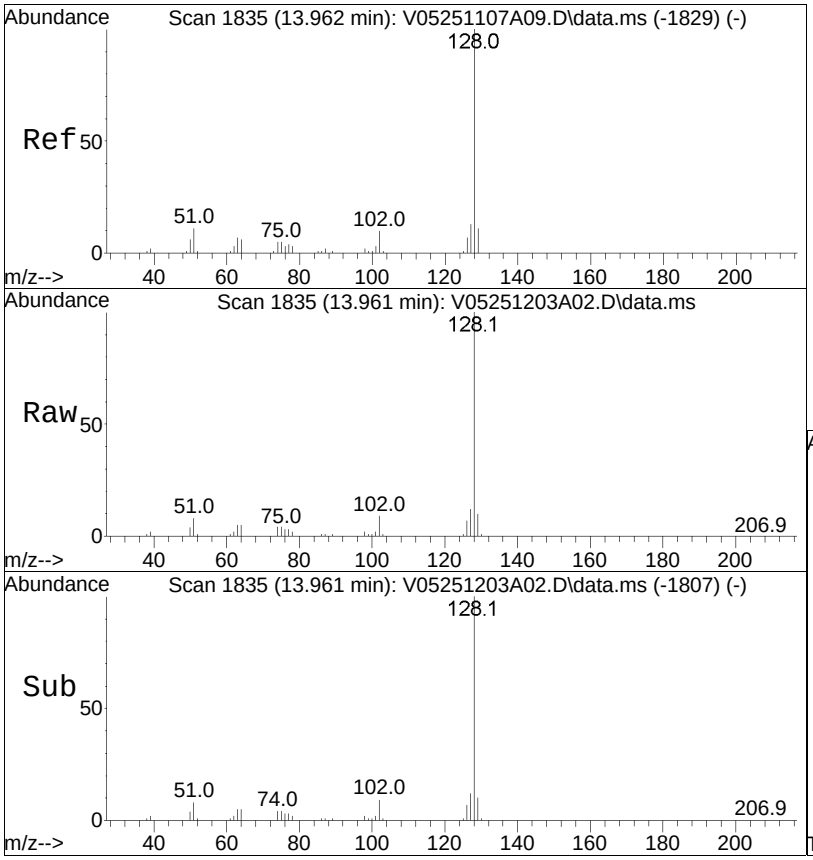


#109
1,2,4-Trichlorobenzene
Concen: 10.15 ug/L
RT: 13.671 min Scan# 1794
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:180 Resp: 130319

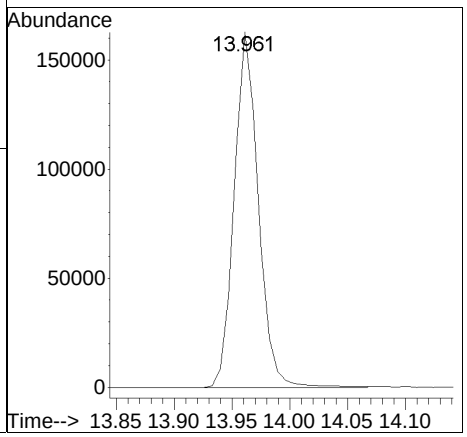
Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.1	114.1
145	32.1	28.2	42.2

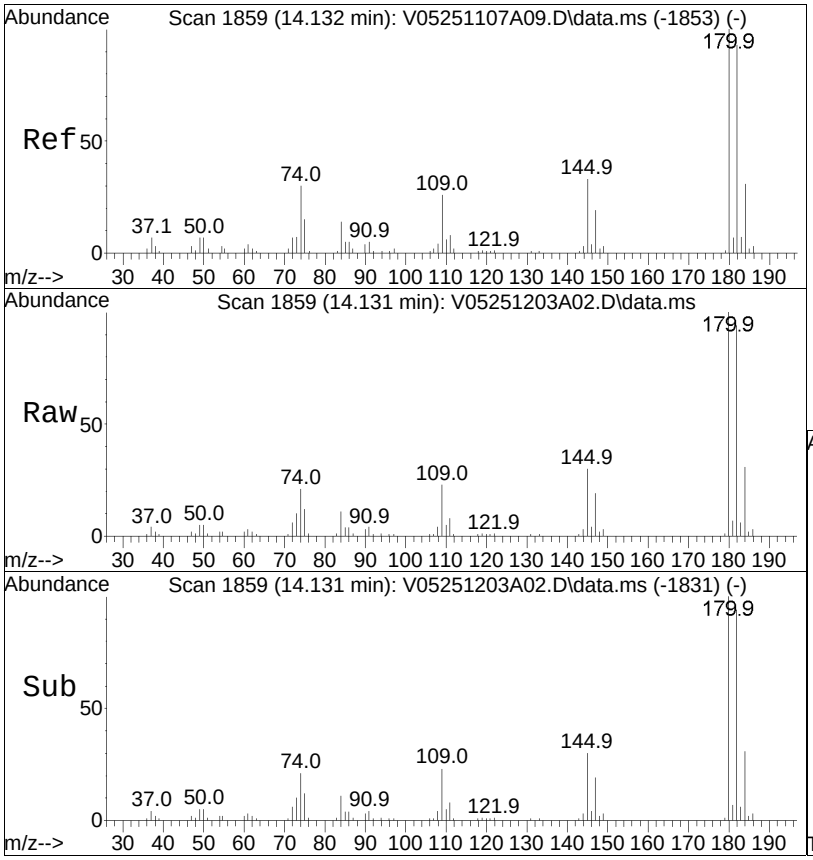




#110
Naphthalene
Concen: 9.87 ug/L
RT: 13.961 min Scan# 1835
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:128 Resp: 235861

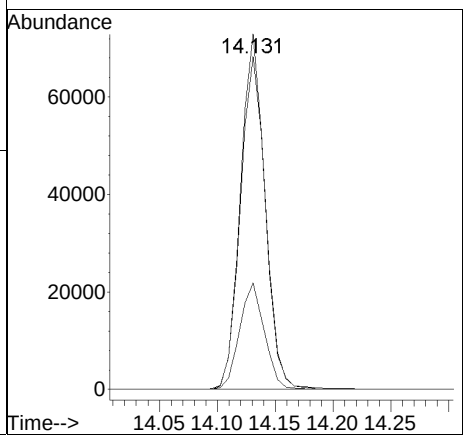




#111
1,2,3-Trichlorobenzene
Concen: 10.51 ug/L
RT: 14.131 min Scan# 1859
Delta R.T. -0.001 min
Lab File: V05251203A02.D
Acq: 3 Dec 2025 9:16 am

Tgt Ion:180 Resp: 108048

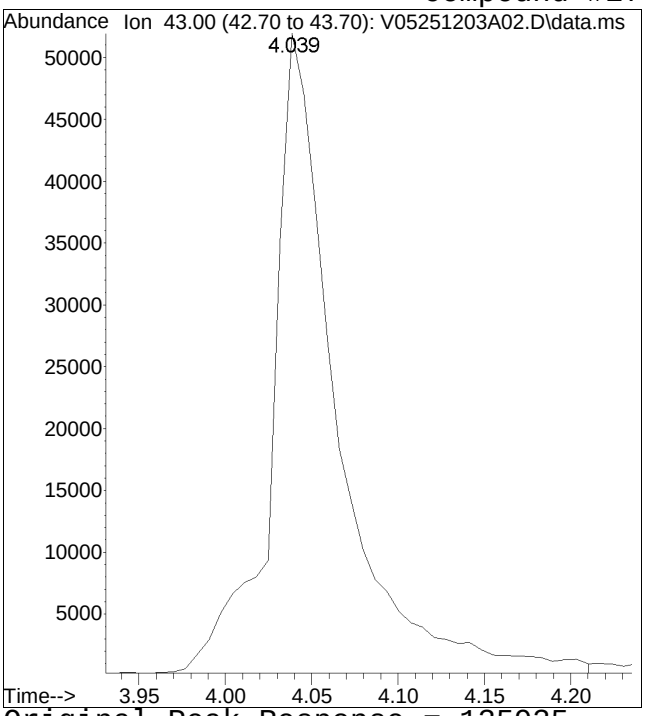
Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.8	113.6
145	30.1	26.7	40.1



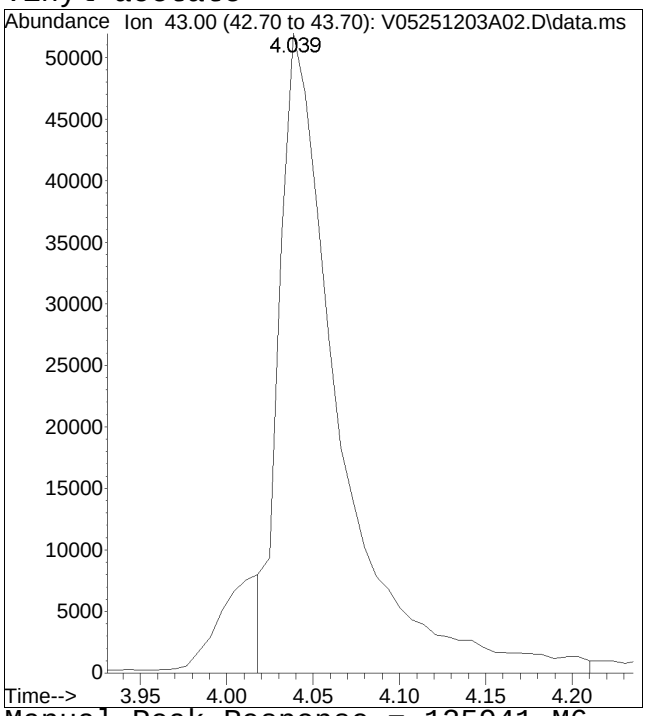
Manual Integration Report

Data Path	: K:\VOA105\2025\251203A\	QMethod	: V105_251107A_8260.m
Data File	: V05251203A02.D	Operator	: VOA105:PID
Date Inj'd	: 12/3/2025 9:16 am	Instrument	: VOA105
Sample	: WG2149674-4,31,10,10	Quant Date	: 12/3/2025 10:37 am

Compound #27: Vinyl acetate



Original Peak Response = 135935



Manual Peak Response = 125941 M6

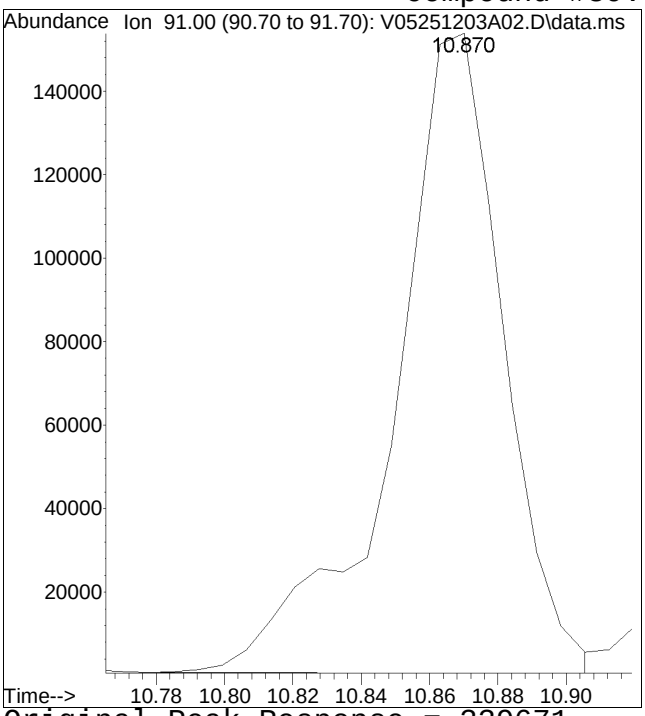
M6 = Misassignment of peak valley

Manual Integration Report

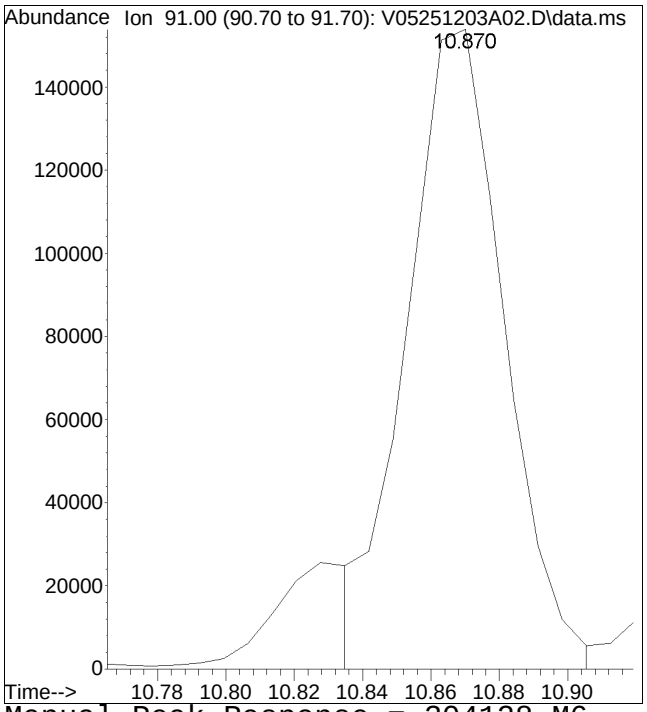
Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A02.D
Date Inj'd : 12/3/2025 9:16 am
Sample : WG2149674-4,31,10,10

QMethod : V105_251107A_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 12/3/2025 10:37 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 339671



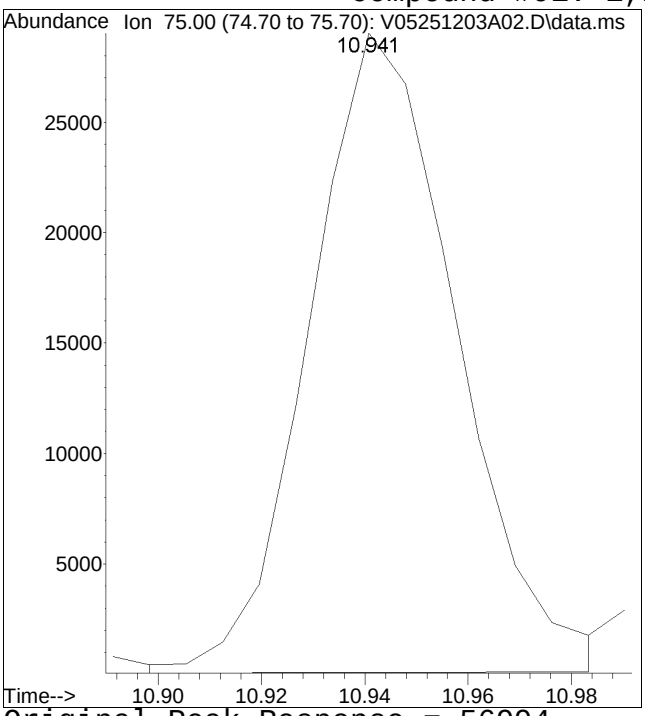
Manual Peak Response = 304128 M6

M6 = Misassignment of peak valley

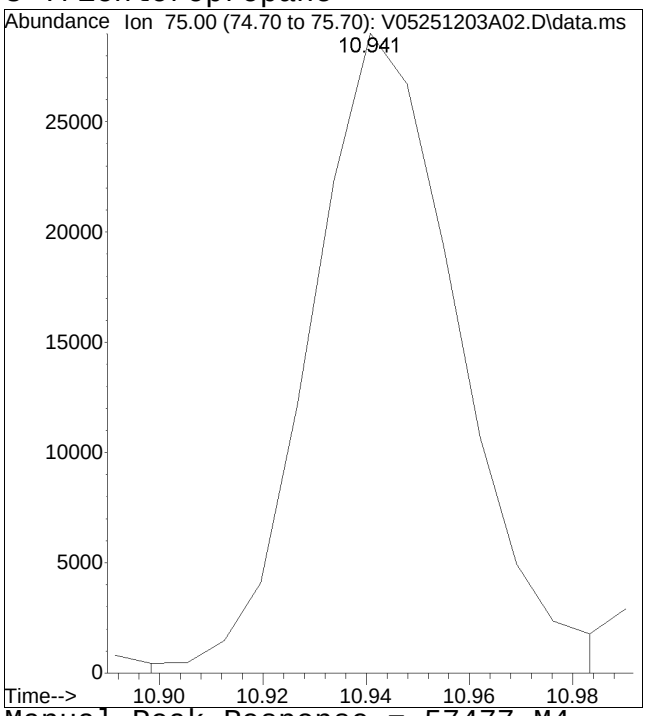
Manual Integration Report

Data Path	: K:\VOA105\2025\251203A\	QMethod	: V105_251107A_8260.m
Data File	: V05251203A02.D	Operator	: VOA105:PID
Date Inj'd	: 12/3/2025 9:16 am	Instrument	: VOA105
Sample	: WG2149674-4,31,10,10	Quant Date	: 12/3/2025 10:37 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 56994



Manual Peak Response = 57477 M4

M4 = Baseline adjustment required

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B02.D
Acq On : 05 Dec 2025 12:31 pm
Operator : VOA122:PID
Sample : WG2150855-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 05 13:26:30 2025
Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251205B\V22251205B01.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.710	96	340282	10.000 ug/L	0.00
Standard Area 1 = 330379			Recovery = 103.00%		
62) Chlorobenzene-d5	9.225	117	255973	10.000 ug/L	0.00
Standard Area 1 = 247058			Recovery = 103.61%		
83) 1,4-Dichlorobenzene-d4	11.993	152	136591	10.000 ug/L	0.00
Standard Area 1 = 132762			Recovery = 102.88%		
System Monitoring Compounds					
38) Dibromofluoromethane	4.912	113	95285	10.547 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.47%		
46) 1,2-Dichloroethane-d4	5.423	65	106010	12.153 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 121.53%		
63) Toluene-d8	7.388	98	345782	10.453 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.53%		
87) 4-Bromofluorobenzene	10.754	95	127925	10.698 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.98%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.515	85	65821	11.385 ug/L	98
3) Chloromethane	1.687	50	67396	12.056 ug/L	100
4) Vinyl chloride	1.750	62	74205	11.740 ug/L	98
5) Bromomethane	2.040	94	38013	8.565 ug/L	97
6) Chloroethane	2.142	64	57584	11.959 ug/L	96
7) Trichlorofluoromethane	2.276	101	77561	12.293 ug/L	96
8) Ethyl ether	2.558	74	19635	11.318 ug/L #	81
10) 1,1-Dichloroethene	2.738	96	40644	10.765 ug/L	79
11) Carbon disulfide	2.770	76	163662	12.805 ug/L	99
15) Methylene chloride	3.264	84	48940	11.150 ug/L	78
17) Acetone	3.296	43	8133	12.388 ug/L	99
18) trans-1,2-Dichloroethene	3.413	96	45433	10.773 ug/L	88
21) Methyl tert-butyl ether	3.507	73	78245	10.087 ug/L #	88
25) 1,1-Dichloroethane	3.970	63	97669	12.865 ug/L	97
27) Acrylonitrile	4.009	53	10220	12.456 ug/L	97
29) Vinyl acetate	4.198	43	82569	14.461 ug/L	96
30) cis-1,2-Dichloroethene	4.480	96	48337	10.799 ug/L	90
31) 2,2-Dichloropropane	4.574	77	73060	12.391 ug/L	90
32) Bromochloromethane	4.661	128	21466	10.381 ug/L #	72
34) Chloroform	4.739	83	84326	11.031 ug/L	96

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B02.D
Acq On : 05 Dec 2025 12:31 pm
Operator : VOA122:PID
Sample : WG2150855-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 05 13:26:30 2025
Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251205B\V22251205B01.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	4.872	117	68083	11.566	ug/L		98
39) 1,1,1-Trichloroethane	4.935	97	76356	11.522	ug/L		95
41) 2-Butanone	5.021	43	9607M6	12.354	ug/L		
42) 1,1-Dichloropropene	5.053	75	60586	11.006	ug/L		96
44) Benzene	5.296	78	129285	12.240	ug/L		95
47) 1,2-Dichloroethane	5.493	62	58263	12.732	ug/L		98
51) Trichloroethene	5.884	95	48013	10.258	ug/L		91
53) Dibromomethane	6.317	93	23134	10.902	ug/L		89
54) 1,2-Dichloropropane	6.415	63	52407	12.588	ug/L		95
57) Bromodichloromethane	6.492	83	47385	12.187	ug/L		99
60) 1,4-Dioxane	6.700	88	10121	405.554	ug/L	#	81
61) cis-1,3-Dichloropropene	7.180	75	64085	10.720	ug/L		91
64) Toluene	7.451	92	110834	10.930	ug/L		99
65) 4-Methyl-2-pentanone	7.882	58	7189	9.827	ug/L		88
66) Tetrachloroethene	7.896	166	42644	9.921	ug/L		91
68) trans-1,3-Dichloropropene	7.923	75	51916	11.210	ug/L		92
71) 1,1,2-Trichloroethane	8.111	83	26169	11.269	ug/L		97
72) Chlorodibromomethane	8.319	129	37133	10.224	ug/L		98
73) 1,3-Dichloropropane	8.424	76	53043	11.521	ug/L		98
74) 1,2-Dibromoethane	8.584	107	29200	10.585	ug/L		97
76) 2-Hexanone	8.882	43	12950	9.749	ug/L		94
77) Chlorobenzene	9.246	112	121404	10.536	ug/L		95
78) Ethylbenzene	9.288	91	218965	10.594	ug/L		97
79) 1,1,1,2-Tetrachloroethane	9.330	131	39755	10.104	ug/L		99
80) p/m Xylene	9.477	106	164188	19.603	ug/L		94
81) o Xylene	10.024	106	155825	19.270	ug/L		96
82) Styrene	10.095	104	262076	19.851	ug/L		95
84) Bromoform	10.109	173	19670	9.390	ug/L		100
86) Isopropylbenzene	10.424	105	212197	10.149	ug/L		97
88) Bromobenzene	10.866	156	44960	9.850	ug/L		99
89) n-Propylbenzene	10.922	91	268666	10.740	ug/L		96
91) 1,1,2,2-Tetrachloroethane	11.006	83	37894	12.206	ug/L		99
92) 4-Ethyltoluene	11.055	105	215324	10.436	ug/L		98
93) 2-Chlorotoluene	11.083	91	157803M6	11.058	ug/L		
94) 1,3,5-Trimethylbenzene	11.160	105	181532	10.326	ug/L		97
95) 1,2,3-Trichloropropane	11.146	75	30047	12.215	ug/L		95
96) trans-1,4-Dichloro-2-b...	11.203	53	11790	13.446	ug/L		81
97) 4-Chlorotoluene	11.273	91	159182	10.678	ug/L		98
98) tert-Butylbenzene	11.504	119	145756	9.664	ug/L		96

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B02.D
Acq On : 05 Dec 2025 12:31 pm
Operator : VOA122:PID
Sample : WG2150855-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 05 13:26:30 2025
Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\251205B\V22251205B01.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	11.581	105	176902	10.380	ug/L	97
102) sec-Butylbenzene	11.693	105	141443	11.540	ug/L	98
103) p-Isopropyltoluene	11.861	119	186319	10.074	ug/L	98
104) 1,3-Dichlorobenzene	11.909	146	97859	10.335	ug/L	97
105) 1,4-Dichlorobenzene	12.007	146	97137	10.402	ug/L	98
106) p-Diethylbenzene	12.236	119	107302	10.035	ug/L	96
107) n-Butylbenzene	12.299	91	187364	11.675	ug/L	97
108) 1,2-Dichlorobenzene	12.431	146	83962	10.210	ug/L	98
109) 1,2,4,5-Tetramethylben...	13.044	119	132353	9.196	ug/L	98
110) 1,2-Dibromo-3-chloropr...	13.225	155	4553	9.760	ug/L	92
112) Hexachlorobutadiene	13.844	225	17920	9.666	ug/L	98
113) 1,2,4-Trichlorobenzene	13.865	180	40473	9.084	ug/L	98
114) Naphthalene	14.158	128	83053	8.635	ug/L	100
115) 1,2,3-Trichlorobenzene	14.325	180	34026	9.317	ug/L	99

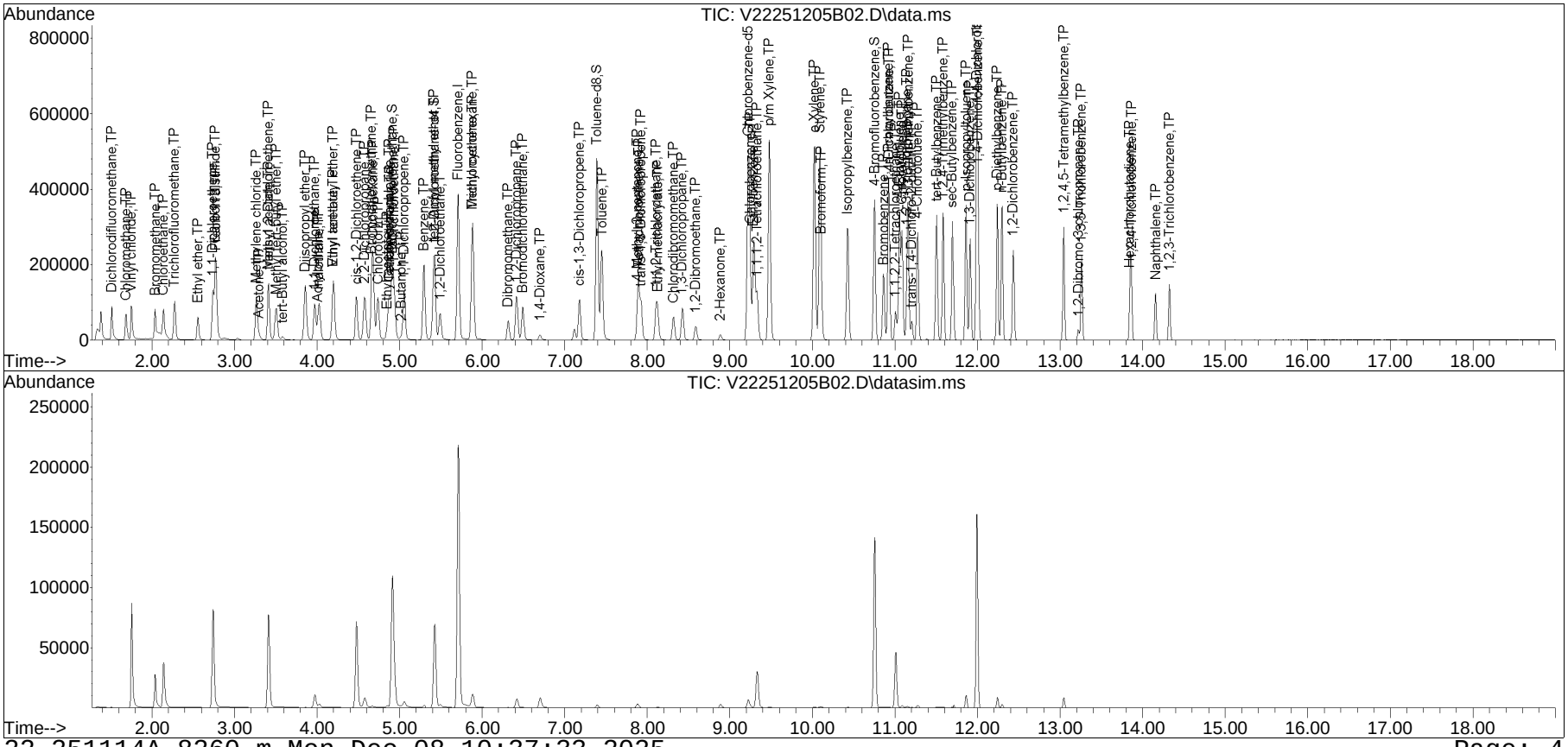
(#) = qualifier out of range (m) = manual integration (+) = signals summed

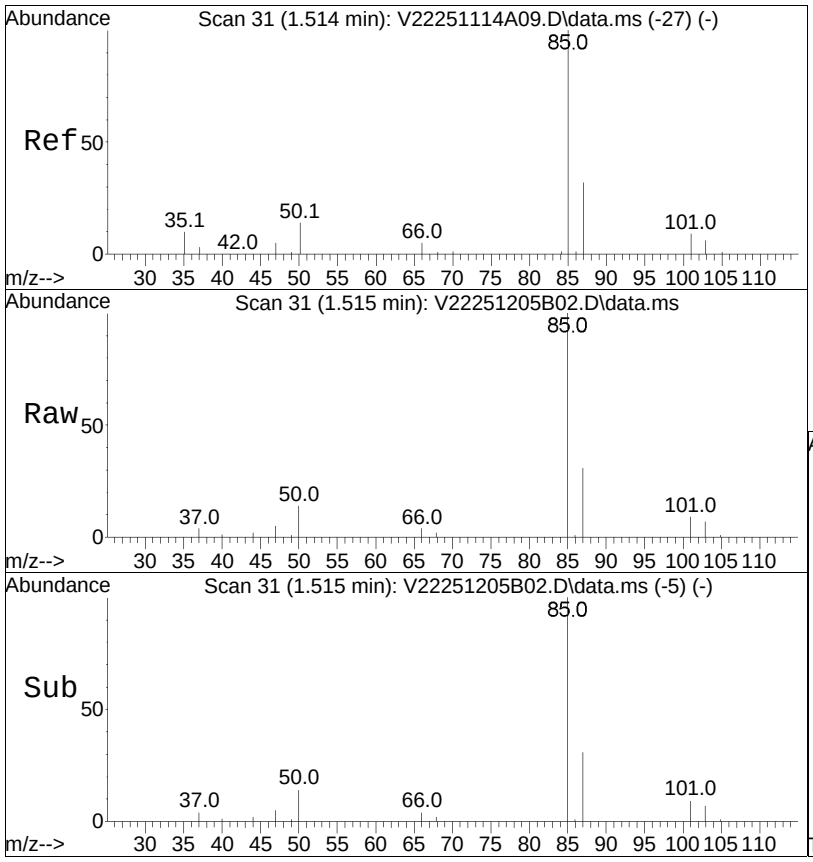
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B02.D
Acq On : 05 Dec 2025 12:31 pm
Operator : VOA122:PID
Sample : WG2150855-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2150855,ICAL22815 (Sig #1); WG,ICAL22815 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 05 13:26:30 2025
Quant Method : K:\VOA122\2025\251205B\V122_251114A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Nov 15 12:03:11 2025
Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

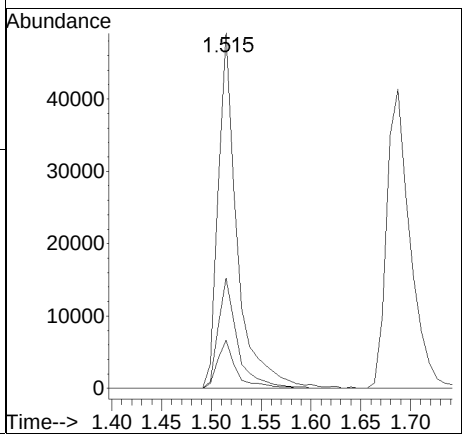


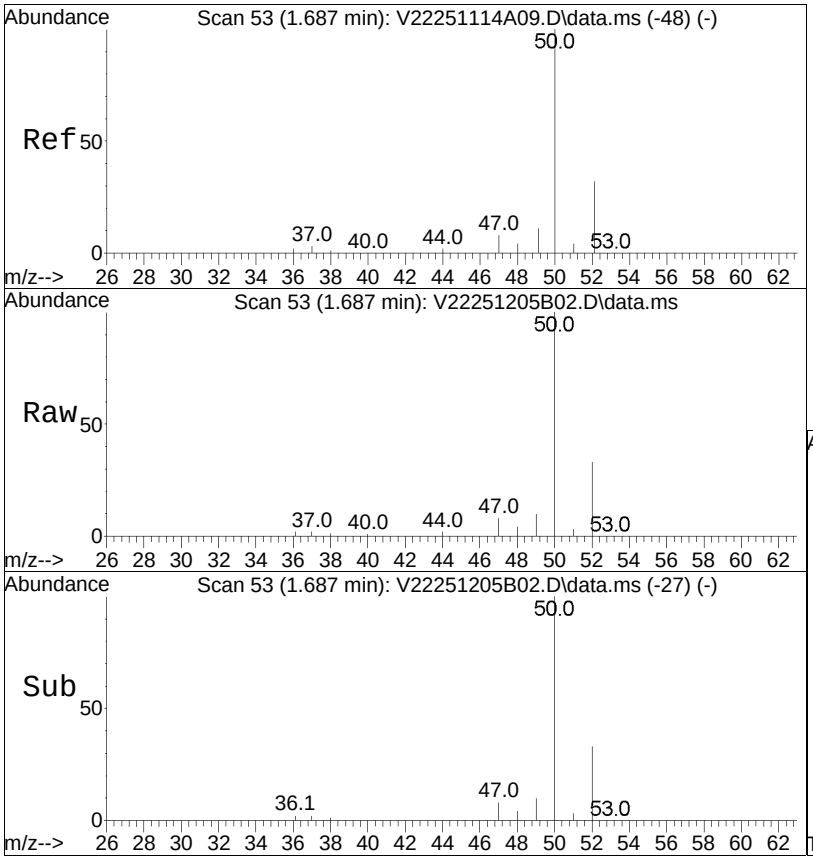


#2
Dichlorodifluoromethane
Concen: 11.39 ug/L
RT: 1.515 min Scan# 31
Delta R.T. 0.001 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 85 Resp: 65821

Ion	Ratio	Lower	Upper
85	100		
87	31.2	21.1	43.7
50	13.4	8.3	17.1

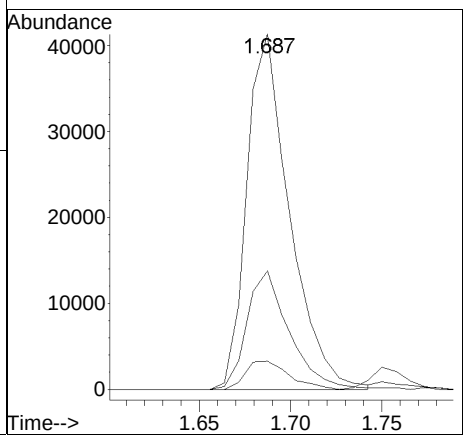


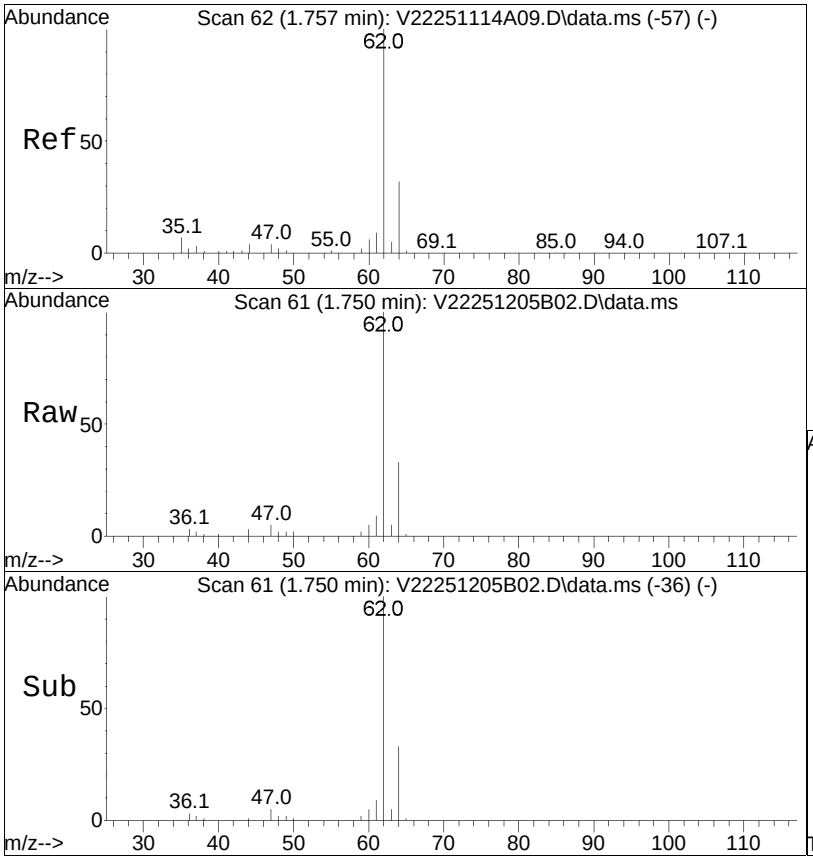


#3
Chloromethane
Concen: 12.06 ug/L
RT: 1.687 min Scan# 53
Delta R.T. 0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 50 Resp: 67396

Ion	Ratio	Lower	Upper
50	100		
52	33.2	13.1	53.1
47	8.2	0.0	27.9

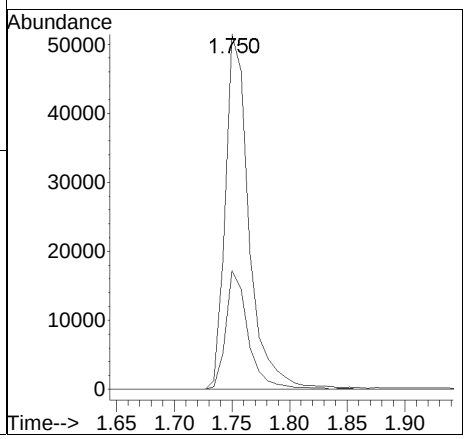


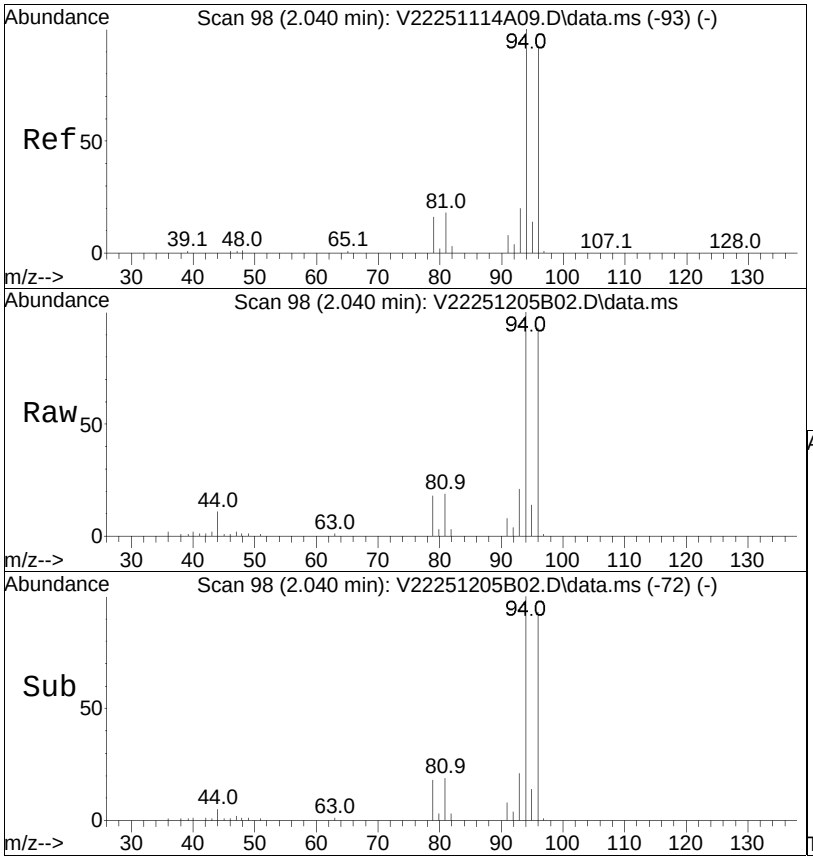


#4
Vinyl chloride
Concen: 11.74 ug/L
RT: 1.750 min Scan# 61
Delta R.T. -0.007 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 62 Resp: 74205

Ion	Ratio	Lower	Upper
62	100		
64	31.5	12.5	52.5

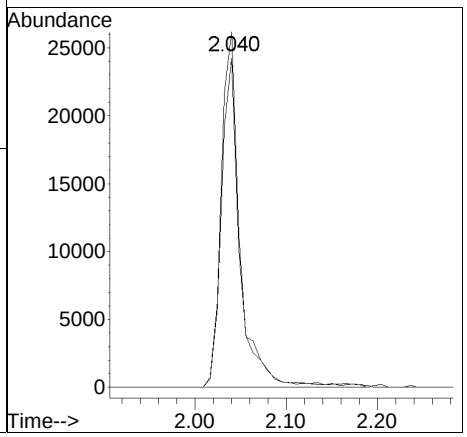


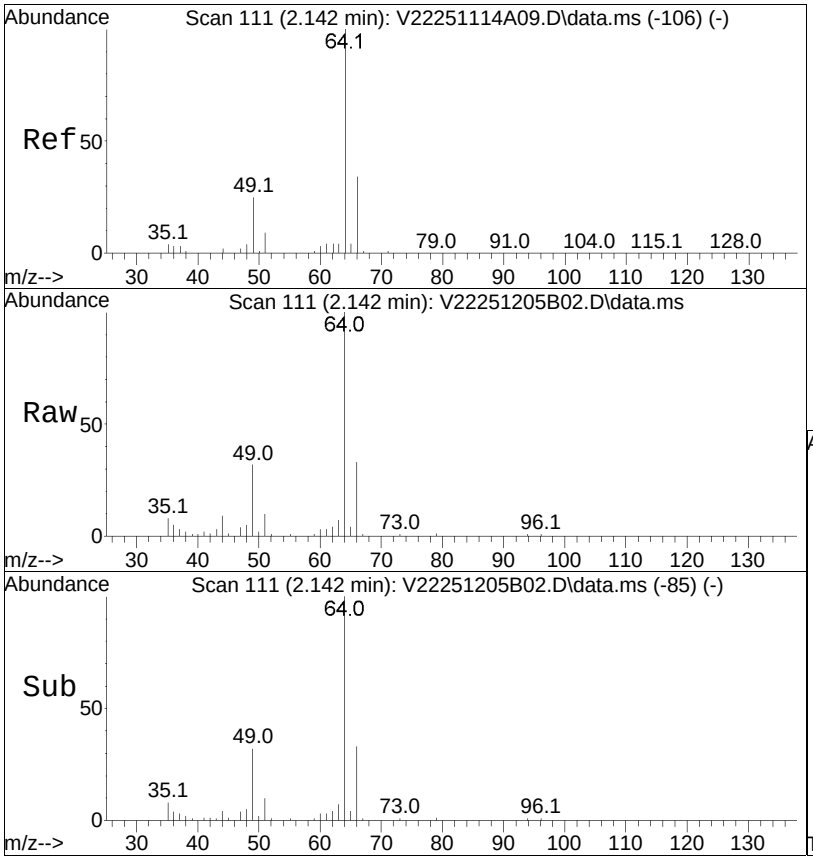


#5
Bromomethane
Concen: 8.57 ug/L
RT: 2.040 min Scan# 98
Delta R.T. 0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 94 Resp: 38013

Ion	Ratio	Lower	Upper
94	100		
96	89.7	72.2	112.2

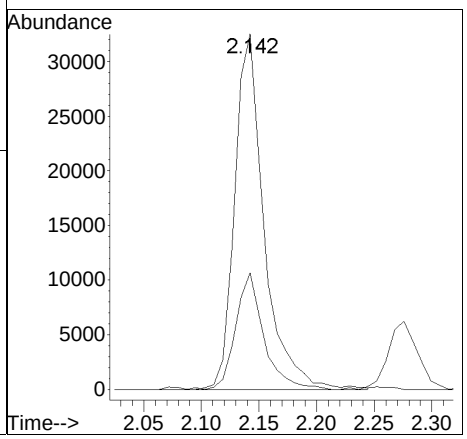


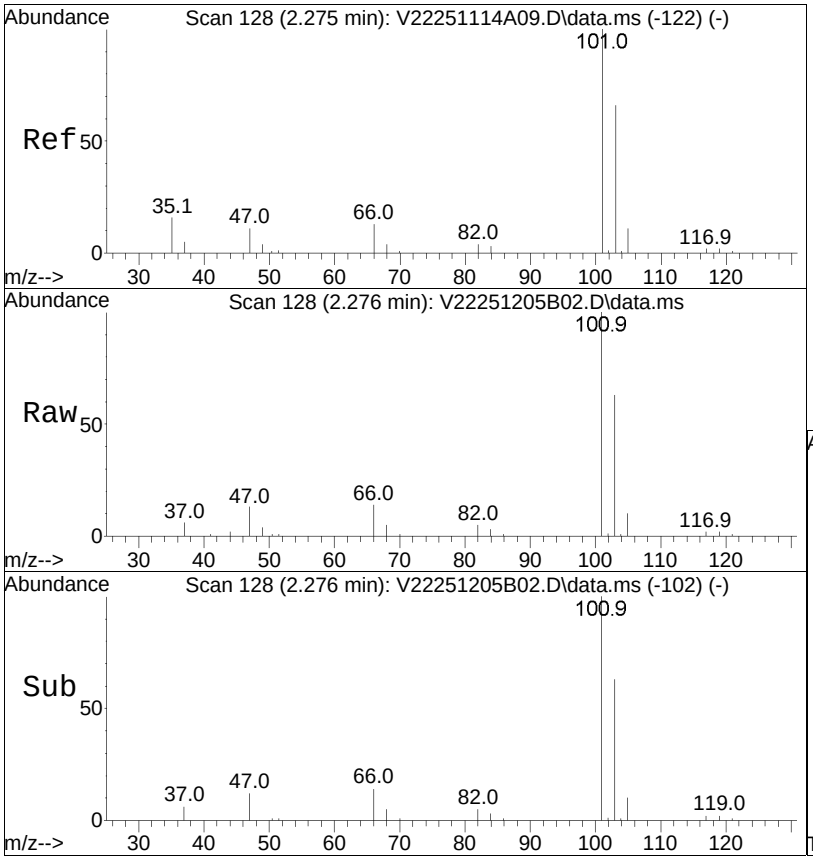


#6
Chloroethane
Concen: 11.96 ug/L
RT: 2.142 min Scan# 111
Delta R.T. 0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 64 Resp: 57584

Ion	Ratio	Lower	Upper
64	100		
66	31.4	13.6	53.6

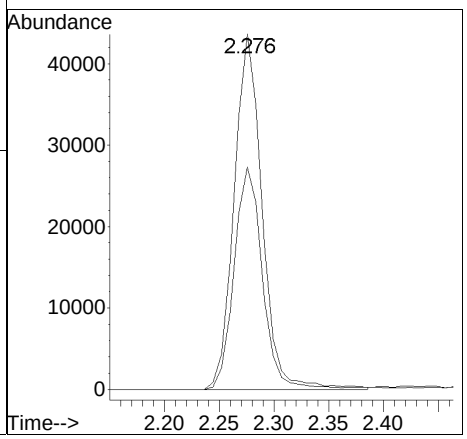


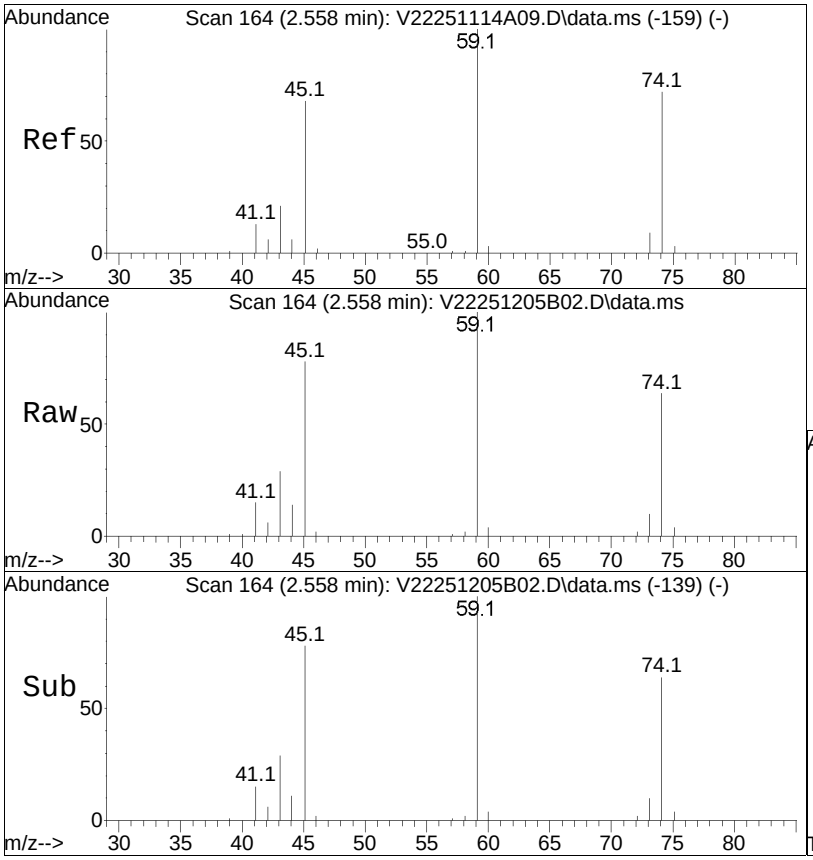


#7
Trichlorofluoromethane
Concen: 12.29 ug/L
RT: 2.276 min Scan# 128
Delta R.T. 0.001 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:101 Resp: 77561

Ion	Ratio	Lower	Upper
101	100		
103	63.1	53.3	79.9

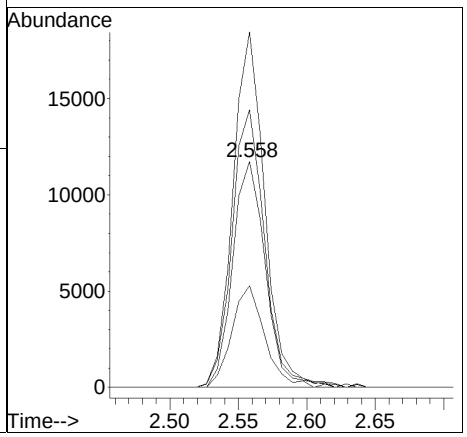


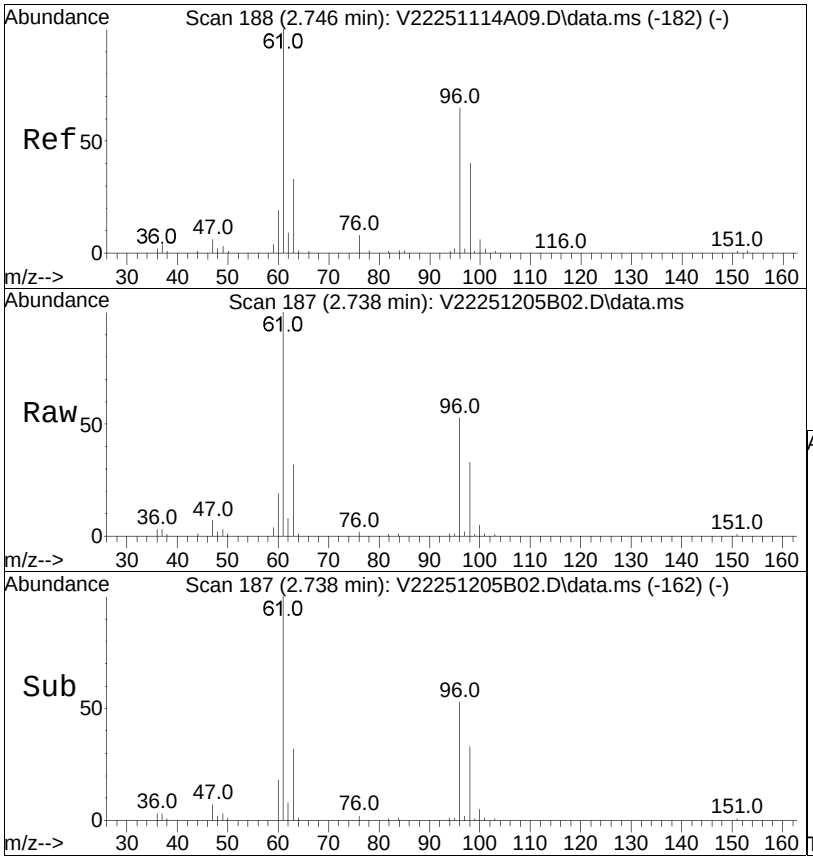


#8
Ethyl ether
Concen: 11.32 ug/L
RT: 2.558 min Scan# 164
Delta R.T. 0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 74 Resp: 19635

Ion	Ratio	Lower	Upper
74	100		
59	152.5	89.7	186.3
45	121.8	61.6	128.0
43	46.1	20.8	43.2#

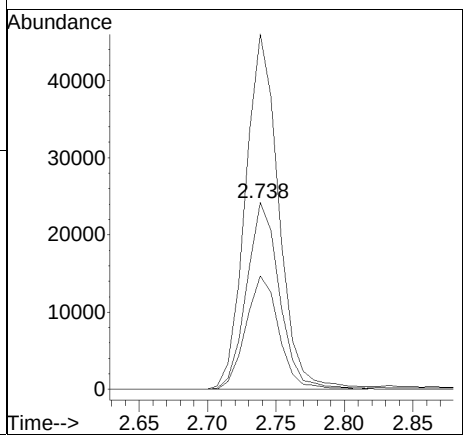


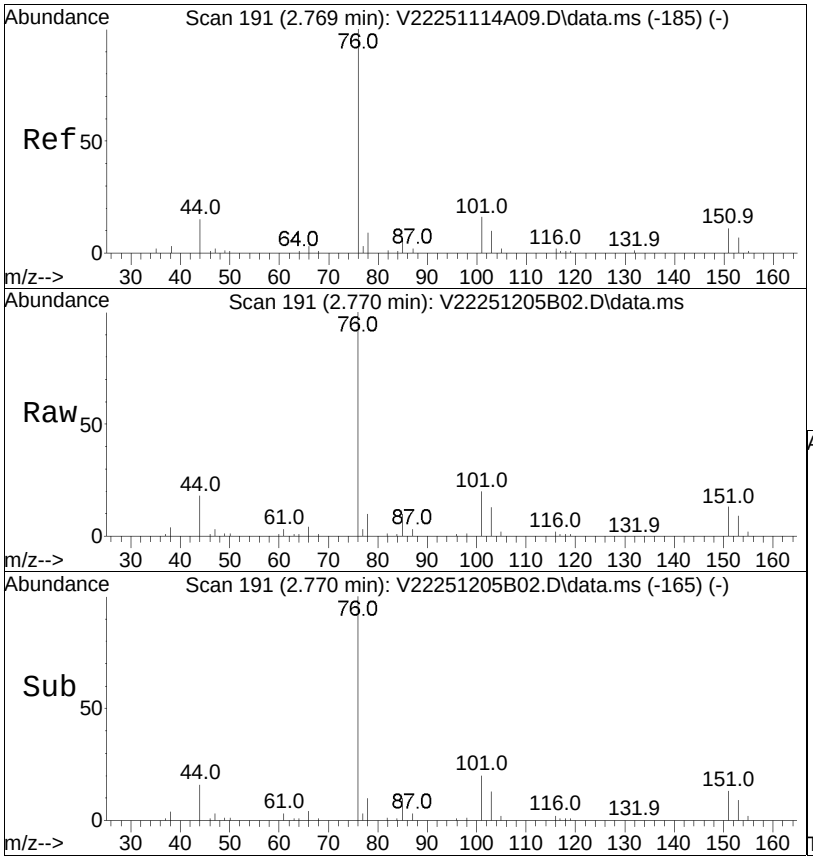


#10
1,1-Dichloroethene
Concen: 10.76 ug/L
RT: 2.738 min Scan# 187
Delta R.T. -0.008 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 96 Resp: 40644

Ion	Ratio	Lower	Upper
96	100		
61	192.4	128.4	192.6
63	61.1	41.8	62.6

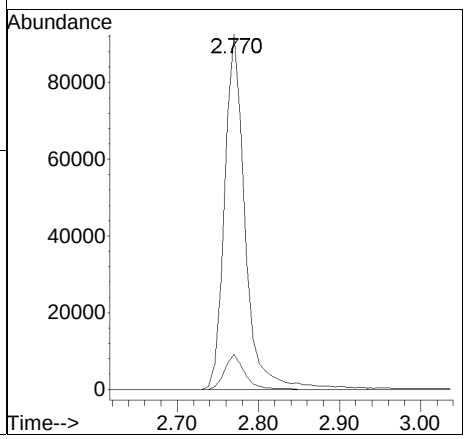


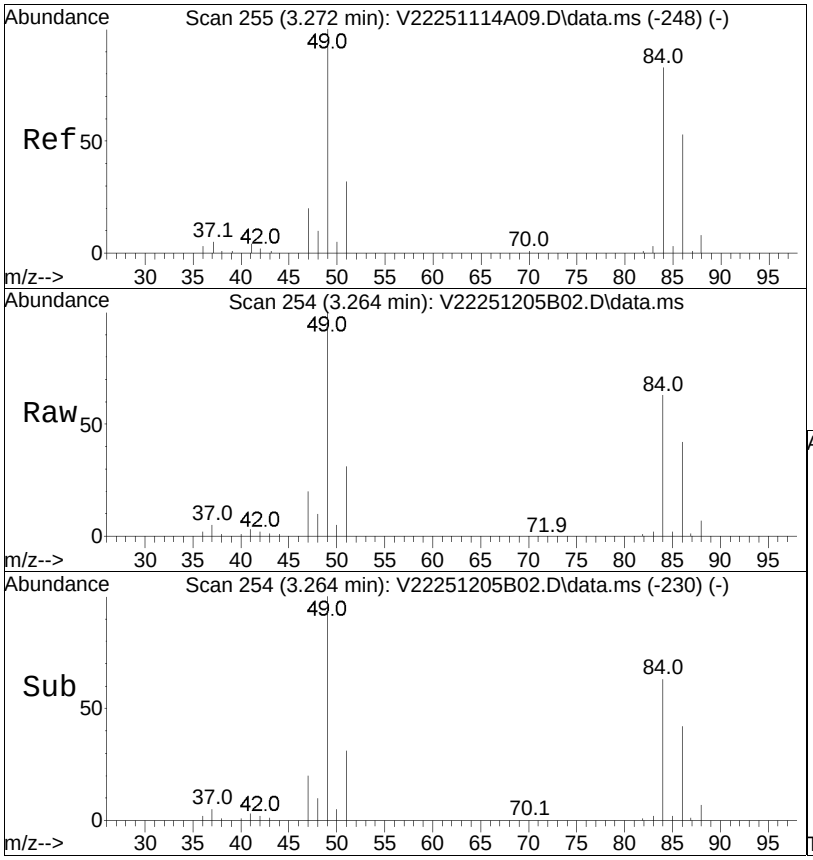


#11
Carbon disulfide
Concen: 12.81 ug/L
RT: 2.770 min Scan# 191
Delta R.T. 0.001 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 76 Resp: 163662

Ion	Ratio	Lower	Upper
76	100		
78	9.5	6.5	13.5

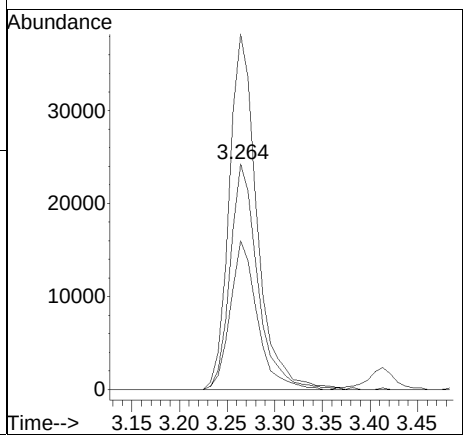


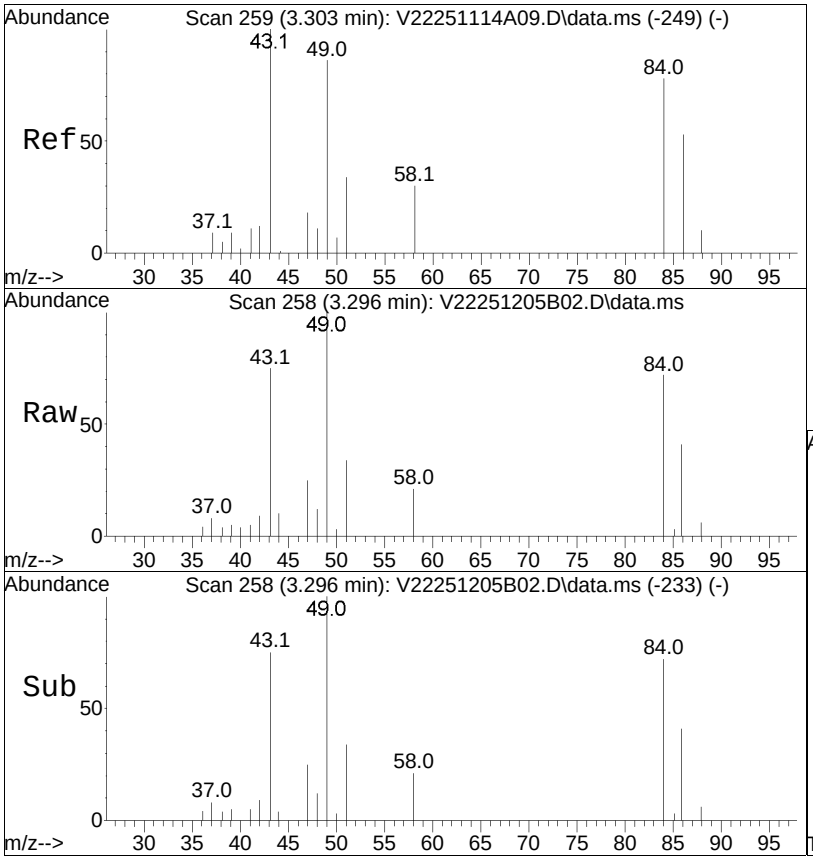


#15
Methylene chloride
Concen: 11.15 ug/L
RT: 3.264 min Scan# 254
Delta R.T. -0.008 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 84 Resp: 48940

Ion	Ratio	Lower	Upper
84	100		
86	64.5	41.3	85.7
49	158.6	79.7	165.5

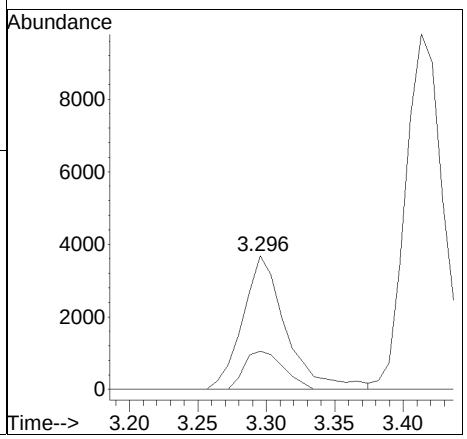


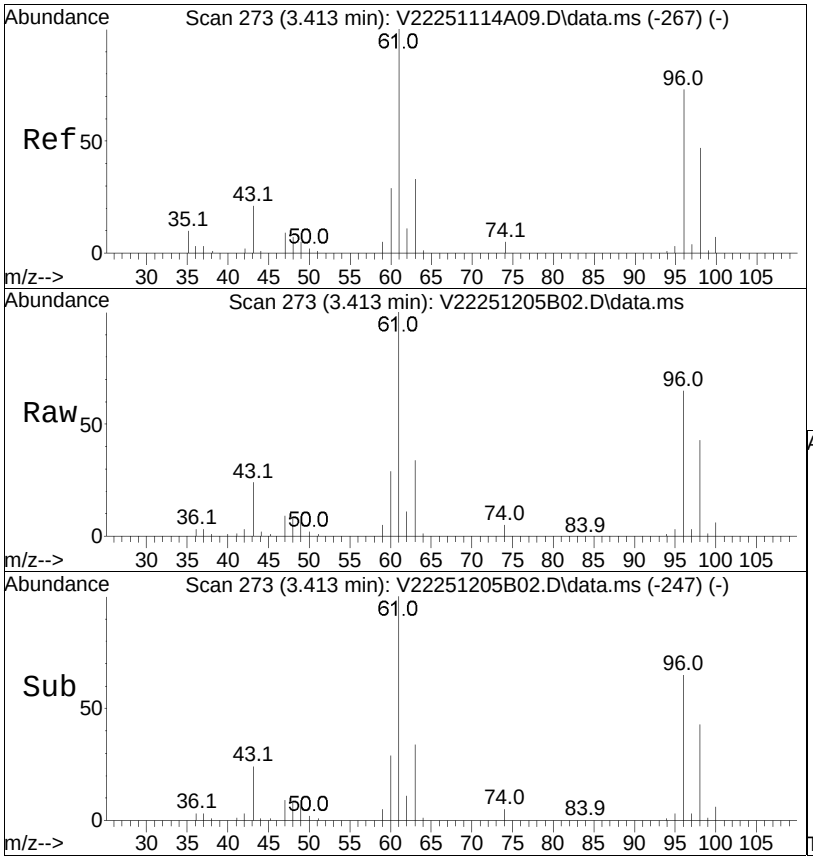


#17
Acetone
Concen: 12.39 ug/L
RT: 3.296 min Scan# 258
Delta R.T. -0.007 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 43 Resp: 8133

Ion	Ratio	Lower	Upper
43	100		
58	26.0	20.4	30.6

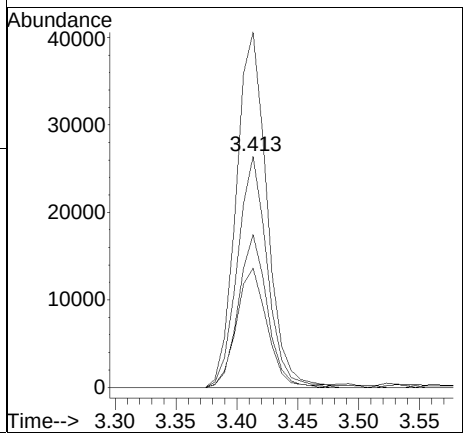


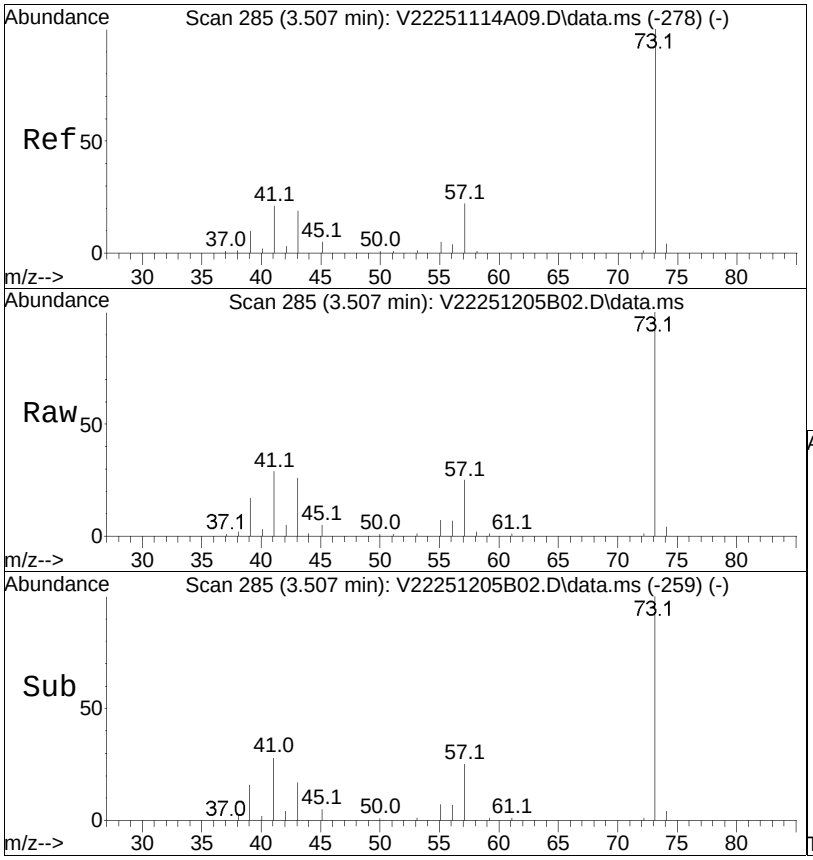


#18
trans-1,2-Dichloroethene
Concen: 10.77 ug/L
RT: 3.413 min Scan# 273
Delta R.T. 0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 96 Resp: 45433

Ion	Ratio	Lower	Upper
96	100		
61	157.4	89.6	186.0
98	63.5	41.9	87.1
63	52.5	28.5	59.1

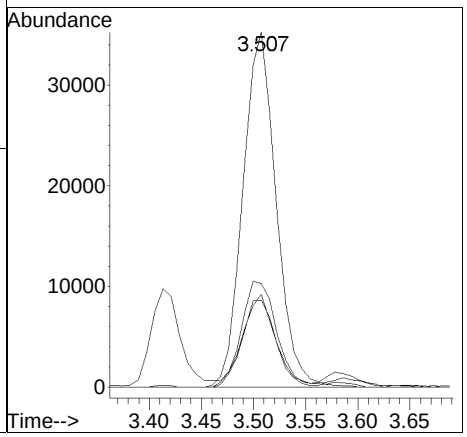


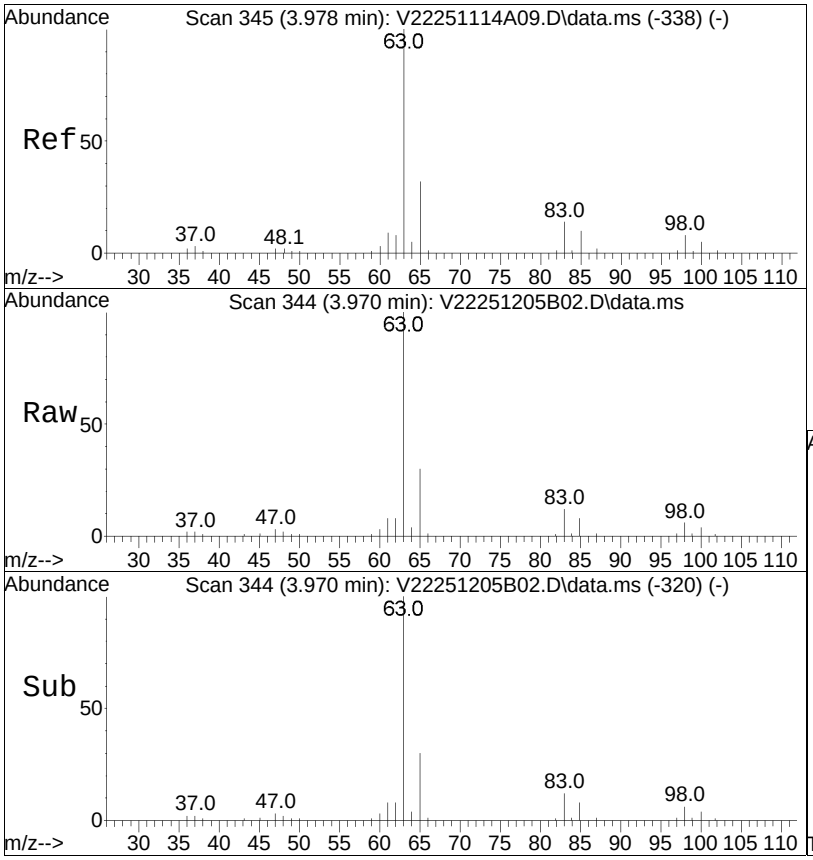


#21
Methyl tert-butyl ether
Concen: 10.09 ug/L
RT: 3.507 min Scan# 285
Delta R.T. 0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 73 Resp: 78245

Ion	Ratio	Lower	Upper
73	100		
57	25.3	14.7	30.5
43	24.8	13.7	28.4
41	31.7	14.1	29.3#

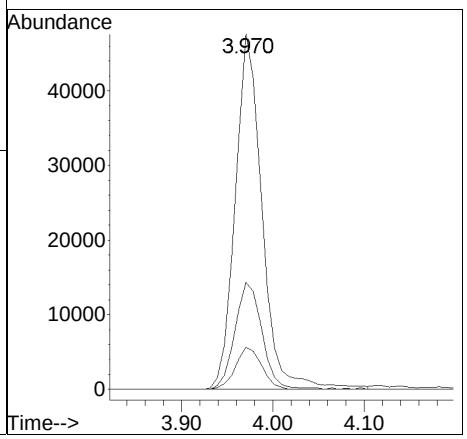


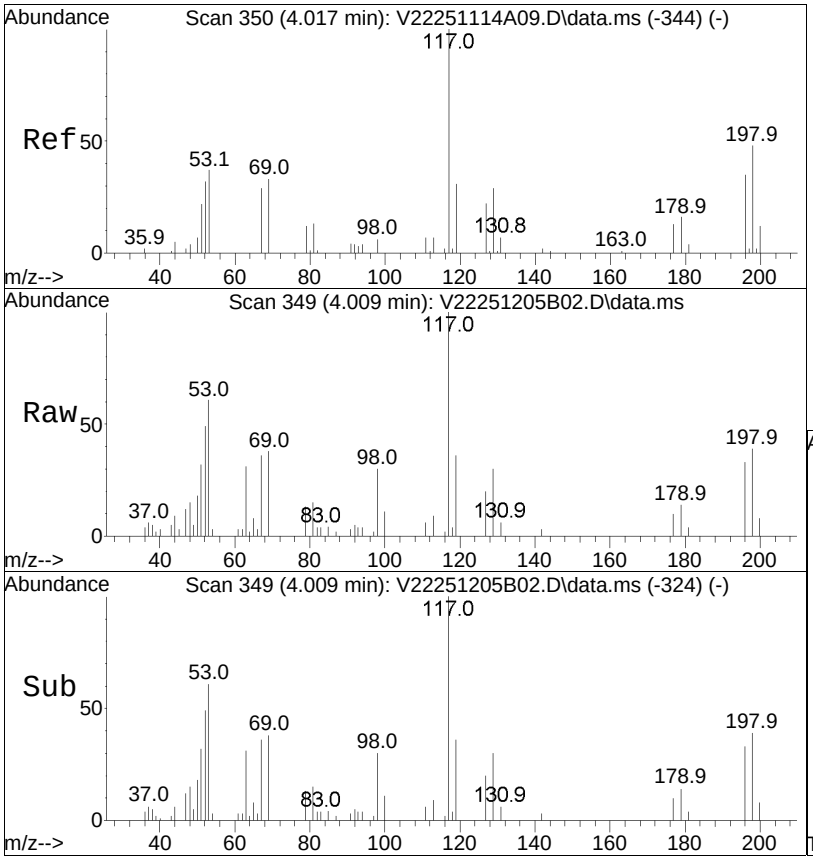


#25
1,1-Dichloroethane
Concen: 12.86 ug/L
RT: 3.970 min Scan# 344
Delta R.T. -0.008 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 63 Resp: 97669

Ion	Ratio	Lower	Upper
63	100		
65	30.2	11.2	51.2
83	11.5	0.0	33.2

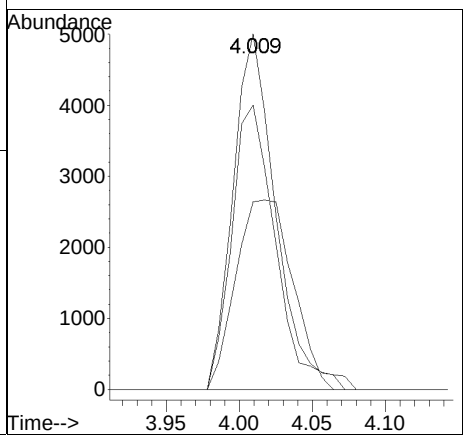


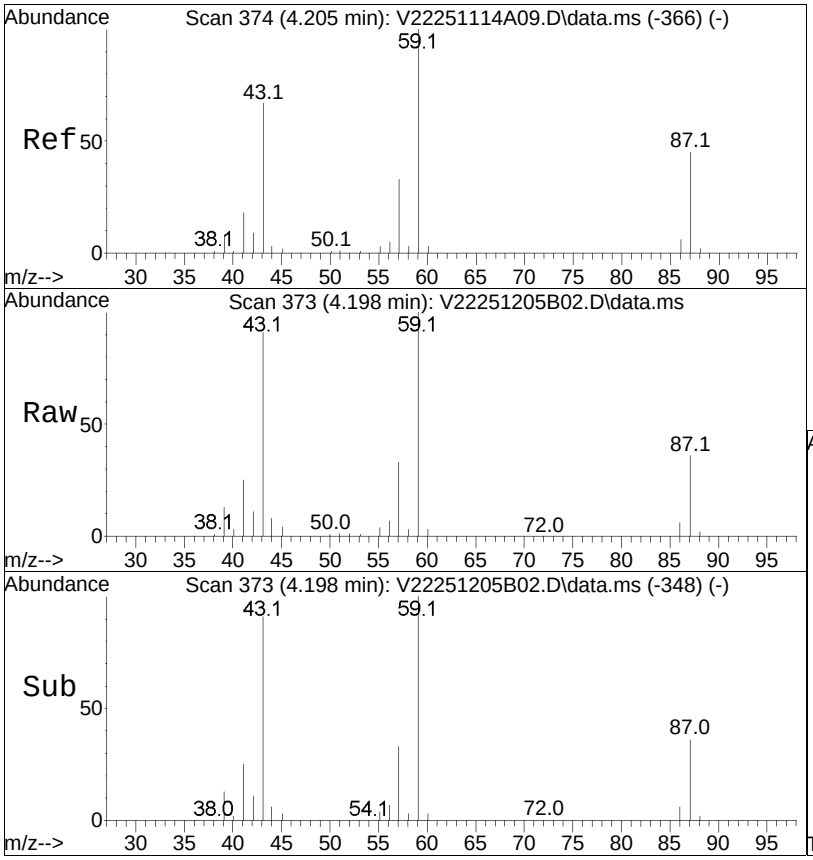


#27
Acrylonitrile
Concen: 12.46 ug/L
RT: 4.009 min Scan# 349
Delta R.T. -0.008 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 53 Resp: 10220

Ion	Ratio	Lower	Upper
53	100		
52	81.4	66.1	99.1
51	70.5	53.6	80.4

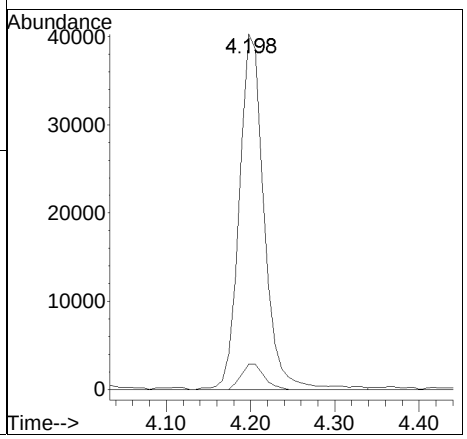


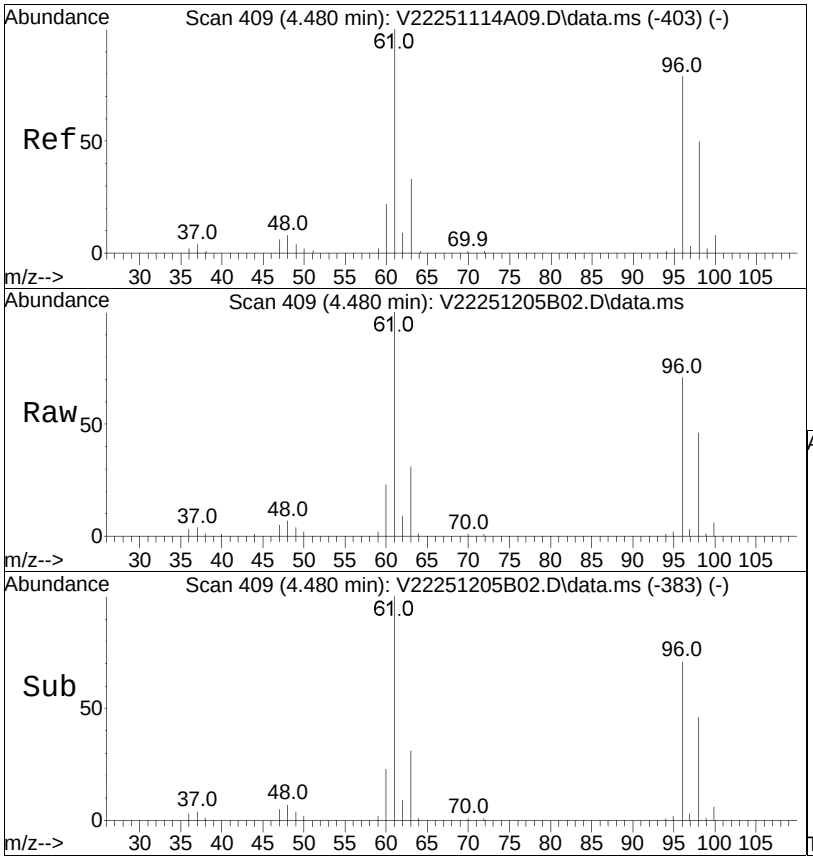


#29
Vinyl acetate
Concen: 14.46 ug/L
RT: 4.198 min Scan# 373
Delta R.T. -0.007 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 43 Resp: 82569

Ion	Ratio	Lower	Upper
43	100		
86	6.5	6.5	9.7

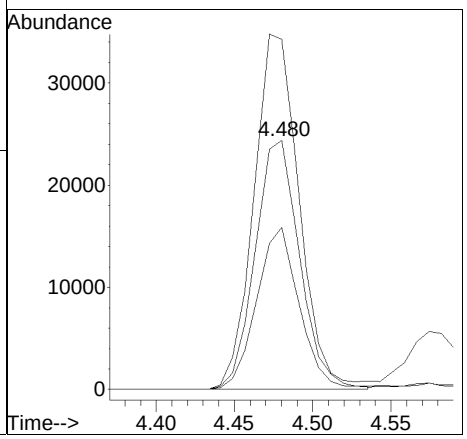


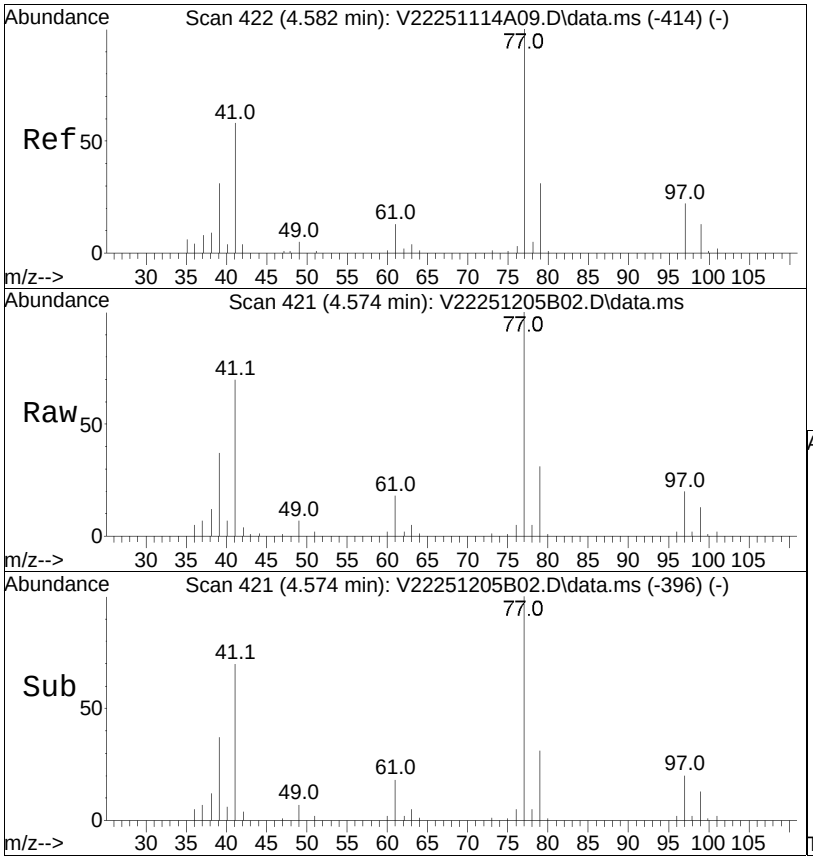


#30
cis-1,2-Dichloroethene
Concen: 10.80 ug/L
RT: 4.480 min Scan# 409
Delta R.T. 0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 96 Resp: 48337

Ion	Ratio	Lower	Upper
96	100		
61	144.5	102.3	153.5
98	62.6	51.3	76.9

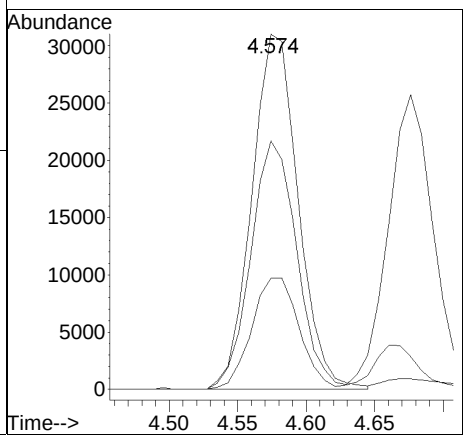


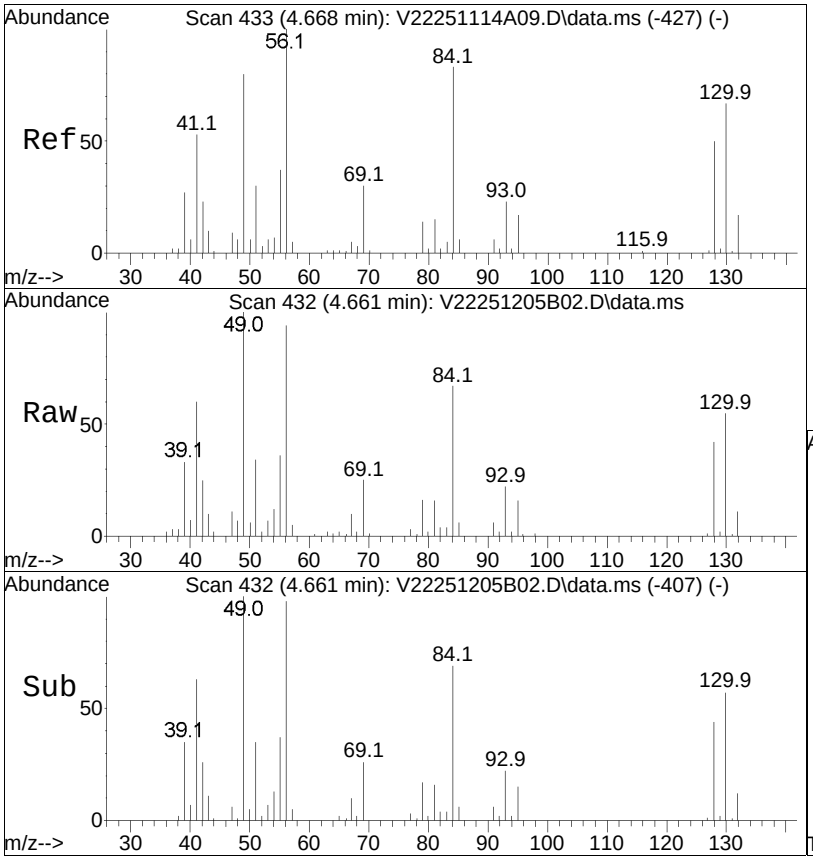


#31
2,2-Dichloropropane
Concen: 12.39 ug/L
RT: 4.574 min Scan# 421
Delta R.T. -0.008 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 77 Resp: 73060

Ion	Ratio	Lower	Upper
77	100		
41	69.4	37.6	78.2
79	32.1	21.1	43.9

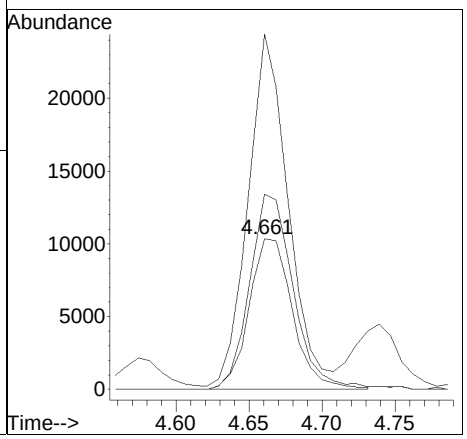


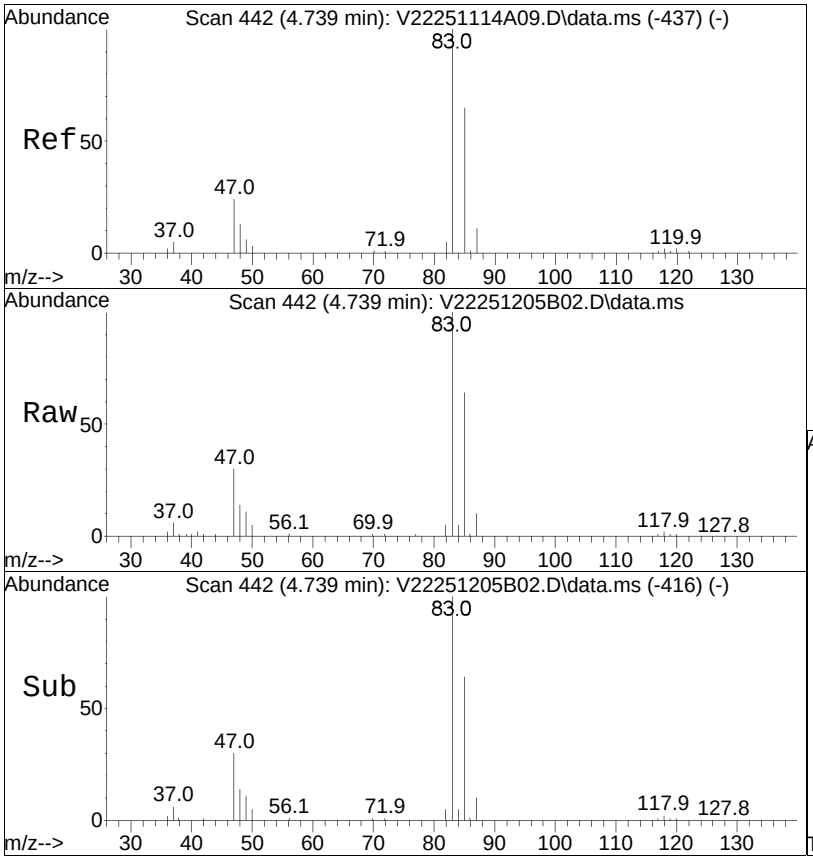


#32
Bromochloromethane
Concen: 10.38 ug/L
RT: 4.661 min Scan# 432
Delta R.T. -0.007 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:128 Resp: 21466

Ion	Ratio	Lower	Upper
128	100		
49	215.8	121.8	182.6#
130	130.8	101.9	152.9

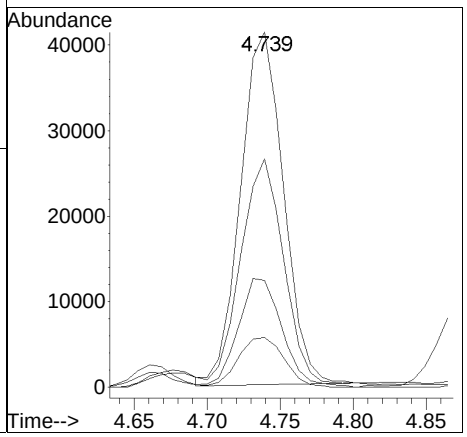


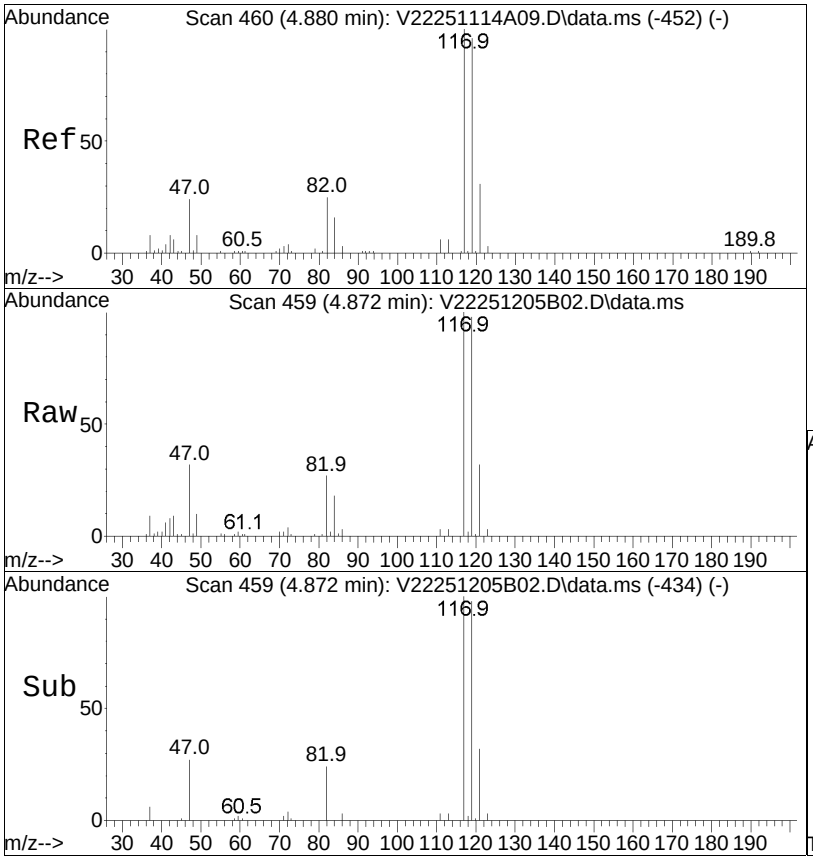


#34
Chloroform
Concen: 11.03 ug/L
RT: 4.739 min Scan# 442
Delta R.T. 0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 83 Resp: 84326

Ion	Ratio	Lower	Upper
83	100		
85	65.0	42.2	87.6
47	31.8	16.1	33.5
48	15.2	9.0	18.6

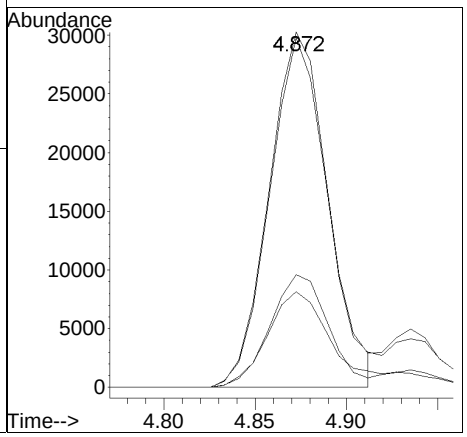


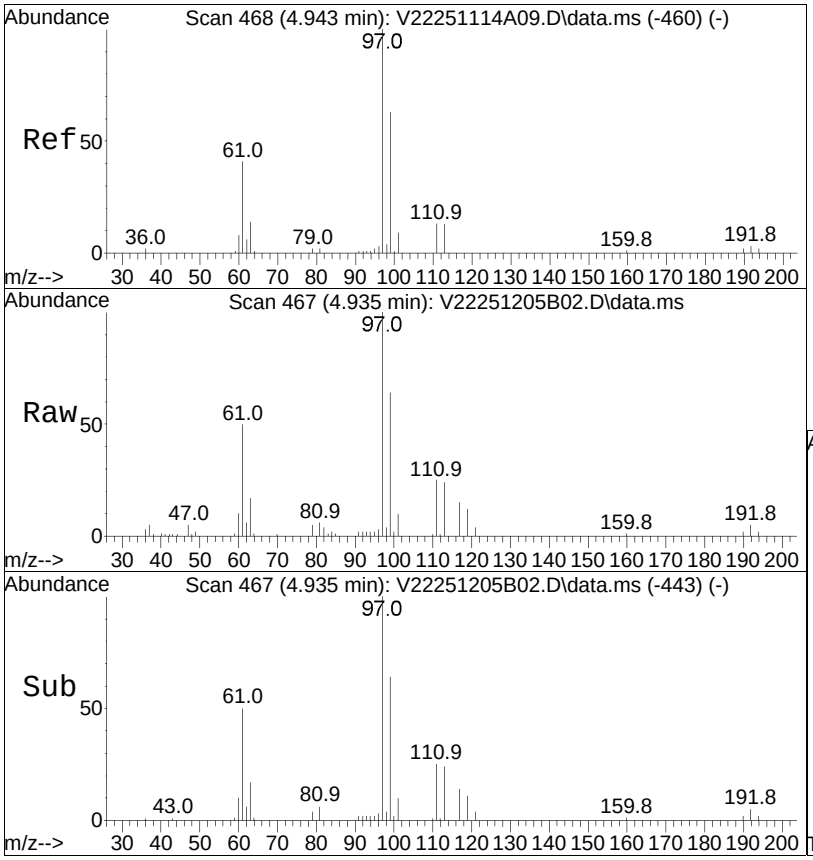


#36
Carbon tetrachloride
Concen: 11.57 ug/L
RT: 4.872 min Scan# 459
Delta R.T. -0.008 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:117 Resp: 68083

Ion	Ratio	Lower	Upper
117	100		
119	98.6	63.1	131.1
121	31.4	20.4	42.4
82	32.5	19.7	40.9

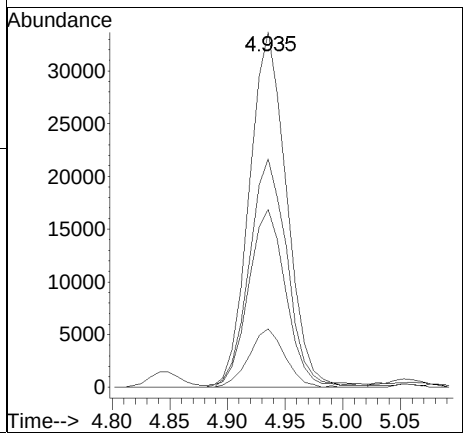


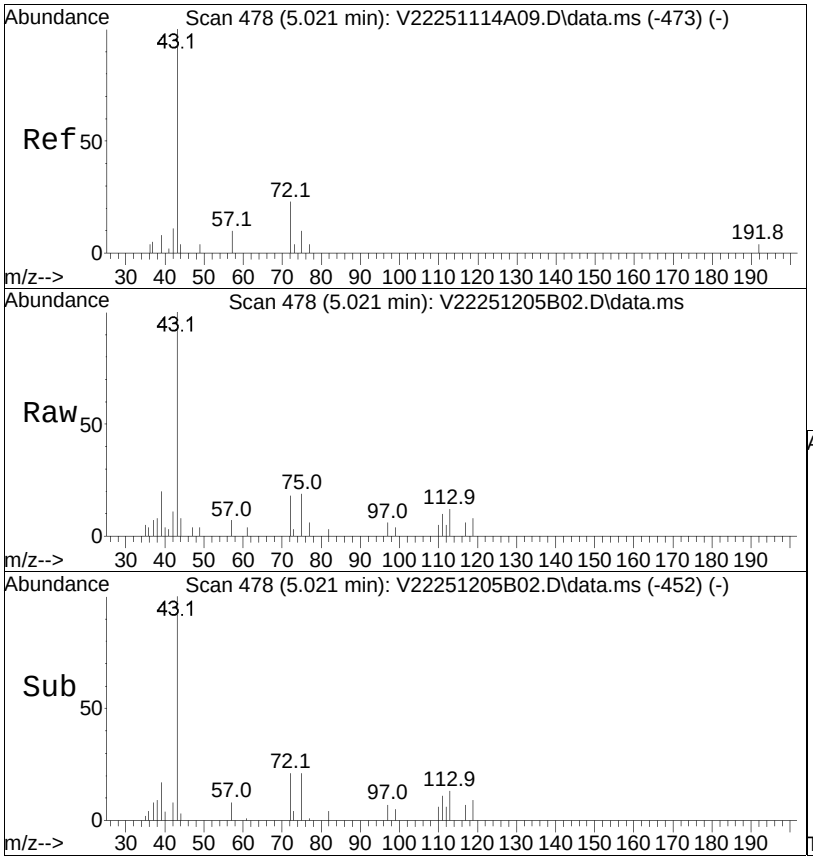


#39
1,1,1-Trichloroethane
Concen: 11.52 ug/L
RT: 4.935 min Scan# 467
Delta R.T. -0.008 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 97 Resp: 76356

Ion	Ratio	Lower	Upper
97	100		
99	65.2	41.7	86.5
61	50.2	28.7	59.5
63	15.9	9.2	19.2

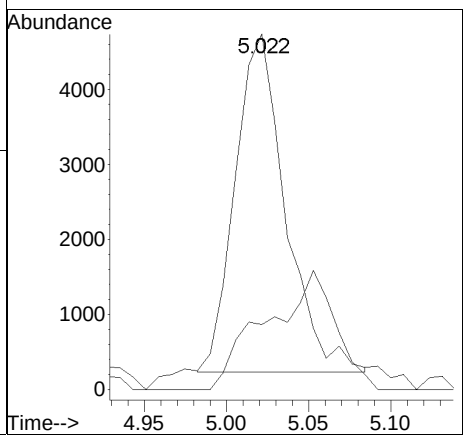


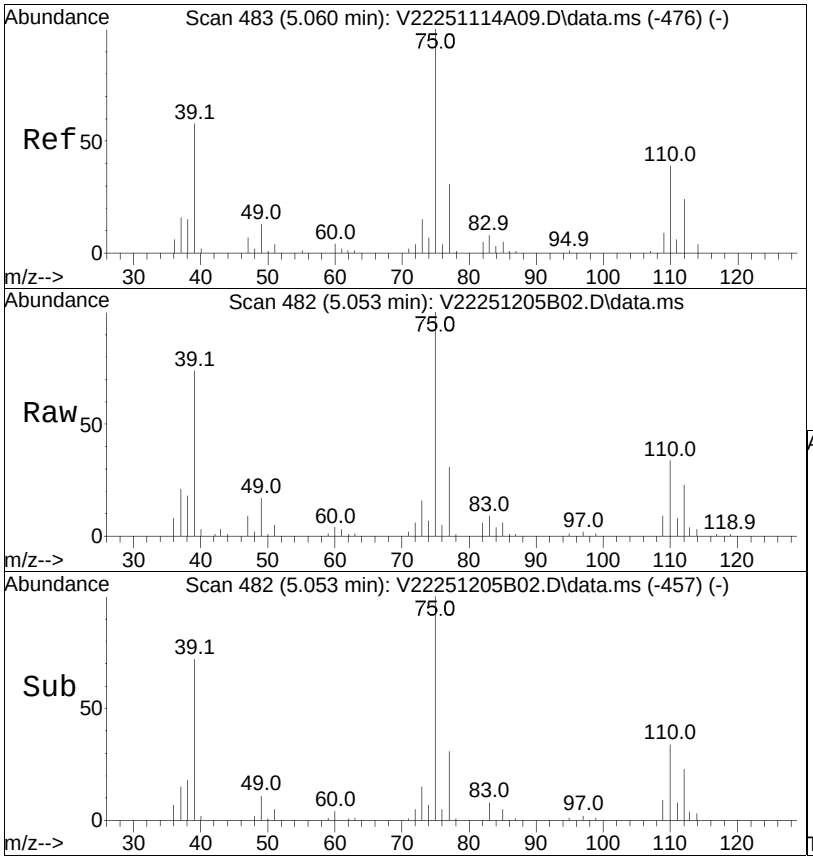


#41
2-Butanone
Concen: 12.35 ug/L M6
RT: 5.021 min Scan# 478
Delta R.T. 0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 43 Resp: 9607

Ion	Ratio	Lower	Upper
43	100		
72	48.1	46.6	69.8

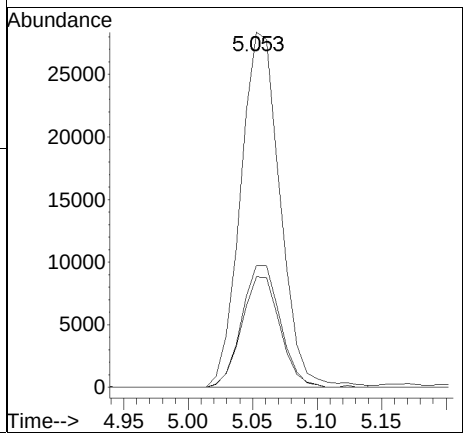


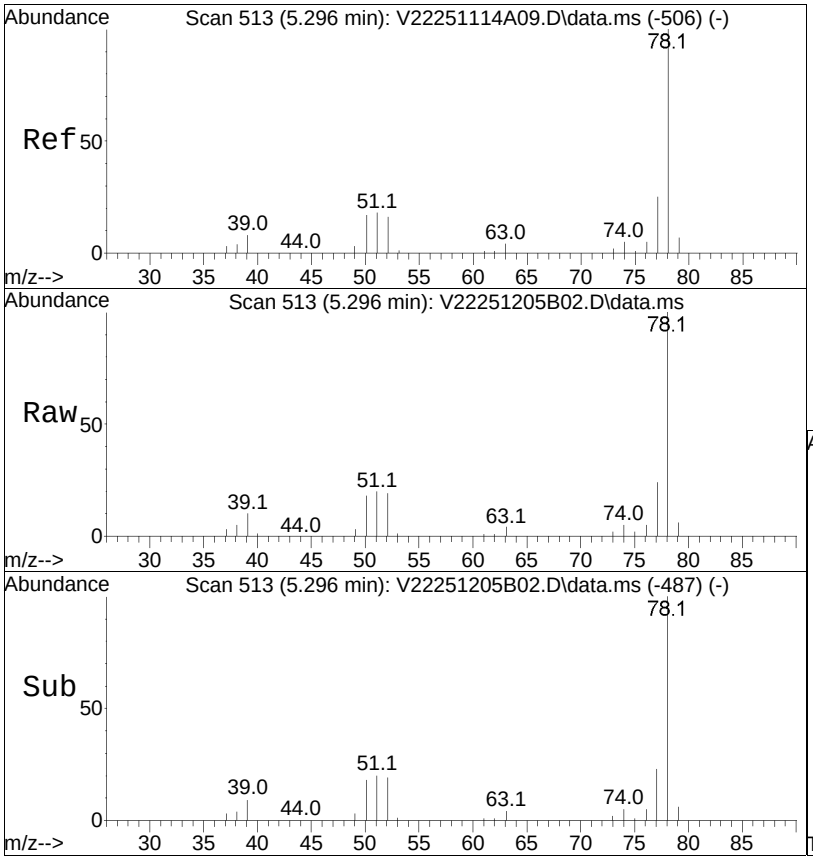


#42
1,1-Dichloropropene
Concen: 11.01 ug/L
RT: 5.053 min Scan# 482
Delta R.T. -0.007 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 75 Resp: 60586

Ion	Ratio	Lower	Upper
75	100		
110	33.5	24.1	50.1
77	30.4	20.3	42.3

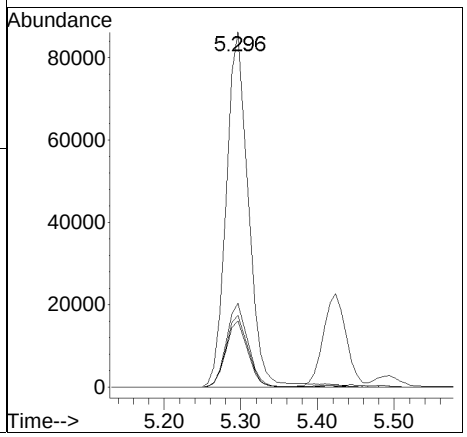


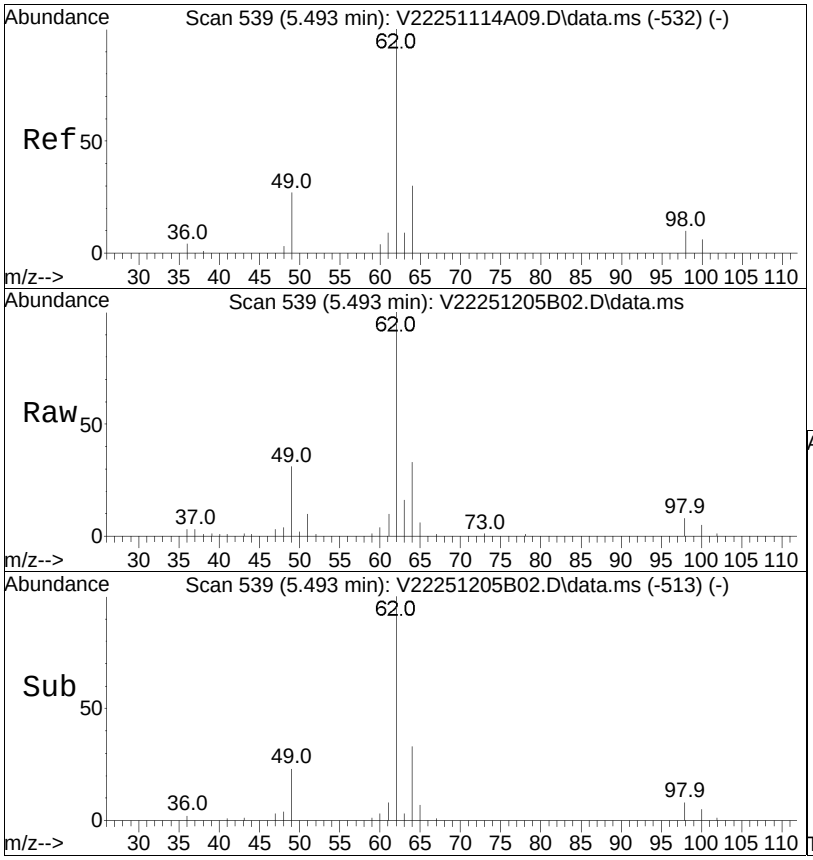


#44
Benzene
Concen: 12.24 ug/L
RT: 5.296 min Scan# 513
Delta R.T. 0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 78 Resp: 129285

Ion	Ratio	Lower	Upper
78	100		
77	25.0	16.4	34.0
51	22.1	11.9	24.7
52	19.9	10.9	22.7

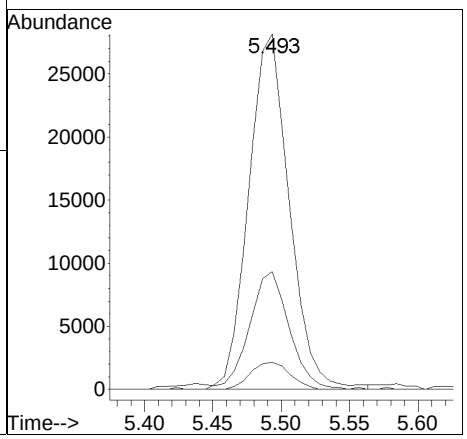


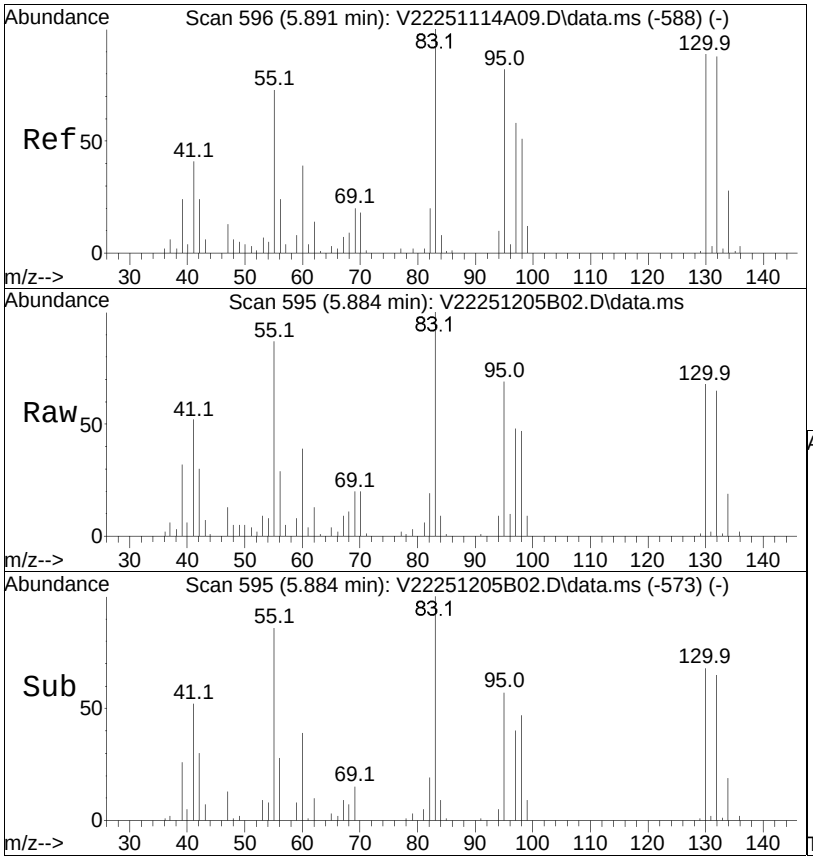


#47
1,2-Dichloroethane
Concen: 12.73 ug/L
RT: 5.493 min Scan# 539
Delta R.T. 0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 62 Resp: 58263

Ion	Ratio	Lower	Upper
62	100		
64	32.3	12.3	52.3
98	7.5	0.0	30.1

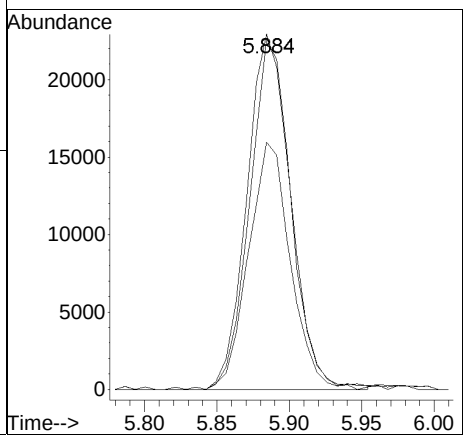


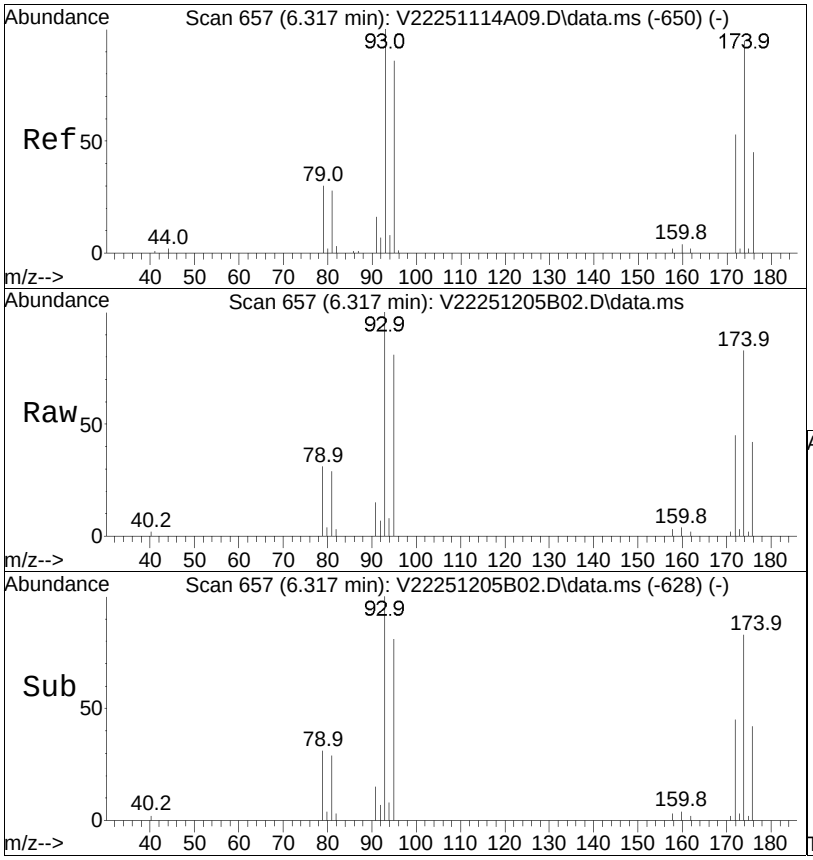


#51
Trichloroethene
Concen: 10.26 ug/L
RT: 5.884 min Scan# 595
Delta R.T. -0.007 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 95 Resp: 48013

Ion	Ratio	Lower	Upper
95	100		
97	66.8	54.7	82.1
130	93.9	85.9	128.9

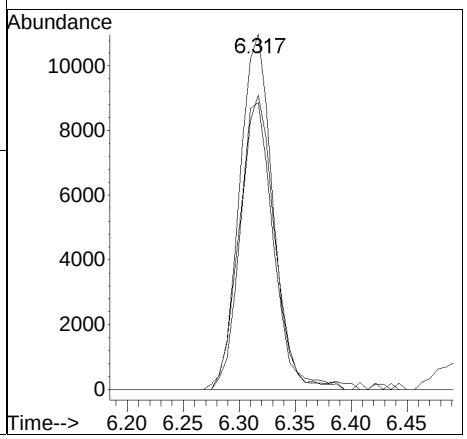


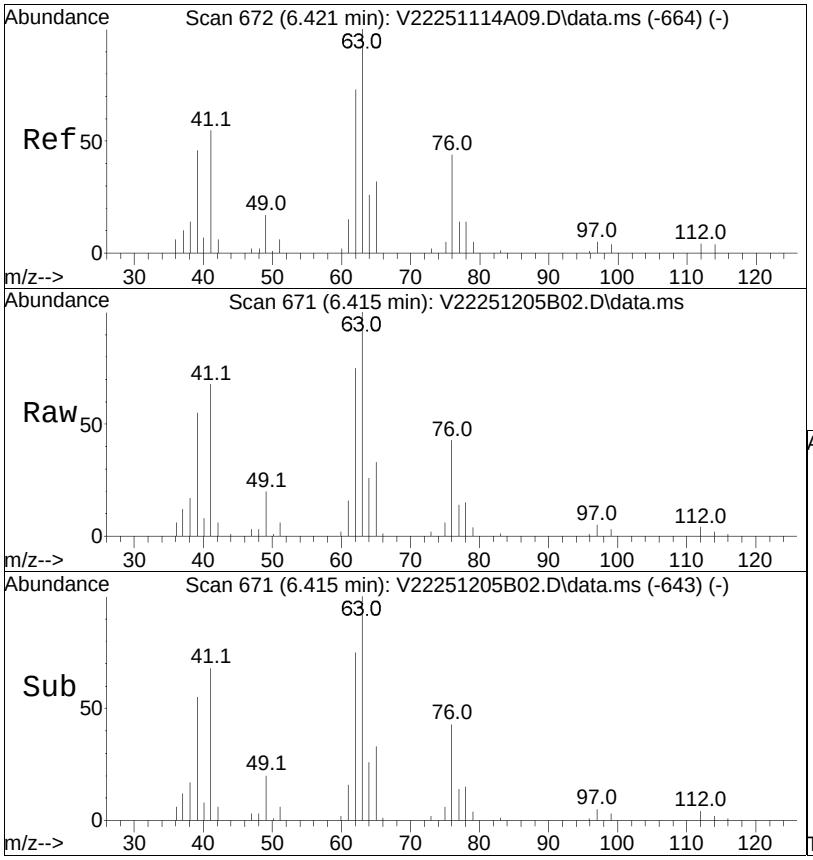


#53
Dibromomethane
Concen: 10.90 ug/L
RT: 6.317 min Scan# 657
Delta R.T. -0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 93 Resp: 23134

Ion	Ratio	Lower	Upper
93	100		
95	82.1	68.3	102.5
174	82.9	80.7	121.1

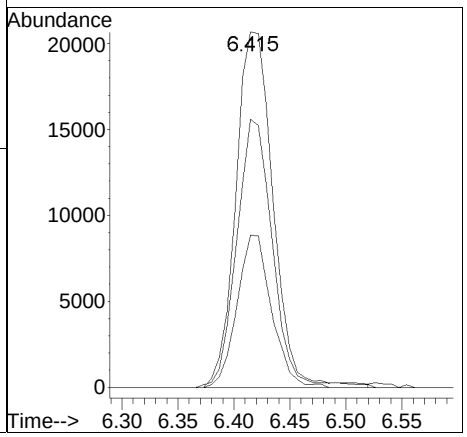


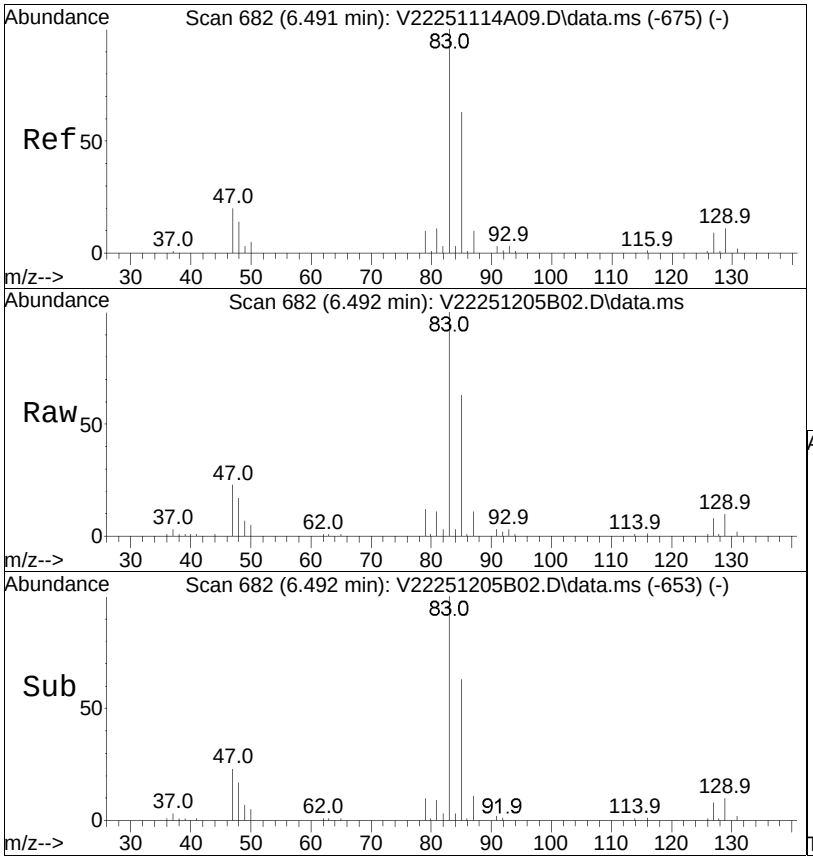


#54
1,2-Dichloropropane
Concen: 12.59 ug/L
RT: 6.415 min Scan# 671
Delta R.T. -0.006 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 63 Resp: 52407

Ion	Ratio	Lower	Upper
63	100		
62	71.7	58.5	87.7
76	36.2	34.2	51.2

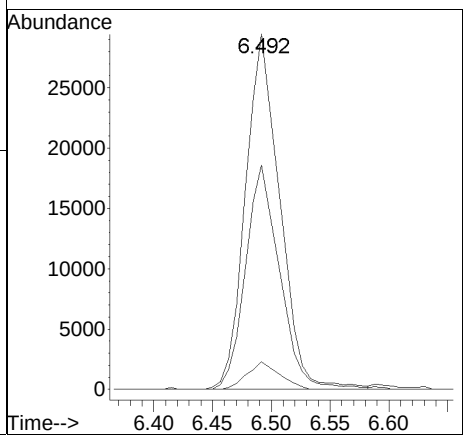


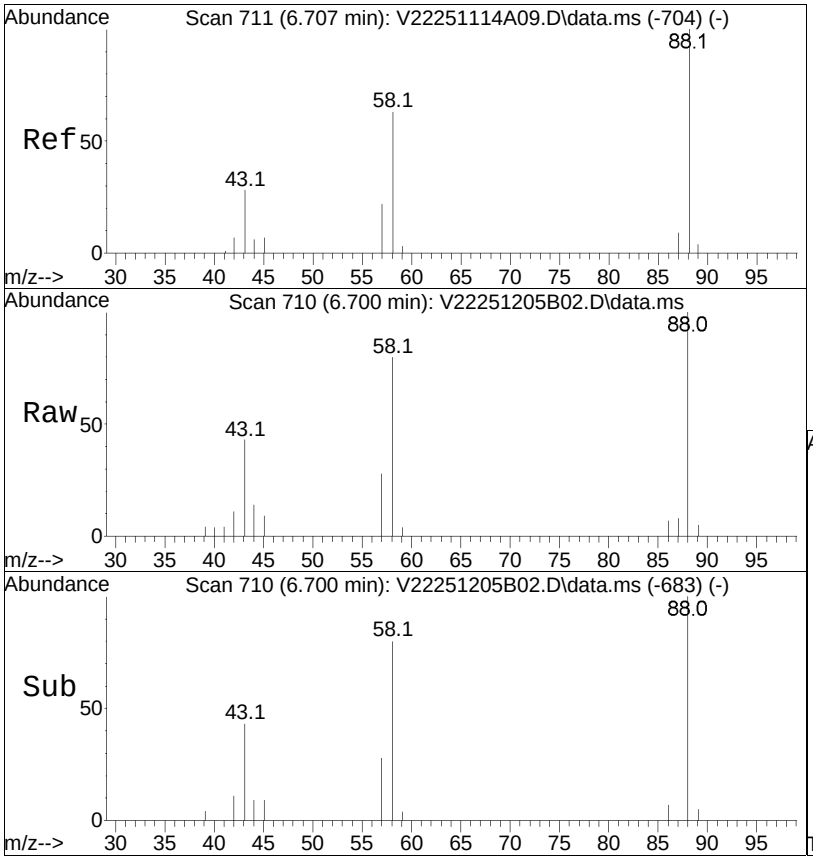


#57
Bromodichloromethane
Concen: 12.19 ug/L
RT: 6.492 min Scan# 682
Delta R.T. 0.001 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 83 Resp: 47385

Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.4	75.6
127	7.7	7.4	11.0

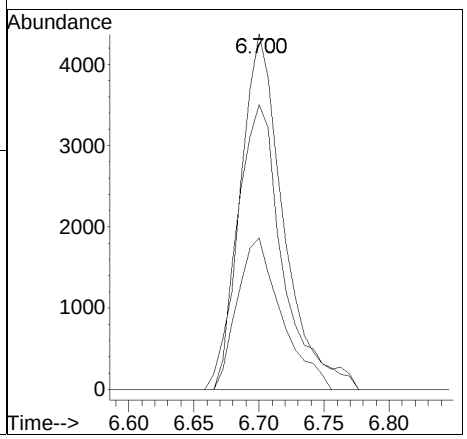


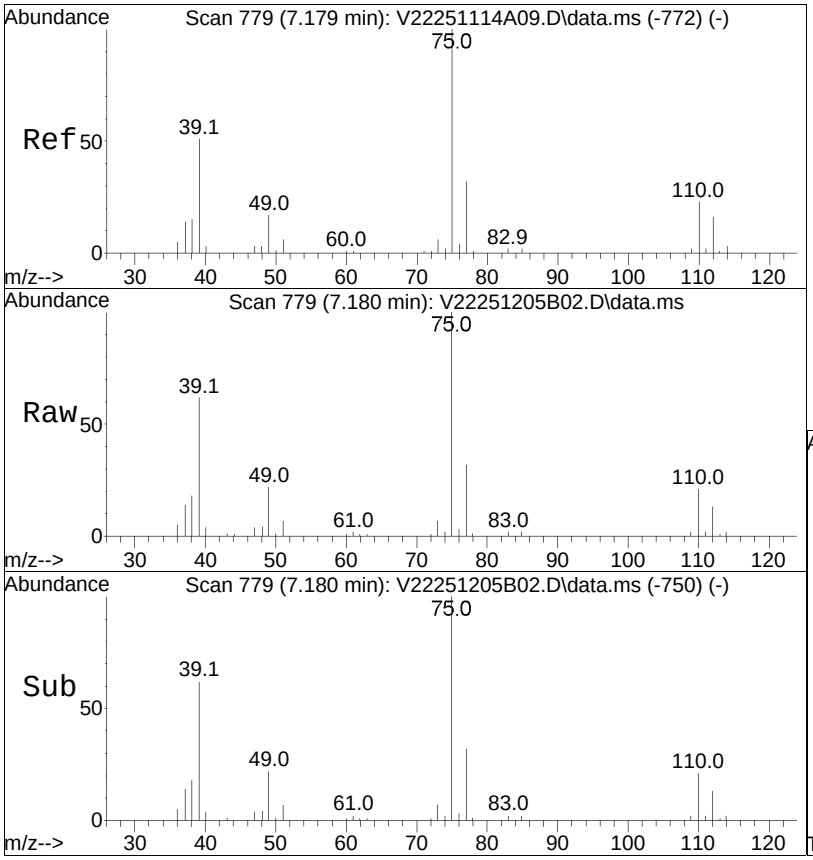


#60
1,4-Dioxane
Concen: 405.55 ug/L
RT: 6.700 min Scan# 710
Delta R.T. -0.007 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 88 Resp: 10121

Ion	Ratio	Lower	Upper
88	100		
58	82.8	54.2	81.4#
43	43.5	25.3	37.9#

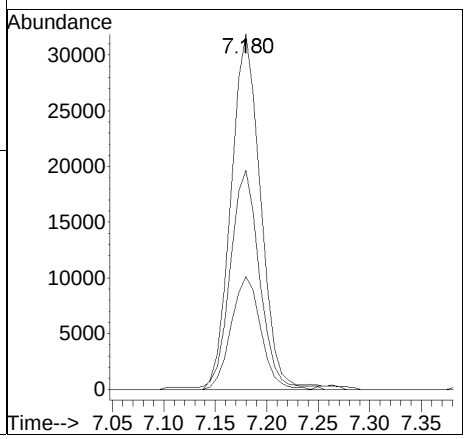


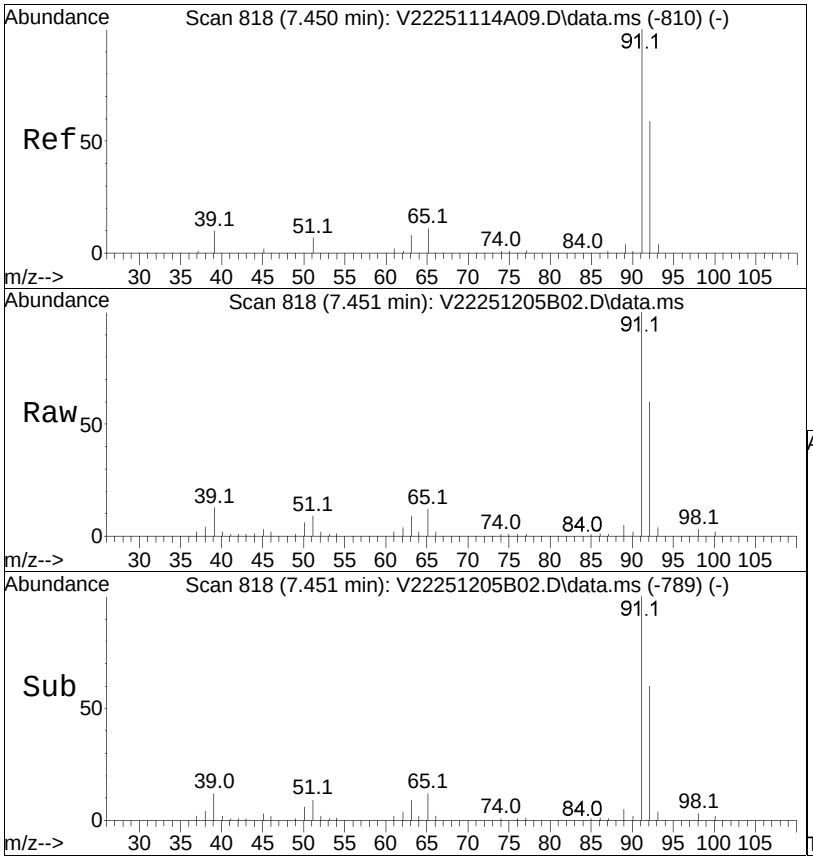


#61
cis-1,3-Dichloropropene
Concen: 10.72 ug/L
RT: 7.180 min Scan# 779
Delta R.T. 0.001 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 75 Resp: 64085

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.8	38.6
39	58.7	39.3	58.9

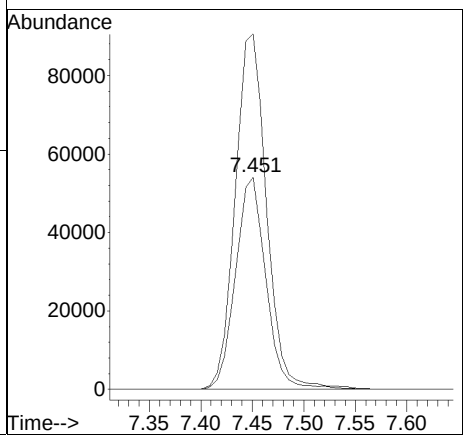


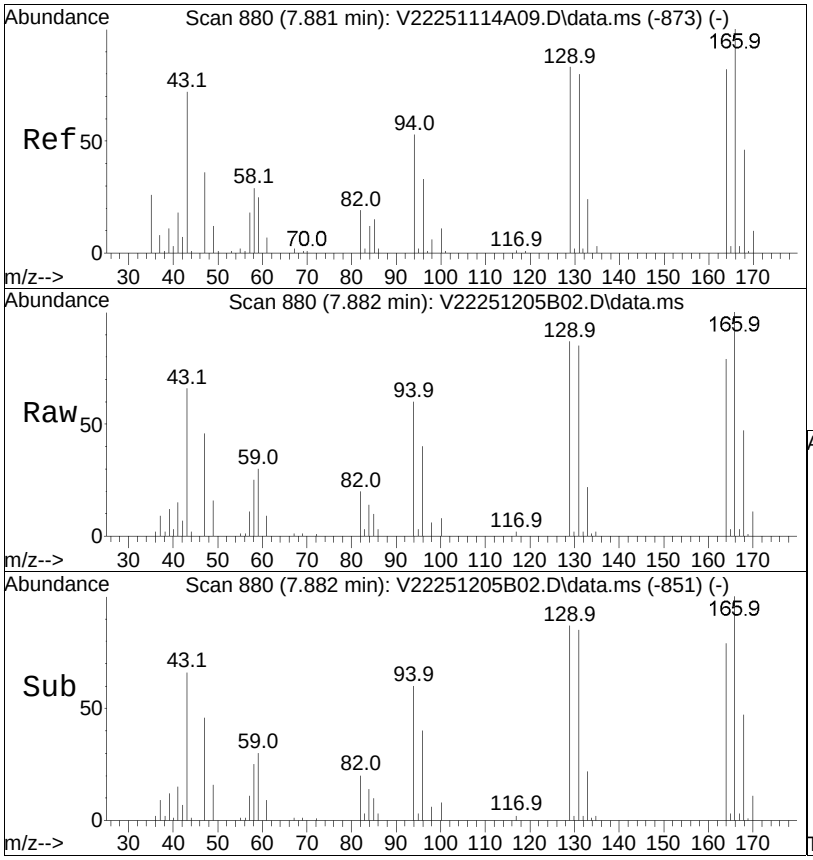


#64
Toluene
Concen: 10.93 ug/L
RT: 7.451 min Scan# 818
Delta R.T. 0.001 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 92 Resp: 110834

Ion	Ratio	Lower	Upper
92	100		
91	172.9	137.6	206.4

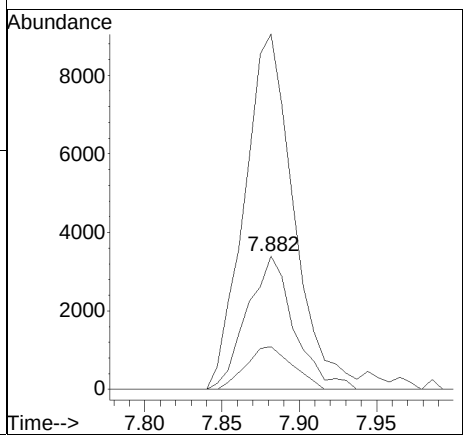


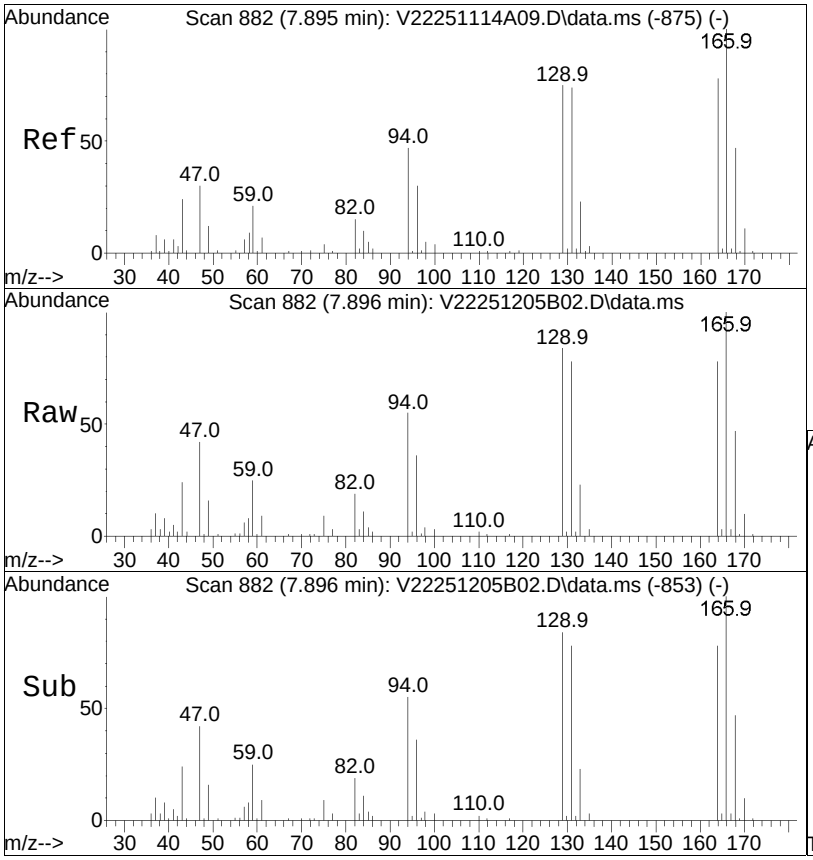


#65
4-Methyl-2-pentanone
Concen: 9.83 ug/L
RT: 7.882 min Scan# 880
Delta R.T. 0.001 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 58 Resp: 7189

Ion	Ratio	Lower	Upper
58	100		
100	32.1	30.0	45.0
43	279.6	205.6	308.4

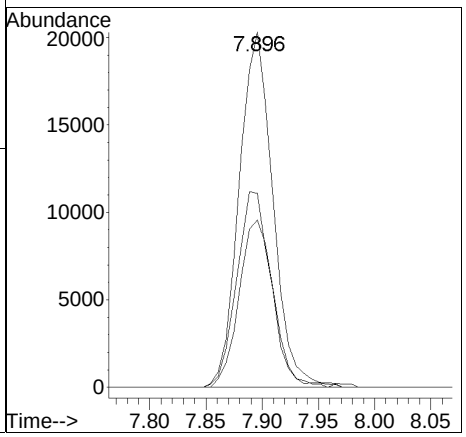


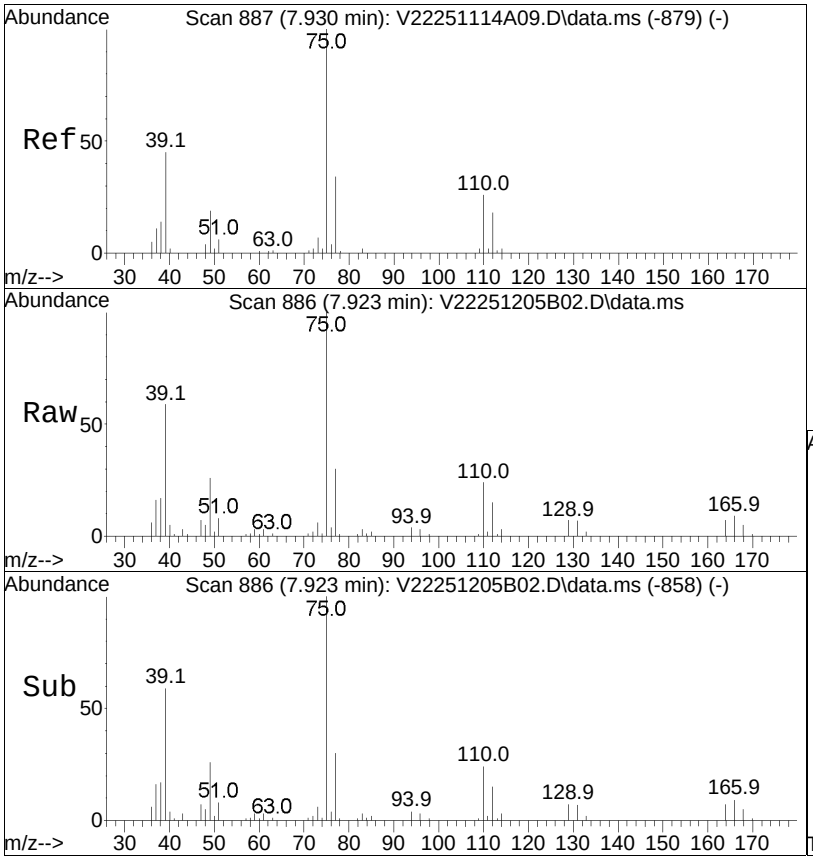


#66
Tetrachloroethene
Concen: 9.92 ug/L
RT: 7.896 min Scan# 882
Delta R.T. 0.001 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:166 Resp: 42644

Ion	Ratio	Lower	Upper
166	100		
168	48.6	27.0	67.0
94	55.9	25.5	65.5

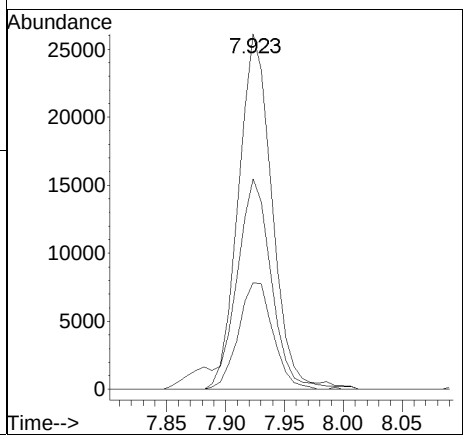


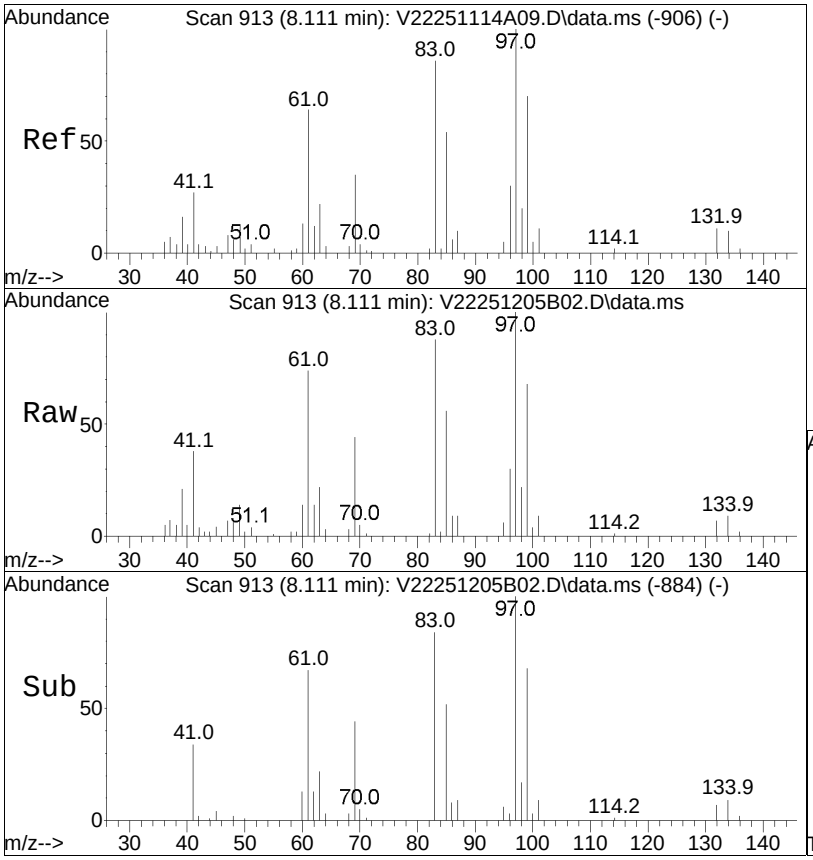


#68
trans-1,3-Dichloropropene
Concen: 11.21 ug/L
RT: 7.923 min Scan# 886
Delta R.T. -0.007 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 75 Resp: 51916

Ion	Ratio	Lower	Upper
75	100		
77	31.0	12.2	52.2
39	65.3	36.6	76.6

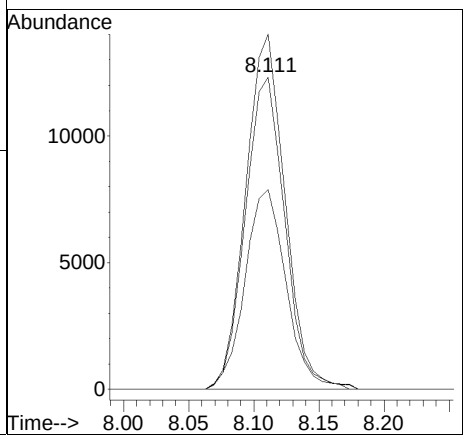


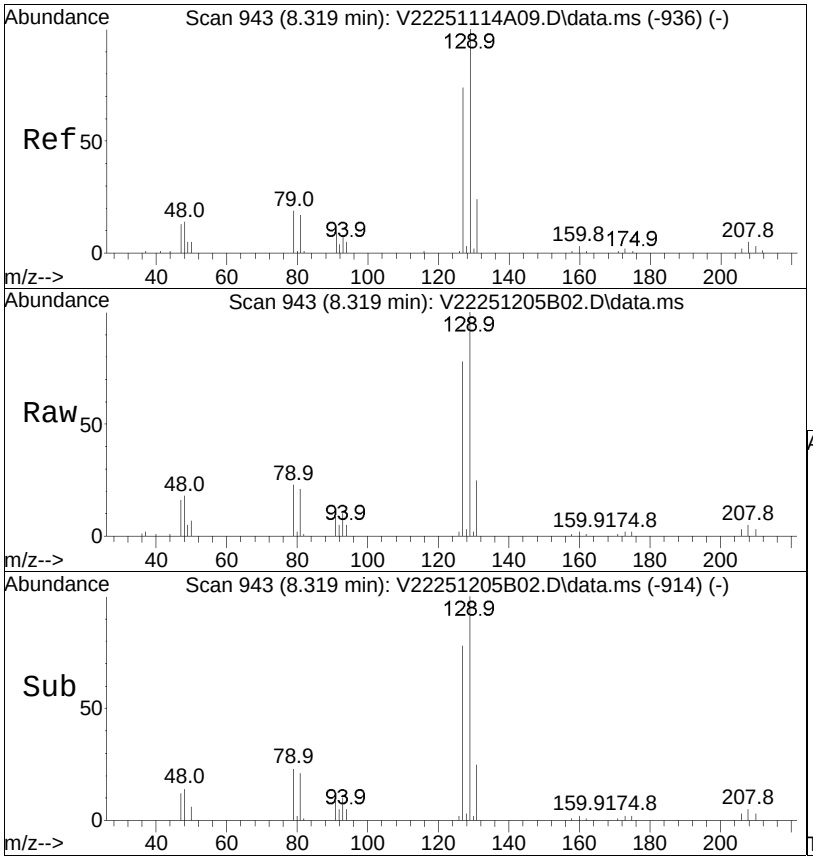


#71
1,1,2-Trichloroethane
Concen: 11.27 ug/L
RT: 8.111 min Scan# 913
Delta R.T. -0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 83 Resp: 26169

Ion	Ratio	Lower	Upper
83	100		
97	113.1	99.0	139.0
85	66.4	46.3	86.3

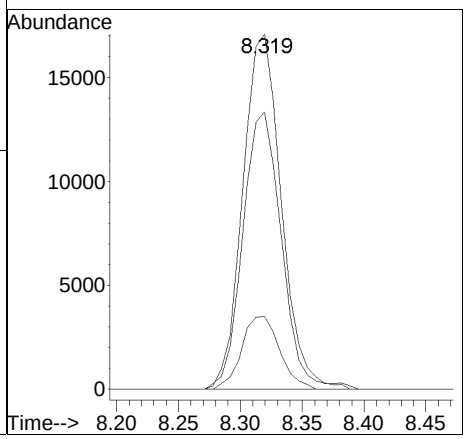


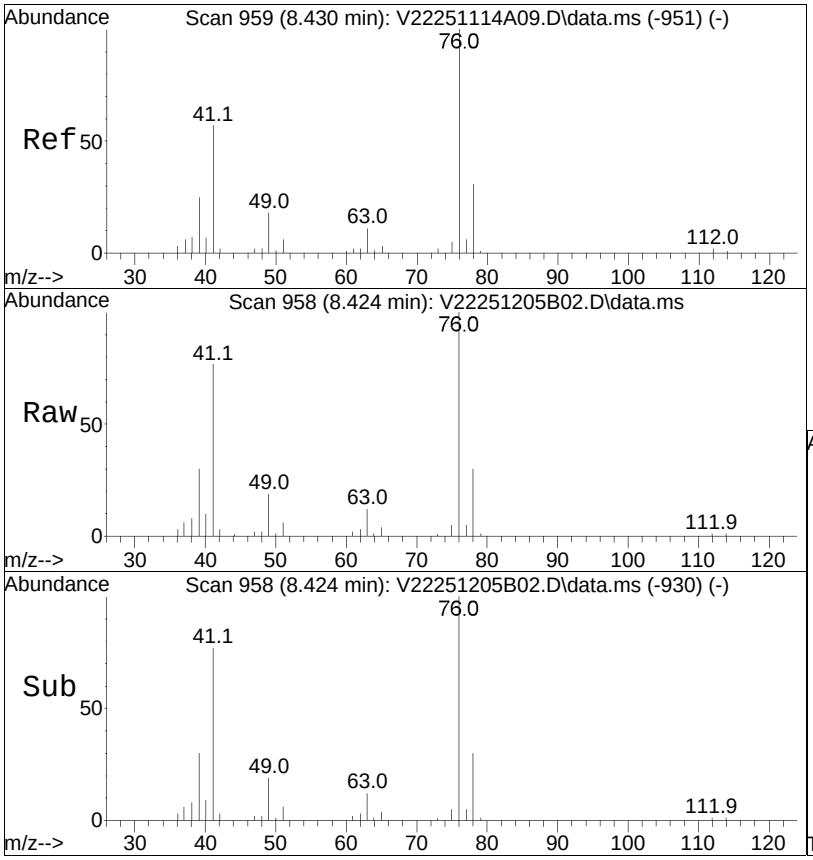


#72
Chlorodibromomethane
Concen: 10.22 ug/L
RT: 8.319 min Scan# 943
Delta R.T. 0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:129 Resp: 37133

Ion	Ratio	Lower	Upper
129	100		
81	20.3	0.0	38.0
127	78.0	56.4	96.4

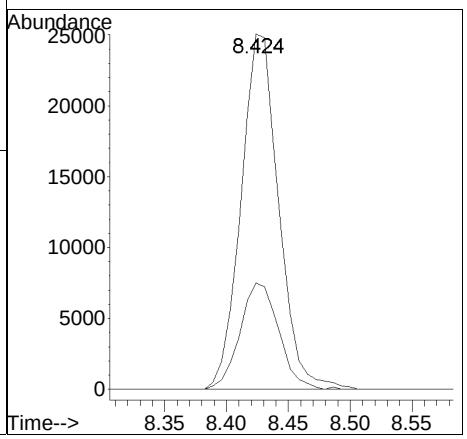


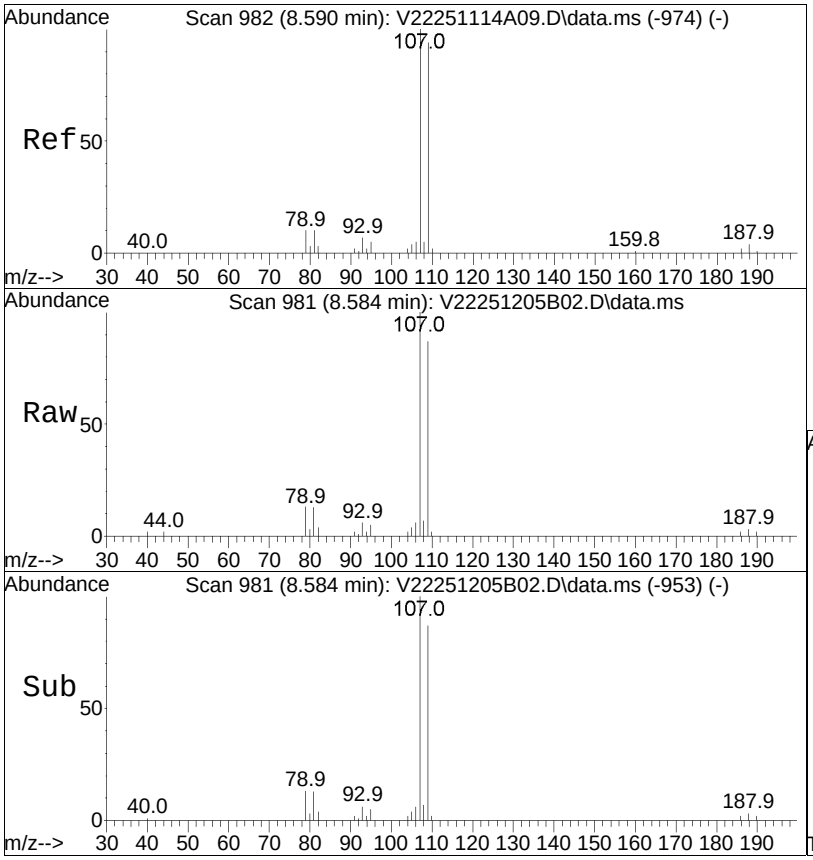


#73
1,3-Dichloropropane
Concen: 11.52 ug/L
RT: 8.424 min Scan# 958
Delta R.T. -0.006 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 76 Resp: 53043

Ion	Ratio	Lower	Upper
76	100		
78	30.9	25.5	38.3

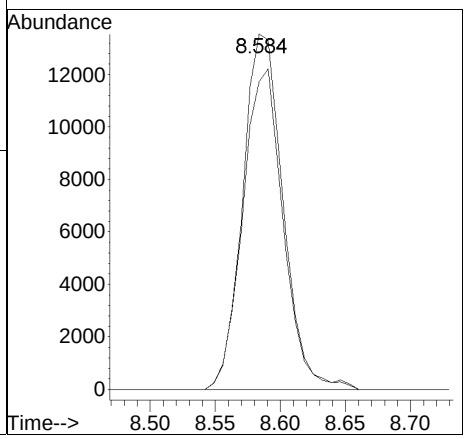


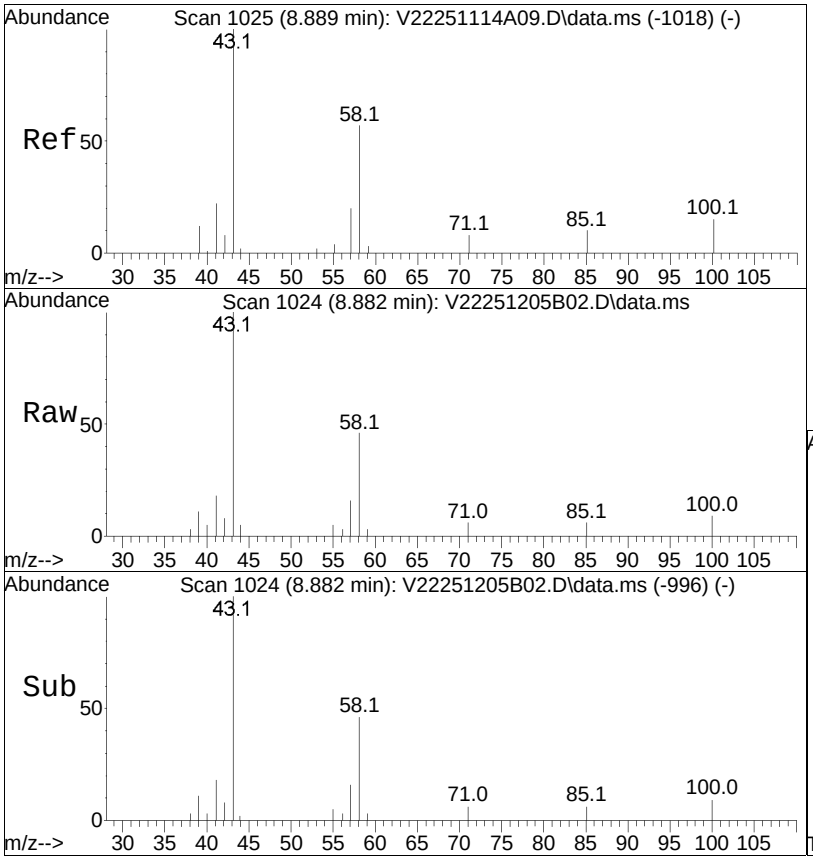


#74
1,2-Dibromoethane
Concen: 10.58 ug/L
RT: 8.584 min Scan# 981
Delta R.T. -0.006 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:107 Resp: 29200

Ion	Ratio	Lower	Upper
107	100		
109	90.9	75.4	113.0

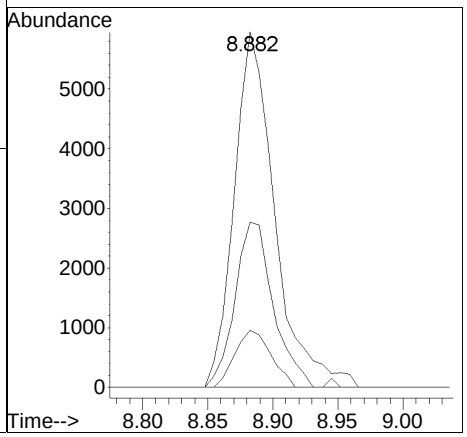


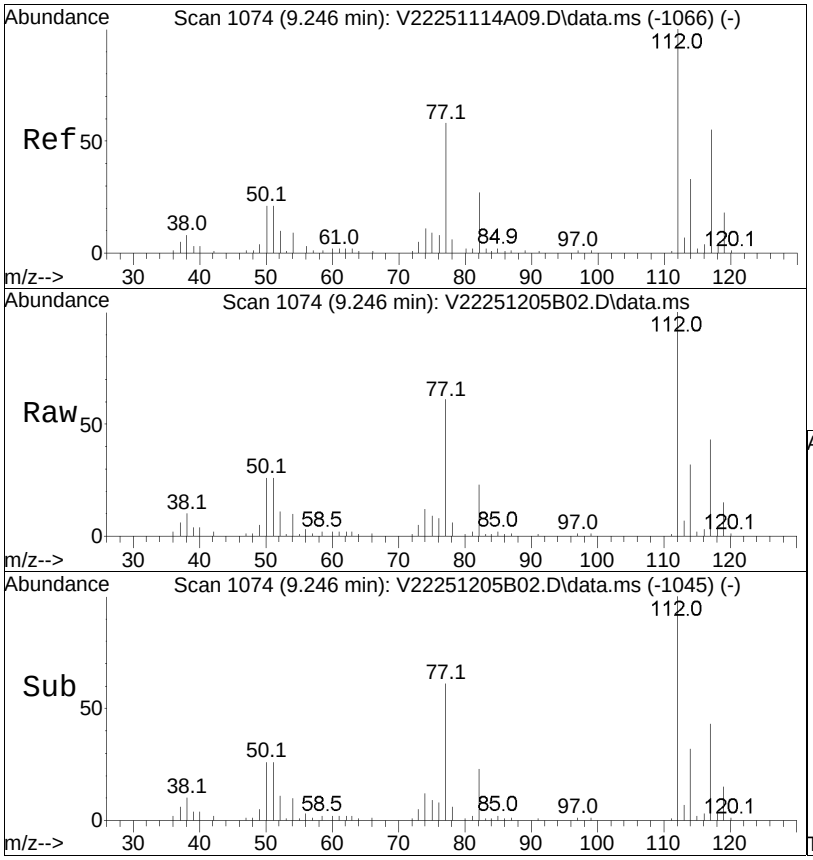


#76
2-Hexanone
Concen: 9.75 ug/L
RT: 8.882 min Scan# 1024
Delta R.T. -0.007 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 43 Resp: 12950

Ion	Ratio	Lower	Upper
43	100		
58	43.9	37.8	56.8
57	14.3	14.2	21.2

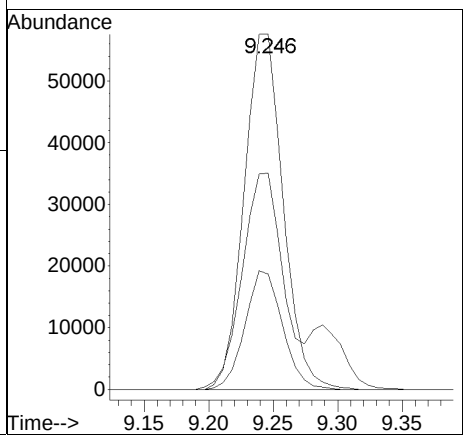


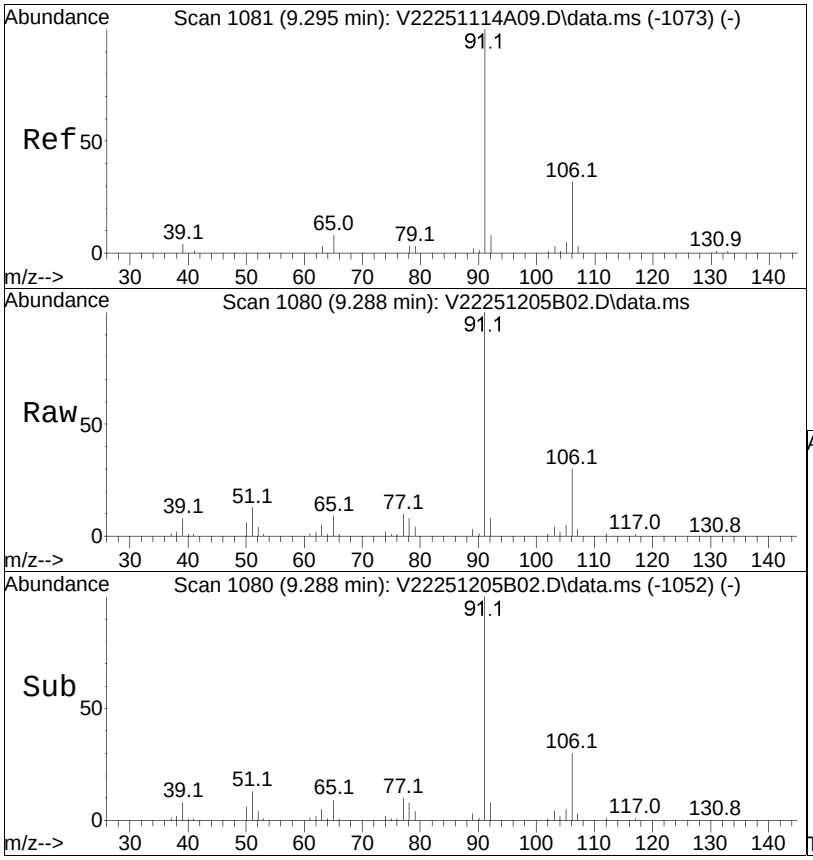


#77
Chlorobenzene
Concen: 10.54 ug/L
RT: 9.246 min Scan# 1074
Delta R.T. -0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:112 Resp: 121404

Ion	Ratio	Lower	Upper
112	100		
77	64.4	47.2	70.8
114	32.0	26.0	39.0

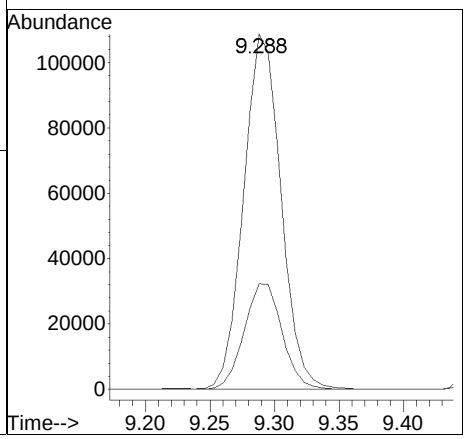


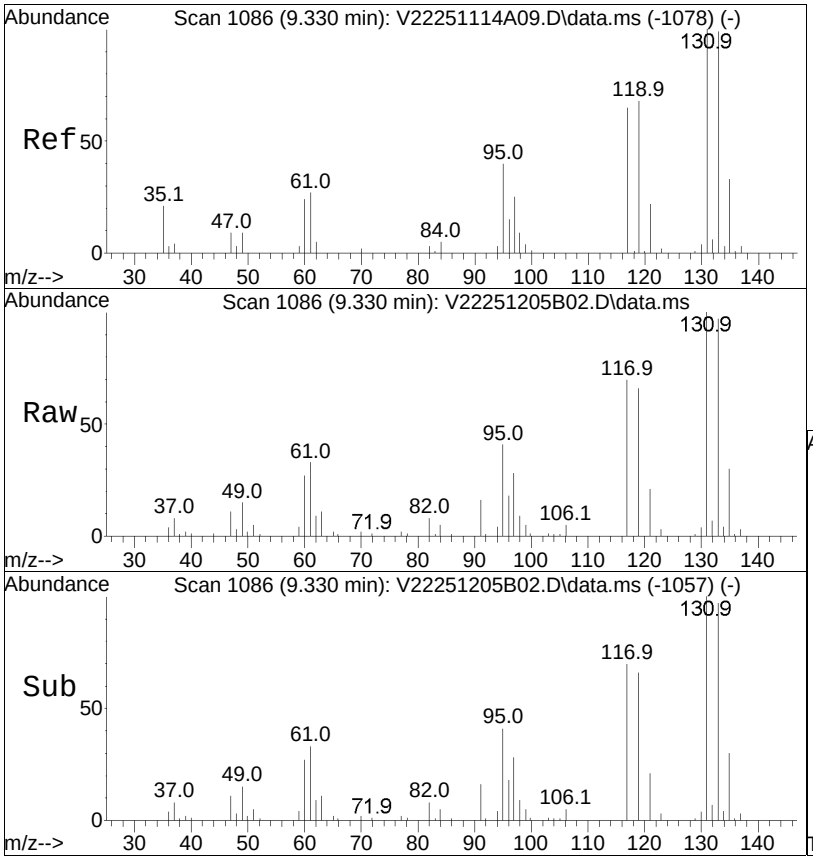


#78
Ethylbenzene
Concen: 10.59 ug/L
RT: 9.288 min Scan# 1080
Delta R.T. -0.007 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 91 Resp: 218965

Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.4	38.2

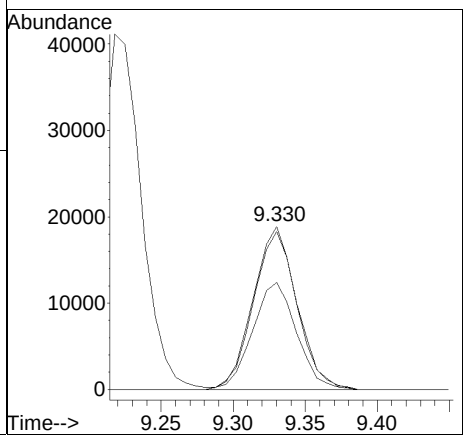


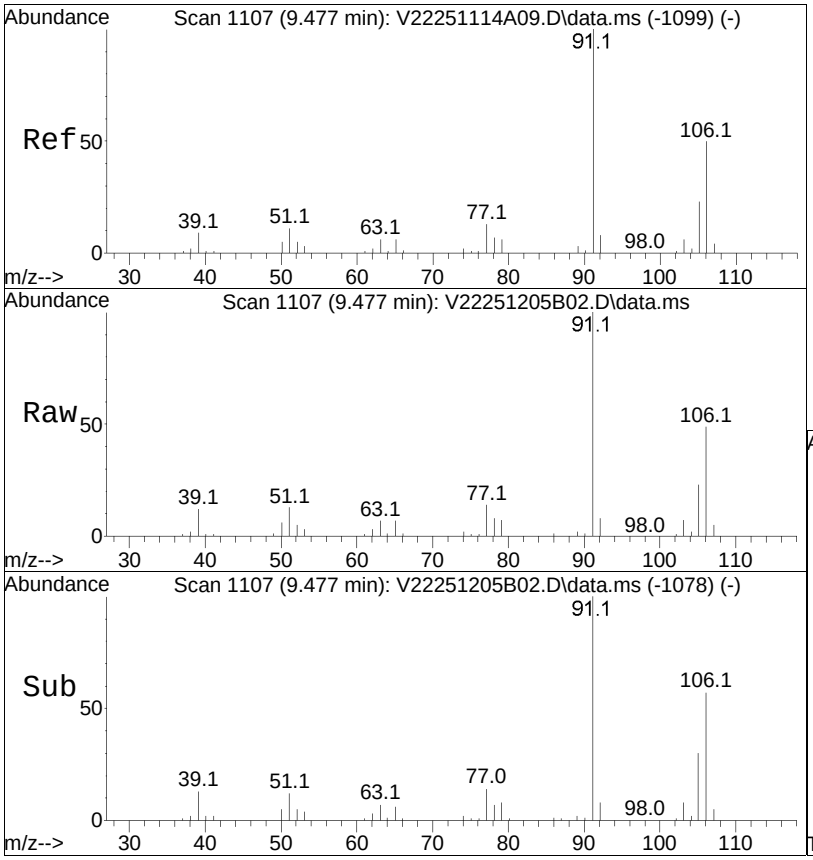


#79
1,1,1,2-Tetrachloroethane
Concen: 10.10 ug/L
RT: 9.330 min Scan# 1086
Delta R.T. 0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:131 Resp: 39755

Ion	Ratio	Lower	Upper
131	100		
133	96.5	75.7	115.7
119	65.9	46.3	86.3

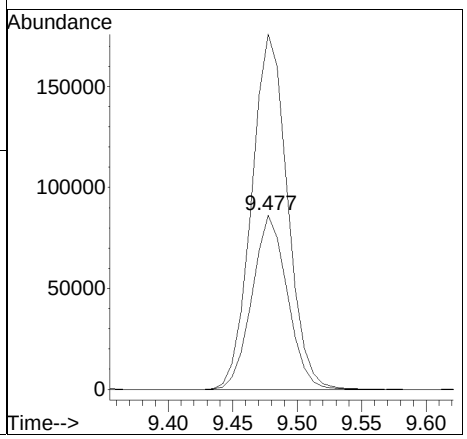


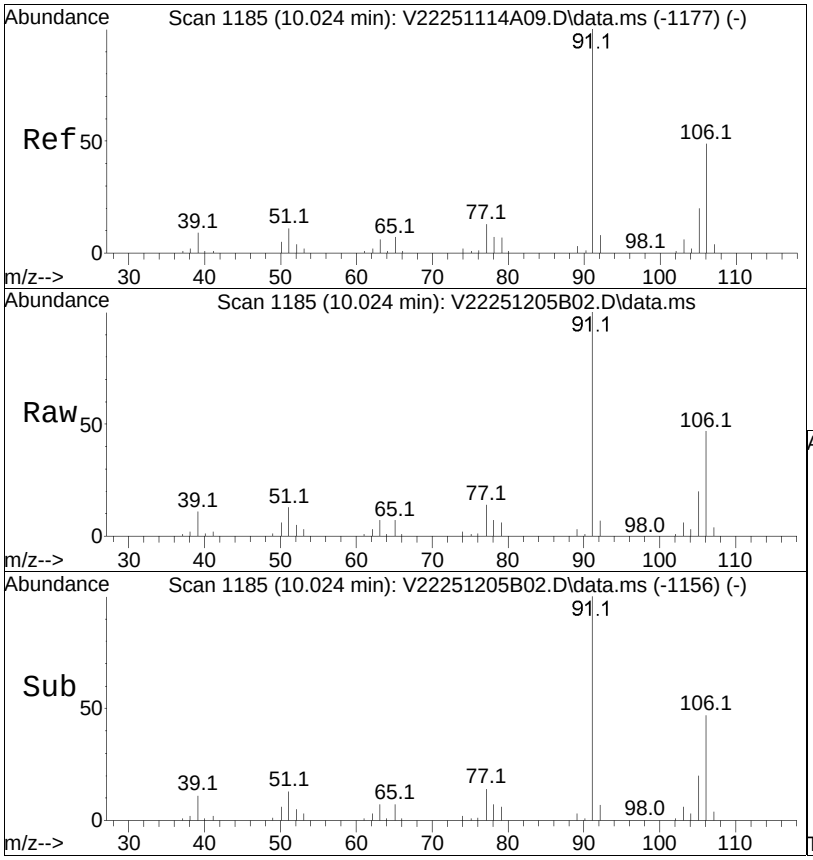


#80
p/m Xylene
Concen: 19.60 ug/L
RT: 9.477 min Scan# 1107
Delta R.T. 0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:106 Resp: 164188

Ion	Ratio	Lower	Upper
106	100		
91	207.1	158.9	238.3

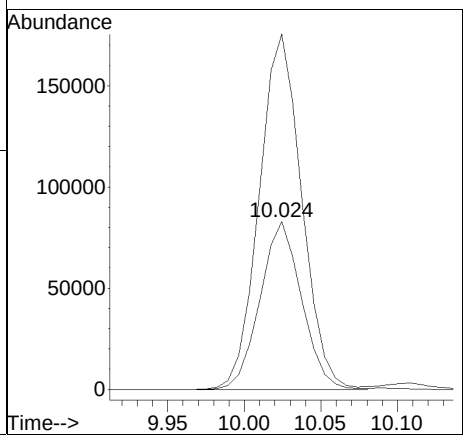


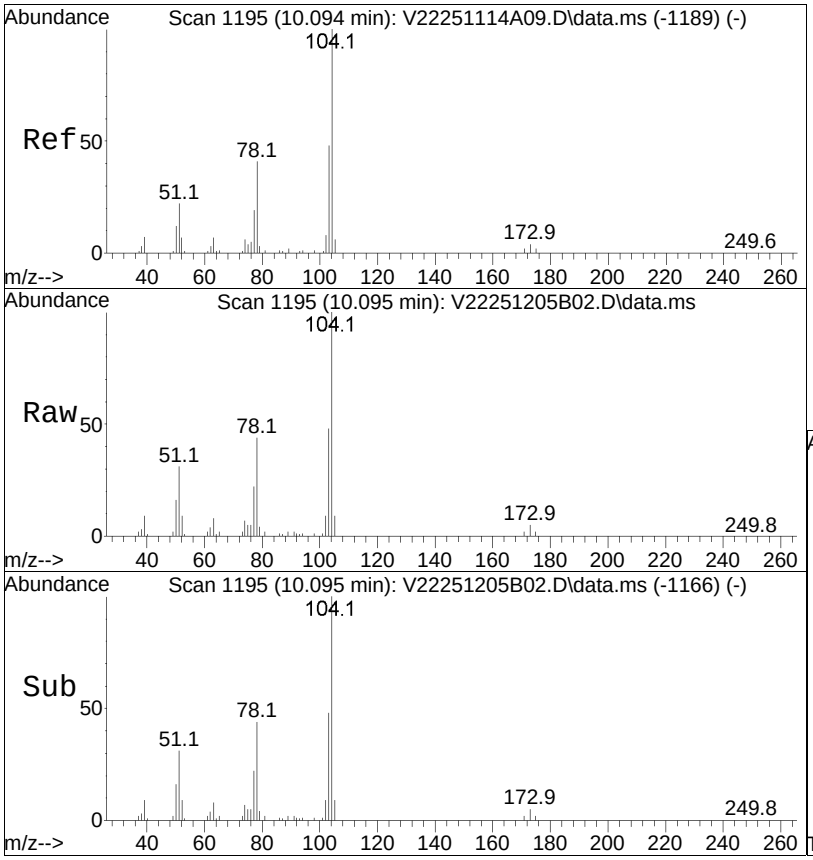


#81
o Xylene
Concen: 19.27 ug/L
RT: 10.024 min Scan# 1185
Delta R.T. 0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:106 Resp: 155825

Ion	Ratio	Lower	Upper
106	100		
91	216.7	168.0	252.0

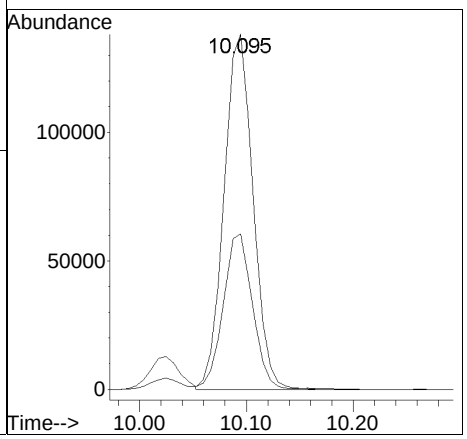


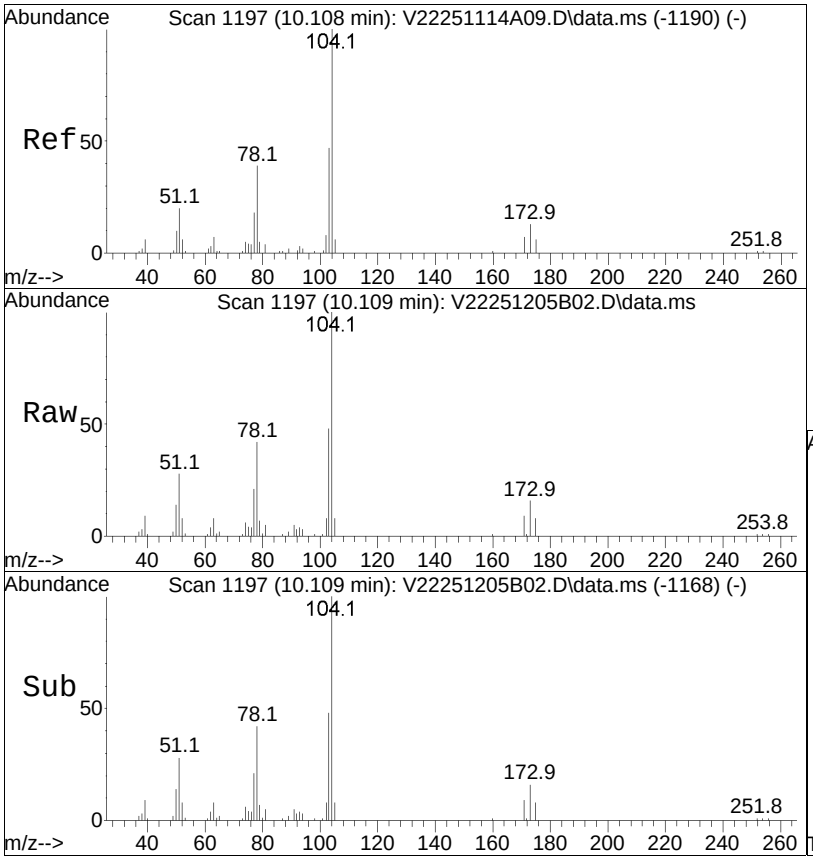


#82
Styrene
Concen: 19.85 ug/L
RT: 10.095 min Scan# 1195
Delta R.T. 0.001 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:104 Resp: 262076

Ion	Ratio	Lower	Upper
104	100		
78	44.1	32.6	49.0

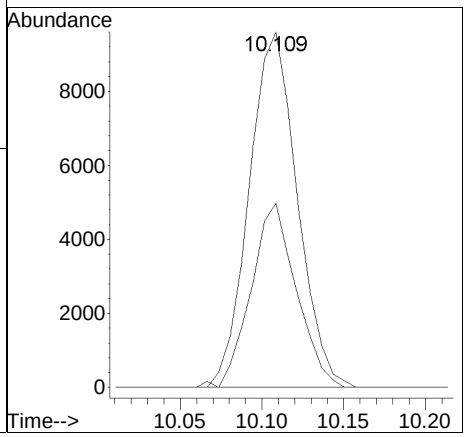


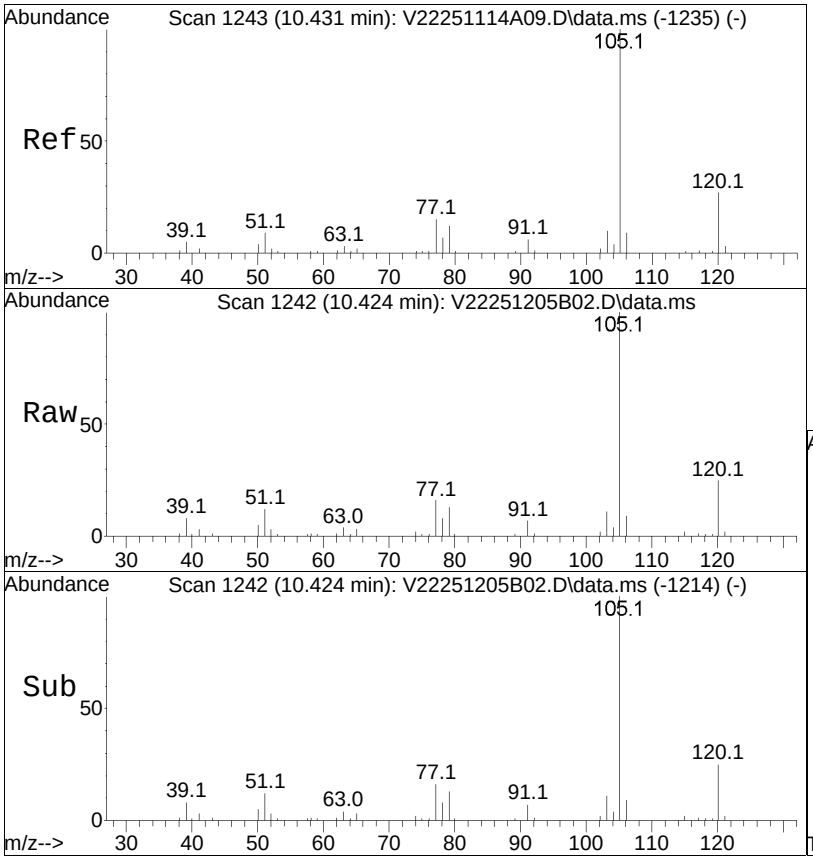


#84
Bromoform
Concen: 9.39 ug/L
RT: 10.109 min Scan# 1197
Delta R.T. 0.001 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:173 Resp: 19670

Ion	Ratio	Lower	Upper
173	100		
175	48.7	28.7	68.7

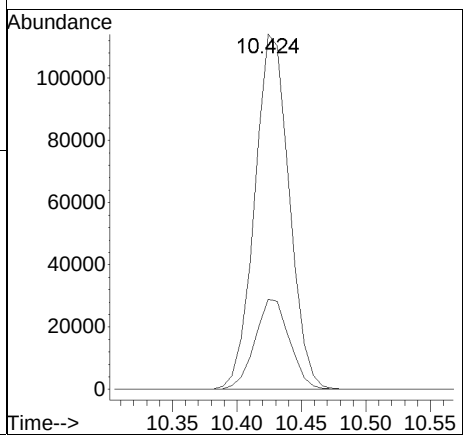


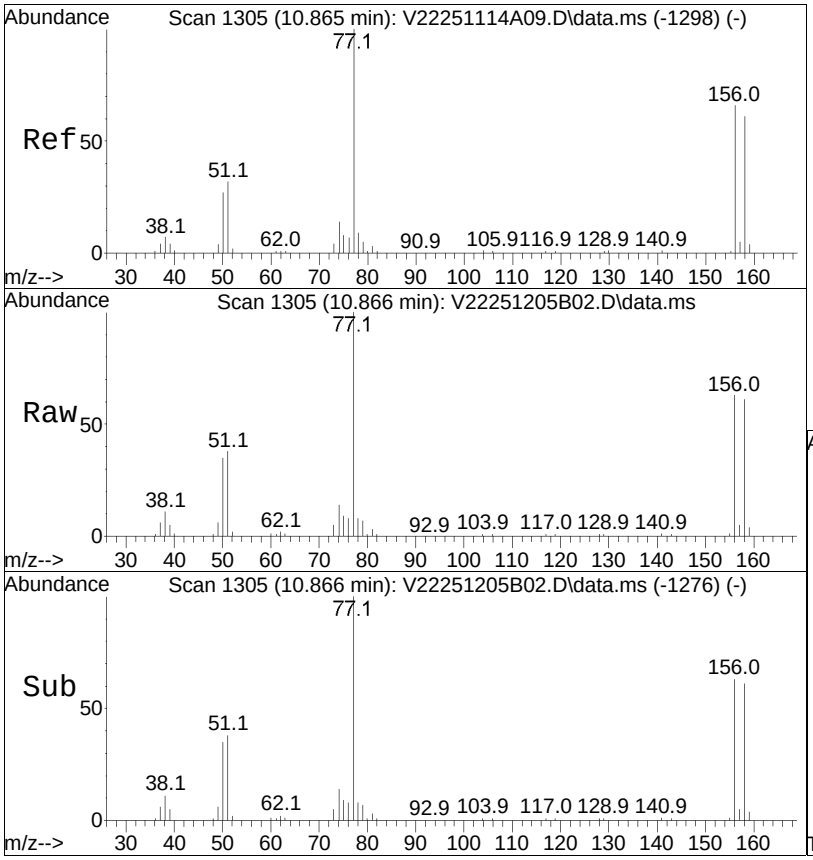


#86
Isopropylbenzene
Concen: 10.15 ug/L
RT: 10.424 min Scan# 1242
Delta R.T. -0.007 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:105 Resp: 212197

Ion	Ratio	Lower	Upper
105	100		
120	25.5	7.2	47.2

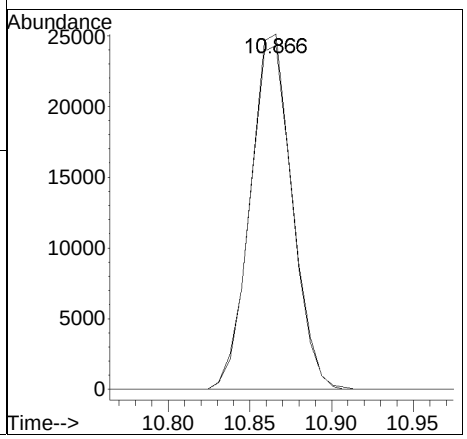


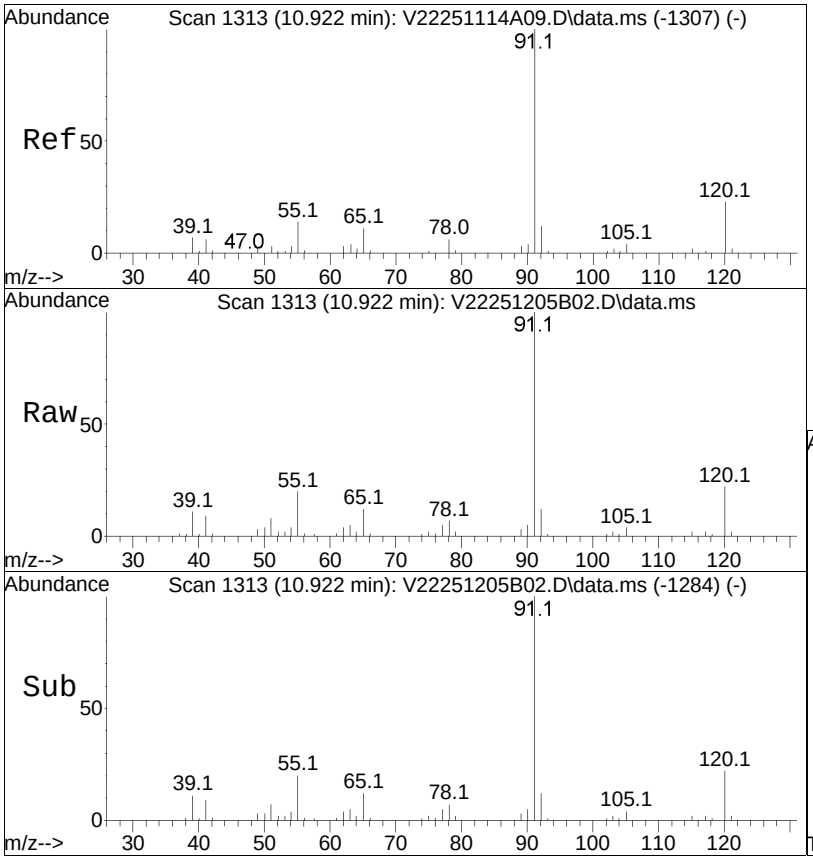


#88
Bromobenzene
Concen: 9.85 ug/L
RT: 10.866 min Scan# 1305
Delta R.T. 0.001 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:156 Resp: 44960

Ion	Ratio	Lower	Upper
156	100		
158	97.1	76.8	115.2

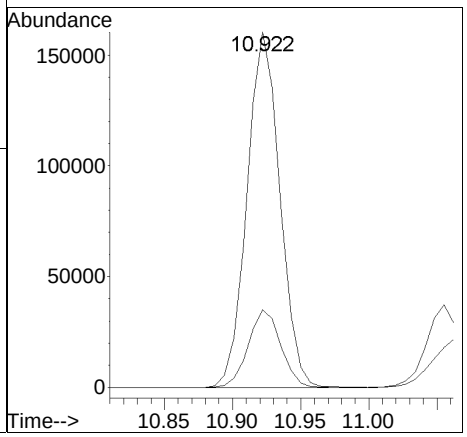


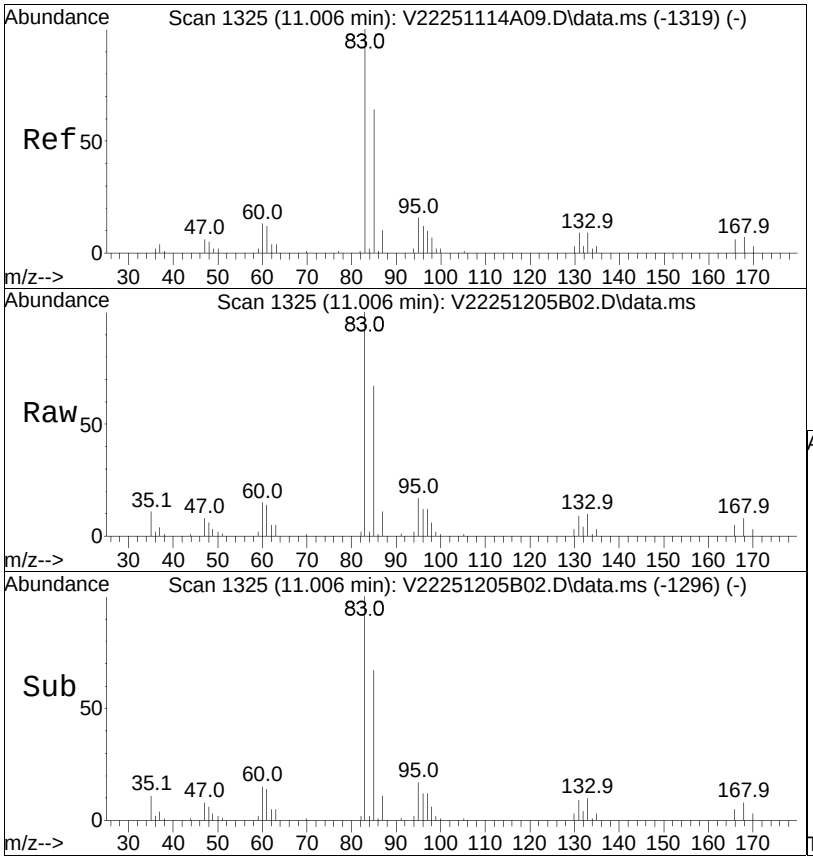


#89
n-Propylbenzene
Concen: 10.74 ug/L
RT: 10.922 min Scan# 1313
Delta R.T. 0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 91 Resp: 268666

Ion	Ratio	Lower	Upper
91	100		
120	21.6	18.8	28.2

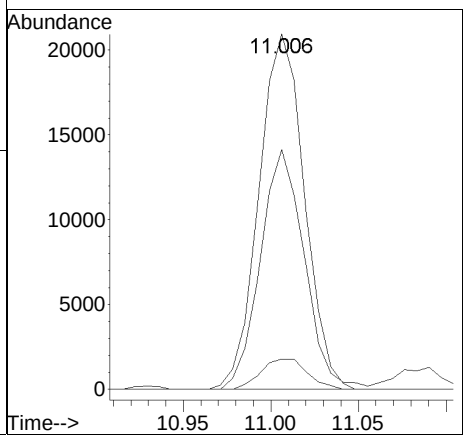


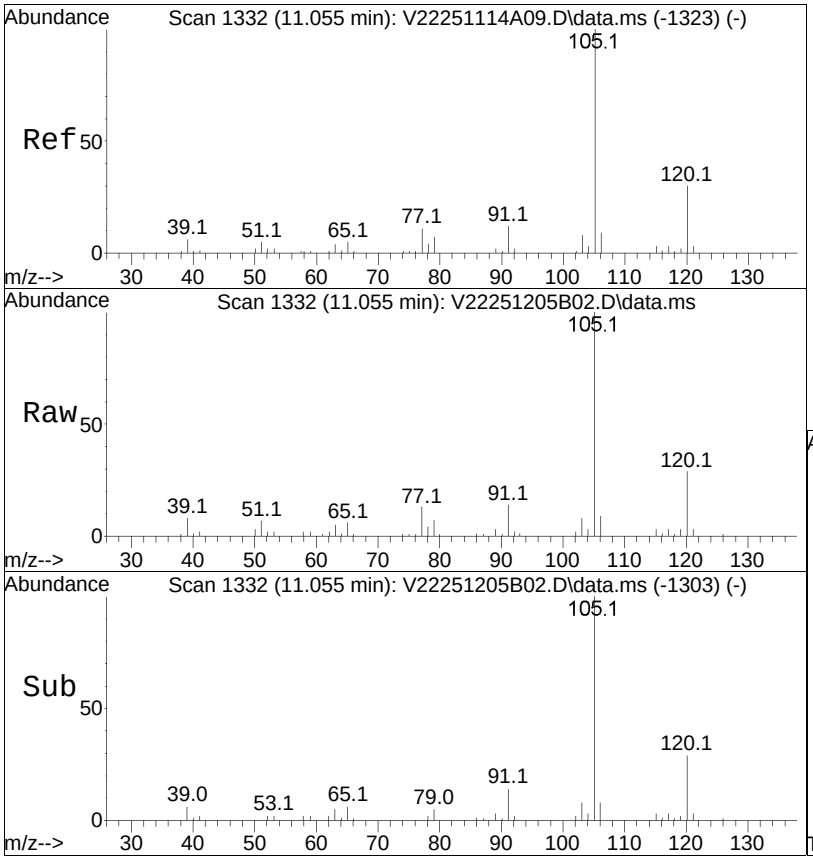


#91
1,1,2,2-Tetrachloroethane
Concen: 12.21 ug/L
RT: 11.006 min Scan# 1325
Delta R.T. 0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 83 Resp: 37894

Ion	Ratio	Lower	Upper
83	100		
131	8.8	0.0	29.8
85	65.1	44.6	84.6

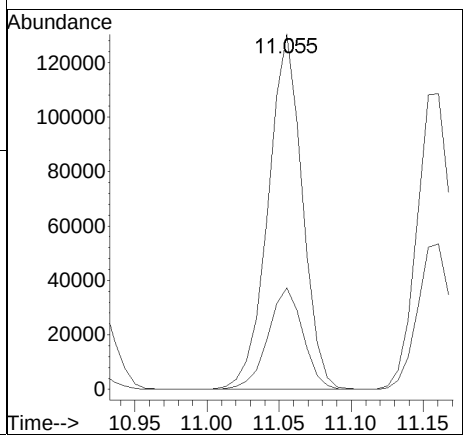


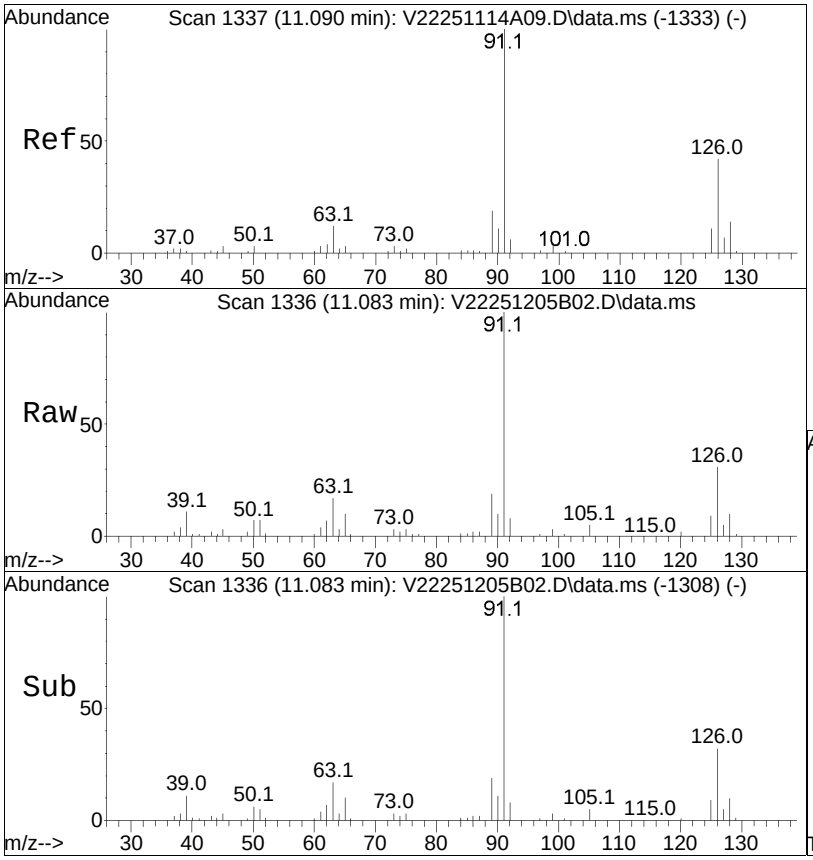


#92
4-Ethyltoluene
Concen: 10.44 ug/L
RT: 11.055 min Scan# 1332
Delta R.T. 0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:105 Resp: 215324

Ion	Ratio	Lower	Upper
105	100		
120	29.2	19.7	40.9

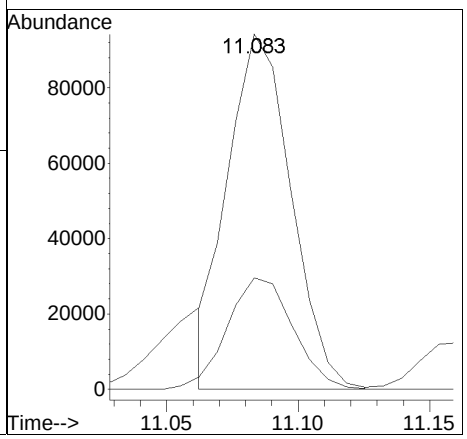


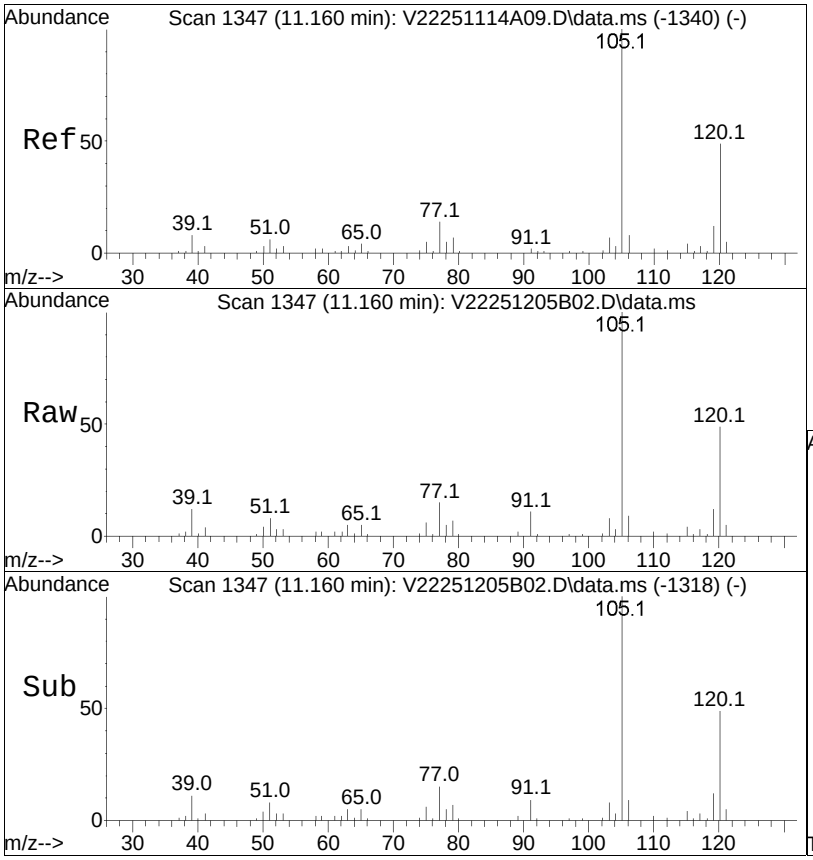


#93
2-Chlorotoluene
Concen: 11.06 ug/L M6
RT: 11.083 min Scan# 1336
Delta R.T. -0.007 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 91 Resp: 157803

Ion	Ratio	Lower	Upper
91	100		
126	32.8	27.7	41.5

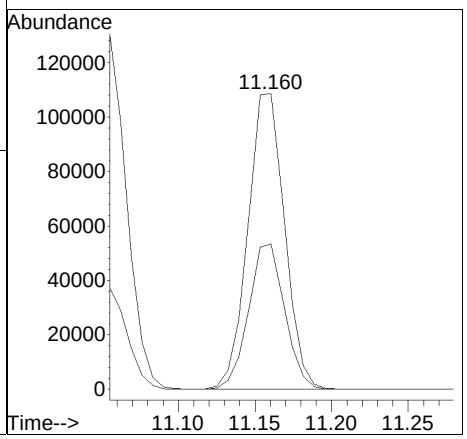


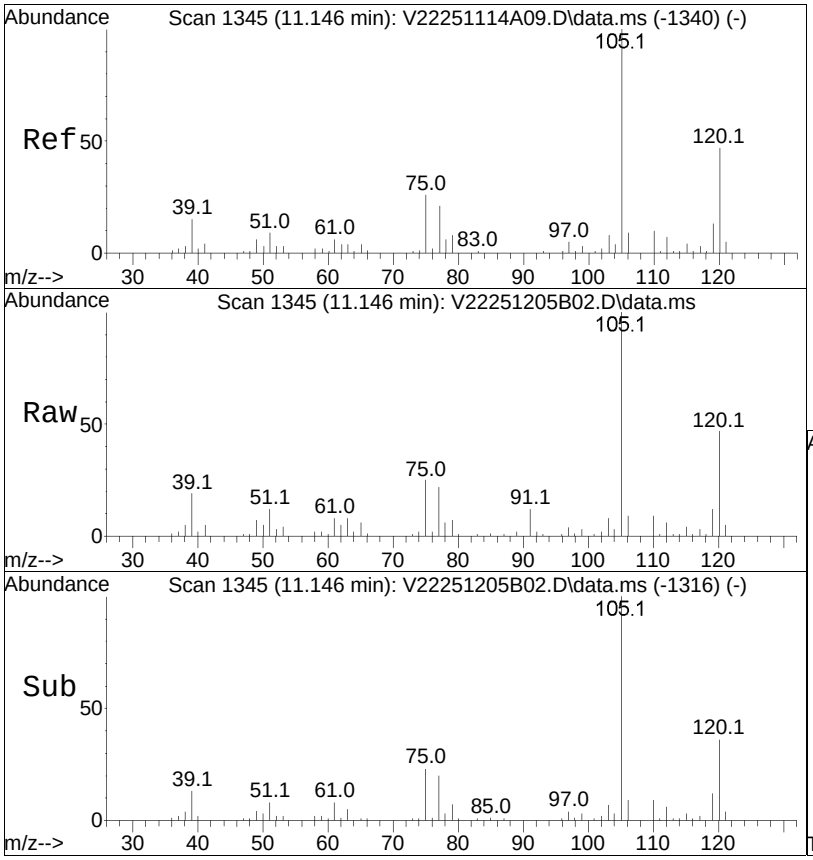


#94
1,3,5-Trimethylbenzene
Concen: 10.33 ug/L
RT: 11.160 min Scan# 1347
Delta R.T. 0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:105 Resp: 181532

Ion	Ratio	Lower	Upper
105	100		
120	48.3	40.1	60.1

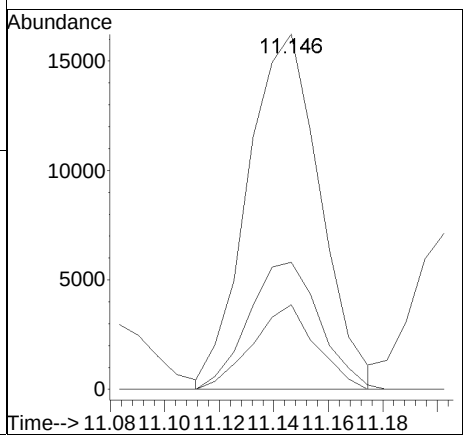


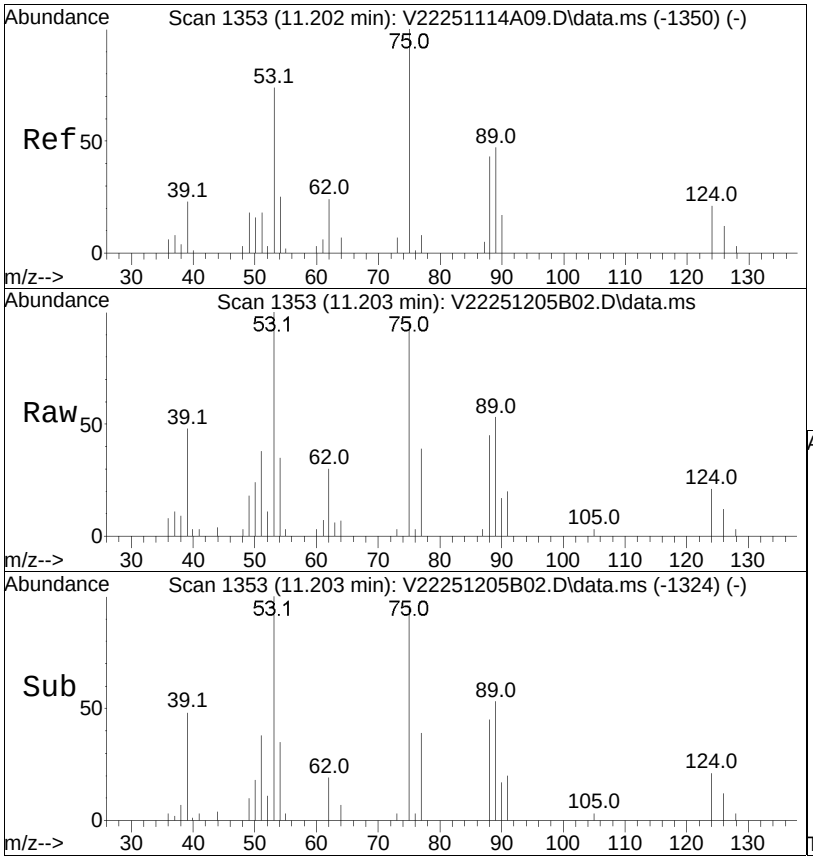


#95
1,2,3-Trichloropropane
Concen: 12.22 ug/L
RT: 11.146 min Scan# 1345
Delta R.T. 0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 75 Resp: 30047

Ion	Ratio	Lower	Upper
75	100		
110	35.1	24.6	51.0
112	20.8	15.3	31.9

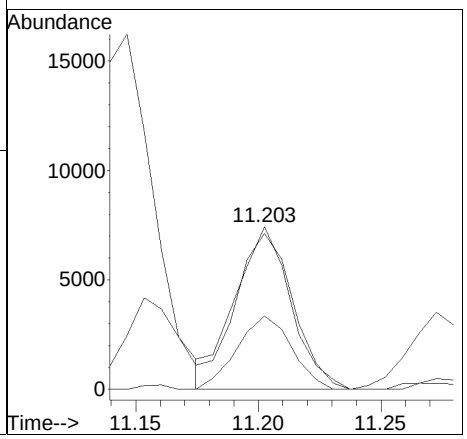


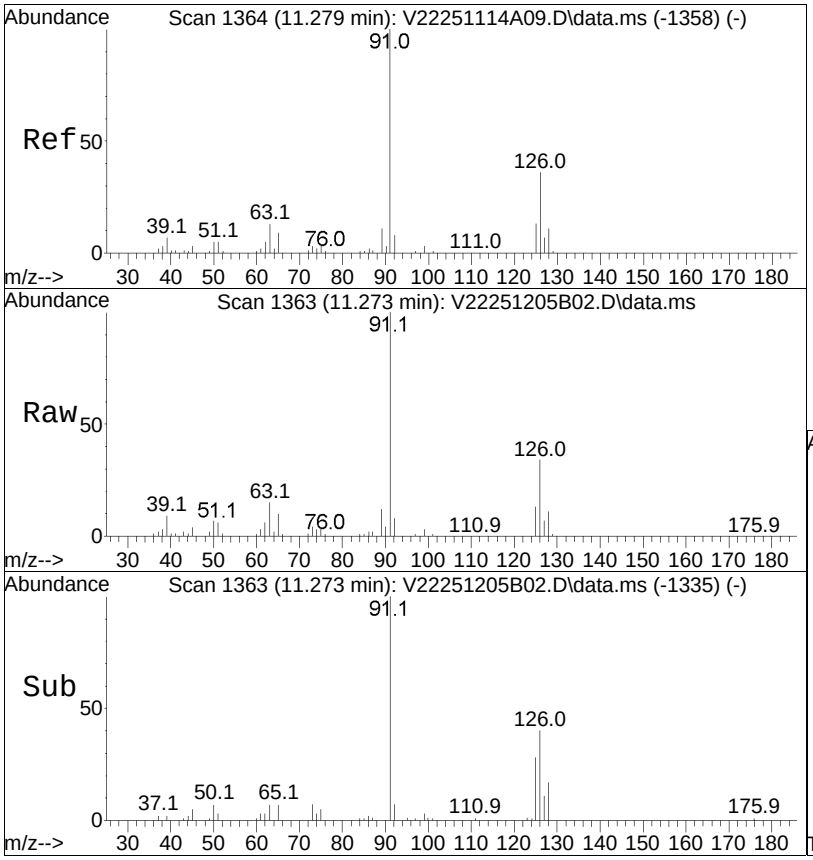


#96
trans-1,4-Dichloro-2-butene
Concen: 13.45 ug/L
RT: 11.203 min Scan# 1353
Delta R.T. 0.001 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 53 Resp: 11790

Ion	Ratio	Lower	Upper
53	100		
88	44.2	43.0	64.6
75	99.6	98.5	147.7

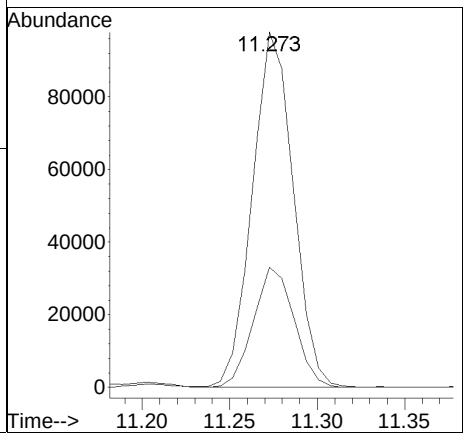


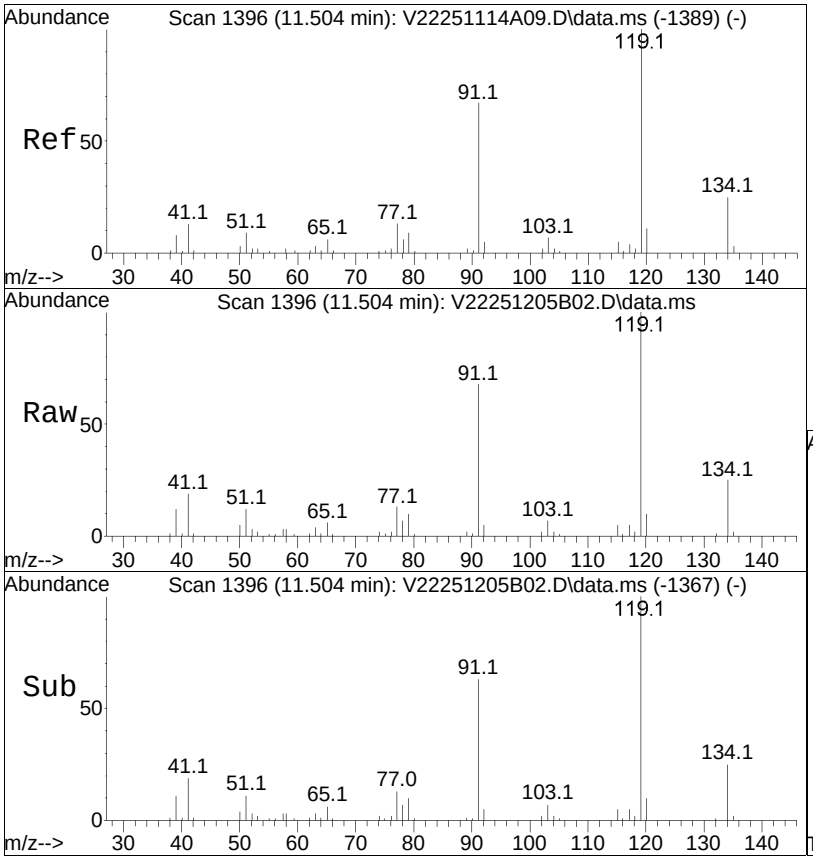


#97
4-Chlorotoluene
Concen: 10.68 ug/L
RT: 11.273 min Scan# 1363
Delta R.T. -0.006 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 91 Resp: 159182

Ion	Ratio	Lower	Upper
91	100		
126	33.6	28.0	42.0

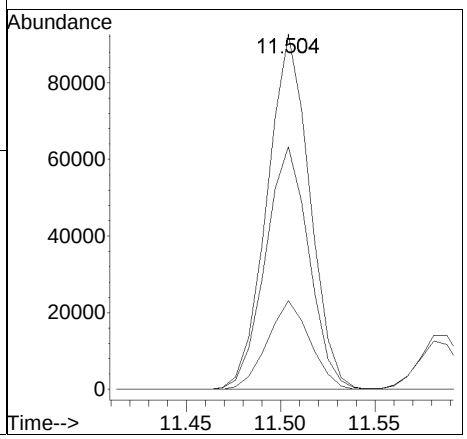


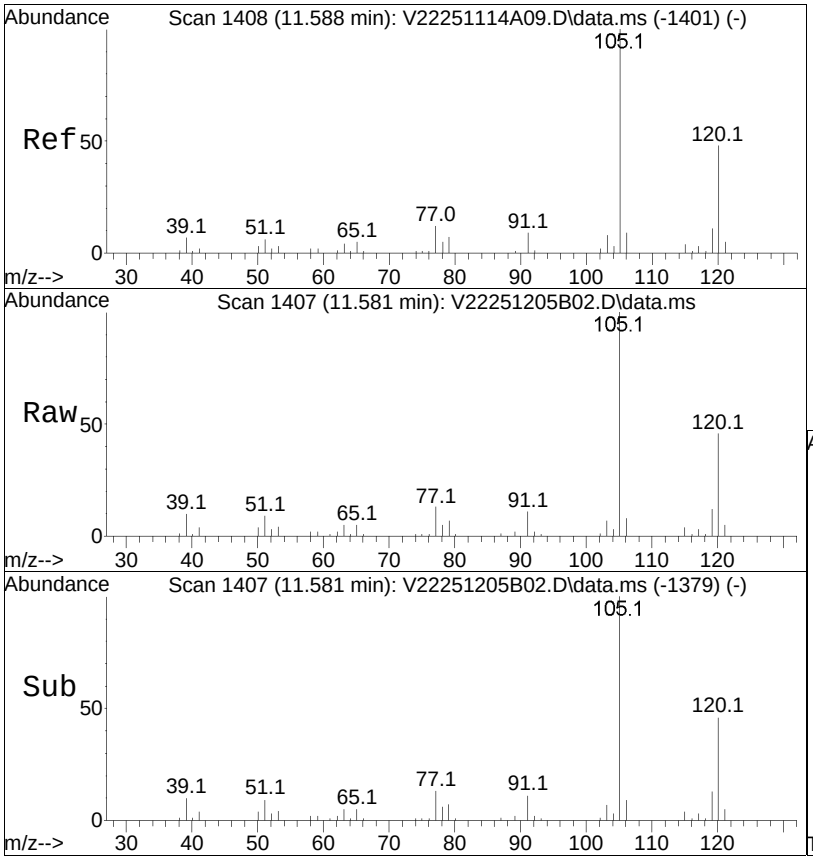


#98
tert-Butylbenzene
Concen: 9.66 ug/L
RT: 11.504 min Scan# 1396
Delta R.T. 0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:119 Resp: 145756

Ion	Ratio	Lower	Upper
119	100		
91	70.0	52.2	78.4
134	25.0	20.2	30.4

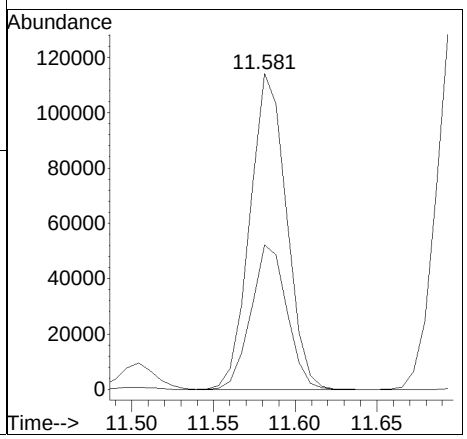


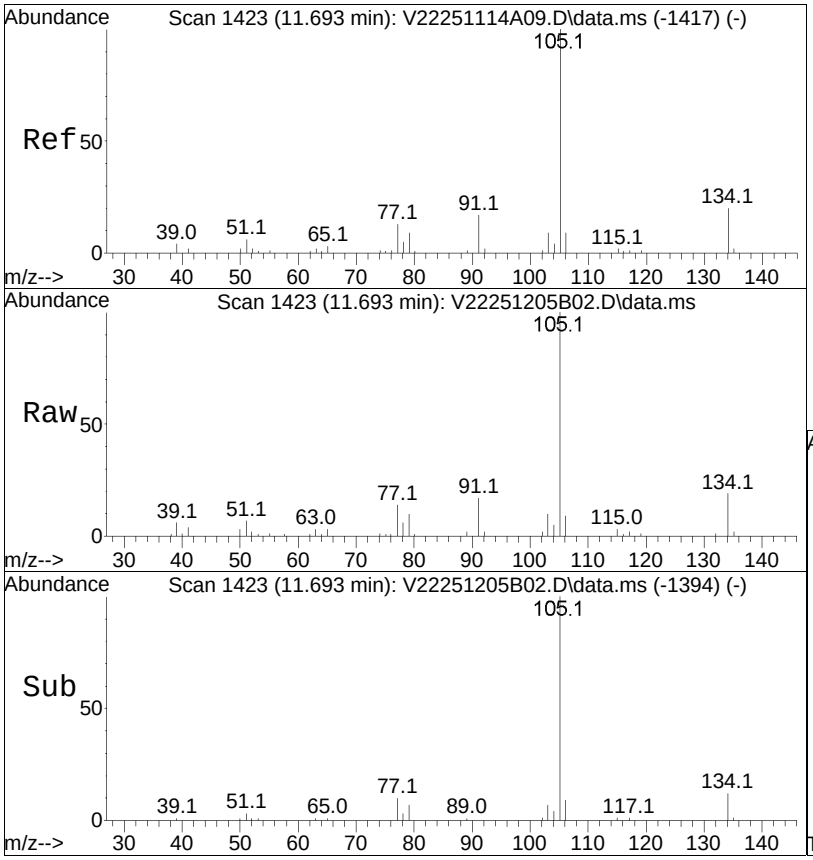


#101
1,2,4-Trimethylbenzene
Concen: 10.38 ug/L
RT: 11.581 min Scan# 1407
Delta R.T. -0.007 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:105 Resp: 176902

Ion	Ratio	Lower	Upper
105	100		
120	45.1	37.8	56.8

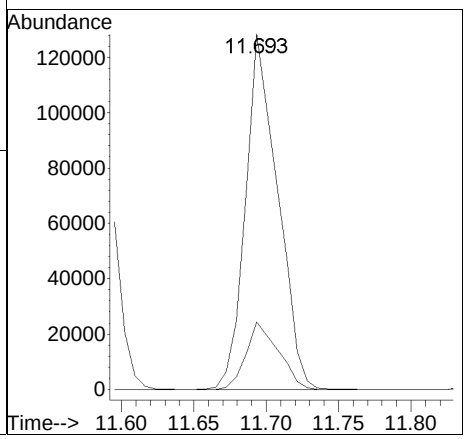


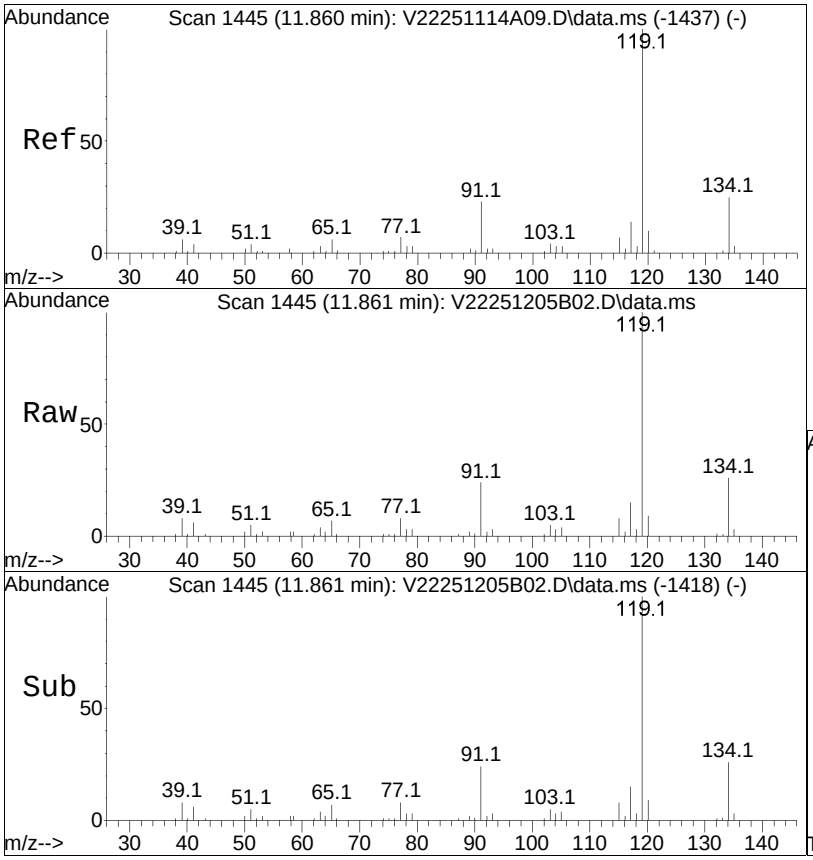


#102
sec-Butylbenzene
Concen: 11.54 ug/L
RT: 11.693 min Scan# 1423
Delta R.T. 0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:105 Resp: 141443

Ion	Ratio	Lower	Upper
105	100		
134	19.9	13.6	28.2

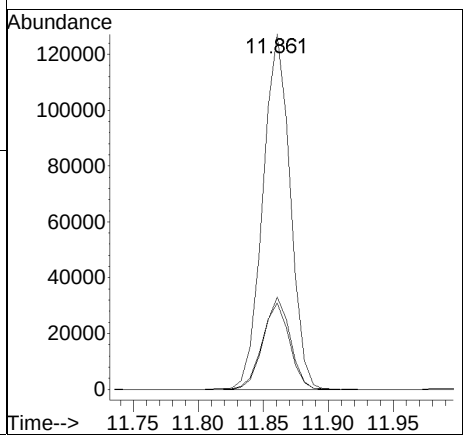


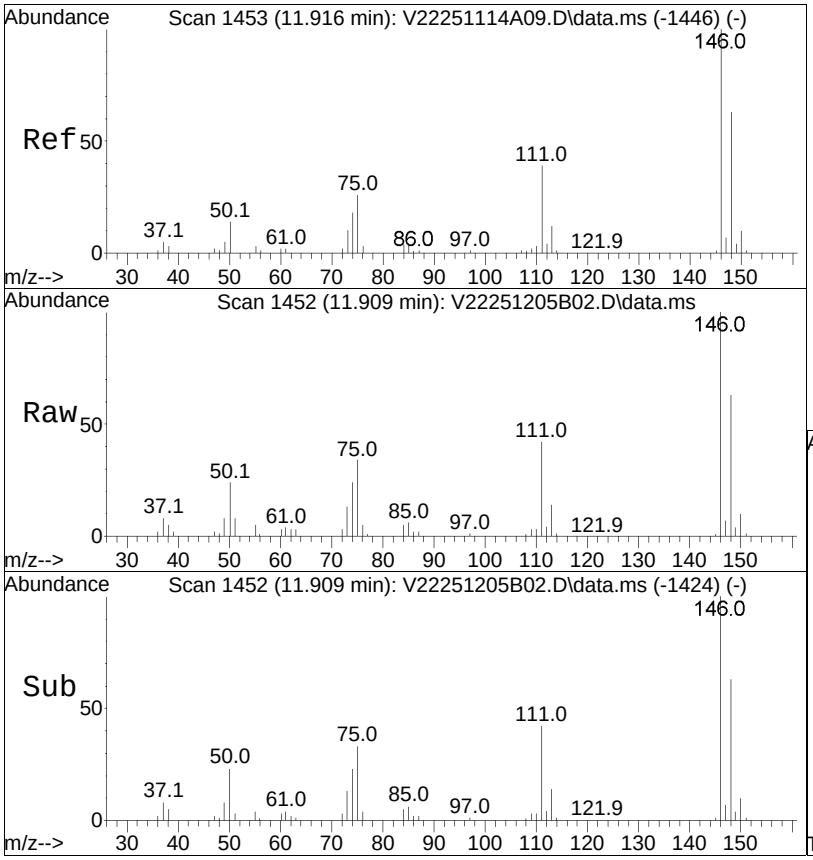


#103
p-Isopropyltoluene
Concen: 10.07 ug/L
RT: 11.861 min Scan# 1445
Delta R.T. 0.001 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:119 Resp: 186319

Ion	Ratio	Lower	Upper
119	100		
134	25.3	17.0	35.4
91	24.3	14.8	30.8

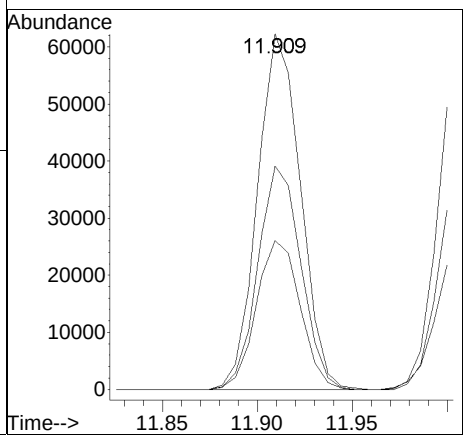


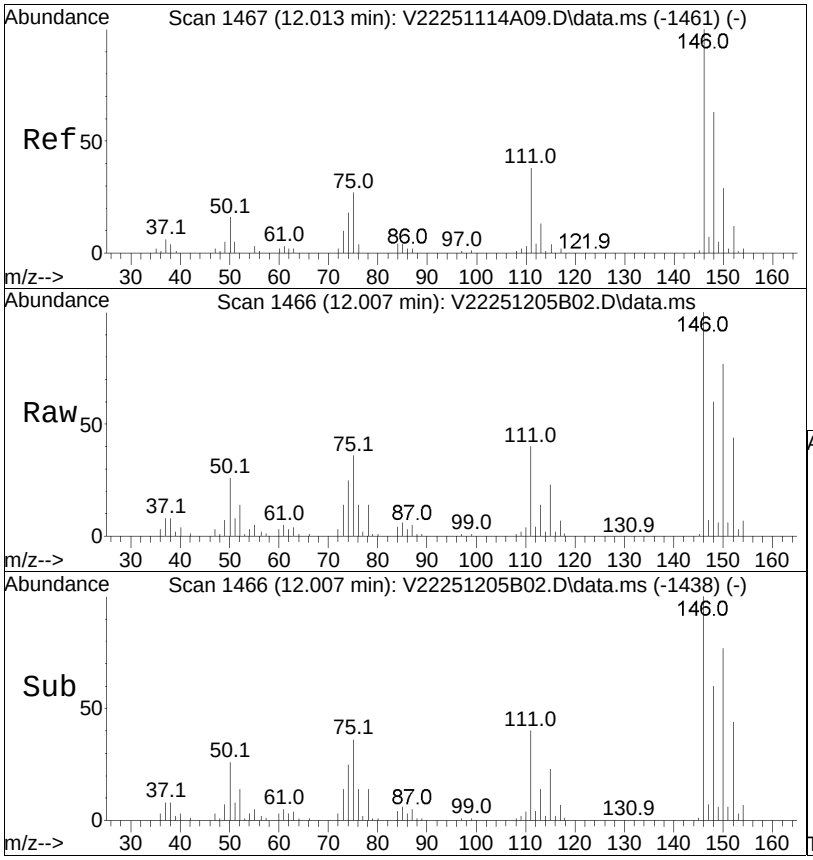


#104
1,3-Dichlorobenzene
Concen: 10.33 ug/L
RT: 11.909 min Scan# 1452
Delta R.T. -0.007 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:146 Resp: 97859

Ion	Ratio	Lower	Upper
146	100		
111	42.7	26.1	54.3
148	62.9	41.7	86.7

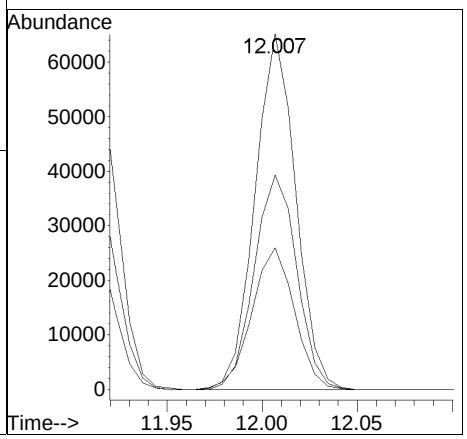


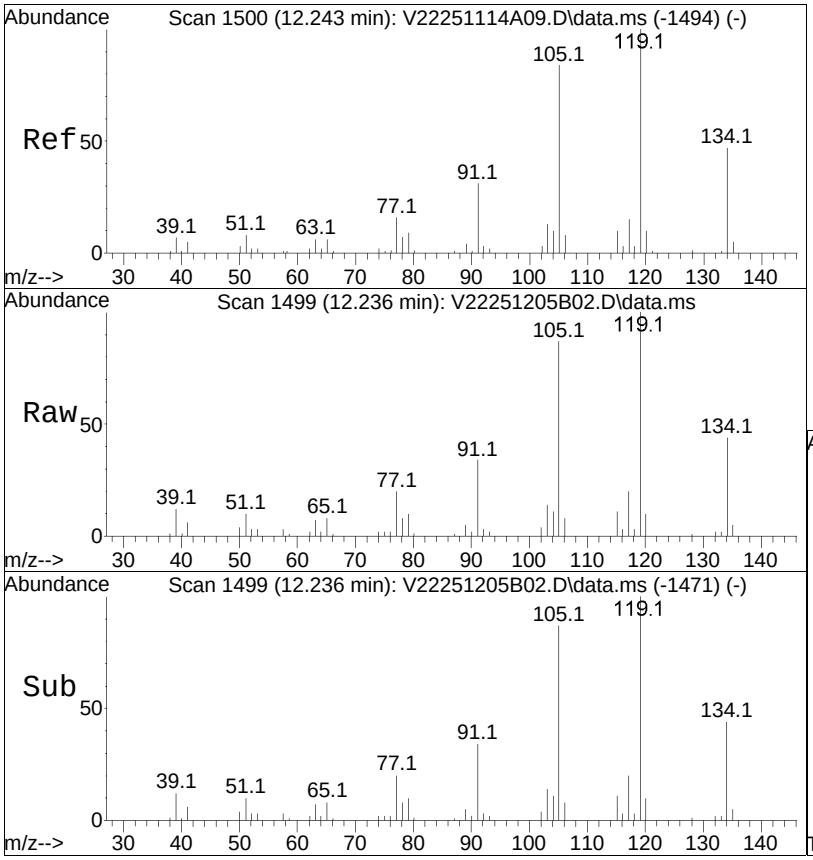


#105
1,4-Dichlorobenzene
Concen: 10.40 ug/L
RT: 12.007 min Scan# 1466
Delta R.T. -0.006 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:146 Resp: 97137

Ion	Ratio	Lower	Upper
146	100		
111	41.8	31.7	47.5
148	63.1	51.5	77.3

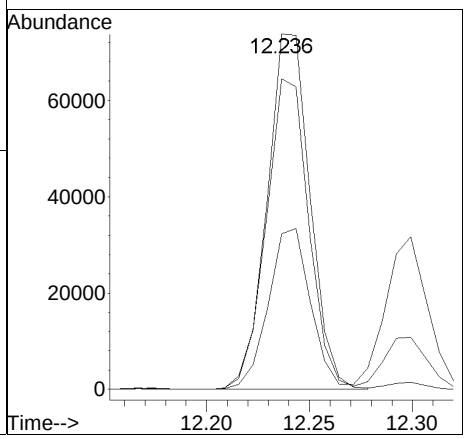


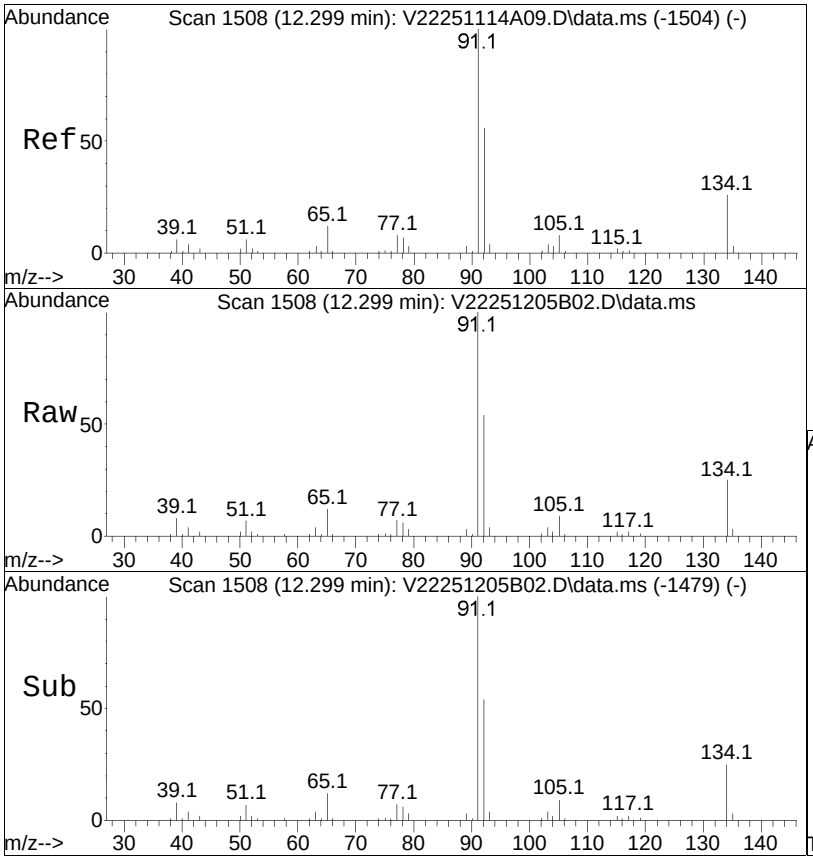


#106
p-Diethylbenzene
Concen: 10.03 ug/L
RT: 12.236 min Scan# 1499
Delta R.T. -0.007 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:119 Resp: 107302

Ion	Ratio	Lower	Upper
119	100		
105	86.5	54.2	112.6
134	44.7	30.7	63.9

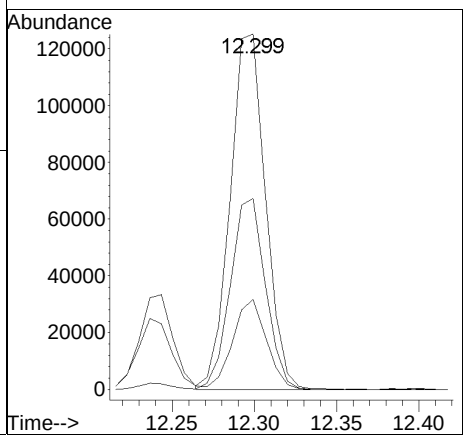


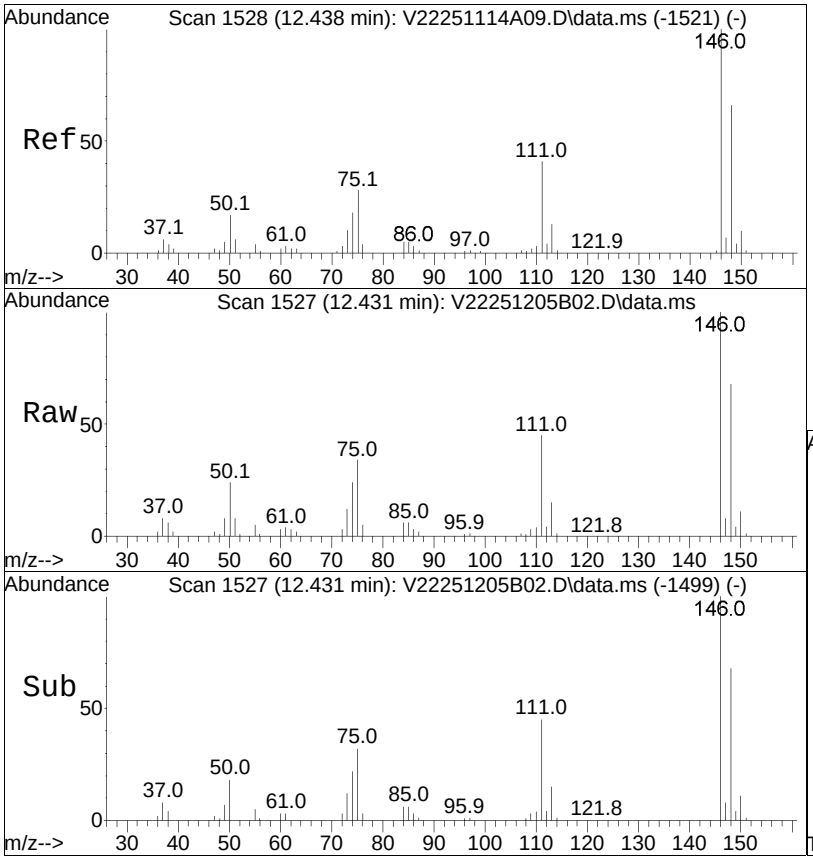


#107
n-Butylbenzene
Concen: 11.68 ug/L
RT: 12.299 min Scan# 1508
Delta R.T. 0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion: 91 Resp: 187364

Ion	Ratio	Lower	Upper
91	100		
92	53.2	43.8	65.6
134	24.0	21.3	31.9

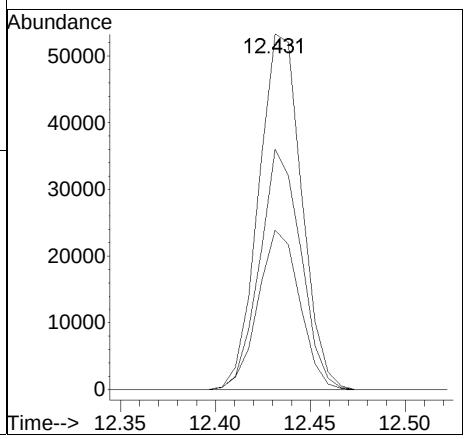


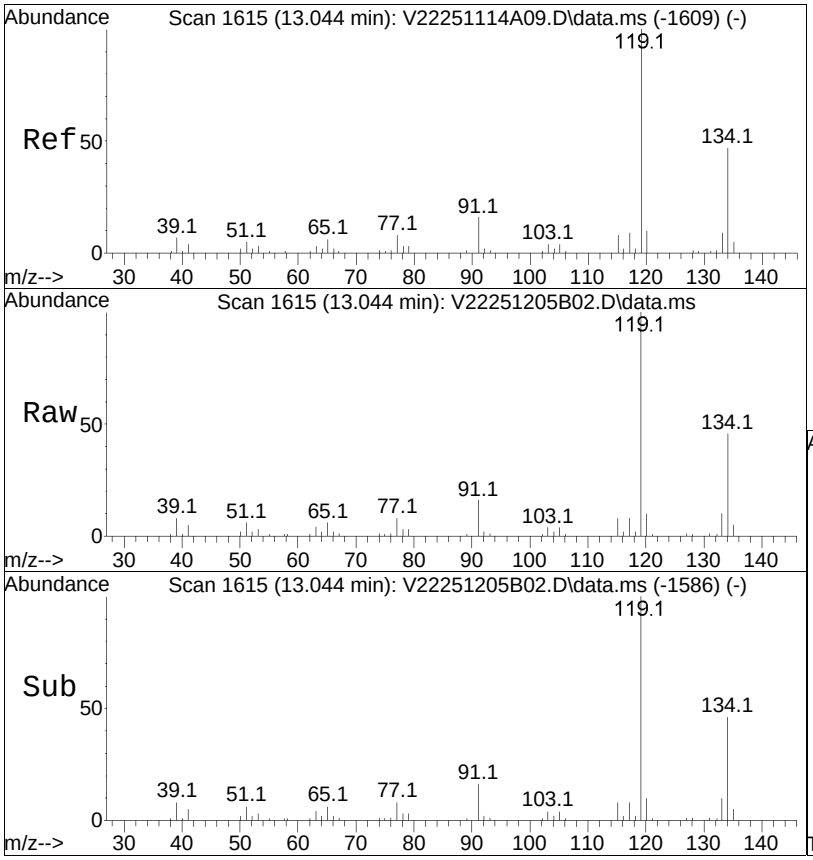


#108
1,2-Dichlorobenzene
Concen: 10.21 ug/L
RT: 12.431 min Scan# 1527
Delta R.T. -0.007 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:146 Resp: 83962

Ion	Ratio	Lower	Upper
146	100		
111	43.4	26.8	55.8
148	64.5	41.5	86.1

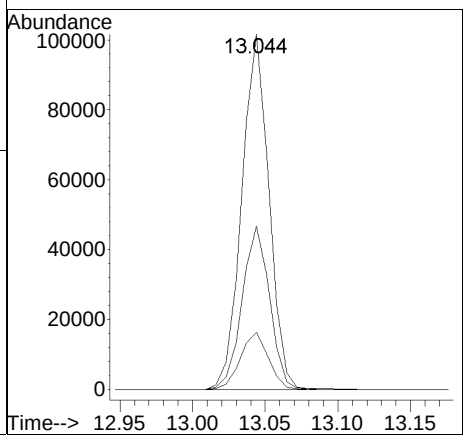


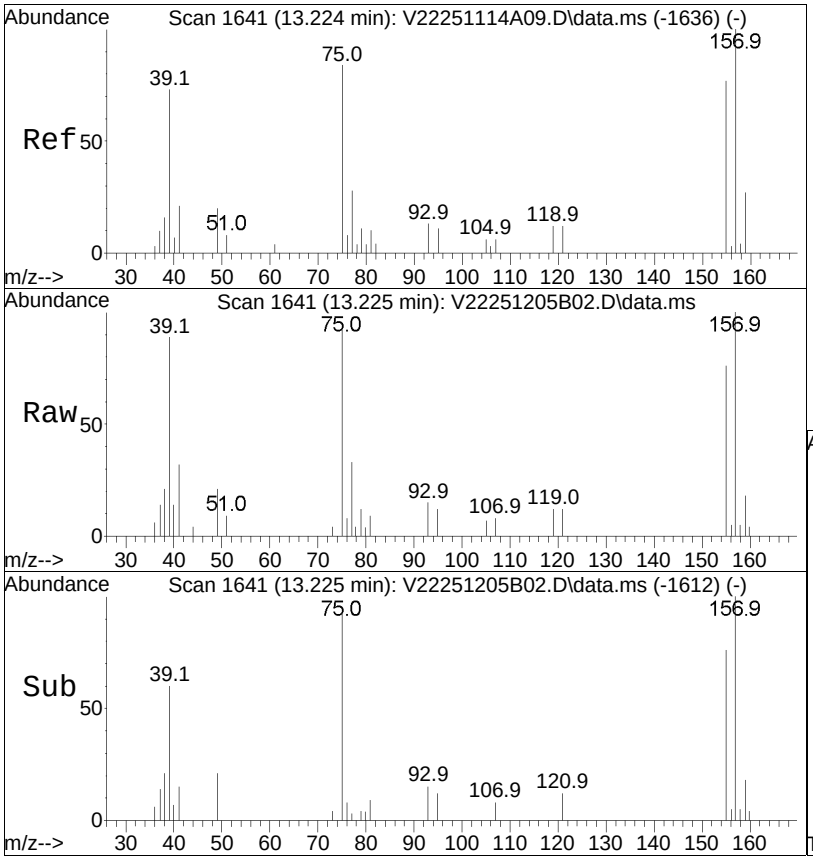


#109
1,2,4,5-Tetramethylbenzene
Concen: 9.20 ug/L
RT: 13.044 min Scan# 1615
Delta R.T. -0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:119 Resp: 132353

Ion	Ratio	Lower	Upper
119	100		
134	46.4	30.8	64.0
91	16.5	10.3	21.3

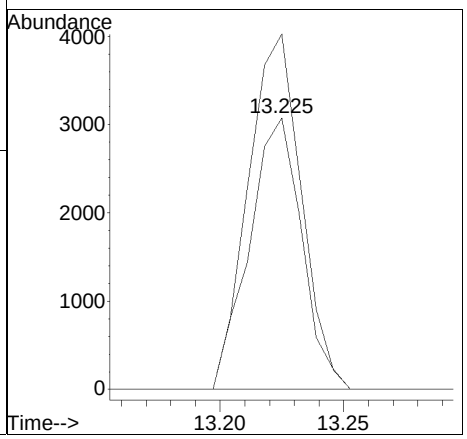


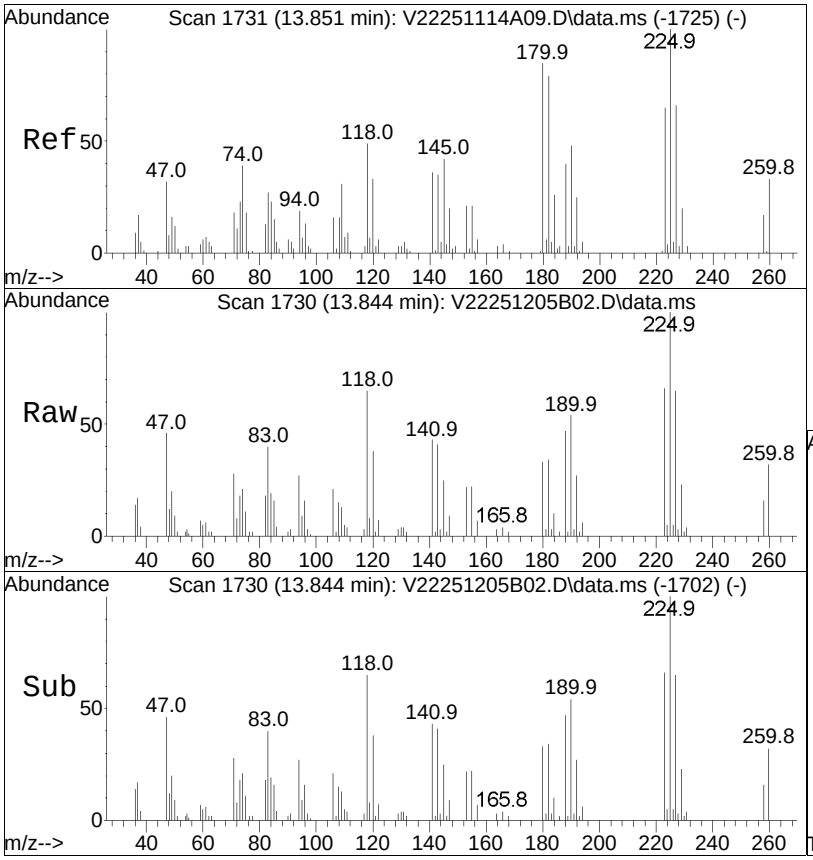


#110
1,2-Dibromo-3-chloropropane
Concen: 9.76 ug/L
RT: 13.225 min Scan# 1641
Delta R.T. 0.001 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:155 Resp: 4553

Ion	Ratio	Lower	Upper
155	100		
157	131.8	98.6	147.8

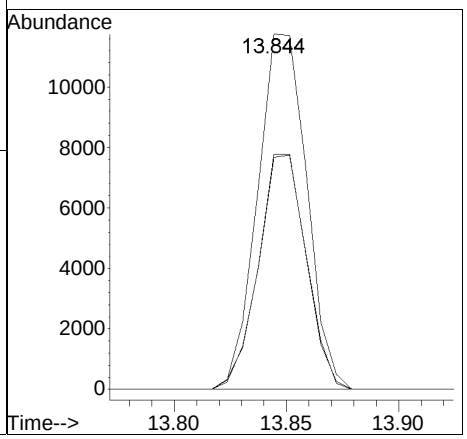


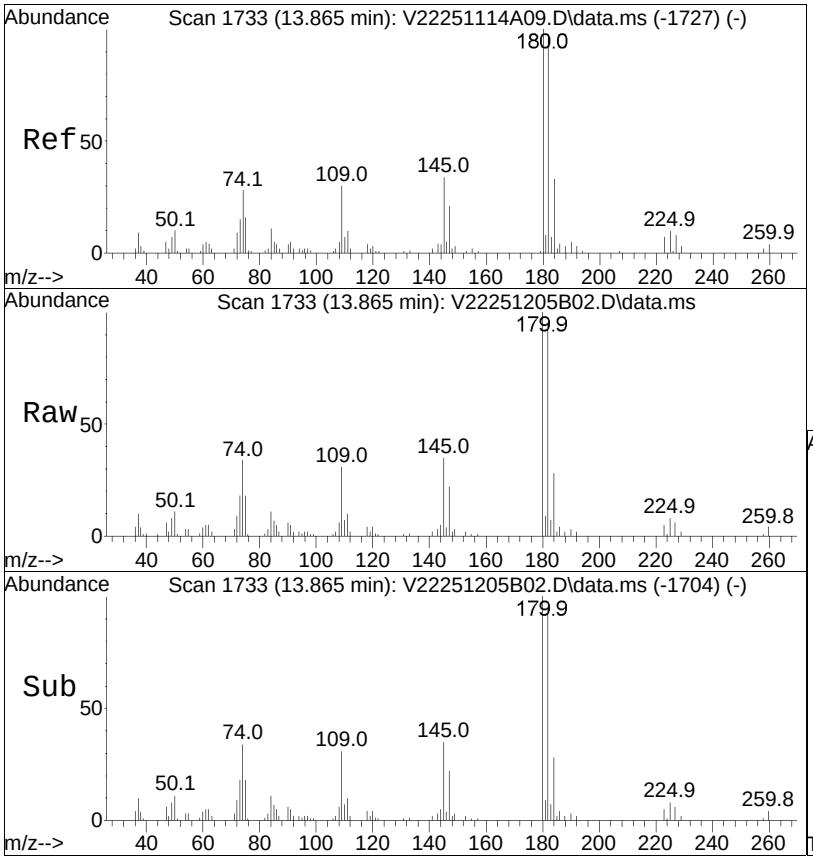


#112
Hexachlorobutadiene
Concen: 9.67 ug/L
RT: 13.844 min Scan# 1730
Delta R.T. -0.007 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:225 Resp: 17920

Ion	Ratio	Lower	Upper
225	100		
223	64.5	50.2	75.4
227	64.2	52.6	79.0

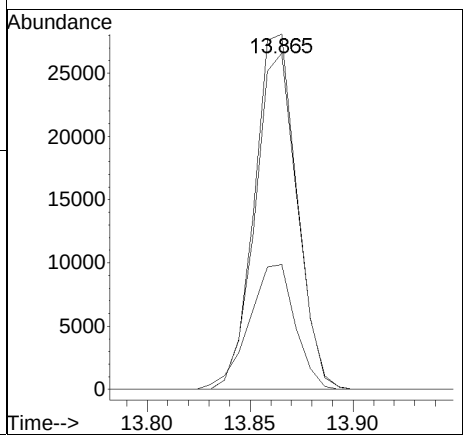


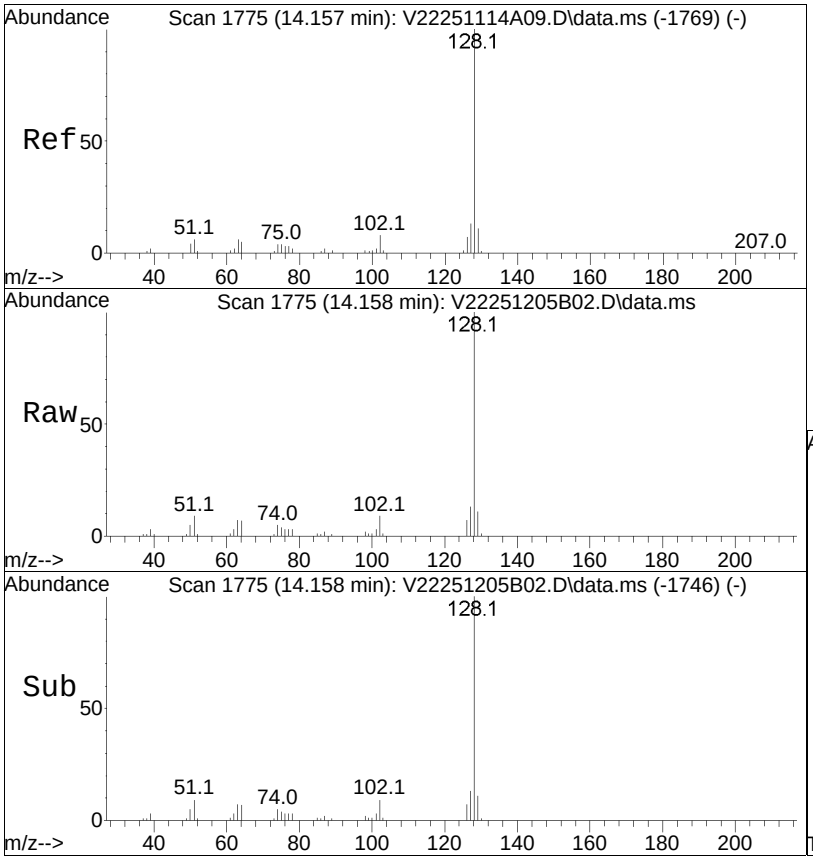


#113
1,2,4-Trichlorobenzene
Concen: 9.08 ug/L
RT: 13.865 min Scan# 1733
Delta R.T. 0.000 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:180 Resp: 40473

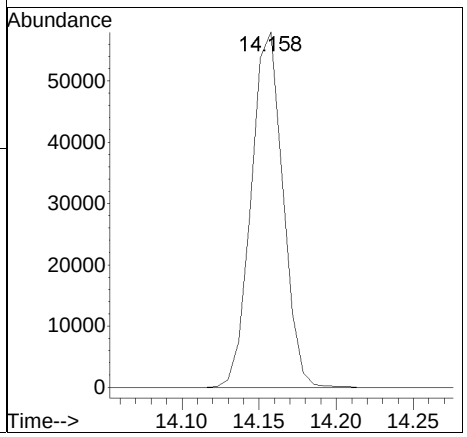
Ion	Ratio	Lower	Upper
180	100		
182	94.0	77.0	115.6
145	38.2	29.4	44.0

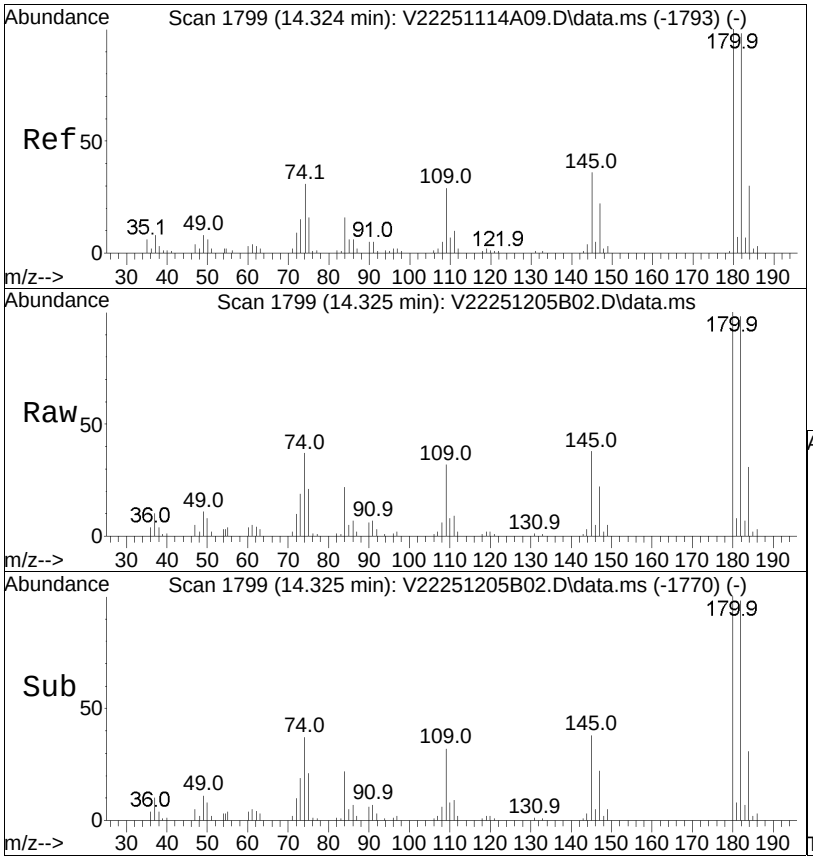




#114
Naphthalene
Concen: 8.64 ug/L
RT: 14.158 min Scan# 1775
Delta R.T. 0.001 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:128 Resp: 83053

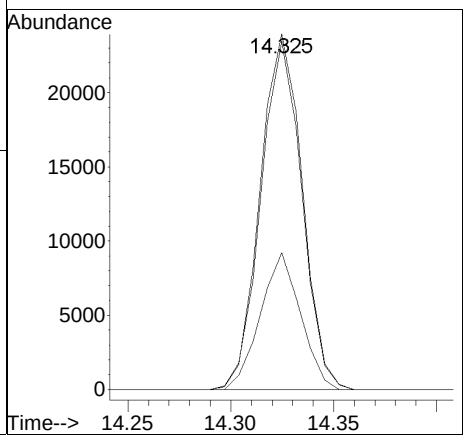




#115
1,2,3-Trichlorobenzene
Concen: 9.32 ug/L
RT: 14.325 min Scan# 1799
Delta R.T. 0.001 min
Lab File: V22251205B02.D
Acq: 05 Dec 2025 12:31 pm

Tgt Ion:180 Resp: 34026

Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.0	115.4
145	36.6	28.1	42.1

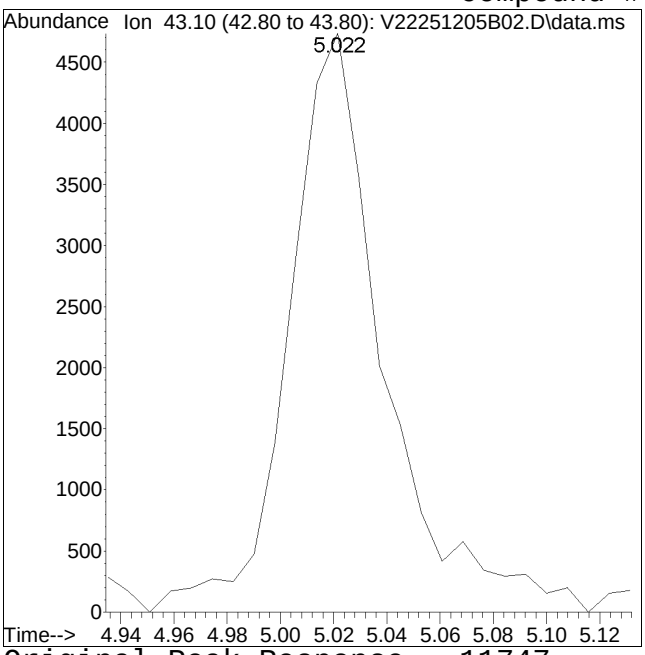


Manual Integration Report

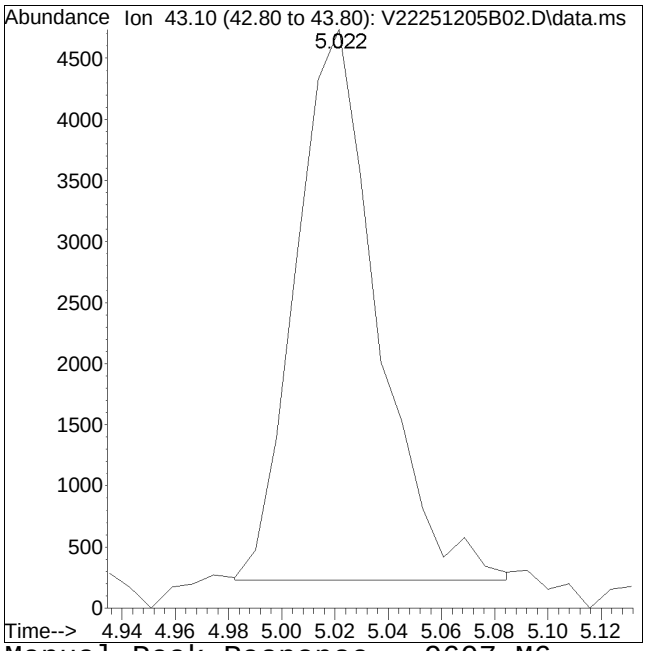
Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B02.D
Date Inj'd : 12/5/2025 12:31 pm
Sample : WG2150855-4,31,10,10

QMethod : V122_251114A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 12/5/2025 1:25 pm

Compound #41: 2-Butanone



Original Peak Response = 11747



Manual Peak Response = 9607 M6

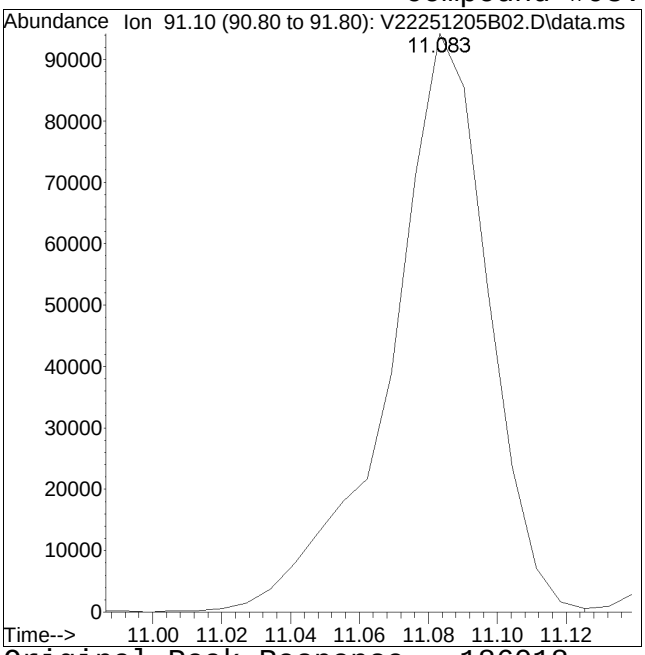
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

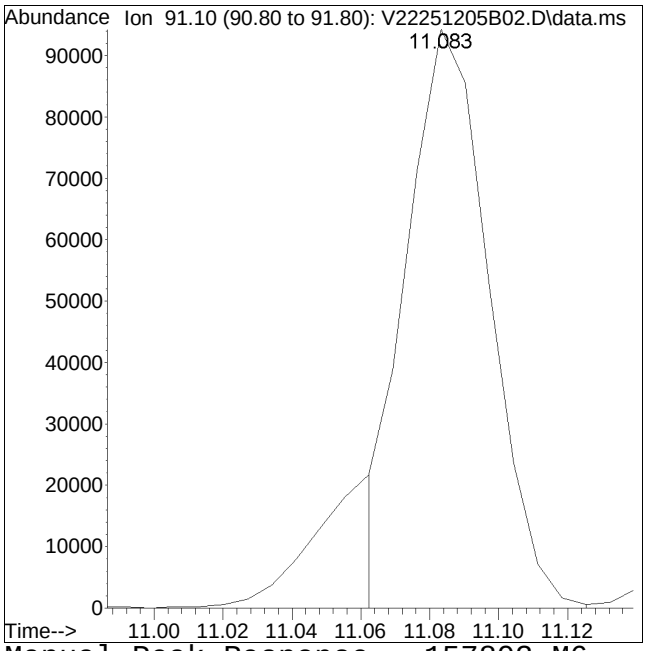
Data Path : K:\VOA122\2025\251205B\
Data File : V22251205B02.D
Date Inj'd : 12/5/2025 12:31 pm
Sample : WG2150855-4,31,10,10

QMethod : V122_251114A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 12/5/2025 1:25 pm

Compound #93: 2-Chlorotoluene



Original Peak Response = 186018



Manual Peak Response = 157803 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A26.D
Acq On : 3 Dec 2025 7:35 pm
Operator : VOA105:BAD
Sample : WG2149674-6,31,10,10,,A1
Misc : WG2149674,ICAL22802
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 04 13:02:09 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.506	96	283085	10.000 ug/L	0.00
Standard Area 1 = 383158			Recovery = 73.88%		
59) Chlorobenzene-d5	8.985	117	226800	10.000 ug/L	0.00
Standard Area 1 = 313563			Recovery = 72.33%		
79) 1,4-Dichlorobenzene-d4	11.790	152	151761	10.000 ug/L	0.00
Standard Area 1 = 191277			Recovery = 79.34%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.732	113	77494	9.925 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.25%		
43) 1,2-Dichloroethane-d4	5.238	65	96576	9.874 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.74%		
60) Toluene-d8	7.164	98	265405	9.253 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.53%		
83) 4-Bromofluorobenzene	10.531	95	114157	8.768 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.68%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.430	85	98476	10.369 ug/L	97
3) Chloromethane	1.602	50	75230	5.927 ug/L	99
4) Vinyl chloride	1.657	62	80307	8.280 ug/L	91
5) Bromomethane	1.925	94	19504	5.463 ug/L #	69
6) Chloroethane	2.021	64	58047	10.518 ug/L	98
7) Trichlorofluoromethane	2.144	101	140974	12.040 ug/L	100
8) Ethyl ether	2.419	74	31035	10.097 ug/L	76
10) 1,1-Dichloroethene	2.590	96	66201	11.636 ug/L	79
11) Carbon disulfide	2.618	76	200761	10.081 ug/L	100
15) Methylene chloride	3.112	84	66285	9.560 ug/L	72
17) Acetone	3.174	43	11892	8.235 ug/L	100
18) trans-1,2-Dichloroethene	3.249	96	72945	10.655 ug/L	85
20) Methyl tert-butyl ether	3.345	73	160030	10.612 ug/L	86
23) 1,1-Dichloroethane	3.805	63	136366	8.839 ug/L	97
25) Acrylonitrile	3.874	53	15865	8.041 ug/L	97
27) Vinyl acetate	4.039	43	91574M6	6.065 ug/L	
28) cis-1,2-Dichloroethene	4.306	96	80157	10.451 ug/L	87
29) 2,2-Dichloropropane	4.396	77	114640	10.677 ug/L	87
30) Bromochloromethane	4.492	128	39781	12.285 ug/L #	60
32) Chloroform	4.560	83	251793	18.884 ug/L	96
34) Carbon tetrachloride	4.677	117	127605	11.623 ug/L	99

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A26.D
Acq On : 3 Dec 2025 7:35 pm
Operator : VOA105:BAD
Sample : WG2149674-6,31,10,10,,A1
Misc : WG2149674,ICAL22802
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 04 13:02:09 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 1,1,1-Trichloroethane	4.739	97	136573	11.596	ug/L		94
39) 2-Butanone	4.862	43	14207	6.669	ug/L	#	79
40) 1,1-Dichloropropene	4.862	75	93625	10.115	ug/L		96
41) Benzene	5.097	78	274663	9.608	ug/L		94
44) 1,2-Dichloroethane	5.309	62	101320	9.872	ug/L		99
48) Trichloroethene	5.683	95	89585	11.478	ug/L		94
50) Dibromomethane	6.120	93	37766	10.120	ug/L	#	81
51) 1,2-Dichloropropane	6.212	63	65445	8.080	ug/L	#	93
54) Bromodichloromethane	6.296	83	96584	9.947	ug/L		92
57) 1,4-Dioxane	6.508	88	12897	396.238	ug/L		85
58) cis-1,3-Dichloropropene	6.974	75	93343	8.561	ug/L		92
61) Toluene	7.221	92	170827	9.522	ug/L		100
62) 4-Methyl-2-pentanone	7.672	58	13375	7.779	ug/L	#	74
63) Tetrachloroethene	7.658	166	118935	15.465	ug/L		93
65) trans-1,3-Dichloropropene	7.715	75	83567	8.872	ug/L		85
67) Ethyl methacrylate	7.905	69	51602	8.780	ug/L		96
68) 1,1,2-Trichloroethane	7.898	83	40239	9.595	ug/L		96
69) Chlorodibromomethane	8.103	129	71863	10.776	ug/L		98
70) 1,3-Dichloropropane	8.208	76	84708	9.215	ug/L		100
71) 1,2-Dibromoethane	8.364	107	52380	10.652	ug/L		97
72) 2-Hexanone	8.674	43	18559	6.329	ug/L	#	89
73) Chlorobenzene	9.006	112	196831	9.820	ug/L		94
74) Ethylbenzene	9.041	91	339089	9.659	ug/L		96
75) 1,1,1,2-Tetrachloroethane	9.090	131	79444	11.007	ug/L		98
76) p/m Xylene	9.232	106	263475	20.184	ug/L		96
77) o Xylene	9.775	106	258416	20.652	ug/L		95
78) Styrene	9.845	104	413241	20.216	ug/L		99
80) Bromoform	9.874	173	46423	10.218	ug/L		97
82) Isopropylbenzene	10.177	105	371162	9.027	ug/L		98
84) Bromobenzene	10.644	156	95915	9.997	ug/L		98
85) n-Propylbenzene	10.694	91	443135	8.973	ug/L		96
86) 1,4-Dichlorobutane	10.722	55	95066	7.189	ug/L		94
87) 1,1,2,2-Tetrachloroethane	10.807	83	54295	8.241	ug/L		99
88) 4-Ethyltoluene	10.828	105	354167	8.860	ug/L		99
89) 2-Chlorotoluene	10.870	91	246780M6	8.361	ug/L		
90) 1,3,5-Trimethylbenzene	10.934	105	298869	8.716	ug/L		98
91) 1,2,3-Trichloropropane	10.941	75	46066	8.094	ug/L		90
92) trans-1,4-Dichloro-2-b...	11.005	53	11692	5.070	ug/L	#	88
93) 4-Chlorotoluene	11.061	91	249530	8.202	ug/L		96
94) tert-Butylbenzene	11.281	119	265928	9.016	ug/L		96

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A26.D
Acq On : 3 Dec 2025 7:35 pm
Operator : VOA105:BAD
Sample : WG2149674-6,31,10,10,,A1
Misc : WG2149674,ICAL22802
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 04 13:02:09 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	11.373	105	283590	8.615	ug/L	98
98) sec-Butylbenzene	11.479	105	353930	8.427	ug/L	97
99) p-Isopropyltoluene	11.648	119	324521	8.212	ug/L	98
100) 1,3-Dichlorobenzene	11.712	146	183985	9.878	ug/L	97
101) 1,4-Dichlorobenzene	11.811	146	184204	9.465	ug/L	98
102) p-Diethylbenzene	12.030	119	188178	8.492	ug/L	97
103) n-Butylbenzene	12.087	91	243042	7.640	ug/L	96
104) 1,2-Dichlorobenzene	12.243	146	164650	9.870	ug/L	97
105) 1,2,4,5-Tetramethylben...	12.837	119	276468	8.755	ug/L	98
106) 1,2-Dibromo-3-chloropr...	13.035	155	10415	10.794	ug/L	99
108) Hexachlorobutadiene	13.643	225	48328	10.363	ug/L	97
109) 1,2,4-Trichlorobenzene	13.671	180	108054	10.675	ug/L	99
110) Naphthalene	13.961	128	192250	10.207	ug/L	100
111) 1,2,3-Trichlorobenzene	14.131	180	86807	10.714	ug/L	97

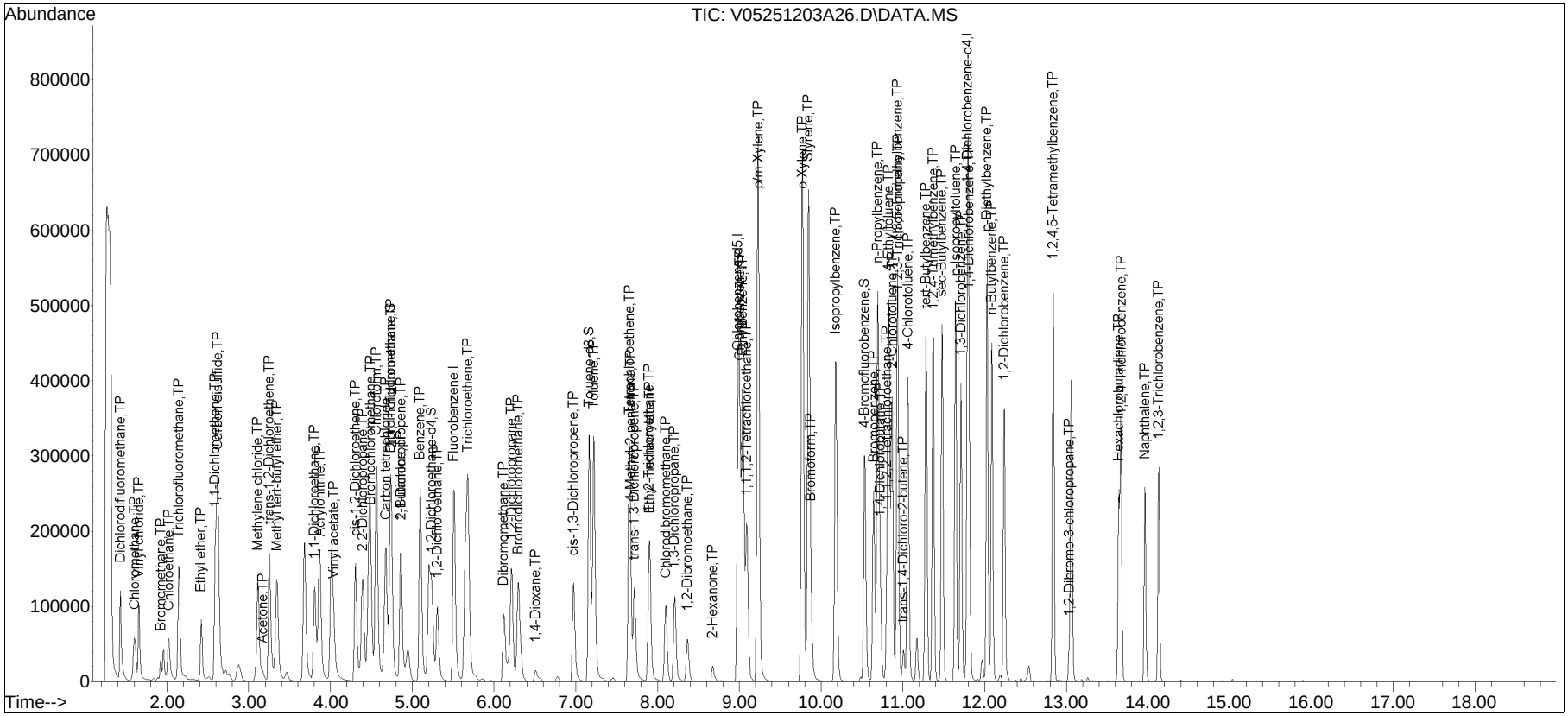
(#) = qualifier out of range (m) = manual integration (+) = signals summed

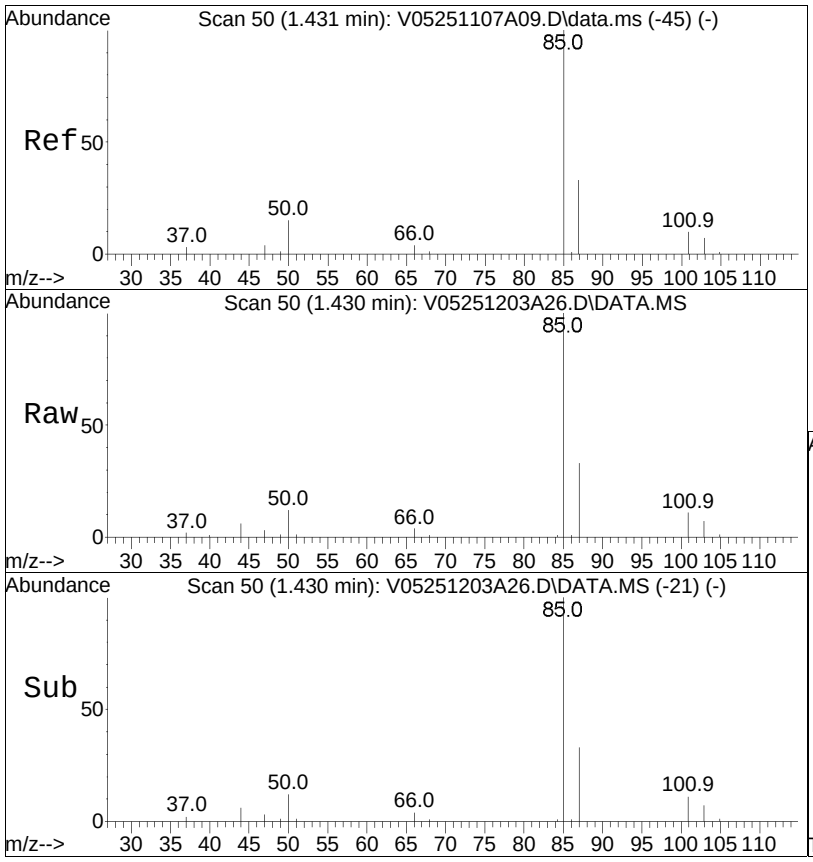
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A26.D
Acq On : 3 Dec 2025 7:35 pm
Operator : VOA105:BAD
Sample : WG2149674-6,31,10,10,,A1
Misc : WG2149674,ICAL22802
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 04 13:02:09 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox251203A01.D•

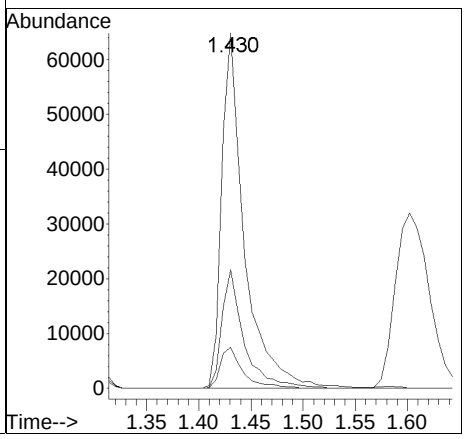


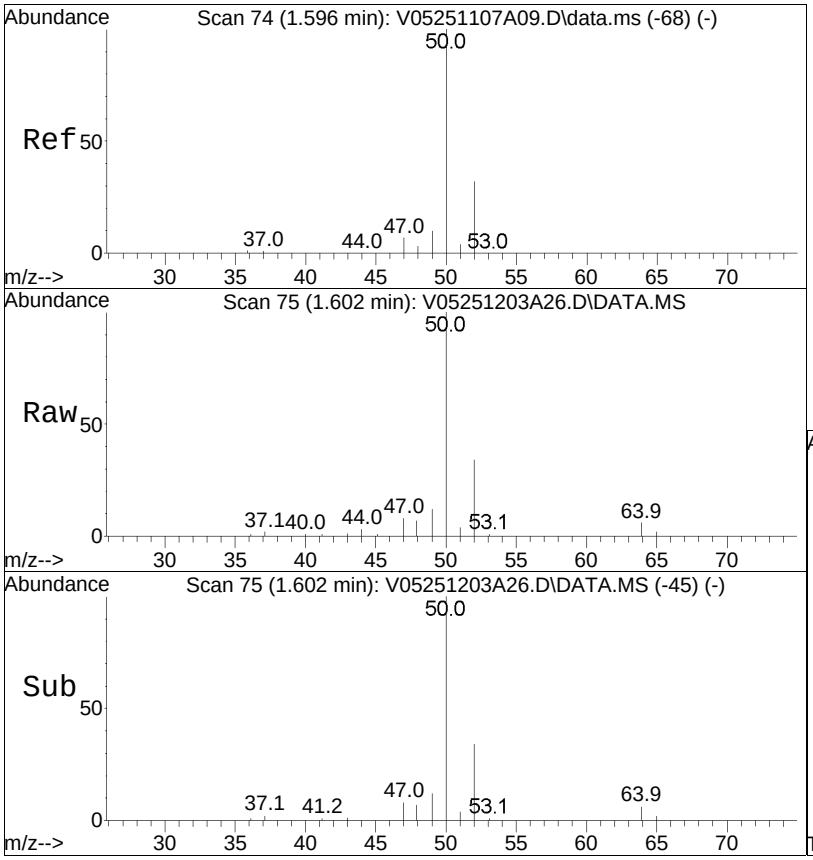


#2
Dichlorodifluoromethane
Concen: 10.37 ug/L
RT: 1.430 min Scan# 50
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 85 Resp: 98476

Ion	Ratio	Lower	Upper
85	100		
87	32.4	20.6	42.8
50	11.5	9.2	19.2

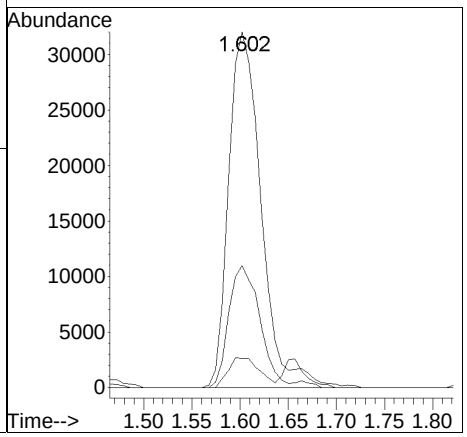


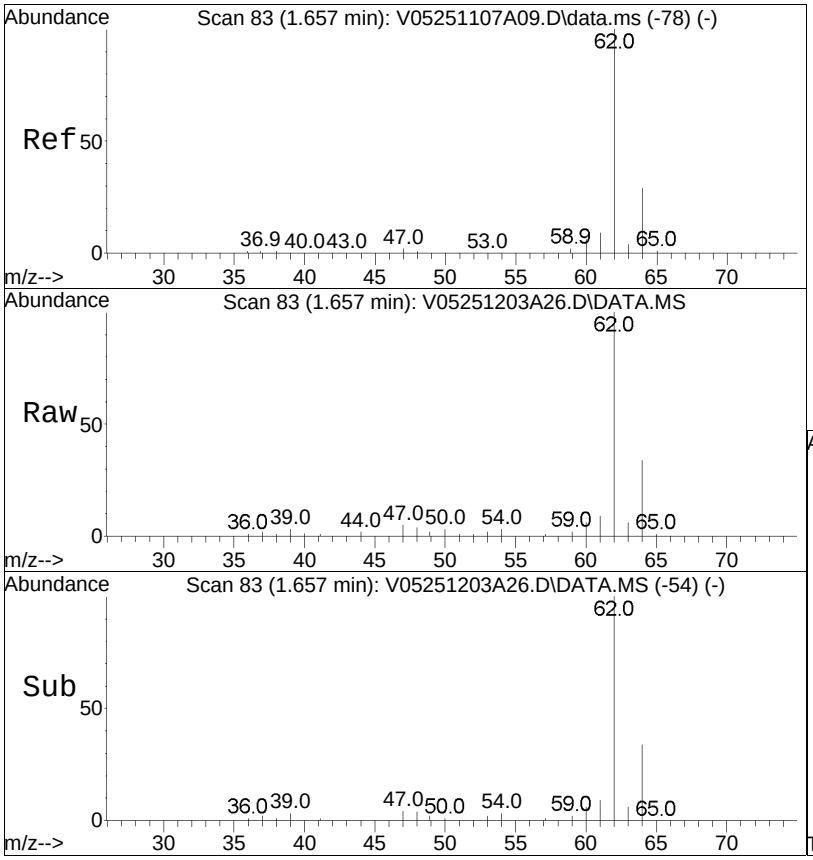


#3
Chloromethane
Concen: 5.93 ug/L
RT: 1.602 min Scan# 75
Delta R.T. 0.006 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 50 Resp: 75230

Ion	Ratio	Lower	Upper
50	100		
52	32.7	12.1	52.1
47	8.1	0.0	27.2

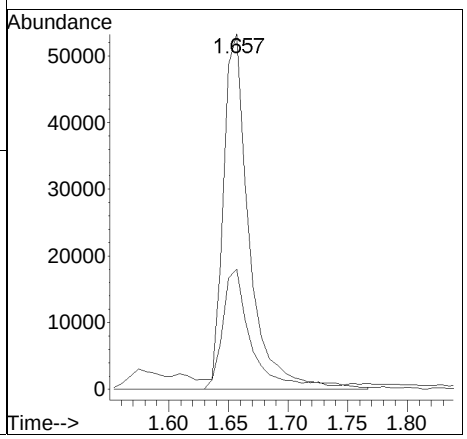


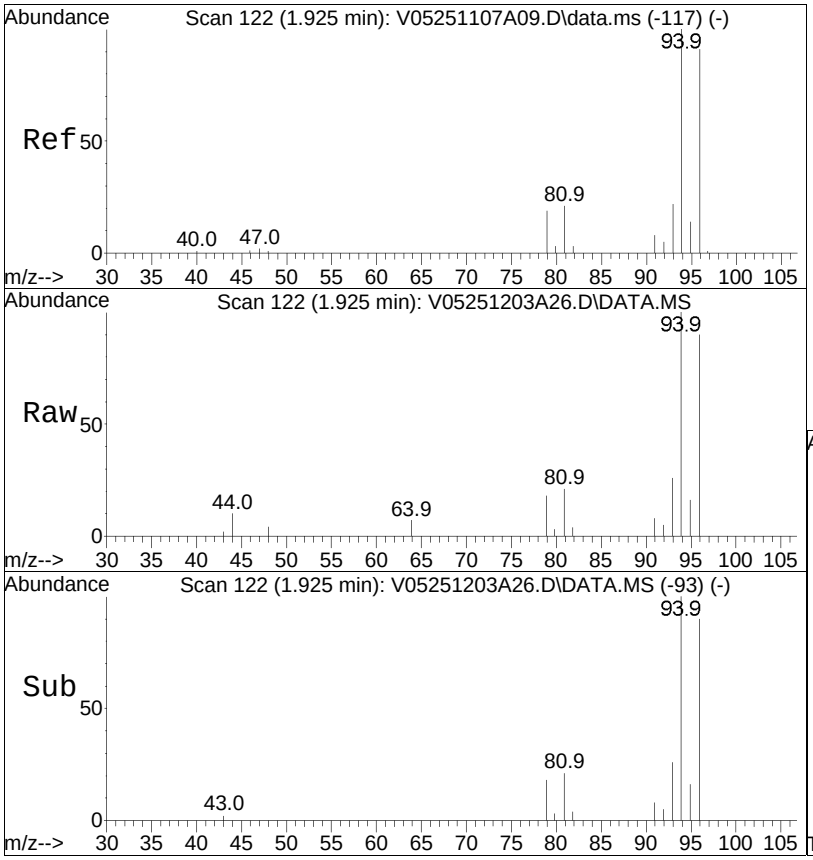


#4
Vinyl chloride
Concen: 8.28 ug/L
RT: 1.657 min Scan# 83
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 62 Resp: 80307

Ion	Ratio	Lower	Upper
62	100		
64	34.9	9.9	49.9

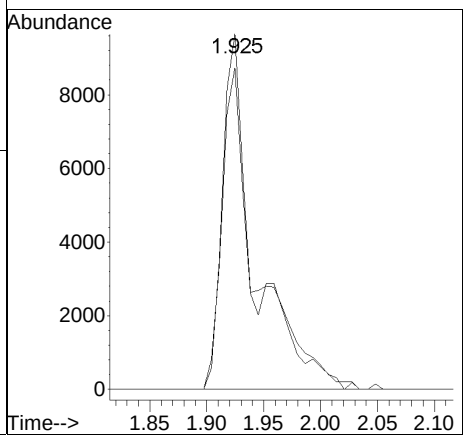


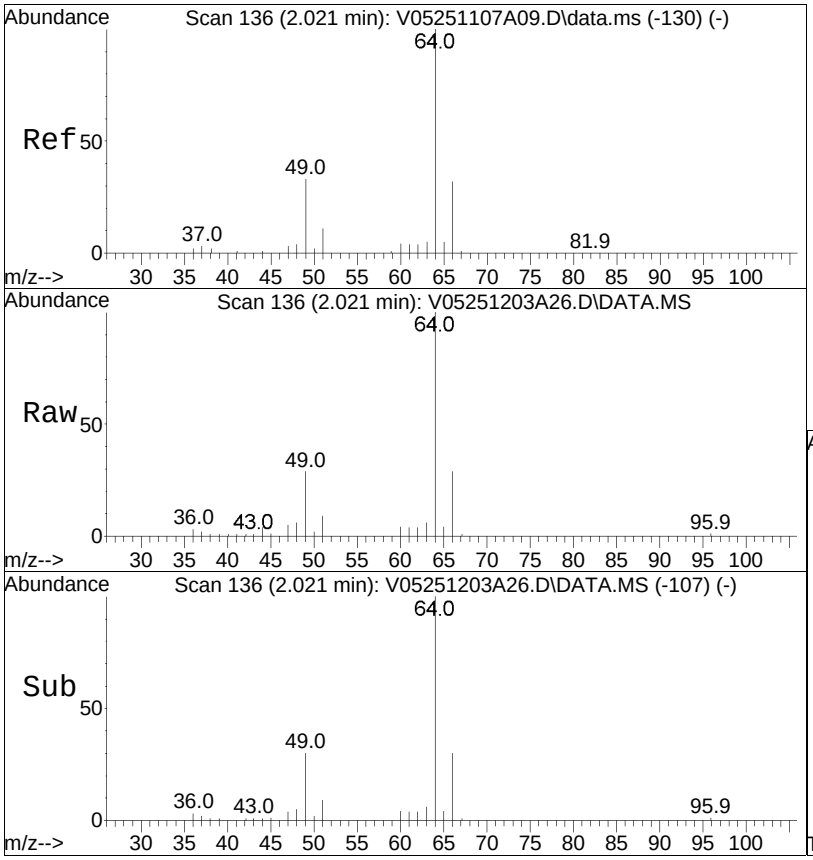


#5
Bromomethane
Concen: 5.46 ug/L
RT: 1.925 min Scan# 122
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 94 Resp: 19504

Ion	Ratio	Lower	Upper
94	100		
96	64.3	73.9	113.9#

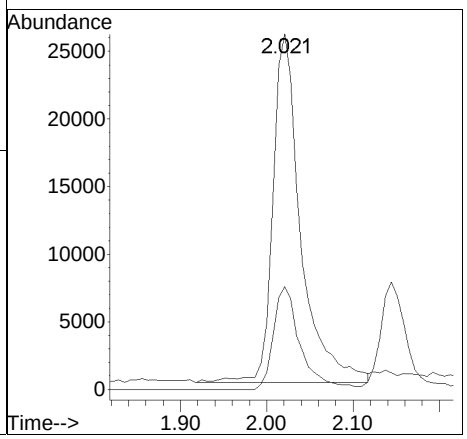


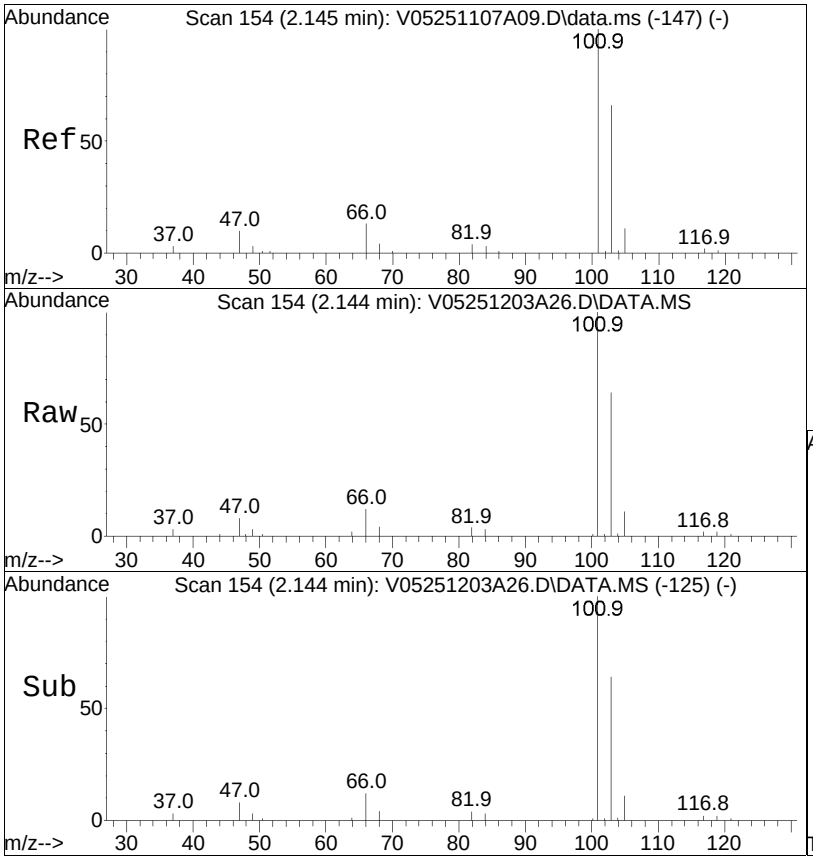


#6
Chloroethane
Concen: 10.52 ug/L
RT: 2.021 min Scan# 136
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 64 Resp: 58047

Ion	Ratio	Lower	Upper
64	100		
66	28.2	9.5	49.5

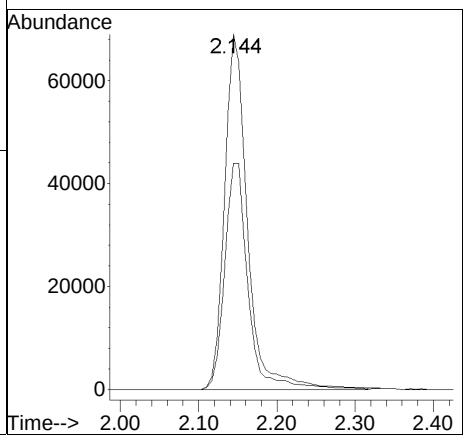


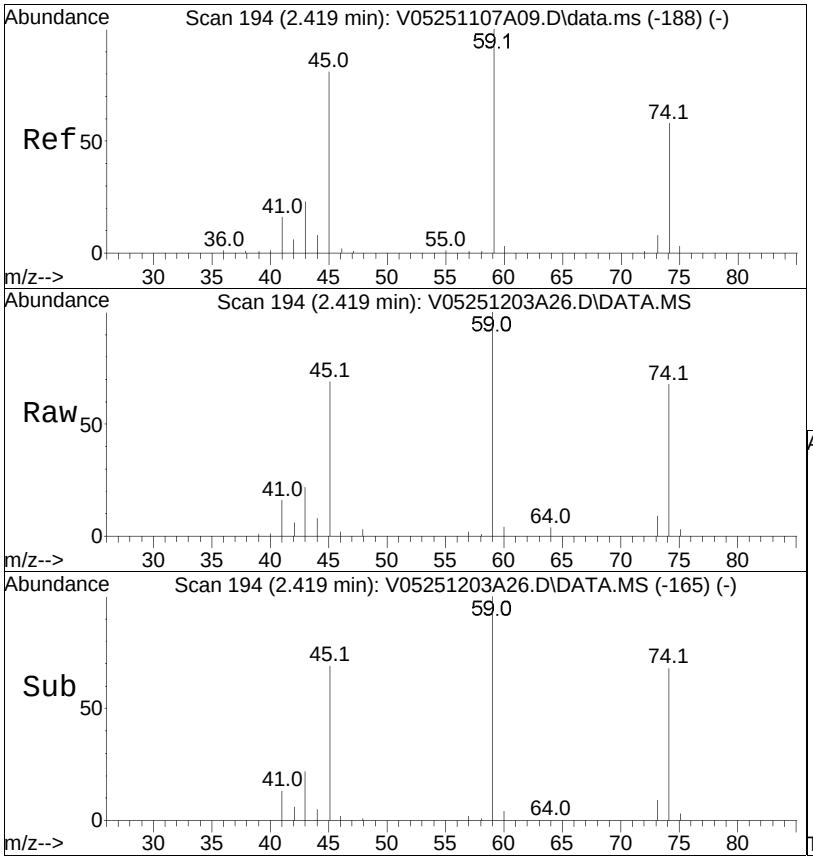


#7
Trichlorofluoromethane
Concen: 12.04 ug/L
RT: 2.144 min Scan# 154
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:101 Resp: 140974

Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.8	77.8

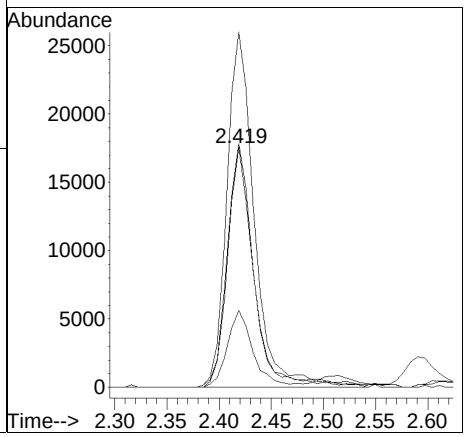


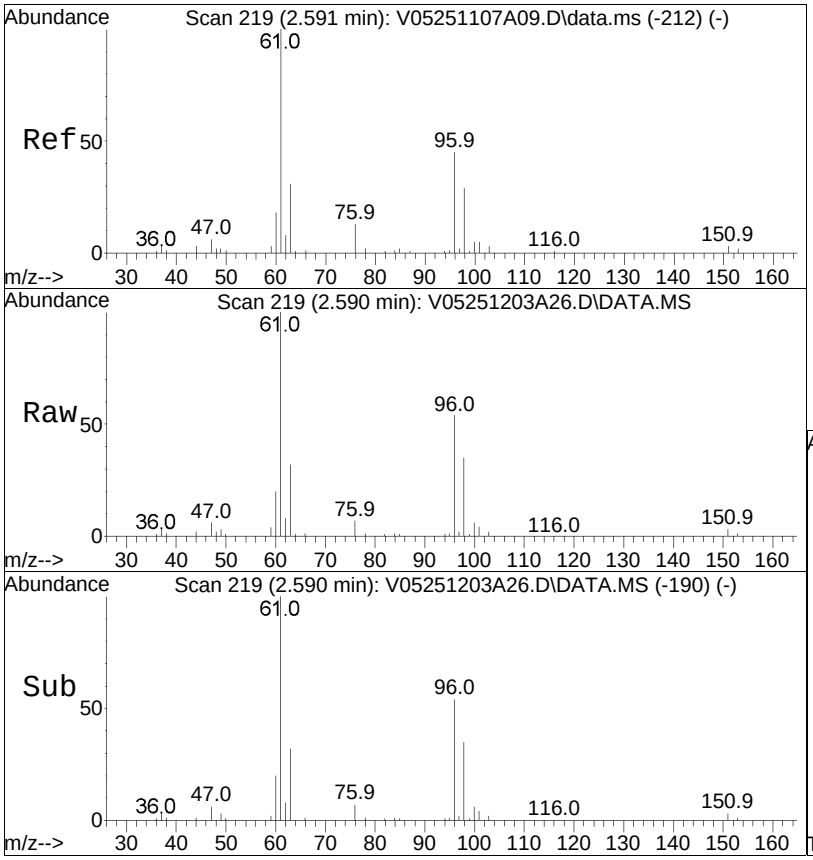


#8
Ethyl ether
Concen: 10.10 ug/L
RT: 2.419 min Scan# 194
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 74 Resp: 31035

Ion	Ratio	Lower	Upper
74	100		
59	155.2	117.1	243.3
45	101.6	93.2	193.6
43	31.9	26.5	55.1

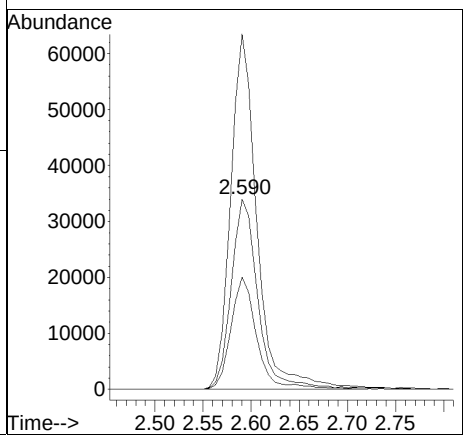


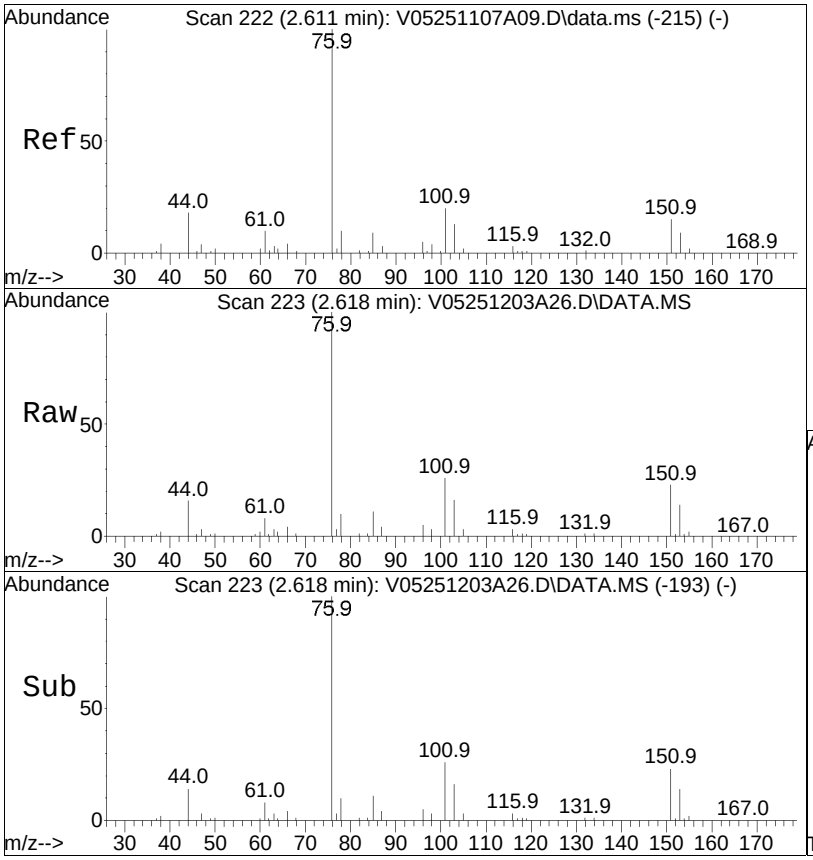


#10
1,1-Dichloroethene
Concen: 11.64 ug/L
RT: 2.590 min Scan# 219
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 96 Resp: 66201

Ion	Ratio	Lower	Upper
96	100		
61	183.4	177.5	266.3
63	57.0	53.4	80.2

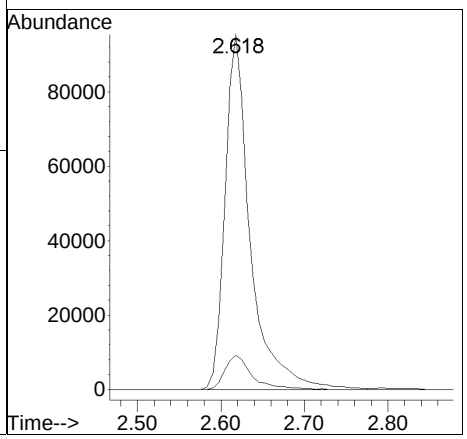


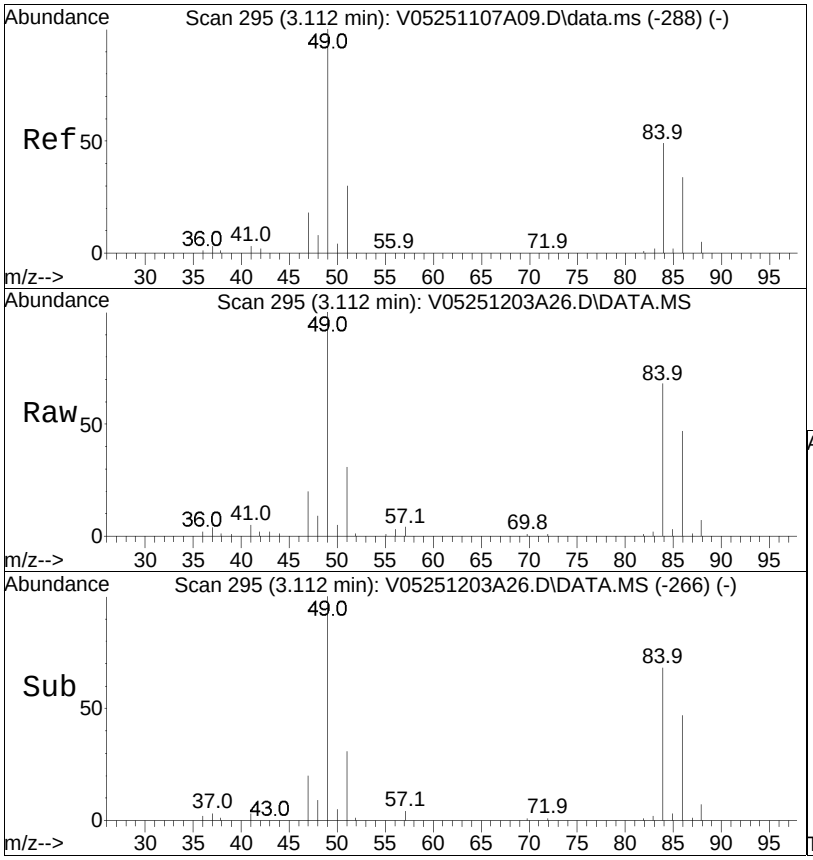


#11
Carbon disulfide
Concen: 10.08 ug/L
RT: 2.618 min Scan# 223
Delta R.T. 0.007 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 76 Resp: 200761

Ion	Ratio	Lower	Upper
76	100		
78	10.2	6.8	14.0

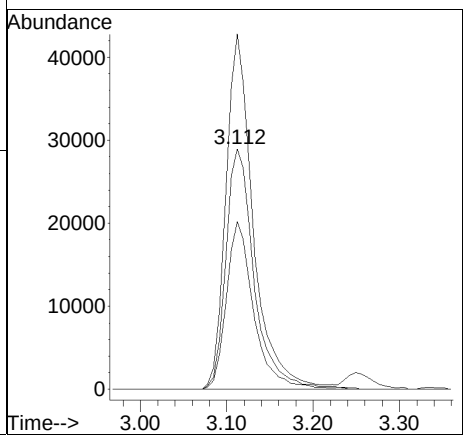


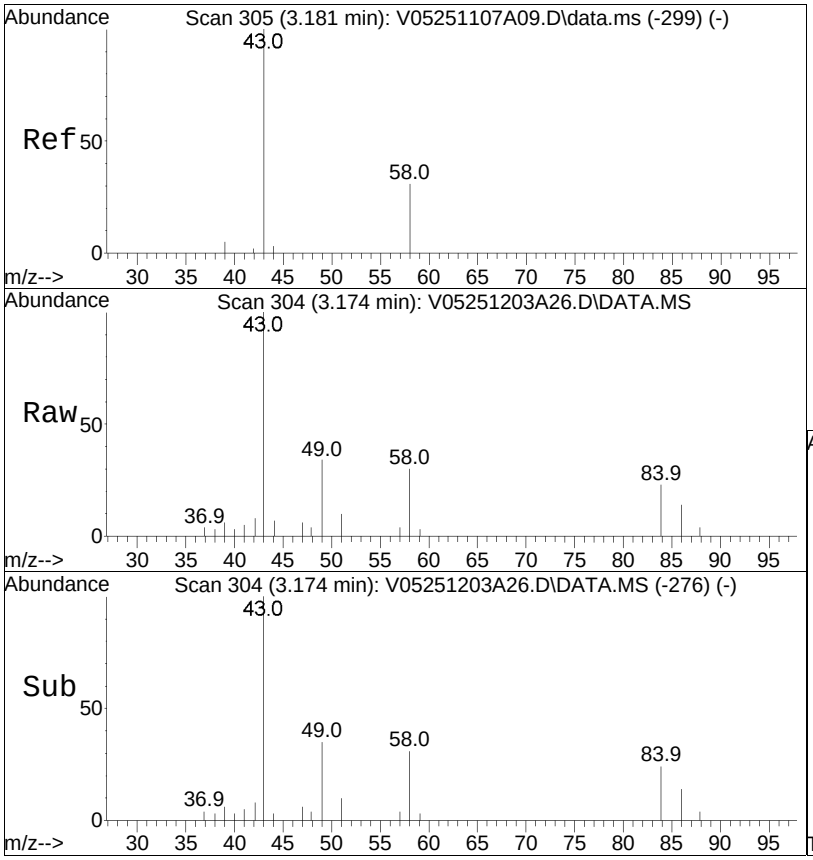


#15
Methylene chloride
Concen: 9.56 ug/L
RT: 3.112 min Scan# 295
Delta R.T. 0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 84 Resp: 66285

Ion	Ratio	Lower	Upper
84	100		
86	67.6	43.6	90.5
49	142.0	129.2	268.4

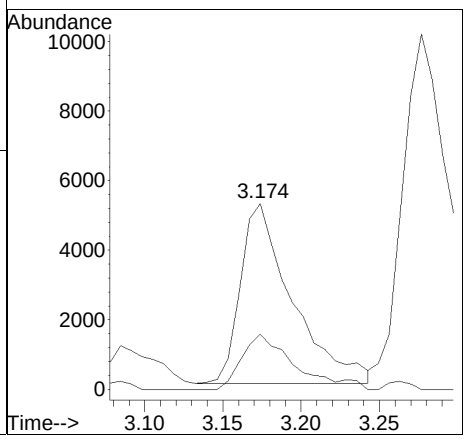


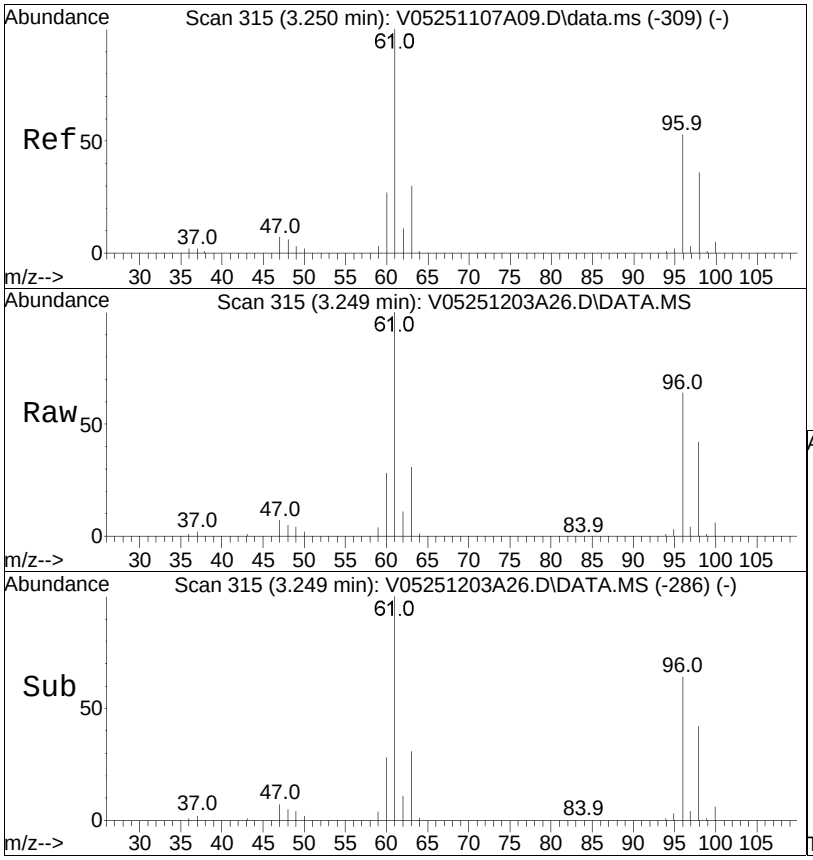


#17
Acetone
Concen: 8.23 ug/L
RT: 3.174 min Scan# 304
Delta R.T. -0.007 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 43 Resp: 11892

Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.9	37.3

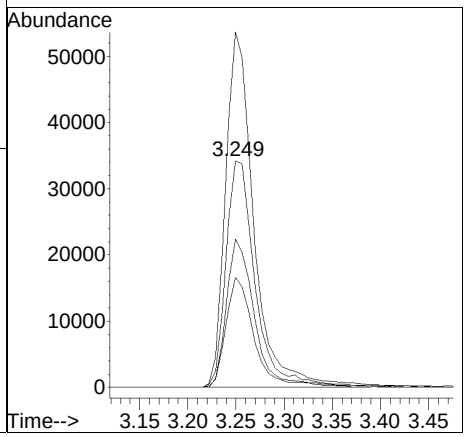


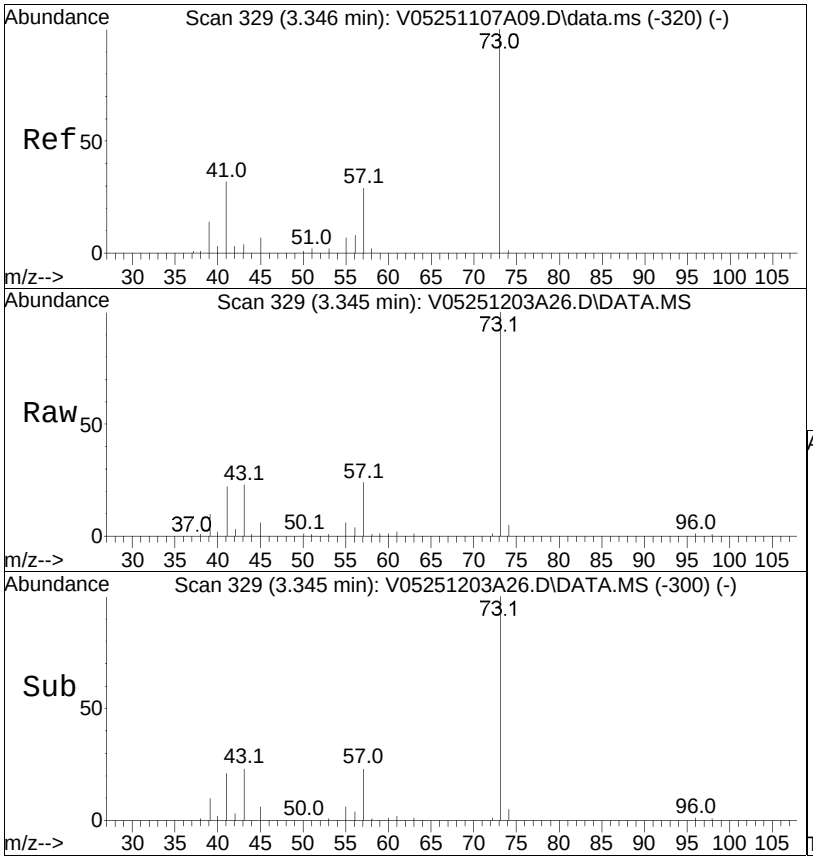


#18
trans-1,2-Dichloroethene
Concen: 10.65 ug/L
RT: 3.249 min Scan# 315
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 96 Resp: 72945

Ion	Ratio	Lower	Upper
96	100		
61	152.4	118.7	246.5
98	63.4	41.9	87.1
63	46.8	35.9	74.5

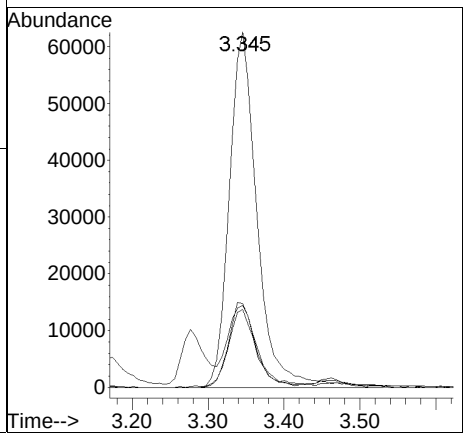


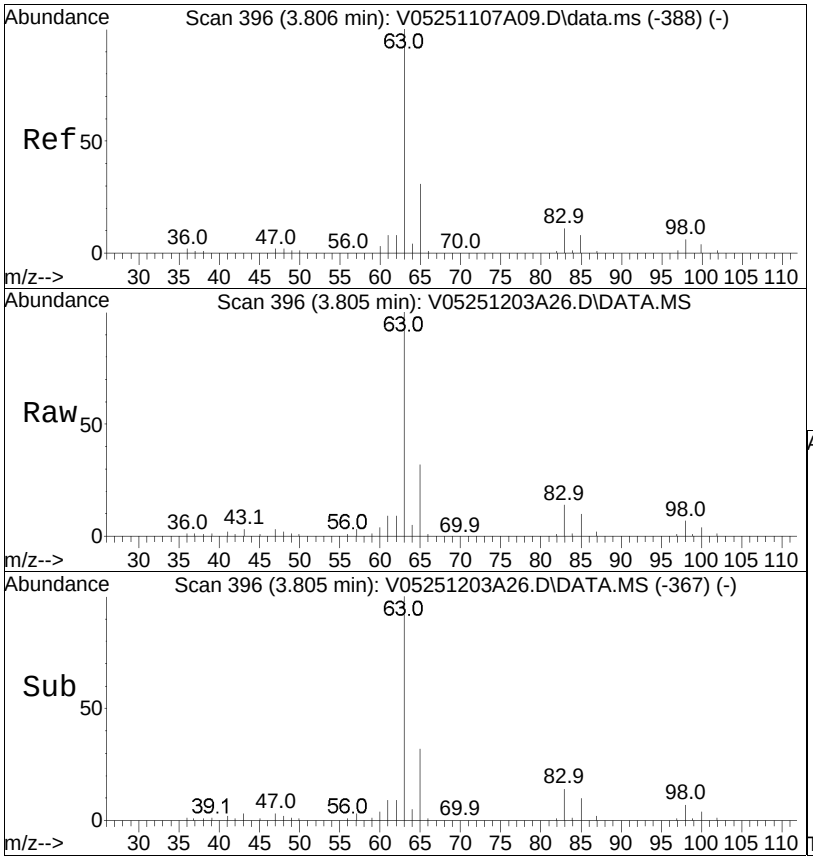


#20
Methyl tert-butyl ether
Concen: 10.61 ug/L
RT: 3.345 min Scan# 329
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 73 Resp: 160030

Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.7	38.9
43	22.9	18.8	39.0
41	21.9	21.3	44.1

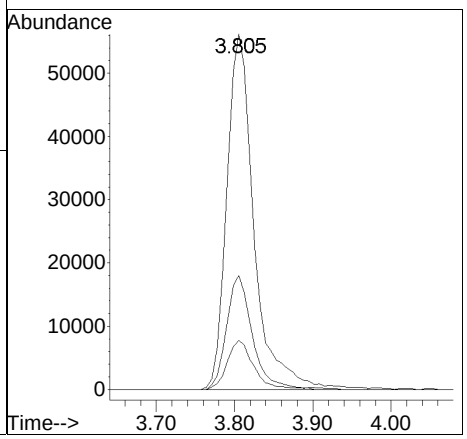


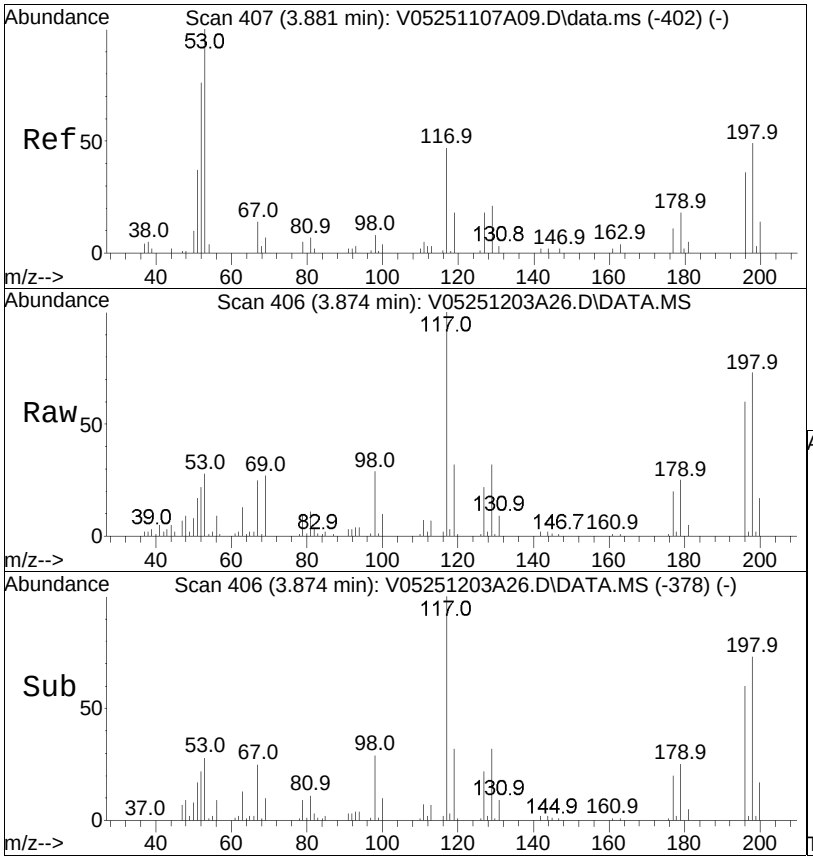


#23
1,1-Dichloroethane
Concen: 8.84 ug/L
RT: 3.805 min Scan# 396
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 63 Resp: 136366

Ion	Ratio	Lower	Upper
63	100		
65	30.4	9.4	49.4
83	13.3	0.0	30.9

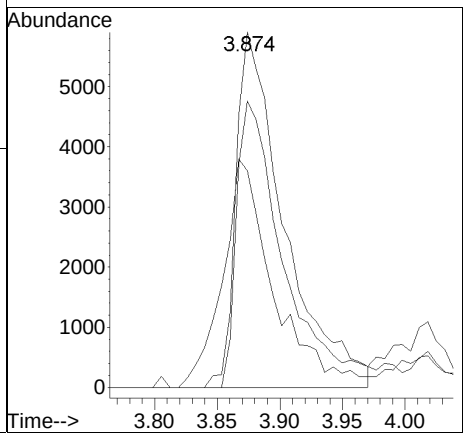


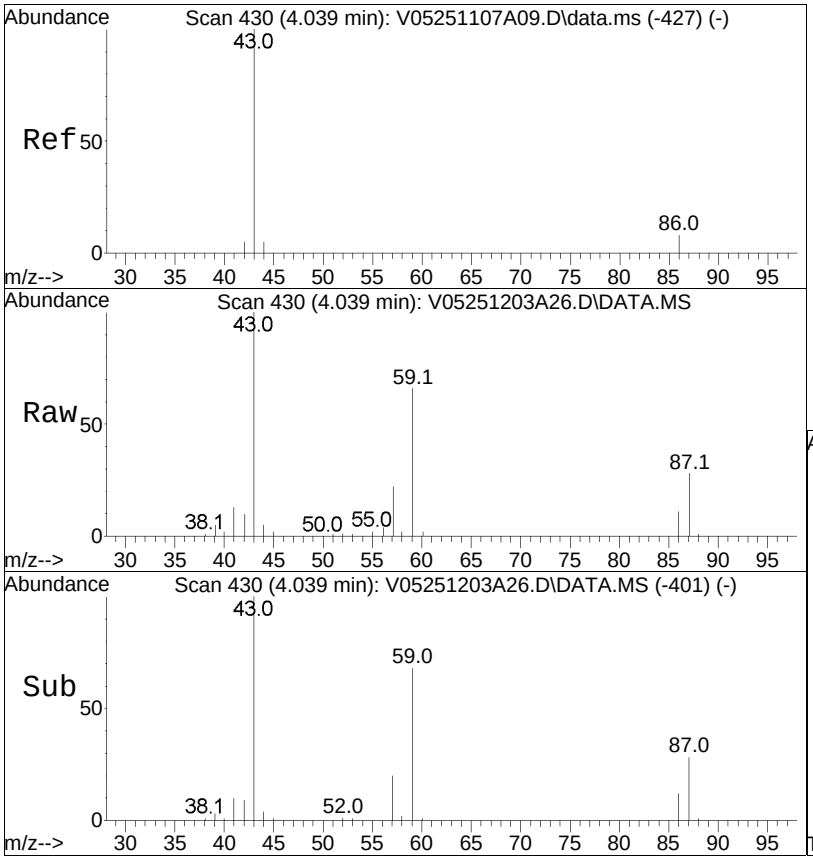


#25
Acrylonitrile
Concen: 8.04 ug/L
RT: 3.874 min Scan# 406
Delta R.T. -0.007 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 53 Resp: 15865

Ion	Ratio	Lower	Upper
53	100		
52	78.7	64.6	96.8
51	67.9	51.3	76.9

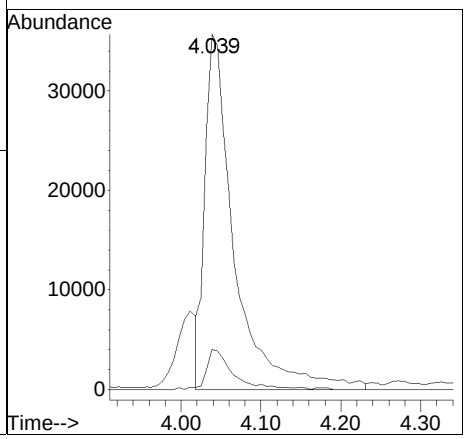


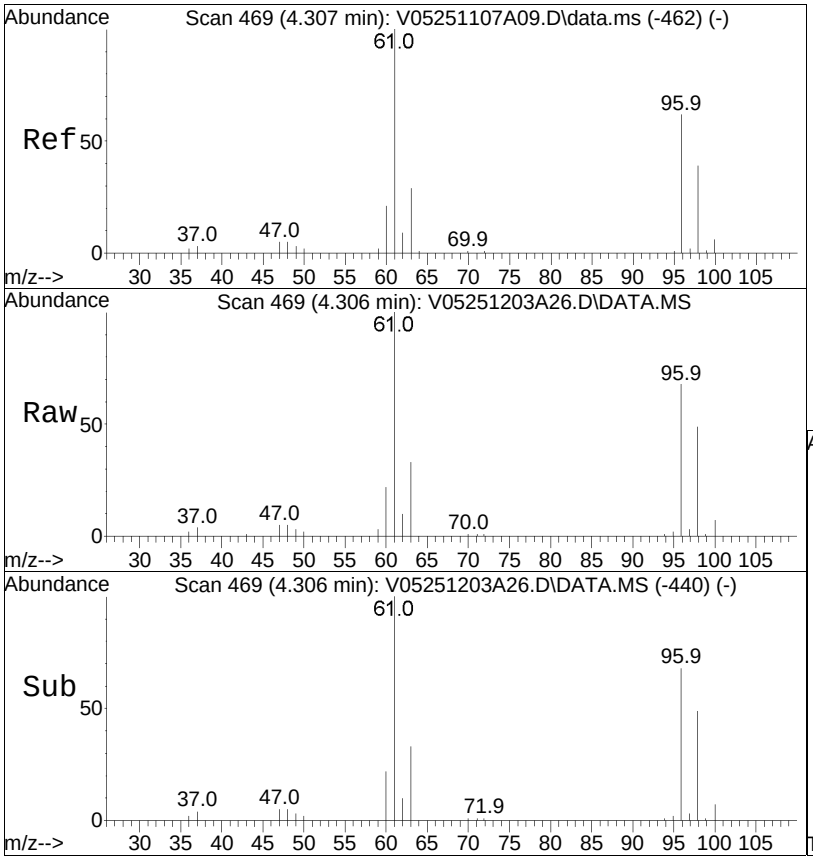


#27
Vinyl acetate
Concen: 6.07 ug/L M6
RT: 4.039 min Scan# 430
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 43 Resp: 91574

Ion	Ratio	Lower	Upper
43	100		
86	10.1	5.4	8.2#

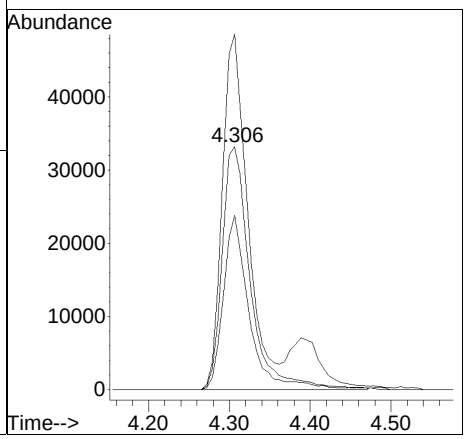


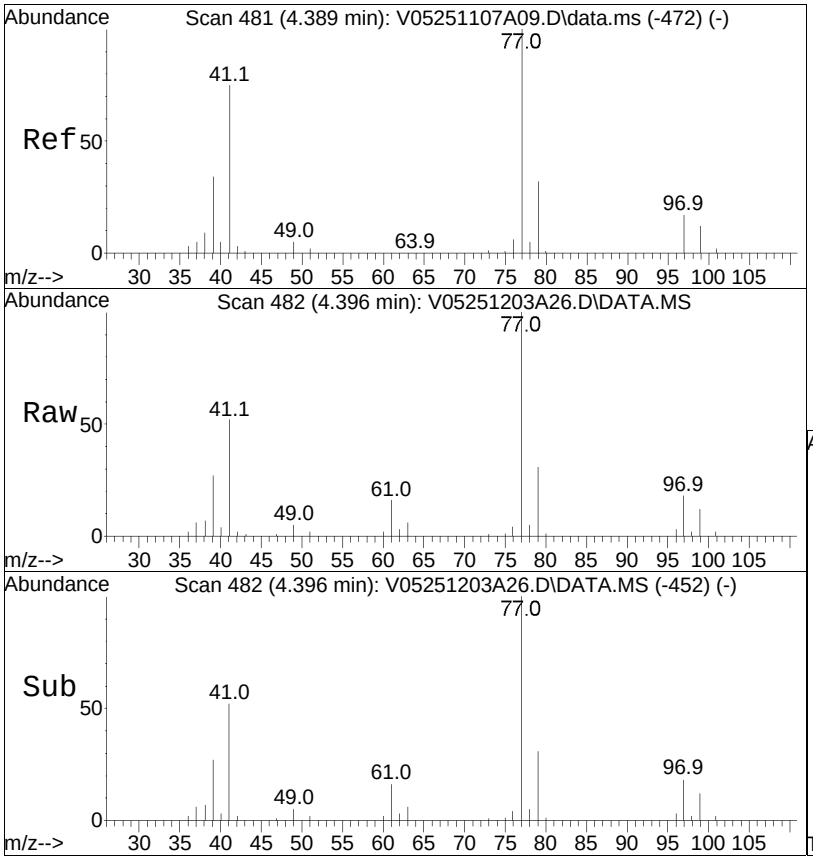


#28
cis-1,2-Dichloroethene
Concen: 10.45 ug/L
RT: 4.306 min Scan# 469
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 96 Resp: 80157

Ion	Ratio	Lower	Upper
96	100		
61	131.9	122.5	183.7
98	65.4	50.2	75.4

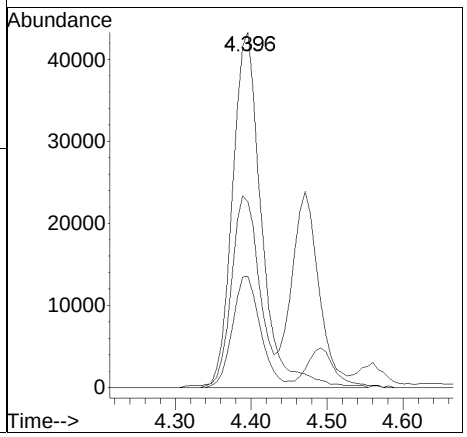


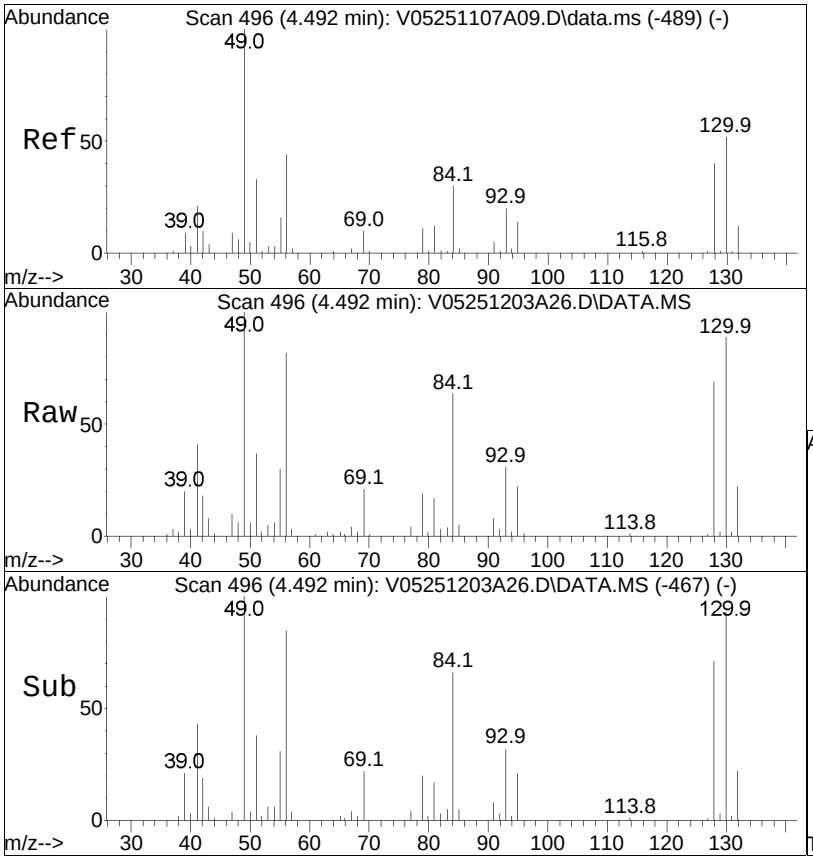


#29
2,2-Dichloropropane
Concen: 10.68 ug/L
RT: 4.396 min Scan# 482
Delta R.T. 0.007 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 77 Resp: 114640

Ion	Ratio	Lower	Upper
77	100		
41	52.2	43.7	90.9
79	30.2	20.0	41.6

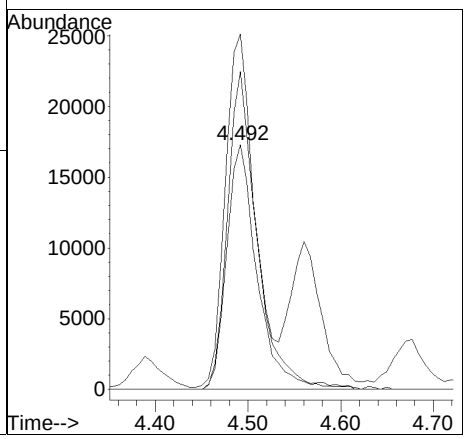


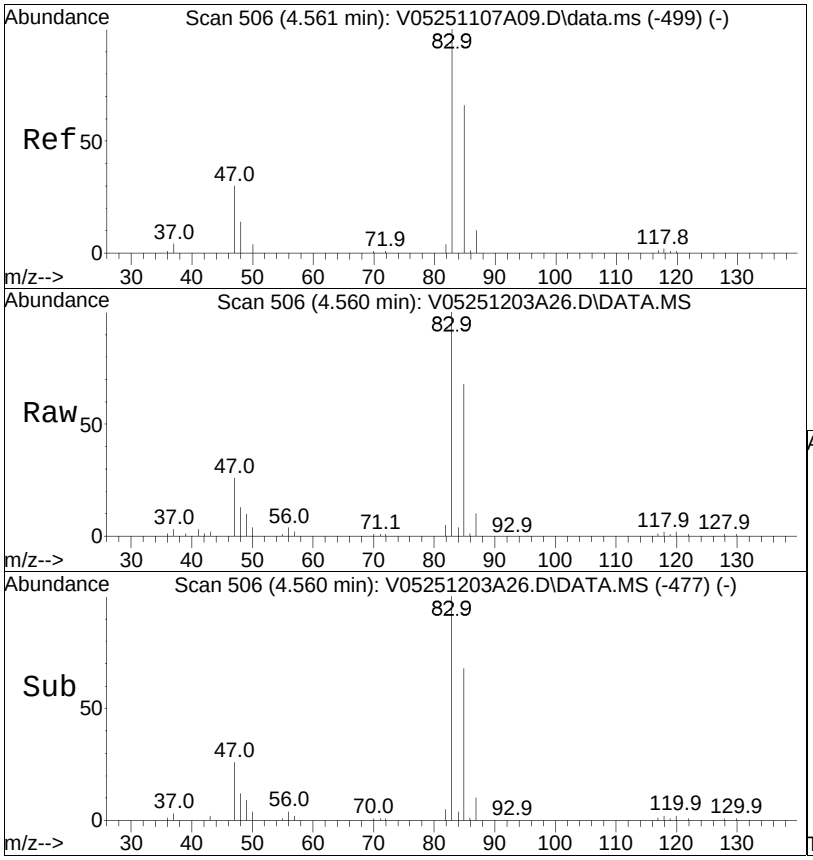


#30
Bromochloromethane
Concen: 12.29 ug/L
RT: 4.492 min Scan# 496
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:128 Resp: 39781

Ion	Ratio	Lower	Upper
128	100		
49	138.2	192.5	288.7#
130	125.4	103.4	155.0

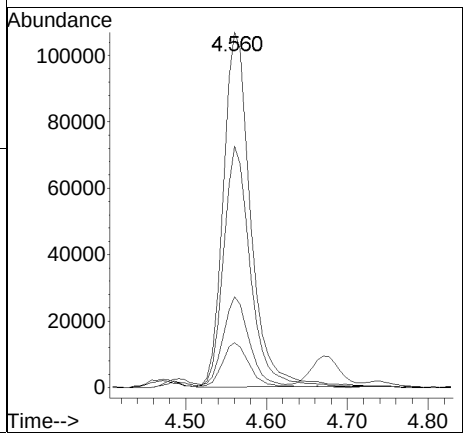


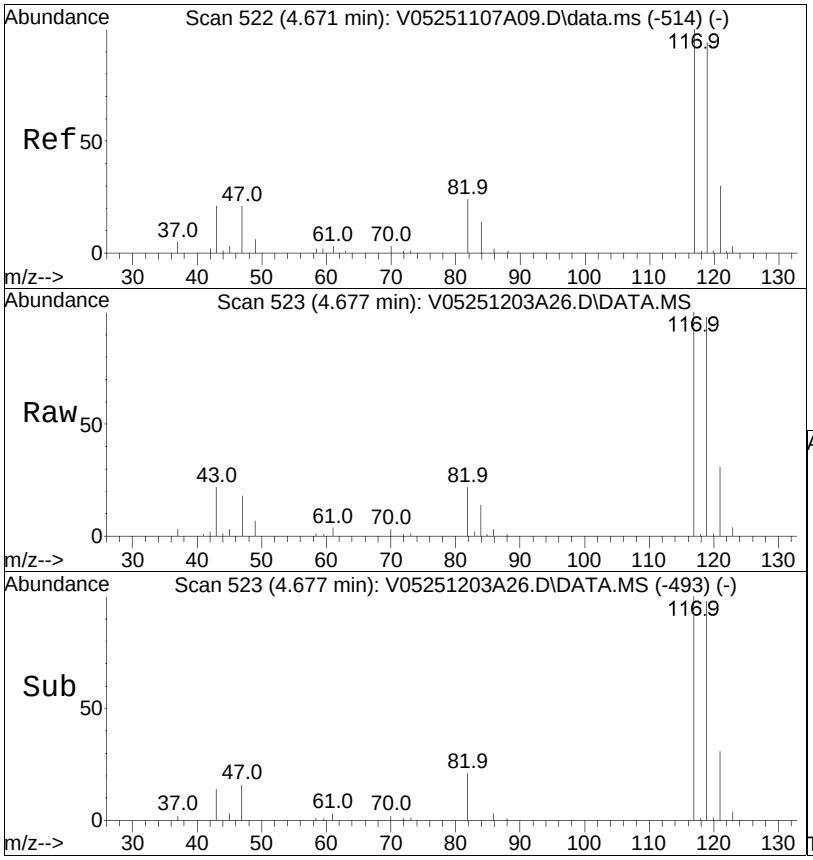


#32
Chloroform
Concen: 18.88 ug/L
RT: 4.560 min Scan# 506
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 83 Resp: 251793

Ion	Ratio	Lower	Upper
83	100		
85	66.6	42.7	88.7
47	23.4	18.5	38.3
48	11.9	10.1	20.9

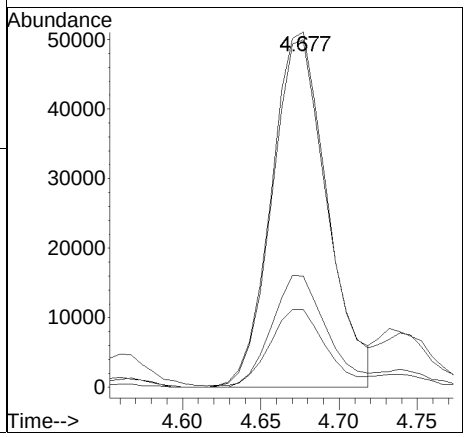


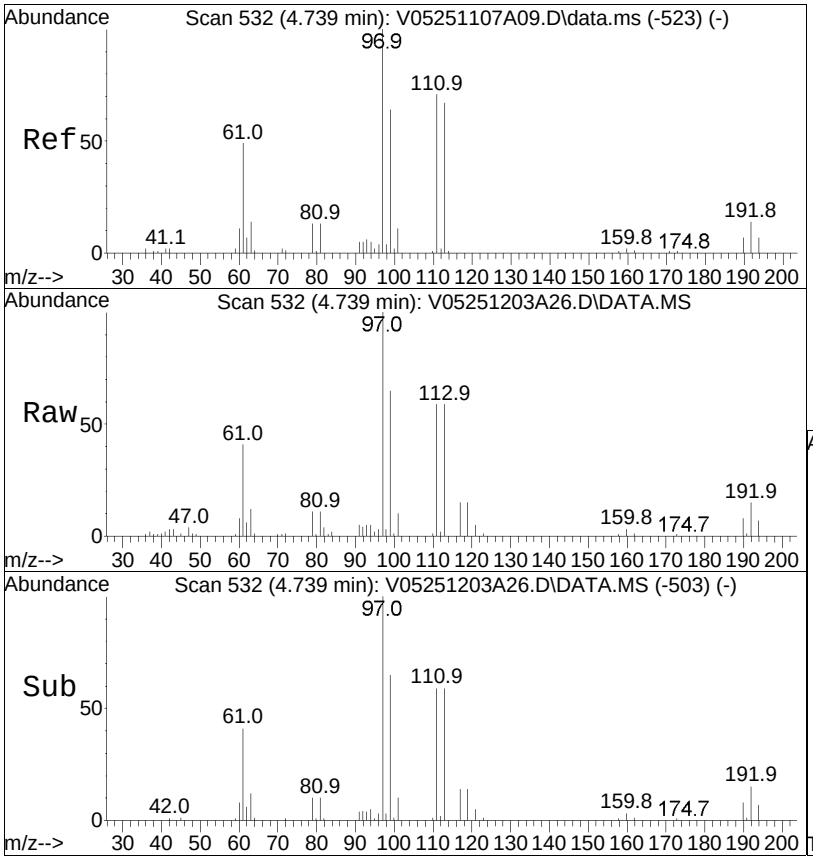


#34
Carbon tetrachloride
Concen: 11.62 ug/L
RT: 4.677 min Scan# 523
Delta R.T. 0.006 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:117 Resp: 127605

Ion	Ratio	Lower	Upper
117	100		
119	96.5	63.1	131.1
121	31.0	20.4	42.4
82	21.2	15.2	31.6

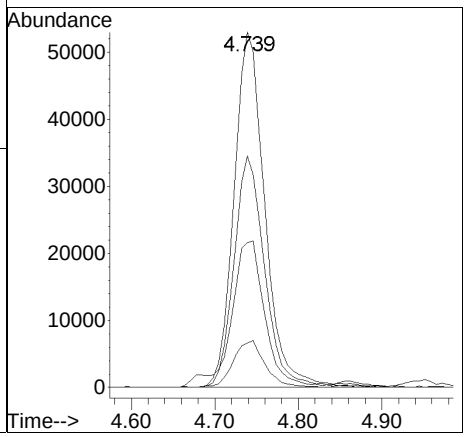


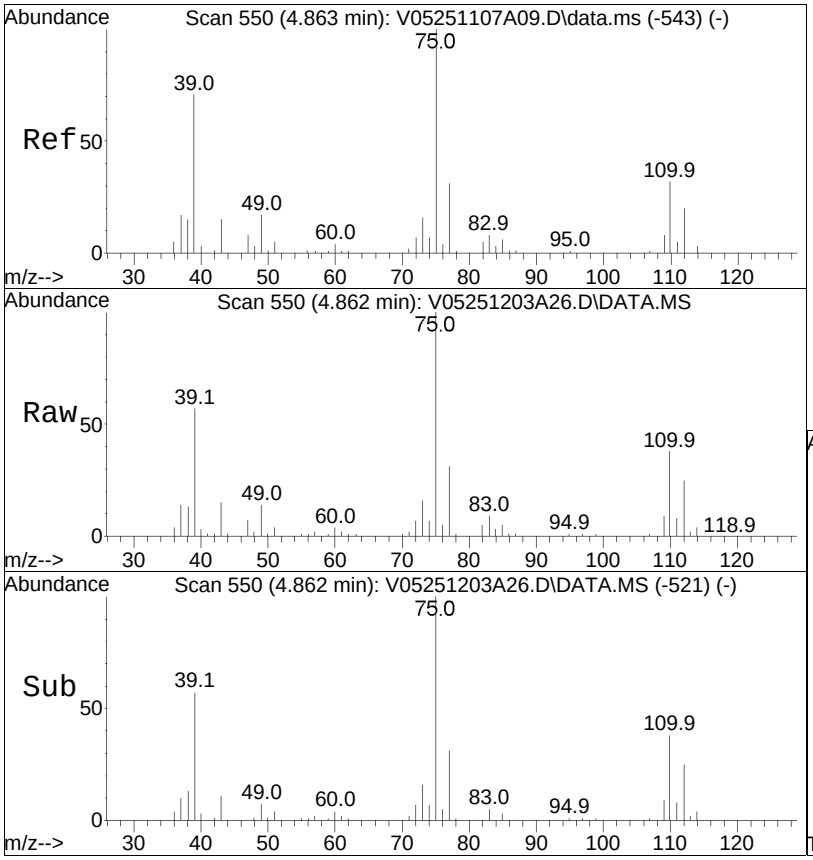


#37
1,1,1-Trichloroethane
Concen: 11.60 ug/L
RT: 4.739 min Scan# 532
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 97 Resp: 136573

Ion	Ratio	Lower	Upper
97	100		
99	65.0	41.6	86.4
61	44.8	34.1	70.9
63	13.6	10.7	22.3

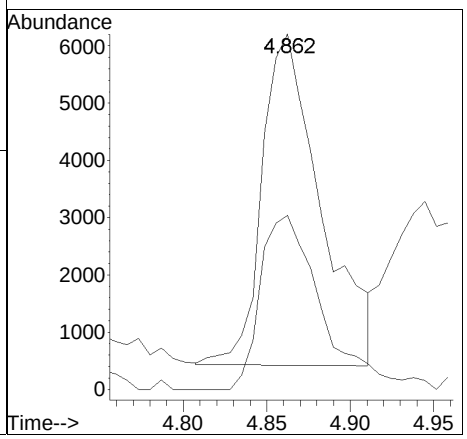


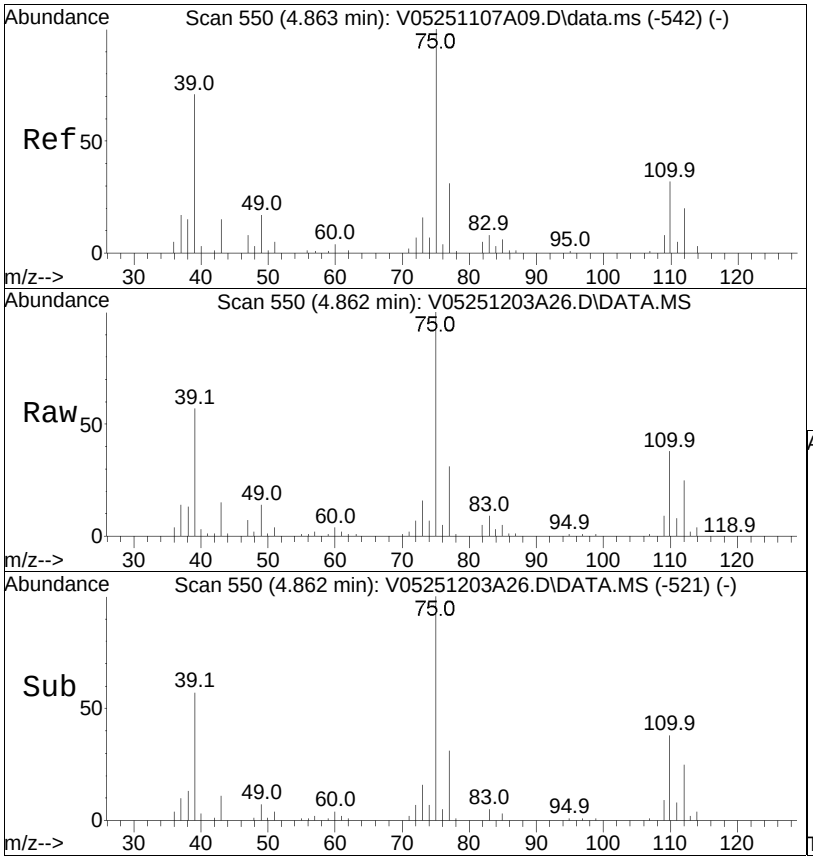


#39
2-Butanone
Concen: 6.67 ug/L
RT: 4.862 min Scan# 550
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 43 Resp: 14207

Ion	Ratio	Lower	Upper
43	100		
72	55.1	33.3	49.9#

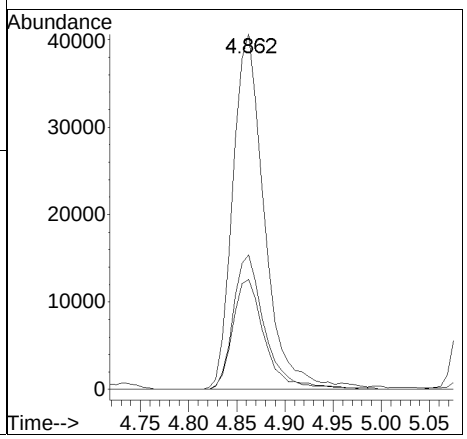


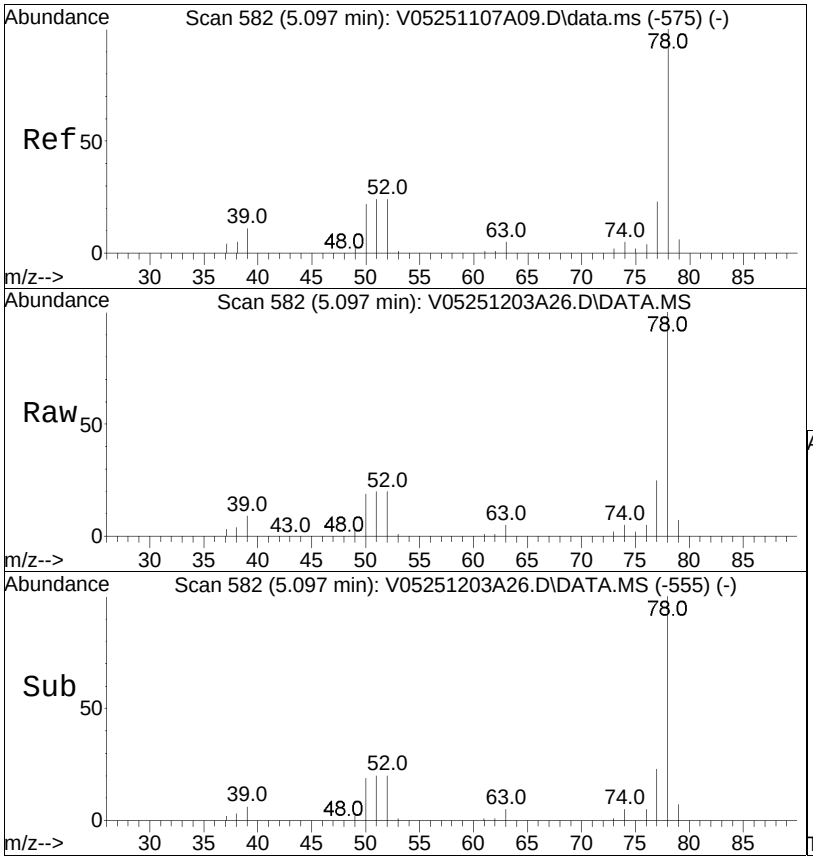


#40
1,1-Dichloropropene
Concen: 10.12 ug/L
RT: 4.862 min Scan# 550
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 75 Resp: 93625

Ion	Ratio	Lower	Upper
75	100		
110	37.5	21.7	45.1
77	31.3	20.0	41.6

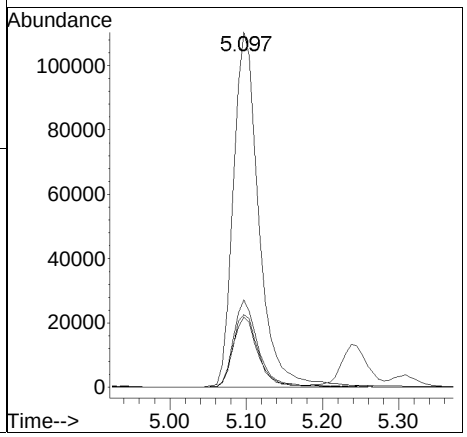


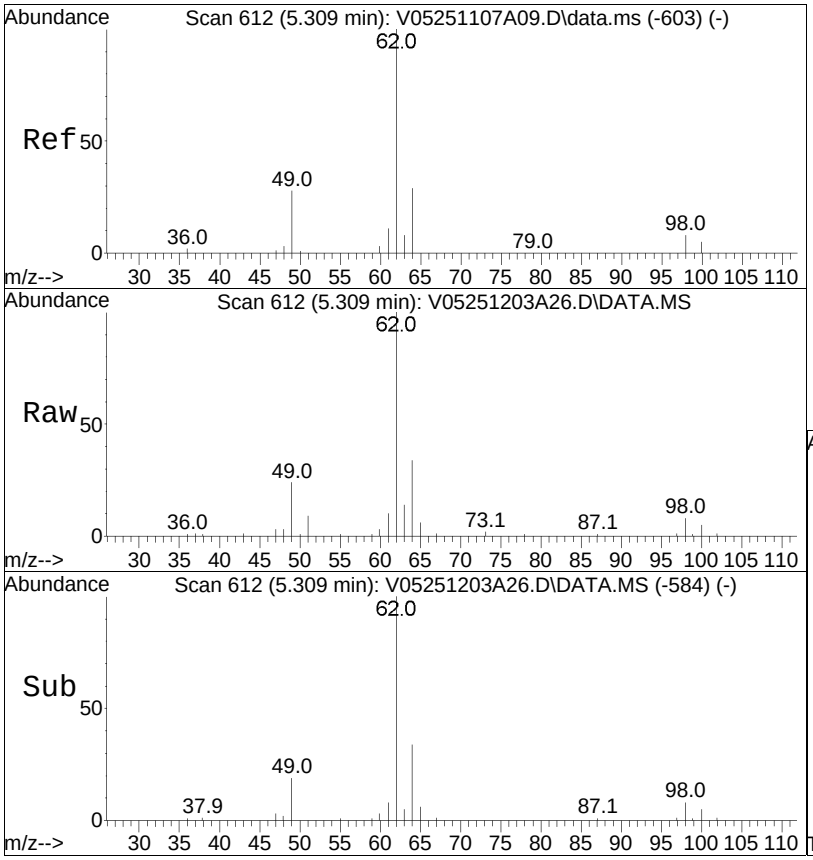


#41
Benzene
Concen: 9.61 ug/L
RT: 5.097 min Scan# 582
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 78 Resp: 274663

Ion	Ratio	Lower	Upper
78	100		
77	24.1	15.2	31.6
51	21.1	16.1	33.5
52	20.0	15.9	32.9

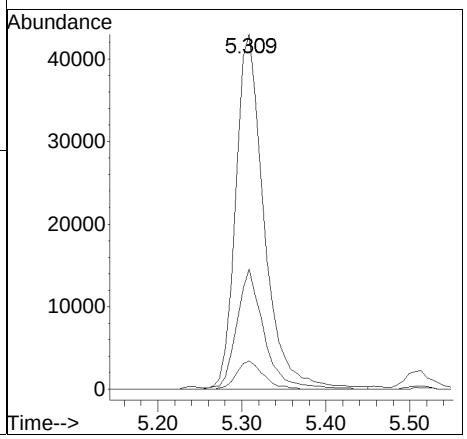


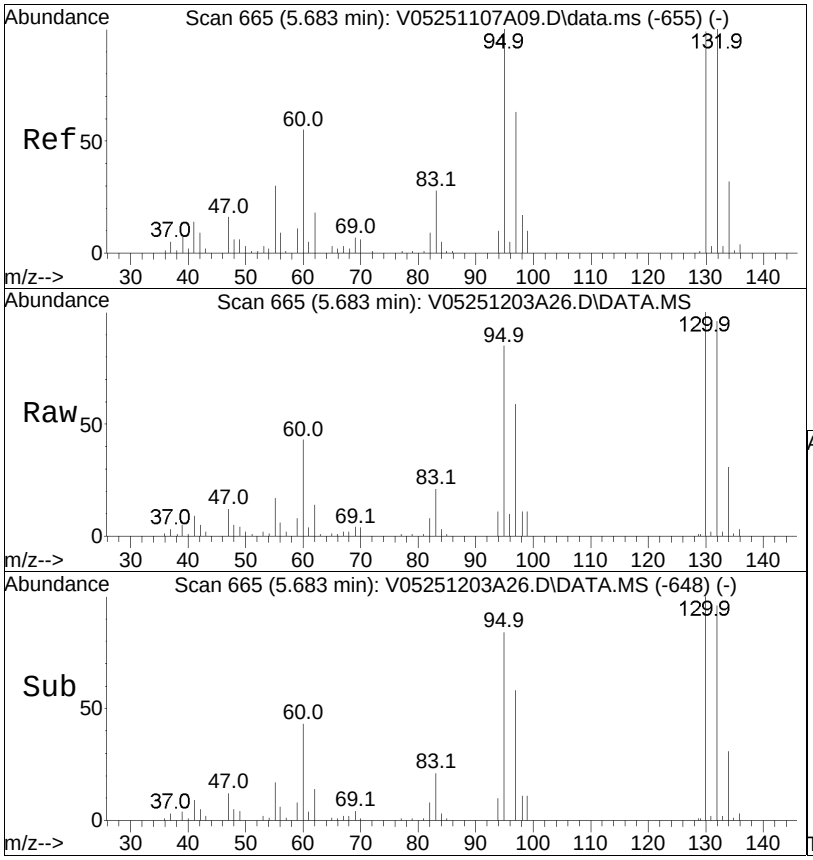


#44
1,2-Dichloroethane
Concen: 9.87 ug/L
RT: 5.309 min Scan# 612
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 62 Resp: 101320

Ion	Ratio	Lower	Upper
62	100		
64	32.7	11.9	51.9
98	7.7	0.0	27.6

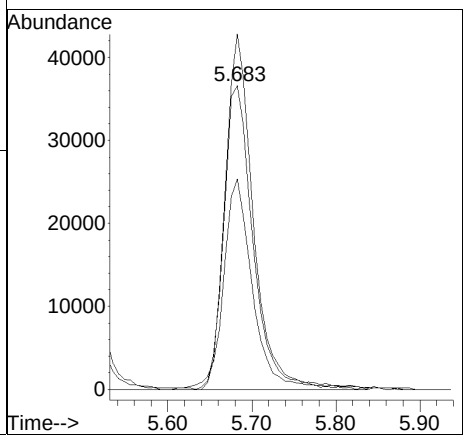


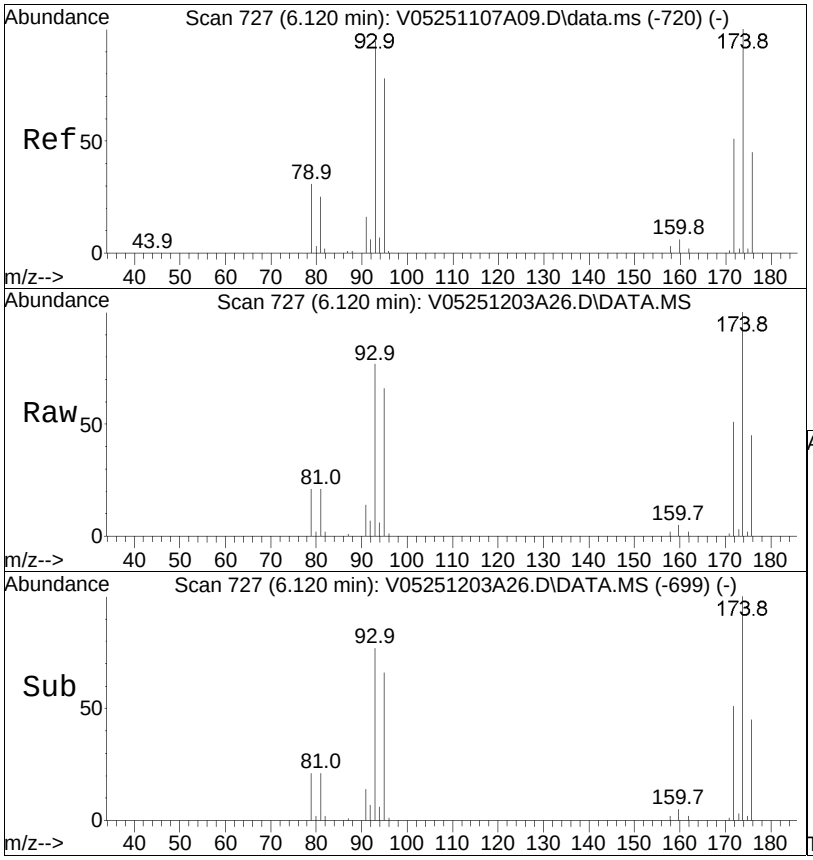


#48
Trichloroethene
Concen: 11.48 ug/L
RT: 5.683 min Scan# 665
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 95 Resp: 89585

Ion	Ratio	Lower	Upper
95	100		
97	68.2	54.4	81.6
130	112.6	82.2	123.4

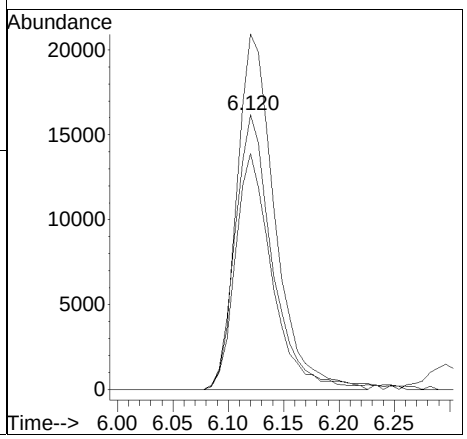


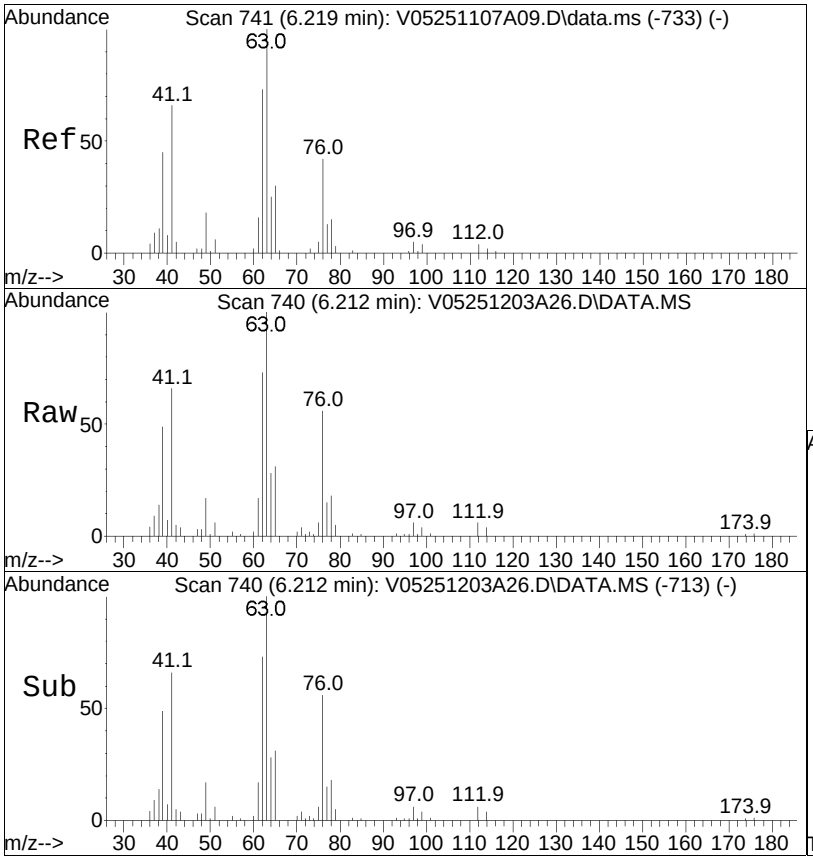


#50
Dibromomethane
Concen: 10.12 ug/L
RT: 6.120 min Scan# 727
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 93 Resp: 37766

Ion	Ratio	Lower	Upper
93	100		
95	86.7	66.5	99.7
174	134.0	82.2	123.4#

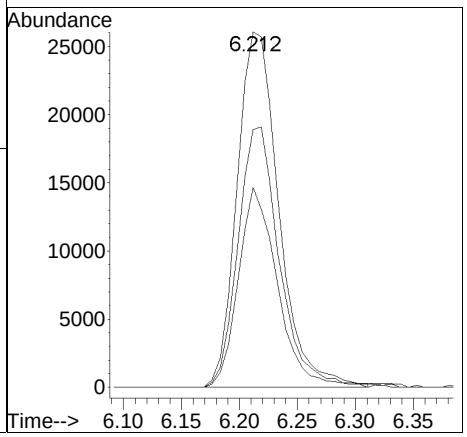


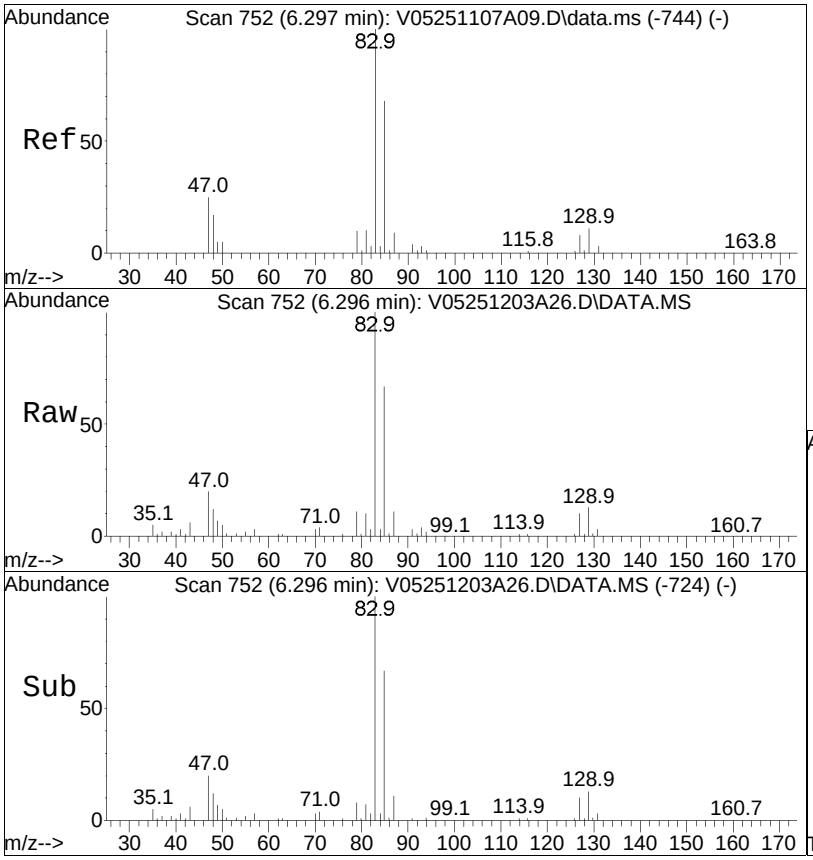


#51
1,2-Dichloropropane
Concen: 8.08 ug/L
RT: 6.212 min Scan# 740
Delta R.T. -0.007 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 63 Resp: 65445

Ion	Ratio	Lower	Upper
63	100		
62	72.7	59.0	88.6
76	52.5	32.7	49.1#

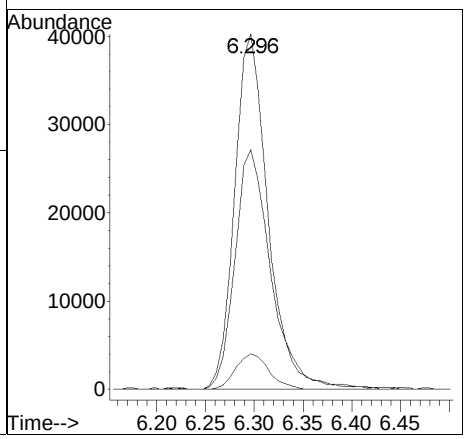


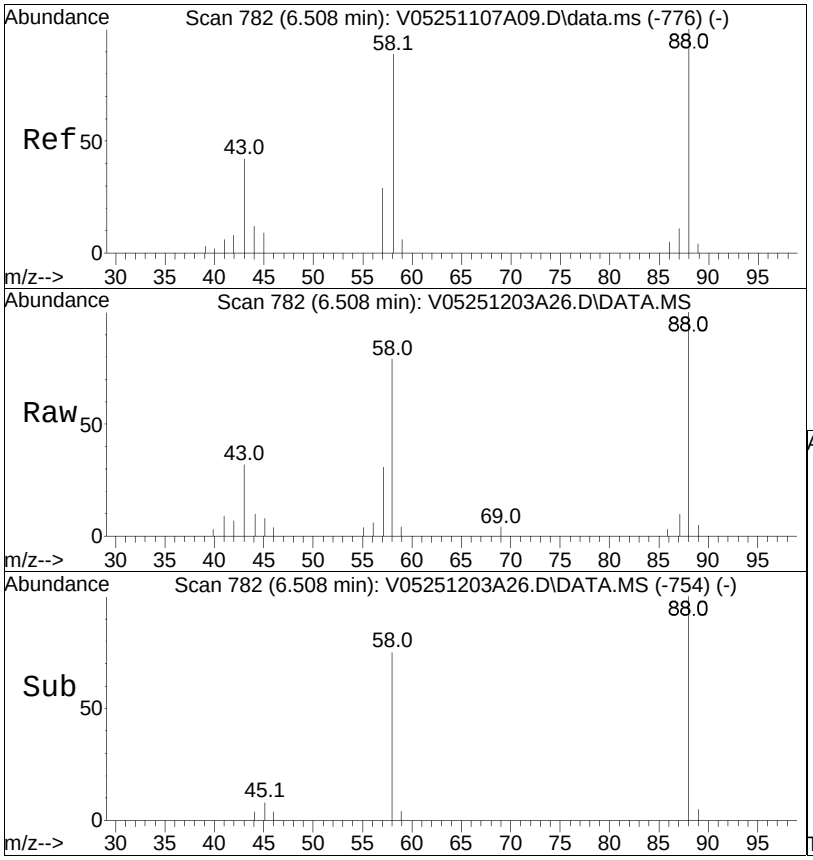


#54
Bromodichloromethane
Concen: 9.95 ug/L
RT: 6.296 min Scan# 752
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 83 Resp: 96584

Ion	Ratio	Lower	Upper
83	100		
85	72.9	53.0	79.6
127	10.0	7.0	10.4

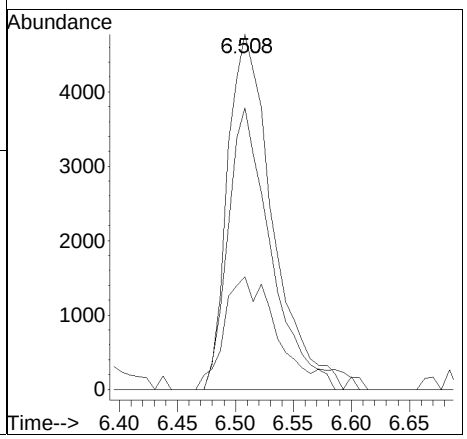


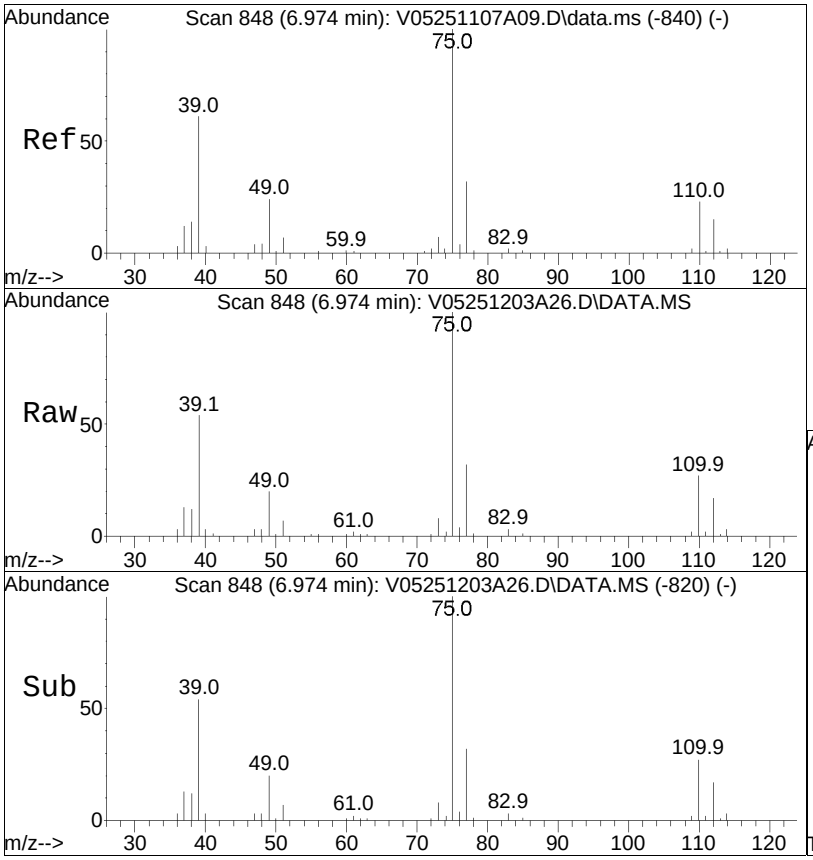


#57
1,4-Dioxane
Concen: 396.24 ug/L
RT: 6.508 min Scan# 782
Delta R.T. 0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 88 Resp: 12897

Ion	Ratio	Lower	Upper
88	100		
58	75.0	73.2	109.8
43	35.9	32.9	49.3

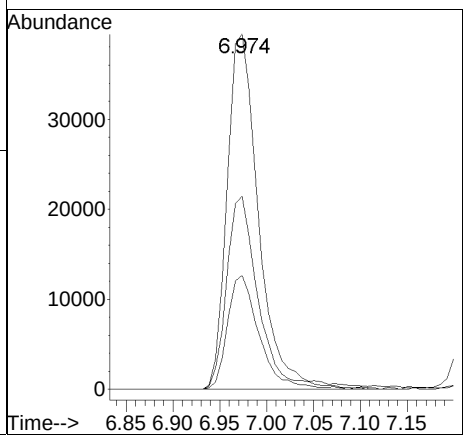


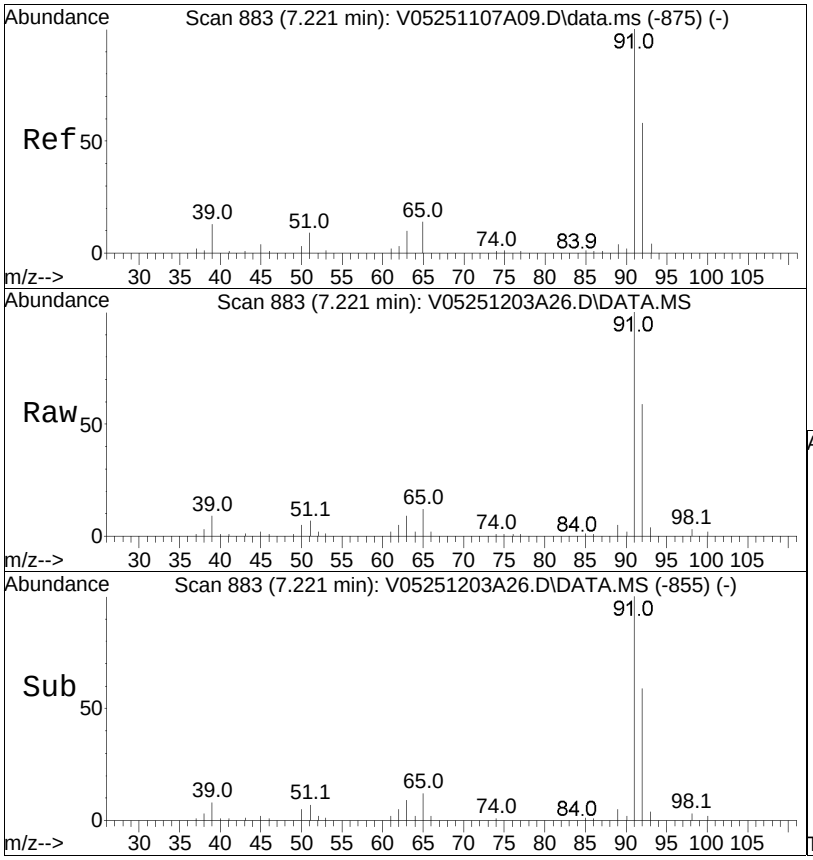


#58
cis-1,3-Dichloropropene
Concen: 8.56 ug/L
RT: 6.974 min Scan# 848
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 75 Resp: 93343

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.0	37.4
39	54.1	50.1	75.1

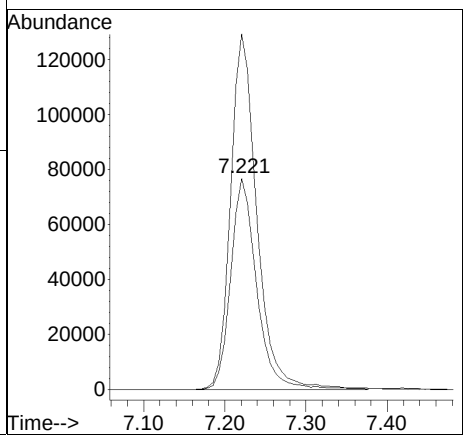


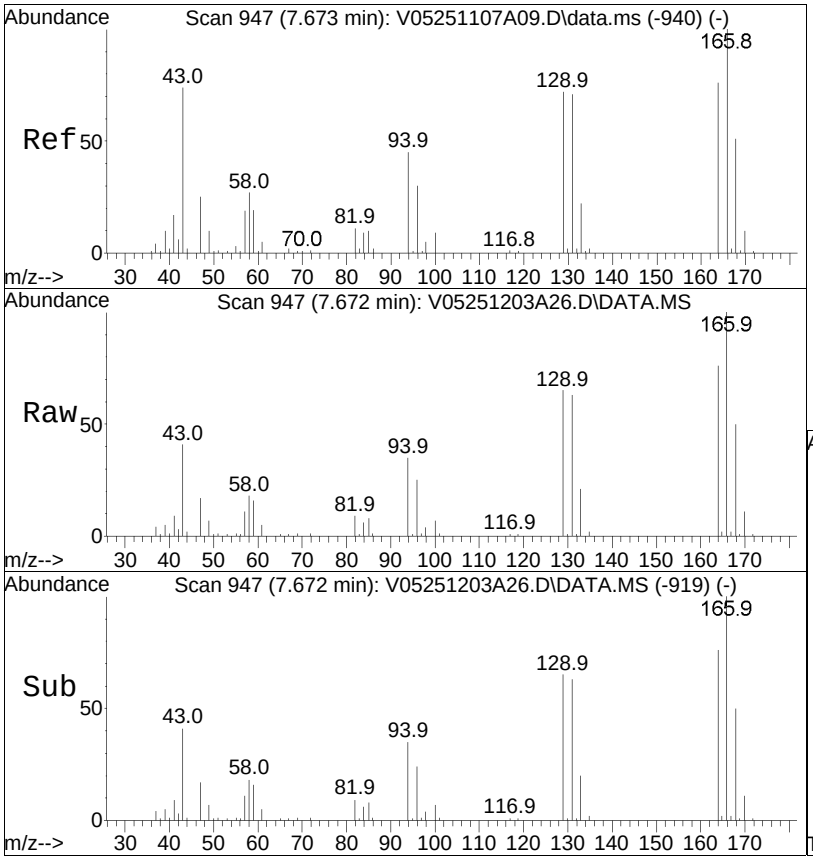


#61
Toluene
Concen: 9.52 ug/L
RT: 7.221 min Scan# 883
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 92 Resp: 170827

Ion	Ratio	Lower	Upper
92	100		
91	170.3	136.6	205.0

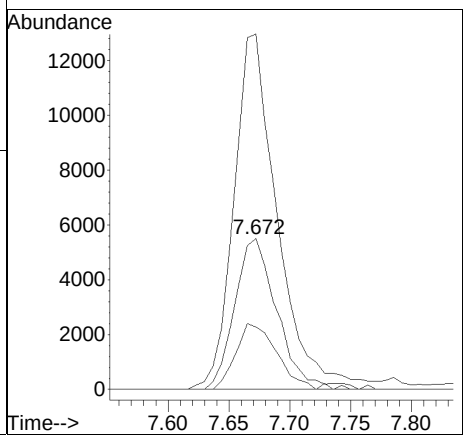


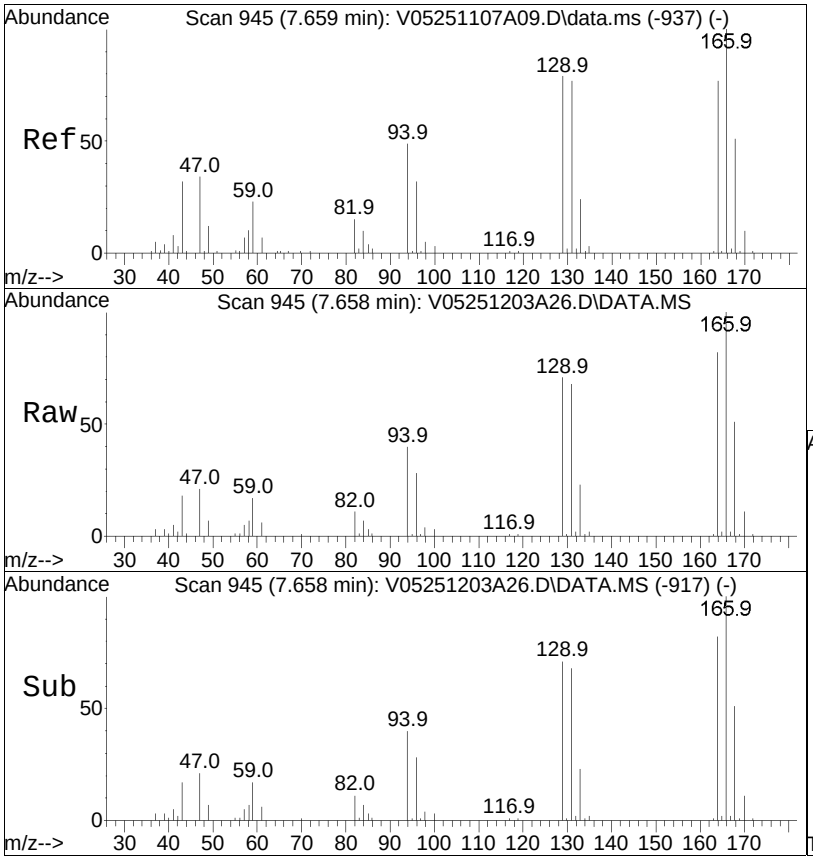


#62
4-Methyl-2-pentanone
Concen: 7.78 ug/L
RT: 7.672 min Scan# 947
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 58 Resp: 13375

Ion	Ratio	Lower	Upper
58	100		
100	41.8	25.6	38.4#
43	241.7	235.2	352.8

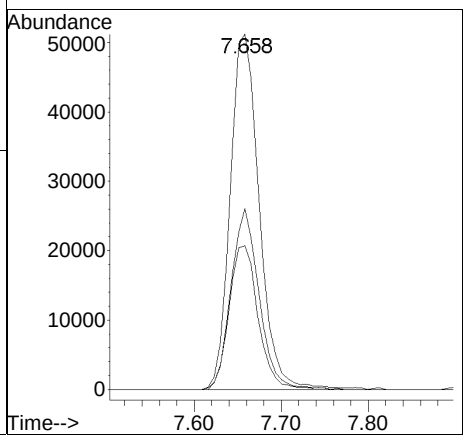


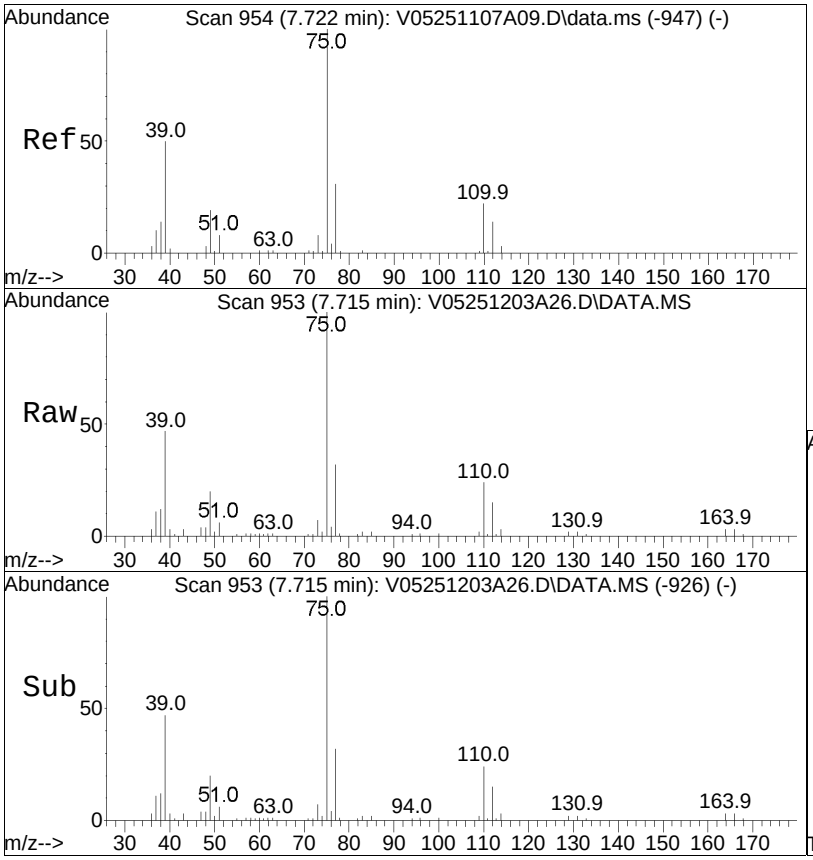


#63
Tetrachloroethene
Concen: 15.47 ug/L
RT: 7.658 min Scan# 945
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:166 Resp: 118935

Ion	Ratio	Lower	Upper
166	100		
168	49.2	29.2	69.2
94	40.4	29.6	69.6

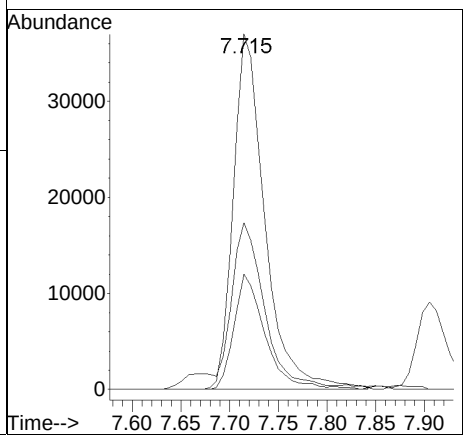


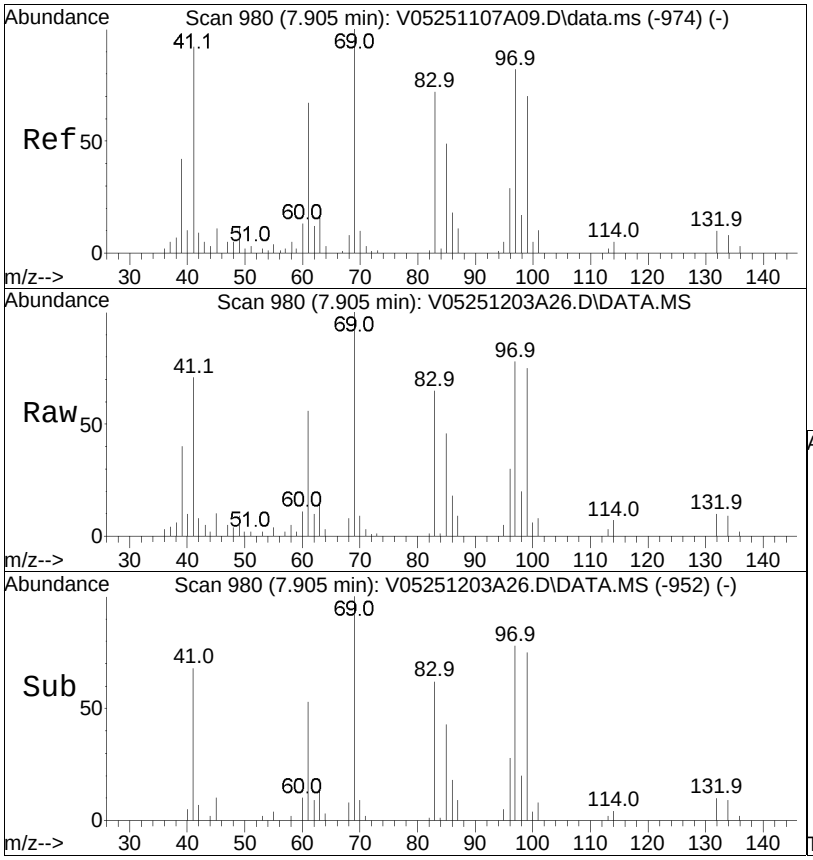


#65
trans-1,3-Dichloropropene
Concen: 8.87 ug/L
RT: 7.715 min Scan# 953
Delta R.T. -0.007 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 75 Resp: 83567

Ion	Ratio	Lower	Upper
75	100		
77	32.1	10.4	50.4
39	48.6	44.9	84.9

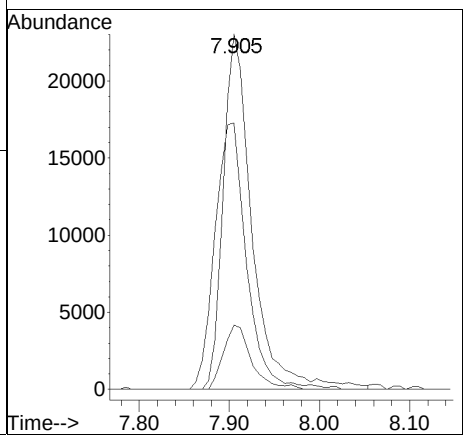


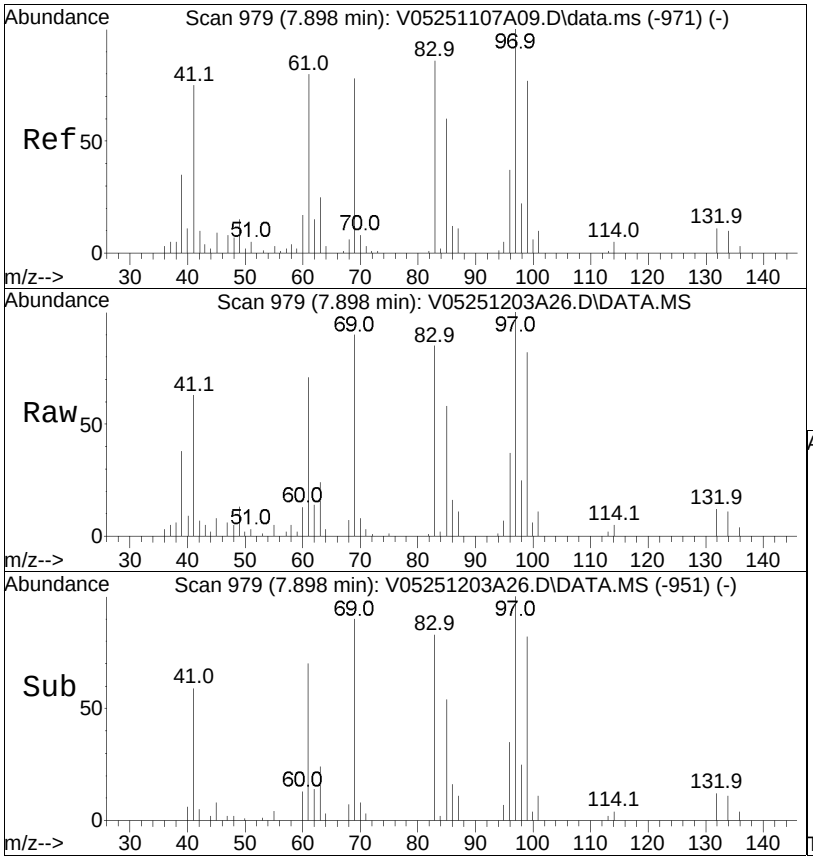


#67
Ethyl methacrylate
Concen: 8.78 ug/L
RT: 7.905 min Scan# 980
Delta R.T. 0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 69 Resp: 51602

Ion	Ratio	Lower	Upper
69	100		
99	81.9	58.2	98.2
86	17.5	0.0	36.3

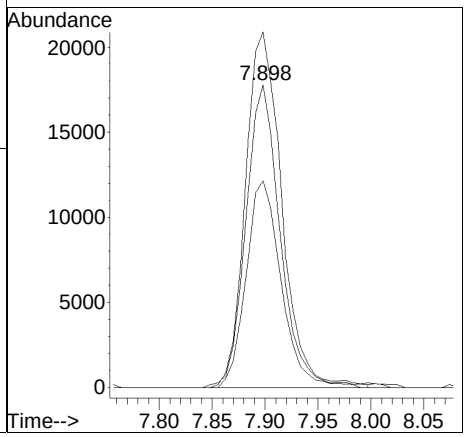


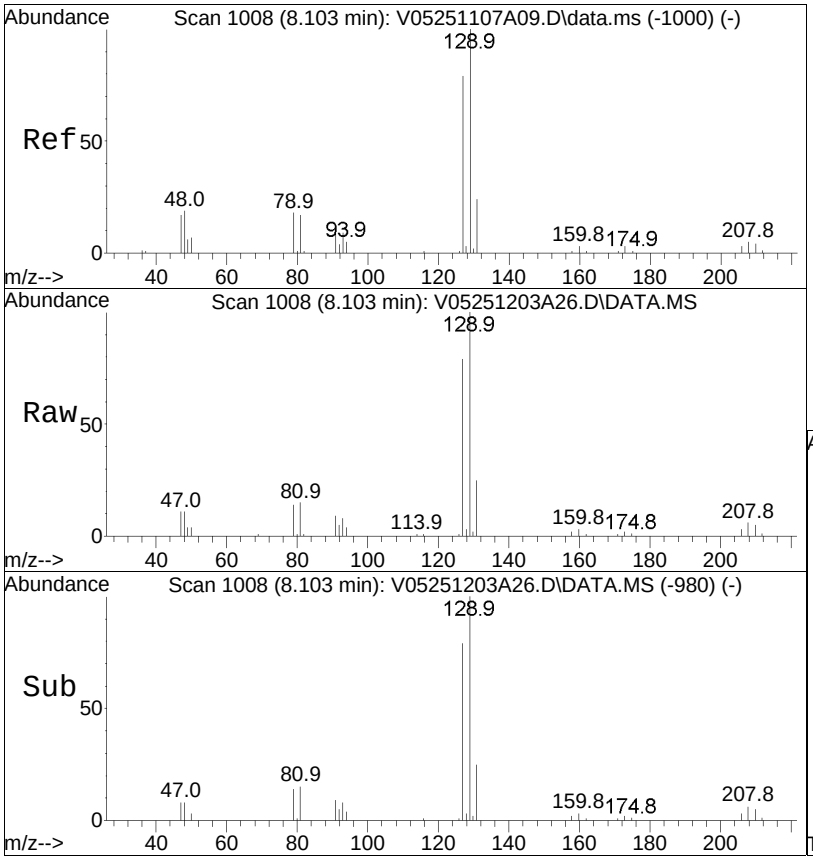


#68
1,1,2-Trichloroethane
Concen: 9.59 ug/L
RT: 7.898 min Scan# 979
Delta R.T. 0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 83 Resp: 40239

Ion	Ratio	Lower	Upper
83	100		
97	124.7	98.0	138.0
85	69.5	50.6	90.6

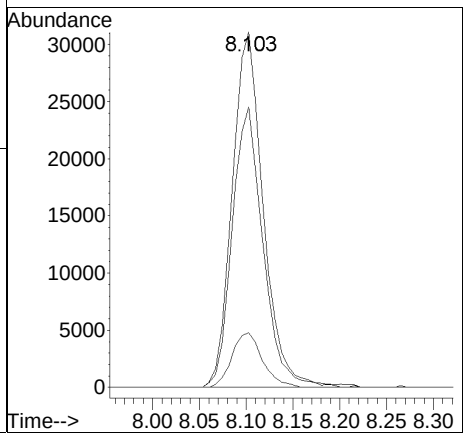


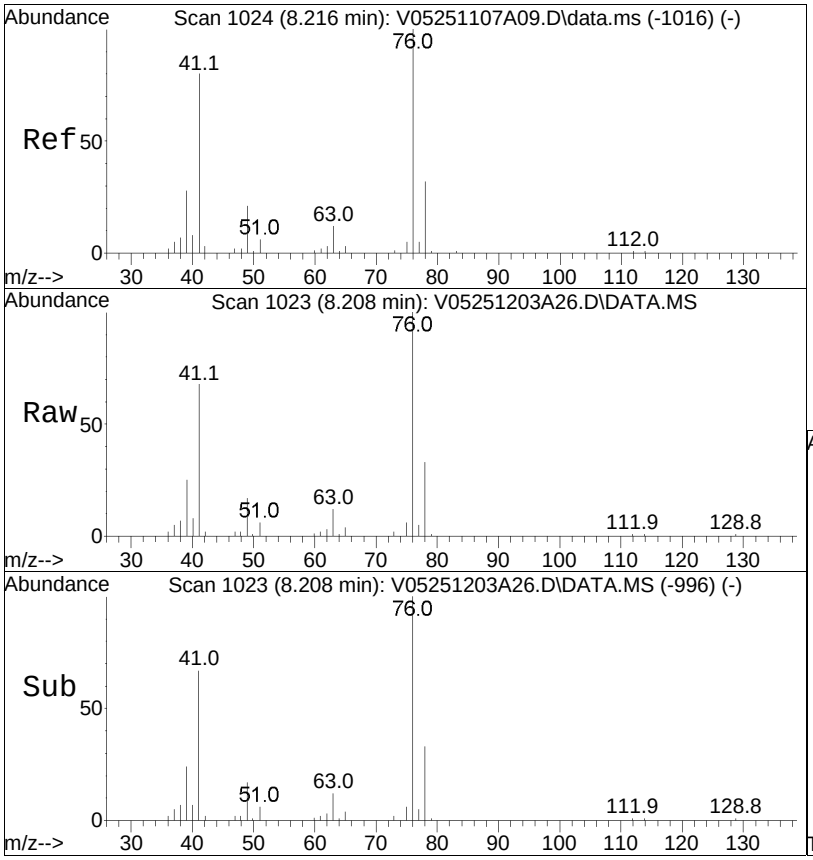


#69
Chlorodibromomethane
Concen: 10.78 ug/L
RT: 8.103 min Scan# 1008
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:129 Resp: 71863

Ion	Ratio	Lower	Upper
129	100		
81	15.2	0.0	37.7
127	78.0	57.1	97.1

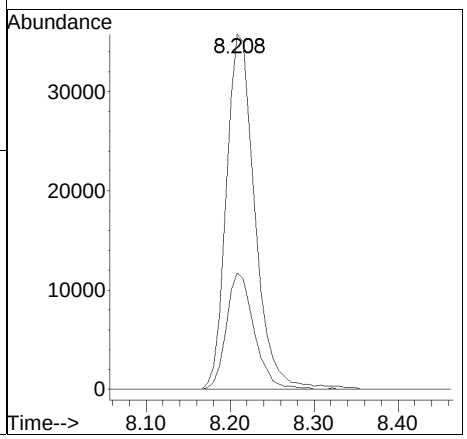


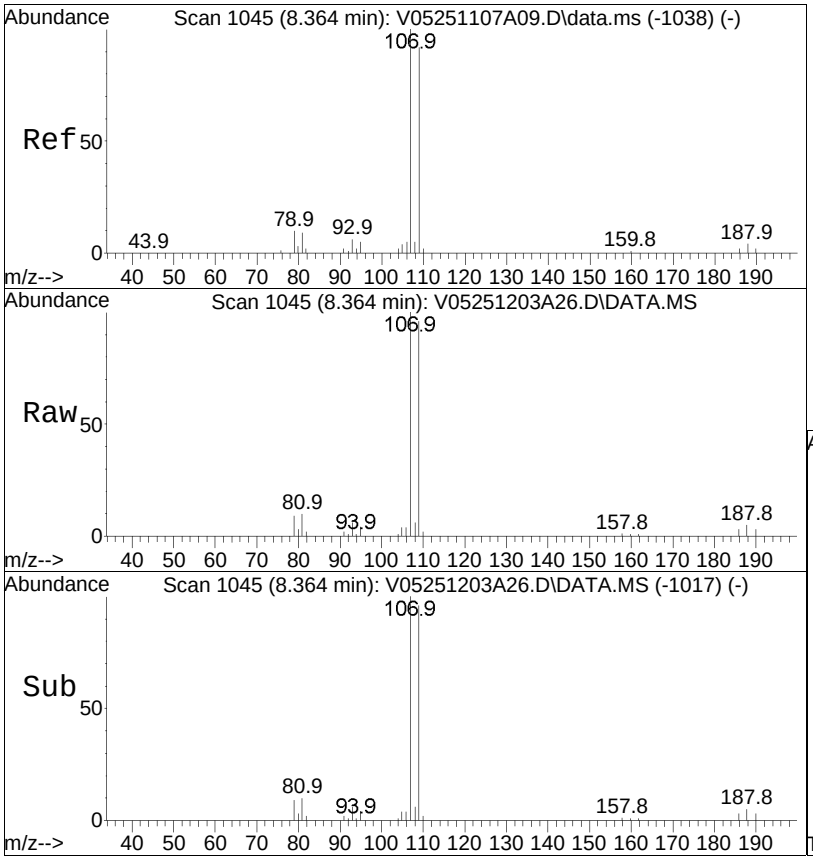


#70
1,3-Dichloropropane
Concen: 9.22 ug/L
RT: 8.208 min Scan# 1023
Delta R.T. -0.008 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 76 Resp: 84708

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

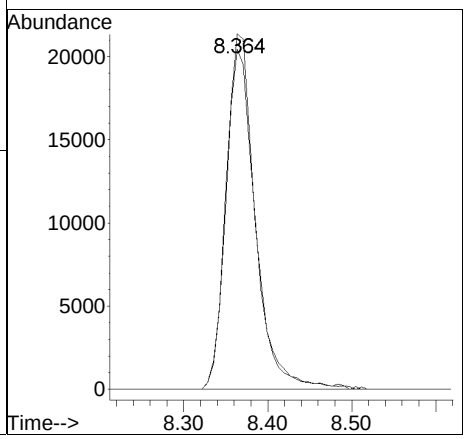


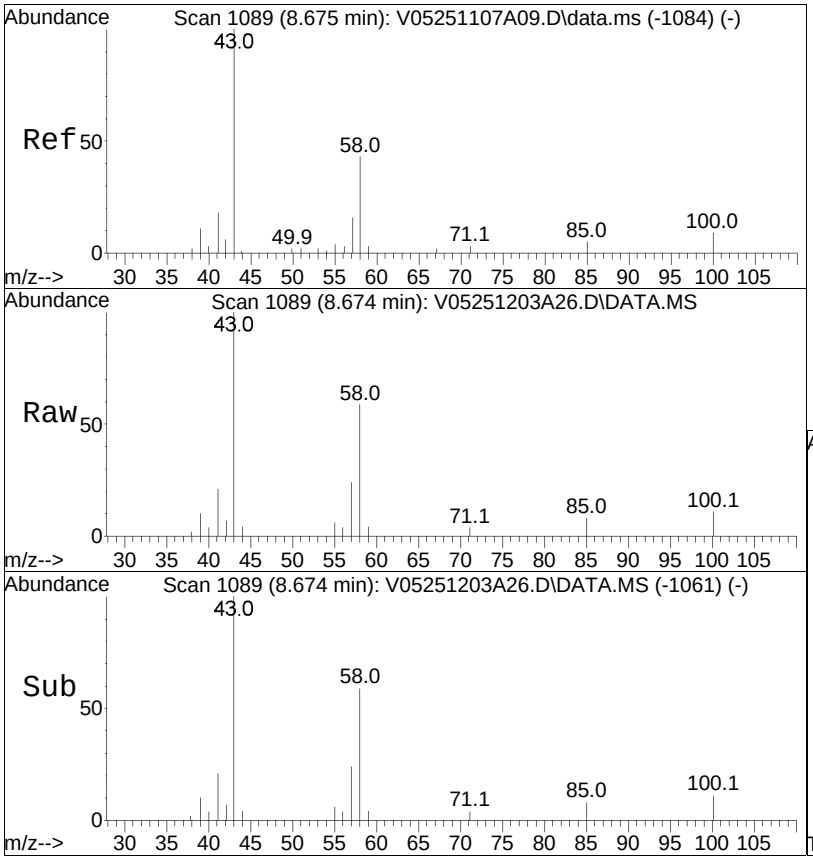


#71
1,2-Dibromoethane
Concen: 10.65 ug/L
RT: 8.364 min Scan# 1045
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:107 Resp: 52380

Ion	Ratio	Lower	Upper
107	100		
109	95.3	74.2	111.2

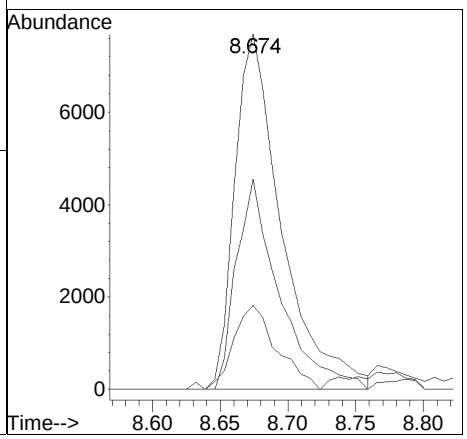


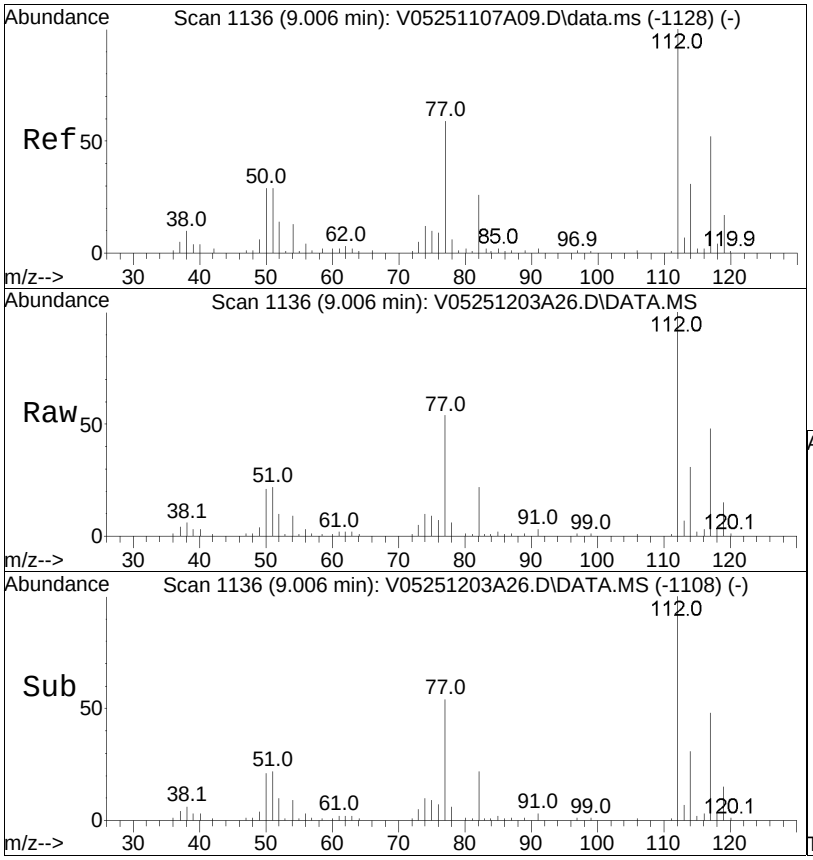


#72
2-Hexanone
Concen: 6.33 ug/L
RT: 8.674 min Scan# 1089
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 43 Resp: 18559

Ion	Ratio	Lower	Upper
43	100		
58	54.4	38.3	57.5
57	22.1	12.8	19.2#

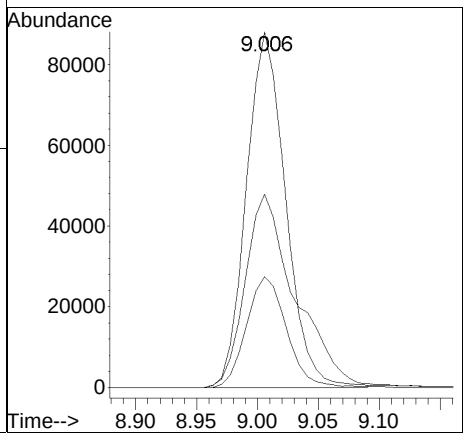


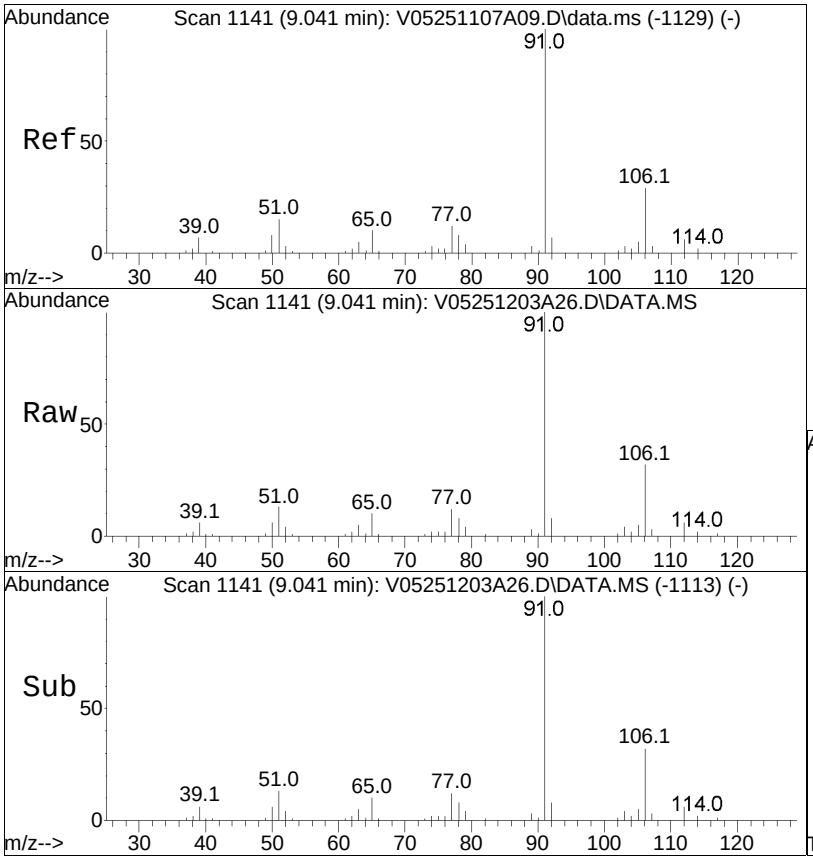


#73
Chlorobenzene
Concen: 9.82 ug/L
RT: 9.006 min Scan# 1136
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:112 Resp: 196831

Ion	Ratio	Lower	Upper
112	100		
77	70.0	62.1	93.1
114	31.8	25.3	37.9

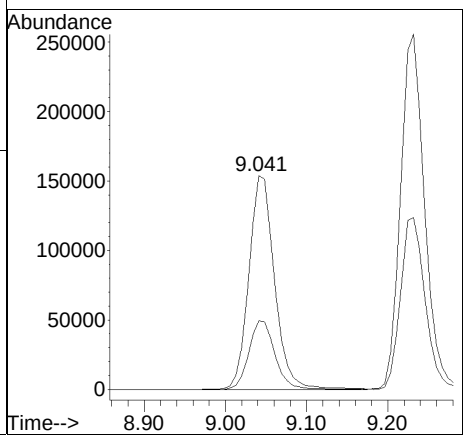


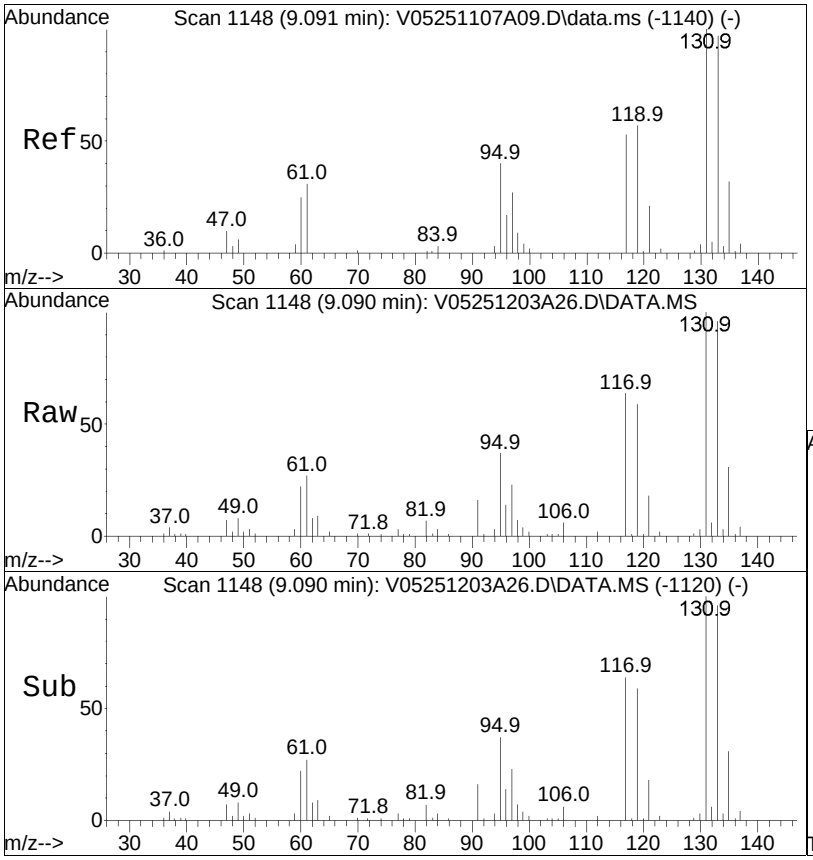


#74
Ethylbenzene
Concen: 9.66 ug/L
RT: 9.041 min Scan# 1141
Delta R.T. 0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 91 Resp: 339089

Ion	Ratio	Lower	Upper
91	100		
106	32.5	24.2	36.2

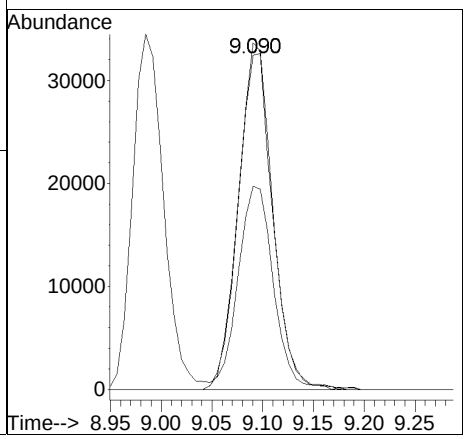


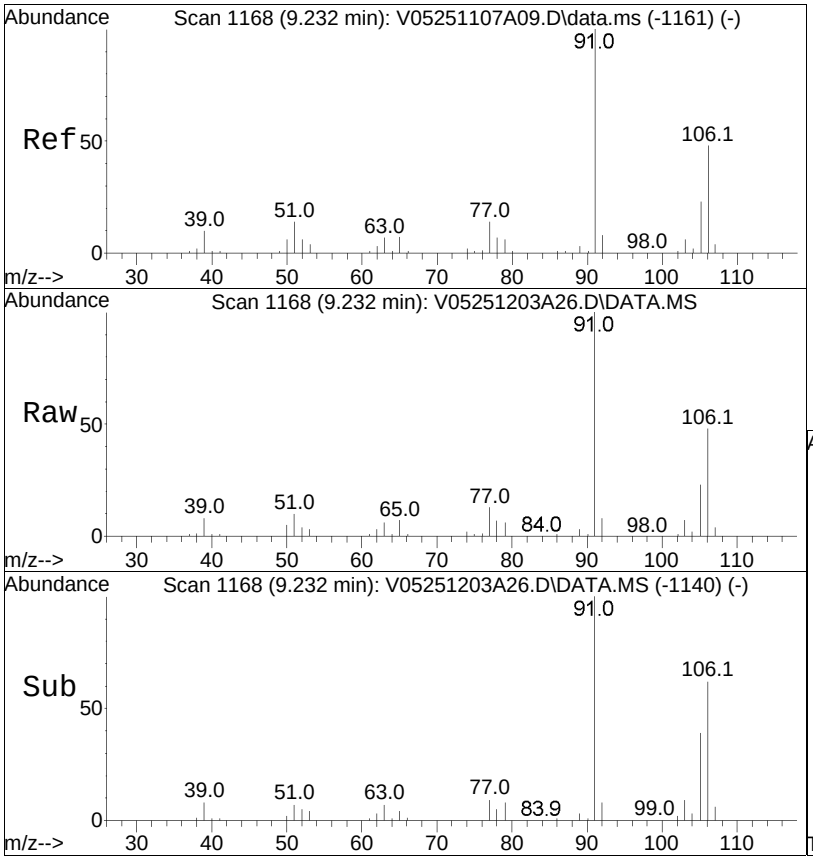


#75
1,1,1,2-Tetrachloroethane
Concen: 11.01 ug/L
RT: 9.090 min Scan# 1148
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:131 Resp: 79444

Ion	Ratio	Lower	Upper
131	100		
133	97.0	77.7	117.7
119	59.9	43.0	83.0

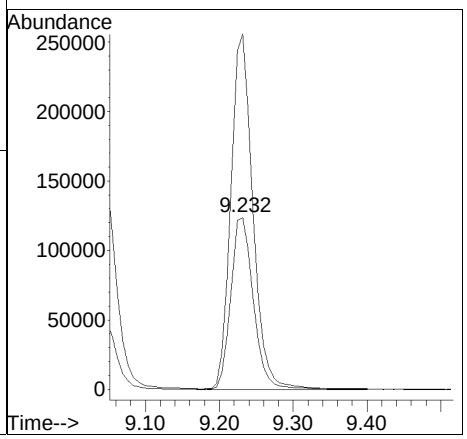


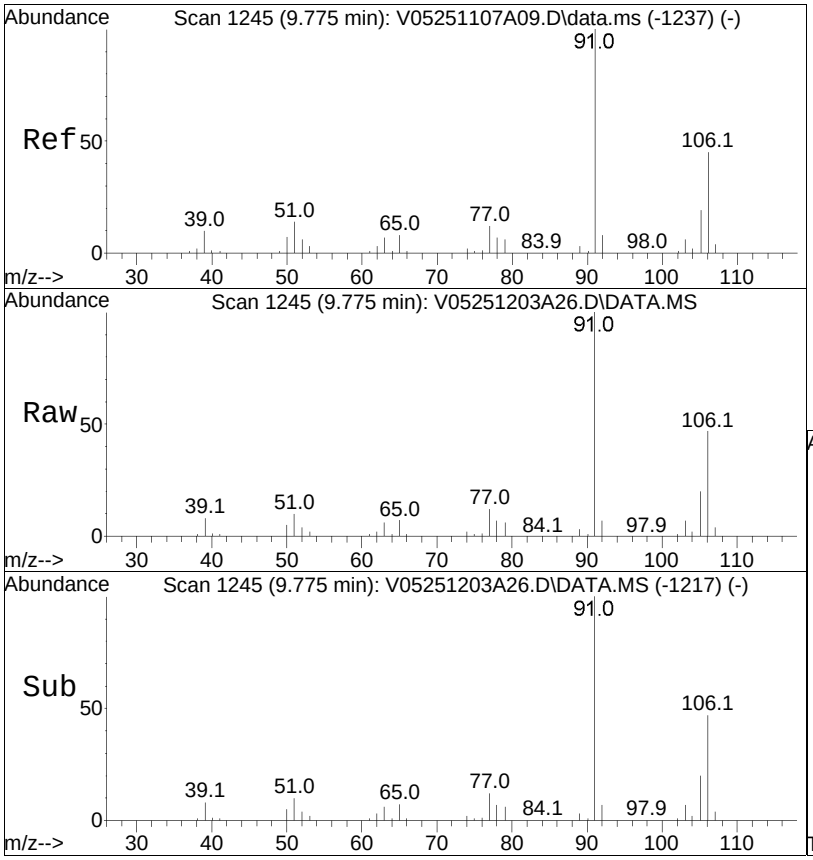


#76
p/m Xylene
Concen: 20.18 ug/L
RT: 9.232 min Scan# 1168
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:106 Resp: 263475

Ion	Ratio	Lower	Upper
106	100		
91	199.9	164.9	247.3

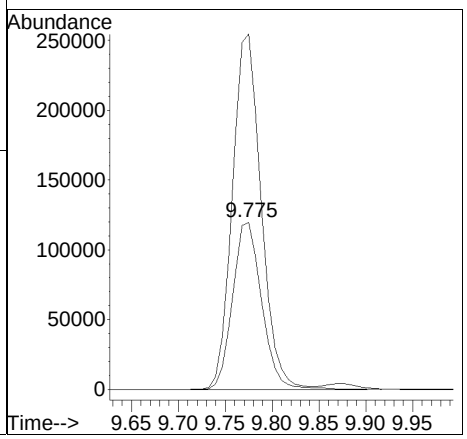


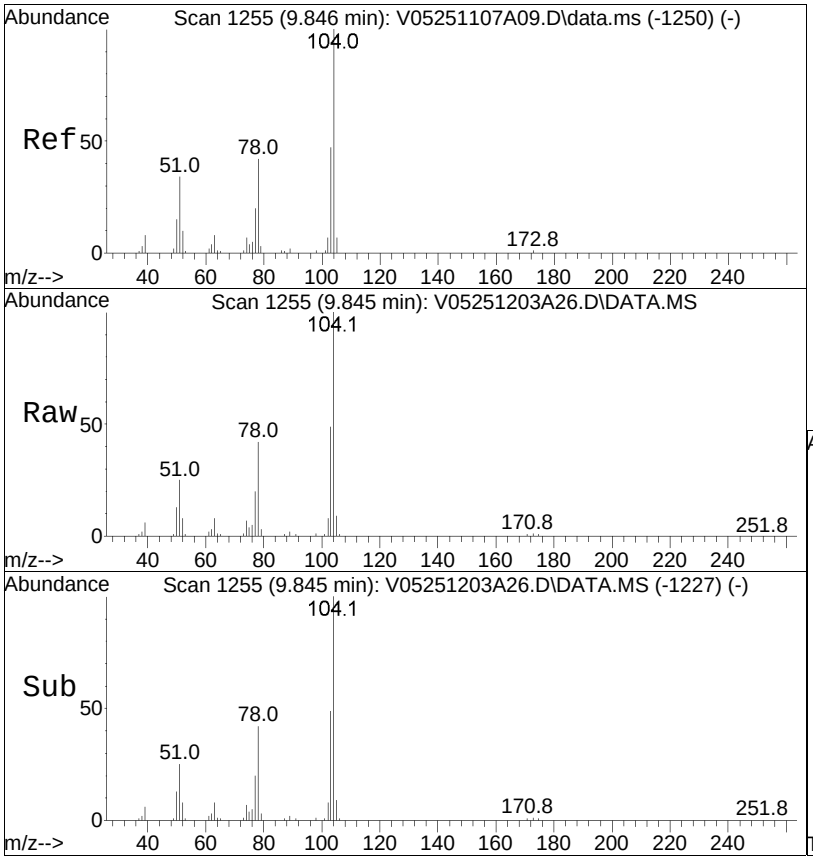


#77
o Xylene
Concen: 20.65 ug/L
RT: 9.775 min Scan# 1245
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:106 Resp: 258416

Ion	Ratio	Lower	Upper
106	100		
91	210.2	174.7	262.1

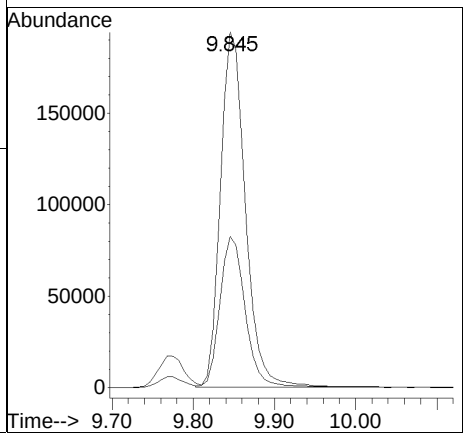


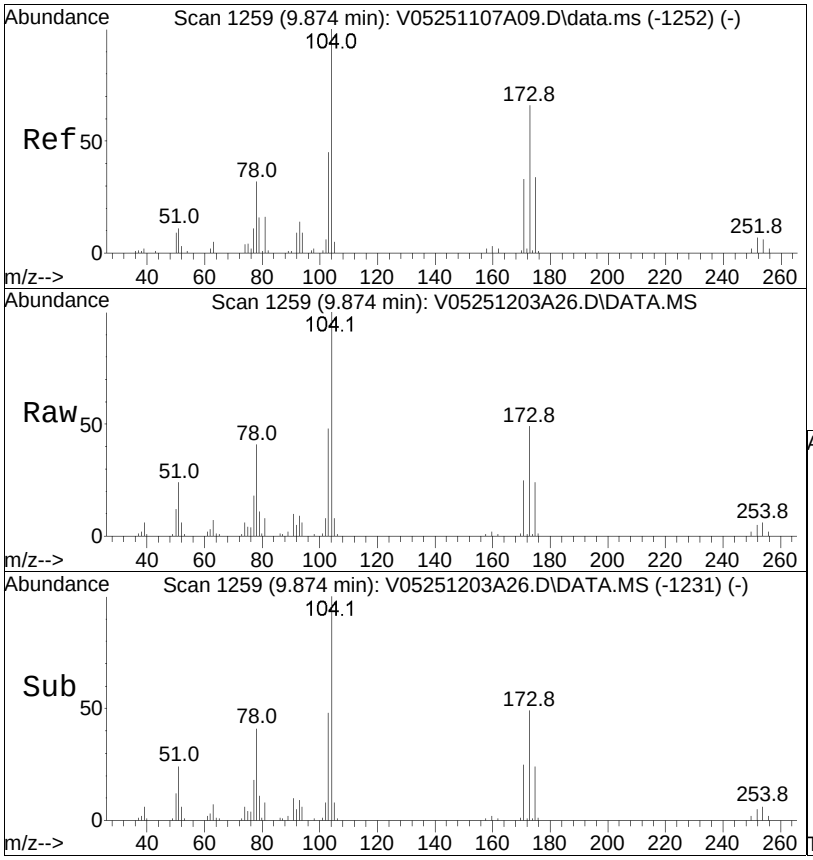


#78
Styrene
Concen: 20.22 ug/L
RT: 9.845 min Scan# 1255
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:104 Resp: 413241

Ion	Ratio	Lower	Upper
104	100		
78	43.1	35.0	52.4

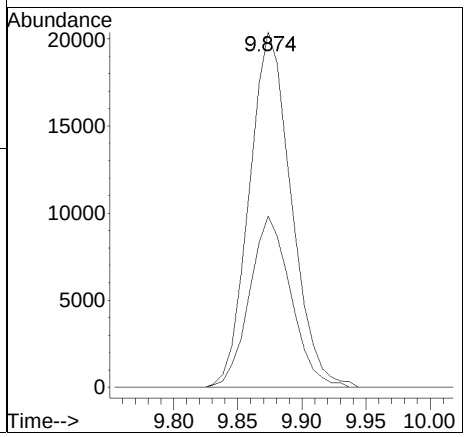


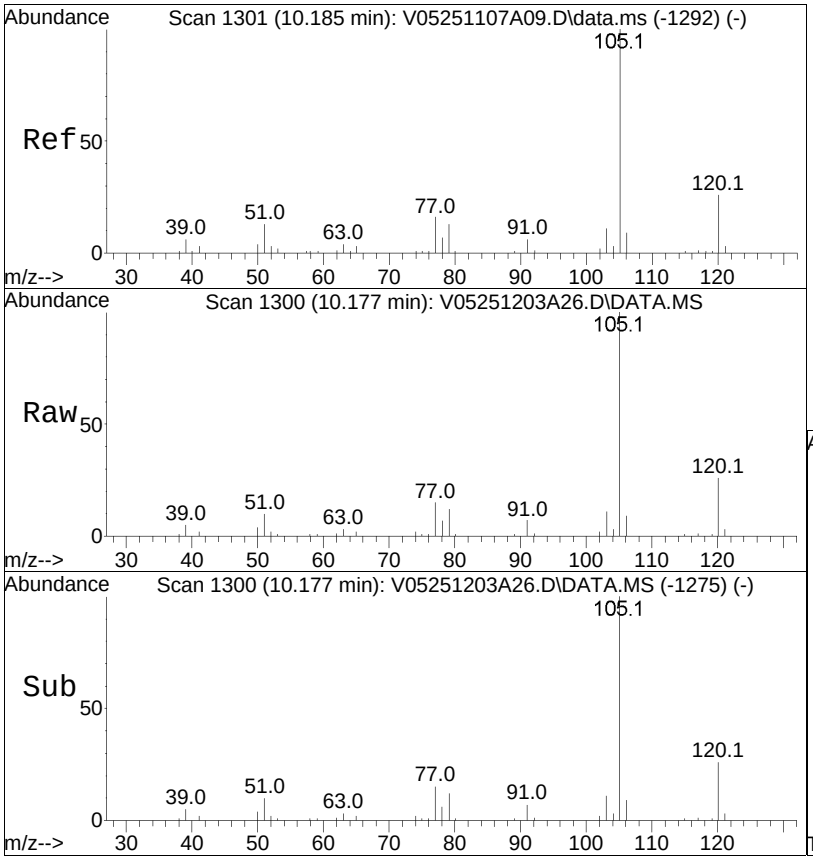


#80
Bromoform
Concen: 10.22 ug/L
RT: 9.874 min Scan# 1259
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:173 Resp: 46423

Ion	Ratio	Lower	Upper
173	100		
175	47.6	29.6	69.6

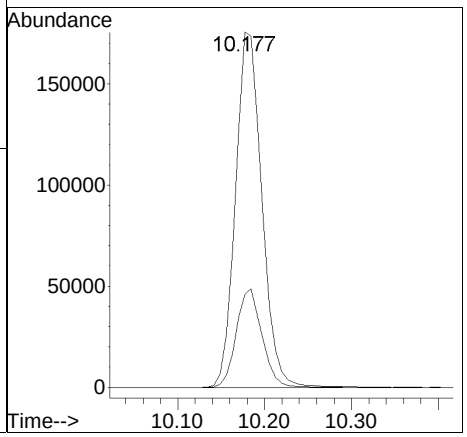


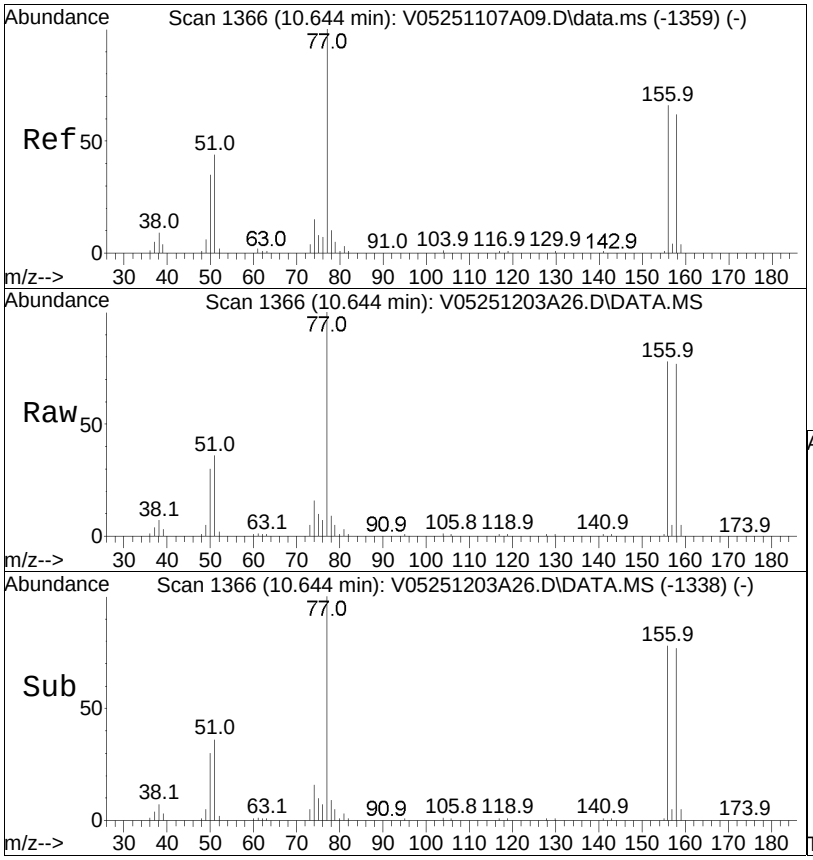


#82
Isopropylbenzene
Concen: 9.03 ug/L
RT: 10.177 min Scan# 1300
Delta R.T. -0.008 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:105 Resp: 371162

Ion	Ratio	Lower	Upper
105	100		
120	27.0	6.1	46.1

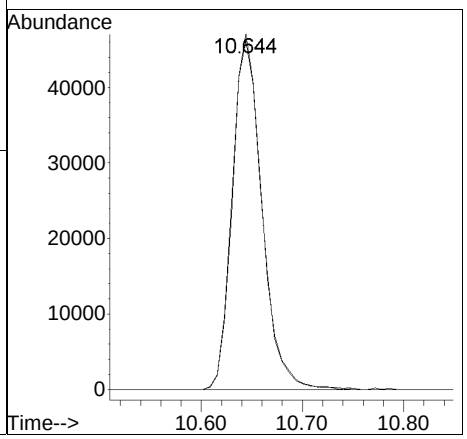


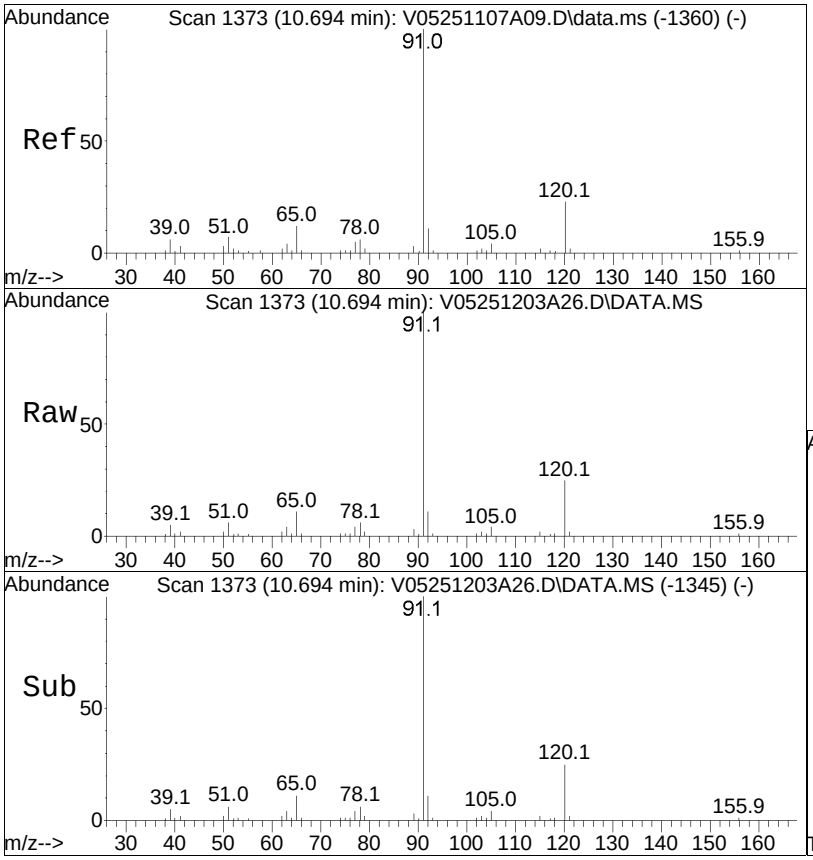


#84
Bromobenzene
Concen: 10.00 ug/L
RT: 10.644 min Scan# 1366
Delta R.T. 0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:156 Resp: 95915

Ion	Ratio	Lower	Upper
156	100		
158	97.7	76.3	114.5

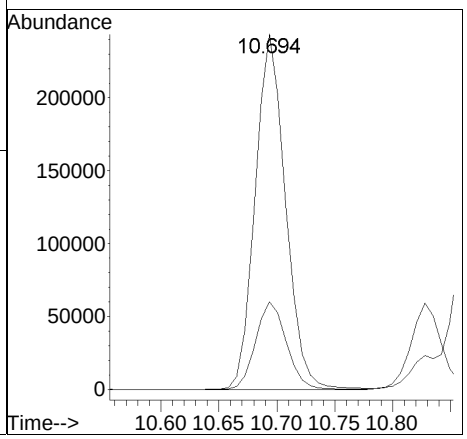


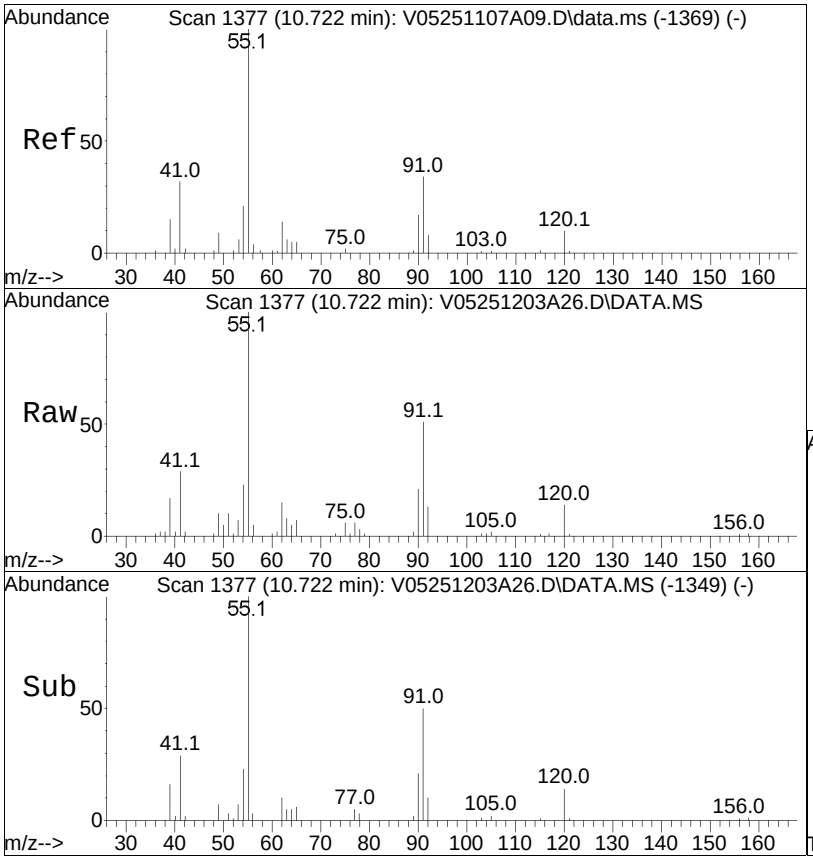


#85
n-Propylbenzene
Concen: 8.97 ug/L
RT: 10.694 min Scan# 1373
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 91 Resp: 443135

Ion	Ratio	Lower	Upper
91	100		
120	25.0	18.3	27.5

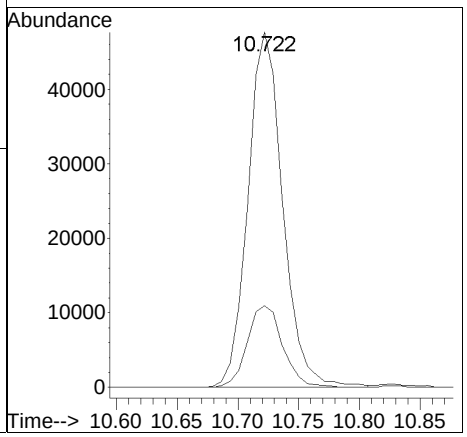


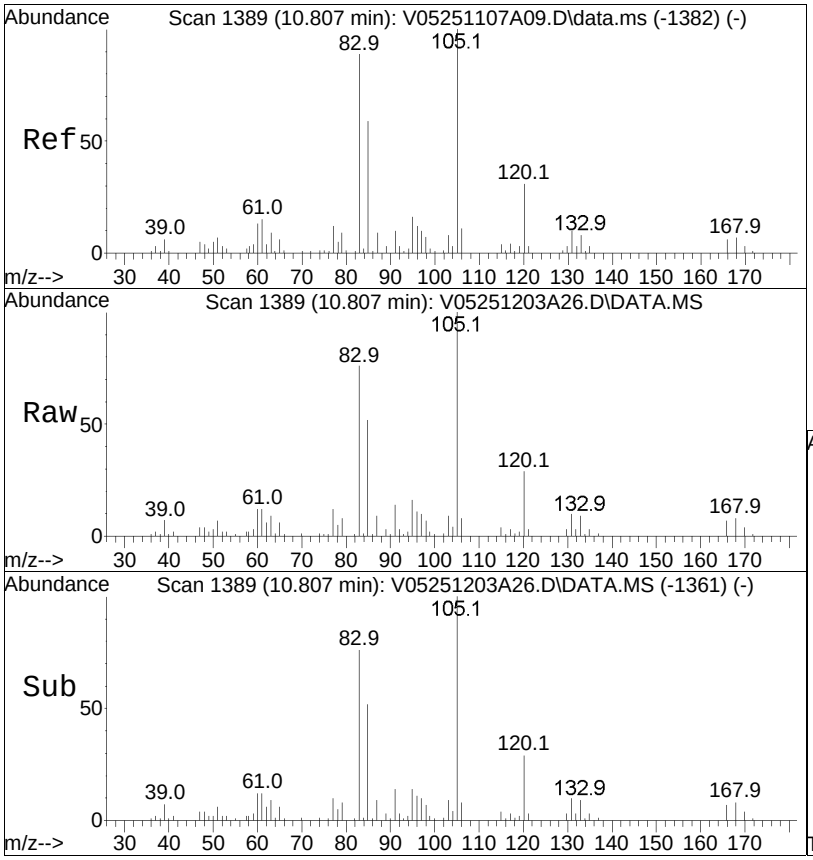


#86
1,4-Dichlorobutane
Concen: 7.19 ug/L
RT: 10.722 min Scan# 1377
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 55 Resp: 95066

Ion	Ratio	Lower	Upper
55	100		
54	23.4	16.6	24.8

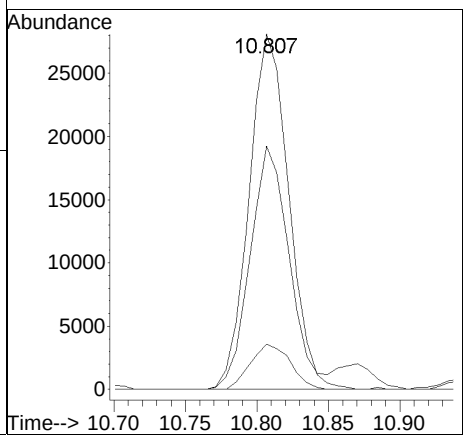


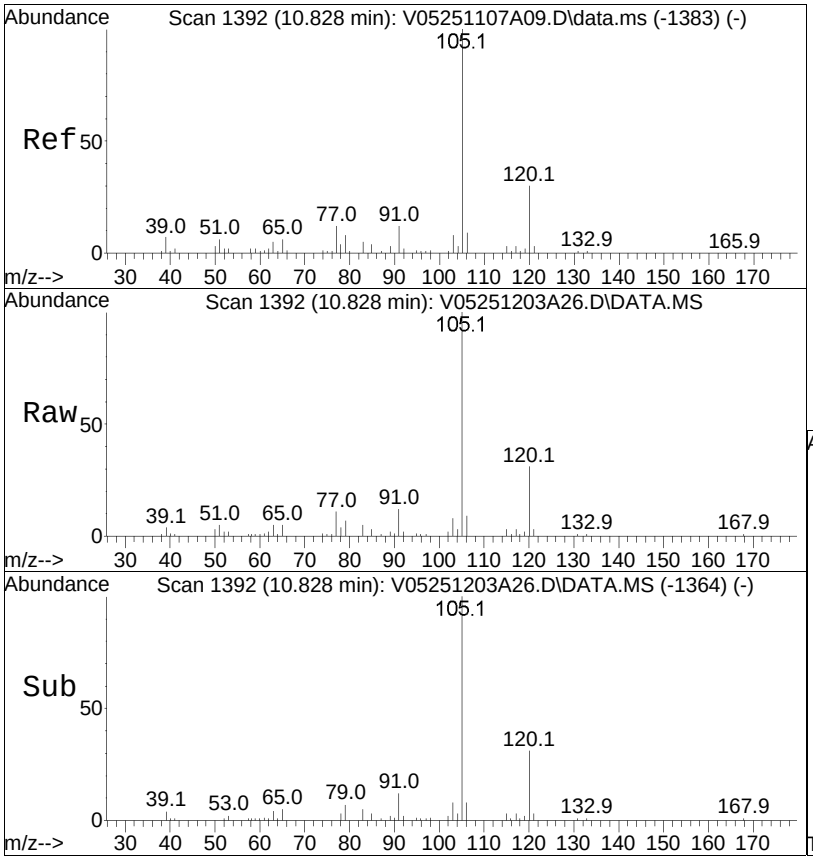


#87
1,1,2,2-Tetrachloroethane
Concen: 8.24 ug/L
RT: 10.807 min Scan# 1389
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 83 Resp: 54295

Ion	Ratio	Lower	Upper
83	100		
131	12.8	0.0	30.8
85	67.7	47.6	87.6

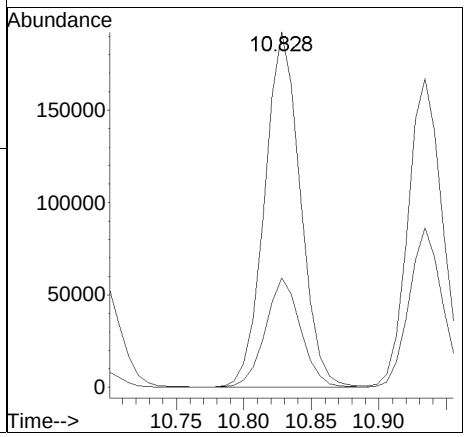


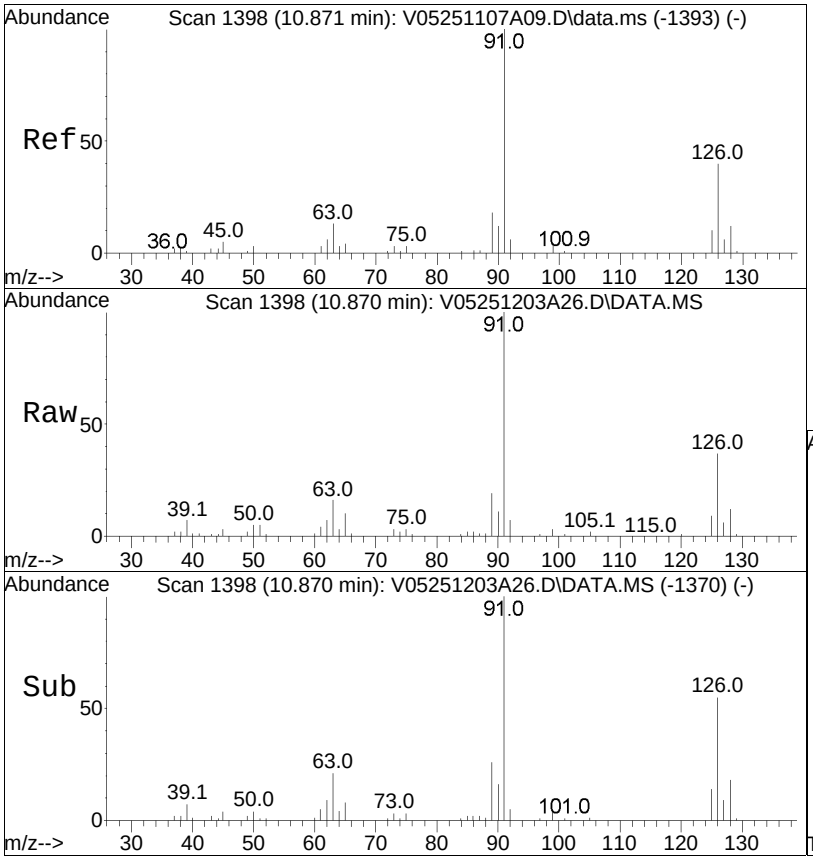


#88
4-Ethyltoluene
Concen: 8.86 ug/L
RT: 10.828 min Scan# 1392
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:105 Resp: 354167

Ion	Ratio	Lower	Upper
105	100		
120	30.1	19.2	40.0

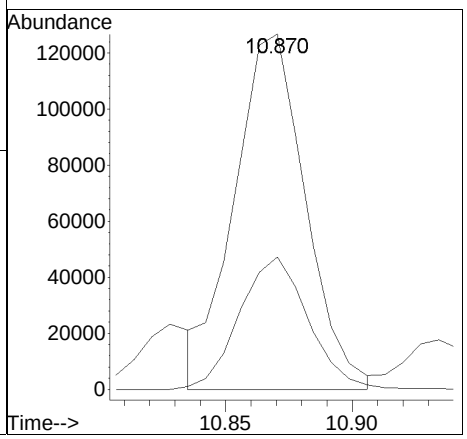


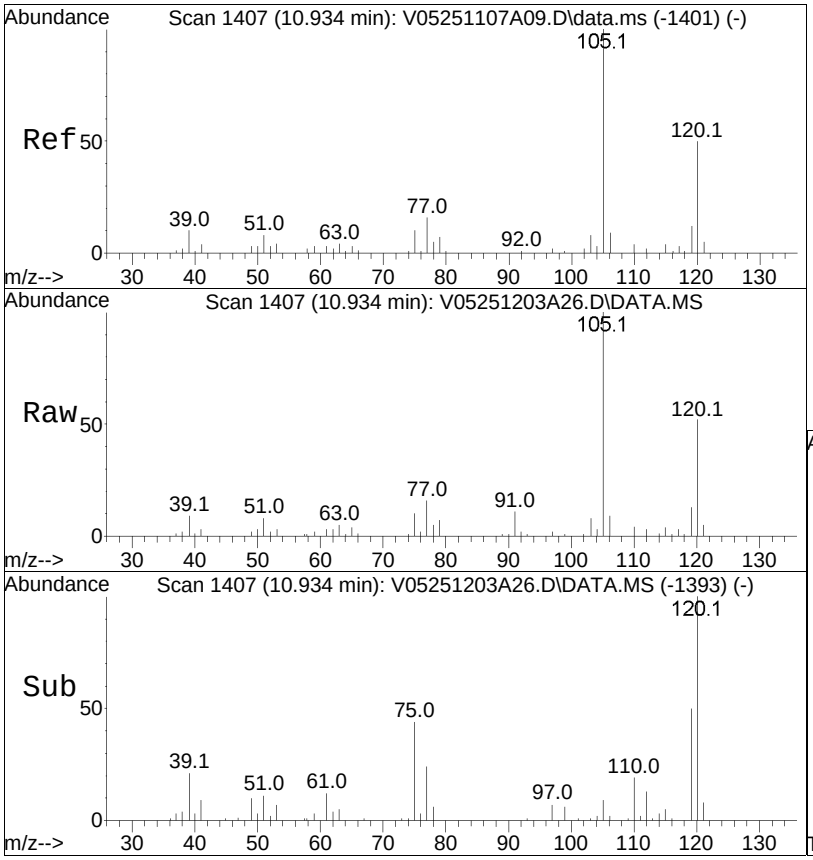


#89
2-Chlorotoluene
Concen: 8.36 ug/L M6
RT: 10.870 min Scan# 1398
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 91 Resp: 246780

Ion	Ratio	Lower	Upper
91	100		
126	36.1	26.1	39.1

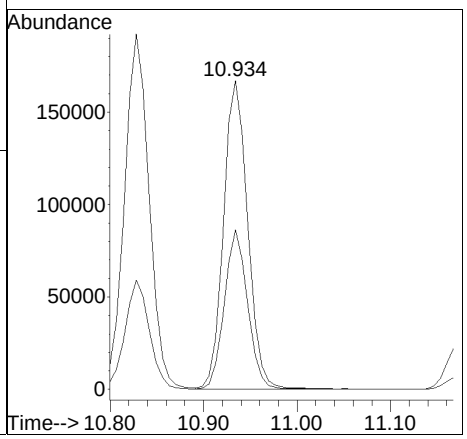


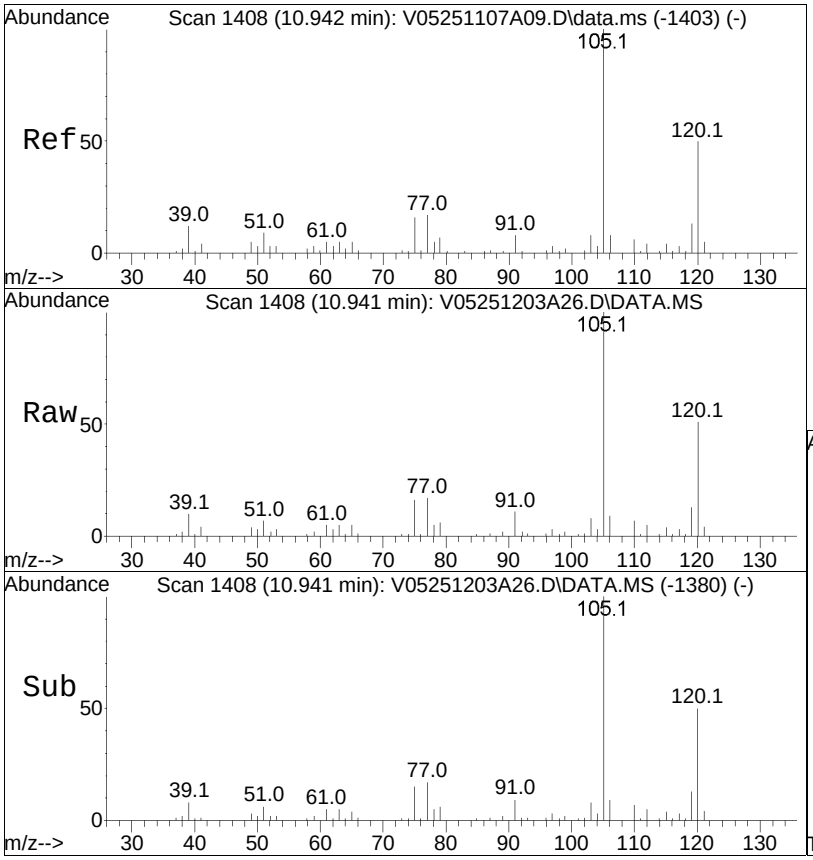


#90
1,3,5-Trimethylbenzene
Concen: 8.72 ug/L
RT: 10.934 min Scan# 1407
Delta R.T. 0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:105 Resp: 298869

Ion	Ratio	Lower	Upper
105	100		
120	49.6	38.5	57.7

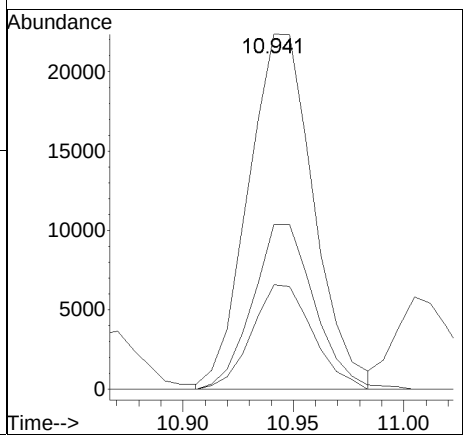


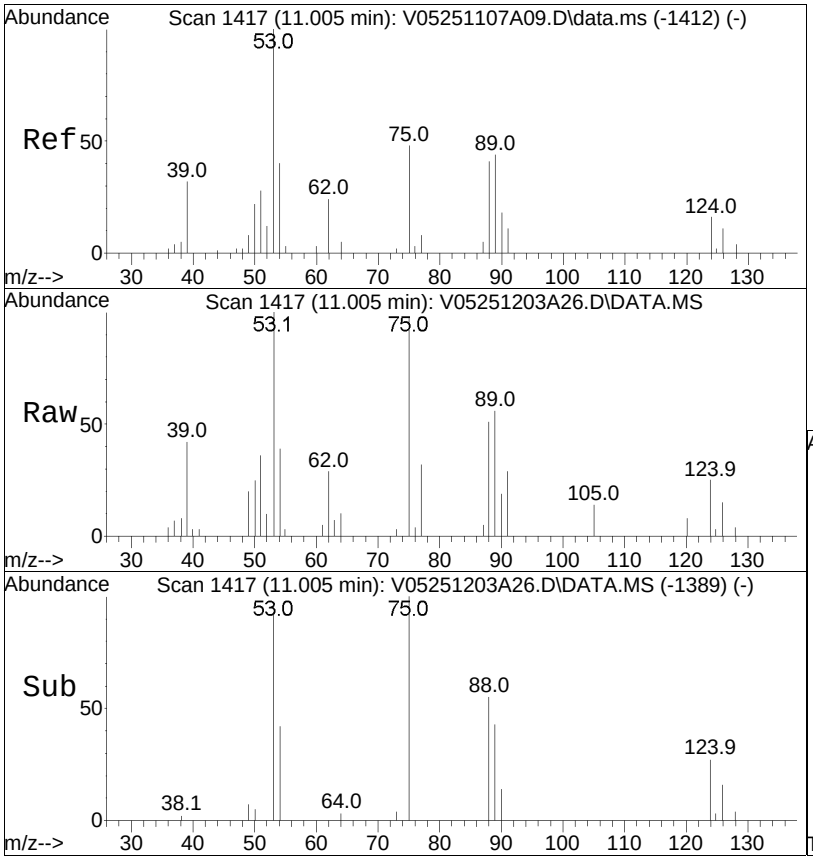


#91
1,2,3-Trichloropropane
Concen: 8.09 ug/L
RT: 10.941 min Scan# 1408
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 75 Resp: 46066

Ion	Ratio	Lower	Upper
75	100		
110	43.9	24.2	50.2
112	27.5	15.1	31.5

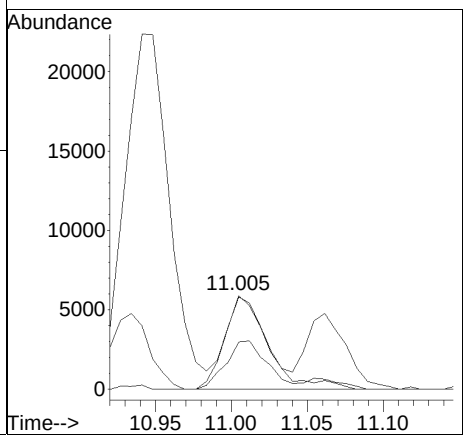


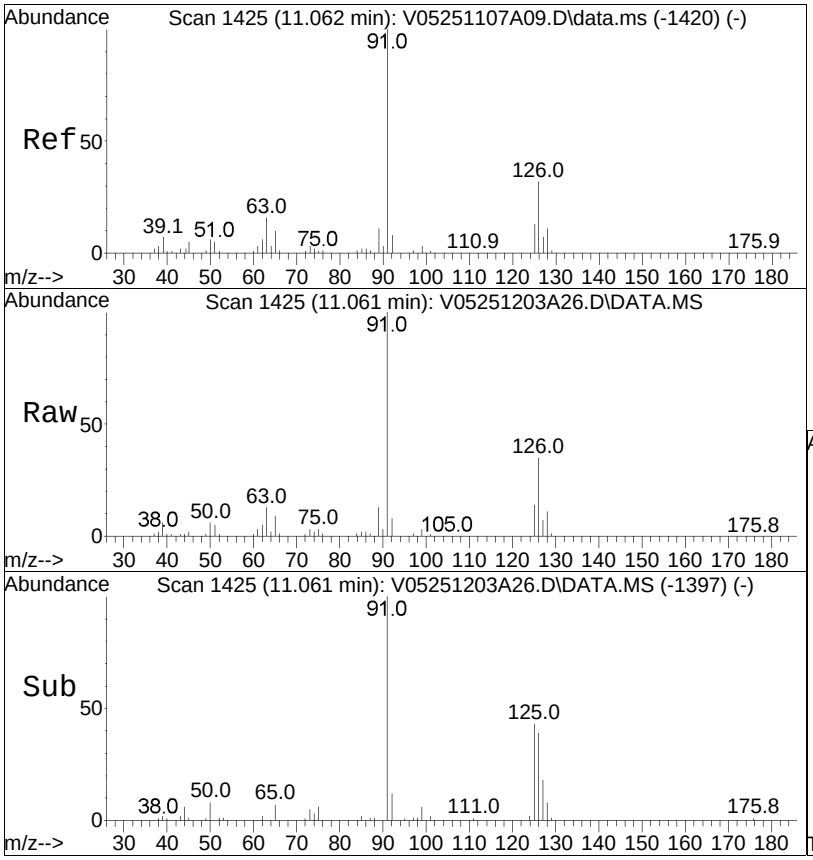


#92
trans-1,4-Dichloro-2-butene
Concen: 5.07 ug/L
RT: 11.005 min Scan# 1417
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 53 Resp: 11692

Ion	Ratio	Lower	Upper
53	100		
88	49.5	31.1	46.7#
75	90.0	64.8	97.2

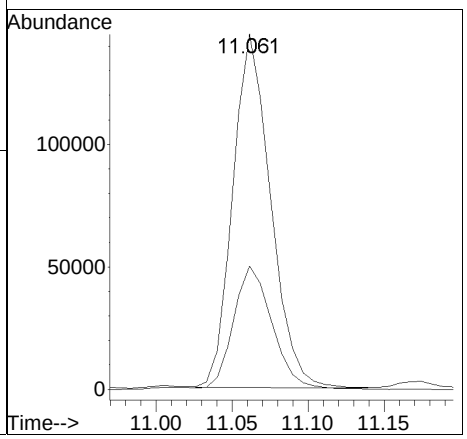


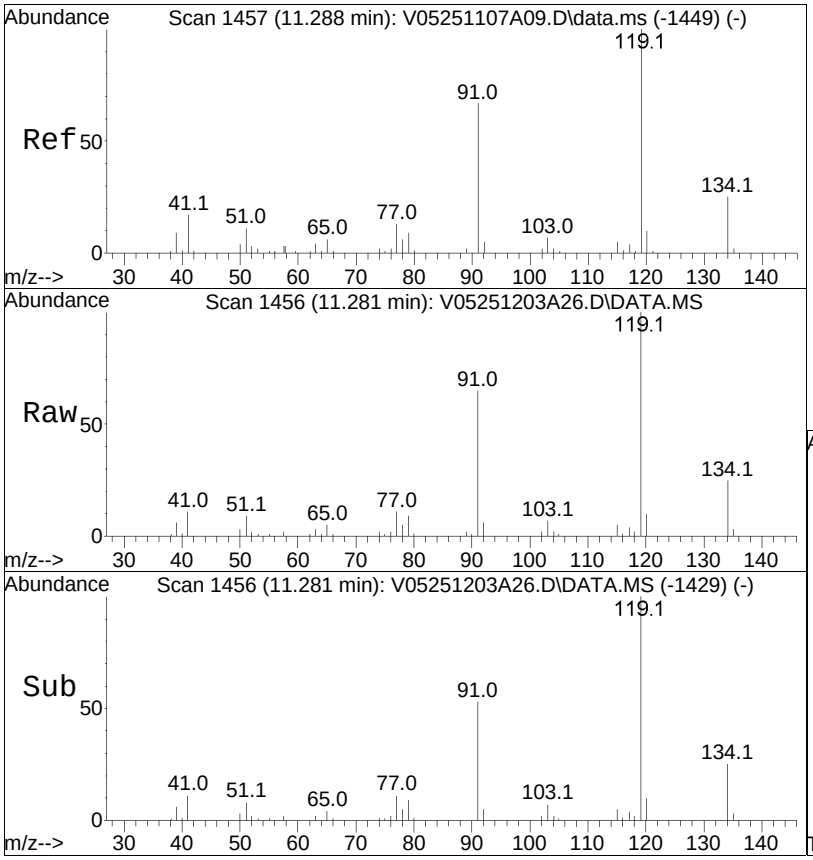


#93
4-Chlorotoluene
Concen: 8.20 ug/L
RT: 11.061 min Scan# 1425
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 91 Resp: 249530

Ion	Ratio	Lower	Upper
91	100		
126	35.9	27.0	40.6

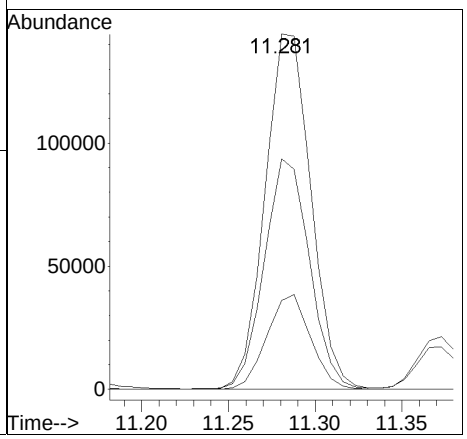


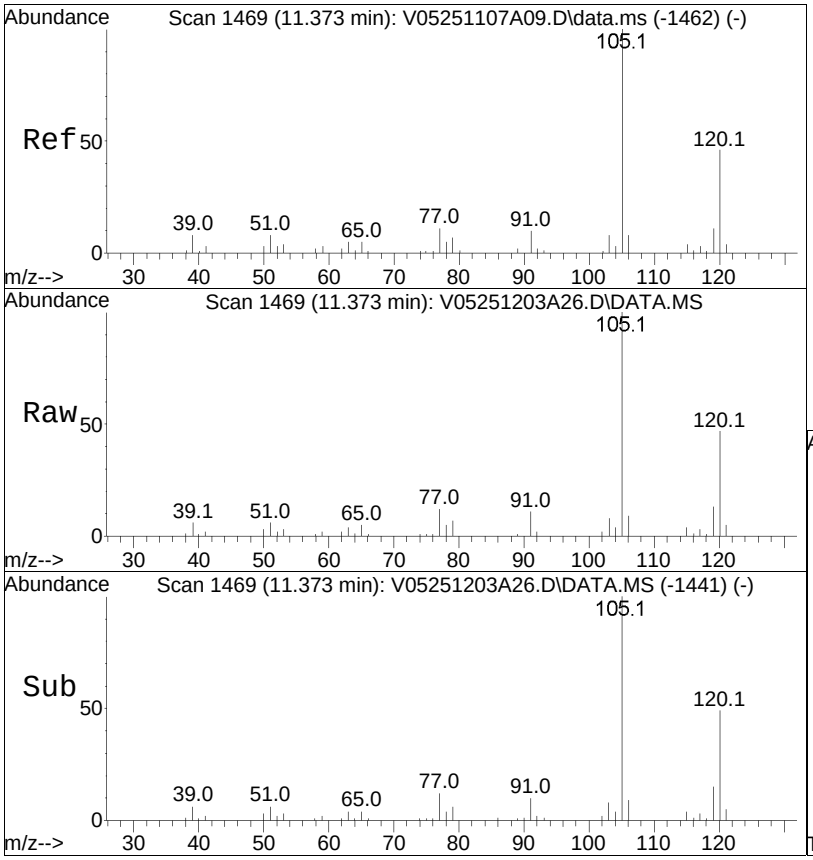


#94
tert-Butylbenzene
Concen: 9.02 ug/L
RT: 11.281 min Scan# 1456
Delta R.T. -0.007 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:119 Resp: 265928

Ion	Ratio	Lower	Upper
119	100		
91	63.6	53.8	80.6
134	25.4	19.9	29.9

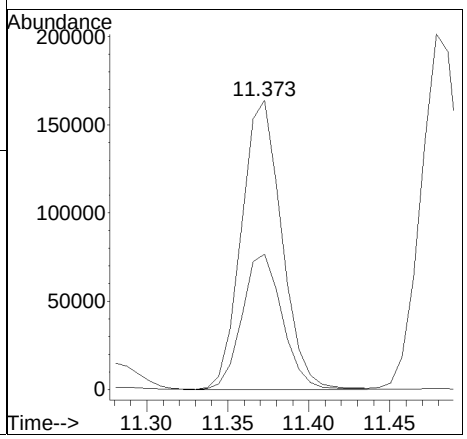


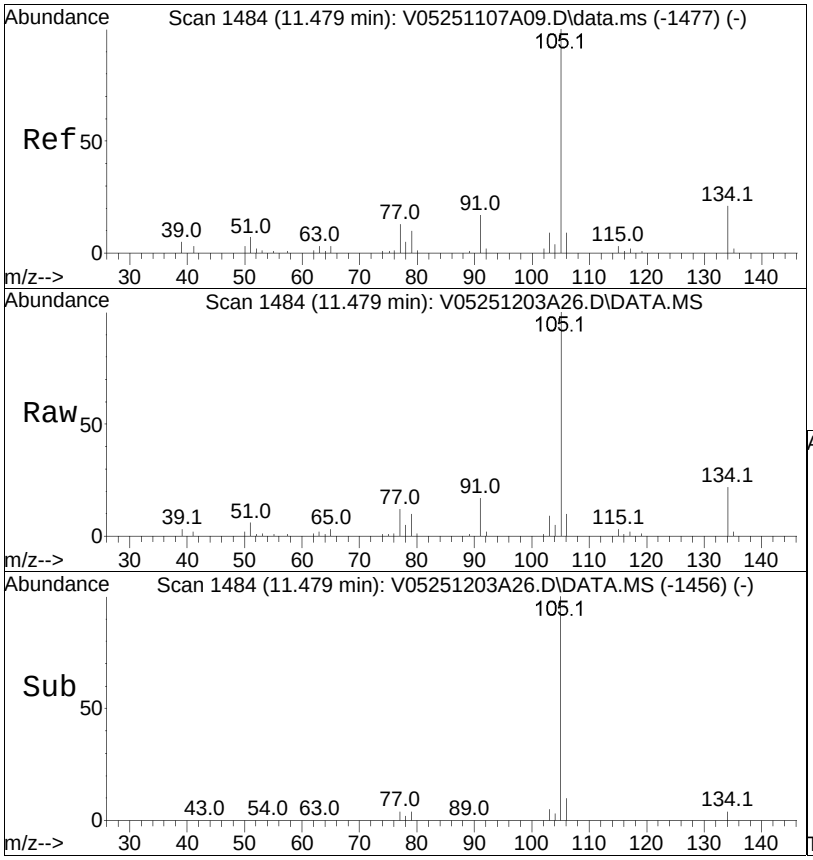


#97
1,2,4-Trimethylbenzene
Concen: 8.62 ug/L
RT: 11.373 min Scan# 1469
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:105 Resp: 283590

Ion	Ratio	Lower	Upper
105	100		
120	46.8	36.6	54.8

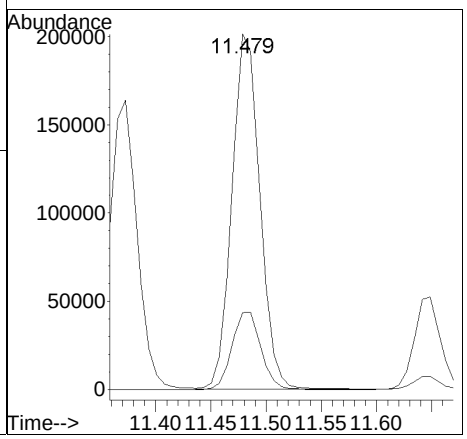


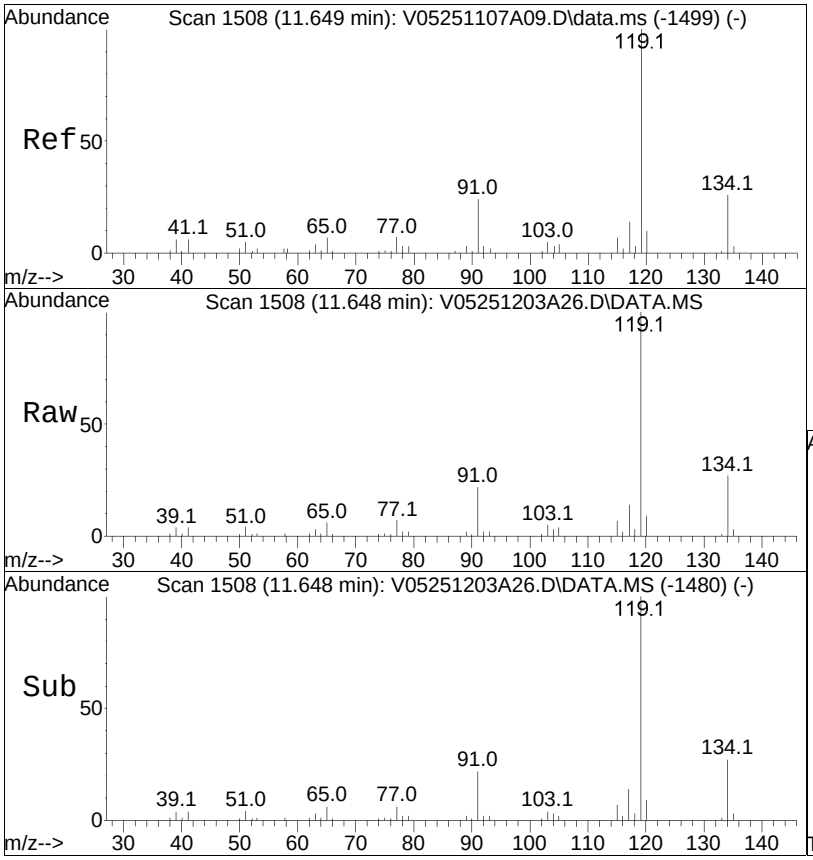


#98
sec-Butylbenzene
Concen: 8.43 ug/L
RT: 11.479 min Scan# 1484
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:105 Resp: 353930

Ion	Ratio	Lower	Upper
105	100		
134	22.3	13.7	28.5

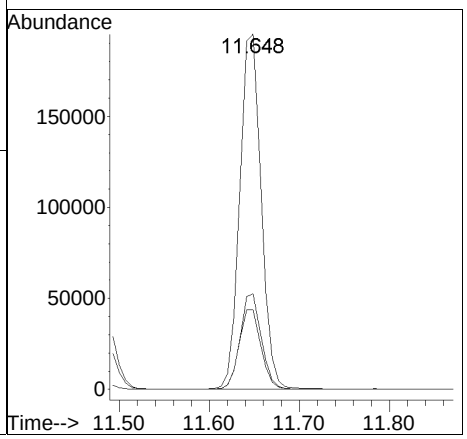


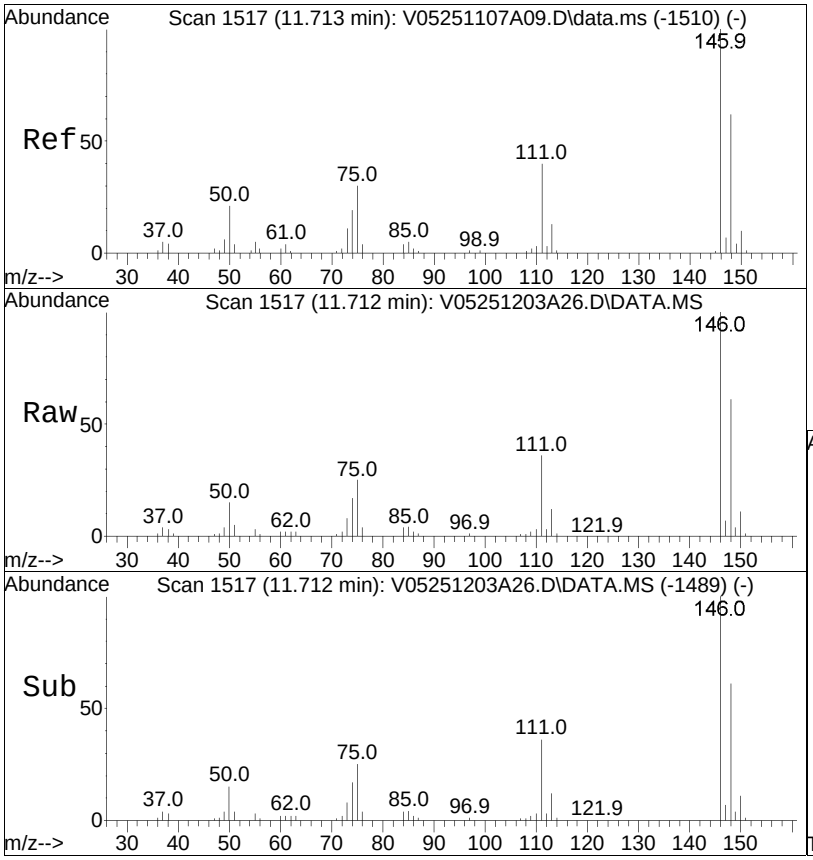


#99
p-Isopropyltoluene
Concen: 8.21 ug/L
RT: 11.648 min Scan# 1508
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:119 Resp: 324521

Ion	Ratio	Lower	Upper
119	100		
134	26.7	16.8	35.0
91	23.1	15.9	32.9

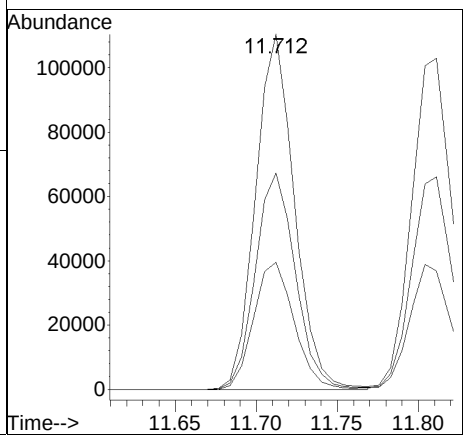


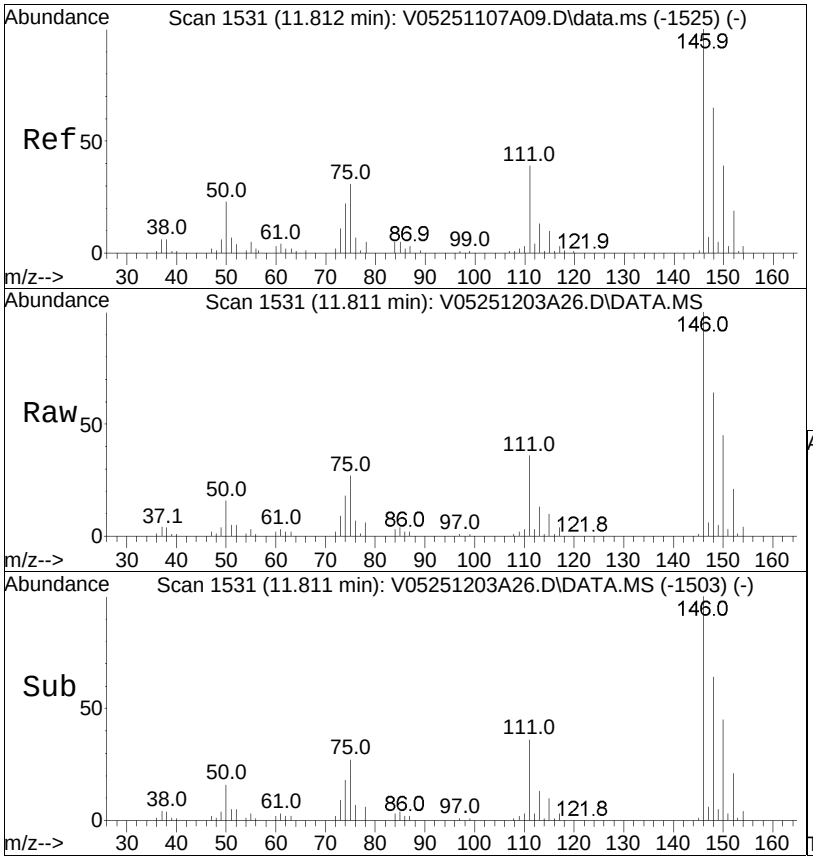


#100
1,3-Dichlorobenzene
Concen: 9.88 ug/L
RT: 11.712 min Scan# 1517
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:146 Resp: 183985

Ion	Ratio	Lower	Upper
146	100		
111	37.3	26.7	55.4
148	62.6	41.5	86.1

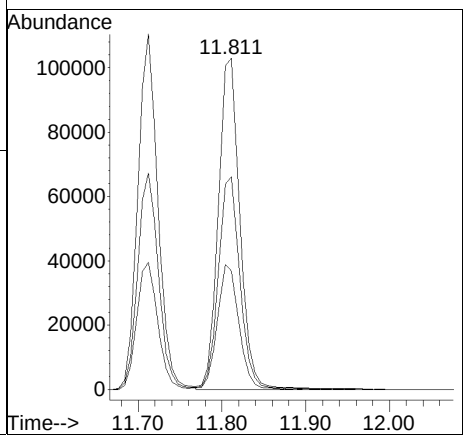


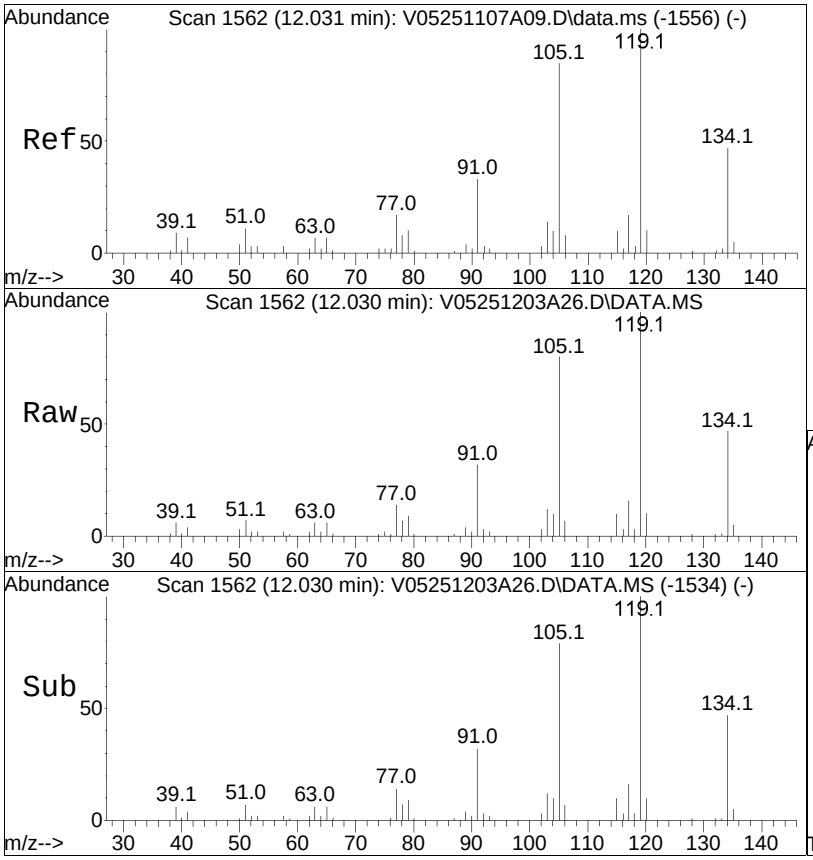


#101
1,4-Dichlorobenzene
Concen: 9.46 ug/L
RT: 11.811 min Scan# 1531
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:146 Resp: 184204

Ion	Ratio	Lower	Upper
146	100		
111	37.7	32.2	48.4
148	64.3	51.7	77.5

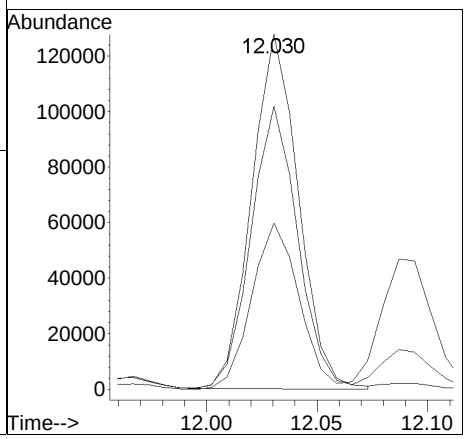


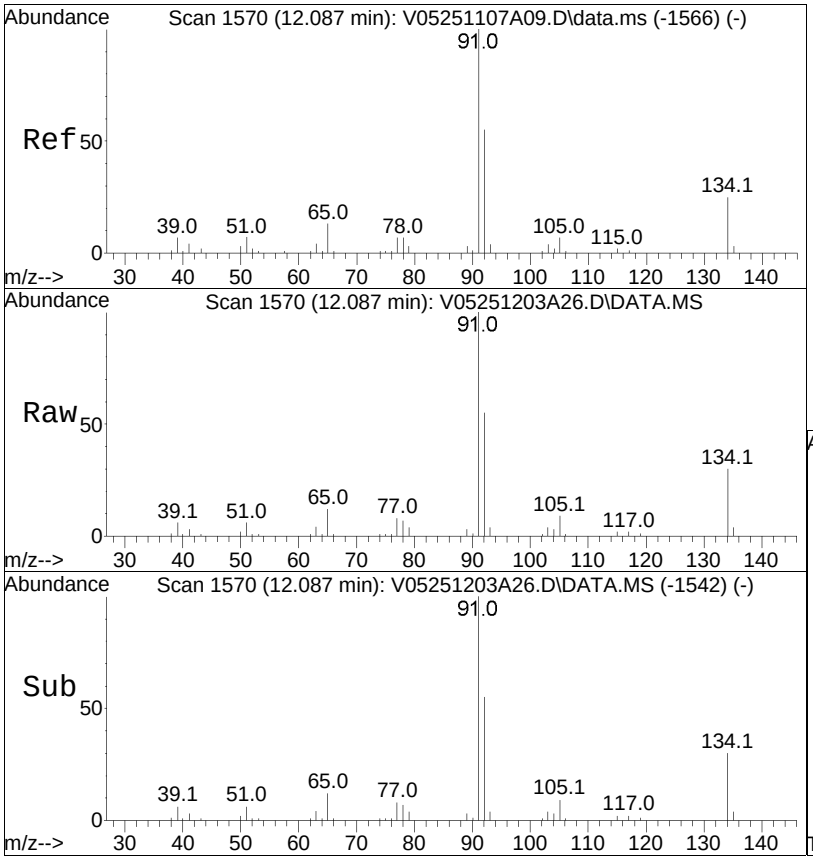


#102
p-Diethylbenzene
Concen: 8.49 ug/L
RT: 12.030 min Scan# 1562
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:119 Resp: 188178

Ion	Ratio	Lower	Upper
119	100		
105	80.0	53.8	111.6
134	47.3	30.0	62.2

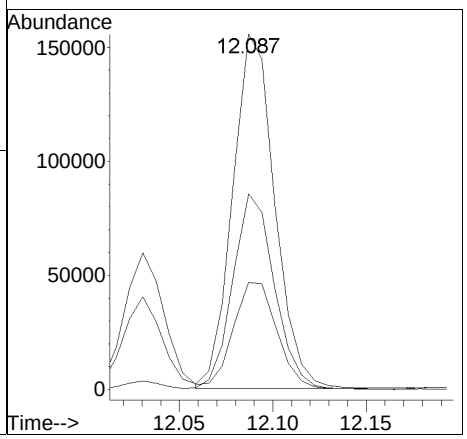


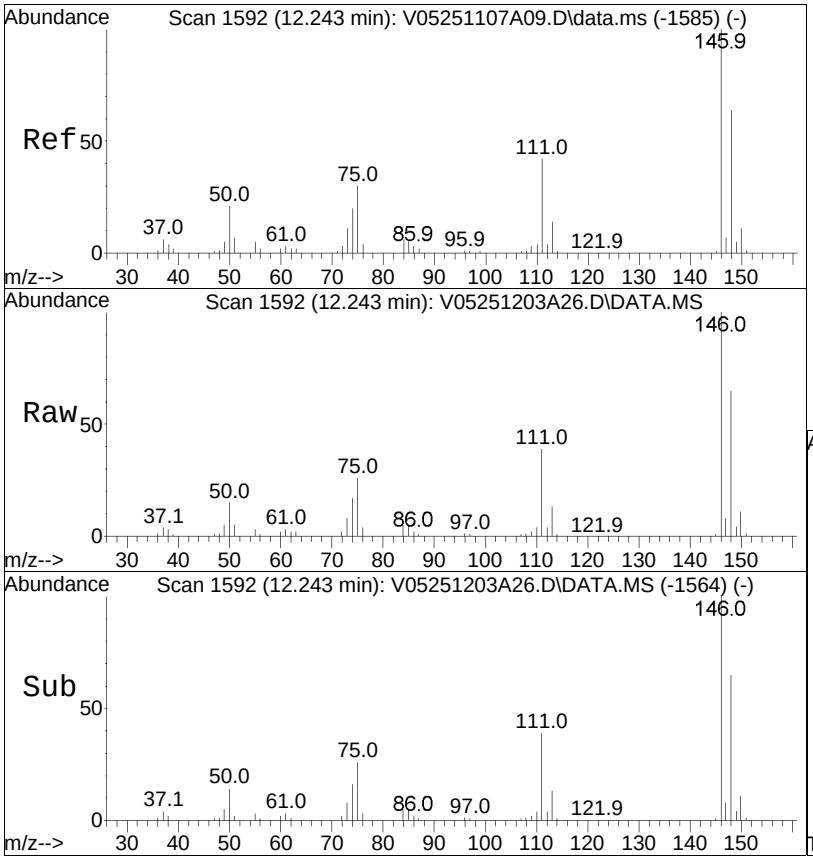


#103
n-Butylbenzene
Concen: 7.64 ug/L
RT: 12.087 min Scan# 1570
Delta R.T. 0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion: 91 Resp: 243042

Ion	Ratio	Lower	Upper
91	100		
92	55.0	43.3	64.9
134	31.9	21.6	32.4

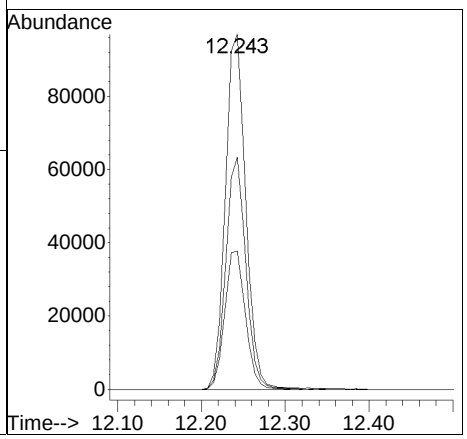


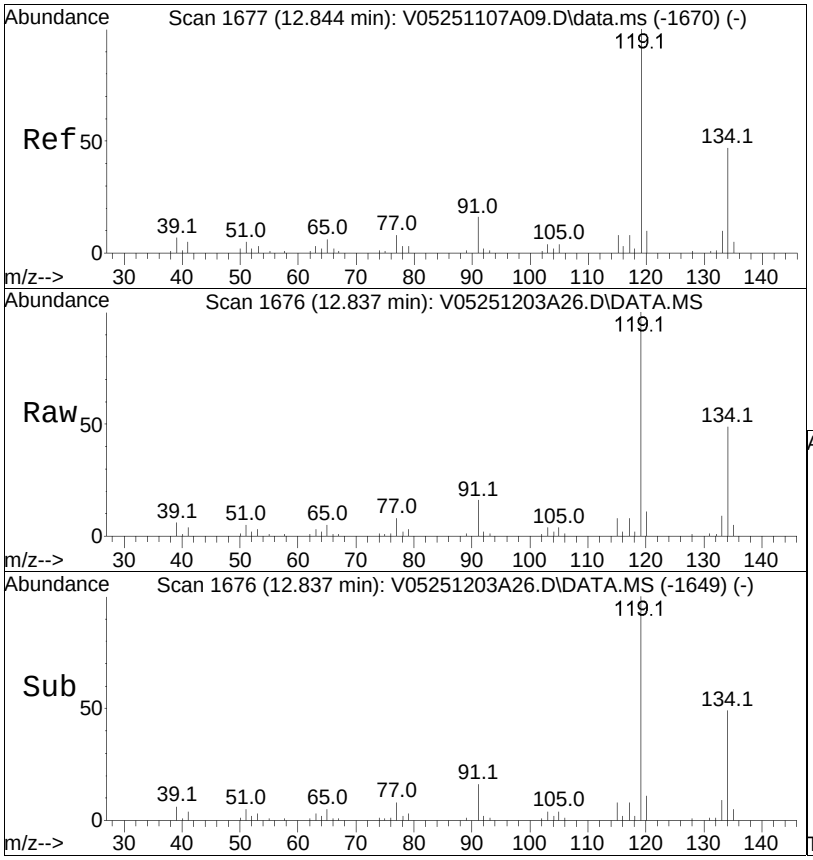


#104
1,2-Dichlorobenzene
Concen: 9.87 ug/L
RT: 12.243 min Scan# 1592
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:146 Resp: 164650

Ion	Ratio	Lower	Upper
146	100		
111	39.5	27.7	57.5
148	63.8	40.9	84.9

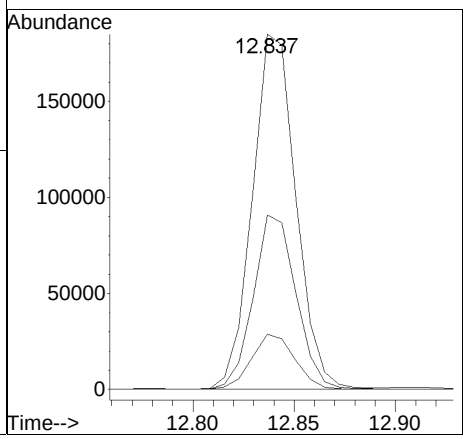


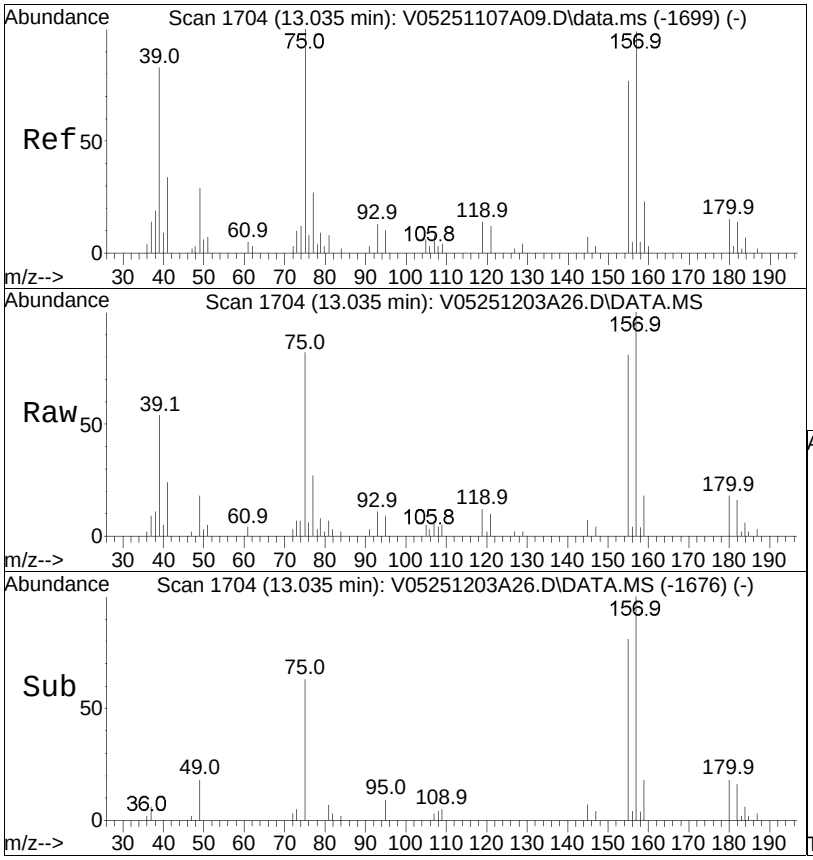


#105
1,2,4,5-Tetramethylbenzene
Concen: 8.75 ug/L
RT: 12.837 min Scan# 1676
Delta R.T. -0.007 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:119 Resp: 276468

Ion	Ratio	Lower	Upper
119	100		
134	48.6	30.9	64.3
91	15.3	10.7	22.3

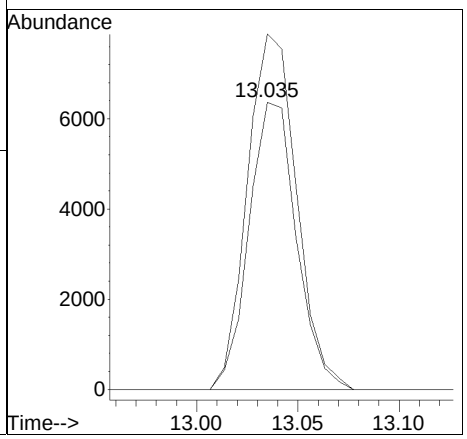


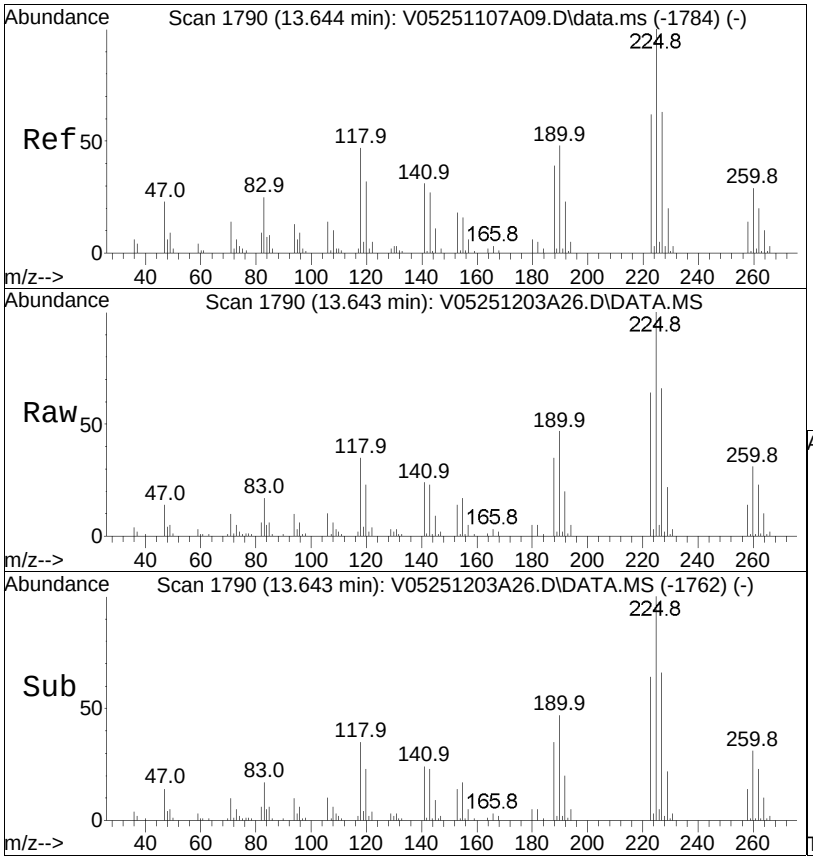


#106
1,2-Dibromo-3-chloropropane
Concen: 10.79 ug/L
RT: 13.035 min Scan# 1704
Delta R.T. -0.000 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:155 Resp: 10415

Ion	Ratio	Lower	Upper
155	100		
157	128.0	103.2	154.8

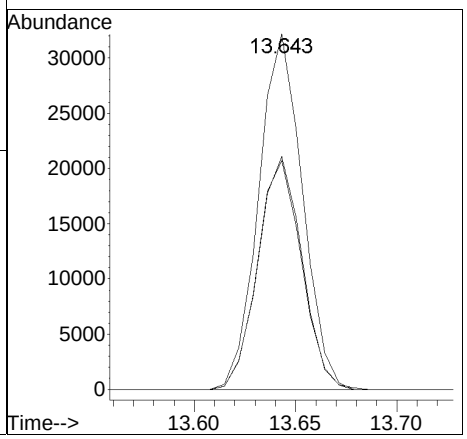


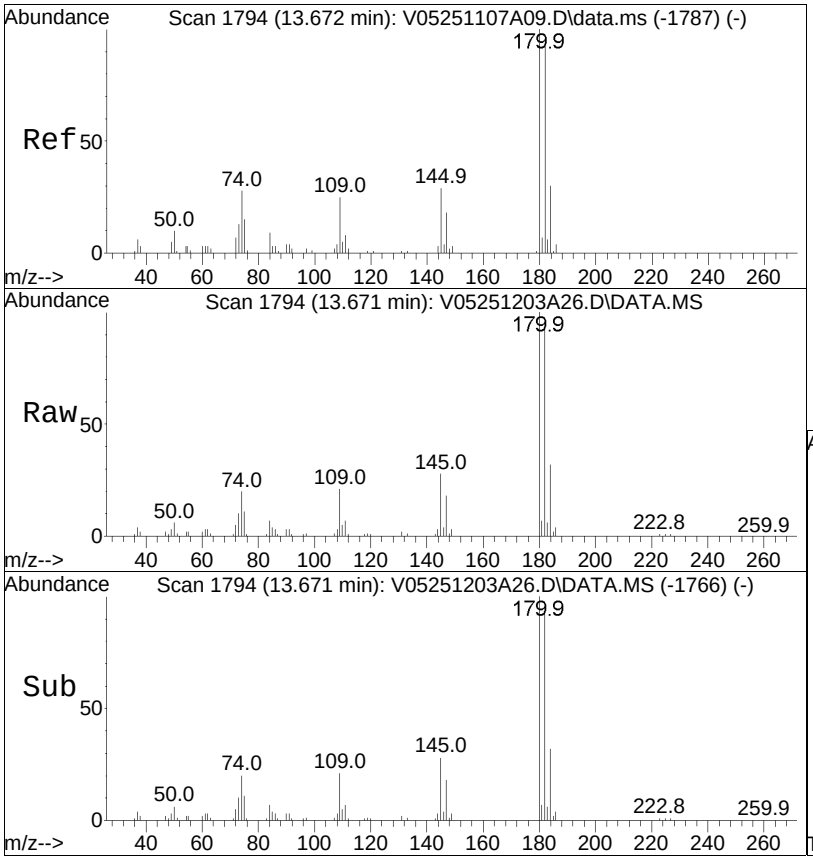


#108
Hexachlorobutadiene
Concen: 10.36 ug/L
RT: 13.643 min Scan# 1790
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:225 Resp: 48328

Ion	Ratio	Lower	Upper
225	100		
223	64.8	49.8	74.6
227	65.8	51.1	76.7

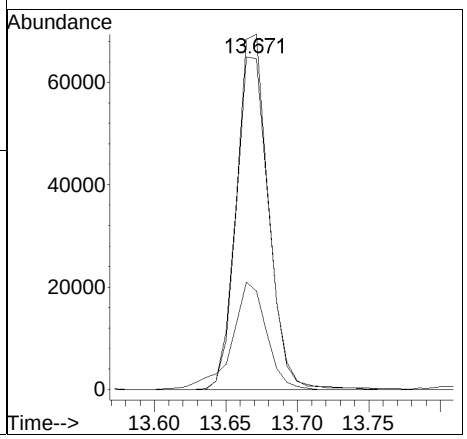


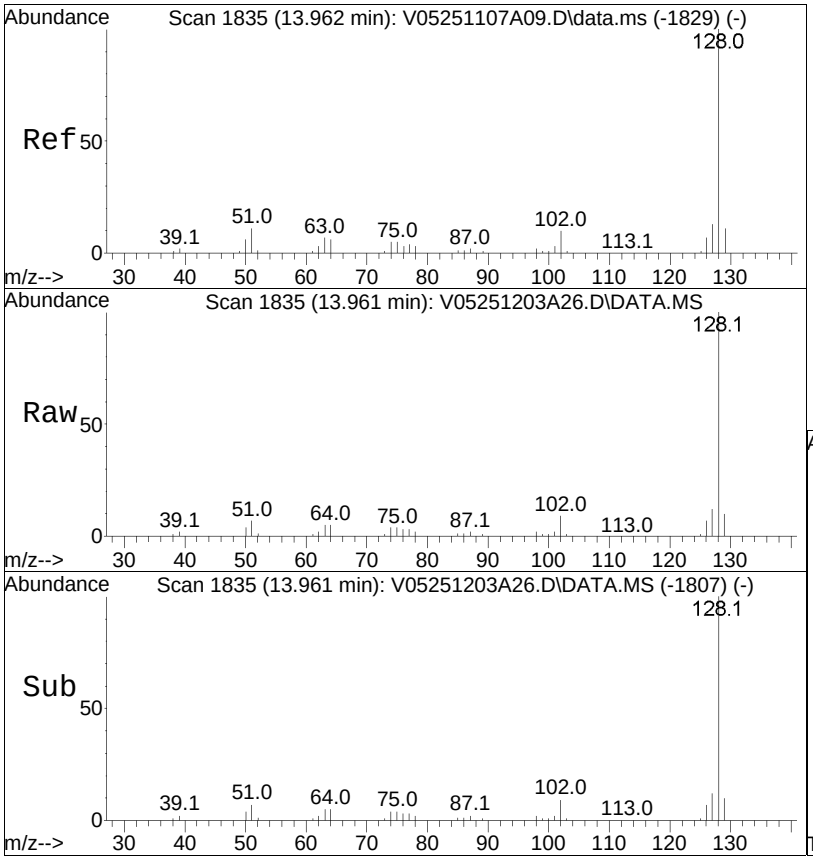


#109
1,2,4-Trichlorobenzene
Concen: 10.67 ug/L
RT: 13.671 min Scan# 1794
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:180 Resp: 108054

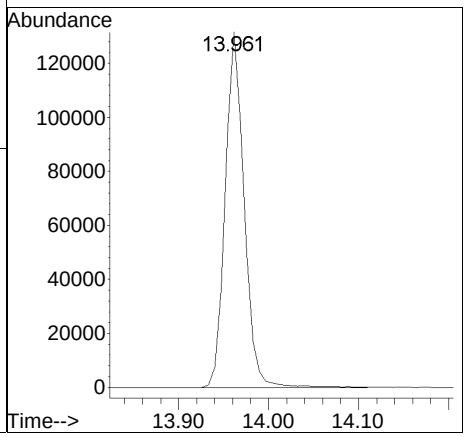
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.1	114.1
145	32.6	28.2	42.2

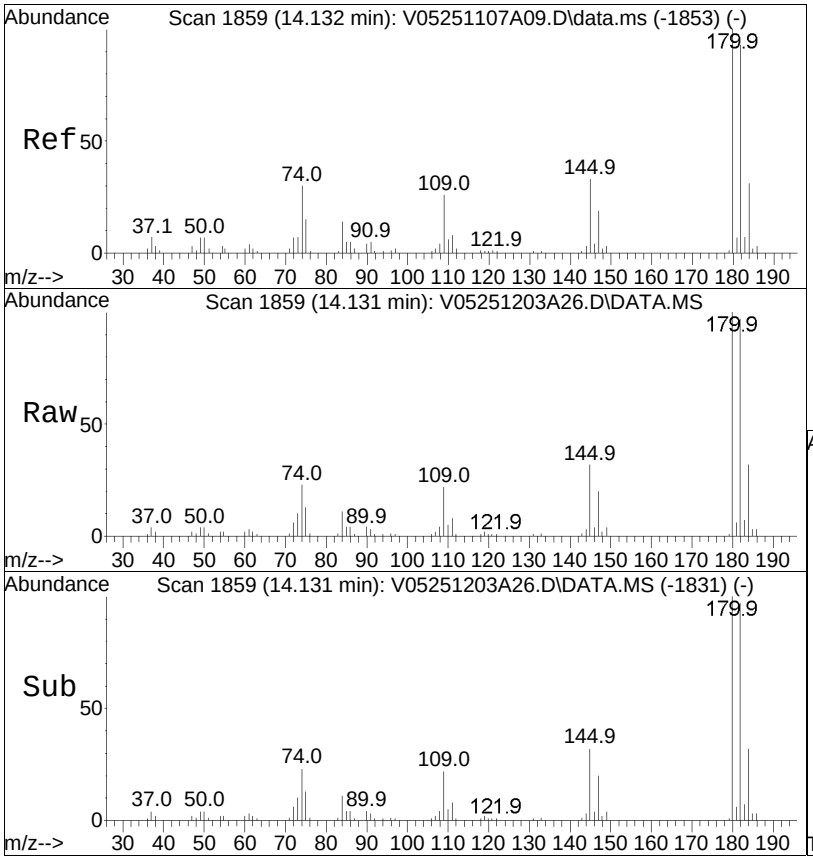




#110
Naphthalene
Concen: 10.21 ug/L
RT: 13.961 min Scan# 1835
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:128 Resp: 192250

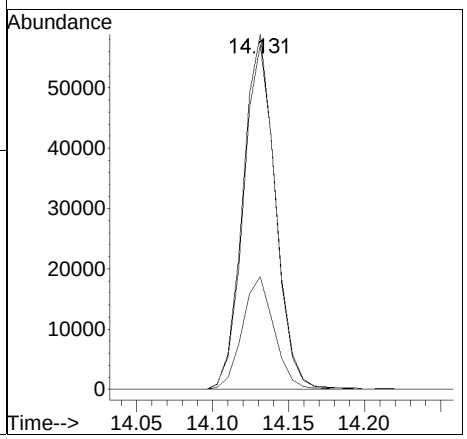




#111
1,2,3-Trichlorobenzene
Concen: 10.71 ug/L
RT: 14.131 min Scan# 1859
Delta R.T. -0.001 min
Lab File: V05251203A26.D
Acq: 3 Dec 2025 7:35 pm

Tgt Ion:180 Resp: 86807

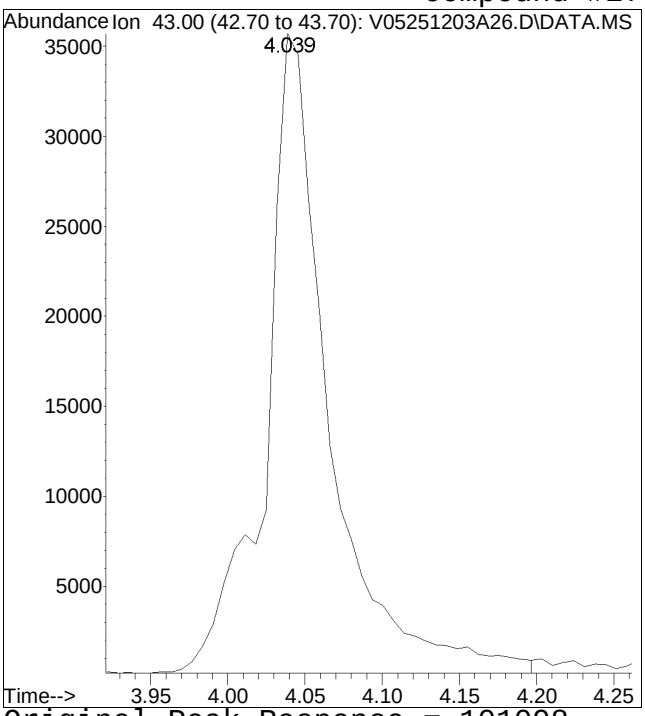
Ion	Ratio	Lower	Upper
180	100		
182	97.6	75.8	113.6
145	31.5	26.7	40.1



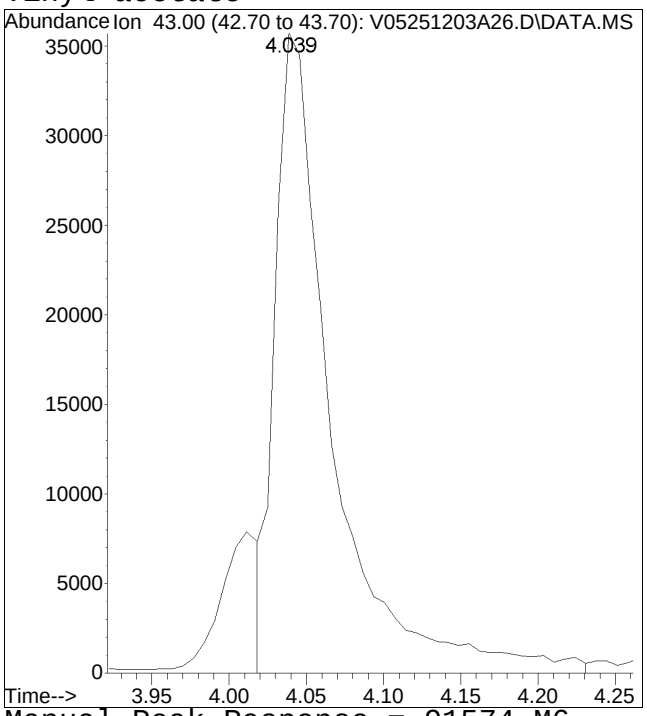
Manual Integration Report

Data Path	: K:\VOA105\2025\251203A\	QMethod	: V105_251107A_8260.m
Data File	: V05251203A26.D	Operator	: VOA105:BAD
Date Inj'd	: 12/3/2025 7:35 pm	Instrument	: VOA105
Sample	: WG2149674-6,31,10,10,,A1	Quant Date	: 12/4/2025 12:15 pm

Compound #27: Vinyl acetate



Original Peak Response = 101098



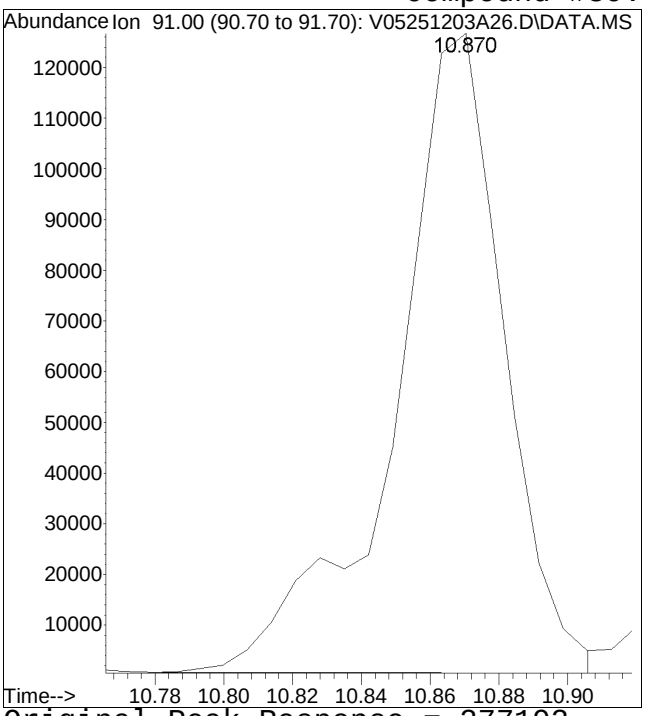
Manual Peak Response = 91574 M6

M6 = Misassignment of peak valley

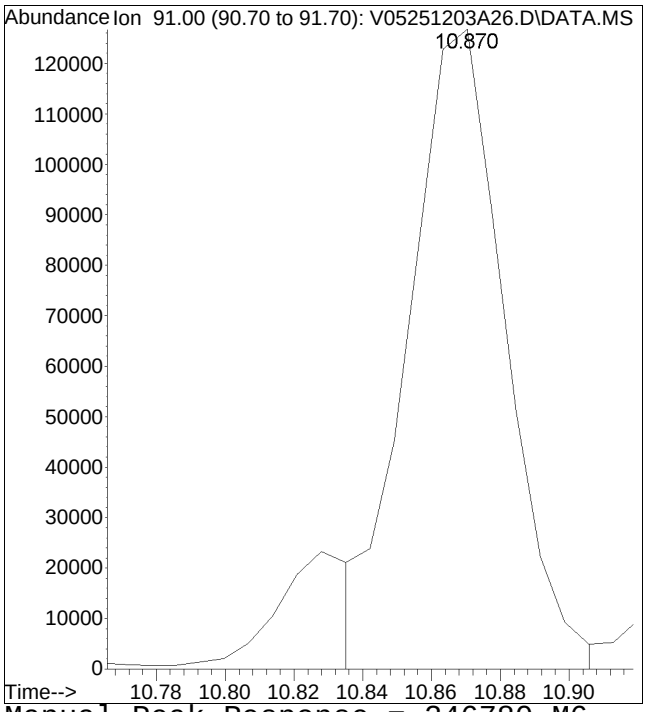
Manual Integration Report

Data Path : K:\VOA105\2025\251203A\ QMethod : V105_251107A_8260.m
Data File : V05251203A26.D Operator : VOA105:BAD
Date Inj'd : 12/3/2025 7:35 pm Instrument : VOA105
Sample : WG2149674-6,31,10,10,,A1 Quant Date : 12/4/2025 12:15 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 277192



Manual Peak Response = 246780 M6

M6 = Misassignment of peak valley

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A27.D
Acq On : 3 Dec 2025 8:01 pm
Operator : VOA105:BAD
Sample : WG2149674-7,31,10,10,,A2
Misc : WG2149674,ICAL22802
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 04 13:01:09 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.513	96	282648	10.000	ug/L	0.00
Standard Area 1 = 383158			Recovery = 73.77%			
59) Chlorobenzene-d5	8.984	117	229064	10.000	ug/L	0.00
Standard Area 1 = 313563			Recovery = 73.05%			
79) 1,4-Dichlorobenzene-d4	11.790	152	154215	10.000	ug/L	0.00
Standard Area 1 = 191277			Recovery = 80.62%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.739	113	79179	10.156	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.56%			
43) 1,2-Dichloroethane-d4	5.238	65	97785	10.013	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.13%			
60) Toluene-d8	7.164	98	271670	9.378	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.78%			
83) 4-Bromofluorobenzene	10.531	95	114467	8.652	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.52%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.430	85	88508	9.334	ug/L	97
3) Chloromethane	1.602	50	76517	6.038	ug/L	98
4) Vinyl chloride	1.657	62	74201	7.662	ug/L	95
5) Bromomethane	1.924	94	16133	4.585	ug/L	100
6) Chloroethane	2.021	64	52306	9.492	ug/L	100
7) Trichlorofluoromethane	2.144	101	124485	10.648	ug/L	100
8) Ethyl ether	2.419	74	29939	9.755	ug/L	77
10) 1,1-Dichloroethene	2.590	96	60958	10.731	ug/L	79
11) Carbon disulfide	2.618	76	192474	9.680	ug/L	99
15) Methylene chloride	3.112	84	64550	9.324	ug/L	71
17) Acetone	3.174	43	10909	7.566	ug/L	90
18) trans-1,2-Dichloroethene	3.249	96	67661	9.898	ug/L	85
20) Methyl tert-butyl ether	3.345	73	156615	10.401	ug/L	87
23) 1,1-Dichloroethane	3.805	63	131473	8.535	ug/L	98
25) Acrylonitrile	3.881	53	15092	7.661	ug/L	96
27) Vinyl acetate	4.039	43	82133M6	5.448	ug/L	
28) cis-1,2-Dichloroethene	4.306	96	76967	10.051	ug/L	87
29) 2,2-Dichloropropane	4.395	77	104765	9.772	ug/L	87
30) Bromochloromethane	4.492	128	37313	11.541	ug/L #	63
32) Chloroform	4.560	83	249441	18.736	ug/L	95
34) Carbon tetrachloride	4.670	117	110664	10.095	ug/L	99

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A27.D
Acq On : 3 Dec 2025 8:01 pm
Operator : VOA105:BAD
Sample : WG2149674-7,31,10,10,,A2
Misc : WG2149674,ICAL22802
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 04 13:01:09 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 1,1,1-Trichloroethane	4.739	97	125550	10.676	ug/L		96
39) 2-Butanone	4.855	43	14170	6.662	ug/L	#	86
40) 1,1-Dichloropropene	4.862	75	83806	9.068	ug/L		97
41) Benzene	5.097	78	261355	9.156	ug/L		94
44) 1,2-Dichloroethane	5.308	62	98665	9.628	ug/L		100
48) Trichloroethene	5.682	95	83019	10.653	ug/L		95
50) Dibromomethane	6.120	93	37761	10.135	ug/L	#	84
51) 1,2-Dichloropropane	6.211	63	62990	7.789	ug/L	#	92
54) Bromodichloromethane	6.296	83	93900	9.686	ug/L		91
57) 1,4-Dioxane	6.508	88	15611	480.362	ug/L		86
58) cis-1,3-Dichloropropene	6.973	75	92483	8.496	ug/L		91
61) Toluene	7.220	92	155975	8.608	ug/L		100
62) 4-Methyl-2-pentanone	7.665	58	13532	7.792	ug/L	#	76
63) Tetrachloroethene	7.658	166	103790	13.363	ug/L		93
65) trans-1,3-Dichloropropene	7.721	75	82020	8.627	ug/L		89
67) Ethyl methacrylate	7.905	69	50334	8.480	ug/L		97
68) 1,1,2-Trichloroethane	7.898	83	38696	9.136	ug/L		95
69) Chlorodibromomethane	8.102	129	71062	10.551	ug/L		99
70) 1,3-Dichloropropane	8.208	76	80542	8.676	ug/L		98
71) 1,2-Dibromoethane	8.363	107	51539	10.377	ug/L		99
72) 2-Hexanone	8.674	43	19120	6.456	ug/L	#	86
73) Chlorobenzene	9.005	112	182185	8.999	ug/L		93
74) Ethylbenzene	9.041	91	302633	8.535	ug/L		97
75) 1,1,1,2-Tetrachloroethane	9.090	131	75624	10.374	ug/L		99
76) p/m Xylene	9.231	106	233480	17.710	ug/L		97
77) o Xylene	9.775	106	231683	18.333	ug/L		96
78) Styrene	9.845	104	378775	18.347	ug/L		99
80) Bromoform	9.873	173	45789	9.918	ug/L		100
82) Isopropylbenzene	10.184	105	320770	7.677	ug/L		98
84) Bromobenzene	10.644	156	90515	9.284	ug/L		99
85) n-Propylbenzene	10.693	91	388726	7.746	ug/L		95
86) 1,4-Dichlorobutane	10.722	55	93274	6.941	ug/L		94
87) 1,1,2,2-Tetrachloroethane	10.806	83	53580	8.003	ug/L		96
88) 4-Ethyltoluene	10.828	105	309223	7.613	ug/L		99
89) 2-Chlorotoluene	10.870	91	214252M6	7.143	ug/L		
90) 1,3,5-Trimethylbenzene	10.934	105	266006	7.635	ug/L		98
91) 1,2,3-Trichloropropane	10.941	75	45579	7.881	ug/L		91
92) trans-1,4-Dichloro-2-b...	11.012	53	11885	5.072	ug/L	#	83
93) 4-Chlorotoluene	11.061	91	223972	7.245	ug/L		95
94) tert-Butylbenzene	11.280	119	227255	7.582	ug/L		97

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A27.D
Acq On : 3 Dec 2025 8:01 pm
Operator : VOA105:BAD
Sample : WG2149674-7,31,10,10,,A2
Misc : WG2149674,ICAL22802
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 04 13:01:09 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\251203A\V05251203A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	11.372	105	251755	7.526	ug/L	99
98) sec-Butylbenzene	11.485	105	300282	7.036	ug/L	97
99) p-Isopropyltoluene	11.648	119	275647	6.918	ug/L	98
100) 1,3-Dichlorobenzene	11.712	146	165859	8.763	ug/L	98
101) 1,4-Dichlorobenzene	11.811	146	167275	8.458	ug/L	98
102) p-Diethylbenzene	12.030	119	158336	7.031	ug/L	97
103) n-Butylbenzene	12.087	91	205346	6.353	ug/L	97
104) 1,2-Dichlorobenzene	12.242	146	153243	9.040	ug/L	97
105) 1,2,4,5-Tetramethylben...	12.836	119	247762	7.721	ug/L	98
106) 1,2-Dibromo-3-chloropr...	13.035	155	10463	10.672	ug/L	97
108) Hexachlorobutadiene	13.643	225	40819	8.613	ug/L	98
109) 1,2,4-Trichlorobenzene	13.671	180	98037	9.531	ug/L	98
110) Naphthalene	13.961	128	187098	9.775	ug/L	100
111) 1,2,3-Trichlorobenzene	14.131	180	84160	10.222	ug/L	97

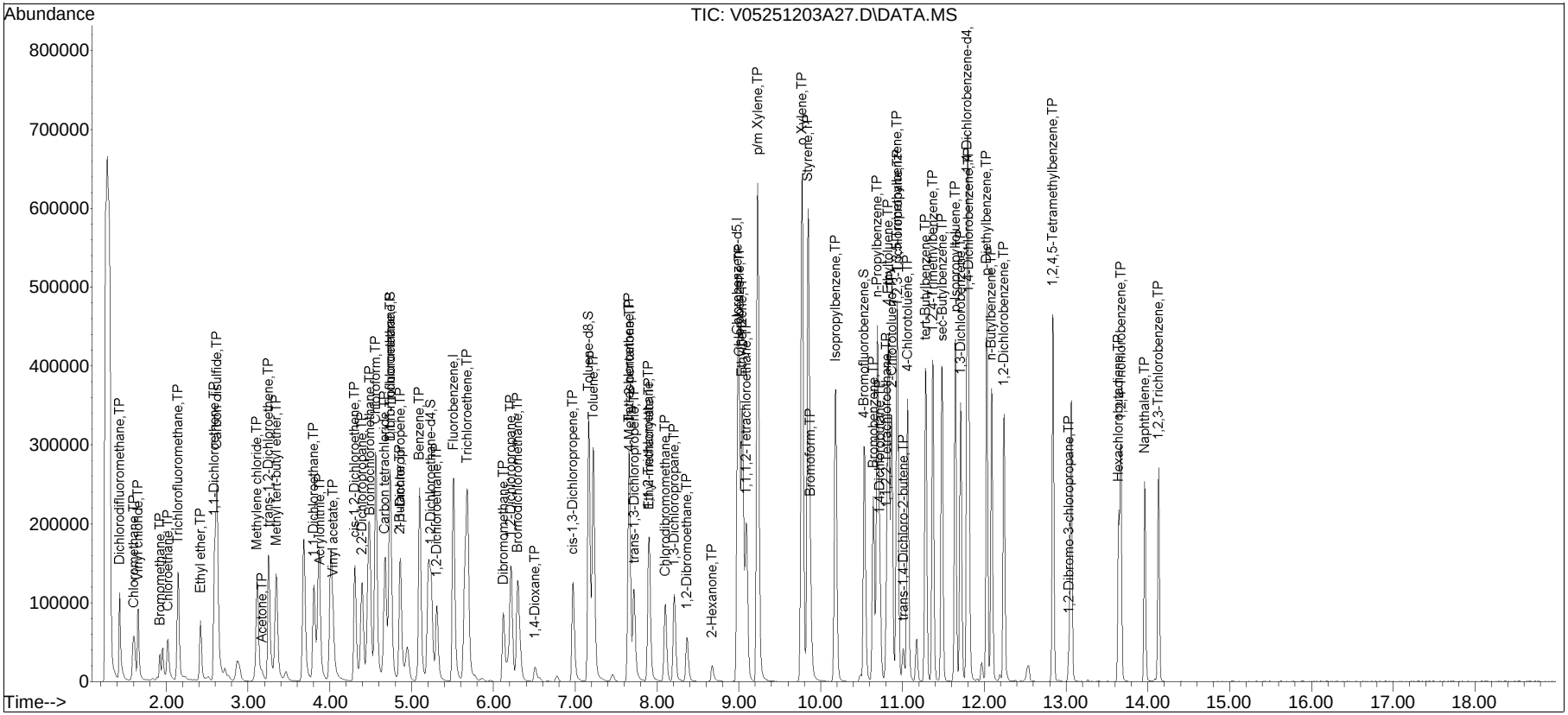
(#) = qualifier out of range (m) = manual integration (+) = signals summed

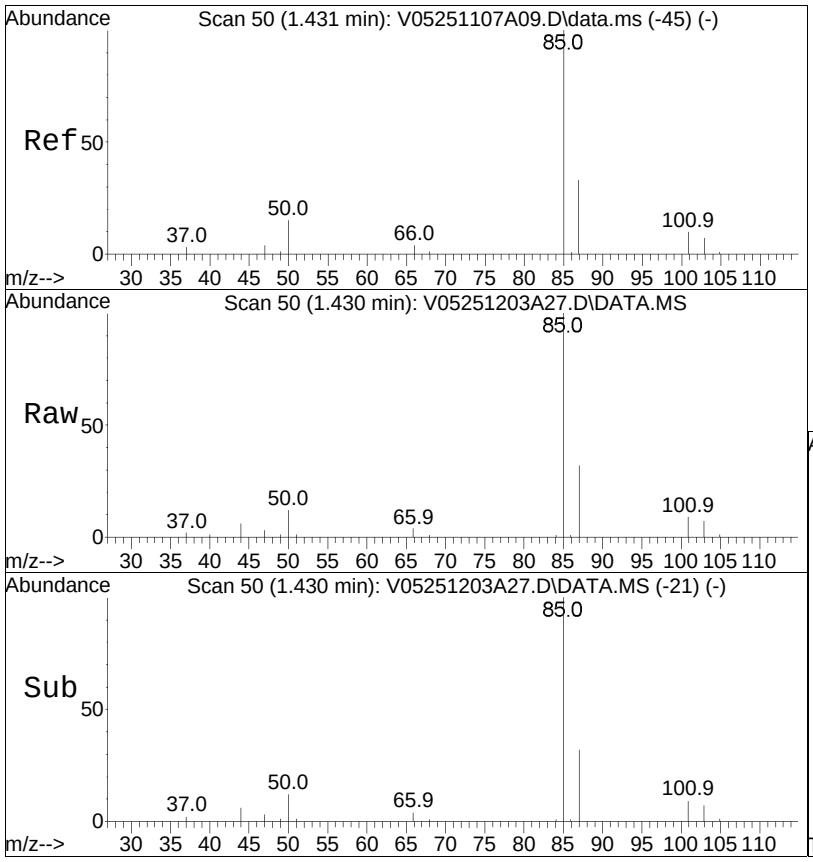
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\251203A\
Data File : V05251203A27.D
Acq On : 3 Dec 2025 8:01 pm
Operator : VOA105:BAD
Sample : WG2149674-7,31,10,10,,A2
Misc : WG2149674,ICAL22802
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 04 13:01:09 2025
Quant Method : K:\VOA105\2025\251203A\V105_251107A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 10 11:59:59 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox251203A01.D•

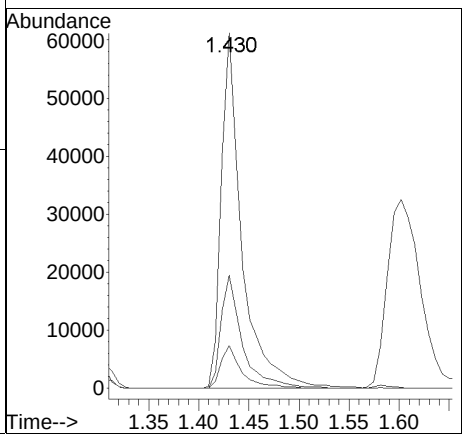


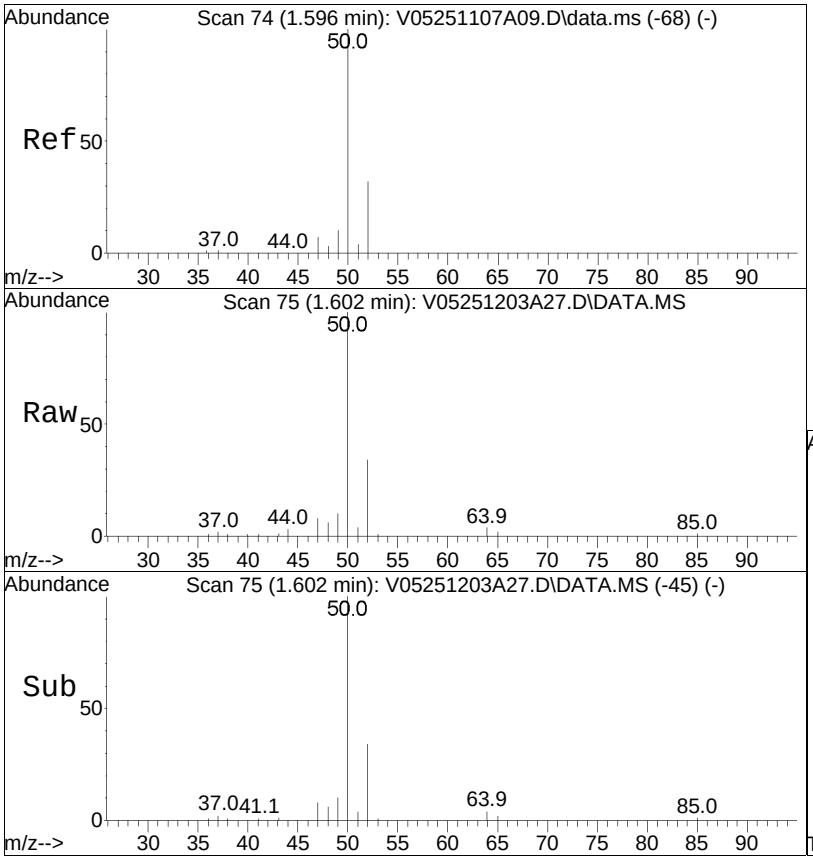


#2
Dichlorodifluoromethane
Concen: 9.33 ug/L
RT: 1.430 min Scan# 50
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 85 Resp: 88508

Ion	Ratio	Lower	Upper
85	100		
87	32.8	20.6	42.8
50	12.2	9.2	19.2

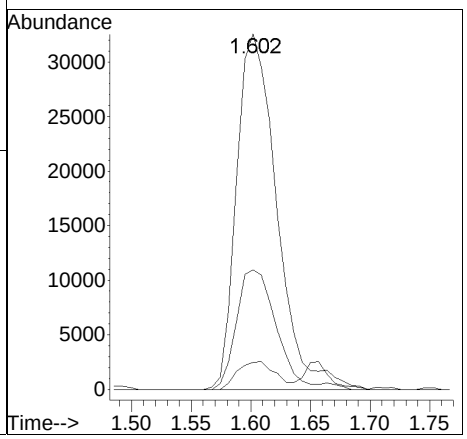


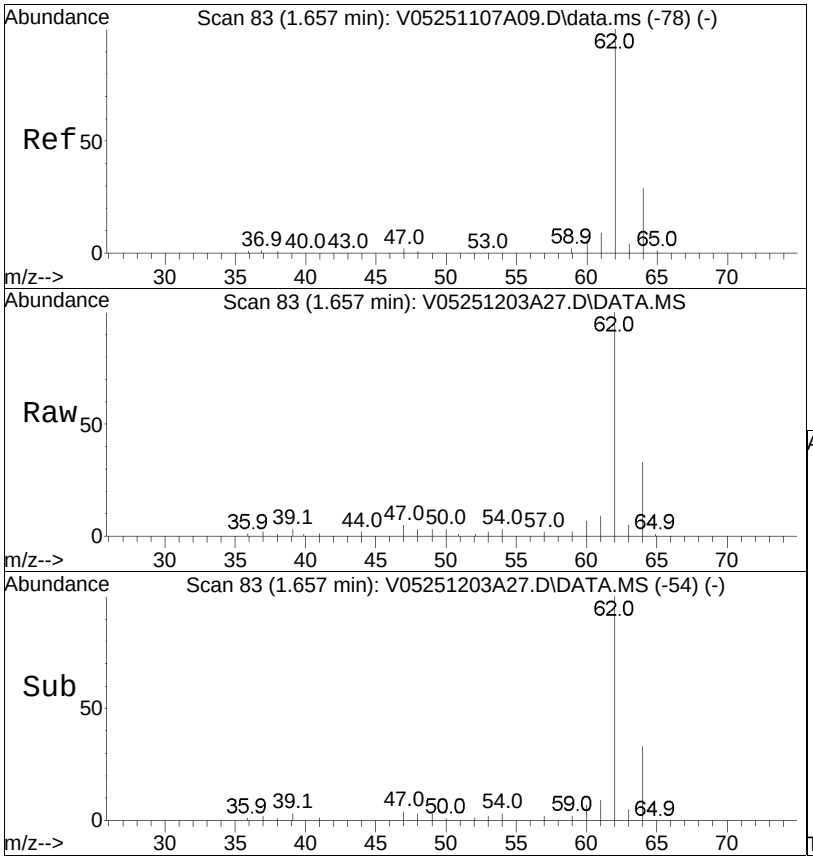


#3
Chloromethane
Concen: 6.04 ug/L
RT: 1.602 min Scan# 75
Delta R.T. 0.006 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 50 Resp: 76517

Ion	Ratio	Lower	Upper
50	100		
52	33.6	12.1	52.1
47	7.6	0.0	27.2

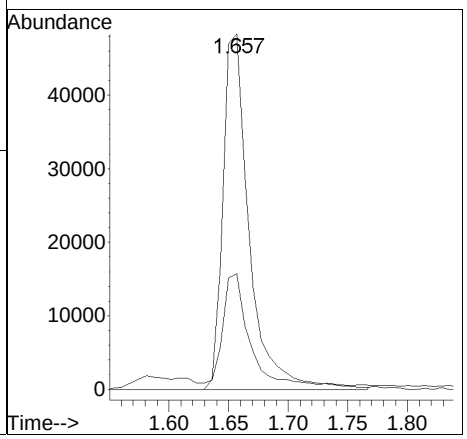


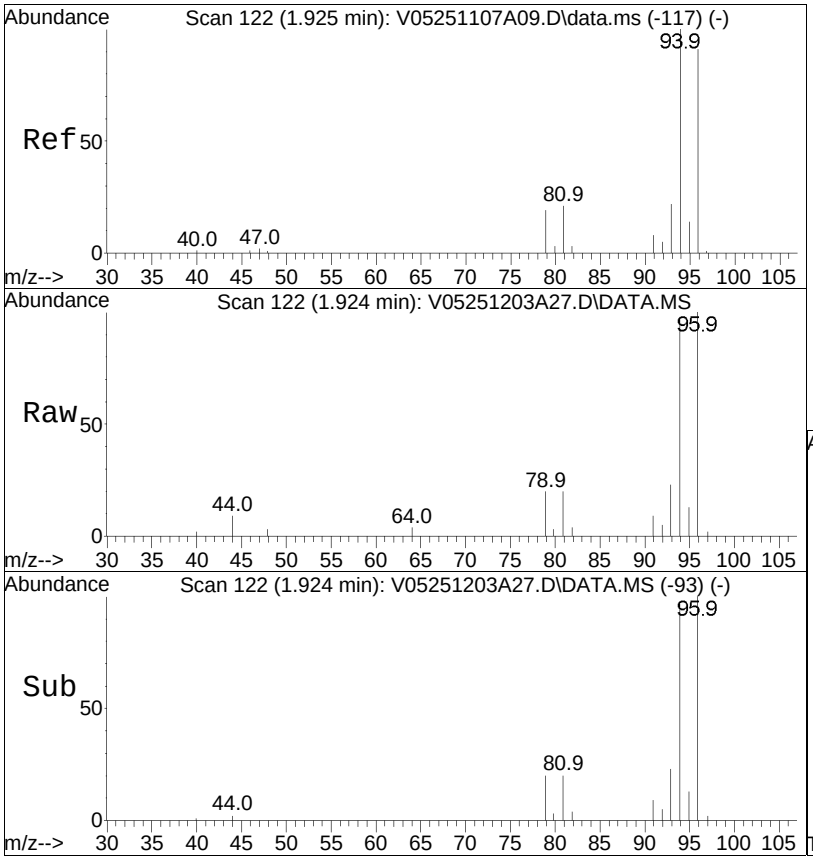


#4
Vinyl chloride
Concen: 7.66 ug/L
RT: 1.657 min Scan# 83
Delta R.T. -0.000 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 62 Resp: 74201

Ion	Ratio	Lower	Upper
62	100		
64	32.4	9.9	49.9

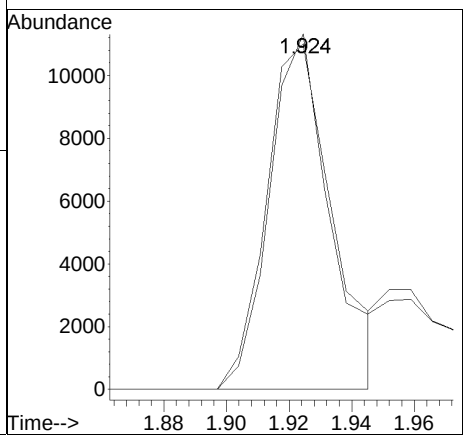


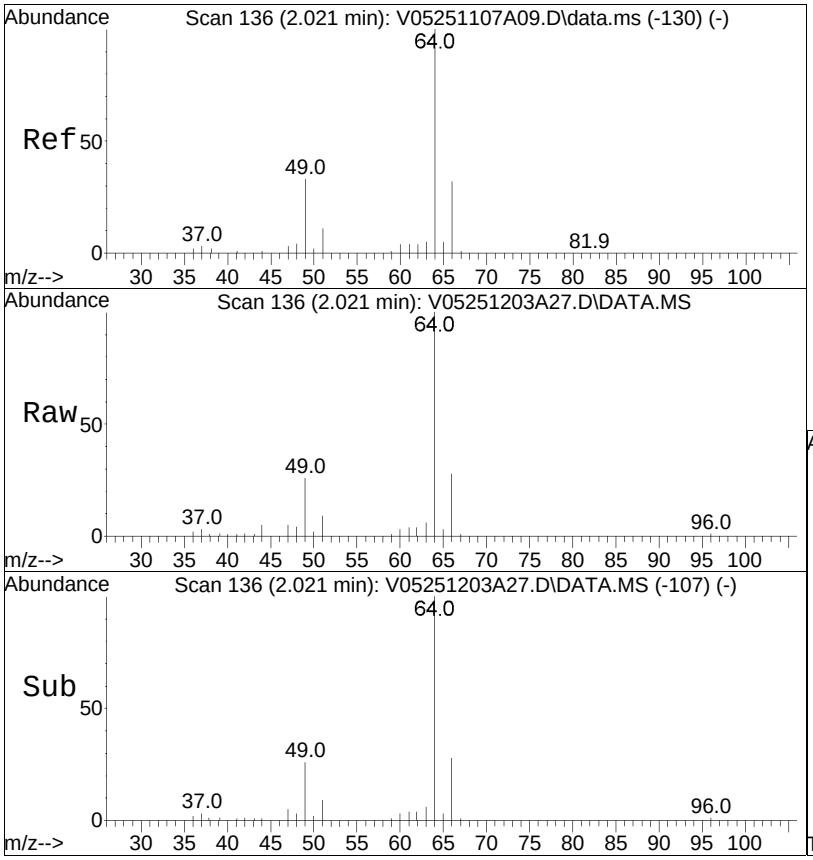


#5
Bromomethane
Concen: 4.58 ug/L
RT: 1.924 min Scan# 122
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 94 Resp: 16133

Ion	Ratio	Lower	Upper
94	100		
96	94.2	73.9	113.9

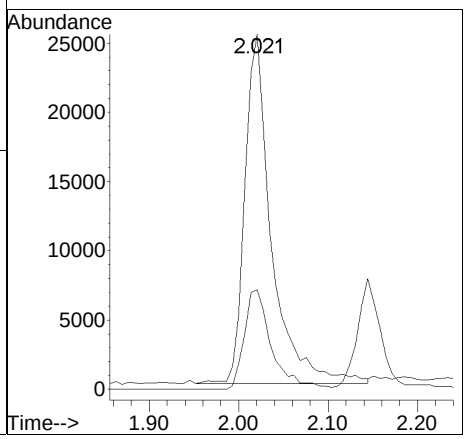


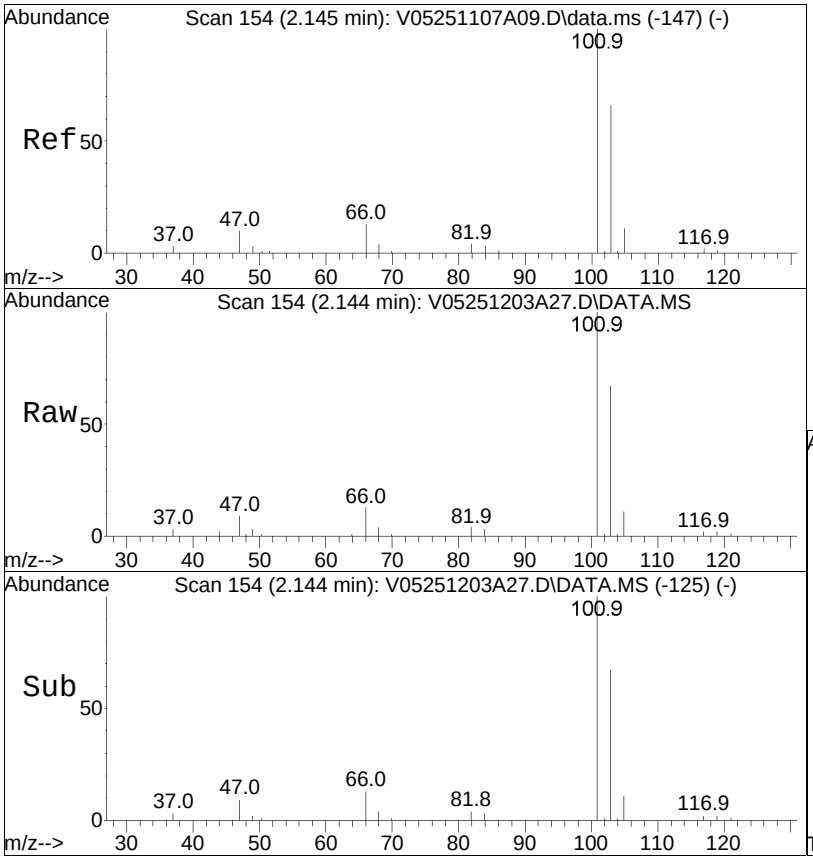


#6
Chloroethane
Concen: 9.49 ug/L
RT: 2.021 min Scan# 136
Delta R.T. -0.000 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 64 Resp: 52306

Ion	Ratio	Lower	Upper
64	100		
66	29.3	9.5	49.5

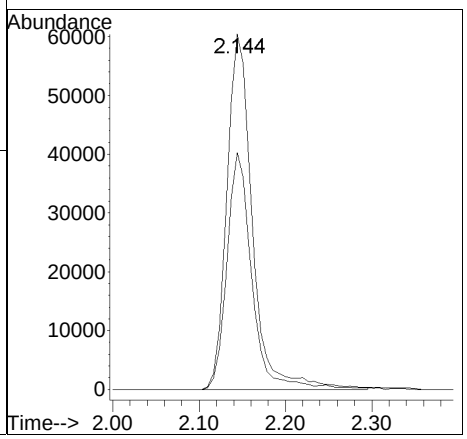


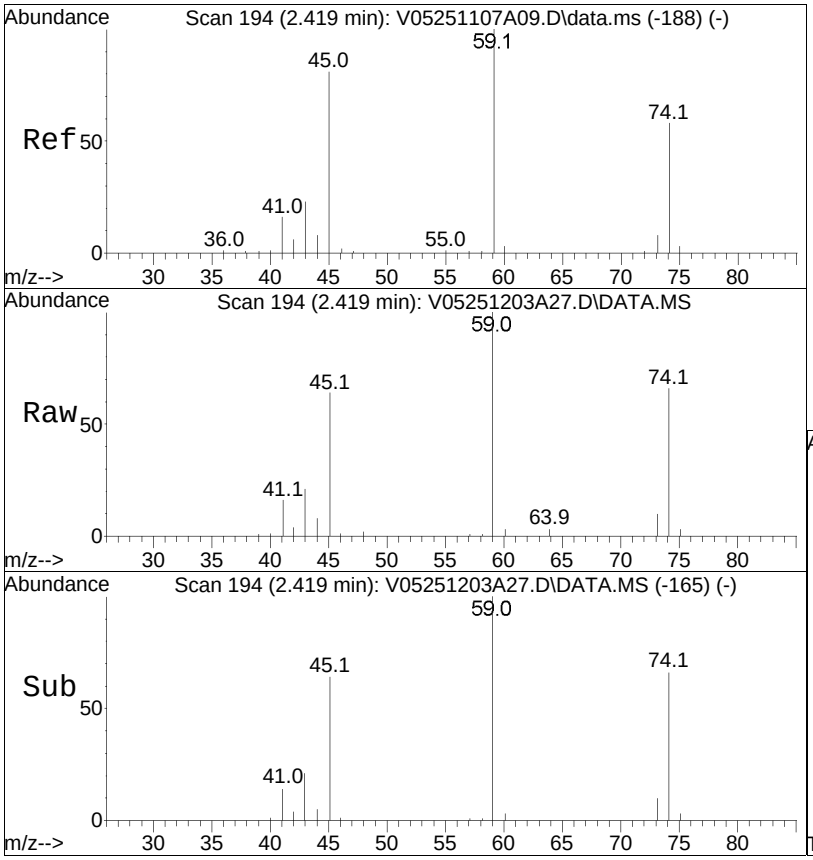


#7
Trichlorofluoromethane
Concen: 10.65 ug/L
RT: 2.144 min Scan# 154
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:101 Resp: 124485

Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.8	77.8

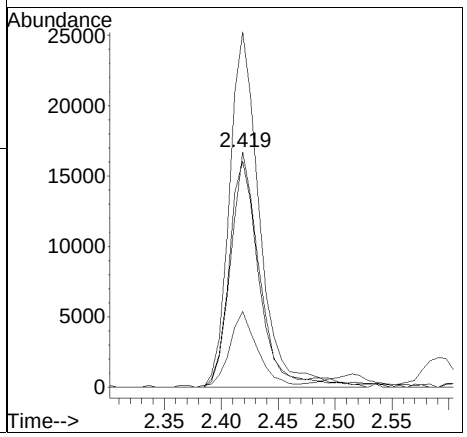


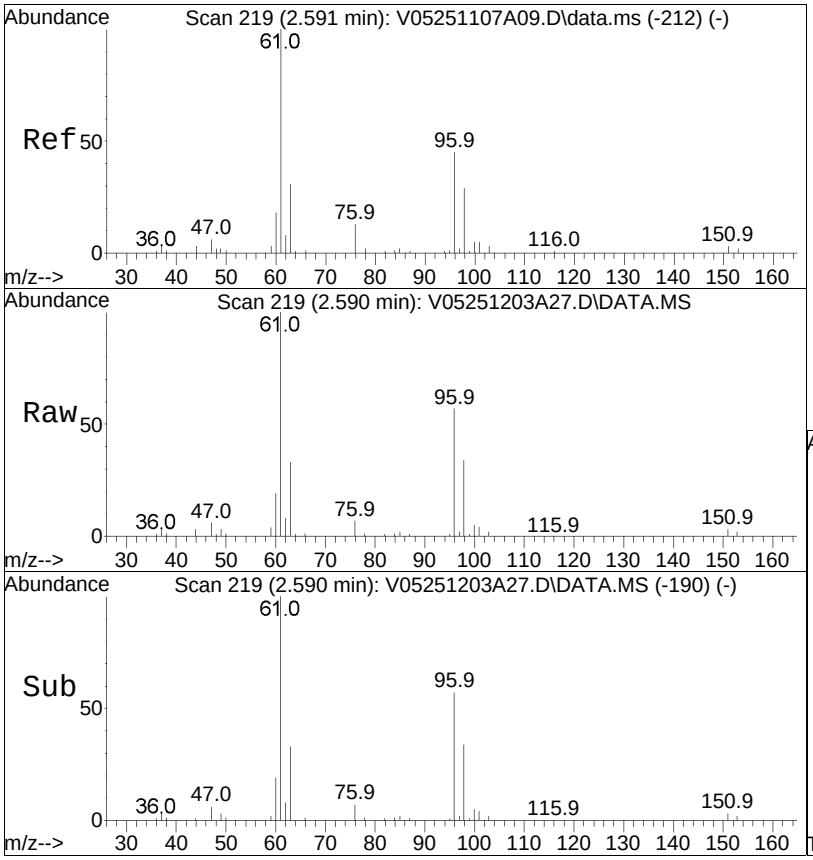


#8
Ethyl ether
Concen: 9.76 ug/L
RT: 2.419 min Scan# 194
Delta R.T. -0.000 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 74 Resp: 29939

Ion	Ratio	Lower	Upper
74	100		
59	158.2	117.1	243.3
45	100.9	93.2	193.6
43	31.4	26.5	55.1

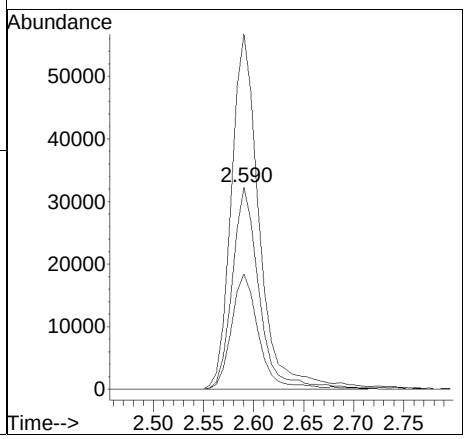


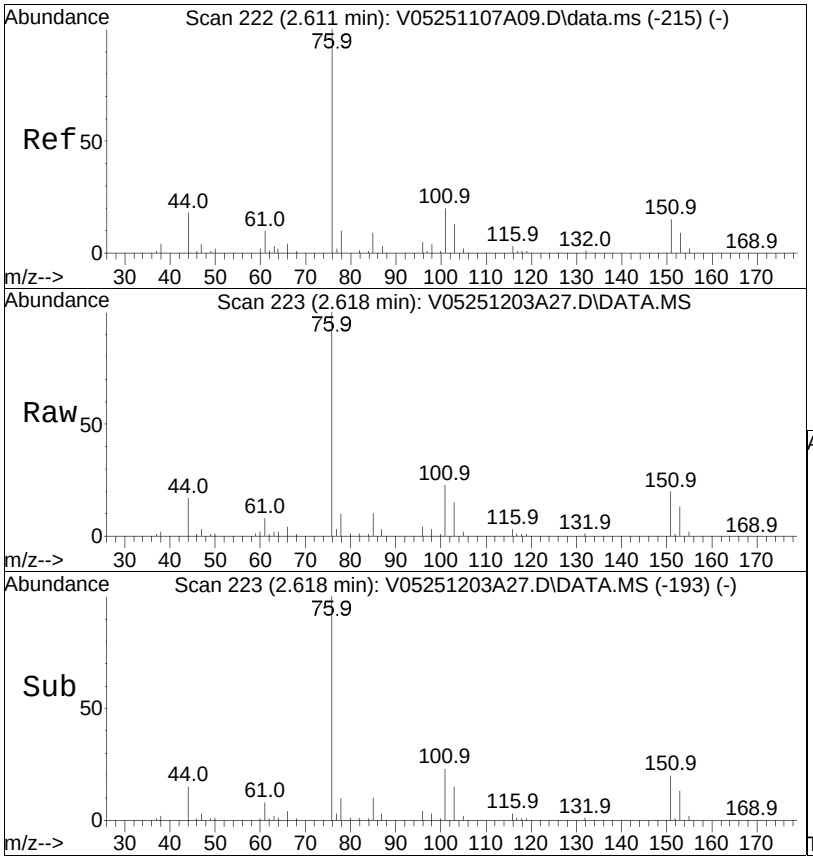


#10
1,1-Dichloroethene
Concen: 10.73 ug/L
RT: 2.590 min Scan# 219
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 96 Resp: 60958

Ion	Ratio	Lower	Upper
96	100		
61	182.2	177.5	266.3
63	58.6	53.4	80.2

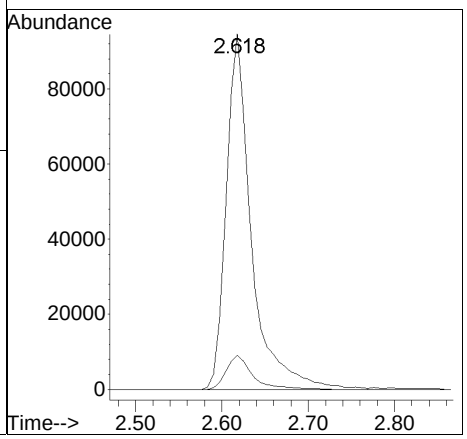


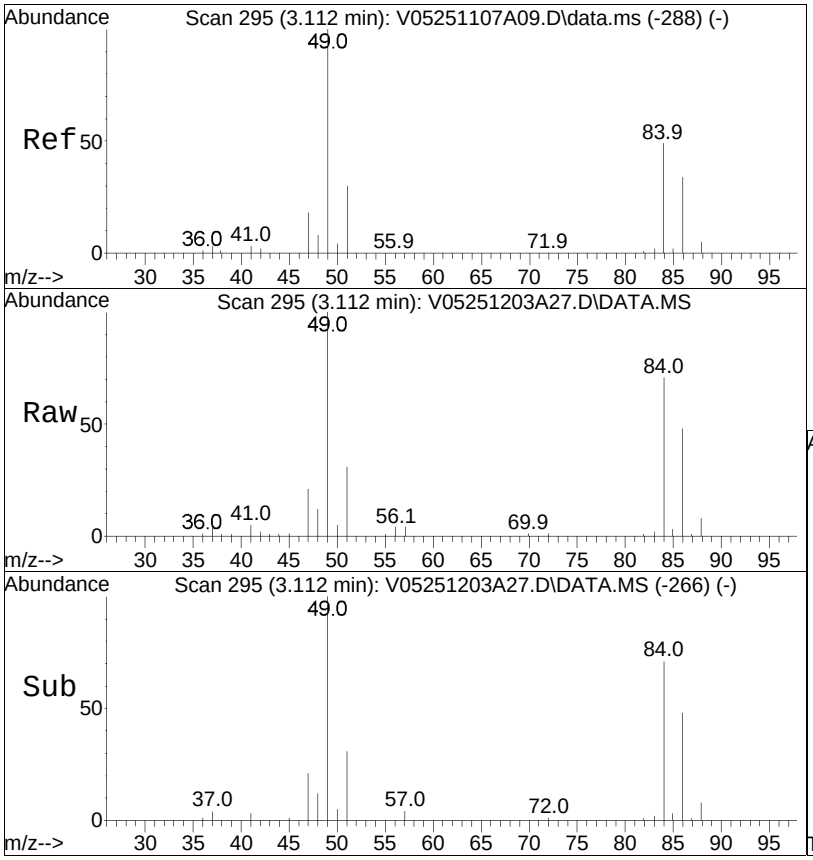


#11
Carbon disulfide
Concen: 9.68 ug/L
RT: 2.618 min Scan# 223
Delta R.T. 0.007 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 76 Resp: 192474

Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.8	14.0

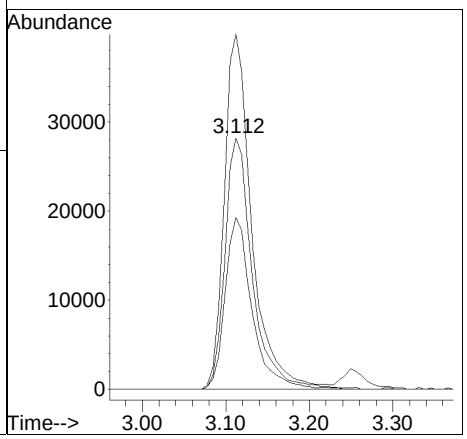


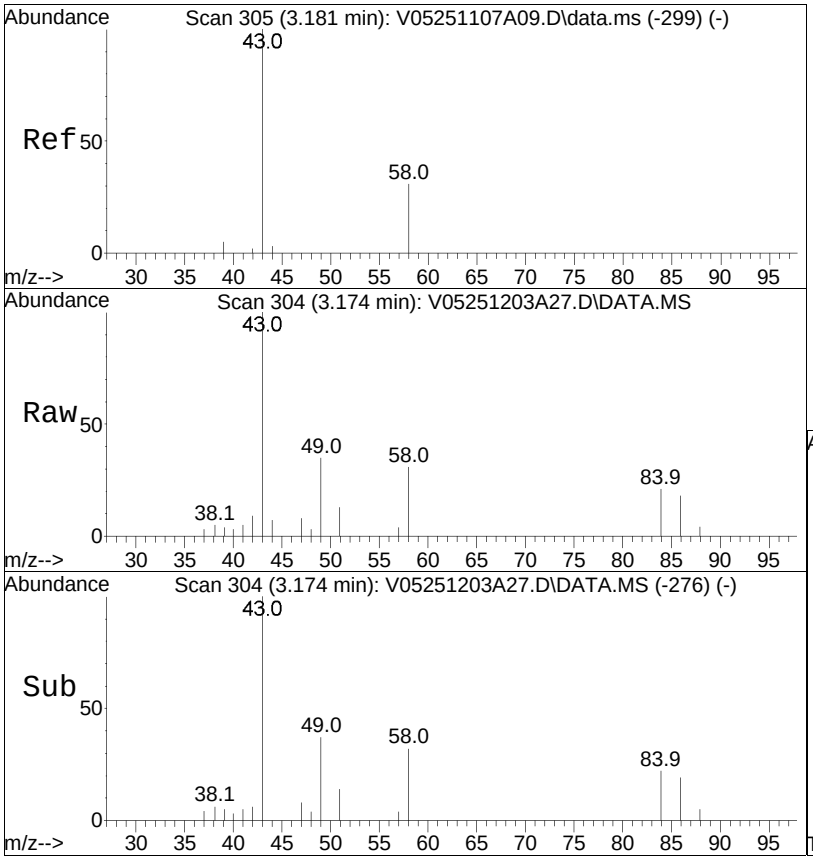


#15
Methylene chloride
Concen: 9.32 ug/L
RT: 3.112 min Scan# 295
Delta R.T. -0.000 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 84 Resp: 64550

Ion	Ratio	Lower	Upper
84	100		
86	67.6	43.6	90.5
49	141.0	129.2	268.4

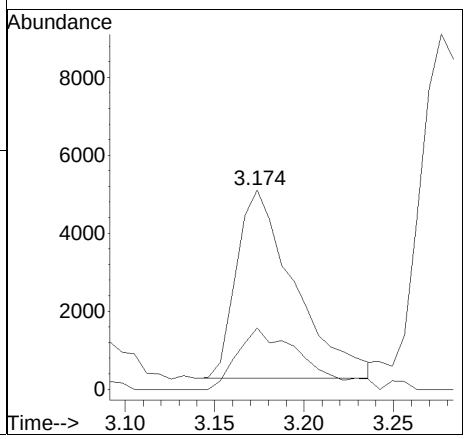


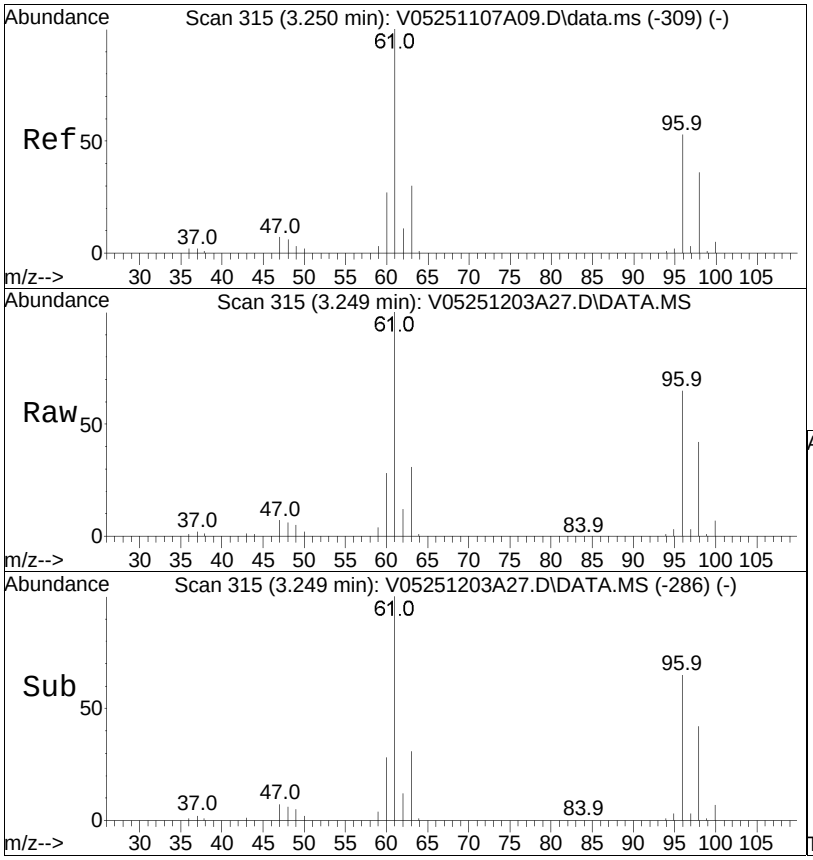


#17
Acetone
Concen: 7.57 ug/L
RT: 3.174 min Scan# 304
Delta R.T. -0.007 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 43 Resp: 10909

Ion	Ratio	Lower	Upper
43	100		
58	36.8	24.9	37.3

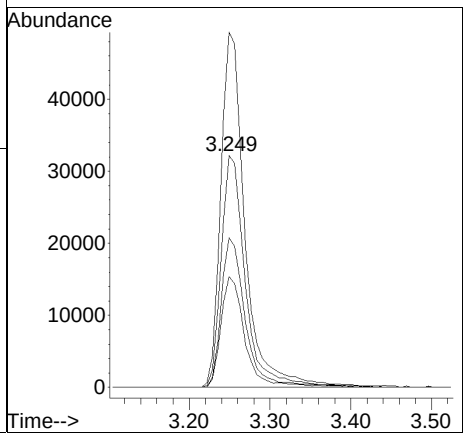


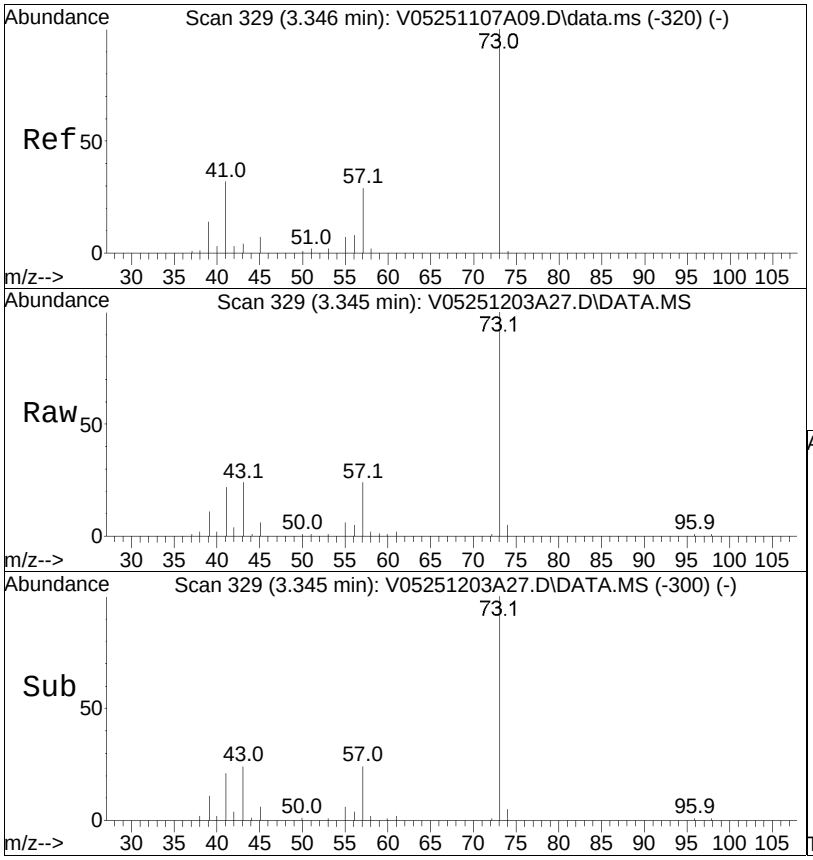


#18
trans-1,2-Dichloroethene
Concen: 9.90 ug/L
RT: 3.249 min Scan# 315
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 96 Resp: 67661

Ion	Ratio	Lower	Upper
96	100		
61	152.7	118.7	246.5
98	64.3	41.9	87.1
63	46.3	35.9	74.5

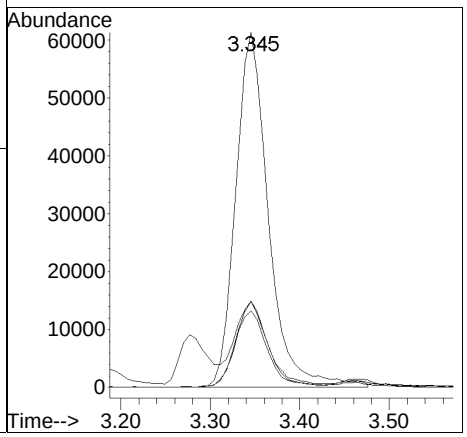


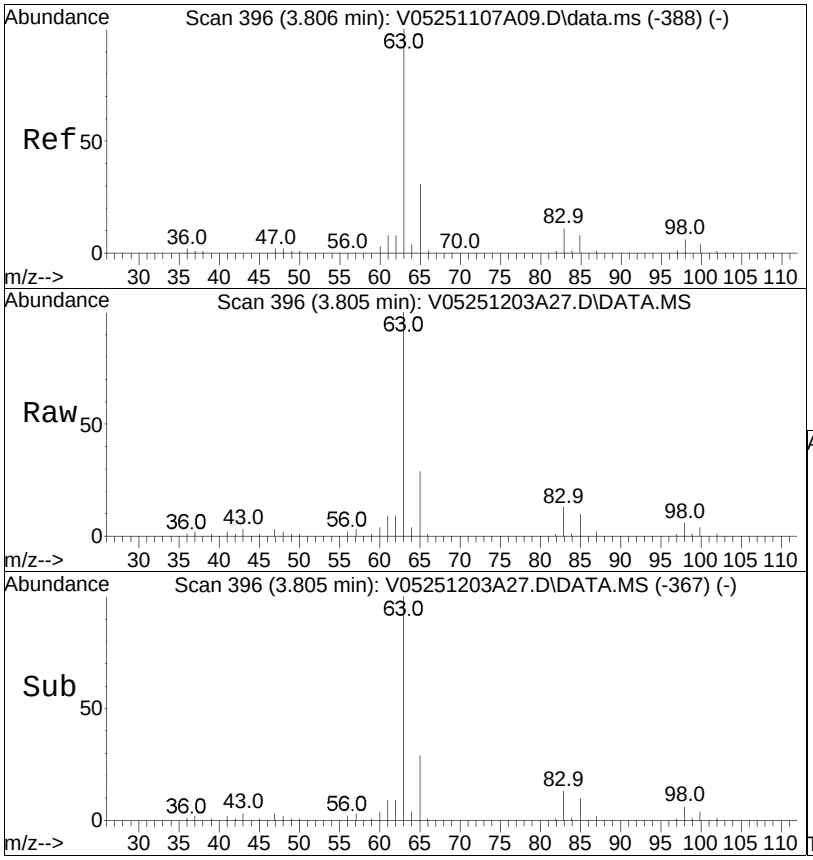


#20
Methyl tert-butyl ether
Concen: 10.40 ug/L
RT: 3.345 min Scan# 329
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 73 Resp: 156615

Ion	Ratio	Lower	Upper
73	100		
57	23.8	18.7	38.9
43	24.3	18.8	39.0
41	21.6	21.3	44.1

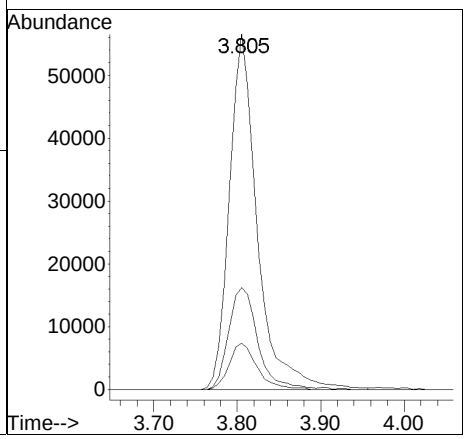


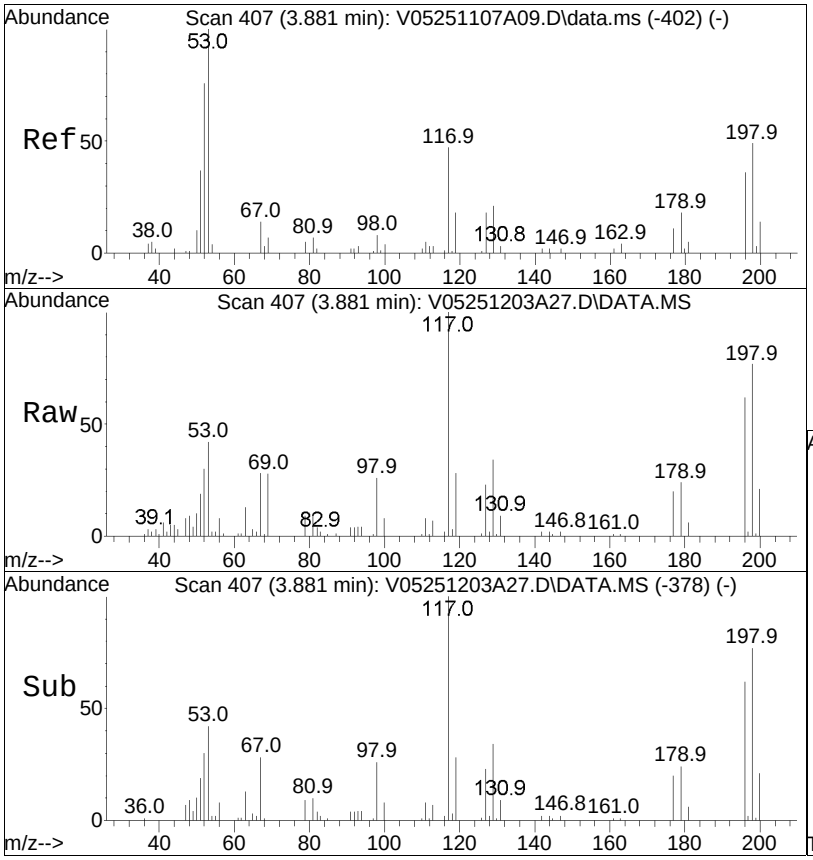


#23
1,1-Dichloroethane
Concen: 8.53 ug/L
RT: 3.805 min Scan# 396
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 63 Resp: 131473

Ion	Ratio	Lower	Upper
63	100		
65	30.0	9.4	49.4
83	13.0	0.0	30.9

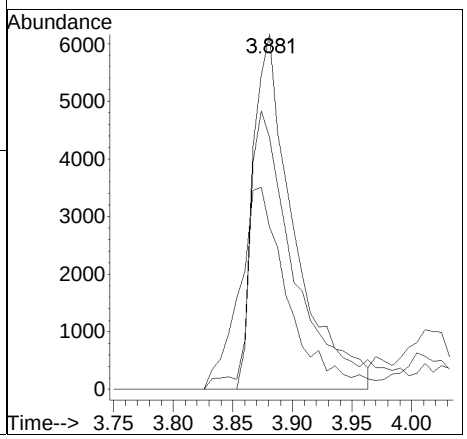


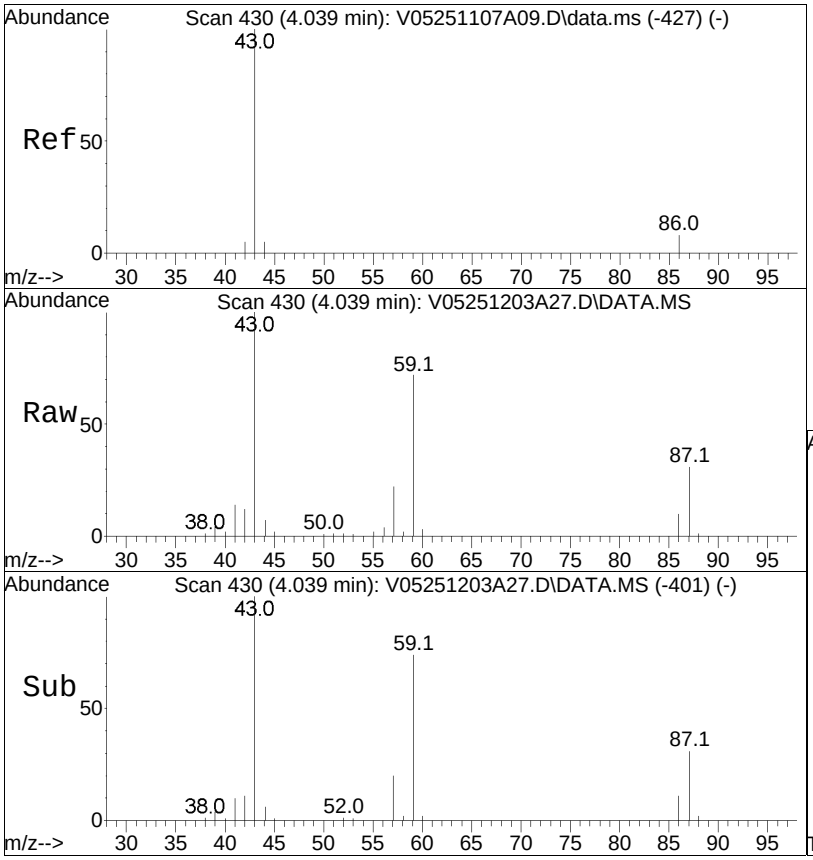


#25
Acrylonitrile
Concen: 7.66 ug/L
RT: 3.881 min Scan# 407
Delta R.T. -0.000 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 53 Resp: 15092

Ion	Ratio	Lower	Upper
53	100		
52	84.7	64.6	96.8
51	66.5	51.3	76.9

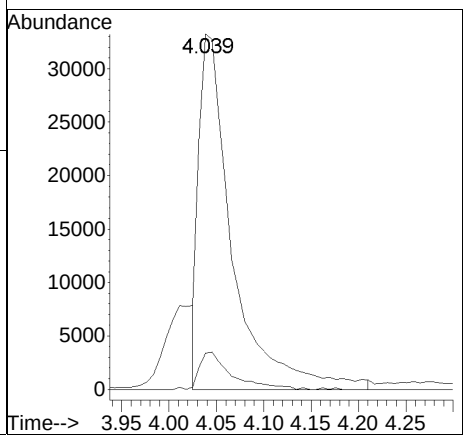


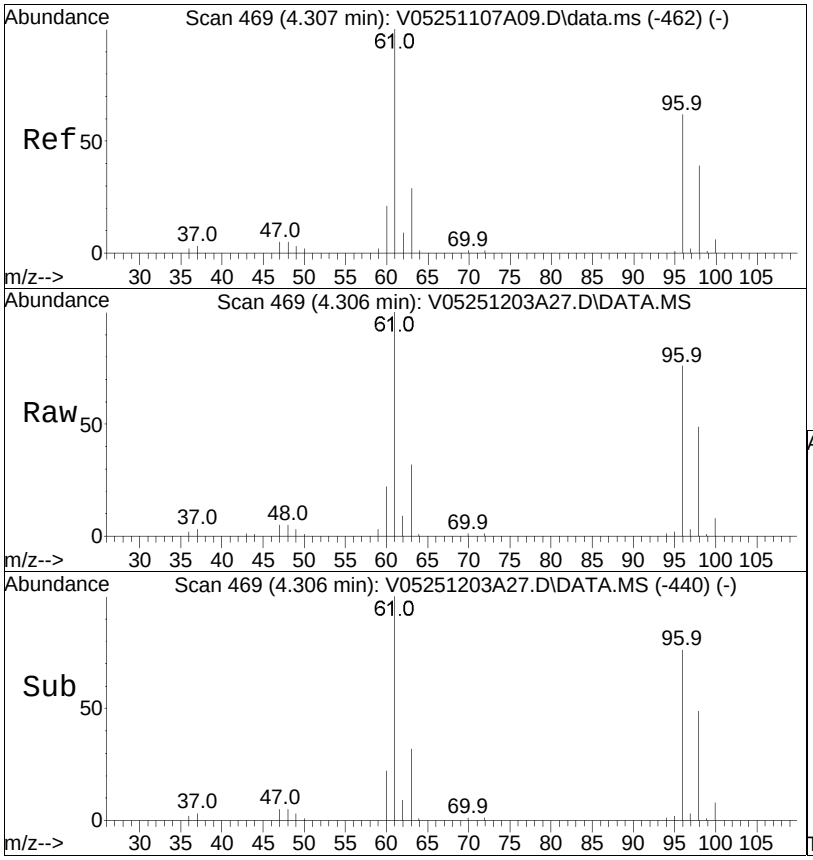


#27
Vinyl acetate
Concen: 5.45 ug/L M6
RT: 4.039 min Scan# 430
Delta R.T. -0.000 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 43 Resp: 82133

Ion	Ratio	Lower	Upper
43	100		
86	10.1	5.4	8.2#

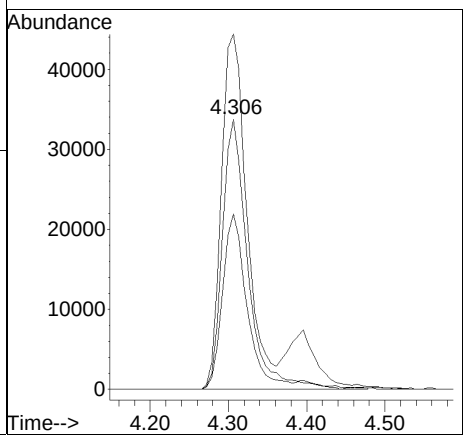


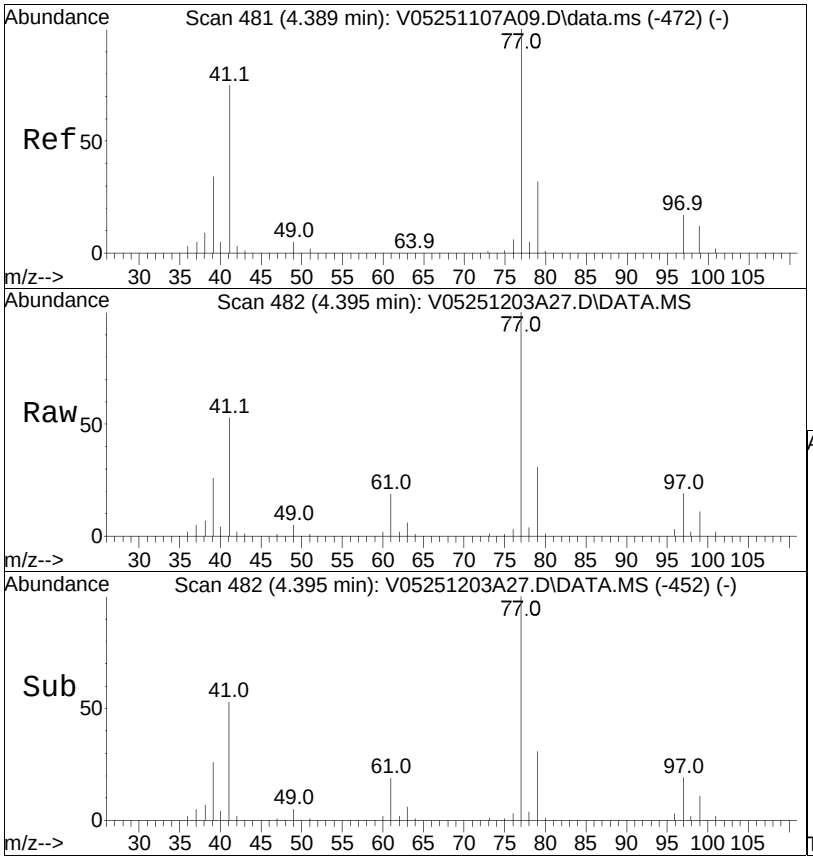


#28
cis-1,2-Dichloroethene
Concen: 10.05 ug/L
RT: 4.306 min Scan# 469
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 96 Resp: 76967

Ion	Ratio	Lower	Upper
96	100		
61	130.7	122.5	183.7
98	62.1	50.2	75.4

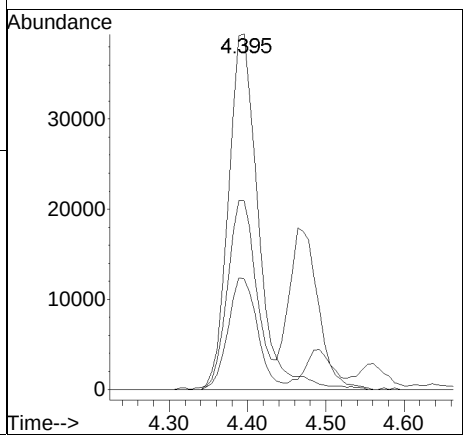


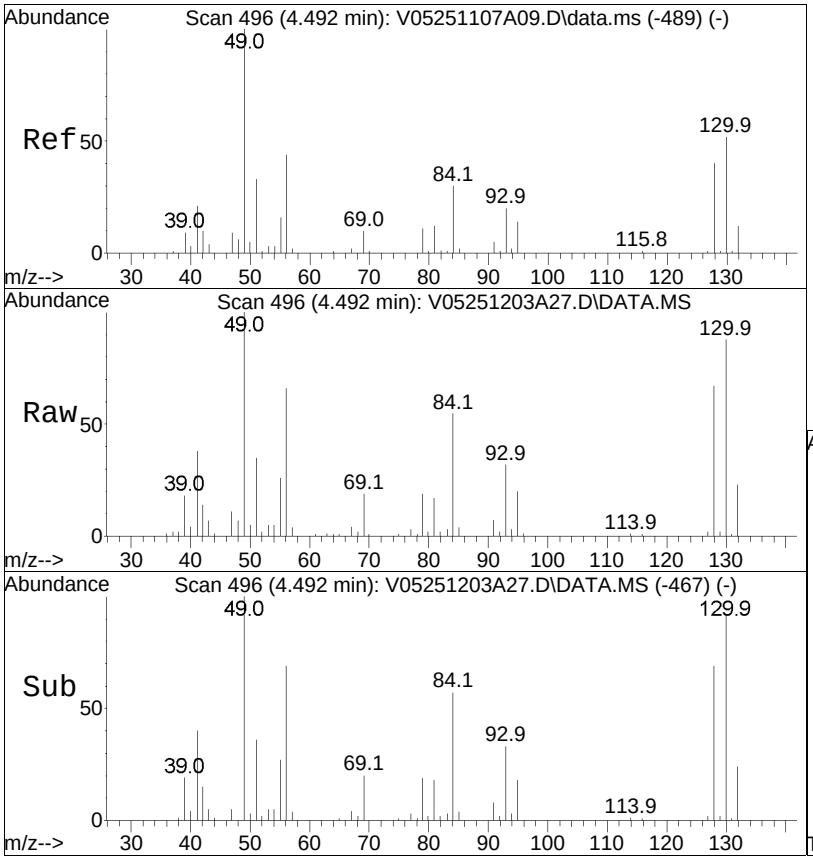


#29
2,2-Dichloropropane
Concen: 9.77 ug/L
RT: 4.395 min Scan# 482
Delta R.T. 0.006 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 77 Resp: 104765

Ion	Ratio	Lower	Upper
77	100		
41	52.5	43.7	90.9
79	31.1	20.0	41.6

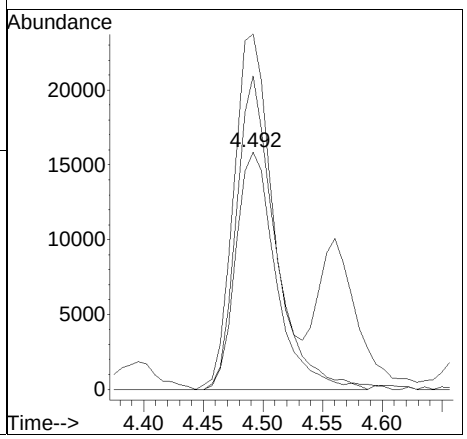


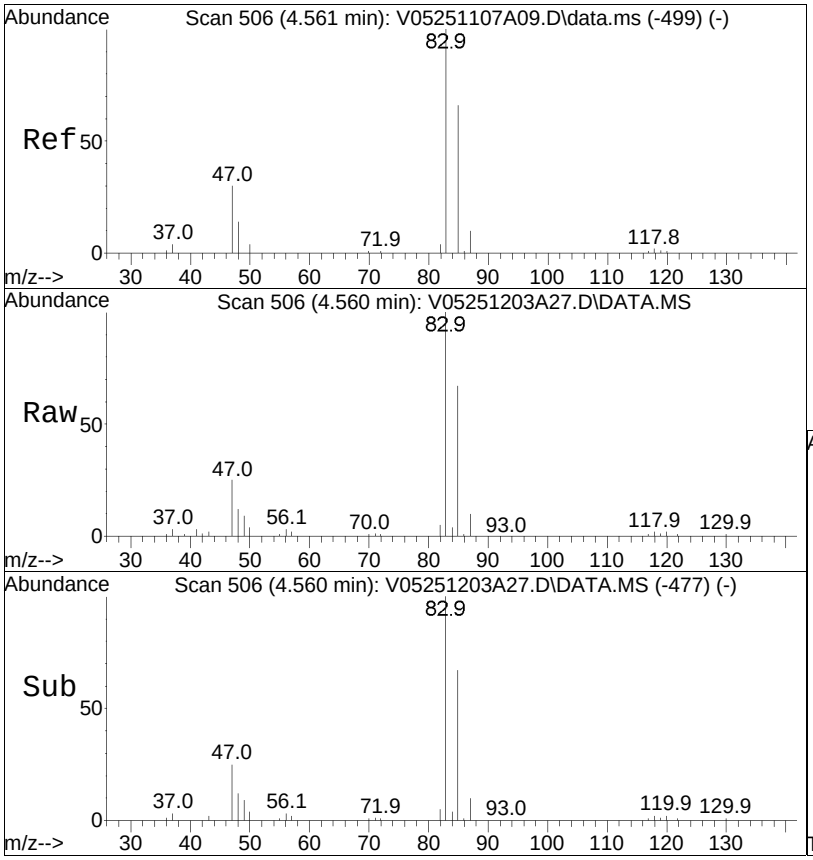


#30
Bromochloromethane
Concen: 11.54 ug/L
RT: 4.492 min Scan# 496
Delta R.T. -0.000 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:128 Resp: 37313

Ion	Ratio	Lower	Upper
128	100		
49	145.5	192.5	288.7#
130	128.3	103.4	155.0

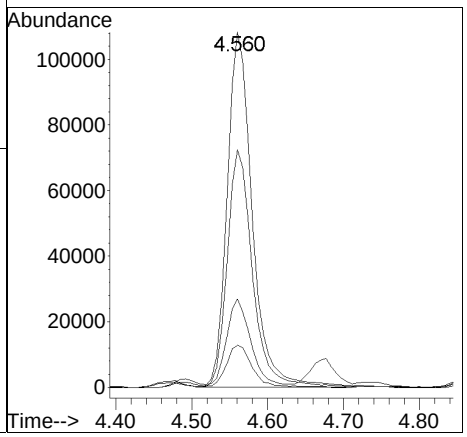


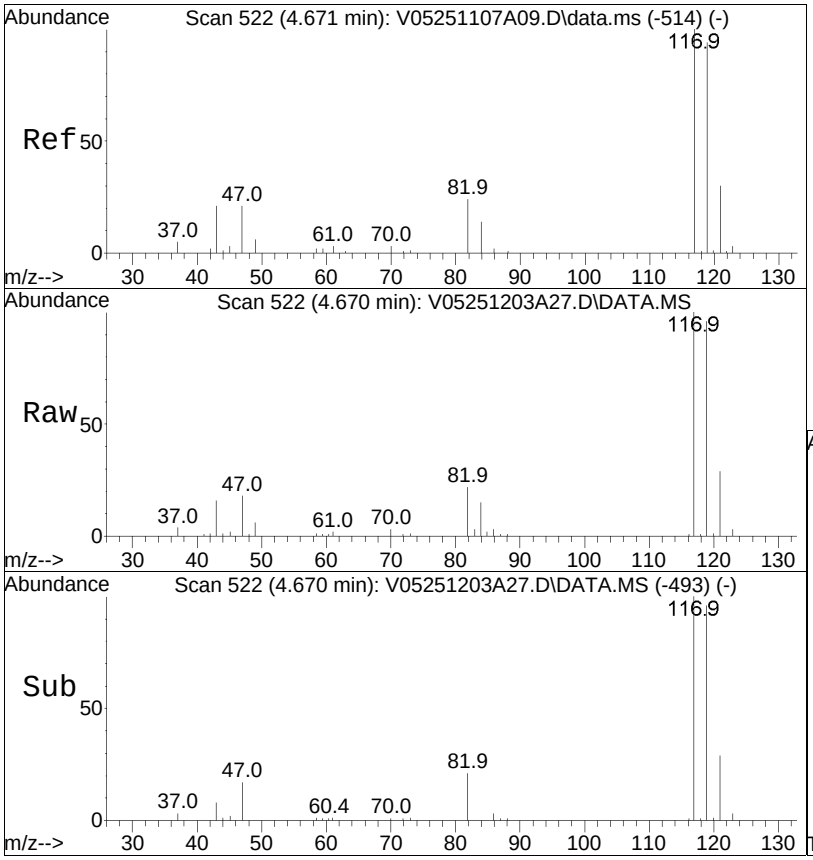


#32
Chloroform
Concen: 18.74 ug/L
RT: 4.560 min Scan# 506
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 83 Resp: 249441

Ion	Ratio	Lower	Upper
83	100		
85	67.0	42.7	88.7
47	23.2	18.5	38.3
48	11.5	10.1	20.9

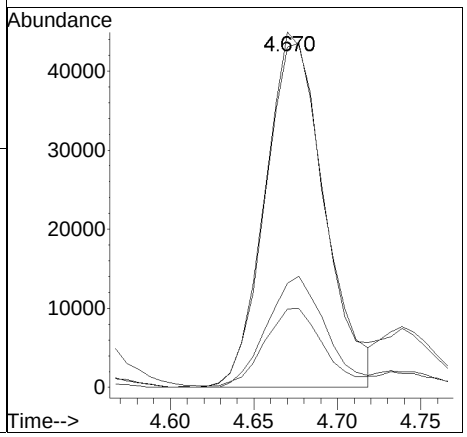


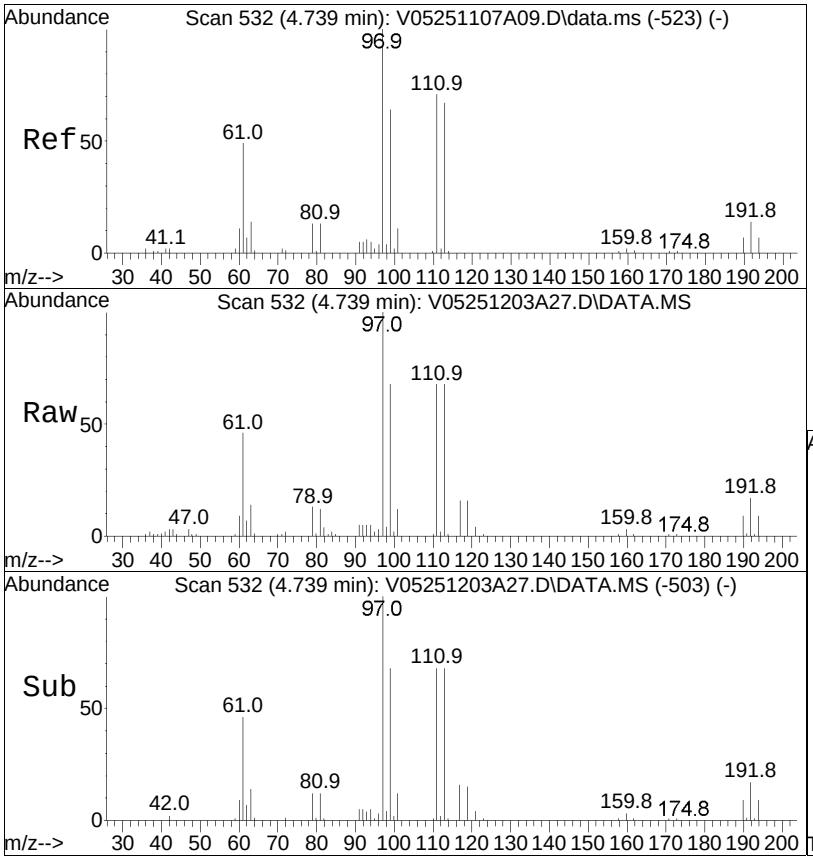


#34
Carbon tetrachloride
Concen: 10.10 ug/L
RT: 4.670 min Scan# 522
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:117 Resp: 110664

Ion	Ratio	Lower	Upper
117	100		
119	98.1	63.1	131.1
121	31.1	20.4	42.4
82	22.2	15.2	31.6

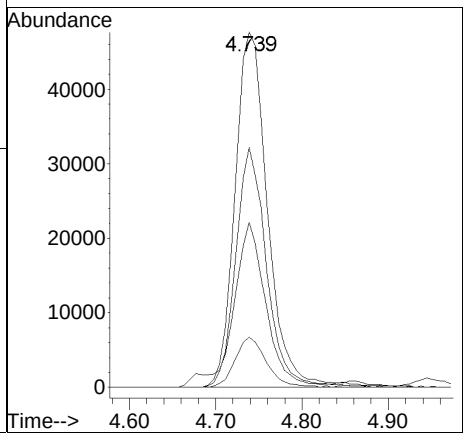


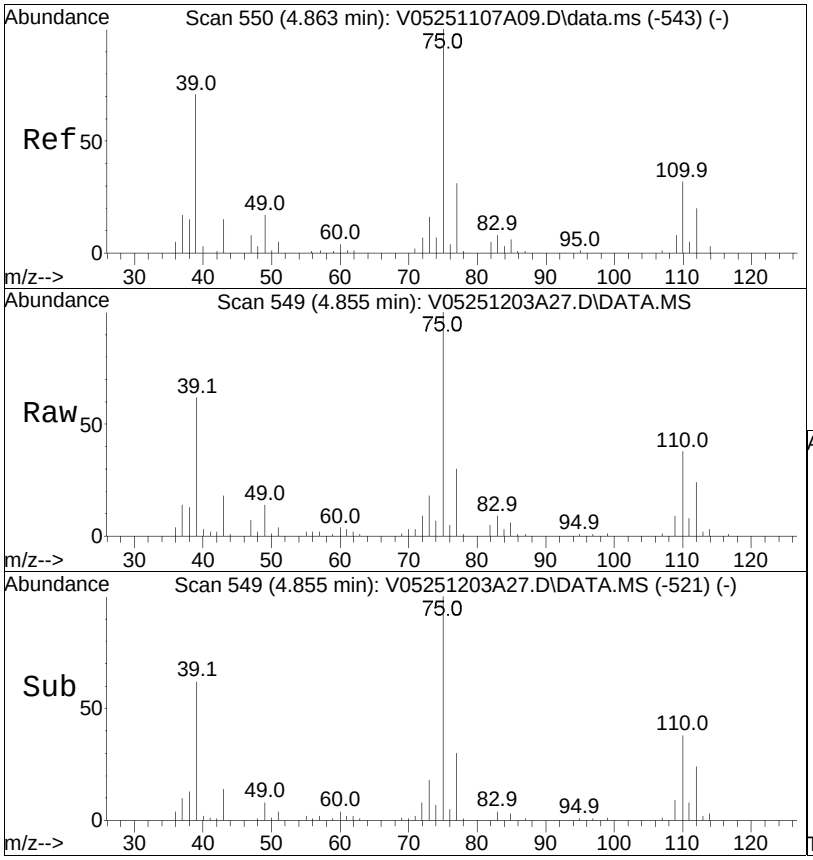


#37
1,1,1-Trichloroethane
Concen: 10.68 ug/L
RT: 4.739 min Scan# 532
Delta R.T. -0.000 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 97 Resp: 125550

Ion	Ratio	Lower	Upper
97	100		
99	64.0	41.6	86.4
61	46.3	34.1	70.9
63	13.5	10.7	22.3

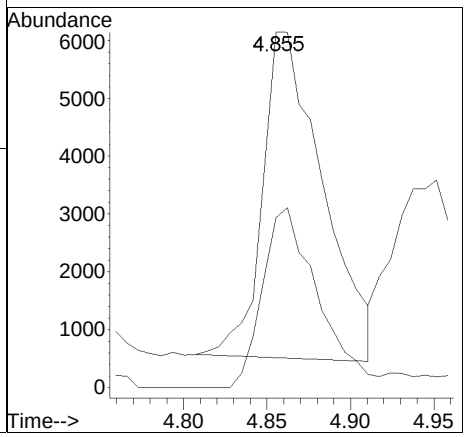


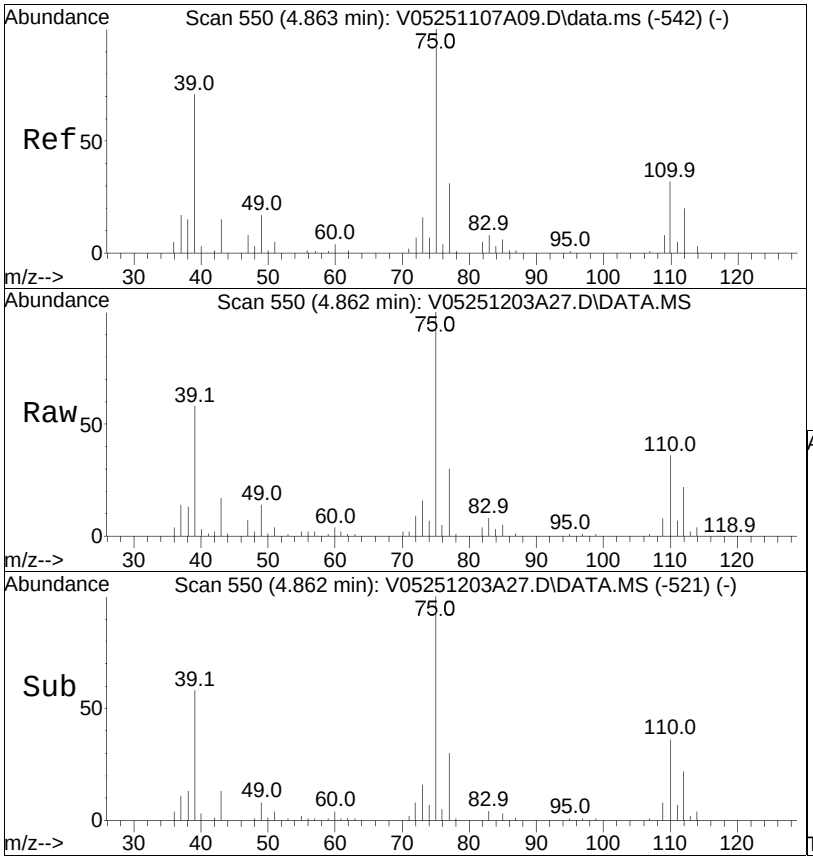


#39
2-Butanone
Concen: 6.66 ug/L
RT: 4.855 min Scan# 549
Delta R.T. -0.008 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 43 Resp: 14170

Ion	Ratio	Lower	Upper
43	100		
72	50.4	33.3	49.9#

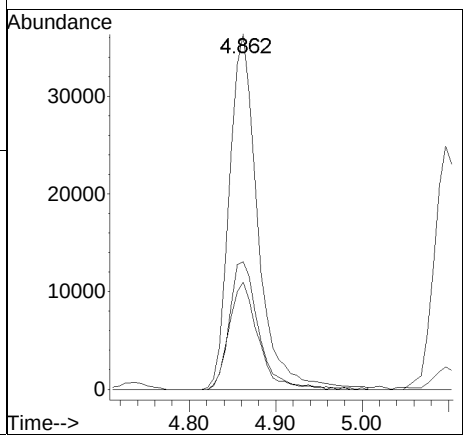


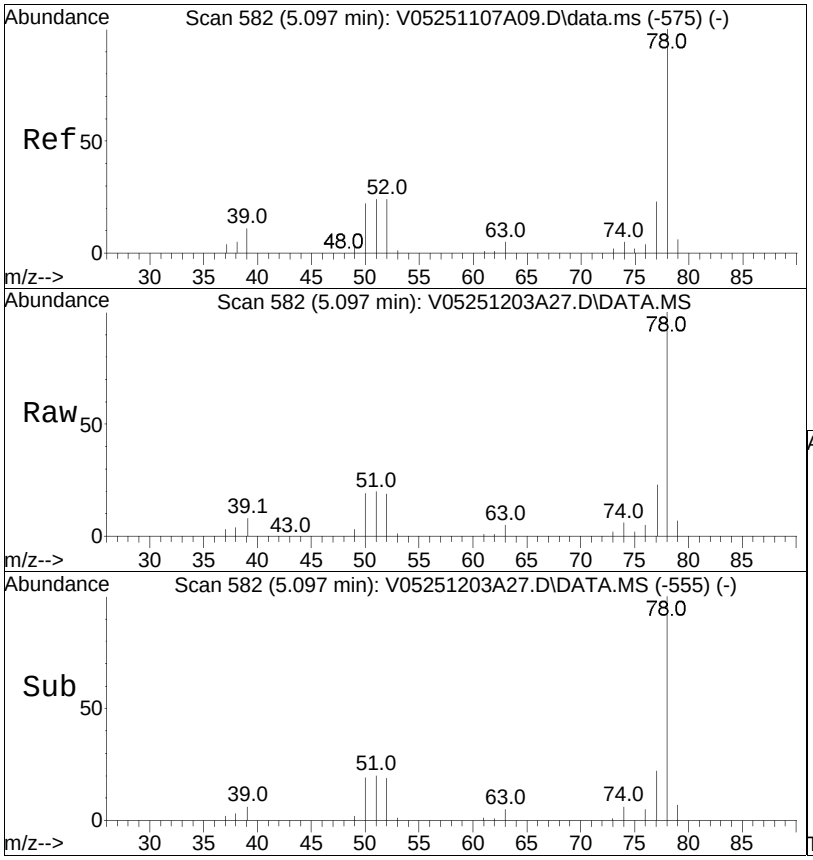


#40
1,1-Dichloropropene
Concen: 9.07 ug/L
RT: 4.862 min Scan# 550
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 75 Resp: 83806

Ion	Ratio	Lower	Upper
75	100		
110	36.7	21.7	45.1
77	30.8	20.0	41.6

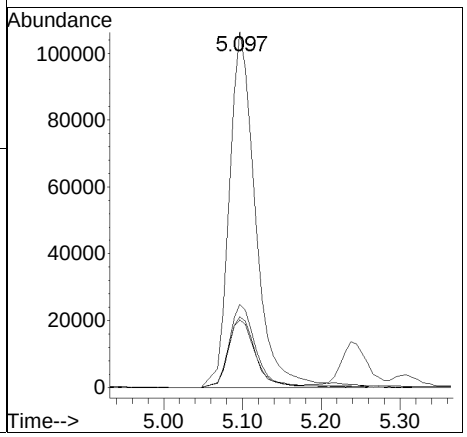


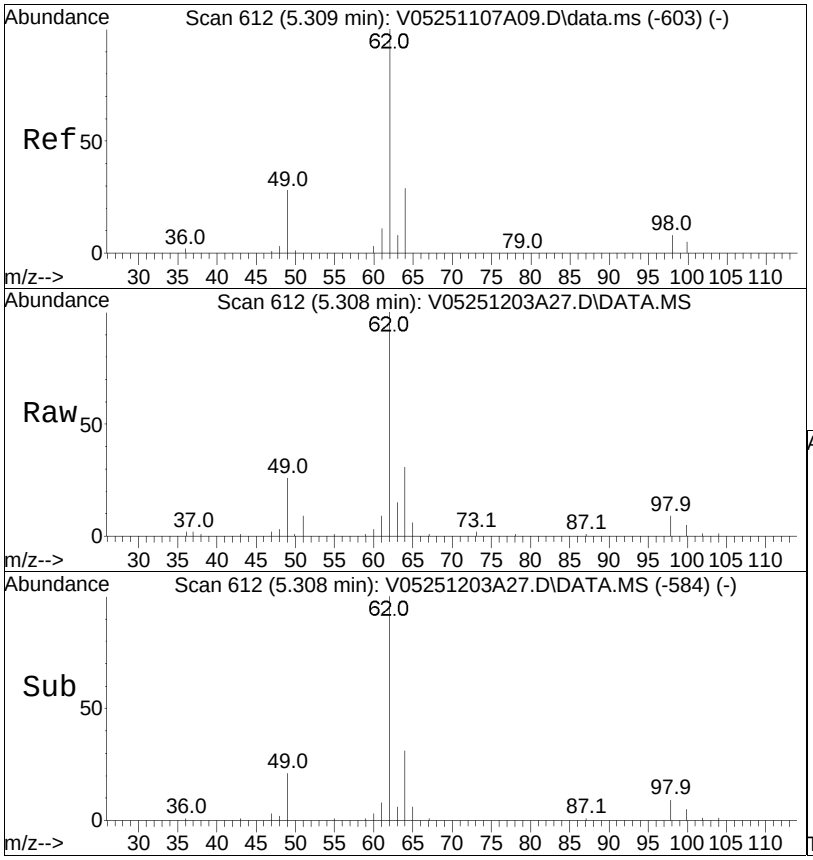


#41
Benzene
Concen: 9.16 ug/L
RT: 5.097 min Scan# 582
Delta R.T. -0.000 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 78 Resp: 261355

Ion	Ratio	Lower	Upper
78	100		
77	23.8	15.2	31.6
51	21.0	16.1	33.5
52	20.2	15.9	32.9

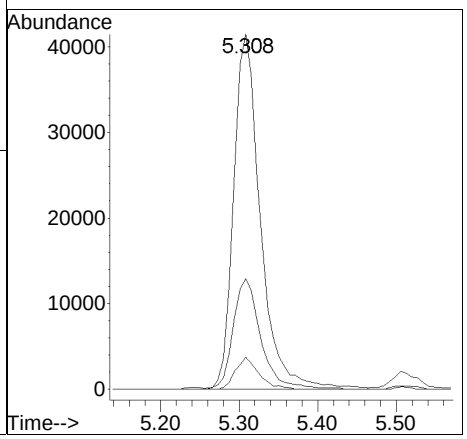


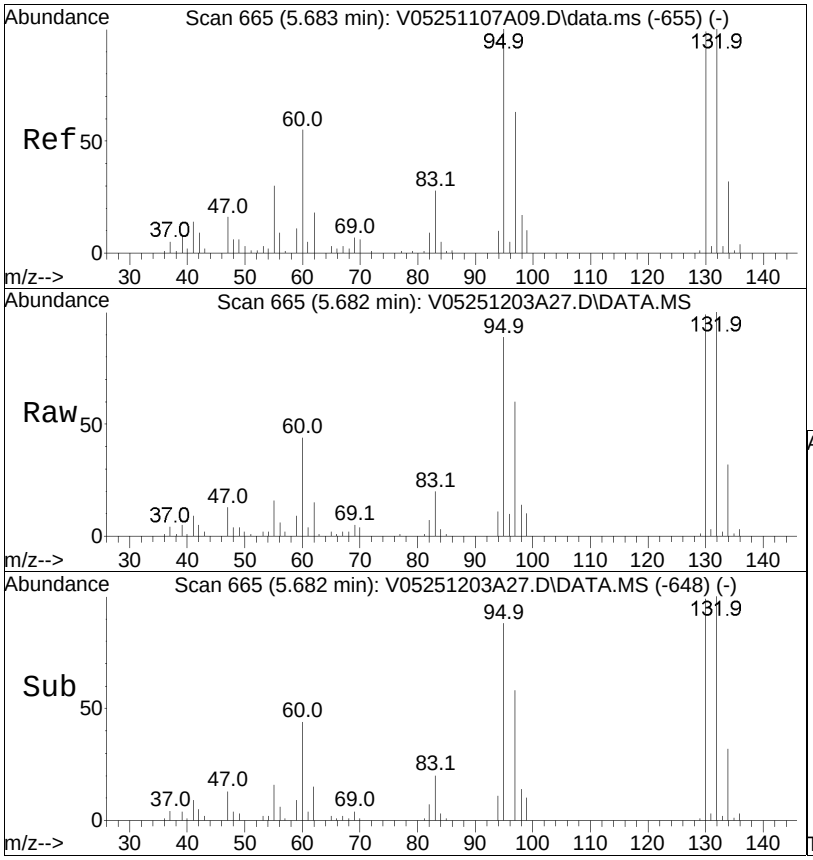


#44
1,2-Dichloroethane
Concen: 9.63 ug/L
RT: 5.308 min Scan# 612
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 62 Resp: 98665

Ion	Ratio	Lower	Upper
62	100		
64	32.1	11.9	51.9
98	8.0	0.0	27.6

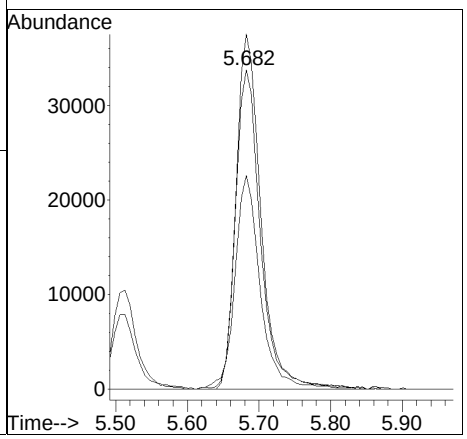


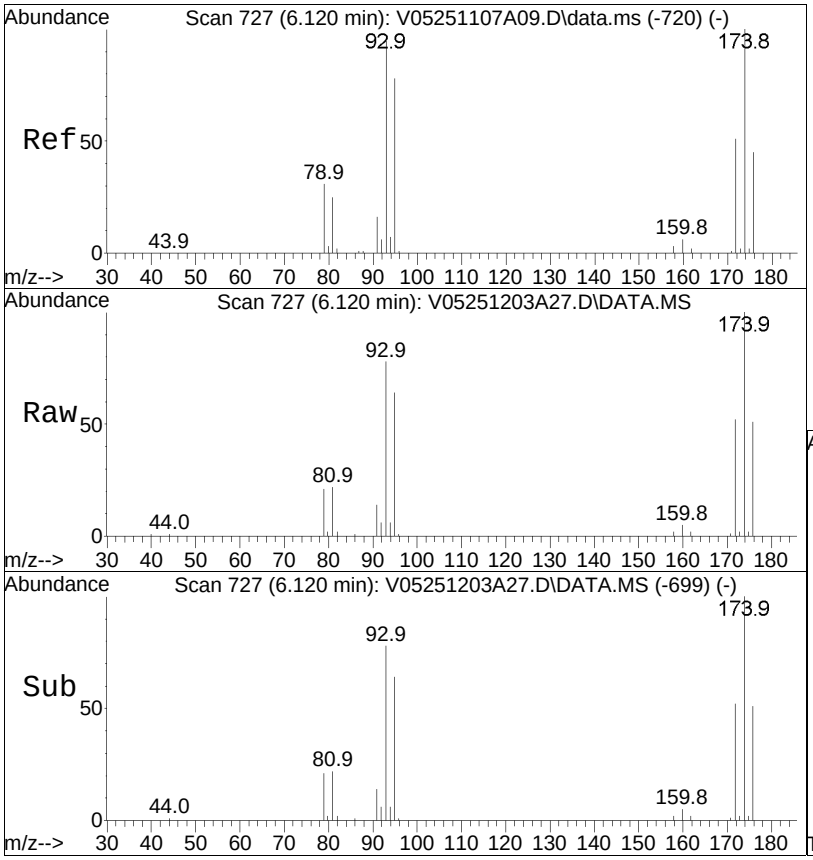


#48
Trichloroethene
Concen: 10.65 ug/L
RT: 5.682 min Scan# 665
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 95 Resp: 83019

Ion	Ratio	Lower	Upper
95	100		
97	67.5	54.4	81.6
130	110.1	82.2	123.4

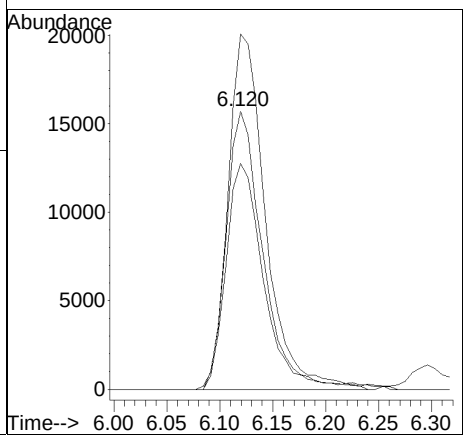


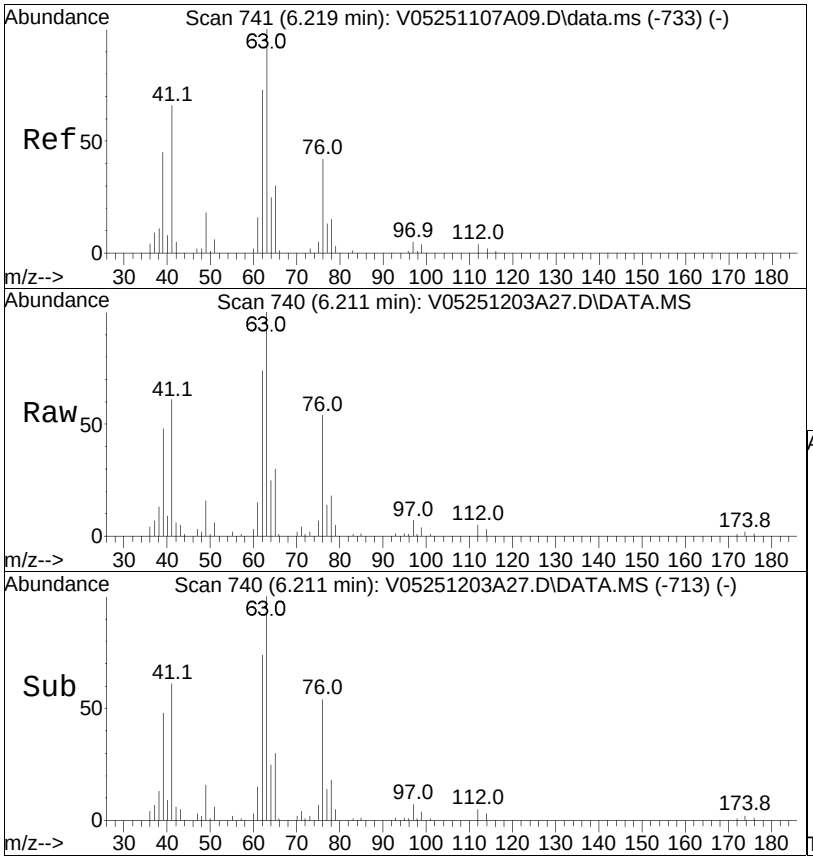


#50
Dibromomethane
Concen: 10.13 ug/L
RT: 6.120 min Scan# 727
Delta R.T. -0.000 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 93 Resp: 37761

Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.5	99.7
174	131.2	82.2	123.4#

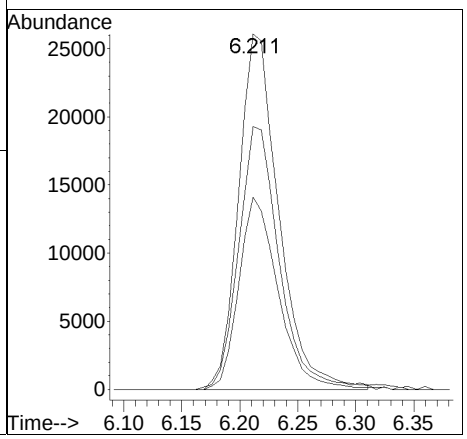


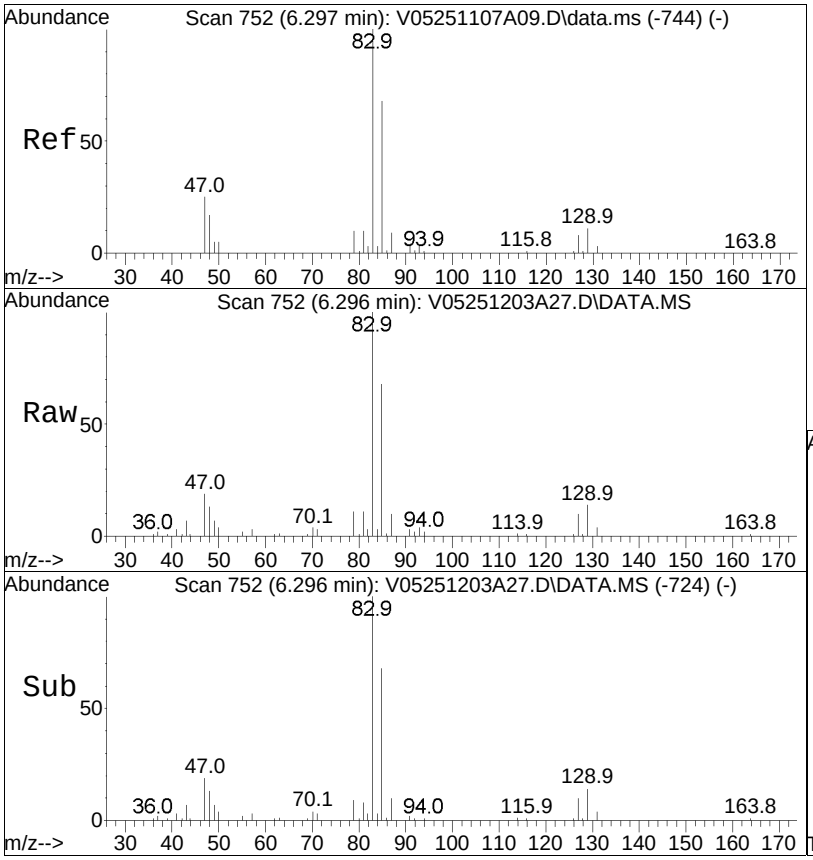


#51
1,2-Dichloropropane
Concen: 7.79 ug/L
RT: 6.211 min Scan# 740
Delta R.T. -0.008 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 63 Resp: 62990

Ion	Ratio	Lower	Upper
63	100		
62	74.7	59.0	88.6
76	53.3	32.7	49.1#

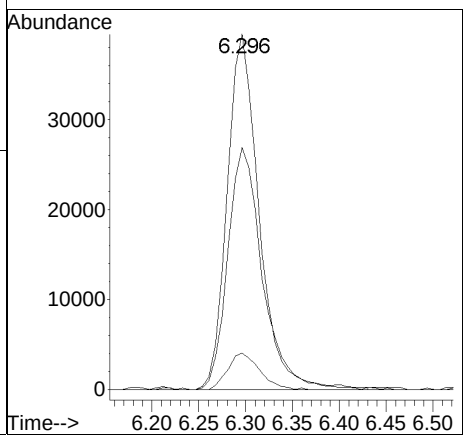


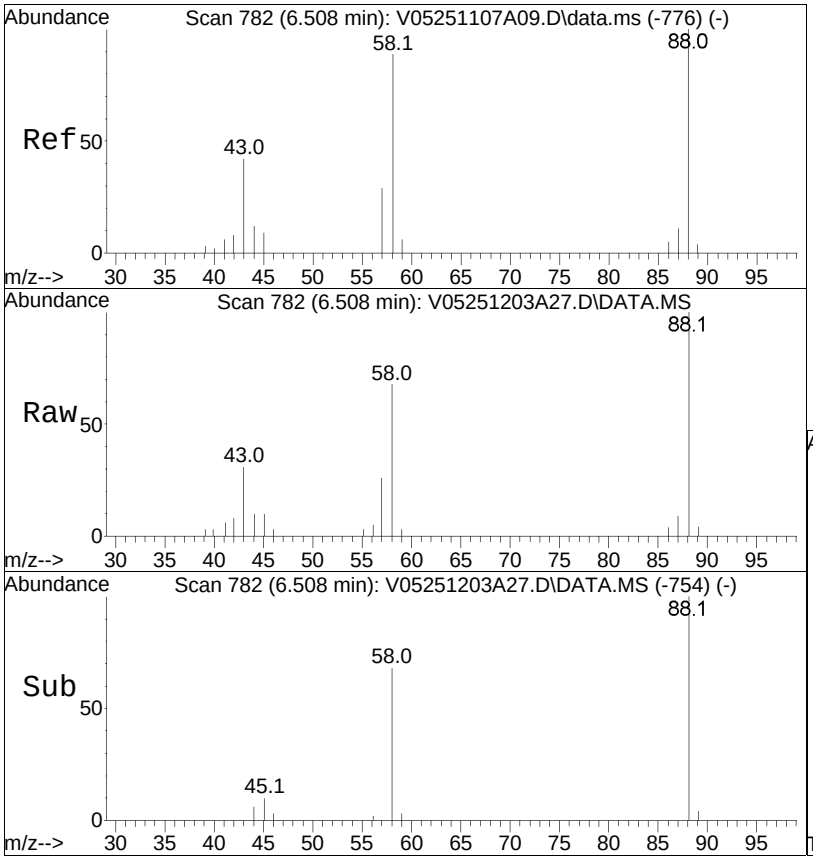


#54
Bromodichloromethane
Concen: 9.69 ug/L
RT: 6.296 min Scan# 752
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 83 Resp: 93900

Ion	Ratio	Lower	Upper
83	100		
85	73.6	53.0	79.6
127	10.2	7.0	10.4

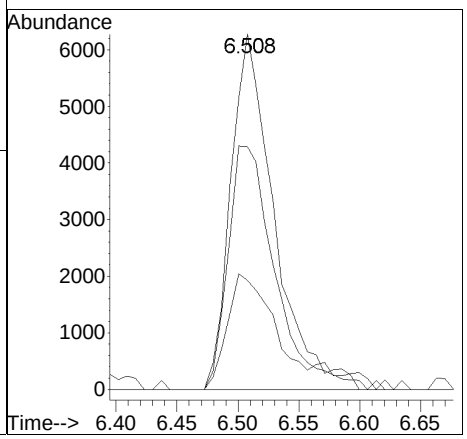


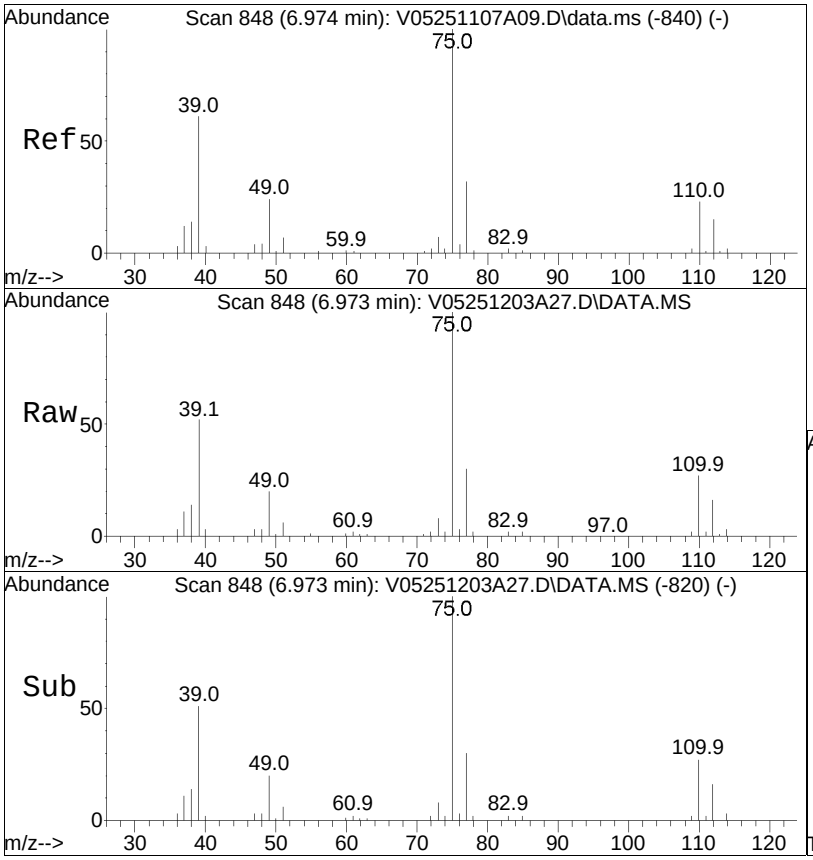


#57
1,4-Dioxane
Concen: 480.36 ug/L
RT: 6.508 min Scan# 782
Delta R.T. -0.000 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 88 Resp: 15611

Ion	Ratio	Lower	Upper
88	100		
58	74.0	73.2	109.8
43	38.9	32.9	49.3

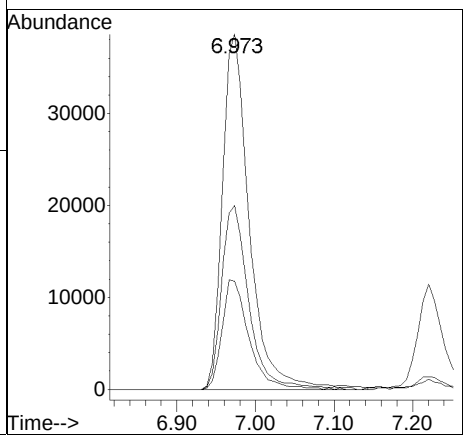


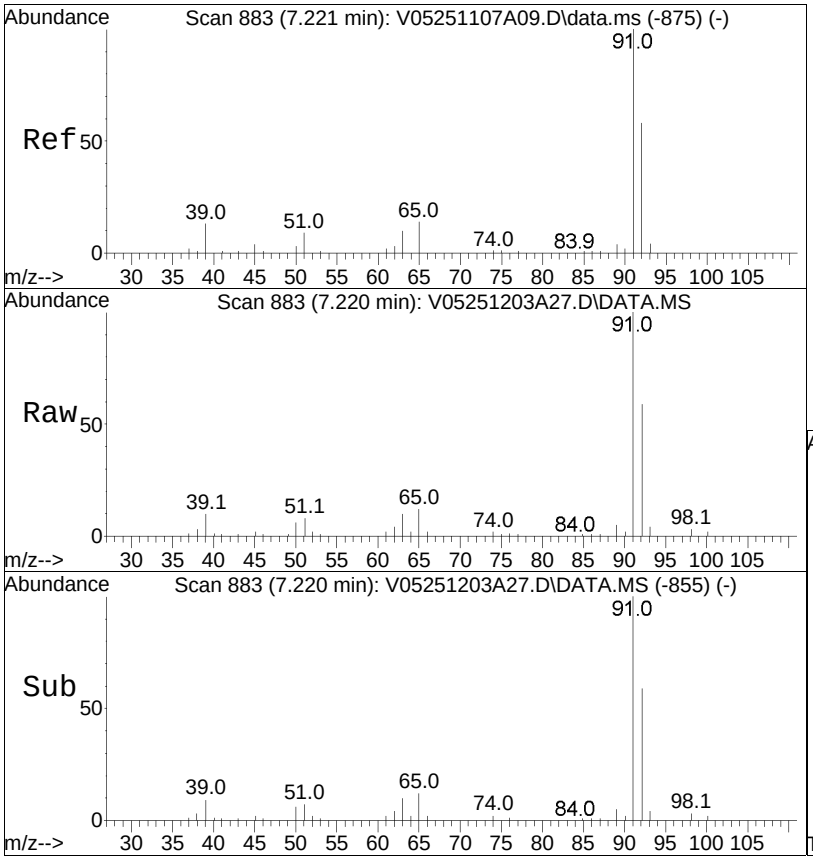


#58
cis-1,3-Dichloropropene
Concen: 8.50 ug/L
RT: 6.973 min Scan# 848
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 75 Resp: 92483

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.0	37.4
39	52.3	50.1	75.1

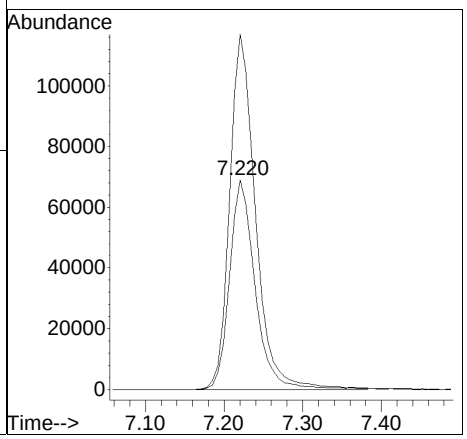


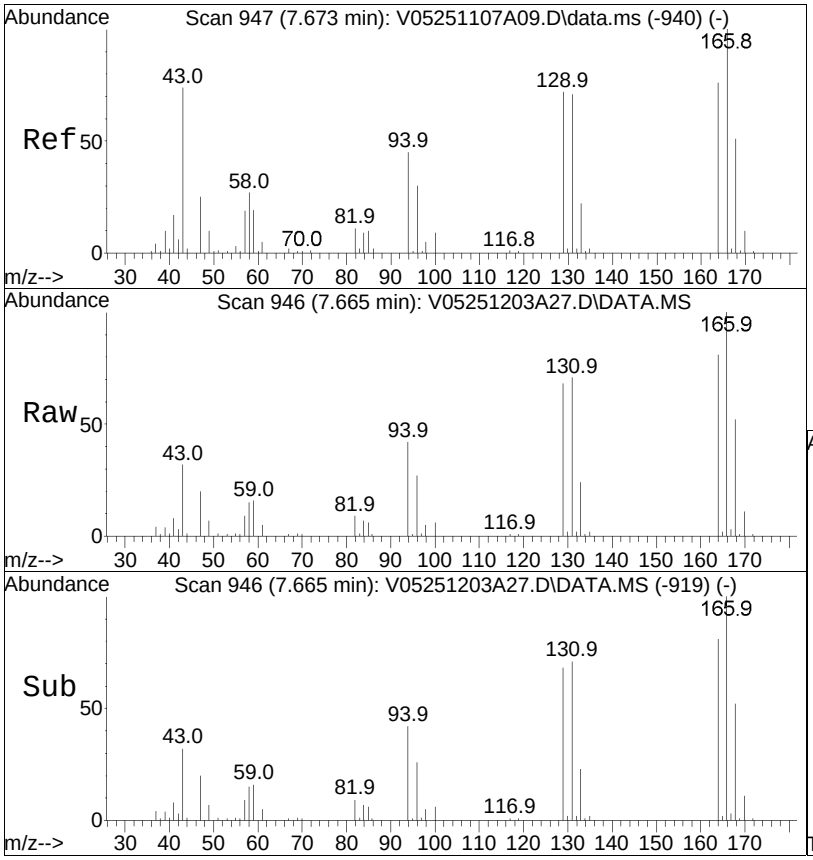


#61
Toluene
Concen: 8.61 ug/L
RT: 7.220 min Scan# 883
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 92 Resp: 155975

Ion	Ratio	Lower	Upper
92	100		
91	171.1	136.6	205.0

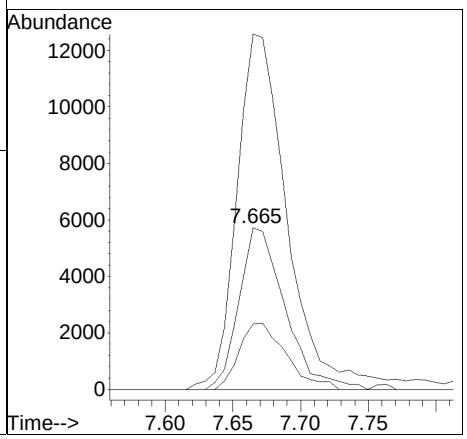


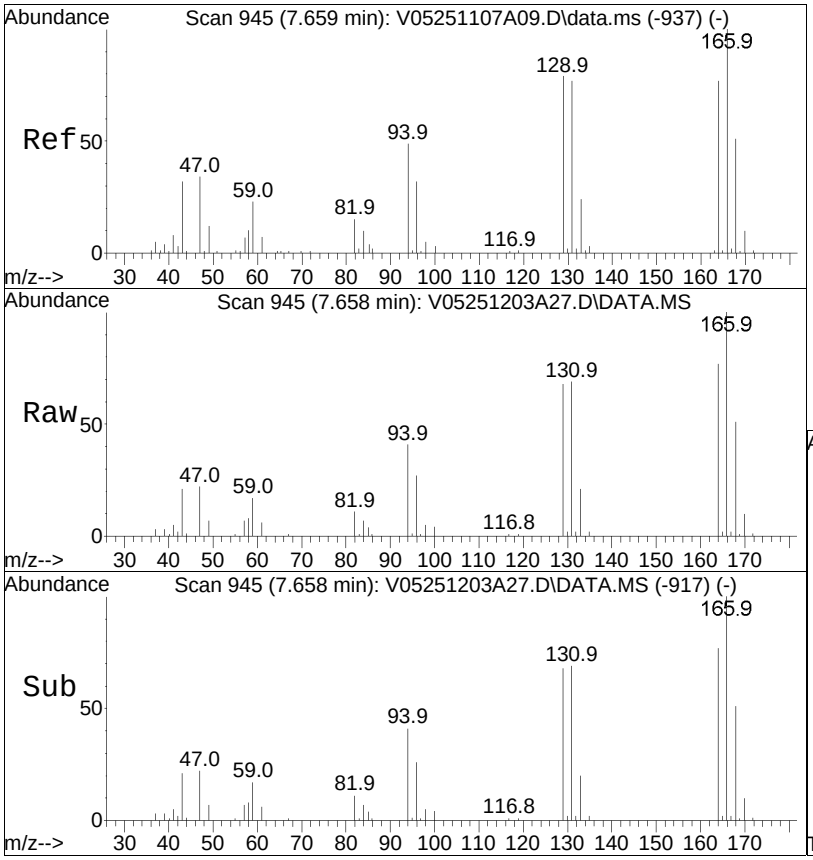


#62
4-Methyl-2-pentanone
Concen: 7.79 ug/L
RT: 7.665 min Scan# 946
Delta R.T. -0.008 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 58 Resp: 13532

Ion	Ratio	Lower	Upper
58	100		
100	41.8	25.6	38.4#
43	245.7	235.2	352.8

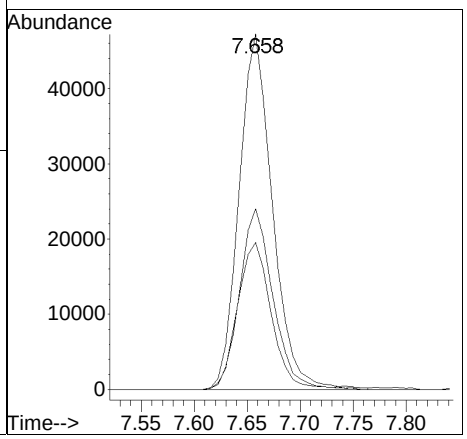


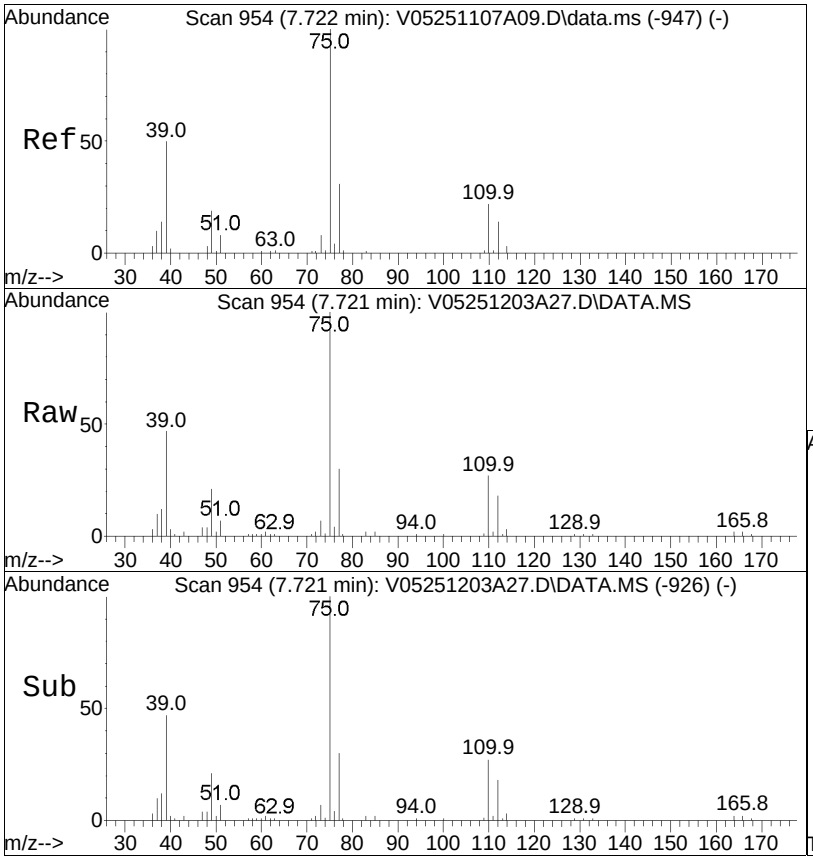


#63
Tetrachloroethene
Concen: 13.36 ug/L
RT: 7.658 min Scan# 945
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:166 Resp: 103790

Ion	Ratio	Lower	Upper
166	100		
168	50.8	29.2	69.2
94	41.8	29.6	69.6

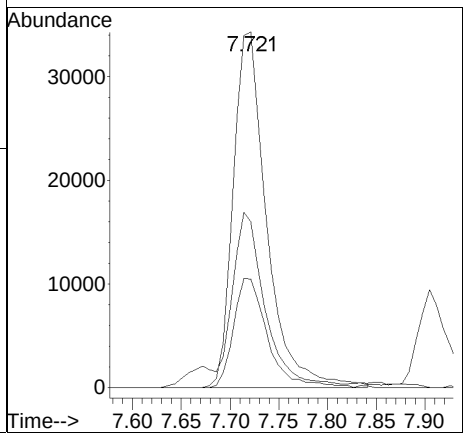


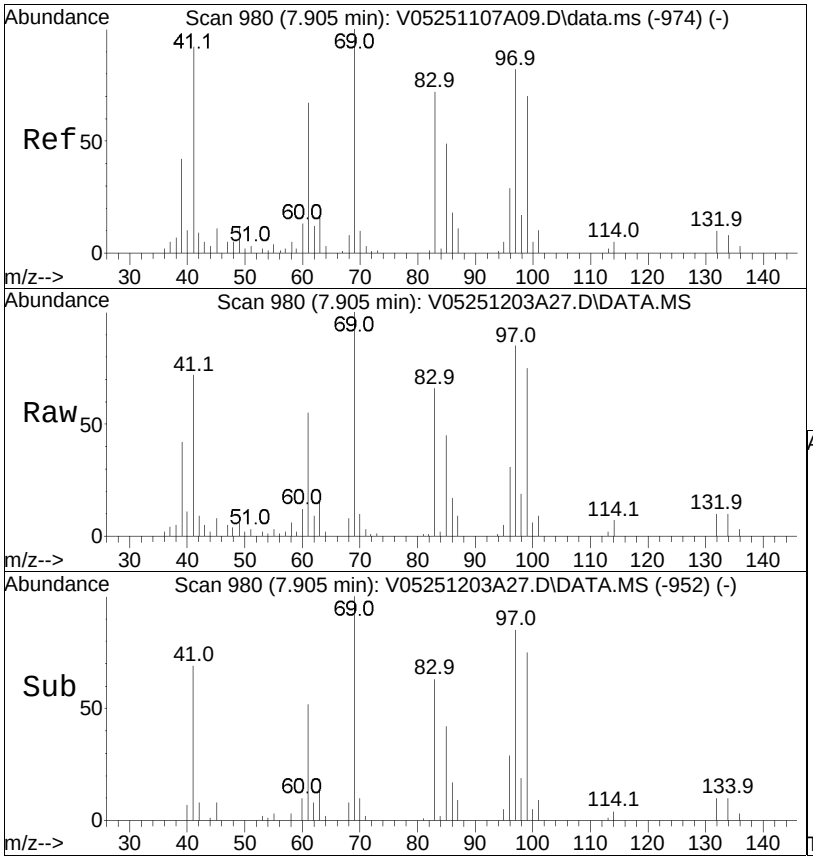


#65
trans-1,3-Dichloropropene
Concen: 8.63 ug/L
RT: 7.721 min Scan# 954
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 75 Resp: 82020

Ion	Ratio	Lower	Upper
75	100		
77	30.9	10.4	50.4
39	52.9	44.9	84.9

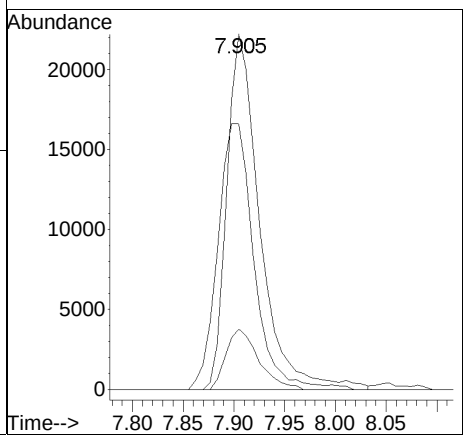


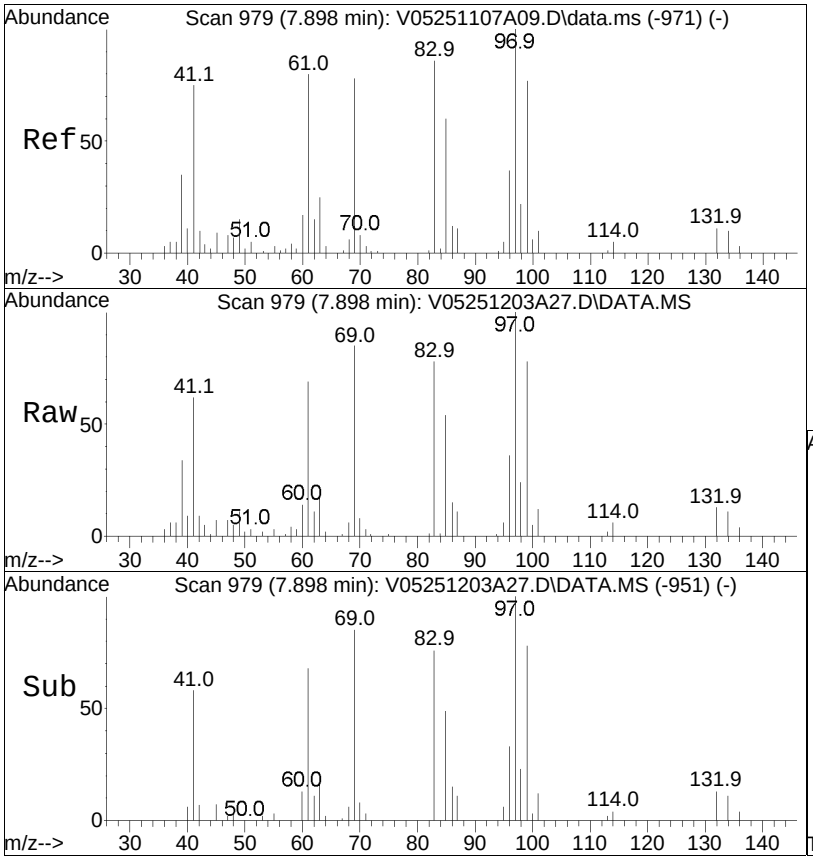


#67
Ethyl methacrylate
Concen: 8.48 ug/L
RT: 7.905 min Scan# 980
Delta R.T. -0.000 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 69 Resp: 50334

Ion	Ratio	Lower	Upper
69	100		
99	81.7	58.2	98.2
86	16.7	0.0	36.3

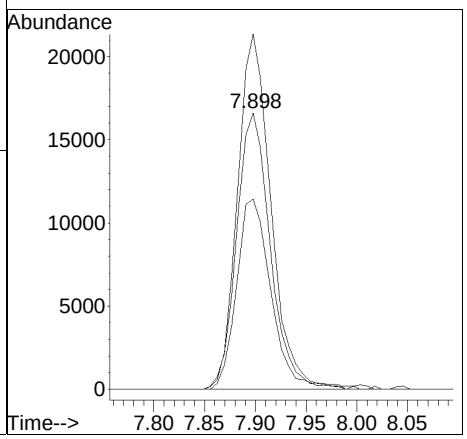


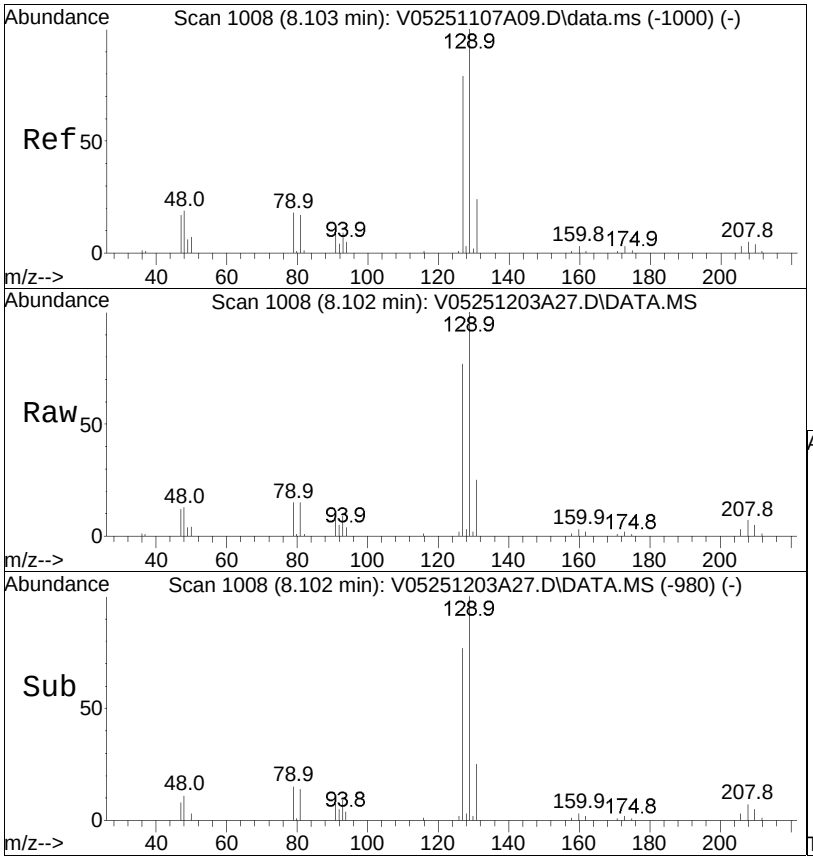


#68
1,1,2-Trichloroethane
Concen: 9.14 ug/L
RT: 7.898 min Scan# 979
Delta R.T. -0.000 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 83 Resp: 38696

Ion	Ratio	Lower	Upper
83	100		
97	126.2	98.0	138.0
85	69.6	50.6	90.6

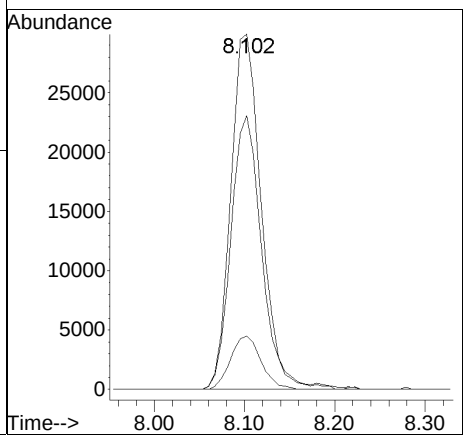


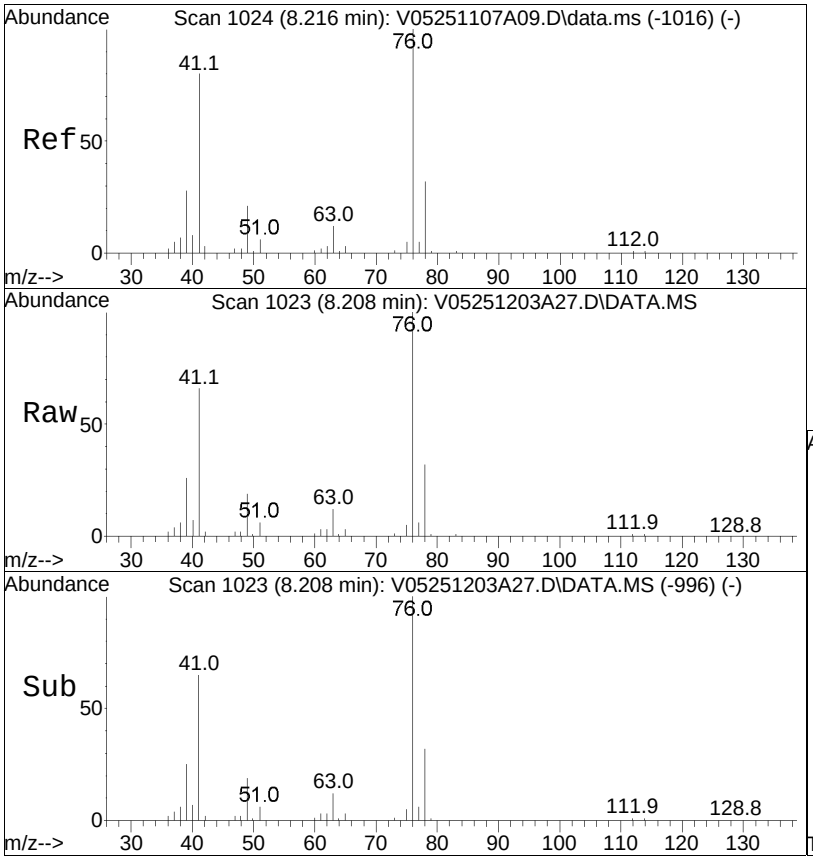


#69
Chlorodibromomethane
Concen: 10.55 ug/L
RT: 8.102 min Scan# 1008
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:129 Resp: 71062

Ion	Ratio	Lower	Upper
129	100		
81	14.9	0.0	37.7
127	76.9	57.1	97.1

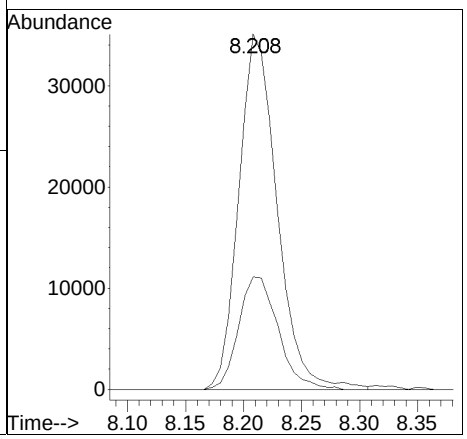


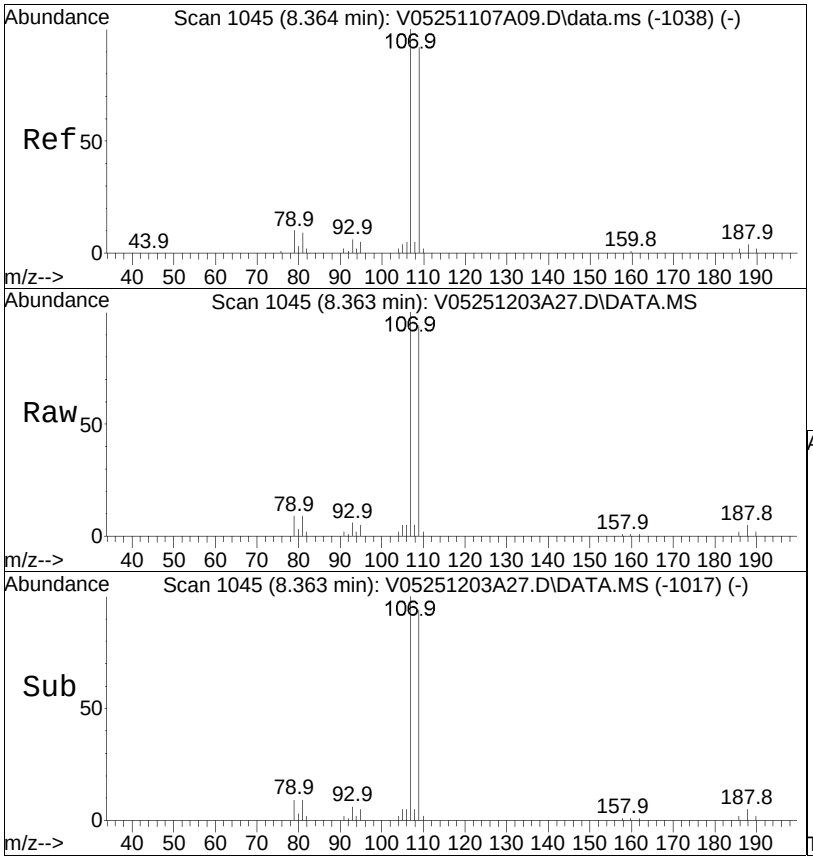


#70
1,3-Dichloropropane
Concen: 8.68 ug/L
RT: 8.208 min Scan# 1023
Delta R.T. -0.008 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 76 Resp: 80542

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.5	38.3

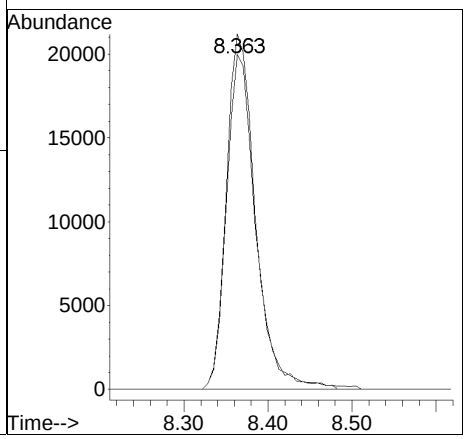


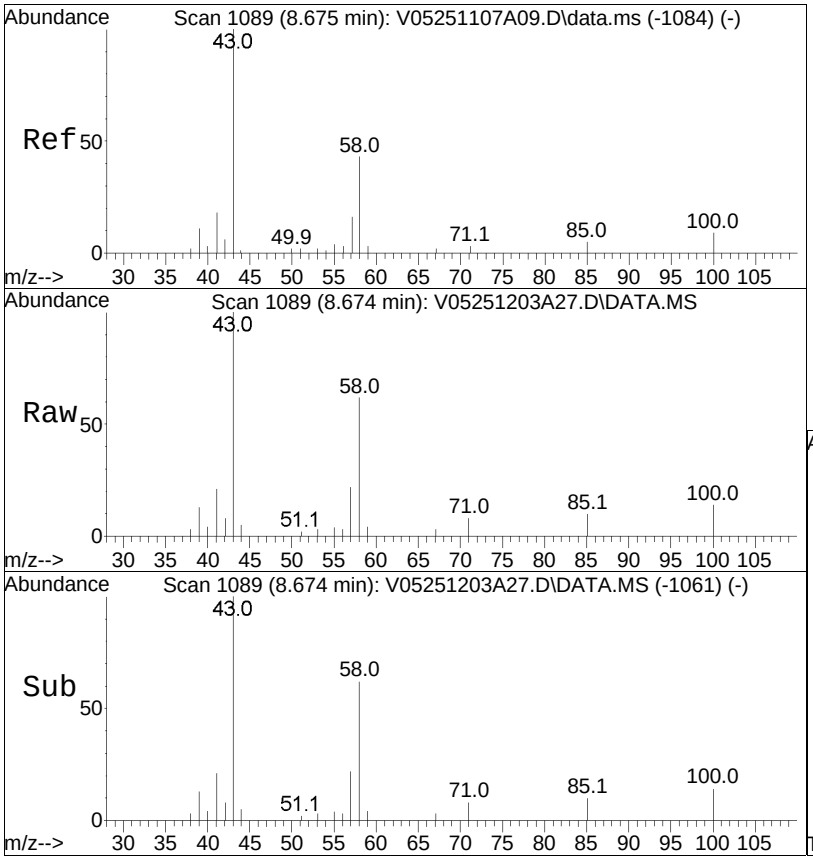


#71
1,2-Dibromoethane
Concen: 10.38 ug/L
RT: 8.363 min Scan# 1045
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:107 Resp: 51539

Ion	Ratio	Lower	Upper
107	100		
109	94.0	74.2	111.2

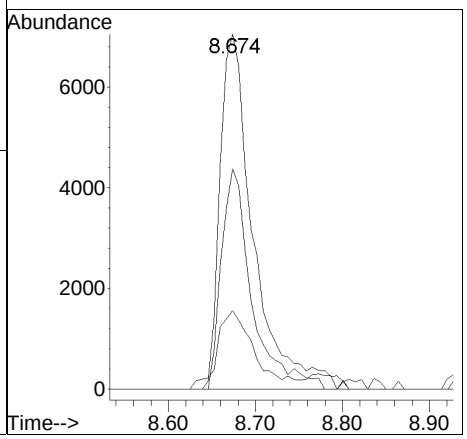


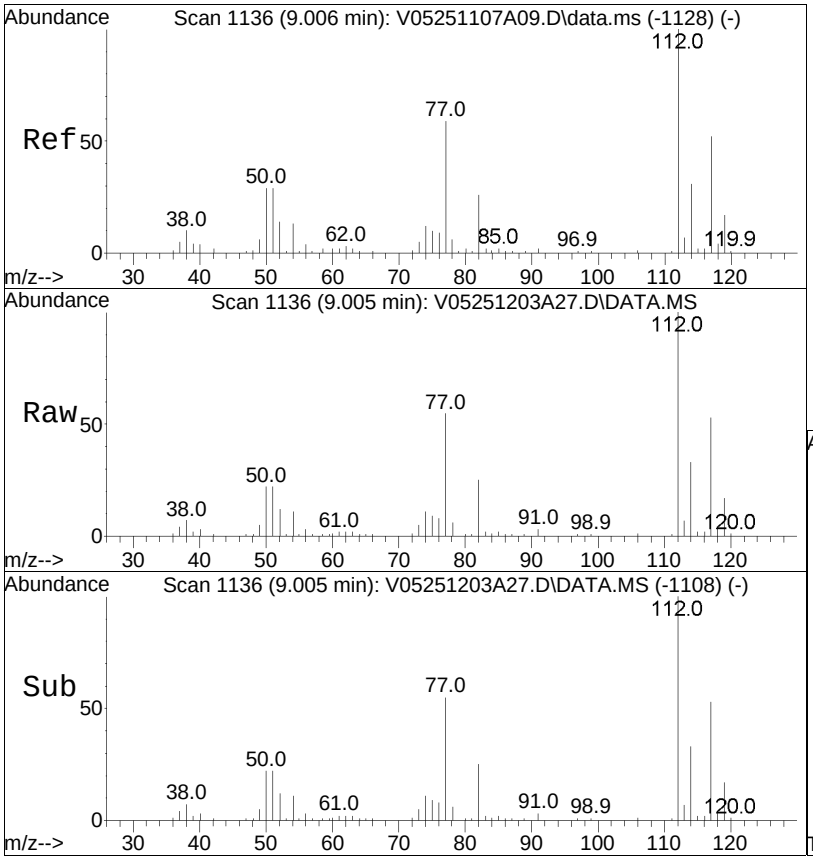


#72
2-Hexanone
Concen: 6.46 ug/L
RT: 8.674 min Scan# 1089
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 43 Resp: 19120

Ion	Ratio	Lower	Upper
43	100		
58	56.1	38.3	57.5
57	24.7	12.8	19.2#

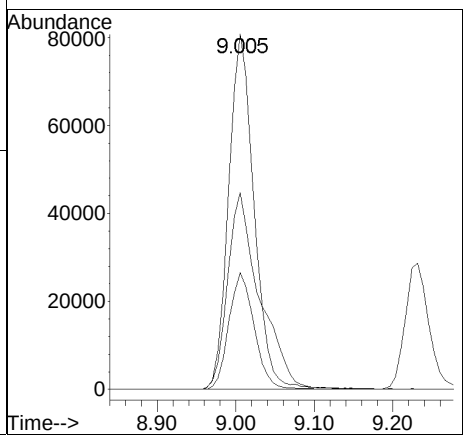


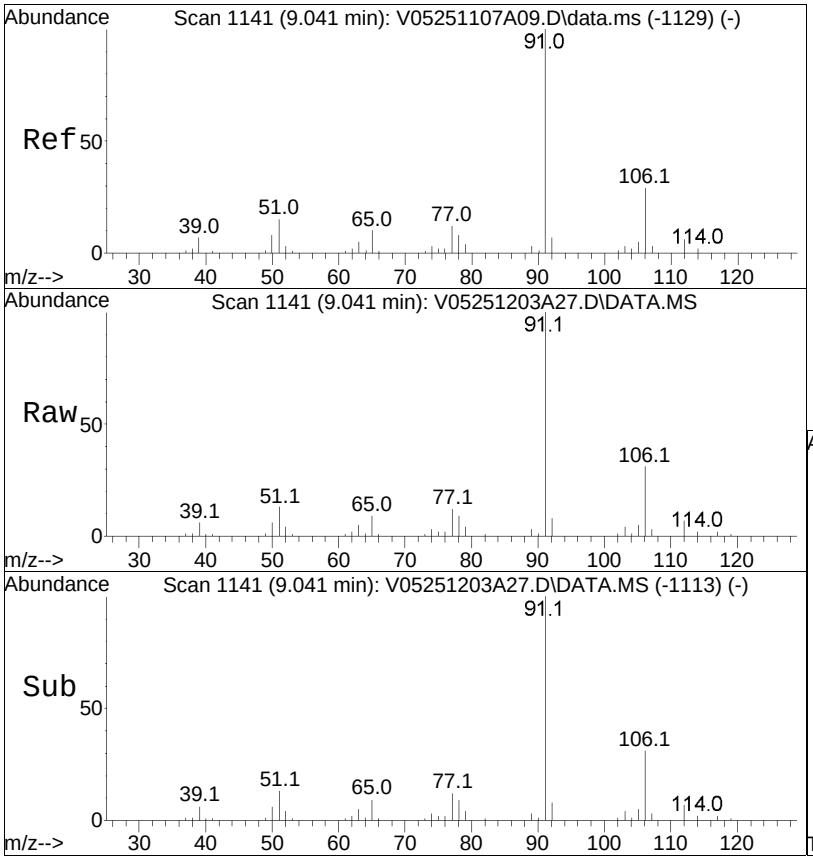


#73
Chlorobenzene
Concen: 9.00 ug/L
RT: 9.005 min Scan# 1136
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:112 Resp: 182185

Ion	Ratio	Lower	Upper
112	100		
77	69.8	62.1	93.1
114	32.7	25.3	37.9

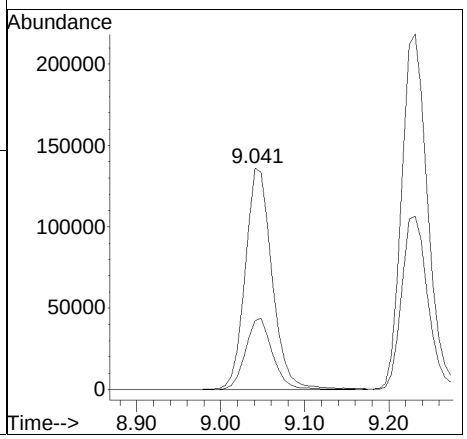


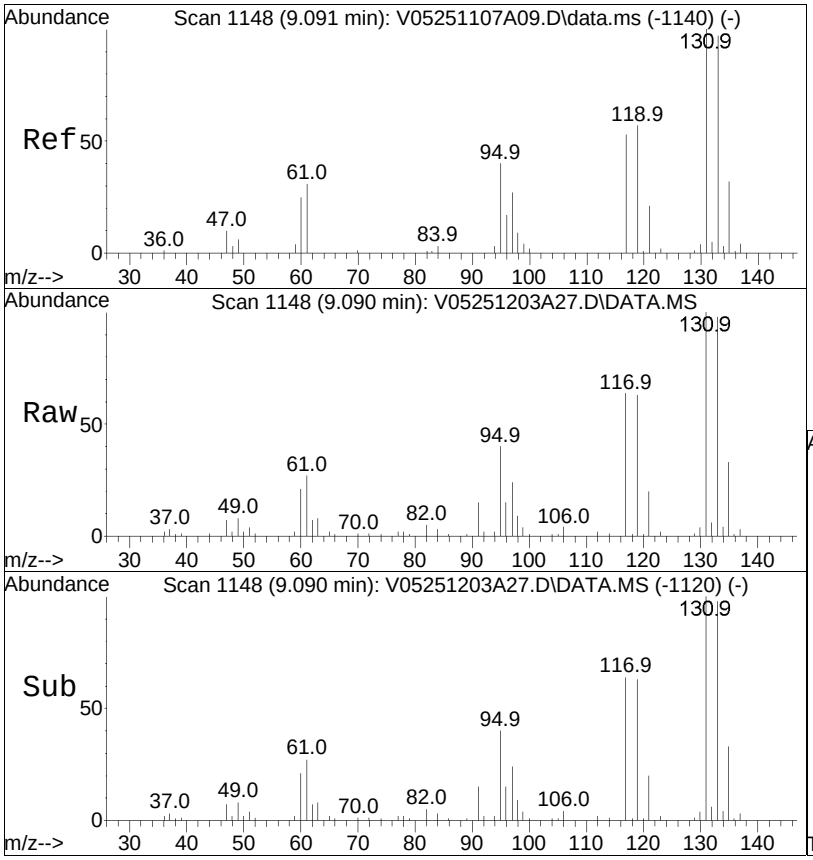


#74
Ethylbenzene
Concen: 8.54 ug/L
RT: 9.041 min Scan# 1141
Delta R.T. -0.000 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 91 Resp: 302633

Ion	Ratio	Lower	Upper
91	100		
106	32.0	24.2	36.2

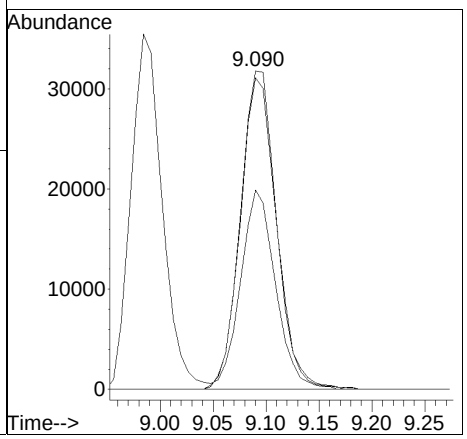


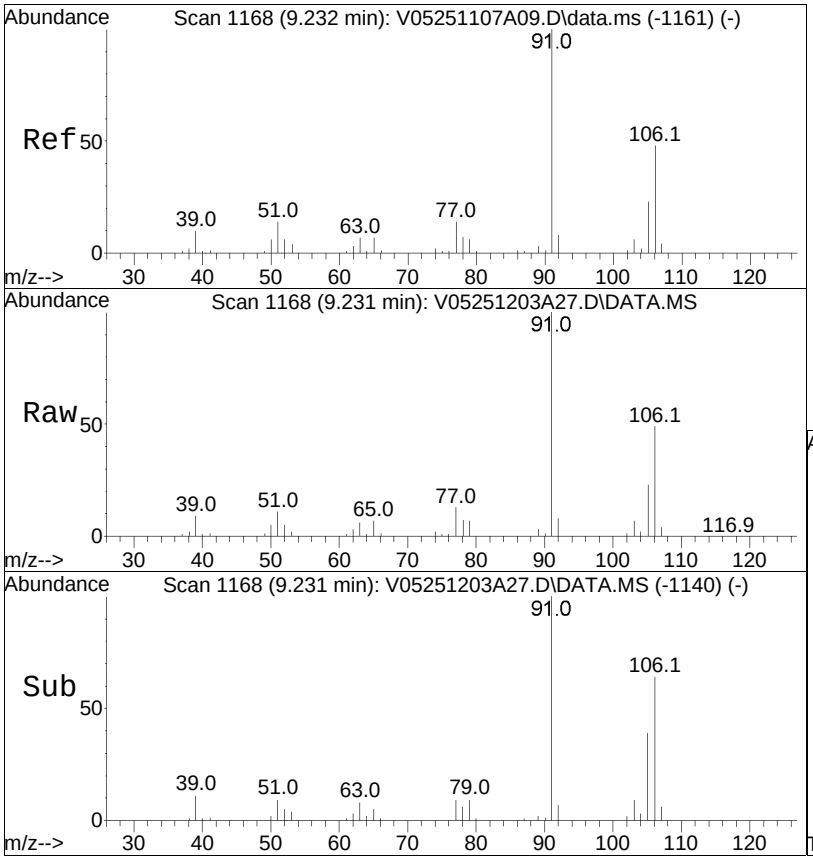


#75
1,1,1,2-Tetrachloroethane
Concen: 10.37 ug/L
RT: 9.090 min Scan# 1148
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:131 Resp: 75624

Ion	Ratio	Lower	Upper
131	100		
133	97.6	77.7	117.7
119	60.4	43.0	83.0

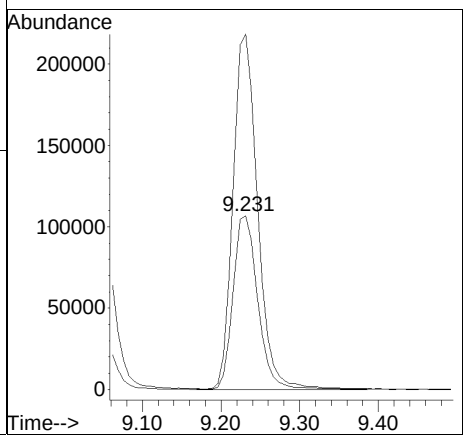


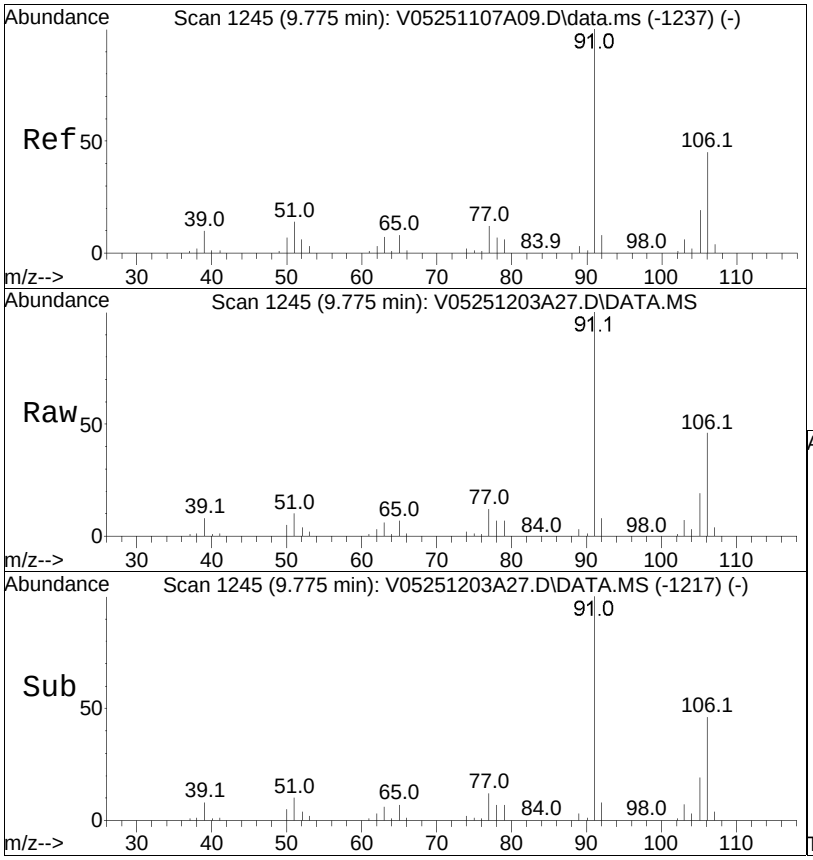


#76
p/m Xylene
Concen: 17.71 ug/L
RT: 9.231 min Scan# 1168
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:106 Resp: 233480

Ion	Ratio	Lower	Upper
106	100		
91	201.6	164.9	247.3

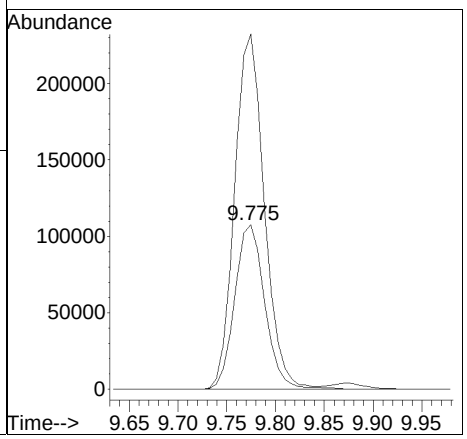


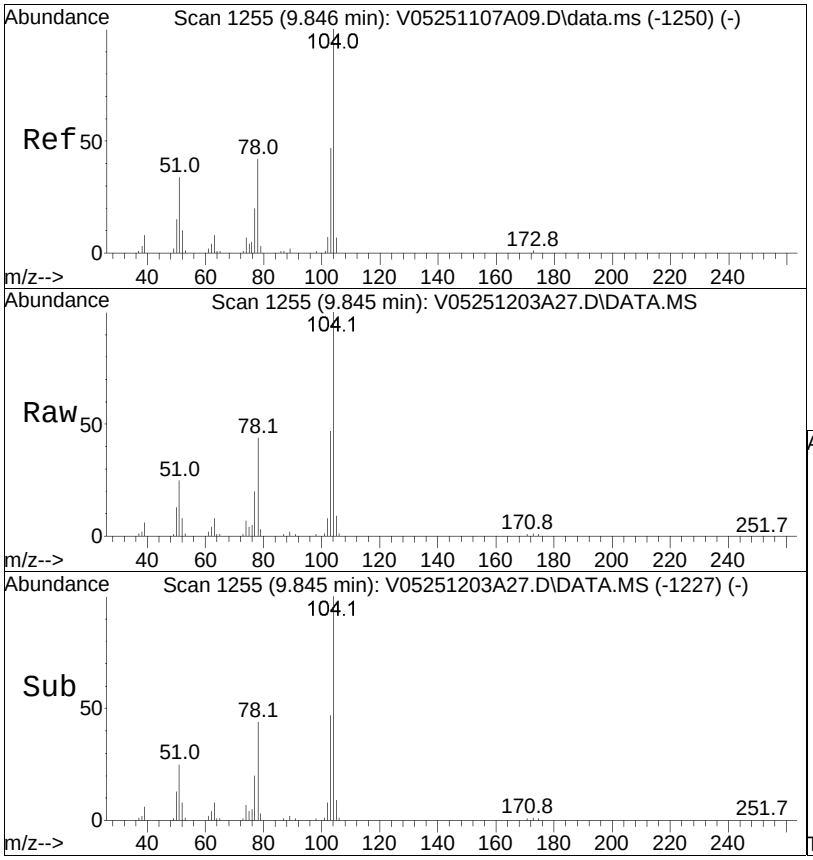


#77
o Xylene
Concen: 18.33 ug/L
RT: 9.775 min Scan# 1245
Delta R.T. -0.000 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:106 Resp: 231683

Ion	Ratio	Lower	Upper
106	100		
91	211.7	174.7	262.1

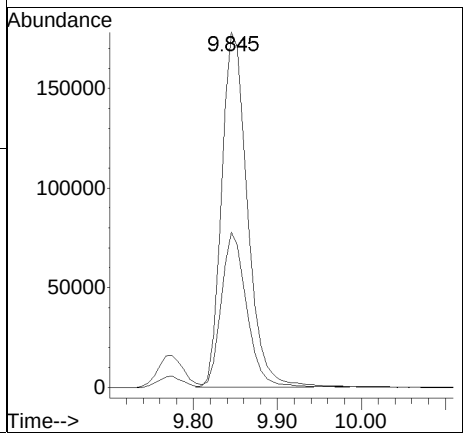


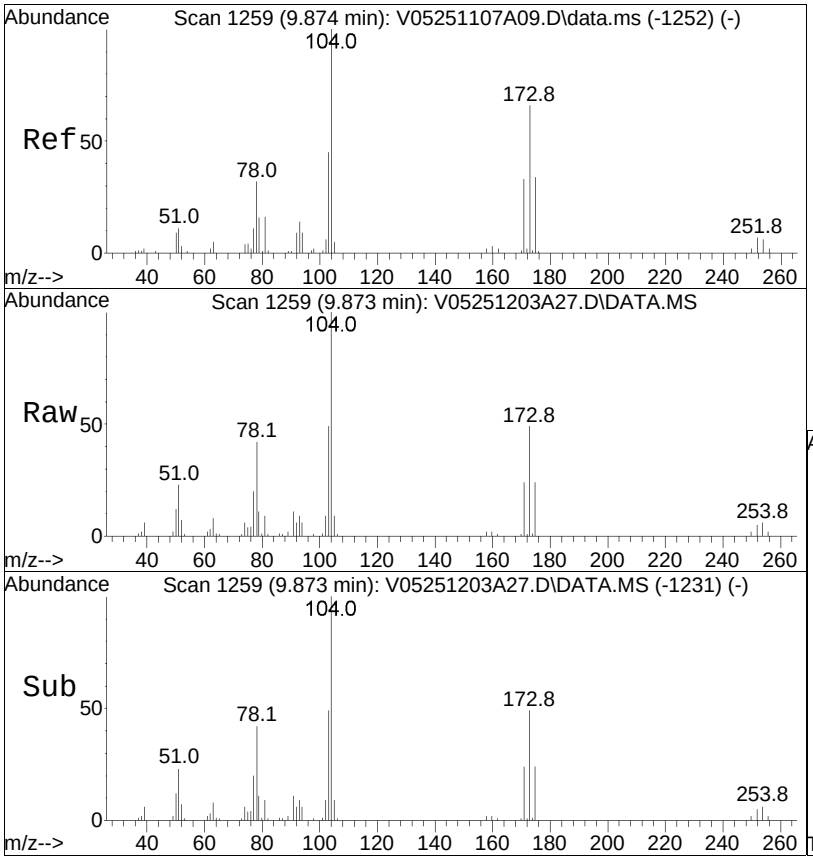


#78
Styrene
Concen: 18.35 ug/L
RT: 9.845 min Scan# 1255
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:104 Resp: 378775

Ion	Ratio	Lower	Upper
104	100		
78	43.0	35.0	52.4

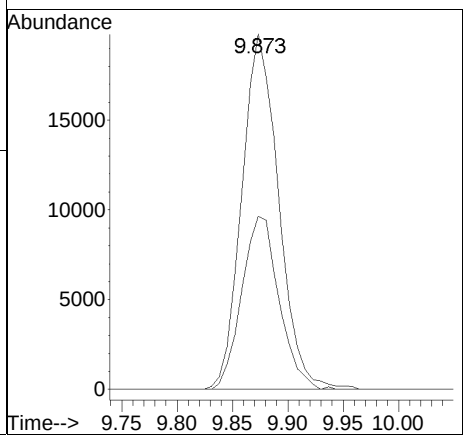


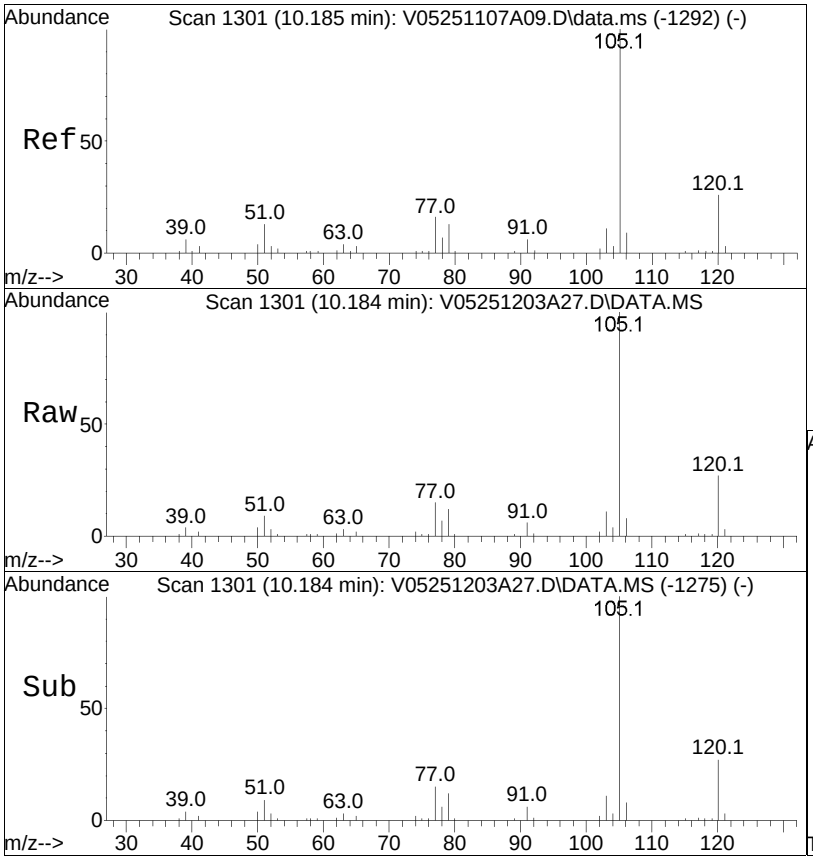


#80
Bromoform
Concen: 9.92 ug/L
RT: 9.873 min Scan# 1259
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:173 Resp: 45789

Ion	Ratio	Lower	Upper
173	100		
175	49.4	29.6	69.6

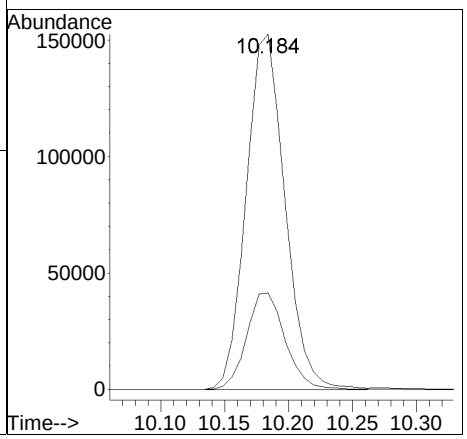


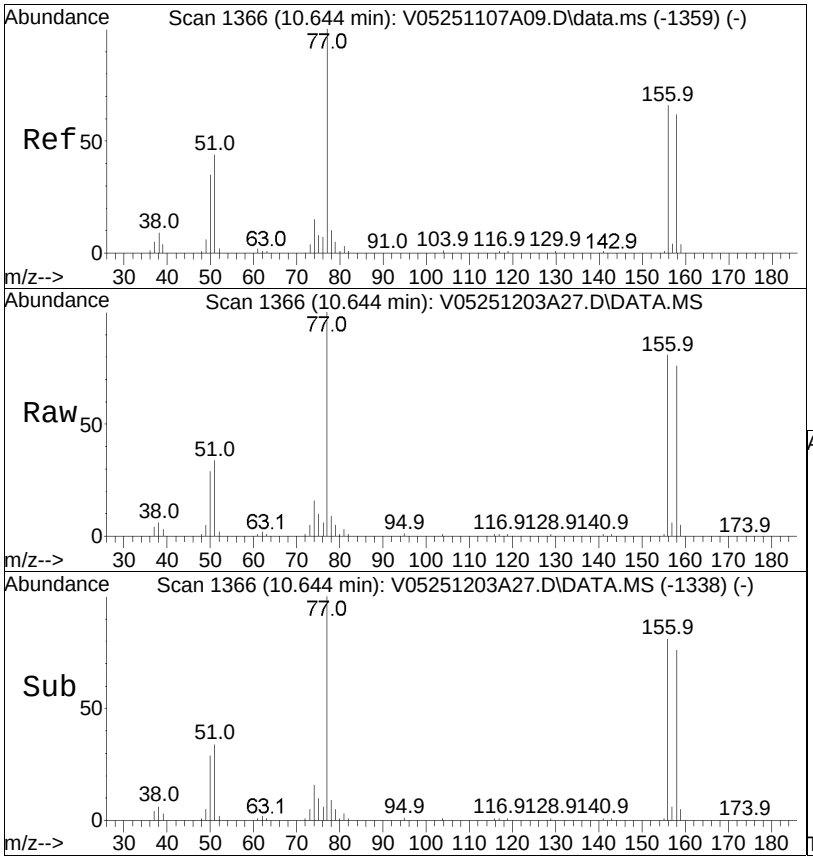


#82
Isopropylbenzene
Concen: 7.68 ug/L
RT: 10.184 min Scan# 1301
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:105 Resp: 320770

Ion	Ratio	Lower	Upper
105	100		
120	27.1	6.1	46.1

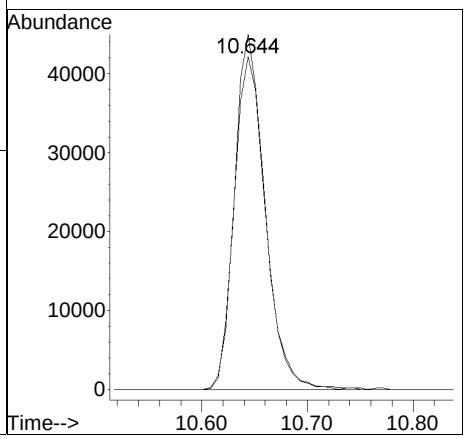


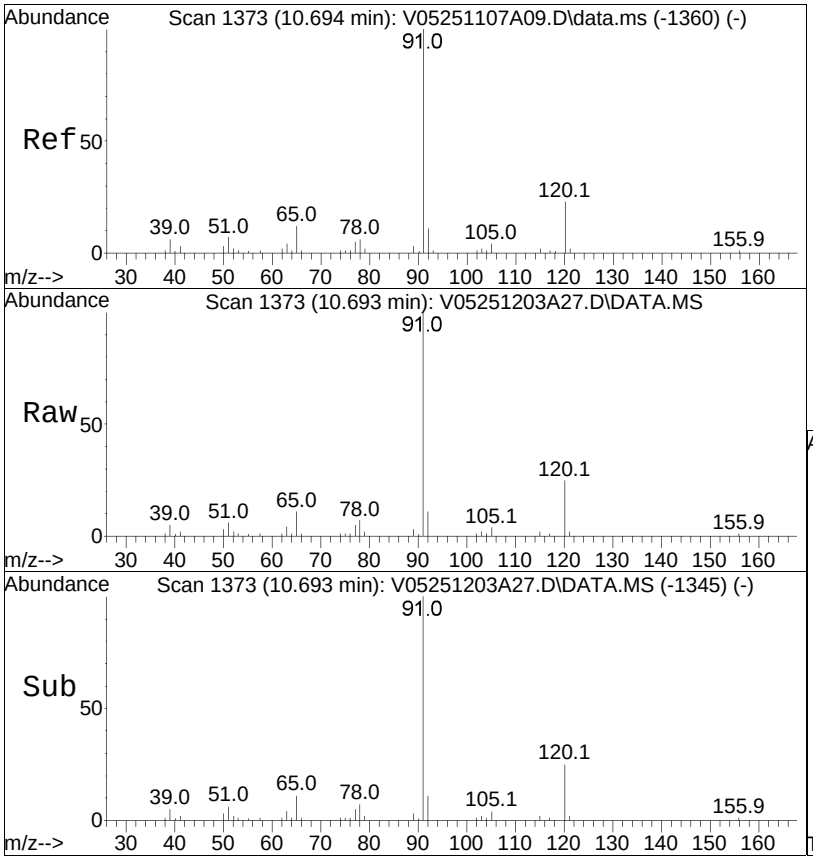


#84
Bromobenzene
Concen: 9.28 ug/L
RT: 10.644 min Scan# 1366
Delta R.T. -0.000 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:156 Resp: 90515

Ion	Ratio	Lower	Upper
156	100		
158	96.0	76.3	114.5

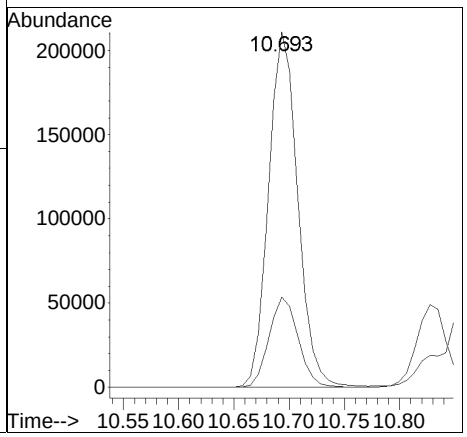


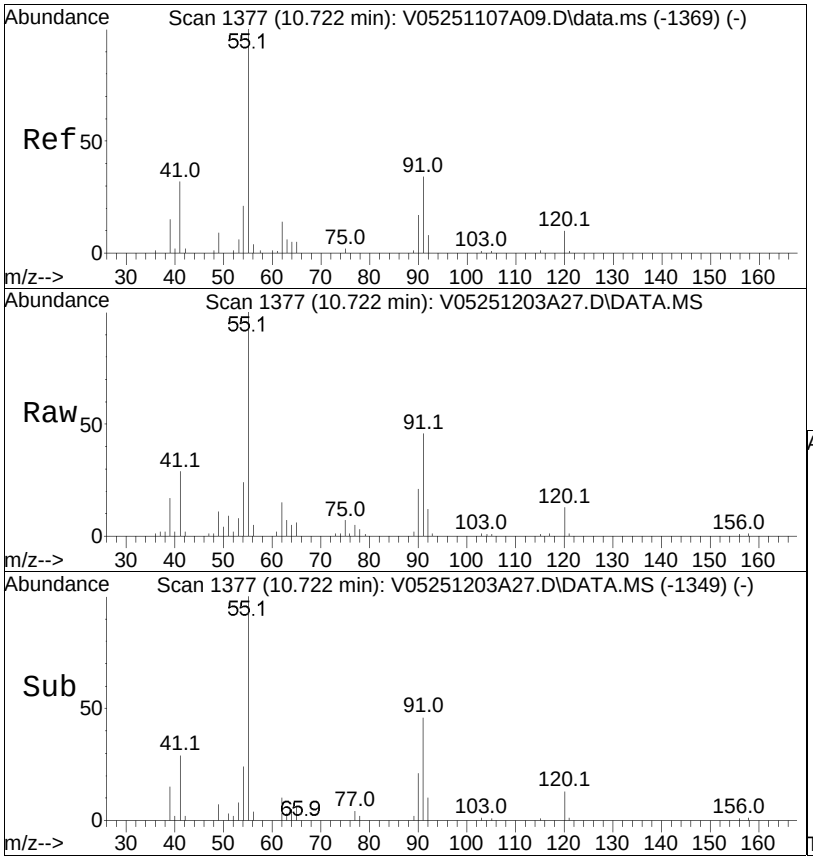


#85
n-Propylbenzene
Concen: 7.75 ug/L
RT: 10.693 min Scan# 1373
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 91 Resp: 388726

Ion	Ratio	Lower	Upper
91	100		
120	25.4	18.3	27.5

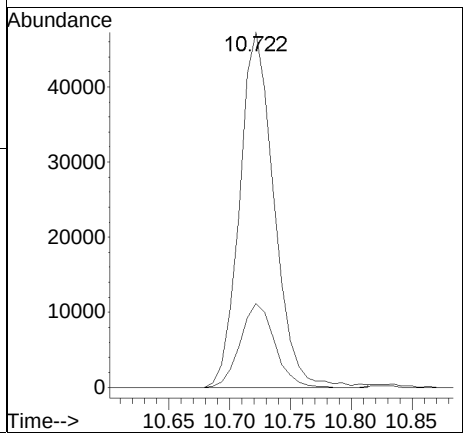


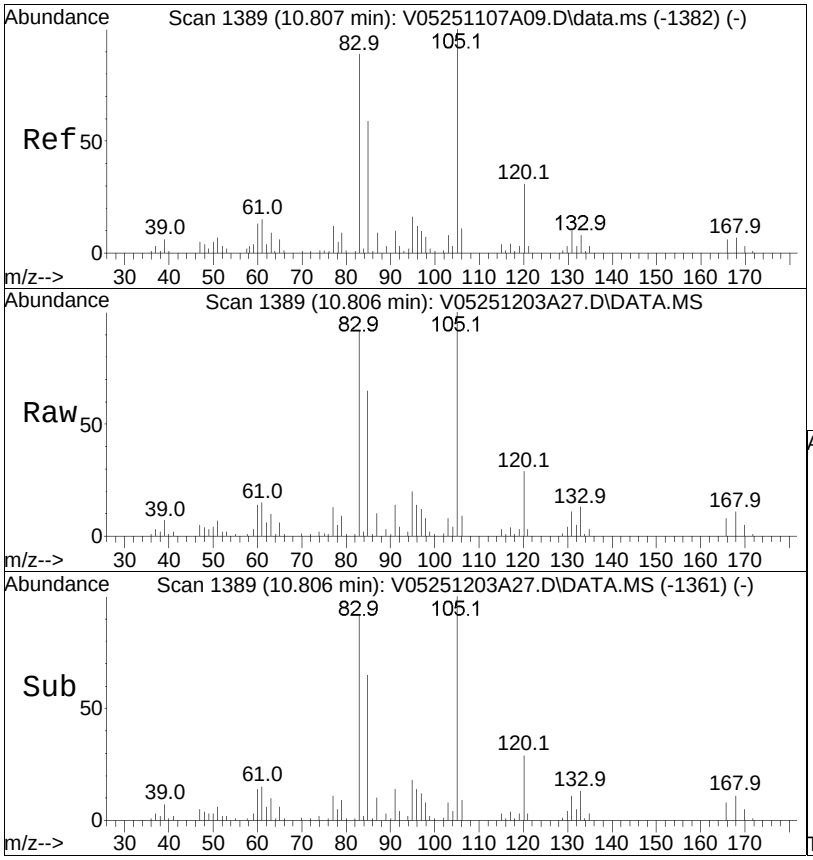


#86
1,4-Dichlorobutane
Concen: 6.94 ug/L
RT: 10.722 min Scan# 1377
Delta R.T. -0.000 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 55 Resp: 93274

Ion	Ratio	Lower	Upper
55	100		
54	23.6	16.6	24.8

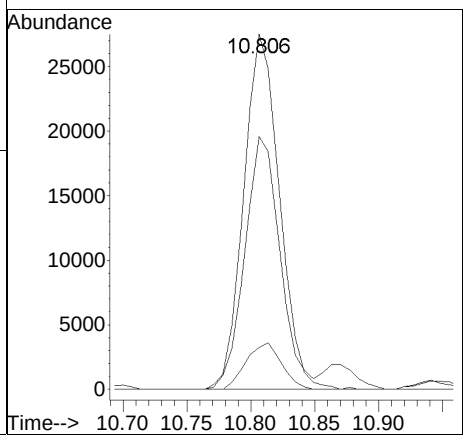


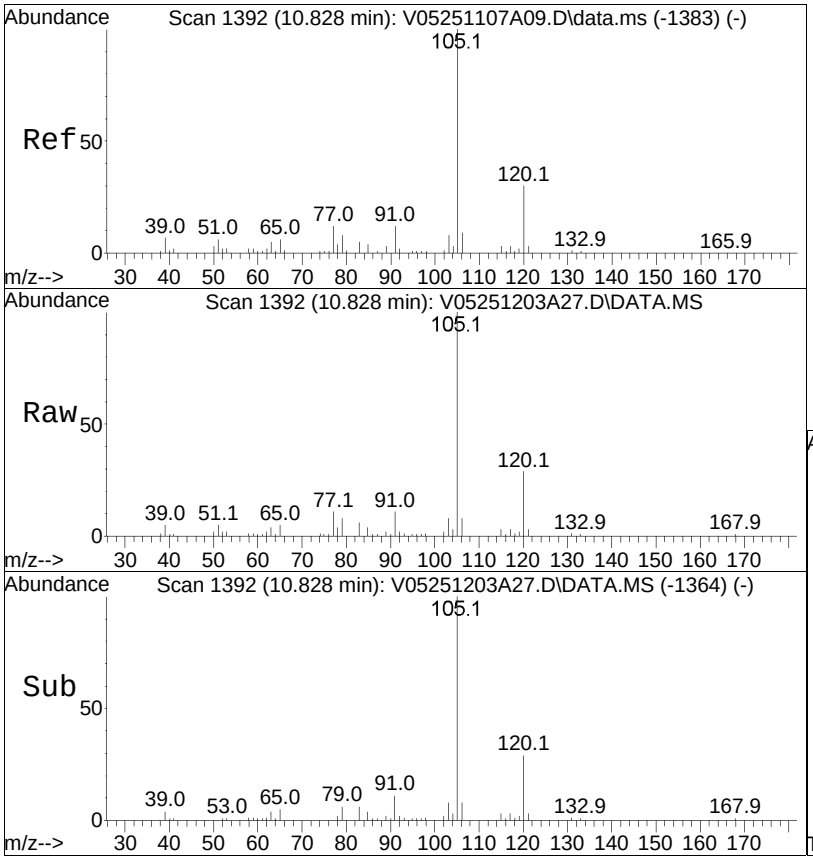


#87
1,1,2,2-Tetrachloroethane
Concen: 8.00 ug/L
RT: 10.806 min Scan# 1389
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 83 Resp: 53580

Ion	Ratio	Lower	Upper
83	100		
131	13.0	0.0	30.8
85	70.3	47.6	87.6

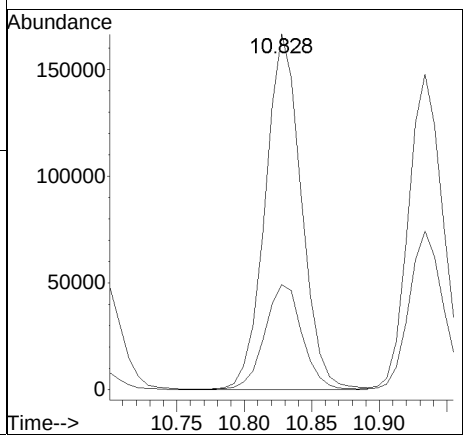


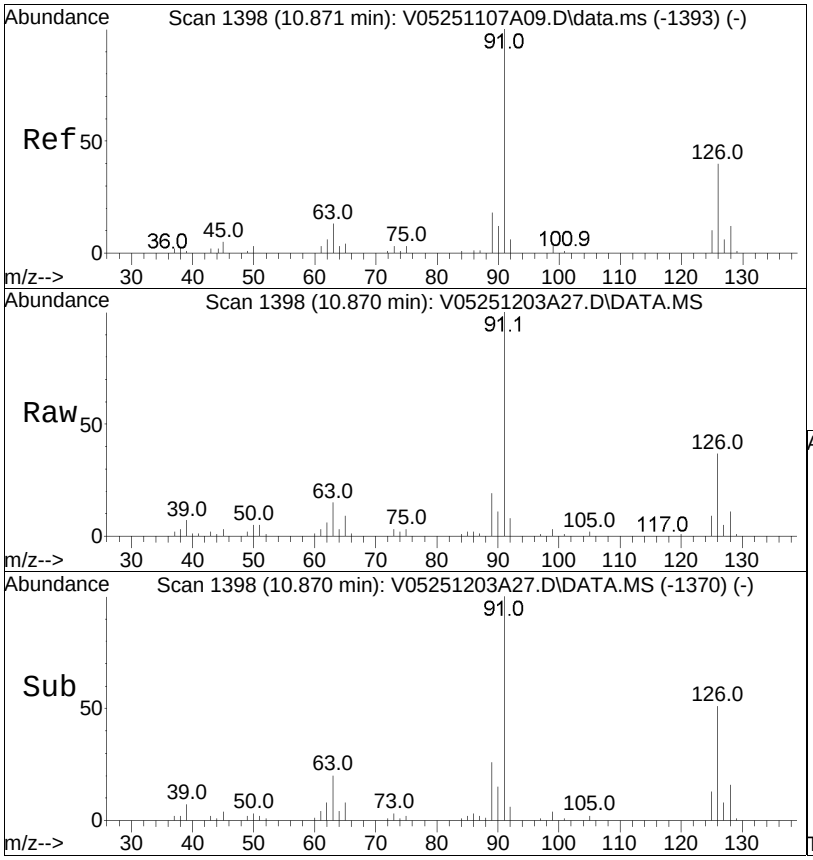


#88
4-Ethyltoluene
Concen: 7.61 ug/L
RT: 10.828 min Scan# 1392
Delta R.T. -0.000 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:105 Resp: 309223

Ion	Ratio	Lower	Upper
105	100		
120	30.2	19.2	40.0

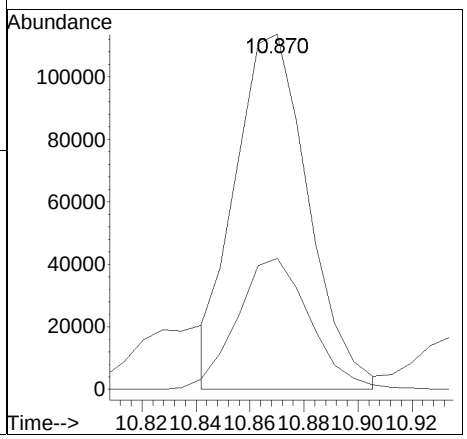


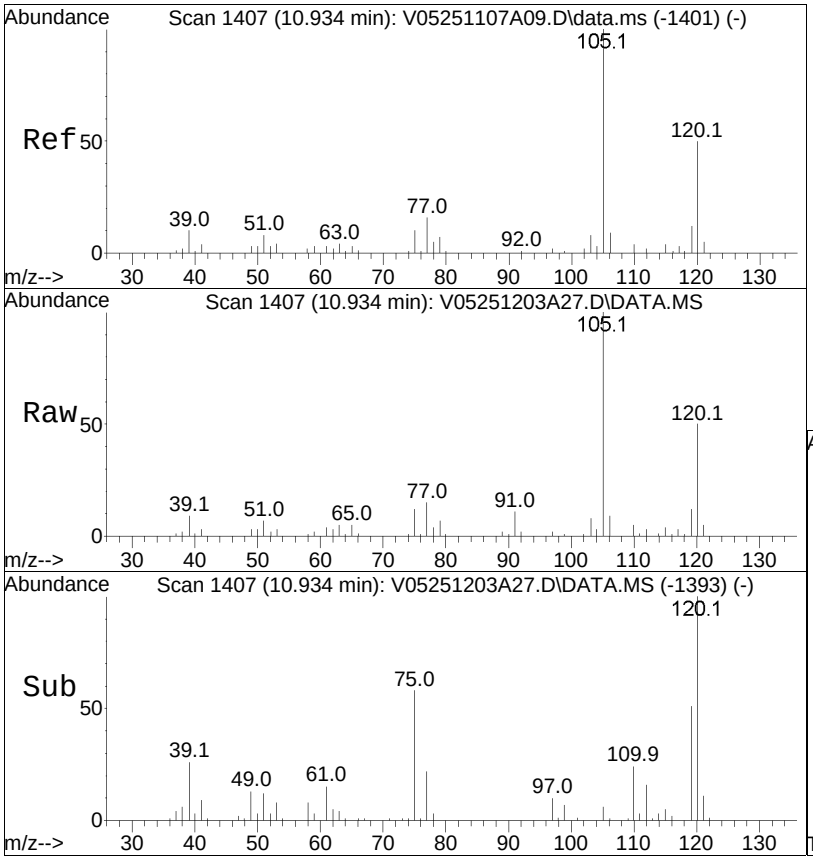


#89
2-Chlorotoluene
Concen: 7.14 ug/L M6
RT: 10.870 min Scan# 1398
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 91 Resp: 214252

Ion	Ratio	Lower	Upper
91	100		
126	37.0	26.1	39.1

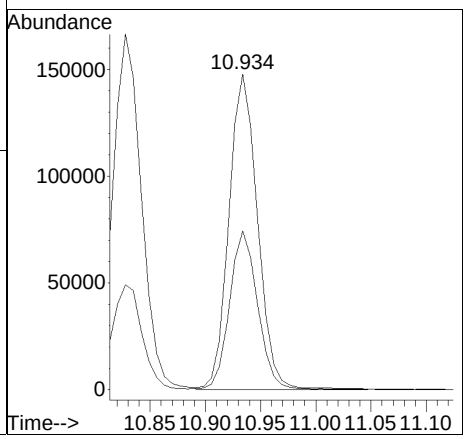


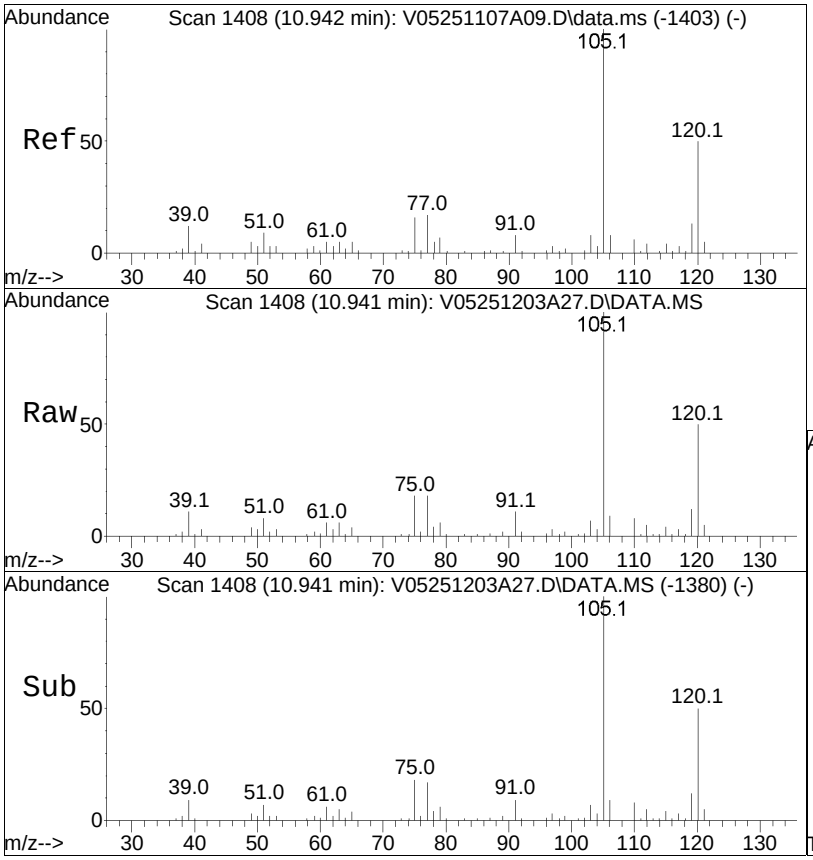


#90
1,3,5-Trimethylbenzene
Concen: 7.63 ug/L
RT: 10.934 min Scan# 1407
Delta R.T. -0.000 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:105 Resp: 266006

Ion	Ratio	Lower	Upper
105	100		
120	49.4	38.5	57.7

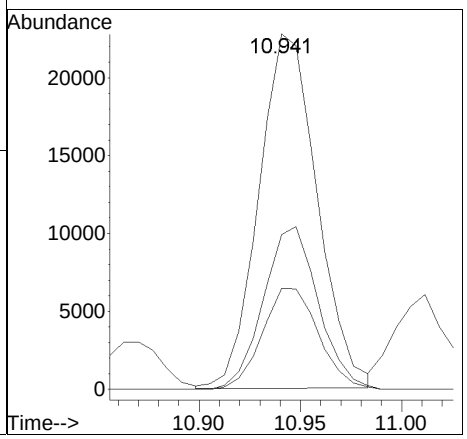


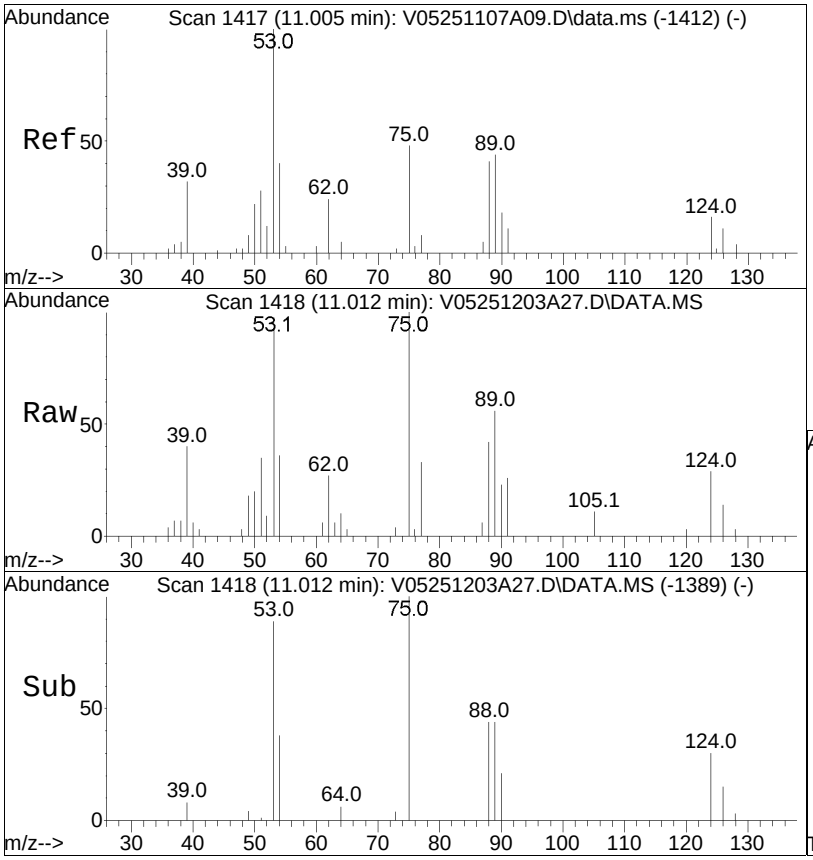


#91
1,2,3-Trichloropropane
Concen: 7.88 ug/L
RT: 10.941 min Scan# 1408
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 75 Resp: 45579

Ion	Ratio	Lower	Upper
75	100		
110	43.1	24.2	50.2
112	27.6	15.1	31.5

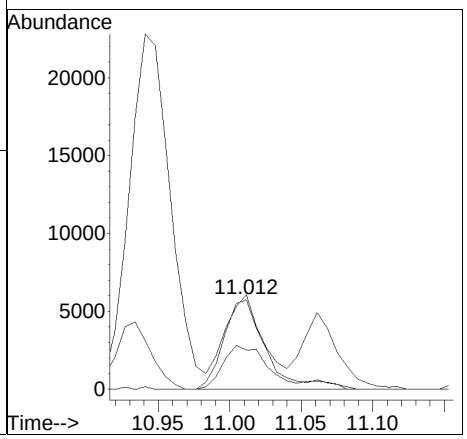


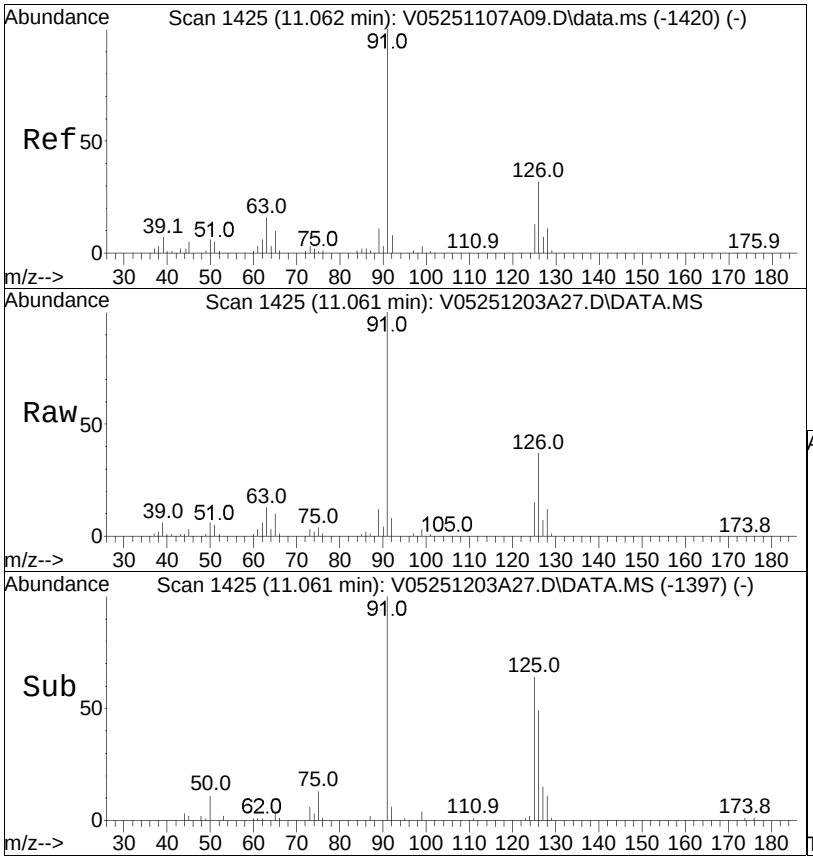


#92
trans-1,4-Dichloro-2-butene
Concen: 5.07 ug/L
RT: 11.012 min Scan# 1418
Delta R.T. 0.007 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 53 Resp: 11885

Ion	Ratio	Lower	Upper
53	100		
88	51.1	31.1	46.7#
75	94.9	64.8	97.2

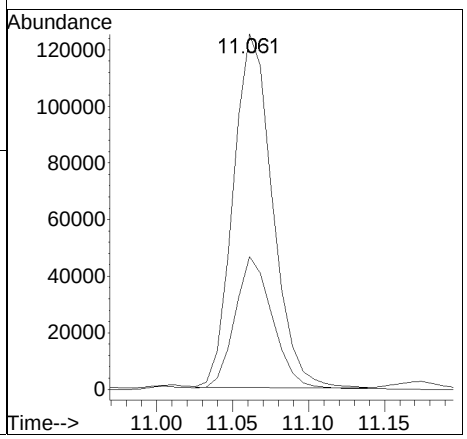


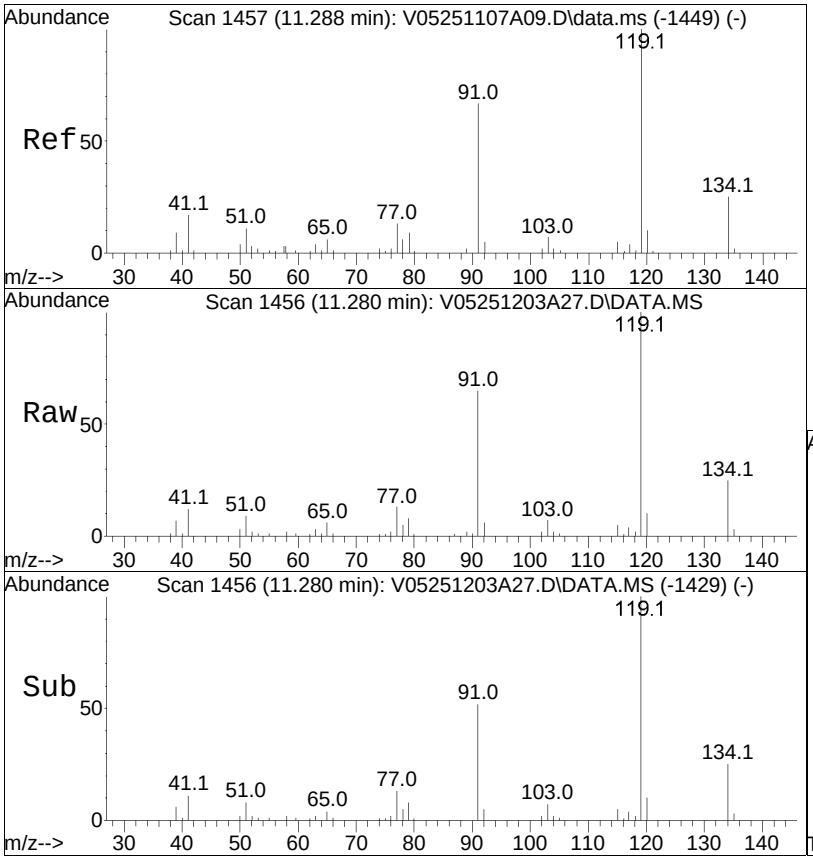


#93
4-Chlorotoluene
Concen: 7.24 ug/L
RT: 11.061 min Scan# 1425
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 91 Resp: 223972

Ion	Ratio	Lower	Upper
91	100		
126	36.7	27.0	40.6

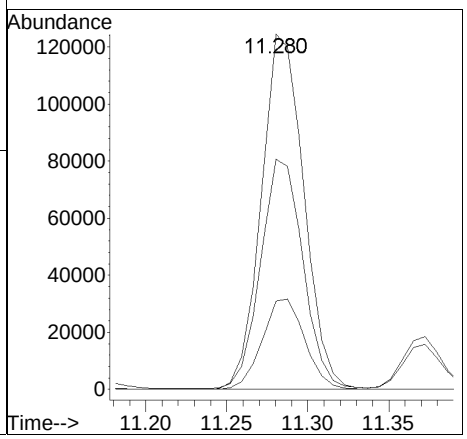


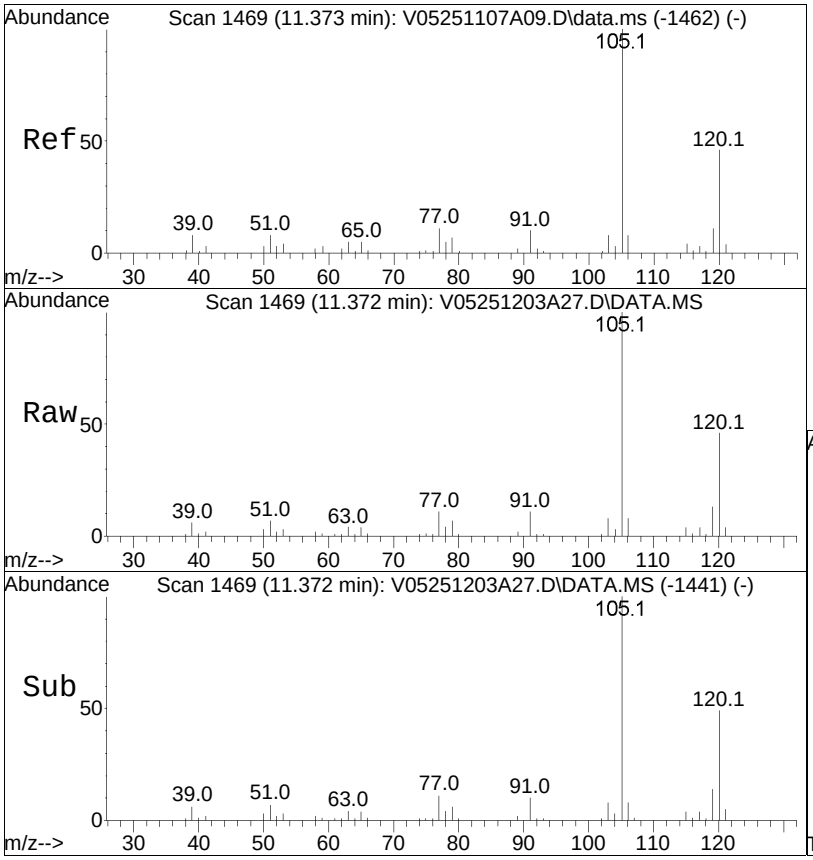


#94
tert-Butylbenzene
Concen: 7.58 ug/L
RT: 11.280 min Scan# 1456
Delta R.T. -0.008 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:119 Resp: 227255

Ion	Ratio	Lower	Upper
119	100		
91	64.5	53.8	80.6
134	25.6	19.9	29.9

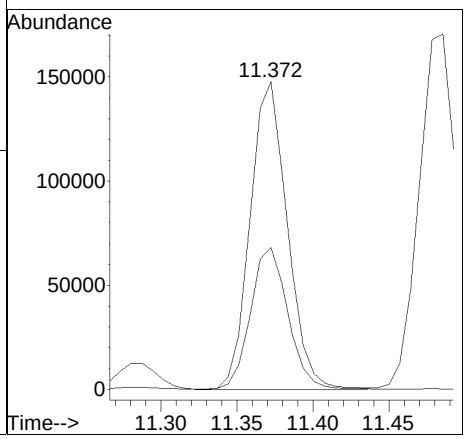


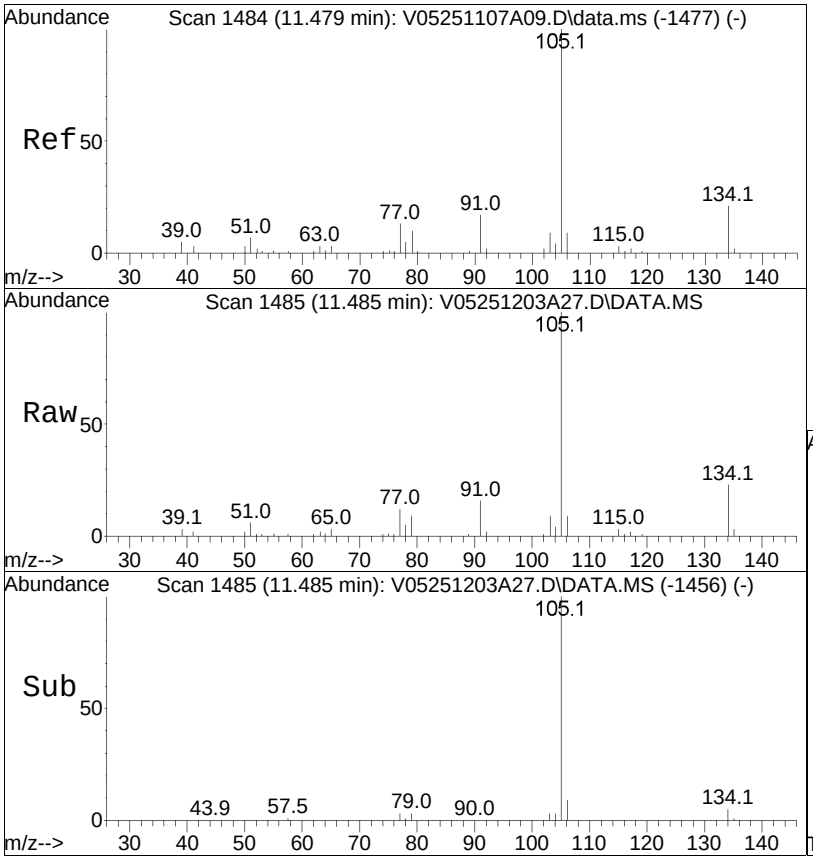


#97
1,2,4-Trimethylbenzene
Concen: 7.53 ug/L
RT: 11.372 min Scan# 1469
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:105 Resp: 251755

Ion	Ratio	Lower	Upper
105	100		
120	46.0	36.6	54.8

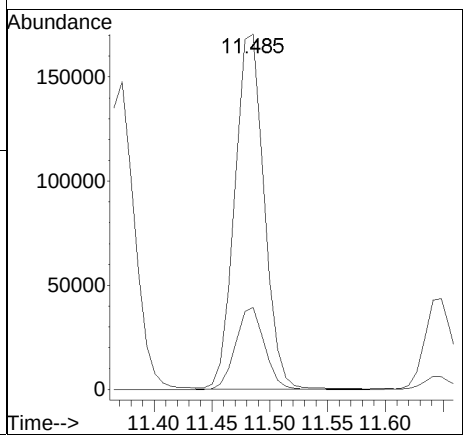


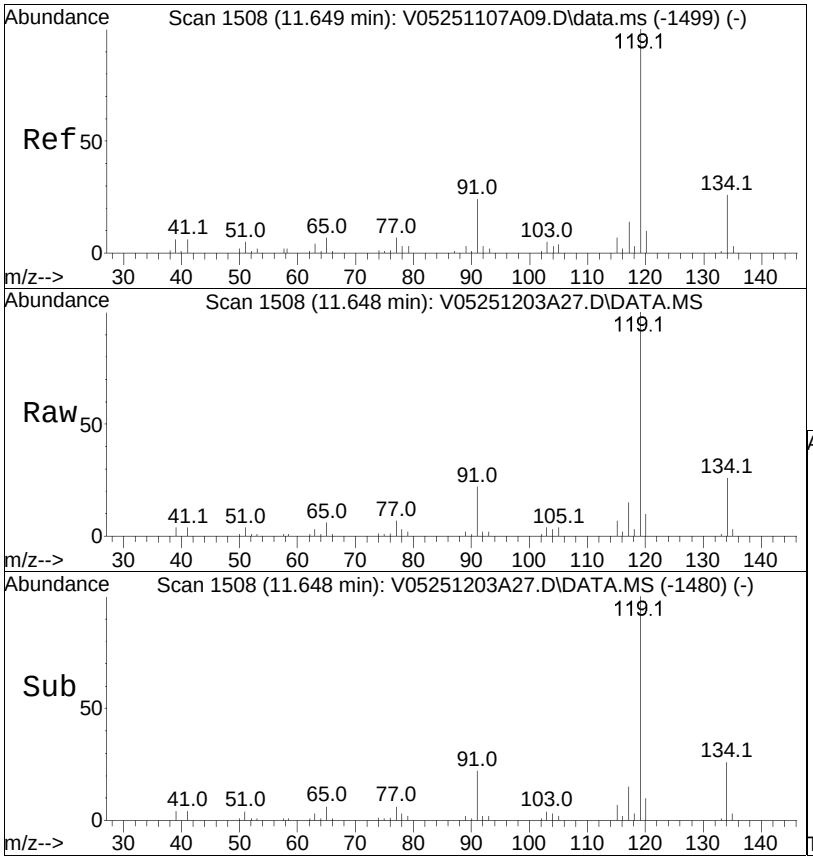


#98
sec-Butylbenzene
Concen: 7.04 ug/L
RT: 11.485 min Scan# 1485
Delta R.T. 0.006 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:105 Resp: 300282

Ion	Ratio	Lower	Upper
105	100		
134	22.7	13.7	28.5

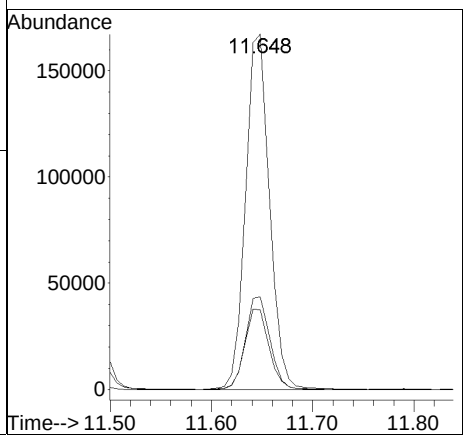


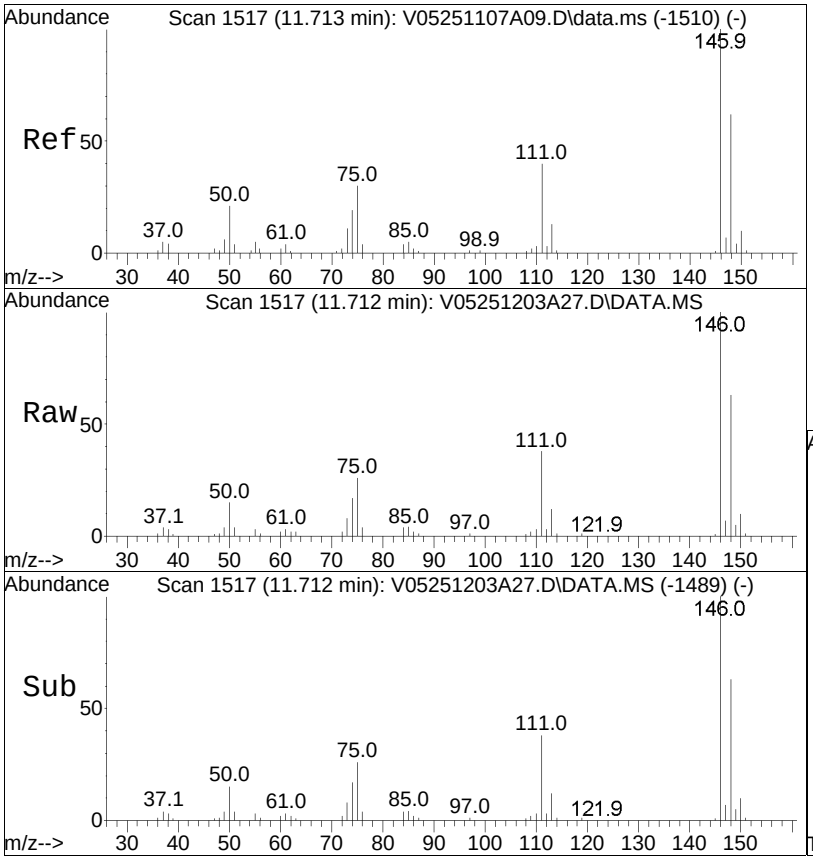


#99
p-Isopropyltoluene
Concen: 6.92 ug/L
RT: 11.648 min Scan# 1508
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:119 Resp: 275647

Ion	Ratio	Lower	Upper
119	100		
134	26.5	16.8	35.0
91	23.1	15.9	32.9

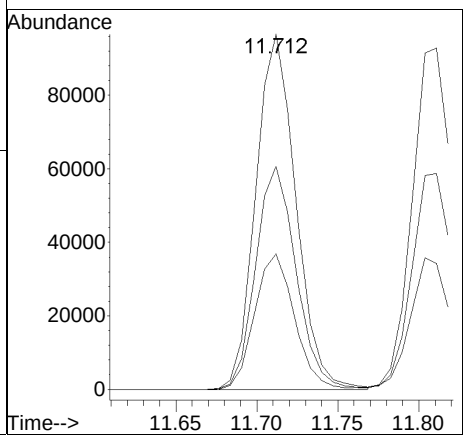


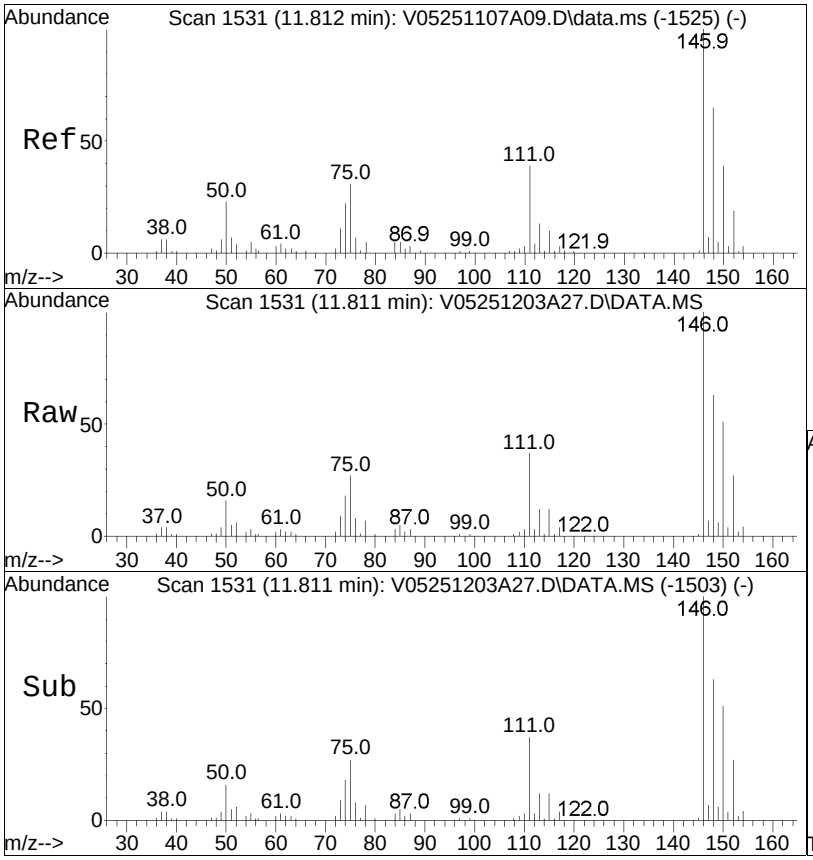


#100
1,3-Dichlorobenzene
Concen: 8.76 ug/L
RT: 11.712 min Scan# 1517
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:146 Resp: 165859

Ion	Ratio	Lower	Upper
146	100		
111	38.1	26.7	55.4
148	63.4	41.5	86.1

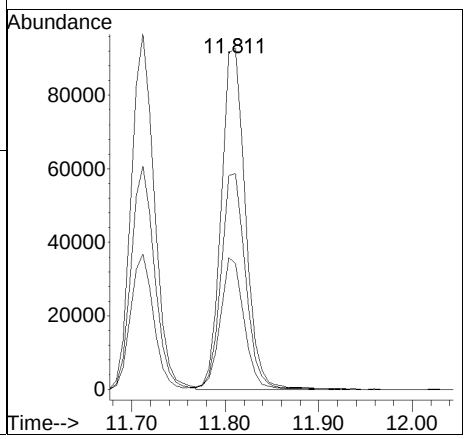


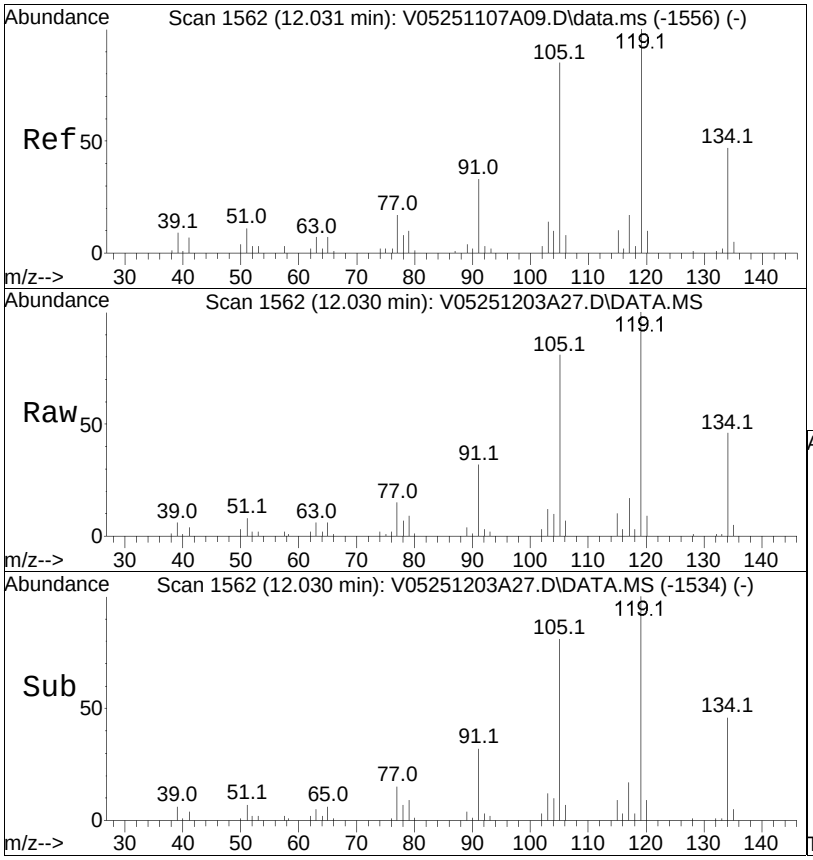


#101
1,4-Dichlorobenzene
Concen: 8.46 ug/L
RT: 11.811 min Scan# 1531
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:146 Resp: 167275

Ion	Ratio	Lower	Upper
146	100		
111	37.8	32.2	48.4
148	64.1	51.7	77.5

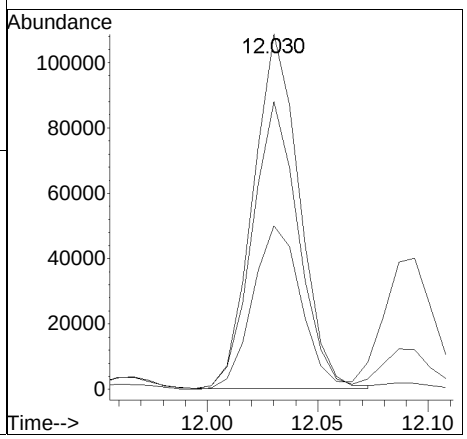


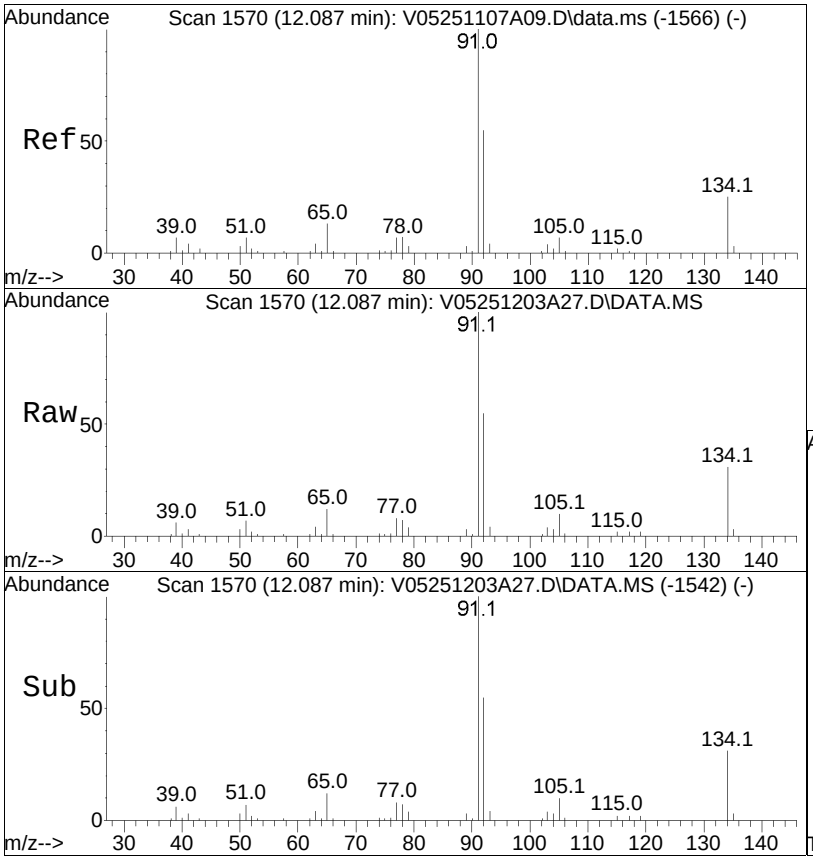


#102
p-Diethylbenzene
Concen: 7.03 ug/L
RT: 12.030 min Scan# 1562
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:119 Resp: 158336

Ion	Ratio	Lower	Upper
119	100		
105	81.1	53.8	111.6
134	48.8	30.0	62.2

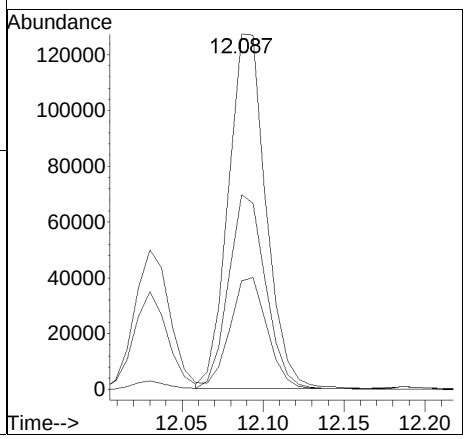


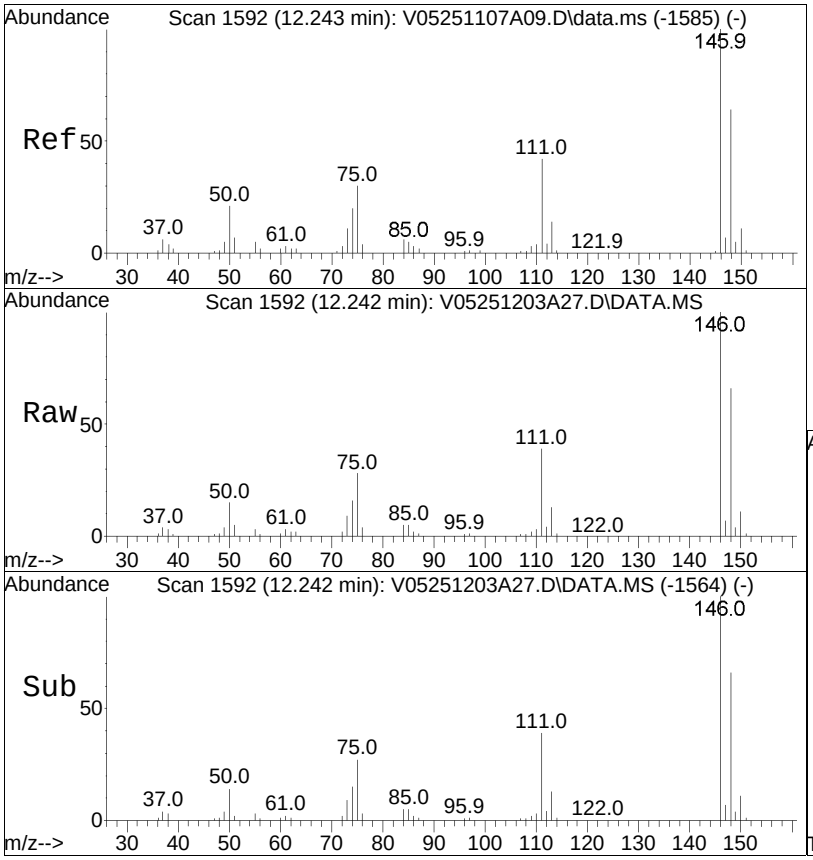


#103
n-Butylbenzene
Concen: 6.35 ug/L
RT: 12.087 min Scan# 1570
Delta R.T. -0.000 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion: 91 Resp: 205346

Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.3	64.9
134	31.4	21.6	32.4

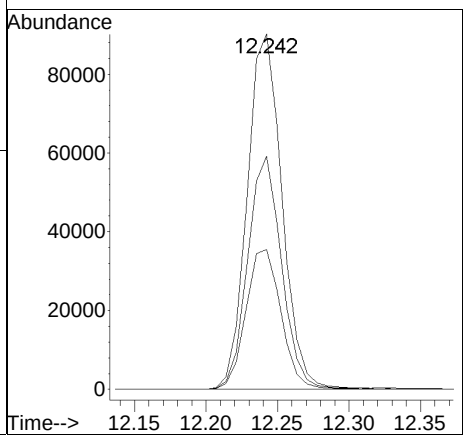


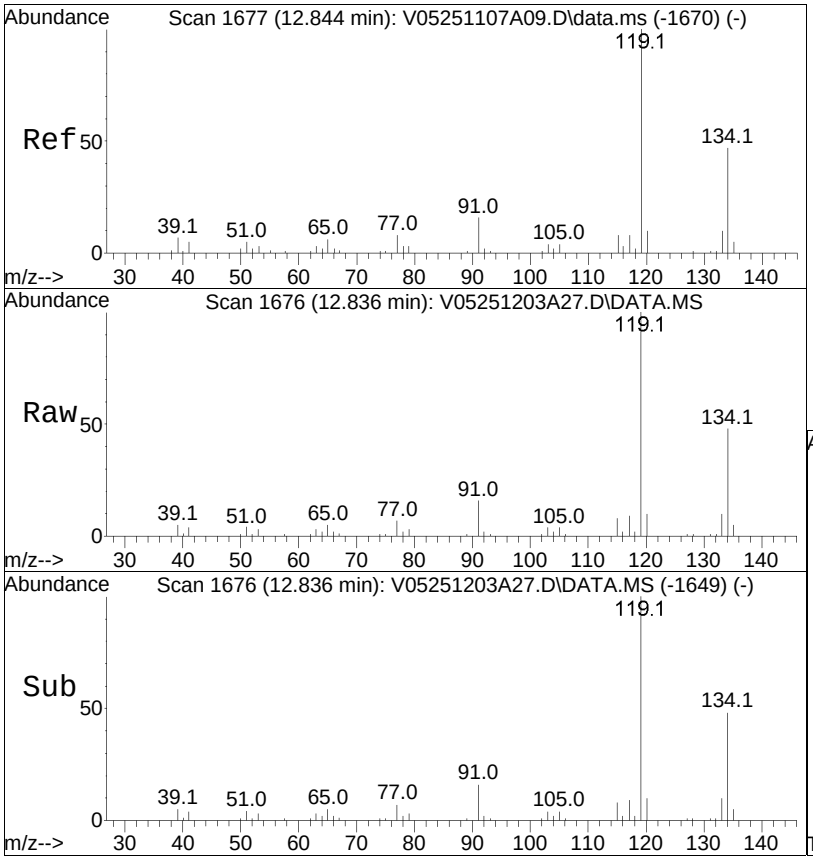


#104
1,2-Dichlorobenzene
Concen: 9.04 ug/L
RT: 12.242 min Scan# 1592
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:146 Resp: 153243

Ion	Ratio	Lower	Upper
146	100		
111	39.8	27.7	57.5
148	64.0	40.9	84.9

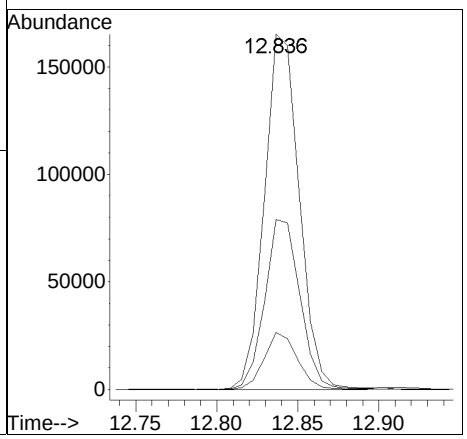


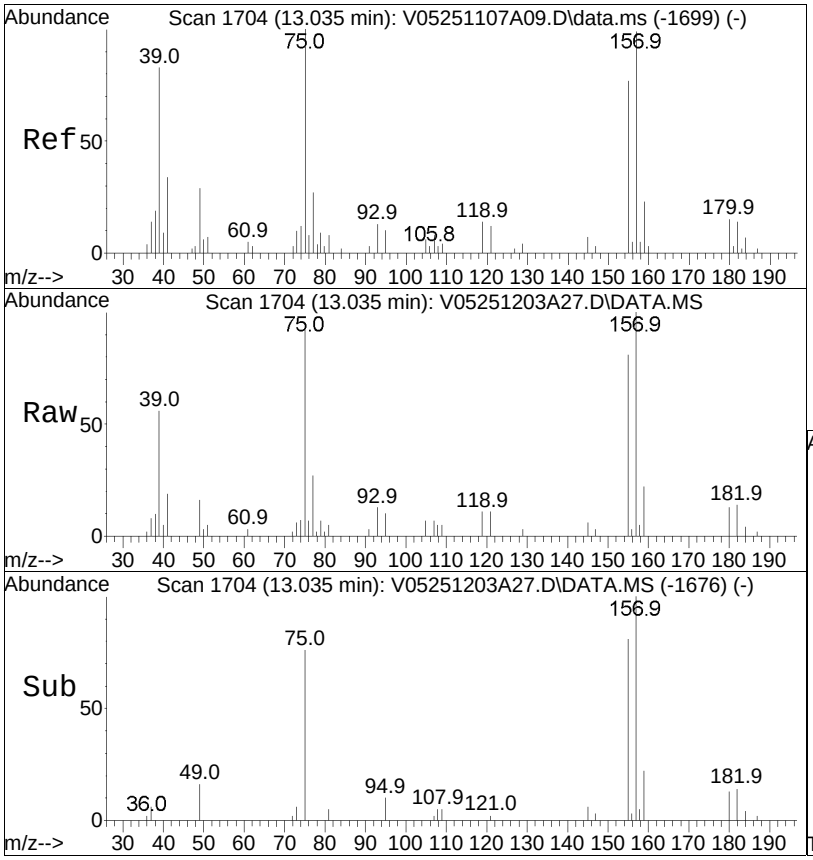


#105
1,2,4,5-Tetramethylbenzene
Concen: 7.72 ug/L
RT: 12.836 min Scan# 1676
Delta R.T. -0.008 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:119 Resp: 247762

Ion	Ratio	Lower	Upper
119	100		
134	48.3	30.9	64.3
91	15.3	10.7	22.3

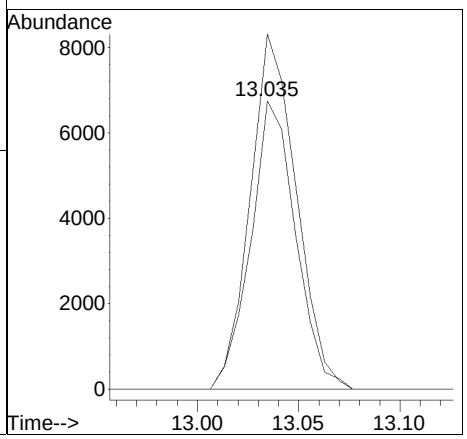


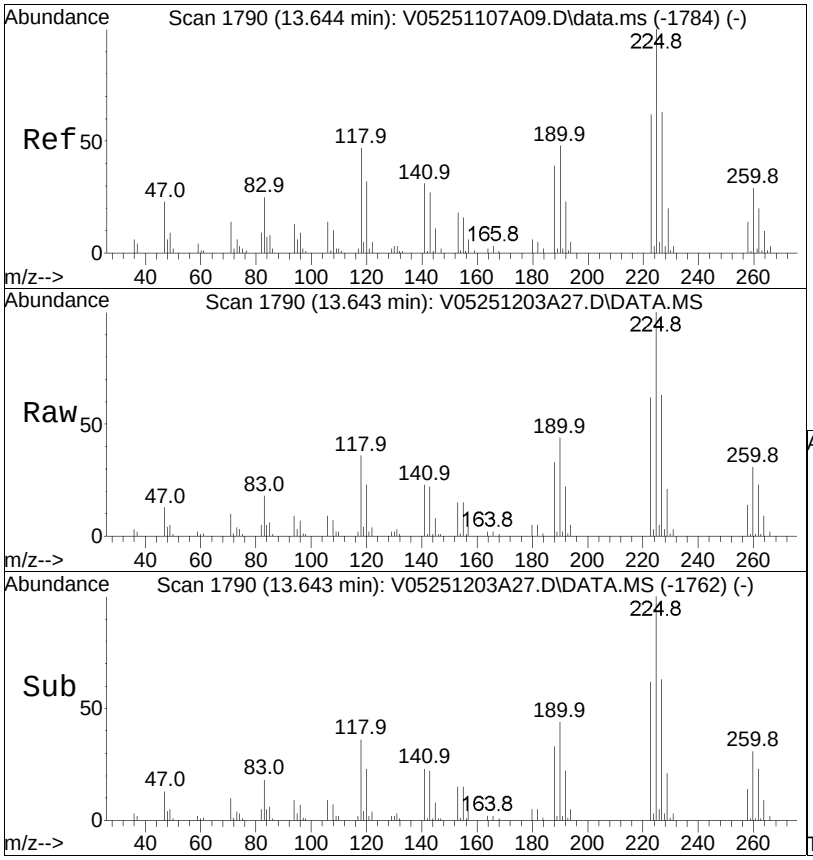


#106
1,2-Dibromo-3-chloropropane
Concen: 10.67 ug/L
RT: 13.035 min Scan# 1704
Delta R.T. -0.000 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:155 Resp: 10463

Ion	Ratio	Lower	Upper
155	100		
157	125.9	103.2	154.8

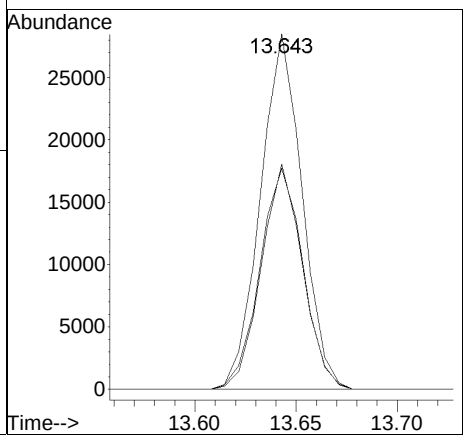


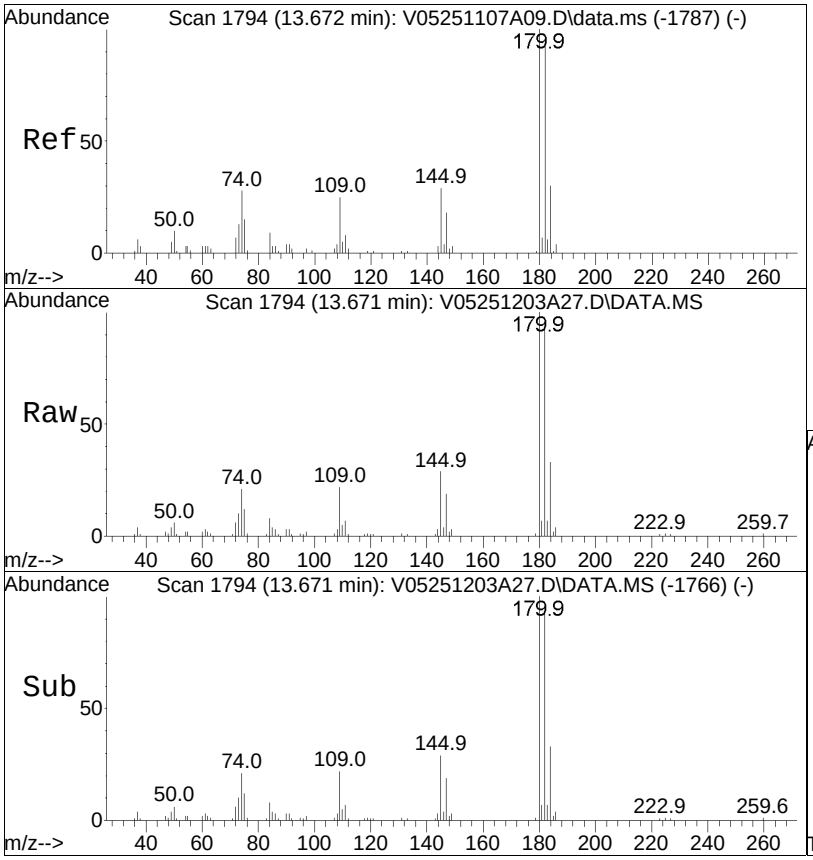


#108
Hexachlorobutadiene
Concen: 8.61 ug/L
RT: 13.643 min Scan# 1790
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:225 Resp: 40819

Ion	Ratio	Lower	Upper
225	100		
223	64.4	49.8	74.6
227	62.5	51.1	76.7

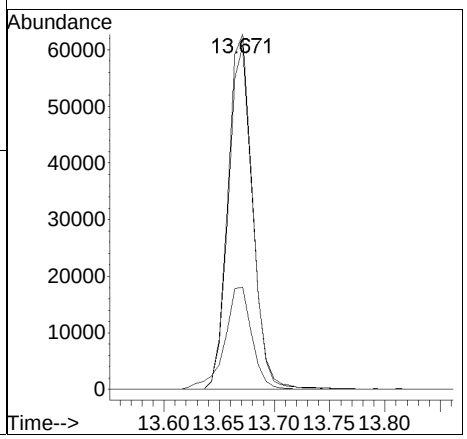


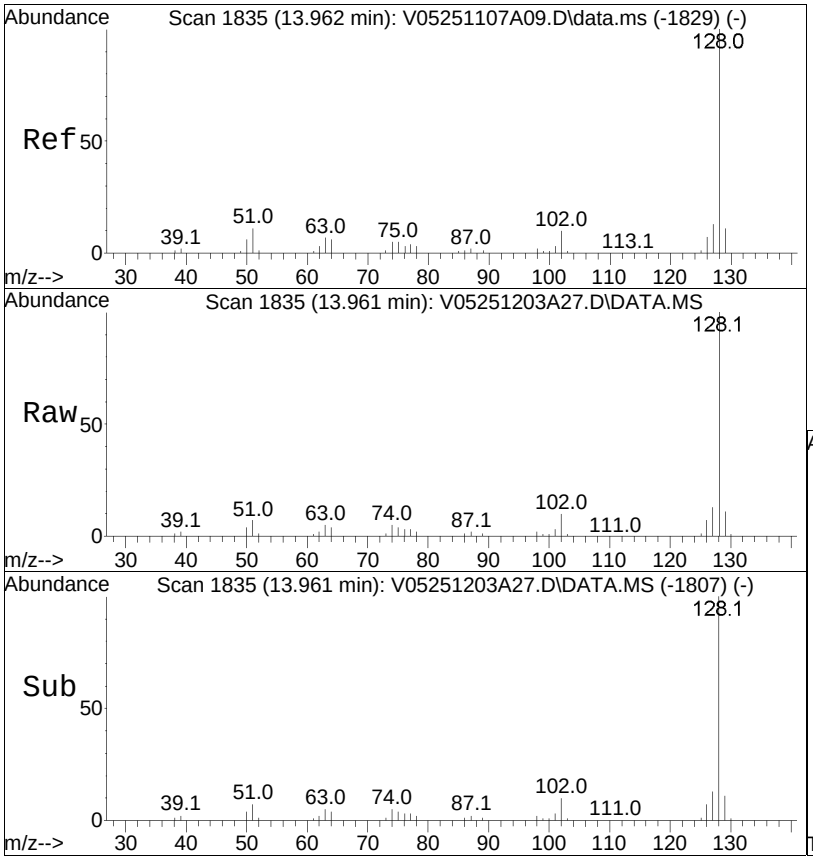


#109
1,2,4-Trichlorobenzene
Concen: 9.53 ug/L
RT: 13.671 min Scan# 1794
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:180 Resp: 98037

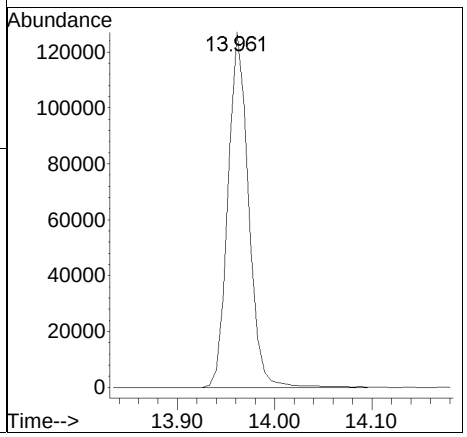
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.1	114.1
145	31.6	28.2	42.2

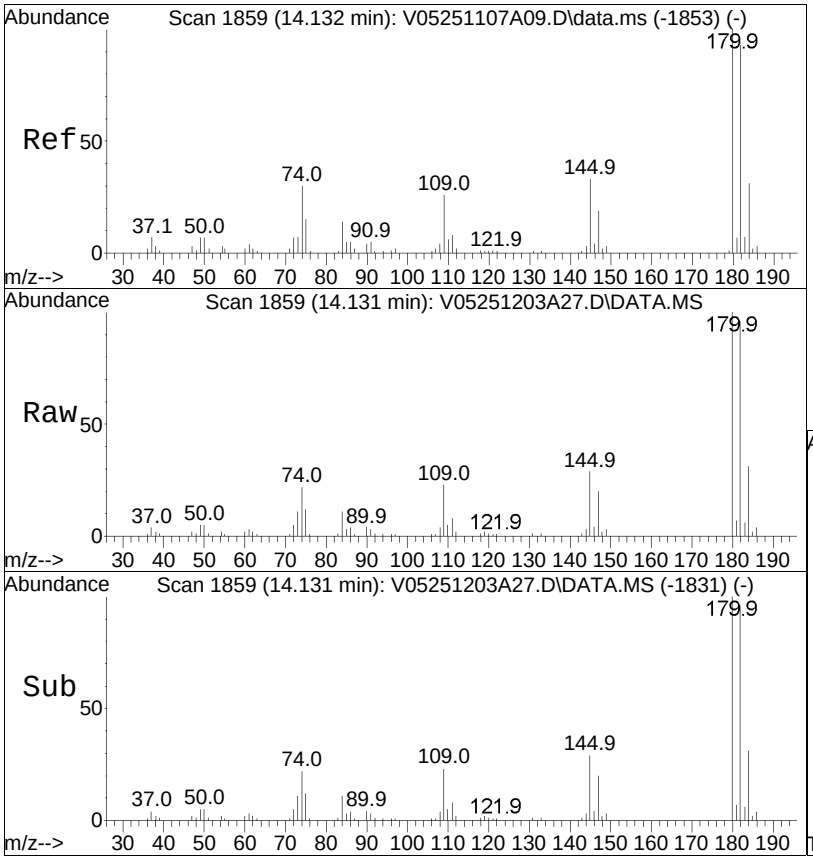




#110
Naphthalene
Concen: 9.78 ug/L
RT: 13.961 min Scan# 1835
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:128 Resp: 187098

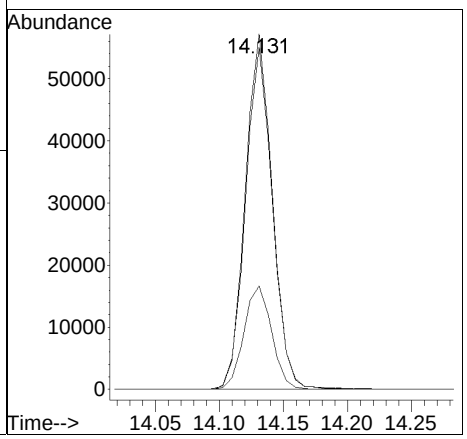




#111
1,2,3-Trichlorobenzene
Concen: 10.22 ug/L
RT: 14.131 min Scan# 1859
Delta R.T. -0.001 min
Lab File: V05251203A27.D
Acq: 3 Dec 2025 8:01 pm

Tgt Ion:180 Resp: 84160

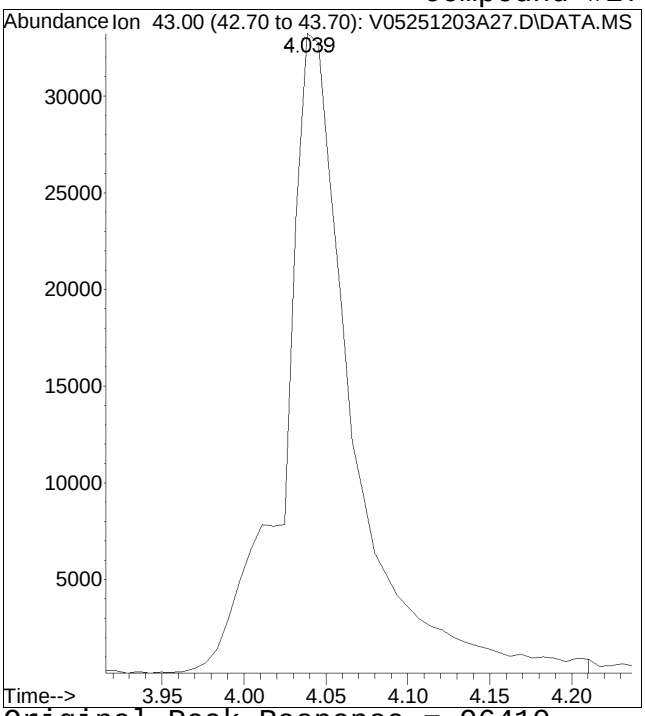
Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.8	113.6
145	29.8	26.7	40.1



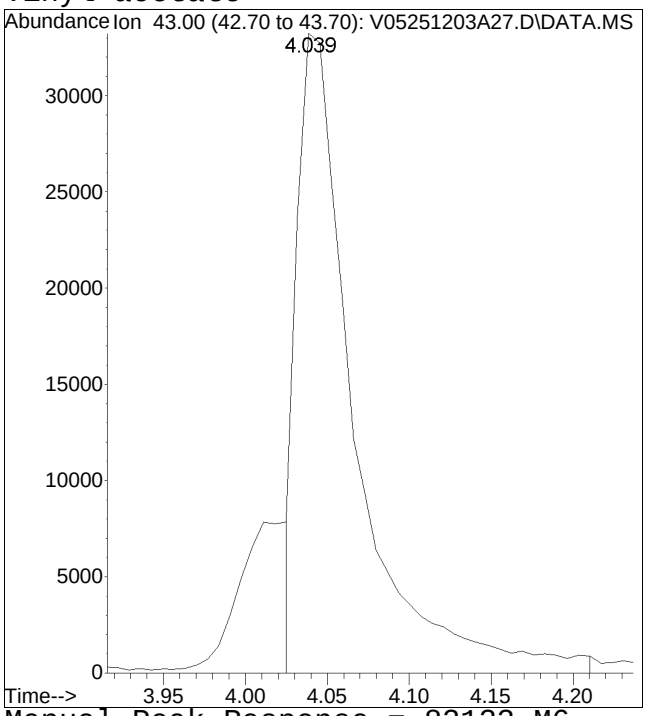
Manual Integration Report

Data Path	: K:\VOA105\2025\251203A\	QMethod	: V105_251107A_8260.m
Data File	: V05251203A27.D	Operator	: VOA105:BAD
Date Inj'd	: 12/3/2025 8:01 pm	Instrument	: VOA105
Sample	: WG2149674-7,31,10,10,,A2	Quant Date	: 12/4/2025 12:16 pm

Compound #27: Vinyl acetate



Original Peak Response = 96410



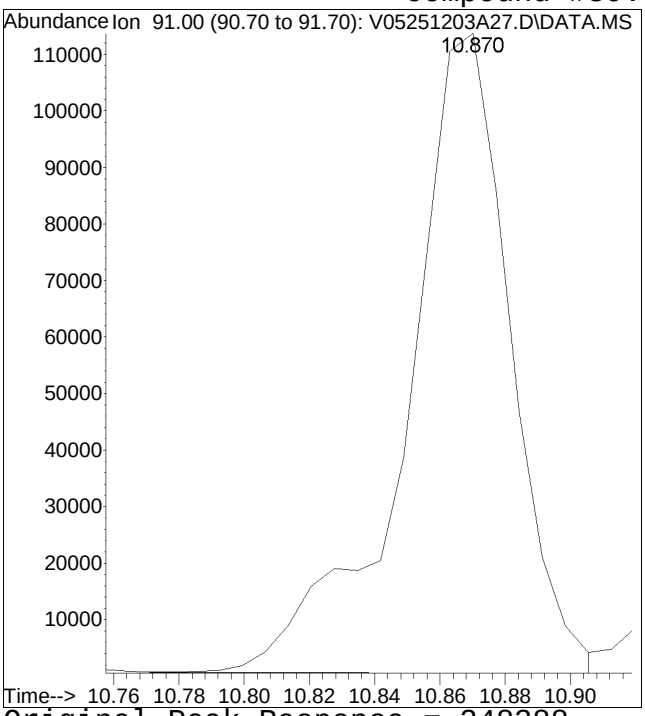
Manual Peak Response = 82133 M6

M6 = Misassignment of peak valley

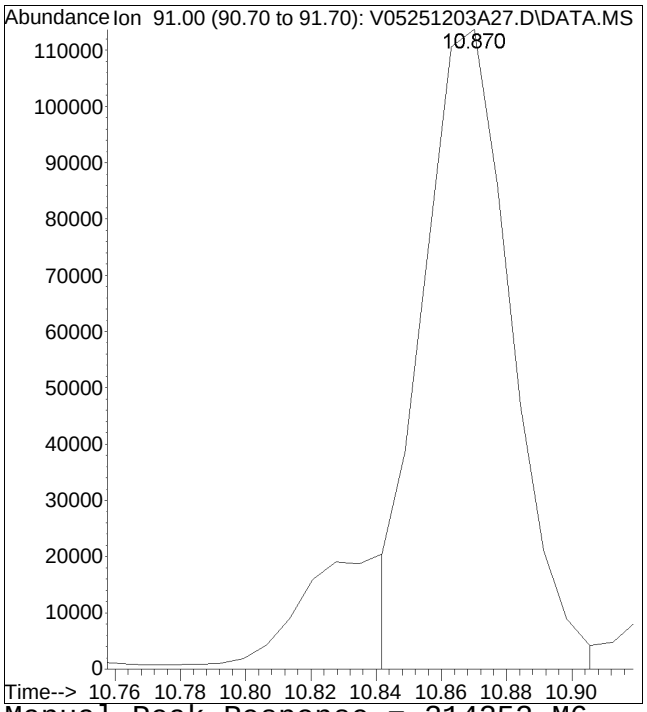
Manual Integration Report

Data Path	: K:\VOA105\2025\251203A\	QMethod	: V105_251107A_8260.m
Data File	: V05251203A27.D	Operator	: VOA105:BAD
Date Inj'd	: 12/3/2025 8:01 pm	Instrument	: VOA105
Sample	: WG2149674-7,31,10,10,,A2	Quant Date	: 12/4/2025 12:16 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 248388



Manual Peak Response = 214252 M6

M6 = Misassignment of peak valley

Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * Uf * (1/Vo)

Where:
DF = Dilution Factor
Vo = Sample Volume Purged (mL)
Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: Amt * DF * (1/Wt)

Where:
DF = Dilution Factor
Wt = Weight of Sample (g)

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Dec 08 2025, 01:38 pm

Work Group: WG2149674 for Department: 31 GC/MS - Volatiles

Created: 04-DEC-25 Due: Operator: BAD

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2575576-01	MW-2S	S	NYTCL-8260	WATER	DONE	U	1209	1208	S0	Vial-B
L2575576-03	MW-16S	S	NYTCL-8260	WATER	DONE	U	1209	1208	S0	Vial-B
L2575576-04	RXMW-9S	S	NYTCL-8260	WATER	DONE	U	1209	1208	S0	Vial-B
L2575576-05	MW-35M	S	NYTCL-8260	WATER	DONE	U	1209	1208	S0	Vial-B
L2575576-06	DUP-112525	S	NYTCL-8260	WATER	DONE	U	1209	1208	S0	Vial-B
L2575576-07	TRIP-BLANK-2	S	NYTCL-8260	WATER	DONE	U	1209	1208	S0	Vial-B
L2575576-08	WC-112525	S	NYTCL-8260	WATER	DONE	U	1209	1208	S0	Vial-B
L2576119-01	MW-01	S	NYTCL-8260	WATER	DONE	U	1215	1208	S0	Vial-B
L2576119-02	MW-02	S	NYTCL-8260	WATER	DONE	U	1215	1208	S0	Vial-B
L2576119-03	TRIP BLANK	S	NYTCL-8260	WATER	DONE	U	1215	1208	S0	Vial-B
L2576155-01	TB_20251201	S	NYTCL-8260	WATER	DONE	U	1215	1209	3F	Vial-B
L2576155-02	FB_20251201	S	NYTCL-8260	WATER	DONE	U	1215	1209	3F	Vial-B
L2576155-03	MW-01_20251201	S	NYTCL-8260	WATER	DONE	U	1215	1209	3F	Vial-B
L2576155-04	MW-02_20251201	S	NYTCL-8260	WATER	DONE	U	1215	1209	3F	Vial-B
L2576155-05	MW-03_20251201	S	NYTCL-8260	WATER	DONE	U	1215	1209	3F	Vial-B
L2576155-06	MW-04_20251201	S	NYTCL-8260	WATER	DONE	U	1215	1209	3F	Vial-B
L2576155-07	MW-05_20251201	S	NYTCL-8260	WATER	DONE	U	1215	1209	3F	Vial-B
L2576155-08	MW-06_20251201	S	NYTCL-8260	WATER	DONE	U	1215	1209	3F	Vial-B
L2576155-09	DUP-02_20251201	S	NYTCL-8260	WATER	DONE	U	1215	1209	3F	Vial-B
WG2149674-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG2149674-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG2149674-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG2149674-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG2149674-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				
WG2149674-6	Matrix Spike	S	NYTCL-8260	WATER	DONE	U				
WG2149674-7	Matrix Spike Duplica	S	NYTCL-8260	WATER	DONE	U				

Comments:

WG2149674-4	WG2149674-3
WG2149674-6	L2576155-07
WG2149674-7	L2576155-07

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Dec 08 2025, 01:38 pm

Work Group: WG2150855 for Department: 31 GC/MS - Volatiles

Created: 08-DEC-25 Due: Operator: MJV

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2575576-02	MW-2M	S	NYTCL-8260	WATER	DONE	U		1209 1208	S0	Vial-B
WG2150855-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG2150855-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG2150855-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG2150855-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG2150855-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				

Comments:

WG2150855-4 WG2150855-3

Method

Inst: VOA105 BFB: V11498 GC: 8260

Initials: PID IS/SS: V11514 Autosampler: 8260water10m

Date: **11/07/25** ICAL: V11515B,V11524 Concentrator: 8260

Run: **A** ICV: V11528,V11529,V11490,V11491,V11516,V11517 QC:_____ Seq:_____

Vial	Data File	Sample	Comments	SIM WG	WG	obs	pH
Vial	Data File	Sample					
1	V05251107ABF1	BFB TUNE					
1	V05251107A01	BLK					
2	V05251107A02	BLK					
3	V05251107A03	I8260STD0.19PPB					
4	V05251107A04	I8260STD0.19PPB					
5	V05251107A05	I8260STD0.5PPB					
6	V05251107A06	I8260STD0.5PPB					
7	V05251107A07	I8260STD2PPB					
8	V05251107A08	I8260STD2PPB					
9	V05251107A09	I8260STD10PPB					
10	V05251107A10	I8260STD30PPB					
11	V05251107A11	I8260STD80PPB					
12	V05251107A12	I8260STD120PPB					
13	V05251107A13	I8260STD200PPB					
14	V05251107A14	BLK					
15	V05251107A15	BLK					
16	V05251107A16	BLK					
17	V05251107A17	BLK					
18	V05251107A18	C8260STD10PPB					
19	V05251107A19	C8260STD10PPB					
20	V05251107A20	BLK					
21	V05251107A21	MDL METHOD BLK					
22	V05251107A22	MDL L11					
23	V05251107A23	MDL L11					
24	V05251107A24	MDL L1					
25	V05251107A25	MDL L1					
26	V05251107A26	MDL L2					
27	V05251107A27	MDL L2					
28	V05251107A28	BLK					

Inst: VOA122 BFB: V11498 Method GC: 8260
Initials: JKH IS/SS: V11527 Autosampler: 8260water
Date: **11/14/25** ICAL: V11534A,V11537 Concentrator: 8260 v122
Run **A** ICV: V11528,V11529,V11539,V11538,V11516,V11517 QC:_____ Seq:_____

Vial	Data File	Sample	Comments	SIM WG	WG	obs	pH
1	V22251114ABF1	BFB TUNE 17:21					
1	V22251114A01	BLK					
2	V22251114A02	BLK					
3	V22251114A03	I8260STD0.19PPB					
4	V22251114A04	I8260STD0.19PPB					
5	V22251114A05	I8260STD0.5PPB					
6	V22251114A06	I8260STD0.5PPB					
7	V22251114A07	I8260STD2PPB					
8	V22251114A08	I8260STD2PPB					
9	V22251114A09	I8260STD10PPB					
10	V22251114A10	I8260STD30PPB					
11	V22251114A11	I8260STD80PPB					
12	V22251114A12	I8260STD120PPB					
13	V22251114A13	I8260STD200PPB					
14	V22251114A14	BLK					
15	V22251114A15	BLK					
16	V22251114A16	BLK					
17	V22251114A17	BLK					
18	V22251114A18	C8260STD10PPB					
19	V22251114A19	C8260STD10PPB					
20	V22251114A20	BLK					
21	V22251114A21	MDL METHOD BLK					
22	V22251114A22	MDL L2					
23	V22251114A23	MDL L2					
24	V22251114A24	MDL L2					
25	V22251114A25	MDL L2					
26	V22251114A26	BLK					

Inst: VOA105 BFB: V11543 Method
Initials: MJV IS/SS: V11547 GC: 8260
Date: **12/03/25** ICAL: V11554A,V11568 Autosampler: 8260water10m
Run: **A** Concentrator: 8260
QC:_____ Seq:_____

Vial	Data File	Sample		Comments	SIM WG	WG	obs	pH
1	V05251203ABF1	BFB TUNE	08:36					
1	V05251203A01	8260 CCAL	LCS					
2	V05251203A02	8260 CCAL	LCSD					
3	V05251203A03	8260 CCAL						
4	V05251203A04	BLK						
5	V05251203A05	METHOD BLK						
6	V05251203A06	l2576119-01,31,10,10,,a	NYTCL					pH<2
7	V05251203A07	l2576119-02,31,10,10,,a	NYTCL					pH<2
8	V05251203A08	l2576119-03,31,10,10,,a	NYTCL					pH<2
9	V05251203A09	L2575576-01,31,10,10,,A	NYTCL					pH>2
10	V05251203A10	L2575576-02D,31,1.0,10,,A	NYTCL					pH<2
11	V05251203A11	L2575576-03,31,10,10,,A	NYTCL					pH<2
12	V05251203A12	L2575576-04,31,10,10,,A	NYTCL					pH<2
13	V05251203A13	L2575576-05,31,10,10,,A	NYTCL					pH<2
14	V05251203A14	L2575576-06,31,10,10,,A	NYTCL					pH<2
15	V05251203A15	L2575576-07,31,10,10,,A	NYTCL				TB	pH<2
16	V05251203A16	L2575576-08,31,10,10,,A	NYTCL					pH<2
17	V05251203A17	L2576155-01,31,10,10,,A	NYTCL				TB	pH<2
18	V05251203A18	L2576155-02,31,10,10,,A	NYTCL				FB	pH<2
19	V05251203A19	L2576155-03,31,10,10,,A	NYTCL					pH<2
20	V05251203A20	L2576155-04,31,10,10,,A	NYTCL					pH<2
21	V05251203A21	L2576155-05,31,10,10,,A	NYTCL					pH<2
22	V05251203A22	L2576155-06,31,10,10,,A	NYTCL					pH<2
23	V05251203A23	L2576155-07,31,10,10,,A	NYTCL					pH<2
24	V05251203A24	L2576155-08D,31,5.0,10,,A	NYTCL					pH<2
25	V05251203A25	L2576155-09,31,10,10,,A	NYTCL					pH<2
26	V05251203A26	L2576155-07MS,31,10,10,,A1	NYTCL					pH<2
27	V05251203A27	L2576155-07MSD,31,10,10,,A2	NYTCL					pH<2
28	V05251203A28	HBM						
29	V05251203A29	BLK						
30	V05251203A30	BLK						

Inst: VOA122 BFB: V11543
Initials: PID IS/SS: V11562
Date: **12/05/25** ICAL: V11554A,V11568
Run **B**

Method
GC: 8260
Autosampler: 8260water
Concentrator: 8260 v122
QC:_____ Seq:_____

Vial	Data File	Sample		Comments	SIM WG	WG	obs	pH
1	V22251205BBF2	BFB TUNE	11:58					
1	V22251205B01	8260 CCAL	LCS					
2	V22251205B02	8260 CCAL	LCSD					
3	V22251205B03	8260 CCAL						
4	V22251205B04	BLK						
5	V22251205B05	METHOD BLK						
6	V22251205B06	L2575576-02d,31,2.0,10,,C		NYTCL				pH<2
7	V22251205B07	I2575880-14,31,10,10,,a		NJ/15/JB				pH<2
8	V22251205B08	I2575880-15,31,10,10,,a		NJ/15/JB				pH<2
9	V22251205B09	I2575880-18,31,10,10,,a		NJ/15/JB				pH<2
10	V22251205B10	I2575880-22,31,10,10,,a		NJ/15/JB				pH<2
11	V22251205B11	I2575880-24,31,10,10,,a		NJ/15/JB				pH<2
12	V22251205B12	I2575880-25,31,10,10,,a		NJ/15/JB				pH<2
13	V22251205B13	I2575880-26,31,10,10,,a		NJ/15/JB				pH<2
14	V22251205B14	I2575880-27,31,10,10,,a		NJ/15/JB				pH<2
15	V22251205B15	I2575880-31,31,10,10,,a		NJ/15/JB				pH<2
16	V22251205B16	I2575880-37,31,10,10,,a		NJ/15/JB				pH<2
17	V22251205B17	I2575880-41,31,10,10,,a		NJ/15/JB			FB	pH<2
18	V22251205B18	I2575880-42,31,10,10,,a		NJ/15/JB			FB	pH<2
19	V22251205B19	I2575880-43,31,10,10,,a		NJ/15/JB			FB	pH<2
20	V22251205B20	I2575880-07,31,10,10,,a		NJ/15/JB				pH<2
21	V22251205B21	I2575880-11,31,10,10,,a		NJ/15/JB				pH<2
22	V22251205B22	I2575880-12,31,10,10,,a		NJ/15/JB				pH<2
23	V22251205B23	I2575880-13,31,10,10,,a		NJ/15/JB				pH<2
24	V22251205B24	I2575880-19,31,10,10,,a		NJ/15/JB				pH<2
25	V22251205B25	I2575880-20,31,10,10,,a		NJ/15/JB				pH<2
26	V22251205B26	L2575576-02DUP,31,2.0,10,,C		NJQC				pH<2
27	V22251205B27	L2575576-02MS,31,2.0,10,,C		NJQC				pH<2
28	V22251205B28	HBM						
29	V22251205B29	BLK						
30	V22251205B30	BLK						

Semivolatiles Data- Method 8270

Semivolatiles QC Summary

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2147284-2 **Analysis Date** : 11/29/25 12:39	**File ID**	: 147284-2
LCSD Sample ID	: WG2147284-3 **Analysis Date** : 11/29/25 13:01	**File ID**	: 147284-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Acenaphthene	20	13.	64	20	11.	56	13	37-111	30
1,2,4-Trichlorobenzene	20	11.	53	20	11.	55	4	39-98	30
Hexachlorobenzene	20	13.	63	20	11.	56	12	40-140	30
Bis(2-chloroethyl)ether	20	11.	56	20	11.	56	0	40-140	30
2-Chloronaphthalene	20	12.	62	20	11.	55	12	40-140	30
1,2-Dichlorobenzene	20	9.6	48	20	9.8	49	2	40-140	30
1,3-Dichlorobenzene	20	9.6	48	20	10.	51	6	40-140	30
1,4-Dichlorobenzene	20	9.3	46	20	9.5	48	4	36-97	30
3,3'-Dichlorobenzidine	20	13.	67	20	12.	62	8	40-140	30
2,4-Dinitrotoluene	20	15.	77	20	15.	75	3	48-143	30
2,6-Dinitrotoluene	20	15.	76	20	14.	69	10	40-140	30
Fluoranthene	20	14.	68	20	13.	66	3	40-140	30
4-Chlorophenyl phenyl ether	20	15.	74	20	12.	59	23	40-140	30
4-Bromophenyl phenyl ether	20	14.	69	20	12.	59	16	40-140	30
Bis(2-chloroisopropyl)ether	20	12.	60	20	12.	59	2	40-140	30
Bis(2-chloroethoxy)methane	20	12.	61	20	12.	58	5	40-140	30
Hexachlorobutadiene	20	14.	72	20	12.	59	20	40-140	30
Hexachlorocyclopentadiene	20	16.	80	20	15.	74	8	40-140	30
Hexachloroethane	20	12.	60	20	12.	62	3	40-140	30
Isophorone	20	13.	65	20	13.	63	3	40-140	30
Naphthalene	20	11.	56	20	10.	52	7	40-140	30
Nitrobenzene	20	14.	68	20	14.	70	3	40-140	30
NDPA/DPA	20	14.	69	20	13.	63	9	40-140	30
n-Nitrosodi-n-propylamine	20	13.	67	20	14.	68	1	29-132	30
Bis(2-ethylhexyl)phthalate	20	16.	82	20	15.	75	9	40-140	30
Butyl benzyl phthalate	20	16.	82	20	15.	76	8	40-140	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2147284-2 **Analysis Date** : 11/29/25 12:39	**File ID**	: 147284-2
LCSD Sample ID	: WG2147284-3 **Analysis Date** : 11/29/25 13:01	**File ID**	: 147284-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Di-n-butylphthalate	20	15.	77	20	14.	72	7	40-140	30
Di-n-octylphthalate	20	16.	82	20	16.	78	5	40-140	30
Diethyl phthalate	20	15.	74	20	13.	67	10	40-140	30
Dimethyl phthalate	20	14.	71	20	13.	65	9	40-140	30
Benzo(a)anthracene	20	14.	71	20	14.	68	4	40-140	30
Benzo(a)pyrene	20	13.	67	20	13.	63	6	40-140	30
Benzo(b)fluoranthene	20	13.	65	20	13.	66	2	40-140	30
Benzo(k)fluoranthene	20	12.	63	20	12.	61	3	40-140	30
Chrysene	20	14.	70	20	13.	67	4	40-140	30
Acenaphthylene	20	13.	66	20	12.	59	11	45-123	30
Anthracene	20	13.	66	20	12.	61	8	40-140	30
Benzo(ghi)perylene	20	12.	61	20	12.	61	0	40-140	30
Fluorene	20	13.	66	20	12.	58	13	40-140	30
Phenanthrene	20	13.	64	20	12.	60	6	40-140	30
Dibenzo(a,h)anthracene	20	13.	65	20	13.	66	2	40-140	30
Indeno(1,2,3-cd)pyrene	20	13.	67	20	13.	63	6	40-140	30
Pyrene	20	14.	69	20	13.	67	3	26-127	30
Biphenyl	20	12.	62	20	11.	55	12	40-140	30
4-Chloroaniline	20	19.	93	20	16.	80	15	40-140	30
2-Nitroaniline	20	15.	74	20	14.	70	6	52-143	30
3-Nitroaniline	20	15.	75	20	14.	72	4	25-145	30
4-Nitroaniline	20	14.	72	20	14.	70	3	51-143	30
Dibenzofuran	20	13.	66	20	12.	60	10	40-140	30
2-Methylnaphthalene	20	12.	62	20	11.	56	10	40-140	30
1,2,4,5-Tetrachlorobenzene	20	14.	71	20	12.	63	12	2-134	30
Acetophenone	20	12.	61	20	12.	61	0	39-129	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2147284-2 **Analysis Date** : 11/29/25 12:39	**File ID**	: 147284-2
LCSD Sample ID	: WG2147284-3 **Analysis Date** : 11/29/25 13:01	**File ID**	: 147284-3

	Laboratory Control Sample			Laboratory Control Duplicate						
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD		Recovery Limits	RPD Limit
2,4,6-Trichlorophenol	20	14.	71	20	8.4	42	51	Q	30-130	30
p-Chloro-m-cresol	20	16.	82	20	14.	68	19		23-97	30
2-Chlorophenol	20	11.	54	20	8.2	41	27		27-123	30
2,4-Dichlorophenol	20	12.	60	20	8.5	42	35	Q	30-130	30
2,4-Dimethylphenol	20	13.	64	20	12.	62	3		30-130	30
2-Nitrophenol	20	13.	66	20	9.8	49	30		30-130	30
4-Nitrophenol	20	14.	69	20	8.8	44	44	Q	10-80	30
2,4-Dinitrophenol	20	17.	86	20	12.	59	37	Q	20-130	30
4,6-Dinitro-o-cresol	20	18.	92	20	13.	65	34	Q	20-164	30
Pentachlorophenol	20	18.	88	20	12.	58	41	Q	9-103	30
Phenol	20	7.7	39	20	6.0	30	26		12-110	30
2-Methylphenol	20	11.	57	20	11.	54	5		30-130	30
3-Methylphenol/4-Methylphenol	20	12.	59	20	11.	57	3		30-130	30
2,4,5-Trichlorophenol	20	15.	77	20	10.	50	43	Q	30-130	30
Benzoic Acid	20	17.	86	20	15.	77	11		10-164	30
Benzyl Alcohol	20	15.	76	20	14.	71	7		26-116	30
Carbazole	20	13.	67	20	13.	64	5		55-144	30

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Roux Env. Eng. & Geology, DPC
Project Name: 1000 TURK HILL RD GWS

Lab Number: L2575576
Project Number: 3113.0001Y000
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
WC-112525 (L2575576-08)	20*	17	70	63	40	67	1
WG2147284-1BLANK	30	27	68	65	42	69	0
WG2147284-2LCS	47	37	72	69	63	66	0
WG2147284-3LCSD	28	30	77	59	35	61	0

QC LIMITS

(21-120) 2FP = 2-FLUOROPHENOL
(10-120) PHL = PHENOL-D6
(23-120) NBZ = NITROBENZENE-D5
(15-120) FBP = 2-FLUOROBIPHENYL
(10-120) TBP = 2,4,6-TRIBROMOPHENOL
(41-149) TPH = 4-TERPHENYL-D14

* Values outside of QC limits

Method Blank Summary
Form 4
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab Sample ID	: WG2147284-1	**Lab File ID**	: 147284-1
Instrument ID	: SV112	**Extraction Date**	: 11/28/25
Matrix	: WATER	**Analysis Date**	: 11/29/25 12:16
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2147284-2LCS	WG2147284-2	11/29/25 12:39
WG2147284-3LCSD	WG2147284-3	11/29/25 13:01
WC-112525	L2575576-08	12/03/25 02:24

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: SV112	**Analysis Date**	: 08/17/25 18:04
Tune Standard	: R2000495-31	**Tune File ID**	: Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	39.5
68	Less than 2.0% of mass 69	0.6 (1.6)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	45.2
197	Less than 2.0% of mass 198	0.7
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7
275	10.0 - 60.0% of Base Peak	26.5
365	Greater than 1.0% of mass 198	3.2
441	Present, but less than 24% of mass 442	16.5
442	Base Peak, or >50% of mass 198	79.1
443	15.0 - 24.0% of mass 442	15.2 (19.3)2

1-Value is % of mass 69 2-Value is % of mass 442

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL9	R2000495-8	ABNL9	08/17/25 18:26
ABNL8	R2000495-9	ABNL8	08/17/25 18:49
ABNL7	R2000495-7	ABNL7	08/17/25 19:12
ABNL6	R2000495-6	ABNL6	08/17/25 19:34
ABNL4	R2000495-4	ABNL4	08/17/25 20:20
ABNL3	R2000495-3	ABNL3	08/17/25 20:42
ABNL2	R2000495-2	ABNL2	08/17/25 21:05
ABNL1	R2000495-1	ABNL1	08/17/25 21:27
AP9L9	R2000495-27	AP9L9	08/17/25 21:50
AP9L8	R2000495-26	AP9L8	08/17/25 22:13
AP9L7	R2000495-25	AP9L7	08/17/25 22:35
AP9L6	R2000495-24	AP9L6	08/17/25 22:58
AP9L5	R2000495-22	AP9L5	08/17/25 23:20
AP9L4	R2000495-23	AP9L4	08/17/25 23:43
AP9L3	R2000495-20	AP9L3	08/18/25 00:05
AP9L2	R2000495-21	AP9L2	08/18/25 00:28
AP9L1	R2000495-19	AP9L1	08/18/25 00:50
AP9 ICV Quant Rep	R2000495-30	AP9ICV	08/18/25 01:35

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: SV112	**Analysis Date**	: 08/18/25 01:57
Tune Standard	: R2000495-32	**Tune File ID**	: Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	38.3
68	Less than 2.0% of mass 69	0.6 (1.6)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	45.1
197	Less than 2.0% of mass 198	0.6
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7
275	10.0 - 60.0% of Base Peak	26.7
365	Greater than 1.0% of mass 198	3.4
441	Present, but less than 24% of mass 442	16.9
442	Base Peak, or >50% of mass 198	82.5
443	15.0 - 24.0% of mass 442	16.3 (19.8)2

1-Value is % of mass 69 2-Value is % of mass 442

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ADPL9	R2000495-18	ADPL9	08/18/25 02:20
ADPL8	R2000495-17	ADPL8	08/18/25 02:42
ADPL7	R2000495-16	ADPL7	08/18/25 03:05
ADPL6	R2000495-15	ADPL6	08/18/25 03:27
ADPL5	R2000495-14	ADPL5	08/18/25 03:50
ADPL4	R2000495-13	ADPL4	08/18/25 04:12
ADPL3	R2000495-12	ADPL3	08/18/25 04:35
ADPL2	R2000495-11	ADPL2	08/18/25 04:57
ADPL1	R2000495-10	ADPL1	08/18/25 05:20
ADP ICV Quant Report	R2000495-29	ADPICV	08/18/25 05:42
ABNL5a	R2000495-5	ABNL5A	08/18/25 06:05
ABN ICV Quant Report	R2000495-28	ABNICVA	08/18/25 06:27

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: SV112	**Analysis Date**	: 11/29/25 10:29
Tune Standard	: WG2147407-1	**Tune File ID**	: DEG1129_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	39.1
68	Less than 2.0% of mass 69	0.8 (1.8)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	44.3
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	25.2
365	Greater than 1.0% of mass 198	3
441	Present, but less than 24% of mass 442	17.5
442	Base Peak, or >50% of mass 198	54.4
443	15.0 - 24.0% of mass 442	10.7 (19.7)2

1-Value is % of mass 69 2-Value is % of mass 442

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2147407-6TFACTOR-B	WG2147407-6	DEG1129	11/29/25 10:29
WG2147407-7TFACTOR-P	WG2147407-7	DEG1129	11/29/25 10:29
WG2147407-3CCAL	WG2147407-3	ABN1129	11/29/25 10:51
WG2147407-4CCAL	WG2147407-4	AP91129	11/29/25 11:14
WG2147407-5CCAL	WG2147407-5	ADP1129	11/29/25 11:37
WG2147284-1BLANK	WG2147284-1	147284-1	11/29/25 12:16
WG2147284-2LCS	WG2147284-2	147284-2	11/29/25 12:39
WG2147284-3LCSD	WG2147284-3	147284-3	11/29/25 13:01

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: SV106	**Analysis Date**	: 08/27/25 19:04
Tune Standard	: R2004584-28	**Tune File ID**	: Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	35.8
68	Less than 2.0% of mass 69	0.4 (1)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	50.5
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 60.0% of Base Peak	23.7
365	Greater than 1.0% of mass 198	2.6
441	Present, but less than 24% of mass 442	16.9
442	Base Peak, or >50% of mass 198	71.6
443	15.0 - 24.0% of mass 442	13.8 (19.3)2

1-Value is % of mass 69 2-Value is % of mass 442

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL9	R2004584-9	ABNL9	08/27/25 20:12
ABNL8	R2004584-8	ABNL8	08/27/25 20:33
ABNL7	R2004584-7	ABNL7	08/27/25 21:03
ABNL6	R2004584-6	ABNL6	08/27/25 21:24
ABNL5	R2004584-5	ABNL5	08/27/25 21:46
ABNL4	R2004584-4	ABNL4	08/27/25 22:07
ABNL3	R2004584-3	ABNL3	08/27/25 22:28
ABNL2	R2004584-2	ABNL2	08/27/25 22:50
ABNL1	R2004584-1	ABNL1	08/27/25 23:11
ABN ICV Quant Report	R2004584-30	ABNICV	08/27/25 23:33

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: SV106	**Analysis Date**	: 08/27/25 23:54
Tune Standard	: R2004584-29	**Tune File ID**	: Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	39
68	Less than 2.0% of mass 69	0.7 (1.8)1
69		100
70	Less than 2.0% of mass 69	0.2 (.4)1
127	10.0 - 80.0% of Base Peak	51.4
197	Less than 2.0% of mass 198	0.3
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 60.0% of Base Peak	22.7
365	Greater than 1.0% of mass 198	2.5
441	Present, but less than 24% of mass 442	16.9
442	Base Peak, or >50% of mass 198	62.2
443	15.0 - 24.0% of mass 442	12.4 (19.9)2

1-Value is % of mass 69 2-Value is % of mass 442

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
AP9L9	R2004584-27	AP9L9	08/28/25 00:16
AP9L8	R2004584-26	AP9L8	08/28/25 00:37
AP9L7	R2004584-25	AP9L7	08/28/25 00:58
AP9L6	R2004584-23	AP9L6	08/28/25 01:20
AP9L5	R2004584-24	AP9L5	08/28/25 01:41
AP9L4	R2004584-22	AP9L4	08/28/25 02:03
AP9L3	R2004584-21	AP9L3	08/28/25 02:24
AP9L2	R2004584-20	AP9L2	08/28/25 02:45
AP9L1	R2004584-19	AP9L1	08/28/25 03:07
ADPL9	R2004584-18	ADPL9	08/28/25 03:28
ADPL8	R2004584-17	ADPL8	08/28/25 03:50
ADPL7	R2004584-16	ADPL7	08/28/25 04:11
ADPL6	R2004584-15	ADPL6	08/28/25 04:32
ADPL5	R2004584-14	ADPL5	08/28/25 04:54
ADPL4	R2004584-13	ADPL4	08/28/25 05:15
ADPL3	R2004584-12	ADPL3	08/28/25 05:36
ADPL2	R2004584-11	ADPL2	08/28/25 05:58
ADPL1	R2004584-10	ADPL1	08/28/25 06:19
AP9 ICV Quant Rep	R2004584-32	AP9ICV	08/28/25 06:40
ADP ICV Quant Report	R2004584-31	ADPICV	08/28/25 07:02

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: SV106	**Analysis Date**	: 12/02/25 22:49
Tune Standard	: WG2148721-1	**Tune File ID**	: DEG1202_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	36.4
68	Less than 2.0% of mass 69	0.7 (1.6)1
69		100
70	Less than 2.0% of mass 69	0.2 (.4)1
127	10.0 - 80.0% of Base Peak	49.9
197	Less than 2.0% of mass 198	0.8
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 60.0% of Base Peak	22.6
365	Greater than 1.0% of mass 198	2.5
441	Present, but less than 24% of mass 442	17.1
442	Base Peak, or >50% of mass 198	60.2
443	15.0 - 24.0% of mass 442	12.5 (20.8)2

1-Value is % of mass 69 2-Value is % of mass 442

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2148721-6TFACTOR-P	WG2148721-6	DEG1202	12/02/25 22:49
WG2148721-7TFACTOR-B	WG2148721-7	DEG1202	12/02/25 22:49
WG2148721-3CCAL	WG2148721-3	ABN1202	12/02/25 23:11
WG2148721-4CCAL	WG2148721-4	AP91202	12/02/25 23:32
WG2148721-5CCAL	WG2148721-5	ADP1202	12/02/25 23:54
WC-112525	L2575576-08	75576-08	12/03/25 02:24

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: SV112	**Analysis Date**	: 11/29/25 10:51:00
Sample No	: WG2147407-3	**Lab File ID**	: ABN1129

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2147407-3	32512	3.74	113237	5.00	73361	6.69
Upper Limit	65024	4.24	226474	5.50	146722	7.19
Lower Limit	16256	3.24	56619	4.50	36681	6.19
Sample ID						
WG2147407-4 CCAL	31519	3.74	109964	5.00	69710	6.69
WG2147407-5 CCAL	31322	3.73	-	-	69026	6.69
WG2147284-1 BLANK	31559	3.74	116054	5.01	74245	6.69
WG2147284-2 LCS	32932	3.74	112890	5.00	73111	6.69
WG2147284-3 LCSD	30092	3.74	111742	5.00	74014	6.69

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

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

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: SV112	**Analysis Date**	: 11/29/25 10:51:00
Sample No	: WG2147407-3	**Lab File ID**	: ABN1129

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2147407-3	168244	8.09	177338	10.62	179604	11.99
Upper Limit	336488	8.59	354676	11.12	359208	12.49
Lower Limit	84122	7.59	88669	10.12	89802	11.49
Sample ID						
WG2147407-4 CCAL	162258	8.09	-	-	-	-
WG2147407-5 CCAL	161689	8.09	-	-	-	-
WG2147284-1 BLANK	174495	8.10	182701	10.63	176603	12.00
WG2147284-2 LCS	170106	8.09	173724	10.62	171484	11.99
WG2147284-3 LCSD	169288	8.09	178355	10.62	176169	11.99

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

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

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: SV106	**Analysis Date**	: 12/02/25 23:11:00
Sample No	: WG2148721-3	**Lab File ID**	: ABN1202

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2148721-3	37364	3.94	140652	5.22	83328	6.94
Upper Limit	74728	4.44	281304	5.72	166656	7.44
Lower Limit	18682	3.44	70326	4.72	41664	6.44
Sample ID						
WG2148721-4 CCAL	41588	3.94	152907	5.22	91634	6.94
WG2148721-5 CCAL	42649	3.94	-	-	91579	6.94
WC-112525	33121	3.94	127246	5.21	75321	6.94

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

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

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: SV106	**Analysis Date**	: 12/02/25 23:11:00
Sample No	: WG2148721-3	**Lab File ID**	: ABN1202

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2148721-3	147211	8.37	110435	10.96	113853	12.39
Upper Limit	294422	8.87	220870	11.46	227706	12.89
Lower Limit	73606	7.87	55218	10.46	56927	11.89
Sample ID						
WG2148721-4 CCAL	171669	8.37	-	-	-	-
WG2148721-5 CCAL	179567	8.37	-	-	-	-
WC-112525	144662	8.37	147673	10.96	159923	12.38

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

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

* Values outside of QC limits

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

ABN Extractables - EPA 8270E (RVT) (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 100ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	2	0.403	ug/l	37-111	30	37-111	30	30			
Benzidine	92-87-5	20	6.01	ug/l	10-75	30	10-75	30	30			
1,2,4-Trichlorobenzene	120-82-1	5	0.977	ug/l	39-98	30	39-98	30	30			
Hexachlorobenzene	118-74-1	2	0.452	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethyl)ether	111-44-4	2	0.392	ug/l	40-140	30	40-140	30	30			
2-Chloronaphthalene	91-58-7	2	0.35	ug/l	40-140	30	40-140	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.329	ug/l	40-140	30	40-140	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.315	ug/l	40-140	30	40-140	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.391	ug/l	36-97	30	36-97	30	30			
3,3'-Dichlorobenzidine	91-94-1	5	1.85	ug/l	40-140	30	40-140	30	30			
2,4-Dinitrotoluene	121-14-2	5	0.541	ug/l	48-143	30	48-143	30	30			
2,6-Dinitrotoluene	606-20-2	5	0.845	ug/l	40-140	30	40-140	30	30			
Azobenzene	122-66-7	2	0.418	ug/l	40-140	30	40-140	30	30			
Fluoranthene	206-44-0	2	0.411	ug/l	40-140	30	40-140	30	30			
4-Chlorophenyl phenyl ether	7005-72-3	2	0.386	ug/l	40-140	30	40-140	30	30			
4-Bromophenyl phenyl ether	101-55-3	2	0.244	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroisopropyl)ether	108-60-1	2	0.403	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethoxy)methane	111-91-1	5	0.842	ug/l	40-140	30	40-140	30	30			
Hexachlorobutadiene	87-68-3	2	0.355	ug/l	40-140	30	40-140	30	30			
Hexachlorocyclopentadiene	77-47-4	20	1.23	ug/l	40-140	30	40-140	30	30			
Hexachloroethane	67-72-1	2	0.203	ug/l	40-140	30	40-140	30	30			
Isophorone	78-59-1	5	0.862	ug/l	40-140	30	40-140	30	30			
Naphthalene	91-20-3	2	0.542	ug/l	40-140	30	40-140	30	30			
Nitrobenzene	98-95-3	2	0.205	ug/l	40-140	30	40-140	30	30			
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	2	0.924	ug/l	40-140	30	40-140	30	30			
n-Nitrosodi-n-propylamine	621-64-7	5	0.906	ug/l	29-132	30	29-132	30	30			
Bis(2-Ethylhexyl)phthalate	117-81-7	3	1.42	ug/l	40-140	30	40-140	30	30			
Butyl benzyl phthalate	85-68-7	5	2.61	ug/l	40-140	30	40-140	30	30			
Di-n-butylphthalate	84-74-2	5	0.957	ug/l	40-140	30	40-140	30	30			
Di-n-octylphthalate	117-84-0	5	2.26	ug/l	40-140	30	40-140	30	30			
Diethyl phthalate	84-66-2	5	0.765	ug/l	40-140	30	40-140	30	30			
Dimethyl phthalate	131-11-3	5	0.916	ug/l	40-140	30	40-140	30	30			
Benzo(a)anthracene	56-55-3	2	0.323	ug/l	40-140	30	40-140	30	30			
Benzo(a)pyrene	50-32-8	2	0.368	ug/l	40-140	30	40-140	30	30			
Benzo(b)fluoranthene	205-99-2	2	0.533	ug/l	40-140	30	40-140	30	30			
Benzo(k)fluoranthene	207-08-9	2	0.621	ug/l	40-140	30	40-140	30	30			
Chrysene	218-01-9	2	0.222	ug/l	40-140	30	40-140	30	30			
Acenaphthylene	208-96-8	2	0.315	ug/l	45-123	30	45-123	30	30			
Anthracene	120-12-7	2	0.467	ug/l	40-140	30	40-140	30	30			
Benzo(ghi)perylene	191-24-2	2	0.369	ug/l	40-140	30	40-140	30	30			
Fluorene	86-73-7	2	0.439	ug/l	40-140	30	40-140	30	30			
Phenanthrene	85-01-8	2	0.419	ug/l	40-140	30	40-140	30	30			

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

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

ABN Extractables - EPA 8270E (RVT) (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 100ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dibenzo(a,h)anthracene	53-70-3	2	0.286	ug/l	40-140	30	40-140	30	30			
Indeno(1,2,3-cd)Pyrene	193-39-5	2	0.484	ug/l	40-140	30	40-140	30	30			
Pyrene	129-00-0	2	0.407	ug/l	26-127	30	26-127	30	30			
Biphenyl	92-52-4	2	0.196	ug/l	40-140	30	40-140	30	30			
Aniline	62-53-3	2	0.67	ug/l	40-140	30	40-140	30	30			
4-Chloroaniline	106-47-8	5	0.468	ug/l	40-140	30	40-140	30	30			
1-Methylnaphthalene	90-12-0	2	0.415	ug/l	41-103	30	41-103	30	30			
2-Nitroaniline	88-74-4	5	1.03	ug/l	52-143	30	52-143	30	30			
3-Nitroaniline	99-09-2	5	1.16	ug/l	25-145	30	25-145	30	30			
4-Nitroaniline	100-01-6	5	1.45	ug/l	51-143	30	51-143	30	30			
Dibenzofuran	132-64-9	2	0.401	ug/l	40-140	30	40-140	30	30			
2-Methylnaphthalene	91-57-6	2	0.372	ug/l	40-140	30	40-140	30	30			
n-Nitrosodimethylamine	62-75-9	2	0.44	ug/l	22-74	30	22-74	30	30			
2,4,6-Trichlorophenol	88-06-2	5	2.09	ug/l	30-130	30	30-130	30	30			
P-Chloro-M-Cresol	59-50-7	2	0.606	ug/l	23-97	30	23-97	30	30			
2-Chlorophenol	95-57-8	2	0.653	ug/l	27-123	30	27-123	30	30			
2,4-Dichlorophenol	120-83-2	5	1.7	ug/l	30-130	30	30-130	30	30			
2,4-Dimethylphenol	105-67-9	5	2.04	ug/l	30-130	30	30-130	30	30			
2-Nitrophenol	88-75-5	10	1.95	ug/l	30-130	30	30-130	30	30			
4-Nitrophenol	100-02-7	10	1.42	ug/l	10-80	30	10-80	30	30			
2,4-Dinitrophenol	51-28-5	20	5.42	ug/l	20-130	30	20-130	30	30			
4,6-Dinitro-o-cresol	534-52-1	10	2.31	ug/l	20-164	30	20-164	30	30			
Pentachlorophenol	87-86-5	10	2.51	ug/l	9-103	30	9-103	30	30			
Phenol	108-95-2	5	0.35	ug/l	12-110	30	12-110	30	30			
2-Methylphenol	95-48-7	5	2.31	ug/l	30-130	30	30-130	30	30			
3-Methylphenol/4-Methylphenol	106-44-5	5	1.39	ug/l	30-130	30	30-130	30	30			
2,4,5-Trichlorophenol	95-95-4	5	2.07	ug/l	30-130	30	30-130	30	30			
Benzoic Acid	65-85-0	50	2.62	ug/l	10-164	30	10-164	30	30			
Benzyl Alcohol	100-51-6	2	0.381	ug/l	26-116	30	26-116	30	30			
Carbazole	86-74-8	2	0.309	ug/l	55-144	30	55-144	30	30			
Pyridine	110-86-1	3.5	0.308	ug/l	10-66	30	10-66	30	30			
2-Fluorophenol	*367-12-4*									*21-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*15-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-120*		
4-Terphenyl-d14	*1718-51-0*									*41-149*		

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

Semivolatile Sample Data

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-08	Date Collected	: 11/25/25 12:00
Client ID	: WC-112525	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/03/25 02:24
Sample Matrix	: WATER	Date Extracted	: 11/28/25
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 75576-08	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-08	Date Collected	: 11/25/25 12:00
Client ID	: WC-112525	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/03/25 02:24
Sample Matrix	: WATER	Date Extracted	: 11/28/25
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 75576-08	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	0.46	5.0	0.35	J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	8.7	5.0	1.4	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-08	Date Collected	: 11/25/25 12:00
Client ID	: WC-112525	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/03/25 02:24
Sample Matrix	: WATER	Date Extracted	: 11/28/25
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 75576-08	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: WG2147284-1	Date Collected	: NA
Client ID	: WG2147284-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/29/25 12:16
Sample Matrix	: WATER	Date Extracted	: 11/28/25
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 147284-1	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV112
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
118-74-1	Hexachlorobenzene	ND	2.0	0.45	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
91-58-7	2-Chloronaphthalene	ND	2.0	0.35	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
87-68-3	Hexachlorobutadiene	ND	2.0	0.36	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
67-72-1	Hexachloroethane	ND	2.0	0.20	U
78-59-1	Isophorone	ND	5.0	0.86	U
91-20-3	Naphthalene	ND	2.0	0.54	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: WG2147284-1	Date Collected	: NA
Client ID	: WG2147284-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/29/25 12:16
Sample Matrix	: WATER	Date Extracted	: 11/28/25
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 147284-1	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV112
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.3	3.0	1.4	J
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U
92-52-4	Biphenyl	ND	2.0	0.20	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: WG2147284-1	Date Collected	: NA
Client ID	: WG2147284-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/29/25 12:16
Sample Matrix	: WATER	Date Extracted	: 11/28/25
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 147284-1	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV112
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
91-57-6	2-Methylnaphthalene	ND	2.0	0.37	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
87-86-5	Pentachlorophenol	ND	10	2.5	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: WG2147284-1	Date Collected	: NA
Client ID	: WG2147284-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/29/25 12:16
Sample Matrix	: WATER	Date Extracted	: 11/28/25
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 147284-1	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV112
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\251202RVT\
Data File : 75576-08.D
Acq On : 3 Dec 2025 2:24 am
Operator : SV106:smz
Sample : L2575576-08,32,,ASK
Misc : WG2148721,WG2147284,ical22591
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 04 15:55:23 2025
Quant Method : I:\8270\SV106\251202RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 03 00:12:36 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\251202RVT\ABN1202.D
: 2 - I:\8270\SV106\251202RVT\ADP1202.D
: 3 - I:\8270\SV106\251202RVT\AP91202.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	3.939	152	33121	4.000	ug/ml		0.00
Standard Area 1 = 37364			Recovery = 88.64%				
27) IS2_1,4-Dichlorobenzen...	3.939	152	33121	4.000	ug/ml		0.00
Standard Area 3 = 41588			Recovery = 79.64%				
35) IS1_Naphthalene-d8	5.213	136	127246	4.000	ug/ml	#	0.00
Standard Area 1 = 140652			Recovery = 90.47%				
55) IS2_Naphthalene-d8	5.213	136	127246	4.000	ug/ml	#	0.00
Standard Area 3 = 152907			Recovery = 83.22%				
63) IS1_Acenaphthene-d10	6.938	164	75321	4.000	ug/ml		0.00
Standard Area 1 = 83328			Recovery = 90.39%				
83) IS2_Acenaphthene-d10	6.938	164	75321	4.000	ug/ml		0.00
Standard Area 3 = 91634			Recovery = 82.20%				
86) IS3_Acenaphthene-d10	6.938	164	75321	4.000	ug/ml		0.00
Standard Area 2 = 91579			Recovery = 82.25%				
88) IS1_Phenanthrene-d10	8.368	188	144662	4.000	ug/ml	#	0.00
Standard Area 1 = 147211			Recovery = 98.27%				
100) IS3_Phenanthrene-d10	8.368	188	144662	4.000	ug/ml	#	0.00
Standard Area 2 = 179567			Recovery = 80.56%				
104) IS1_Chrysene-d12	10.960	240	147673	4.000	ug/ml		0.00
Standard Area 1 = 110435			Recovery = 133.72%				
113) IS1_Perylene-d12	12.383	264	159923	4.000	ug/ml		0.00
Standard Area 1 = 113853			Recovery = 140.46%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.577	112	3724	0.407	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 20.35%				
7) Phenol-d6	3.650	99	3628	0.332	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 16.60%				
19) Nitrobenzene-d5	4.511	82	7114	0.701	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 70.10%				
46) 2-Fluorobiphenyl	6.319	172	16474	0.631	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 63.10%				
79) 2,4,6-Tribromophenol	7.709	330	2899	0.794	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 39.70%				
96) 4-Terphenyl-d14	9.971	244	23861	0.672	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 67.20%				

Data Path : I:\8270\SV106\251202RVT\
Data File : 75576-08.D
Acq On : 3 Dec 2025 2:24 am
Operator : SV106:smz
Sample : L2575576-08,32,,ASK
Misc : WG2148721,WG2147284,ical22591
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 04 15:55:23 2025
Quant Method : I:\8270\SV106\251202RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 03 00:12:36 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\251202RVT\ABN1202.D
: 2 - I:\8270\SV106\251202RVT\ADP1202.D
: 3 - I:\8270\SV106\251202RVT\AP91202.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	3.662	94	548	0.046	ug/ml#	37
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	4.277	108	982	0.107	ug/ml#	73
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	4.442	108	8667	0.867	ug/ml	88
20) Nitrobenzene	0.000		0	N.D.	d	
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.	d	
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	7.441	149	2137	0.075	ug/ml#	61

Data Path : I:\8270\SV106\251202RVT\
Data File : 75576-08.D
Acq On : 3 Dec 2025 2:24 am
Operator : SV106:smz
Sample : L2575576-08,32,,ASK
Misc : WG2148721,WG2147284,ical22591
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 04 15:55:23 2025
Quant Method : I:\8270\SV106\251202RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 03 00:12:36 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\251202RVT\ABN1202.D
: 2 - I:\8270\SV106\251202RVT\ADP1202.D
: 3 - I:\8270\SV106\251202RVT\AP91202.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
91) Carbazole	0.000		0	N.D.		
92) Di-n-butylphthalate	9.051	149	2248	0.049	ug/ml#	79
97) Butyl benzyl phthalate	0.000		0	N.D.		
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
108) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
109) Di-n-octylphthalate	0.000		0	N.D.	d	

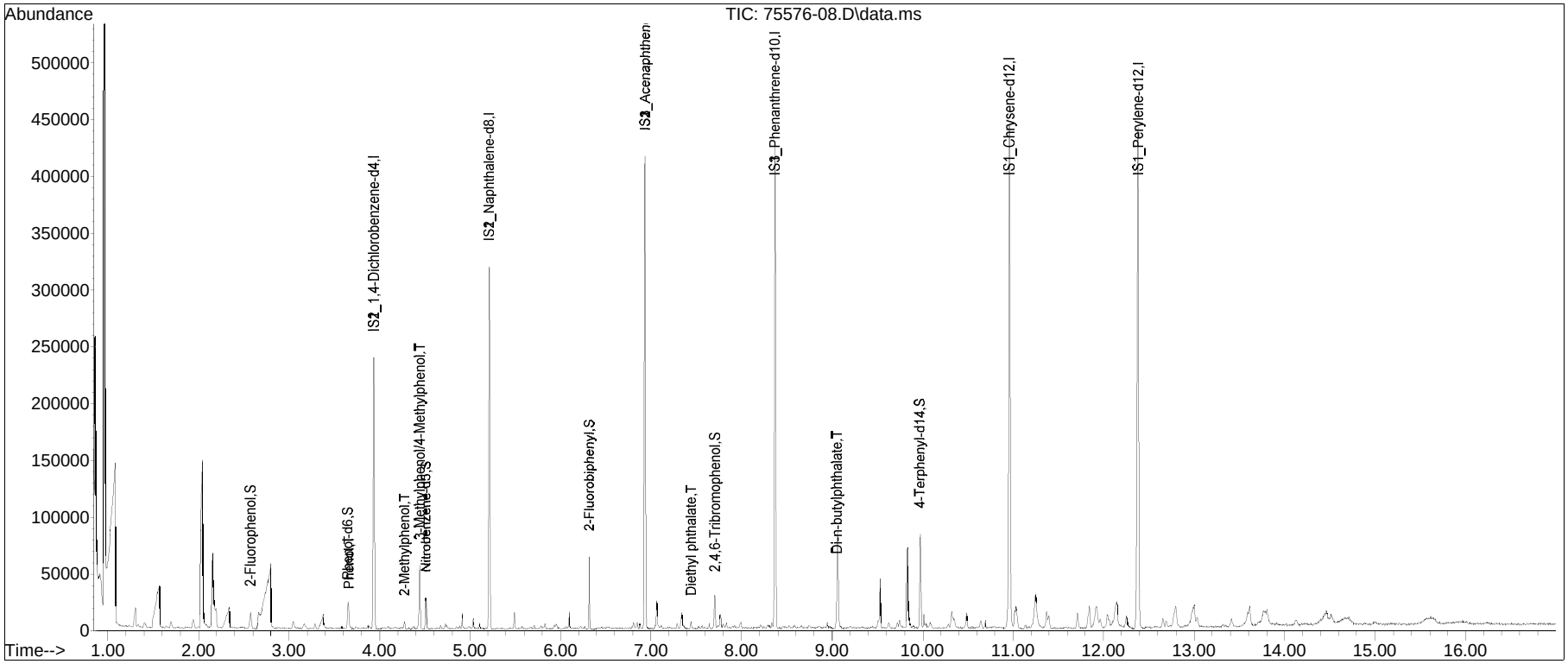
(#) = qualifier out of range (m) = manual integration (+) = signals summed

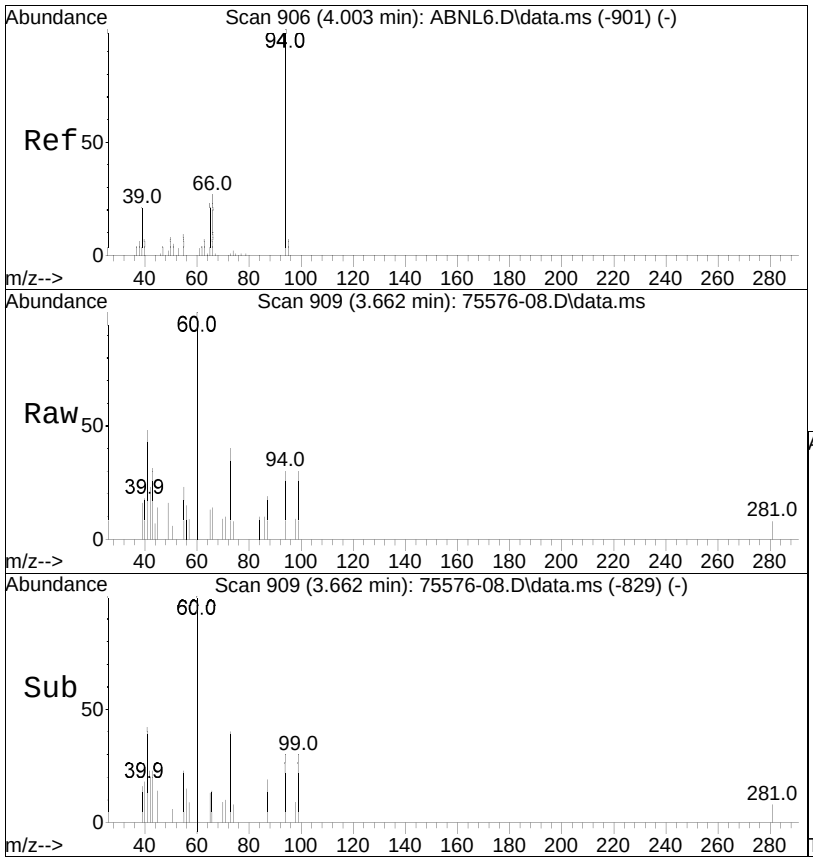
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\251202RVT\
Data File : 75576-08.D
Acq On : 3 Dec 2025 2:24 am
Operator : SV106:smz
Sample : L2575576-08,32,,ASK
Misc : WG2148721,WG2147284,ical22591
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 04 15:55:23 2025
Quant Method : I:\8270\SV106\251202RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 03 00:12:36 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA91202.D•

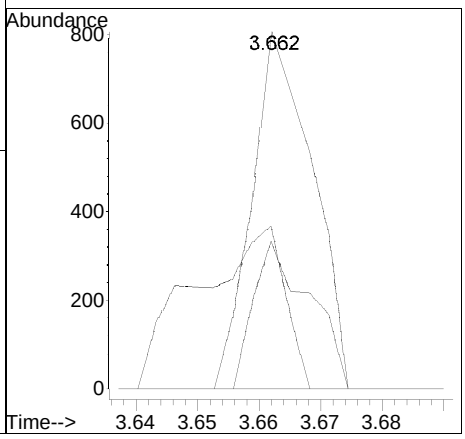


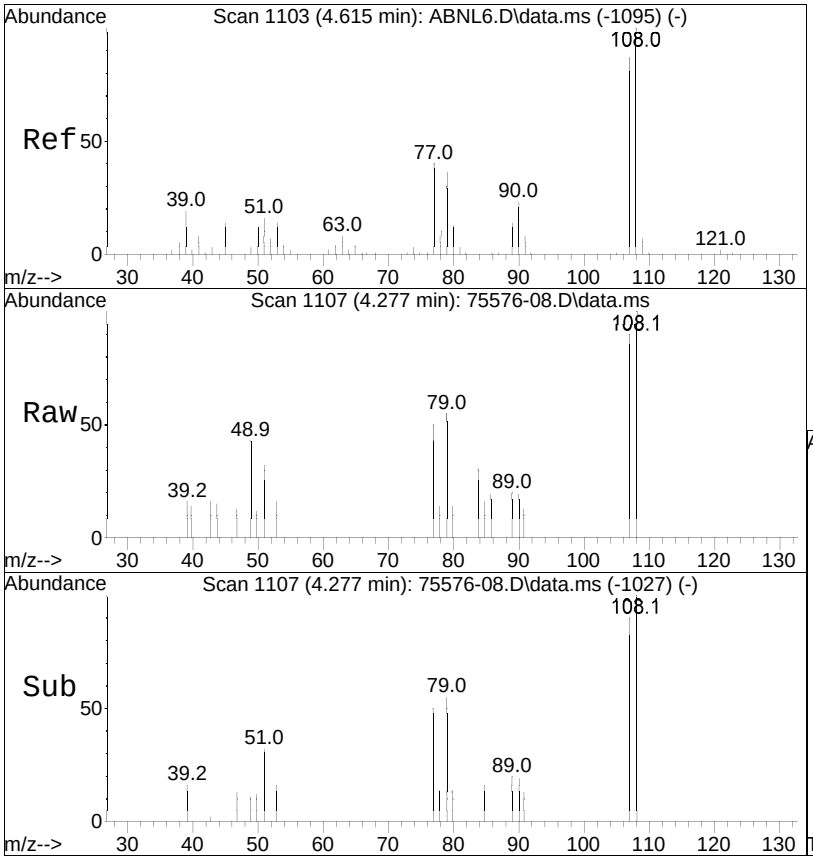


#8
Phenol
Concen: 0.05 ug/ml
RT: 3.662 min Scan# 909
Delta R.T. -0.000 min
Lab File: 75576-08.D
Acq: 3 Dec 2025 2:24 am

Tgt Ion: 94 Resp: 548

Ion	Ratio	Lower	Upper
94	100		
65	0.0	26.0	39.0#
66	0.0	33.8	50.8#

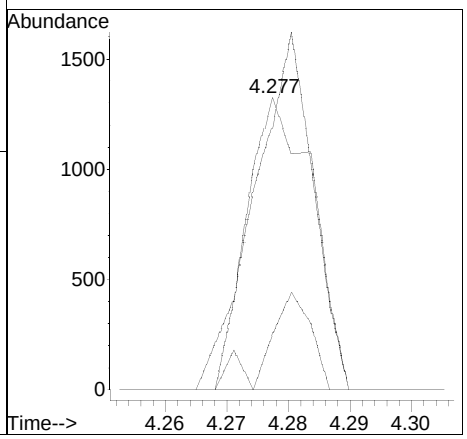


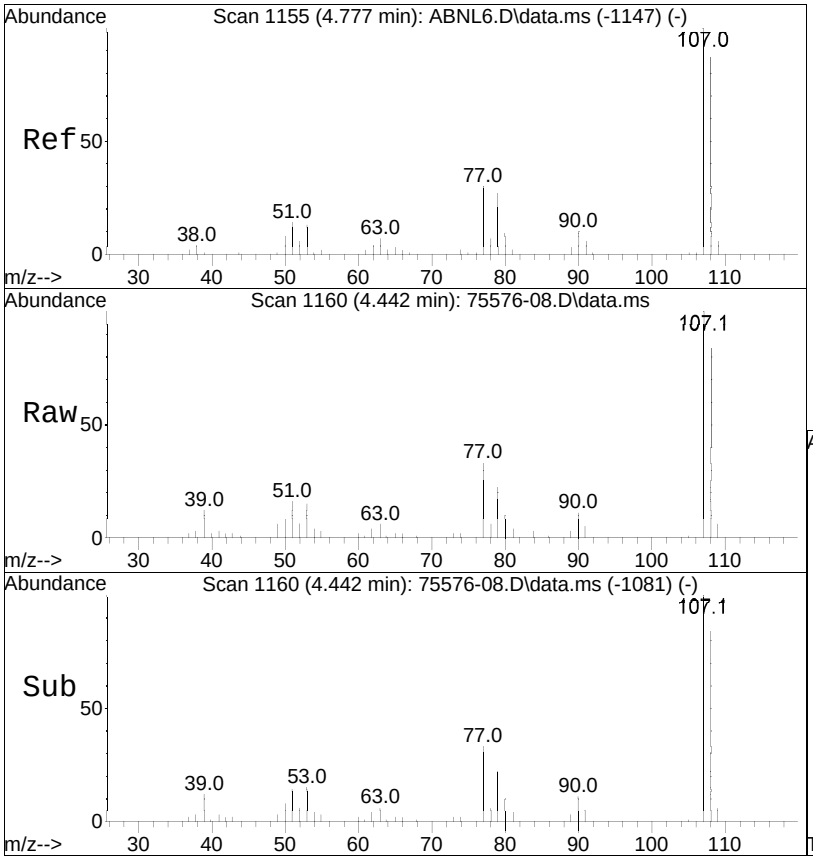


#15
2-Methylphenol
Concen: 0.11 ug/ml
RT: 4.277 min Scan# 1107
Delta R.T. -0.000 min
Lab File: 75576-08.D
Acq: 3 Dec 2025 2:24 am

Tgt Ion:108 Resp: 982

Ion	Ratio	Lower	Upper
108	100		
107	109.0	70.7	106.1#
90	0.0	18.7	28.1#

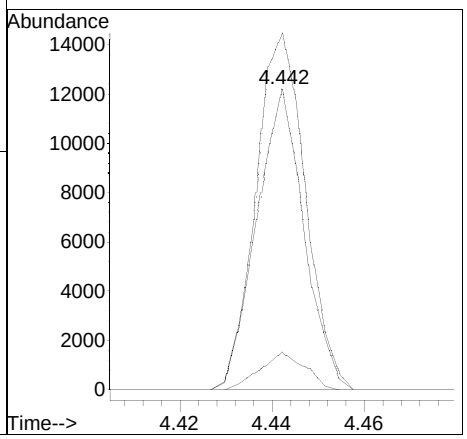


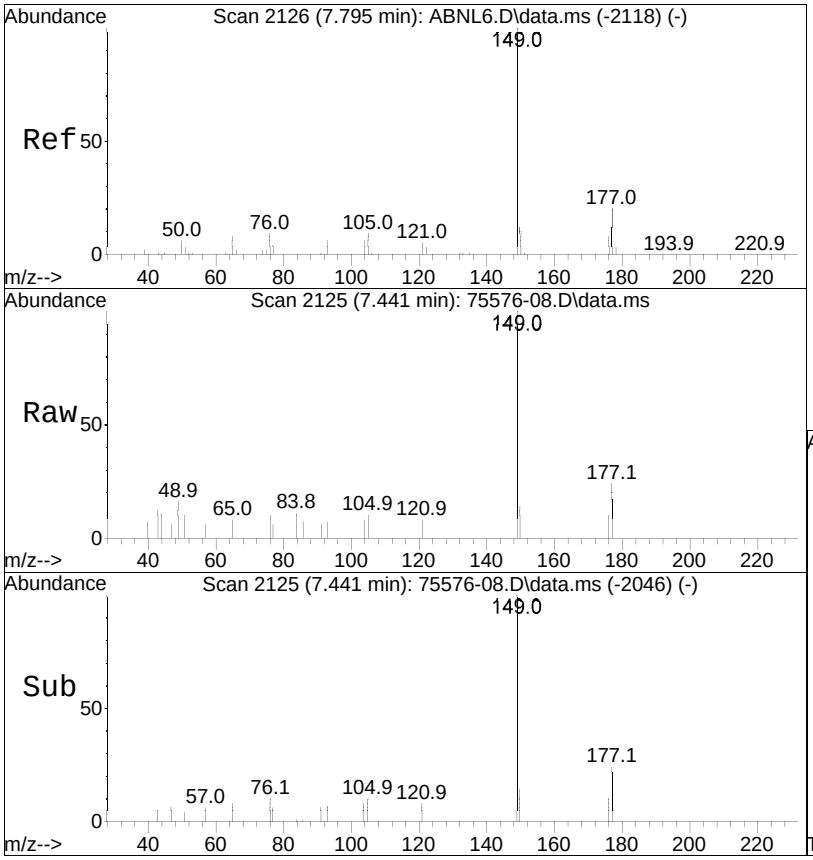


#18
3-Methylphenol/4-Methylphenol
Concen: 0.87 ug/ml
RT: 4.442 min Scan# 1160
Delta R.T. -0.003 min
Lab File: 75576-08.D
Acq: 3 Dec 2025 2:24 am

Tgt Ion:108 Resp: 8667

Ion	Ratio	Lower	Upper
108	100		
107	124.2	88.6	132.8
90	11.9	8.8	13.2

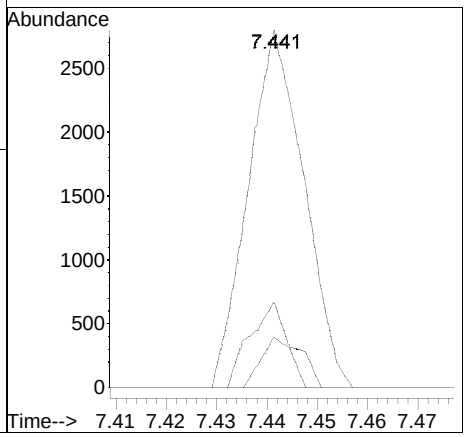


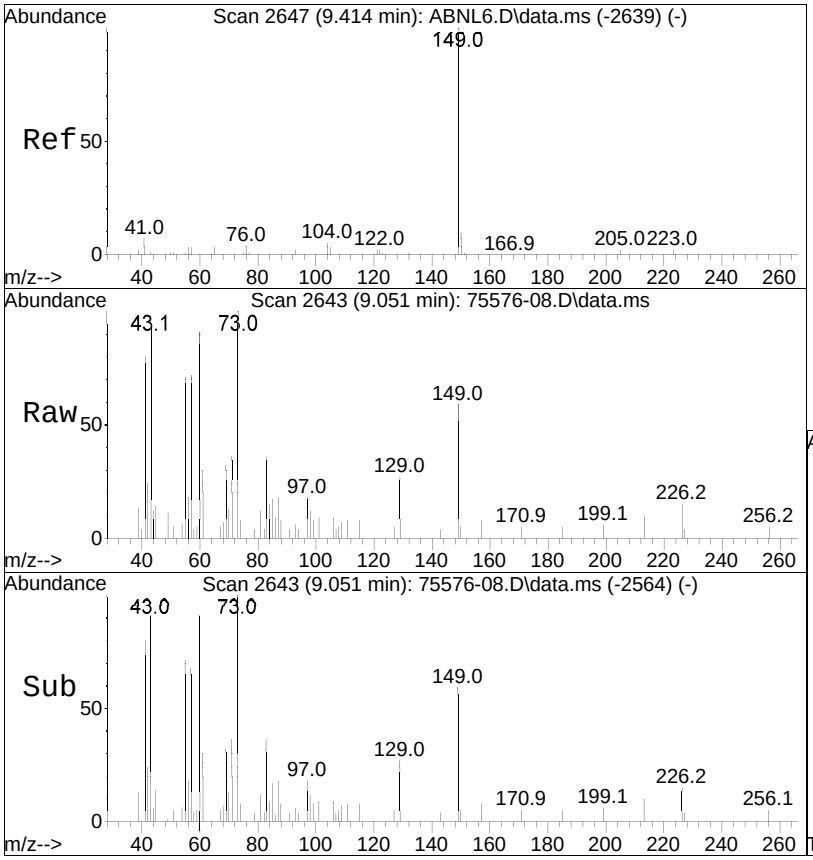


#72
Diethyl phthalate
Concen: 0.07 ug/ml
RT: 7.441 min Scan# 2125
Delta R.T. -0.003 min
Lab File: 75576-08.D
Acq: 3 Dec 2025 2:24 am

Tgt Ion:149 Resp: 2137

Ion	Ratio	Lower	Upper
149	100		
177	0.0	16.1	24.1#
150	0.0	9.4	14.2#

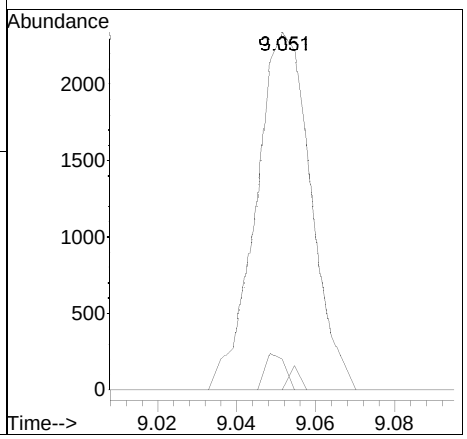




#92
Di-n-butylphthalate
Concen: 0.05 ug/ml
RT: 9.051 min Scan# 2643
Delta R.T. -0.003 min
Lab File: 75576-08.D
Acq: 3 Dec 2025 2:24 am

Tgt Ion:149 Resp: 2248

Ion	Ratio	Lower	Upper
149	100		
150	0.0	7.0	10.6#
104	0.0	4.5	6.7#



Manual Integration Report

Data Path	: I:\8270\SV106\251202RVT\	QMethod	: FS250827SV106.m
Data File	: 75576-08.D	Operator	: SV106:smz
Date Inj'd	: 12/3/2025 2:24 am	Instrument	: SV 106
Sample	: L2575576-08,32,,ASK	Quant Date	: 12/3/2025 2:42 am

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

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: SV112	**Ical Ref**	: ICAL22560
Calibration dates	: 08/17/25 18:26 08/18/25 06:05		

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5a.D L6 =ADPL6.D L7 =ADPL7.D

L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	T	N-Nitrosodimethylamine	0.731	0.626	0.651	0.652	0.768	0.882	0.989	0.912	0.916	0.792	17.20
3)	T	Pyridine		1.100	1.121	1.024	1.283	1.391	1.753	1.555	1.568	1.349	19.38
4)	S	2-Fluorophenol	1.059	0.795	0.960	0.883	1.020	1.244	1.390	1.303	1.291	1.105	18.92
5)	T	Aniline	1.360	1.271	1.604	1.714	1.935	2.250	2.526	2.306	2.264	*L	0.9976
6)	T	2-Chlorophenol	1.074	1.088	1.113	1.052	1.225	1.477	1.619	1.472	1.462	1.287	17.06
7)	S	Phenol-d6	1.102	1.198	1.263	1.213	1.301	1.639	1.819	1.669	1.648	1.428	18.40
8)	T	Phenol	1.332	1.371	1.380	1.299	1.527	1.765	1.974	1.809	1.773	1.581	15.90
9)	T	bis(2-Chloroethyl)ether	1.360	1.277	1.114	1.093	1.260	1.433	1.556	1.401	1.379	1.319	11.35
10)	T	1,3-Dichlorobenzene	1.547	1.563	1.467	1.352	1.486	1.686	1.817	1.635	1.608	1.573	8.58
11)	T	1,4-Dichlorobenzene	1.679	1.472	1.473	1.426	1.512	1.740	1.848	1.681	1.666	1.611	9.00
12)	T	1,2-Dichlorobenzene	1.577	1.545	1.301	1.347	1.498	1.688	1.806	1.636	1.614	1.557	10.22
13)	T	Benzyl alcohol		0.892	0.908	0.887	1.005	1.234	1.415	1.313	1.319	1.122	19.68
14)	T	bis(2-chloroisopropyl)ether	1.965	2.006	1.889	1.876	2.095	2.340	2.607	2.325	2.231	2.148	11.44
15)	T	2-Methylphenol	0.895	0.980	0.965	0.942	1.086	1.309	1.464	1.386	1.366	1.155	19.40
16)	T	Hexachloroethane	0.507	0.537	0.561	0.522	0.564	0.644	0.708	0.658	0.665	0.596	12.24
17)	T	n-Nitrosodi-n-propylamine	0.921	0.851	0.831	0.868	0.949	1.150	1.308	1.203	1.209	1.032	17.80
18)	T	3-Methylphenol/4-Methylphenol	1.091	1.066	1.068	1.039	1.201	1.413	1.606	1.473	1.477	1.270	17.38
19)	S	Nitrobenzene-d5	1.183	1.112	1.079	1.094	1.225	1.528	1.726	1.618	1.621	1.354	19.50
20)	T	Nitrobenzene	1.223	1.116	1.254	1.124	1.257	1.569	1.813	1.651	1.639	1.405	18.65
21)	T	Isophorone	2.634	2.400	2.332	2.330	2.657	3.225	3.580	3.263	3.223	2.849	16.68
22)	T	2-Nitrophenol			0.461	0.513	0.531	0.709	0.847	0.812	0.820	*L	0.9974
23)	T	2,4-Dimethylphenol			1.190	1.154	1.373	1.644	1.849	1.680	1.676	1.510	17.88
24)	T	bis(2-Chloroethoxy)methane	1.643	1.659	1.493	1.518	1.709	2.020	2.230	2.005	1.990	1.807	14.35
25)	T	2,4-Dichlorophenol			1.056	0.989	1.135	1.465	1.633	1.532	1.532	1.335	19.84
26)	T	1,2,4-Trichlorobenzene	1.556	1.392	1.355	1.318	1.455	1.654	1.807	1.655	1.656	1.539	10.87
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	0.483	0.631	0.700	0.588	0.584	0.562	0.602	0.587	0.634	0.597	9.83
29)	T	Acetophenone	1.829	2.083	2.233	1.955	1.887	1.884	1.957	1.950	2.043	1.980	6.22
30)	T	m-Toluidine			1.030	1.058	1.104	1.190	1.269	1.288	1.400	1.191	11.37
31)	T	2-Chloroaniline	1.502	1.695	1.954	1.708	1.586	1.638	1.691	1.674	1.744	1.688	7.32
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	T	1,4-Dioxane	0.664	0.639	0.691	0.503	0.465	0.505	0.494	0.474	0.481	0.546	16.63
34)	T	n-Decane	1.791	1.463	1.802	1.534	1.545	1.593	1.580	1.541	1.568	1.602	7.27
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.101	1.122	0.994	0.904	1.051	1.145	1.226	1.049	0.972	1.063	9.22

Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: SV112	**Ical Ref**	: ICAL22560
Calibration dates	: 08/17/25 18:26 08/18/25 06:05		

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5a.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
37)	T	Benzoic Acid					0.138	0.222	0.294	0.303	0.319	*L	0.9995
38)	T	4-Chloroaniline	0.128	0.108	0.121	0.124	0.144	0.159	0.183	0.161	0.167	0.144	17.40
39)	T	Hexachlorobutadiene	0.262	0.259	0.226	0.215	0.226	0.271	0.289	0.263	0.266	0.253	9.70
40)	T	p-Chloro-m-cresol		0.265	0.270	0.247	0.306	0.368	0.421	0.375	0.378	0.329	19.66
41)	T	2-Methylnaphthalene	0.666	0.643	0.616	0.579	0.646	0.735	0.798	0.698	0.679	0.674	9.65
42)	T	1-Methylnaphthalene	0.304	0.259	0.218	0.227	0.262	0.285	0.312	0.275	0.283	0.269	11.78
43)	T	Hexachlorocyclopentadiene				0.224	0.248	0.332	0.383	0.360	0.369	*L	0.9983
44)	T	2,4,6-Trichlorophenol		0.193	0.194	0.203	0.242	0.305	0.346	0.318	0.329	*L	0.9971
45)	T	2,4,5-Trichlorophenol			0.221	0.230	0.274	0.345	0.375	0.341	0.342	*L	0.9978
46)	S	2-Fluorobiphenyl	0.911	0.876	0.847	0.831	0.920	1.037	1.086	0.945	0.889	0.927	9.16
47)	T	2-Chloronaphthalene	0.751	0.743	0.716	0.689	0.775	0.865	0.928	0.818	0.787	0.786	9.54
48)	T	2-Nitroaniline			0.158	0.165	0.200	0.241	0.291	0.272	0.279	*L	0.9978
49)	T	1,4-Dinitrobenzene					0.099	0.123	0.143	0.134	0.142	0.128	14.10
50)	T	1,3-Dinitrobenzene					0.107	0.139	0.165	0.153	0.161	0.145	16.05
51)	T	Dimethyl phthalate	0.893	0.942	0.892	0.844	1.029	1.147	1.215	1.036	0.971	0.996	12.34
52)	T	Acenaphthylene	1.230	1.173	1.161	1.094	1.338	1.498	1.558	1.306	1.180	1.282	12.38
53)	T	2,6-Dinitrotoluene			0.144	0.135	0.180	0.222	0.244	0.238	0.245	*L	0.9986
54)	T	1,2-Dinitrobenzene					0.074	0.092	0.105	0.097	0.100	0.094	12.65
55)	I	IS2_Naphthalene-d8	----------ISTD----------										
56)	T	a-Terpineol	0.252	0.294	0.331	0.297	0.291	0.291	0.301	0.311	0.313	0.298	7.23
57)	T	3-Chloroaniline		0.128	0.162	0.135	0.131	0.136	0.137	0.138	0.140	0.138	7.35
58)	T	2,6-Dichlorophenol	0.225	0.269	0.295	0.277	0.278	0.289	0.295	0.304	0.310	0.282	8.94
59)	T	1-chloro-2-nitrobenzene	0.097	0.156	0.145	0.138	0.133	0.136	0.139	0.145	0.150	0.137	12.23
60)	T	Caprolactam		0.115	0.183	0.172	0.167	0.174	0.191	0.207	0.210	0.177	16.78
61)	T	1,2,4,5-Tetrachlorobenzene	0.385	0.485	0.543	0.465	0.433	0.424	0.421	0.419	0.415	0.443	10.65
62)	T	Biphenyl	0.920	1.102	1.222	1.009	0.941	0.934	0.933	0.902	0.842	0.978	11.90
63)	I	IS1_Acenaphthene-d10	----------ISTD----------										
64)	T	3-Nitroaniline			0.223	0.231	0.300	0.358	0.419	0.378	0.380	*L	0.9977
65)	T	Acenaphthene	1.109	1.070	1.052	0.938	1.090	1.187	1.292	1.120	1.061	1.102	8.85
66)	T	2,4-Dinitrophenol				0.070	0.121	0.175	0.218	0.210	0.223	*L	0.9981
67)	T	Dibenzofuran	1.906	1.766	1.695	1.626	1.886	2.021	2.153	1.810	1.637	1.833	9.67
68)	T	2,4-Dinitrotoluene			0.291	0.287	0.376	0.451	0.531	0.472	0.483	*L	0.9974
69)	T	4-Nitrophenol			0.168	0.188	0.246	0.321	0.371	0.319	0.321	*L	0.9957
70)	T	2,3,5,6-Tetrachlorophenol			0.271	0.299	0.350	0.454	0.512	0.476	0.481	*L	0.9995
71)	T	2,3,4,6-Tetrachlorophenol			0.271	0.285	0.380	0.465	0.504	0.462	0.470	*L	0.9995
72)	T	Diethyl phthalate	1.545	1.453	1.320	1.277	1.616	1.769	1.905	1.652	1.544	1.565	12.86

Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: SV112	**Ical Ref**	: ICAL22560
Calibration dates	: 08/17/25 18:26 08/18/25 06:05		

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5a.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
73)	T	Fluorene	1.630	1.355	1.366	1.256	1.528	1.650	1.741	1.496	1.383	1.489	10.86
74)	T	4-Chlorophenyl-phenylether	0.855	0.798	0.698	0.666	0.776	0.830	0.890	0.771	0.764	0.783	9.12
75)	T	4-Nitroaniline			0.220	0.231	0.321	0.360	0.415	0.368	0.372	*L	0.9976
76)	T	4,6-Dinitro-o-cresol				0.150	0.218	0.260	0.307	0.295	0.306	*L	0.9992
77)	T	NDPA/DPA	1.236	1.104	1.128	1.050	1.297	1.390	1.493	1.284	1.228	1.246	11.30
78)	T	Azobenzene	1.175	1.212	1.217	1.164	1.498	1.603	1.663	1.448	1.358	1.371	13.92
79)	S	2,4,6-Tribromophenol		0.210	0.199	0.203	0.236	0.275	0.313	0.294	0.304	0.254	18.72
80)	T	4-Bromophenyl-phenylether	0.484	0.510	0.457	0.425	0.492	0.562	0.619	0.531	0.530	0.512	11.24
81)	T	Hexachlorobenzene	0.695	0.584	0.544	0.503	0.577	0.639	0.699	0.610	0.610	0.607	10.64
82)	T	Pentachlorophenol				0.178	0.271	0.354	0.433	0.410	0.424	*L	0.9985
83)	I	IS2_Acenaphthene-d10	----------ISTD----------										
84)	T	Dichloran	0.117	0.170	0.201	0.171	0.163	0.167	0.191	0.211	0.224	0.179	17.65
85)	T	Pentachloronitrobenzene	0.164	0.201	0.218	0.194	0.186	0.194	0.221	0.231	0.234	0.205	11.31
86)	I	IS3_Acenaphthene-d10	----------ISTD----------										
87)	T	Atrazine	0.517	0.437	0.482	0.407	0.410	0.472	0.467	0.473	0.501	0.463	8.17
88)	I	IS1_Phenanthrene-d10	----------ISTD----------										
89)	T	Phenanthrene	1.142	1.100	1.023	0.990	1.145	1.187	1.282	1.075	0.947	1.099	9.46
90)	T	Anthracene	1.127	1.032	0.979	0.961	1.140	1.224	1.313	1.088	0.956	1.091	11.30
91)	T	Carbazole	0.919	0.917	0.872	0.853	1.069	1.132	1.214	1.032	0.932	0.993	12.56
92)	T	Di-n-butylphthalate	1.066	0.990	0.970	0.971	1.216	1.365	1.529	1.281	1.085	1.164	16.95
93)	T	Fluoranthene	1.376	1.258	1.216	1.156	1.451	1.497	1.599	1.292	1.119	1.329	12.24
94)	T	Benzidine				0.539	0.789	0.901	1.051	0.915	0.842	*L	0.9918
95)	T	Pyrene	1.314	1.314	1.277	1.208	1.565	1.569	1.629	1.314	1.115	1.367	13.05
96)	S	4-Terphenyl-d14	1.124	1.027	0.977	0.927	1.156	1.185	1.248	1.039	0.927	1.068	10.87
97)	T	Butyl benzyl phthalate			0.387	0.390	0.505	0.579	0.689	0.623	0.592	*L	0.9961
98)	I	IS2_Phenanthrene-d10	----------ISTD----------										
99)	T	Diphenamid	0.414	0.482	0.547	0.466	0.486	0.487	0.527	0.524	0.517	0.494	8.12
100)	I	IS3_Phenanthrene-d10	----------ISTD----------										
101)	T	n-Octadecane	0.558	0.479	0.550	0.452	0.454	0.491	0.500	0.499	0.482	0.496	7.46
102)	T	Parathion	0.116	0.094	0.103	0.090	0.088	0.099	0.108	0.123	0.137	0.106	15.40
103)	T	3,3'-Dimethylbenzidine				0.541	0.582	0.768	0.849	0.847	0.835	0.737	18.97
104)	I	IS1_Chrysene-d12	----------ISTD----------										
105)	T	Benzo[a]anthracene	1.440	1.236	1.148	1.119	1.308	1.423	1.569	1.341	1.189	1.308	11.49
106)	T	3,3'-Dichlorobenzidine	0.431	0.374	0.376	0.378	0.454	0.551	0.627	0.547	0.522	0.473	19.48
107)	T	Chrysene	1.298	1.199	1.168	1.097	1.274	1.357	1.430	1.135	0.985	1.216	11.36
108)	T	bis(2-Ethylhexyl)phthalate		0.563	0.533	0.553	0.676	0.835	0.964	0.865	0.802	*L	0.9942

Initial Calibration Summary
Form 6
Semivolatiles

Client	: **Roux Env. Eng. & Geology, DPC**	**Lab Number**	: **L2575576**
Project Name	: **1000 TURK HILL RD GWS**	**Project Number**	: **3113.0001Y000**
Instrument ID	: **SV112**	**Ical Ref**	: **ICAL22560**
Calibration dates	: **08/17/25 18:26 08/18/25 06:05**		

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5a.D L6 =ADPL6.D L7 =ADPL7.D

L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
109)	T	Di-n-octylphthalate			0.831	0.875	1.083	1.385	1.633	1.400	1.224	*Q	0.9962
110)	T	Benzo(b)fluoranthene	1.333	1.176	1.089	1.118	1.308	1.380	1.563	1.304	1.282	1.283	11.29
111)	T	Benzo(k)fluoranthene	1.276	1.108	1.140	1.102	1.327	1.469	1.528	1.257	1.054	1.251	13.40
112)	T	Benzo(a)pyrene	1.139	1.055	0.995	1.032	1.228	1.345	1.480	1.258	1.162	1.188	13.28
113)	I	IS1_Perylene-d12	----------ISTD----------										
114)	T	Indeno(1,2,3-cd)pyrene	1.010	1.007	0.898	0.885	1.064	1.242	1.394	1.213	1.228	1.105	15.70
115)	T	Dibenzo[a,h]anthracene	0.980	0.957	0.916	0.913	1.088	1.226	1.321	1.123	1.054	1.064	13.28
116)	T	Benzo(g,h,i)perylene	1.055	1.052	0.949	0.939	1.124	1.239	1.330	1.155	1.102	1.105	11.47

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2575576**
Project Name	**: 1000 TURK HILL RD GWS**	**Project Number**	**: 3113.0001Y000**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL22591**
Calibration dates	**: 08/27/25 20:12 08/28/25 06:19**		

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D

L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	t	n-Nitrosodimet	0.625	0.627	0.648	0.651	0.662	0.669	0.715	0.683	0.660	0.660	4.21
3)	t	Pyridine	0.909	1.005	1.085	1.116	1.207	1.184	1.274	1.222	1.175	1.131	10.23
4)	S	2-Fluorophenol	1.000	1.021	1.001	1.070	1.147	1.150	1.218	1.194	1.153	1.106	7.64
5)	T	Aniline		1.318	1.579	1.766	1.790	1.829	1.917	1.896	1.813	1.738	11.43
6)	t	2-Chlorophenol	1.232	1.140	1.249	1.321	1.367	1.380	1.482	1.442	1.373	1.332	8.13
7)	S	Phenol-d6	1.128	1.235	1.291	1.274	1.342	1.353	1.455	1.430	1.353	1.318	7.59
8)	T	Phenol	1.253	1.337	1.402	1.430	1.476	1.460	1.589	1.553	1.468	1.441	7.13
9)	T	Bis(2-chloroet	1.077	1.056	1.154	1.160	1.155	1.153	1.227	1.183	1.121	1.143	4.55
10)	T	1,3-Dichlorobe	1.521	1.666	1.599	1.571	1.592	1.611	1.692	1.614	1.518	1.598	3.63
11)	T	1,4-Dichlorobe	1.660	1.531	1.676	1.616	1.654	1.635	1.727	1.648	1.559	1.634	3.64
12)	T	1,2-Dichlorobe	1.556	1.602	1.607	1.539	1.587	1.562	1.633	1.575	1.485	1.572	2.77
13)	t	Benzyl alcohol	0.792	0.919	0.907	0.939	0.980	0.980	1.073	1.070	1.019	0.964	9.14
14)	T	Bis(2-chlorois	1.869	1.814	1.874	1.874	1.902	1.873	1.957	1.896	1.742	1.867	3.22
15)	T	2-Methylphenol	1.023	0.916	1.081	1.090	1.106	1.134	1.226	1.217	1.144	1.104	8.65
16)	T	Hexachloroethane	0.491	0.596	0.593	0.604	0.625	0.620	0.655	0.633	0.599	0.602	7.69
17)	T	n-Nitrosodi-n-	0.714	0.726	0.703	0.805	0.843	0.844	0.919	0.917	0.860	0.815	10.23
18)	T	3-Methylphenol	1.201	1.077	1.095	1.170	1.213	1.221	1.339	1.305	1.239	1.207	7.12
19)	S	Nitrobenzene-d5	1.107	1.084	1.149	1.192	1.243	1.261	1.360	1.357	1.283	1.226	8.22
20)	T	Nitrobenzene	1.114	1.129	1.225	1.204	1.290	1.306	1.392	1.390	1.292	1.260	8.00
21)	T	Isophorone	2.034	2.084	2.111	2.177	2.333	2.360	2.577	2.576	2.409	2.296	8.95
22)	T	2-Nitrophenol		0.493	0.534	0.535	0.635	0.665	0.749	0.776	0.734	0.640	17.12
23)	T	2,4-Dimethylph	1.142	1.150	1.117	1.218	1.288	1.344	1.427	1.417	1.337	1.271	9.35
24)	T	Bis(2-chloroet	1.391	1.497	1.492	1.513	1.613	1.560	1.658	1.651	1.542	1.546	5.54
25)	T	2,4-Dichloroph	0.989	0.948	1.054	1.135	1.212	1.232	1.357	1.341	1.259	1.170	12.63
26)	T	1,2,4-Trichlor	1.342	1.329	1.312	1.380	1.396	1.375	1.462	1.429	1.342	1.374	3.58
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	0.678	0.660	0.659	0.656	0.650	0.634	0.633	0.613	0.622	0.645	3.22
29)	T	Acetophenone	1.895	1.931	2.072	1.849	1.891	1.873	1.878	1.853	1.903	1.905	3.56
30)	T	m-Toluidine		0.747	0.912	1.162	1.209	1.261	1.257	1.311	1.123	18.79	
31)	T	2-Chloroaniline	1.668	1.617	1.753	1.641	1.748	1.750	1.800	1.743	1.792	1.724	3.80
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	t	1,4-Dioxane	0.606	0.475	0.495	0.460	0.452	0.426	0.458	0.442	0.477	11.74	
34)	T	n-Decane	1.451	1.569	1.484	1.428	1.409	1.421	1.366	1.489	1.426	1.449	4.05
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.082	1.113	1.085	1.081	1.083	1.076	1.119	1.089	1.010	1.082	2.84

Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: SV106	**Ical Ref**	: ICAL22591
Calibration dates	: 08/27/25 20:12 08/28/25 06:19		

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
37)	T	Benzoic Acid				0.132	0.162	0.197	0.245	0.274	0.268	*L	0.9972
38)	T	4-Chloroaniline	0.100	0.096	0.113	0.122	0.122	0.122	0.129	0.128	0.121	0.117	10.11
39)	T	Hexachlorobuta	0.178	0.207	0.203	0.198	0.202	0.201	0.213	0.205	0.196	0.200	4.85
40)	T	p-Chloro-m-cresol	0.278	0.248	0.266	0.255	0.285	0.289	0.317	0.317	0.301	0.284	8.87
41)	T	2-Methylnaphth	0.673	0.640	0.606	0.630	0.633	0.634	0.677	0.662	0.612	0.641	3.92
42)	T	1-Methylnaphth	0.209	0.233	0.228	0.220	0.232	0.224	0.241	0.235	0.224	0.227	4.09
43)	T	Hexachlorocycl	0.242	0.230	0.231	0.250	0.256	0.258	0.276	0.278	0.265	0.254	6.84
44)	T	2,4,6-Trichlor	0.160	0.165	0.197	0.211	0.216	0.228	0.249	0.254	0.240	0.213	16.00
45)	T	2,4,5-Trichlor	0.224	0.200	0.197	0.220	0.247	0.252	0.276	0.277	0.261	0.239	12.74
46)	S	2-Fluorobiphenyl	0.843	0.835	0.796	0.808	0.825	0.808	0.857	0.835	0.777	0.821	3.09
47)	T	2-Chloronaphth	0.695	0.743	0.714	0.725	0.725	0.722	0.766	0.751	0.700	0.727	3.20
48)	T	2-Nitroaniline	0.155	0.161	0.170	0.187	0.207	0.224	0.249	0.258	0.243	0.206	19.20
49)	T	1,4-Dinitroben		0.071	0.072	0.090	0.096	0.102	0.113	0.119	0.114	0.097	19.22
50)	T	1,3-Dinitroben		0.090	0.089	0.091	0.109	0.120	0.132	0.136	0.127	0.112	17.57
51)	T	Dimethyl phtha	0.834	0.825	0.786	0.845	0.862	0.868	0.935	0.910	0.847	0.857	5.21
52)	T	Acenaphthylene	1.111	1.063	1.083	1.141	1.192	1.213	1.286	1.264	1.177	1.170	6.61
53)	T	2,6-Dinitrotol		0.131	0.132	0.153	0.171	0.176	0.195	0.194	0.185	0.167	15.47
54)	T	1,2-Dinitroben		0.054	0.054	0.069	0.076	0.079	0.085	0.084	0.081	0.073	17.37
55)	I	IS2_Naphthalene-d8	----------ISTD----------										
56)	T	a-Terpineol	0.261	0.270	0.259	0.260	0.264	0.266	0.275	0.275	0.273	0.267	2.41
57)	T	3-Chloroaniline		0.102	0.112	0.111	0.120	0.122	0.118	0.115	0.115	0.114	5.48
58)	T	2,6-Dichloroph	0.275	0.262	0.282	0.257	0.283	0.289	0.305	0.307	0.308	0.285	6.59
59)	T	1-chloro-2-nit	0.117	0.121	0.131	0.138	0.137	0.136	0.144	0.144	0.145	0.135	7.49
60)	T	Caprolactam		0.113	0.120	0.124	0.145	0.148	0.156	0.161	0.166	0.142	14.18
61)	T	1,2,4,5-Tetrachlorobenzene	0.390	0.417	0.395	0.364	0.366	0.364	0.360	0.353	0.350	0.373	5.99
62)	T	Biphenyl	1.080	0.960	0.943	0.906	0.928	0.905	0.900	0.882	0.874	0.931	6.70
63)	I	IS1_Acenaphthene-d10	----------ISTD----------										
64)	T	3-Nitroaniline		0.272	0.286	0.317	0.357	0.365	0.383	0.386	0.367	0.342	12.90
65)	T	Acenaphthene	1.251	1.111	1.104	1.139	1.138	1.119	1.152	1.133	1.074	1.136	4.34
66)	T	2,4-Dinitrophenol				0.125	0.138	0.158	0.179	0.199	0.195	0.166	18.30
67)	T	Dibenzofuran	1.914	1.931	1.798	1.861	1.847	1.817	1.873	1.835	1.721	1.844	3.41
68)	T	2,4-Dinitrotol	0.312	0.303	0.330	0.348	0.401	0.426	0.452	0.456	0.433	0.385	15.99
69)	T	4-Nitrophenol	0.249	0.176	0.215	0.220	0.236	0.250	0.263	0.267	0.266	0.238	12.64
70)	T	2,3,5,6-Tetrac		0.235	0.281	0.315	0.354	0.368	0.387	0.397	0.381	0.340	16.92
71)	T	2,3,4,6-Tetrachlorophenol	0.252	0.230	0.304	0.319	0.358	0.367	0.389	0.381	0.369	0.330	17.50
72)	T	Diethyl phthalate	1.608	1.488	1.406	1.471	1.517	1.532	1.572	1.566	1.487	1.516	4.05

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2575576**
Project Name	**: 1000 TURK HILL RD GWS**	**Project Number**	**: 3113.0001Y000**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL22591**
Calibration dates	**: 08/27/25 20:12 08/28/25 06:19**		

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D

L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
73)	T	Fluorene	1.576	1.453	1.402	1.417	1.466	1.422	1.473	1.447	1.367	1.447	4.06
74)	T	4-Chlorophenyl	0.763	0.666	0.677	0.690	0.698	0.684	0.694	0.681	0.643	0.688	4.70
75)	T	4-Nitroaniline	0.279	0.294	0.280	0.322	0.348	0.367	0.392	0.384	0.367	0.337	13.14
76)	T	4,6-Dinitro-o-			0.148	0.176	0.201	0.219	0.245	0.257	0.251	0.214	19.28
77)	T	NDPA/DPA	1.240	1.142	1.119	1.214	1.236	1.236	1.279	1.243	1.176	1.209	4.35
78)	T	Azobenzene	1.256	1.163	1.201	1.253	1.325	1.316	1.341	1.328	1.264	1.272	4.84
79)	S	2,4,6-Tribromo		0.152	0.174	0.186	0.197	0.200	0.210	0.220	0.212	0.194	11.57
80)	T	4-Bromophenyl	0.464	0.432	0.402	0.418	0.424	0.413	0.434	0.427	0.405	0.424	4.38
81)	T	Hexachlorobenzene	0.521	0.488	0.460	0.464	0.481	0.459	0.472	0.474	0.456	0.475	4.26
82)	T	Pentachlorophenol				0.197	0.249	0.276	0.310	0.324	0.323	0.280	17.94
83)	I	IS2_Acenaphthene-d10	----------ISTD----------										
84)	T	Dichloran	0.147	0.124	0.138	0.135	0.146	0.161	0.174	0.193	0.207	0.158	17.57
85)	T	Pentachloronit		0.110	0.139	0.135	0.154	0.164	0.170	0.176	0.187	0.154	16.28
86)	I	IS3_Acenaphthene-d10	----------ISTD----------										
87)	T	Atrazine	0.309	0.334	0.345	0.341	0.354	0.377	0.391	0.448	0.447	0.372	13.19
88)	I	IS1_Phenanthrene-d10	----------ISTD----------										
89)	T	Phenanthrene	1.371	1.263	1.179	1.178	1.164	1.168	1.218	1.175	1.104	1.202	6.34
90)	T	Anthracene	1.219	1.185	1.107	1.147	1.170	1.177	1.260	1.203	1.132	1.178	3.94
91)	T	Carbazole	1.003	1.023	1.026	1.069	1.101	1.117	1.192	1.136	1.064	1.081	5.65
92)	T	Di-n-butylphth	1.166	1.108	1.070	1.167	1.264	1.333	1.456	1.451	1.377	1.266	11.52
93)	T	Fluoranthene	1.364	1.261	1.208	1.274	1.297	1.306	1.390	1.323	1.242	1.296	4.47
94)	T	Benzidine				0.599	0.757	0.837	0.945	0.946	0.905	0.831	16.22
95)	T	Pyrene	1.449	1.366	1.307	1.384	1.383	1.387	1.466	1.403	1.300	1.383	4.02
96)	S	4-Terphenyl-d14	1.126	0.947	0.937	0.957	0.963	0.957	1.026	0.994	0.935	0.982	6.21
97)	T	Butyl benzyl p	0.449	0.408	0.431	0.458	0.519	0.563	0.643	0.660	0.630	0.529	18.59
98)	I	IS2_Phenanthrene-d10	----------ISTD----------										
99)	T	Diphenamid	0.451	0.409	0.439	0.457	0.505	0.514	0.532	0.532	0.543	0.487	9.95
100)	I	IS3_Phenanthrene-d10	----------ISTD----------										
101)	T	n-Octadecane	0.450	0.480	0.469	0.459	0.462	0.490	0.491	0.524	0.494	0.480	4.72
102)	T	Parathion				0.090	0.094	0.107	0.118	0.149	0.151	*L	0.9938
103)	T	3,3'-Dimethylbenzidine					0.527	0.645	0.750	0.965	0.942	*L	0.9970
104)	I	IS1_Chrysene-d12	----------ISTD----------										
105)	T	Benzo(a)anthra	1.511	1.315	1.289	1.310	1.335	1.318	1.412	1.375	1.277	1.349	5.47
106)	T	3,3'-Dichlorob	0.387	0.381	0.410	0.441	0.484	0.495	0.538	0.538	0.505	0.464	13.26
107)	T	Chrysene	1.506	1.443	1.348	1.330	1.324	1.278	1.335	1.269	1.194	1.336	6.96
108)	T	Bis(2-ethylhex	0.820	0.652	0.685	0.755	0.860	0.905	1.000	1.001	0.940	0.846	15.20

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2575576**
Project Name	**: 1000 TURK HILL RD GWS**	**Project Number**	**: 3113.0001Y000**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL22591**
Calibration dates	**: 08/27/25 20:12 08/28/25 06:19**		

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D

L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
109)	T	Di-n-octylphth			1.035	1.125	1.328	1.447	1.676	1.705	1.617	1.419	18.86
110)	T	Benzo(b)fluora	1.294	1.242	1.272	1.269	1.271	1.242	1.362	1.307	1.239	1.278	3.09
111)	T	Benzo(k)fluora	1.319	1.241	1.207	1.316	1.368	1.336	1.382	1.325	1.231	1.303	4.75
112)	T	Benzo(a)pyrene	1.127	1.076	1.125	1.215	1.230	1.227	1.313	1.264	1.197	1.197	6.26
113)	I	IS1_Perylene-d12	----------ISTD----------										
114)	T	Indeno(1,2,3-c	1.099	0.994	0.991	1.063	1.102	1.150	1.260	1.277	1.329	1.141	10.81
115)	T	Dibenzo(a,h)an	1.138	1.113	1.084	1.145	1.156	1.194	1.272	1.275	1.252	1.181	6.01
116)	T	Benzo(ghi)pery	1.225	1.122	1.082	1.111	1.132	1.151	1.231	1.220	1.197	1.164	4.80

Response Factor Report SV112

Method Path : I:\8270\SV112\250817RVTical\
Method File : FS250817SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Aug 18 06:54:37 2025
Response Via : Initial Calibration

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5a.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	T	N-Nitrosodimethylamine	0.731	0.626	0.651	0.652	0.768	0.882	0.989	0.912	0.916	0.792	17.20
3)	T	Pyridine		1.100	1.121	1.024	1.283	1.391	1.753	1.555	1.568	1.349	19.38
4)	S	2-Fluorophenol	1.059	0.795	0.960	0.883	1.020	1.244	1.390	1.303	1.291	1.105	18.92
5)	T	Aniline	1.360	1.271	1.604	1.714	1.935	2.250	2.526	2.306	2.264	*L	0.9976
6)	T	2-Chlorophenol	1.074	1.088	1.113	1.052	1.225	1.477	1.619	1.472	1.462	1.287	17.06
7)	S	Phenol-d6	1.102	1.198	1.263	1.213	1.301	1.639	1.819	1.669	1.648	1.428	18.40
8)	T	Phenol	1.332	1.371	1.380	1.299	1.527	1.765	1.974	1.809	1.773	1.581	15.90
9)	T	bis(2-Chloroethyl)ether	1.360	1.277	1.114	1.093	1.260	1.433	1.556	1.401	1.379	1.319	11.35
10)	T	1,3-Dichlorobenzene	1.547	1.563	1.467	1.352	1.486	1.686	1.817	1.635	1.608	1.573	8.58
11)	T	1,4-Dichlorobenzene	1.679	1.472	1.473	1.426	1.512	1.740	1.848	1.681	1.666	1.611	9.00
12)	T	1,2-Dichlorobenzene	1.577	1.545	1.301	1.347	1.498	1.688	1.806	1.636	1.614	1.557	10.22
13)	T	Benzyl alcohol		0.892	0.908	0.887	1.005	1.234	1.415	1.313	1.319	1.122	19.68
14)	T	bis(2-chloroisopropyl)ether	1.965	2.006	1.889	1.876	2.095	2.340	2.607	2.325	2.231	2.148	11.44
15)	T	2-Methylphenol	0.895	0.980	0.965	0.942	1.086	1.309	1.464	1.386	1.366	1.155	19.40
16)	T	Hexachloroethane	0.507	0.537	0.561	0.522	0.564	0.644	0.708	0.658	0.665	0.596	12.24
17)	T	n-Nitrosodi-n-propylamine	0.921	0.851	0.831	0.868	0.949	1.150	1.308	1.203	1.209	1.032	17.80
18)	T	3-Methylphenol/4-Methylphenol	1.091	1.066	1.068	1.039	1.201	1.413	1.606	1.473	1.477	1.270	17.38
19)	S	Nitrobenzene-d5	1.183	1.112	1.079	1.094	1.225	1.528	1.726	1.618	1.621	1.354	19.50
20)	T	Nitrobenzene	1.223	1.116	1.254	1.124	1.257	1.569	1.813	1.651	1.639	1.405	18.65
21)	T	Isophorone	2.634	2.400	2.332	2.330	2.657	3.225	3.580	3.263	3.223	2.849	16.68
22)	T	2-Nitrophenol			0.461	0.513	0.531	0.709	0.847	0.812	0.820	*L	0.9974
23)	T	2,4-Dimethylphenol			1.190	1.154	1.373	1.644	1.849	1.680	1.676	1.510	17.88
24)	T	bis(2-Chloroethoxy)methane	1.643	1.659	1.493	1.518	1.709	2.020	2.230	2.005	1.990	1.807	14.35
25)	T	2,4-Dichlorophenol			1.056	0.989	1.135	1.465	1.633	1.532	1.532	1.335	19.84
26)	T	1,2,4-Trichlorobenzene	1.556	1.392	1.355	1.318	1.455	1.654	1.807	1.655	1.656	1.539	10.87
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	0.483	0.631	0.700	0.588	0.584	0.562	0.602	0.587	0.634	0.597	9.83
29)	T	Acetophenone	1.829	2.083	2.233	1.955	1.887	1.884	1.957	1.950	2.043	1.980	6.22
30)	T	m-Toluidine			1.030	1.058	1.104	1.190	1.269	1.288	1.400	1.191	11.37
31)	T	2-Chloroaniline	1.502	1.695	1.954	1.708	1.586	1.638	1.691	1.674	1.744	1.688	7.32
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	T	1,4-Dioxane	0.664	0.639	0.691	0.503	0.465	0.505	0.494	0.474	0.481	0.546	16.63
34)	T	n-Decane	1.791	1.463	1.802	1.534	1.545	1.593	1.580	1.541	1.568	1.602	7.27
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.101	1.122	0.994	0.904	1.051	1.145	1.226	1.049	0.972	1.063	9.22
37)	T	Benzoic Acid					0.138	0.222	0.294	0.303	0.319	*L	0.9995
38)	T	4-Chloroaniline	0.128	0.108	0.121	0.124	0.144	0.159	0.183	0.161	0.167	0.144	17.40
39)	T	Hexachlorobutadiene	0.262	0.259	0.226	0.215	0.226	0.271	0.289	0.263	0.266	0.253	9.70
40)	T	p-Chloro-m-cresol		0.265	0.270	0.247	0.306	0.368	0.421	0.375	0.378	0.329	19.66
41)	T	2-Methylnaphthalene	0.666	0.643	0.616	0.579	0.646	0.735	0.798	0.698	0.679	0.674	9.65
42)	T	1-Methylnaphthalene	0.304	0.259	0.218	0.227	0.262	0.285	0.312	0.275	0.283	0.269	11.78
43)	T	Hexachlorocyclopentadiene				0.224	0.248	0.332	0.383	0.360	0.369	*L	0.9983
44)	T	2,4,6-Trichlorophenol		0.193	0.194	0.203	0.242	0.305	0.346	0.318	0.329	*L	0.9971
45)	T	2,4,5-Trichlorophenol			0.221	0.230	0.274	0.345	0.375	0.341	0.342	*L	0.9978

Response Factor Report SV112

Method Path : I:\8270\SV112\250817RVTical\
Method File : FS250817SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Aug 18 06:54:37 2025
Response Via : Initial Calibration

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5a.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD	
46)	S	2-Fluorobiphenyl	0.911	0.876	0.847	0.831	0.920	1.037	1.086	0.945	0.889	0.927	9.16	
47)	T	2-Chloronaphthalene	0.751	0.743	0.716	0.689	0.775	0.865	0.928	0.818	0.787	0.786	9.54	
48)	T	2-Nitroaniline			0.158	0.165	0.200	0.241	0.291	0.272	0.279		*L	0.9978
49)	T	1,4-Dinitrobenzene					0.099	0.123	0.143	0.134	0.142	0.128	14.10	
50)	T	1,3-Dinitrobenzene					0.107	0.139	0.165	0.153	0.161	0.145	16.05	
51)	T	Dimethyl phthalate	0.893	0.942	0.892	0.844	1.029	1.147	1.215	1.036	0.971	0.996	12.34	
52)	T	Acenaphthylene	1.230	1.173	1.161	1.094	1.338	1.498	1.558	1.306	1.180	1.282	12.38	
53)	T	2,6-Dinitrotoluene			0.144	0.135	0.180	0.222	0.244	0.238	0.245		*L	0.9986
54)	T	1,2-Dinitrobenzene					0.074	0.092	0.105	0.097	0.100	0.094	12.65	
55)	I	IS2_Naphthalene-d8	----------ISTD----------											
56)	T	a-Terpineol	0.252	0.294	0.331	0.297	0.291	0.291	0.301	0.311	0.313	0.298	7.23	
57)	T	3-Chloroaniline		0.128	0.162	0.135	0.131	0.136	0.137	0.138	0.140	0.138	7.35	
58)	T	2,6-Dichlorophenol	0.225	0.269	0.295	0.277	0.278	0.289	0.295	0.304	0.310	0.282	8.94	
59)	T	1-chloro-2-nitrobenzene	0.097	0.156	0.145	0.138	0.133	0.136	0.139	0.145	0.150	0.137	12.23	
60)	T	Caprolactam		0.115	0.183	0.172	0.167	0.174	0.191	0.207	0.210	0.177	16.78	
61)	T	1,2,4,5-Tetrachlorobenzene	0.385	0.485	0.543	0.465	0.433	0.424	0.421	0.419	0.415	0.443	10.65	
62)	T	Biphenyl	0.920	1.102	1.222	1.009	0.941	0.934	0.933	0.902	0.842	0.978	11.90	
63)	I	IS1_Acenaphthene-d10	----------ISTD----------											
64)	T	3-Nitroaniline			0.223	0.231	0.300	0.358	0.419	0.378	0.380		*L	0.9977
65)	T	Acenaphthene	1.109	1.070	1.052	0.938	1.090	1.187	1.292	1.120	1.061	1.102	8.85	
66)	T	2,4-Dinitrophenol				0.070	0.121	0.175	0.218	0.210	0.223		*L	0.9981
67)	T	Dibenzofuran	1.906	1.766	1.695	1.626	1.886	2.021	2.153	1.810	1.637	1.833	9.67	
68)	T	2,4-Dinitrotoluene			0.291	0.287	0.376	0.451	0.531	0.472	0.483		*L	0.9974
69)	T	4-Nitrophenol			0.168	0.188	0.246	0.321	0.371	0.319	0.321		*L	0.9957
70)	T	2,3,5,6-Tetrachlorophenol			0.271	0.299	0.350	0.454	0.512	0.476	0.481		*L	0.9995
71)	T	2,3,4,6-Tetrachlorophenol			0.271	0.285	0.380	0.465	0.504	0.462	0.470		*L	0.9995
72)	T	Diethyl phthalate	1.545	1.453	1.320	1.277	1.616	1.769	1.905	1.652	1.544	1.565	12.86	
73)	T	Fluorene	1.630	1.355	1.366	1.256	1.528	1.650	1.741	1.496	1.383	1.489	10.86	
74)	T	4-Chlorophenyl-phenylether	0.855	0.798	0.698	0.666	0.776	0.830	0.890	0.771	0.764	0.783	9.12	
75)	T	4-Nitroaniline			0.220	0.231	0.321	0.360	0.415	0.368	0.372		*L	0.9976
76)	T	4,6-Dinitro-o-cresol				0.150	0.218	0.260	0.307	0.295	0.306		*L	0.9992
77)	T	NDPA/DPA	1.236	1.104	1.128	1.050	1.297	1.390	1.493	1.284	1.228	1.246	11.30	
78)	T	Azobenzene	1.175	1.212	1.217	1.164	1.498	1.603	1.663	1.448	1.358	1.371	13.92	
79)	S	2,4,6-Tribromophenol		0.210	0.199	0.203	0.236	0.275	0.313	0.294	0.304	0.254	18.72	
80)	T	4-Bromophenyl-phenylether	0.484	0.510	0.457	0.425	0.492	0.562	0.619	0.531	0.530	0.512	11.24	
81)	T	Hexachlorobenzene	0.695	0.584	0.544	0.503	0.577	0.639	0.699	0.610	0.610	0.607	10.64	
82)	T	Pentachlorophenol				0.178	0.271	0.354	0.433	0.410	0.424		*L	0.9985
83)	I	IS2_Acenaphthene-d10	----------ISTD----------											
84)	T	Dichloran	0.117	0.170	0.201	0.171	0.163	0.167	0.191	0.211	0.224	0.179	17.65	
85)	T	Pentachloronitrobenzene	0.164	0.201	0.218	0.194	0.186	0.194	0.221	0.231	0.234	0.205	11.31	
86)	I	IS3_Acenaphthene-d10	----------ISTD----------											
87)	T	Atrazine	0.517	0.437	0.482	0.407	0.410	0.472	0.467	0.473	0.501	0.463	8.17	
88)	I	IS1_Phenanthrene-d10	----------ISTD----------											
89)	T	Phenanthrene	1.142	1.100	1.023	0.990	1.145	1.187	1.282	1.075	0.947	1.099	9.46	
90)	T	Anthracene	1.127	1.032	0.979	0.961	1.140	1.224	1.313	1.088	0.956	1.091	11.30	

Method Path : I:\8270\SV112\250817RVTical\
Method File : FS250817SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Aug 18 06:54:37 2025
Response Via : Initial Calibration

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5a.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
91)	T	Carbazole	0.919	0.917	0.872	0.853	1.069	1.132	1.214	1.032	0.932	0.993	12.56
92)	T	Di-n-butylphthalate	1.066	0.990	0.970	0.971	1.216	1.365	1.529	1.281	1.085	1.164	16.95
93)	T	Fluoranthene	1.376	1.258	1.216	1.156	1.451	1.497	1.599	1.292	1.119	1.329	12.24
94)	T	Benzidine				0.539	0.789	0.901	1.051	0.915	0.842	*L	0.9918
95)	T	Pyrene	1.314	1.314	1.277	1.208	1.565	1.569	1.629	1.314	1.115	1.367	13.05
96)	S	4-Terphenyl-d14	1.124	1.027	0.977	0.927	1.156	1.185	1.248	1.039	0.927	1.068	10.87
97)	T	Butyl benzyl phthalate			0.387	0.390	0.505	0.579	0.689	0.623	0.592	*L	0.9961
98)	I	IS2_Phenanthrene-d10	----------ISTD----------										
99)	T	Diphenamid	0.414	0.482	0.547	0.466	0.486	0.487	0.527	0.524	0.517	0.494	8.12
100)	I	IS3_Phenanthrene-d10	----------ISTD----------										
101)	T	n-Octadecane	0.558	0.479	0.550	0.452	0.454	0.491	0.500	0.499	0.482	0.496	7.46
102)	T	Parathion	0.116	0.094	0.103	0.090	0.088	0.099	0.108	0.123	0.137	0.106	15.40
103)	T	3,3'-Dimethylbenzidine				0.541	0.582	0.768	0.849	0.847	0.835	0.737	18.97
104)	I	IS1_Chrysene-d12	----------ISTD----------										
105)	T	Benzo[a]anthracene	1.440	1.236	1.148	1.119	1.308	1.423	1.569	1.341	1.189	1.308	11.49
106)	T	3,3'-Dichlorobenzidine	0.431	0.374	0.376	0.378	0.454	0.551	0.627	0.547	0.522	0.473	19.48
107)	T	Chrysene	1.298	1.199	1.168	1.097	1.274	1.357	1.430	1.135	0.985	1.216	11.36
108)	T	bis(2-Ethylhexyl)phthalate		0.563	0.533	0.553	0.676	0.835	0.964	0.865	0.802	*L	0.9942
109)	T	Di-n-octylphthalate			0.831	0.875	1.083	1.385	1.633	1.400	1.224	*Q	0.9962
110)	T	Benzo(b)fluoranthene	1.333	1.176	1.089	1.118	1.308	1.380	1.563	1.304	1.282	1.283	11.29
111)	T	Benzo(k)fluoranthene	1.276	1.108	1.140	1.102	1.327	1.469	1.528	1.257	1.054	1.251	13.40
112)	T	Benzo(a)pyrene	1.139	1.055	0.995	1.032	1.228	1.345	1.480	1.258	1.162	1.188	13.28
113)	I	IS1_Perylene-d12	----------ISTD----------										
114)	T	Indeno(1,2,3-cd)pyrene	1.010	1.007	0.898	0.885	1.064	1.242	1.394	1.213	1.228	1.105	15.70
115)	T	Dibenzo[a,h]anthracene	0.980	0.957	0.916	0.913	1.088	1.226	1.321	1.123	1.054	1.064	13.28
116)	T	Benzo(g,h,i)perylene	1.055	1.052	0.949	0.939	1.124	1.239	1.330	1.155	1.102	1.105	11.47

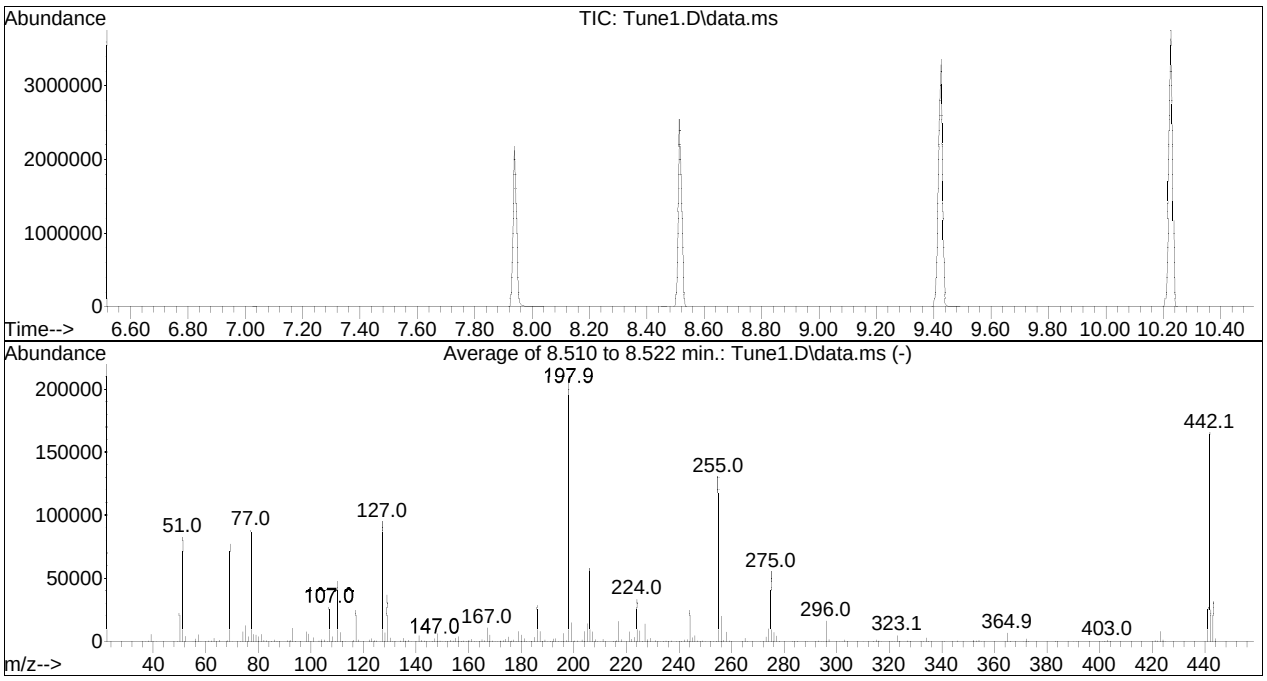
(#) = Out of Range

DFTPP

Data Path : I:\8270\SV112\250817RVTical\
Data File : Tune1.D
Acq On : 17 Aug 2025 06:04 pm
Operator : SV112:slr
Sample : Tune Lot#11857
Misc : WG2104073,,ical
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Aug 18 06:54:37 2025



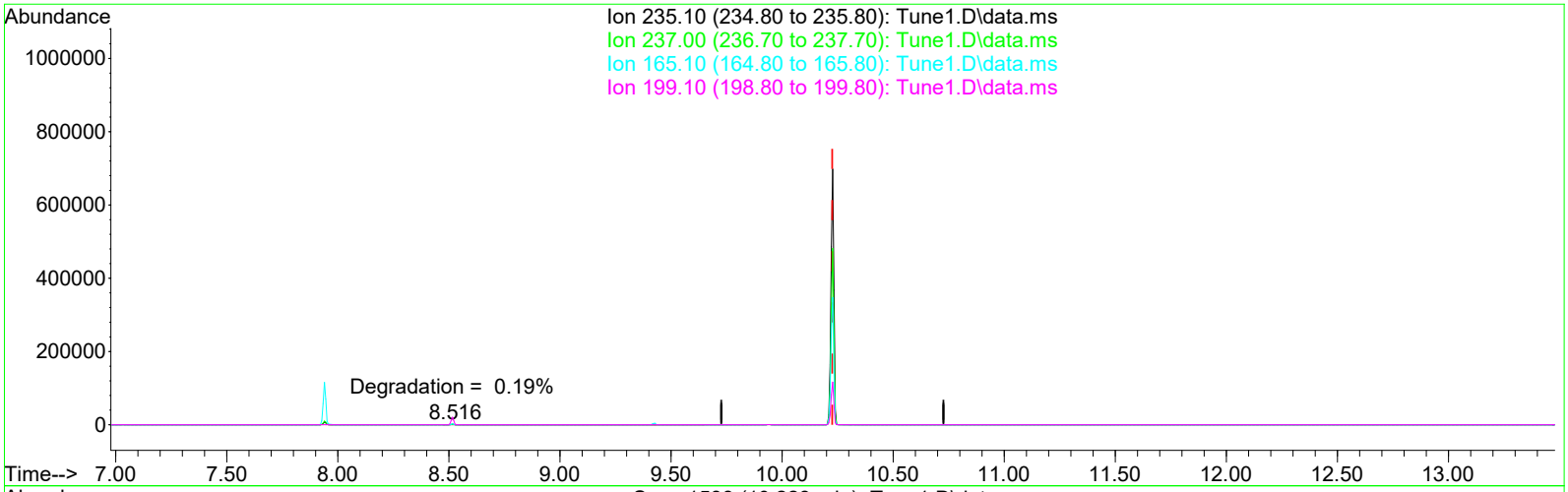
AutoFind: Scans 1296, 1297, 1298; Background Corrected with Scan 1291

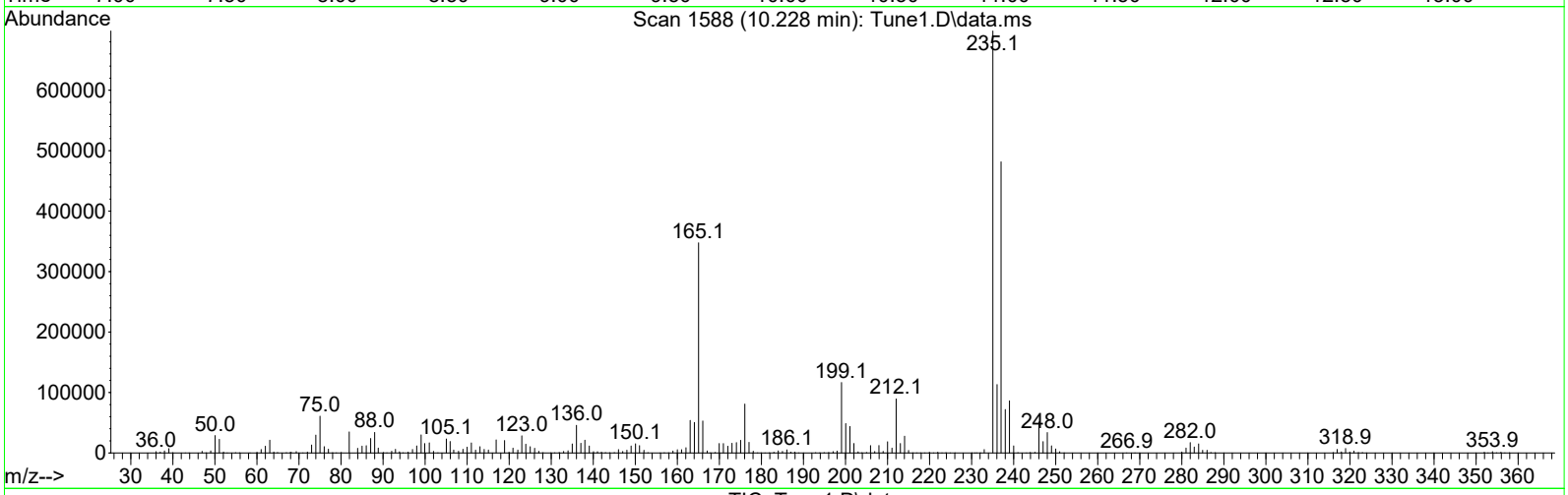
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.5	82579	PASS
68	69	0.00	2	1.6	1258	PASS
69	69	100	100	100.0	77283	PASS
70	69	0.00	2	0.5	366	PASS
127	198	10	80	45.2	94493	PASS
197	198	0.00	2	0.7	1366	PASS
198	198	100	100	100.0	209003	PASS
199	198	5	9	7.0	14627	PASS
275	198	10	60	26.5	55421	PASS
365	198	1	100	3.2	6728	PASS
441	442	0.01	24	16.5	27332	PASS
442	198	50	100	79.1	165328	PASS
443	442	15	24	19.3	31868	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\250817RVTical\
Data File : Tune1.D
Acq On : 17 Aug 2025 06:04 pm
Operator : SV112:slr
Sample : Tune Lot#11857
Misc : WG2104073,,ical
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 18 06:07:37 2025
Quant Method : I:\8270\SV112\250817RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Feb 26 15:45:52 2025
Response via : Initial Calibration





TIC: Tune1.D\data.ms

(6) DDT (T)

10.228min (-0.000) 0.00

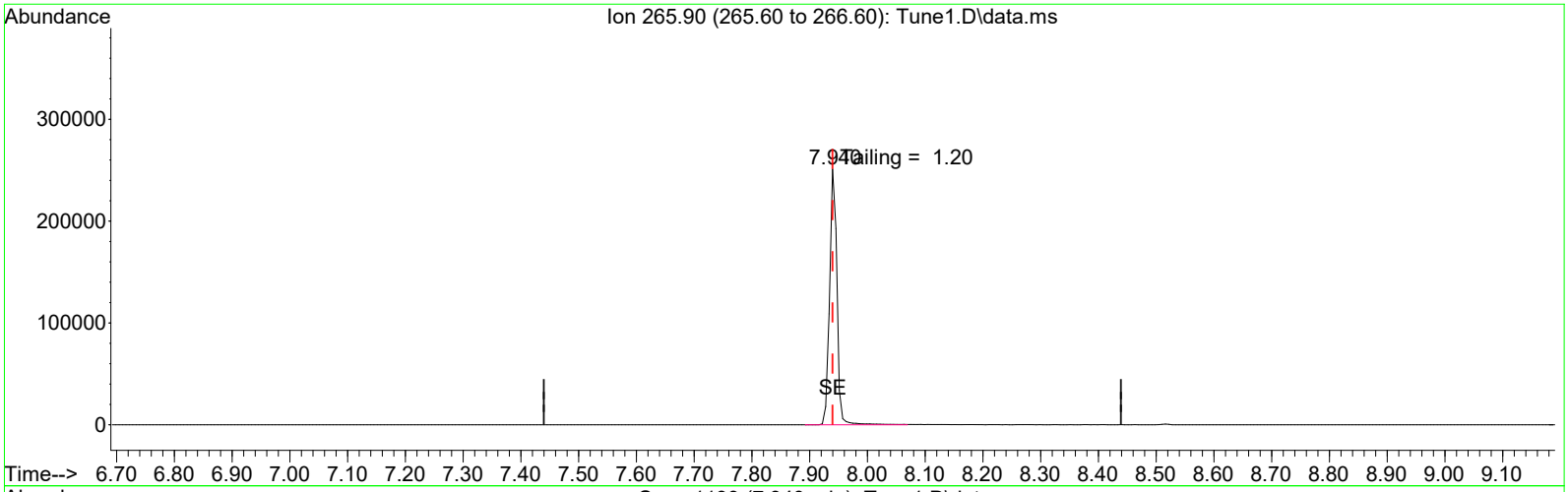
response 630873

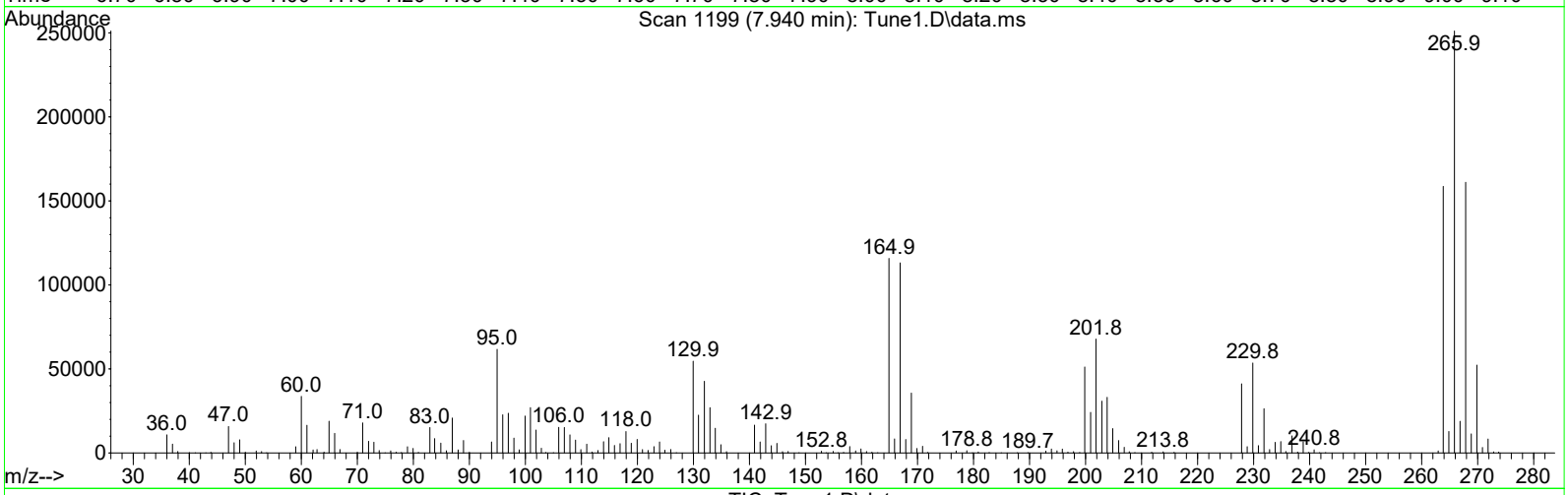
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	71.30	66.95
165.10	47.10	49.07
199.10	16.40	16.17

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\250817RVTical\
Data File : Tune1.D
Acq On : 17 Aug 2025 06:04 pm
Operator : SV112:slr
Sample : Tune Lot#11857
Misc : WG2104073,,ical
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 18 06:07:37 2025
Quant Method : I:\8270\SV112\250817RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Feb 26 15:45:52 2025
Response via : Initial Calibration





TIC: Tune1.D\data.ms

(1) Pentachlorophenol (T)

7.940min (-0.000) 0.00

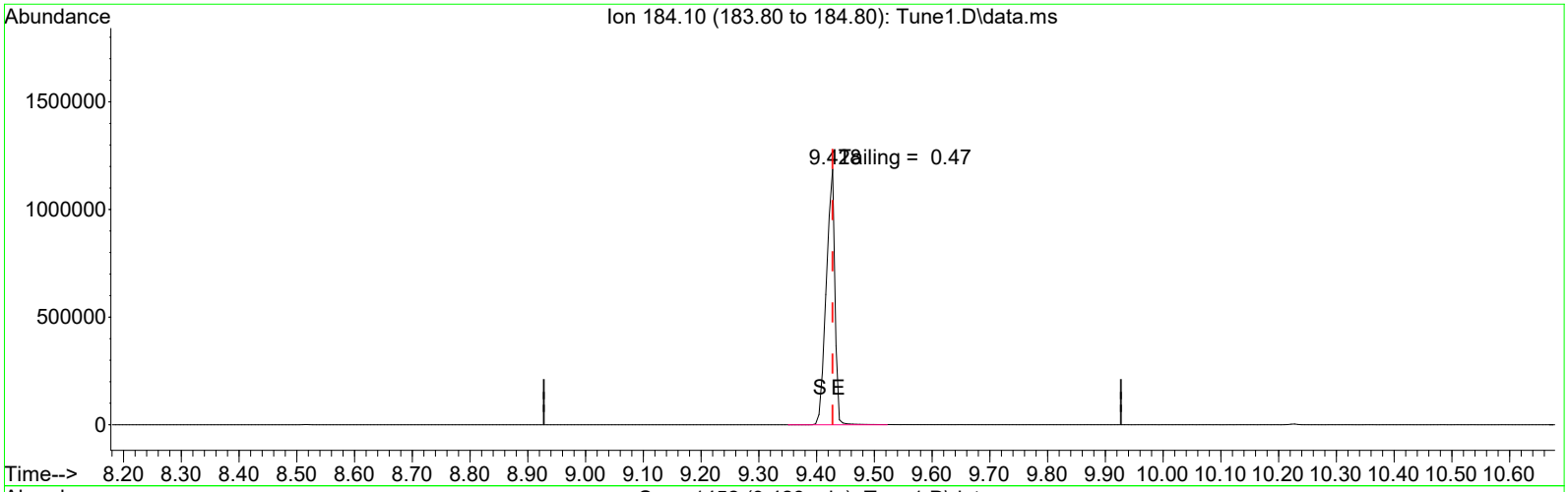
response 221456

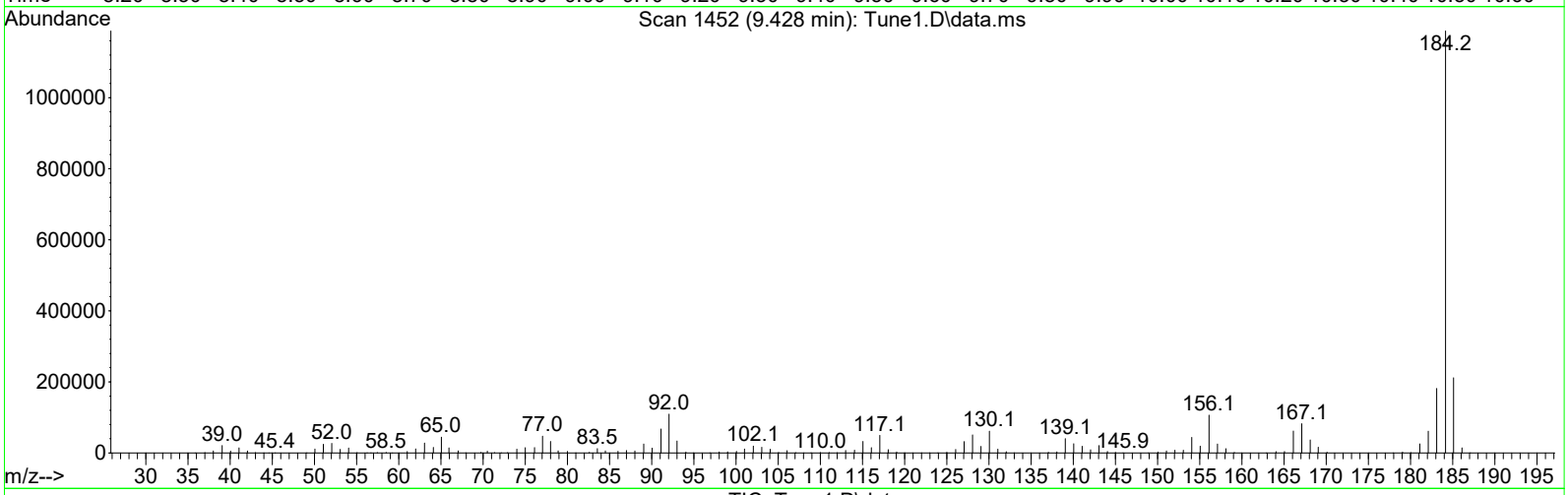
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\250817RVTical\
Data File : Tune1.D
Acq On : 17 Aug 2025 06:04 pm
Operator : SV112:slr
Sample : Tune Lot#11857
Misc : WG2104073,,ical
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 18 06:07:37 2025
Quant Method : I:\8270\SV112\250817RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Feb 26 15:45:52 2025
Response via : Initial Calibration





TIC: Tune1.D\data.ms

(3) Benzidine (T)

9.428min (-0.000) 0.00

response 1231068

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL9.D
Acq On : 17 Aug 2025 06:26 pm
Operator : SV112:slr
Sample : IL2,32,,ABNL50 Lot# 11871
Misc : WG2104073,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 18 05:37:14 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.763	152	20157	4.000	ug/ml	# 0.00
Standard Area 1 = 18713			Recovery = 107.72%			
35) IS1_Naphthalene-d8	5.016	136	84529	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery = 110.77%			
63) IS1_Acenaphthene-d10	6.693	164	57488	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery = 111.54%			
88) IS1_Phenanthrene-d10	8.093	188	121482	4.000	ug/ml	0.01
Standard Area 1 = 112327			Recovery = 108.15%			
104) IS1_Chrysene-d12	10.616	240	128082	4.000	ug/ml	0.02
Standard Area 1 = 124647			Recovery = 102.76%			
113) IS1_Perylene-d12	11.975	264	140169	4.000	ug/ml	0.01
Standard Area 1 = 135022			Recovery = 103.81%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.393	112	325254	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 0.00%#			
7) Phenol-d6	3.499	99	415178	0.000	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 0.00%#			
19) Nitrobenzene-d5	4.334	82	408321	0.000	ug/ml	0.01
Spiked Amount 1.000	Range 30 - 130		Recovery = 0.00%#			
46) 2-Fluorobiphenyl	6.099	172	939770	0.000	ug/ml	0.01
Spiked Amount 1.000	Range 30 - 130		Recovery = 0.00%#			
79) 2,4,6-Tribromophenol	7.451	330	218604	0.000	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 0.00%#			
96) 4-Terphenyl-d14	9.663	244	1407226	0.000	ug/ml	0.01
Spiked Amount 1.000	Range 30 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.105	74	230710	No Calib		
3) Pyridine	1.122	79	395083	No Calib		
5) Aniline	3.440	93	570469	No Calib		
6) 2-Chlorophenol	3.557	128	368394	No Calib		
8) Phenol	3.510	94	446623	No Calib		
9) Bis(2-chloroethyl)ether	3.552	93	347441	No Calib		#
10) 1,3-Dichlorobenzene	3.699	146	405192	No Calib		
11) 1,4-Dichlorobenzene	3.781	146	419862	No Calib		
12) 1,2-Dichlorobenzene	3.922	146	406628	No Calib		

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL9.D
Acq On : 17 Aug 2025 06:26 pm
Operator : SV112:slr
Sample : IL2,32,,ABNL50 Lot# 11871
Misc : WG2104073,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 18 05:37:14 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	3.957	79	332367	No	Calib	
14) Bis(2-chloroisopropyl)...	4.110	45	562044	No	Calib	#
15) 2-Methylphenol	4.110	108	344154	No	Calib	
16) Hexachloroethane	4.257	117	167441	No	Calib	#
17) n-Nitrosodi-n-propylamine	4.240	70	304734	No	Calib	
18) 3-Methylphenol/4-Methy...	4.281	108	372046	No	Calib	
20) Nitrobenzene	4.352	77	413000	No	Calib	
21) Isophorone	4.610	82	812051	No	Calib	
22) 2-Nitrophenol	4.663	139	206693	No	Calib	
23) 2,4-Dimethylphenol	4.787	107	422277	No	Calib	
24) Bis(2-chloroethoxy)met...	4.869	93	501437	No	Calib	#
25) 2,4-Dichlorophenol	4.922	162	385960	No	Calib	
26) 1,2,4-Trichlorobenzene	4.981	180	417348	No	Calib	
36) Naphthalene	5.034	128	1027359	No	Calib	#
37) Benzoic Acid	5.016	105	337541	No	Calib	
38) 4-Chloroaniline	5.128	65	176848	No	Calib	
39) Hexachlorobutadiene	5.199	225	281371	No	Calib	
40) p-Chloro-m-cresol	5.651	107	399753	No	Calib	
41) 2-Methylnaphthalene	5.710	142	717689	No	Calib	
42) 1-Methylnaphthalene	5.804	115	299326	No	Calib	
43) Hexachlorocyclopentadiene	5.887	237	389955	No	Calib	
44) 2,4,6-Trichlorophenol	6.010	196	347573	No	Calib	
45) 2,4,5-Trichlorophenol	6.040	196	361325	No	Calib	
47) 2-Chloronaphthalene	6.169	162	831044	No	Calib	
48) 2-Nitroaniline	6.304	138	294928	No	Calib	
49) 1,4-Dinitrobenzene	6.446	168	149707	No	Calib	
50) 1,3-Dinitrobenzene	6.516	168	169821	No	Calib	
51) Dimethyl phthalate	6.534	163	1025924	No	Calib	
52) Acenaphthylene	6.557	152	1246665	No	Calib	#
53) 2,6-Dinitrotoluene	6.557	165	259104	No	Calib	#
54) 1,2-Dinitrobenzene	6.598	168	105699	No	Calib	
64) 3-Nitroaniline	6.710	138	273288	No	Calib	
65) Acenaphthene	6.728	154	762558	No	Calib	
66) 2,4-Dinitrophenol	6.804	184	160231	No	Calib	
67) Dibenzofuran	6.898	168	1176284	No	Calib	
68) 2,4-Dinitrotoluene	6.940	165	347108	No	Calib	#
69) 4-Nitrophenol	6.934	65	230476	No	Calib	#
70) 2,3,5,6-Tetrachlorophenol	6.998	232	345787	No	Calib	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL9.D
Acq On : 17 Aug 2025 06:26 pm
Operator : SV112:slr
Sample : IL2,32,,ABNL50 Lot# 11871
Misc : WG2104073,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 18 05:37:14 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2,3,4,6-Tetrachlorophenol	7.040	232	337921	No	Calib	
72) Diethyl phthalate	7.210	149	1109587	No	Calib	#
73) Fluorene	7.222	166	993839	No	Calib	
74) 4-Chlorophenyl phenyl ...	7.257	204	548677	No	Calib	#
75) 4-Nitroaniline	7.298	138	267020	No	Calib	#
76) 4,6-Dinitro-o-cresol	7.328	198	219817	No	Calib	#
77) NDPA/DPA	7.387	169	882185	No	Calib	
78) Azobenzene	7.404	77	975959	No	Calib	
80) 4-Bromophenyl phenyl e...	7.716	248	380568	No	Calib	#
81) Hexachlorobenzene	7.745	284	438665	No	Calib	#
82) Pentachlorophenol	7.945	266	304904	No	Calib	
89) Phenanthrene	8.116	178	1438186	No	Calib	#
90) Anthracene	8.163	178	1451658	No	Calib	#
91) Carbazole	8.351	167	1414595	No	Calib	#
92) Di-n-butylphthalate	8.775	149	1647576	No	Calib	#
93) Fluoranthene	9.240	202	1699387	No	Calib	#
94) Benzidine	9.428	184	1278579	No	Calib	
95) Pyrene	9.445	202	1692419	No	Calib	#
97) Butyl benzyl phthalate	10.187	149	898754	No	Calib	#
105) Benzo(a)anthracene	10.604	228	1903995	No	Calib	#
106) 3,3'-Dichlorobenzidine	10.639	252	835279	No	Calib	
107) Chrysene	10.645	228	1577231	No	Calib	
108) Bis(2-ethylhexyl)phtha...	10.798	149	1284159	No	Calib	#
109) Di-n-octylphthalate	11.439	149	1959946	No	Calib	#
110) Benzo(b)fluoranthene	11.639	252	2051959	No	Calib	
111) Benzo(k)fluoranthene	11.669	252	1687823	No	Calib	
112) Benzo(a)pyrene	11.934	252	1859745	No	Calib	
114) Indeno(1,2,3-cd)pyrene	12.910	276	2151431	No	Calib	
115) Dibenzo(a,h)anthracene	12.939	278	1846579	No	Calib	
116) Benzo(ghi)perylene	13.116	276	1931458	No	Calib	#

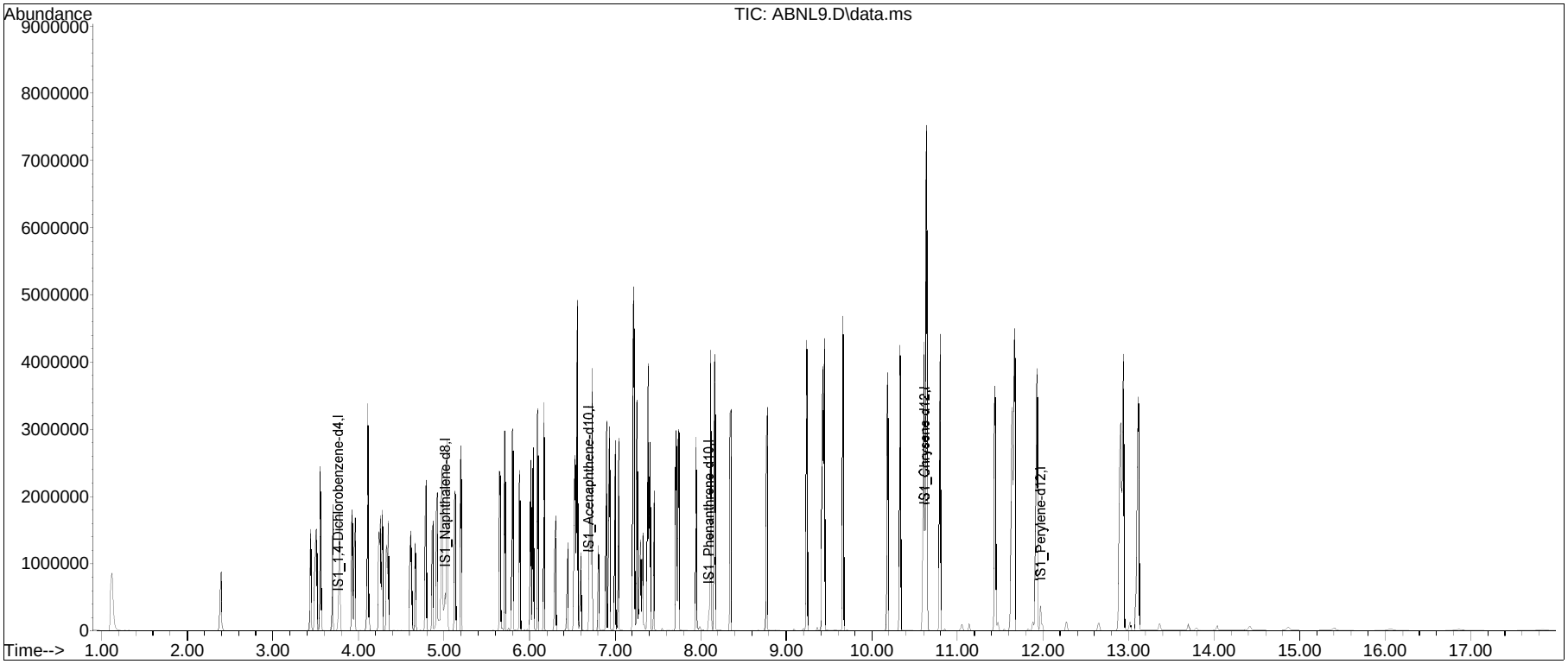
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL9.D
Acq On : 17 Aug 2025 06:26 pm
Operator : SV112:slr
Sample : IL2,32,,ABNL50 Lot# 11871
Misc : WG2104073,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 18 05:37:14 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

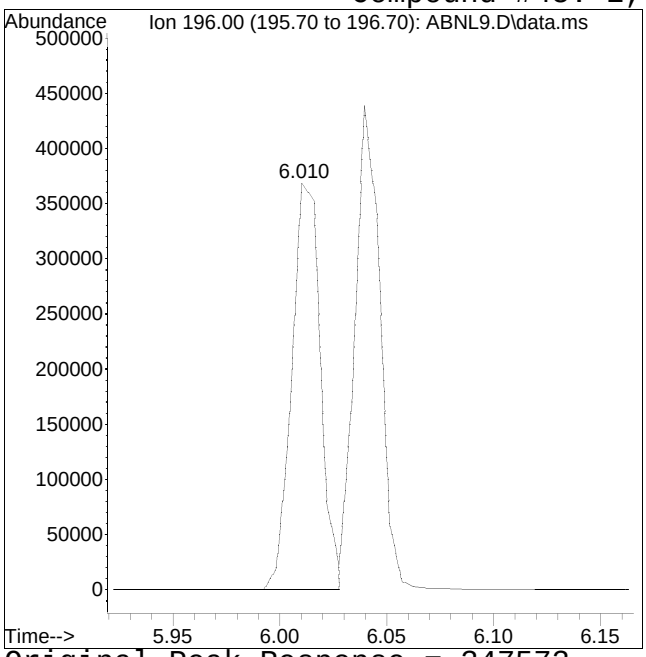
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

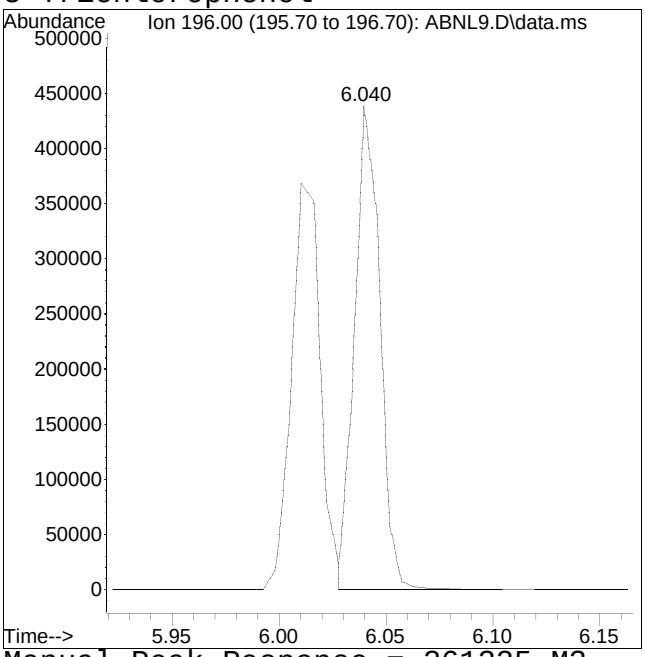


Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL9.D Operator : SV112:slr
Date Inj'd : 8/17/2025 6:26 pm Instrument : SV112
Sample : IL2,32,,ABNL50 Lot# 11871 Quant Date : 8/18/2025 5:14 am

Compound #45: 2,4,5-Trichlorophenol



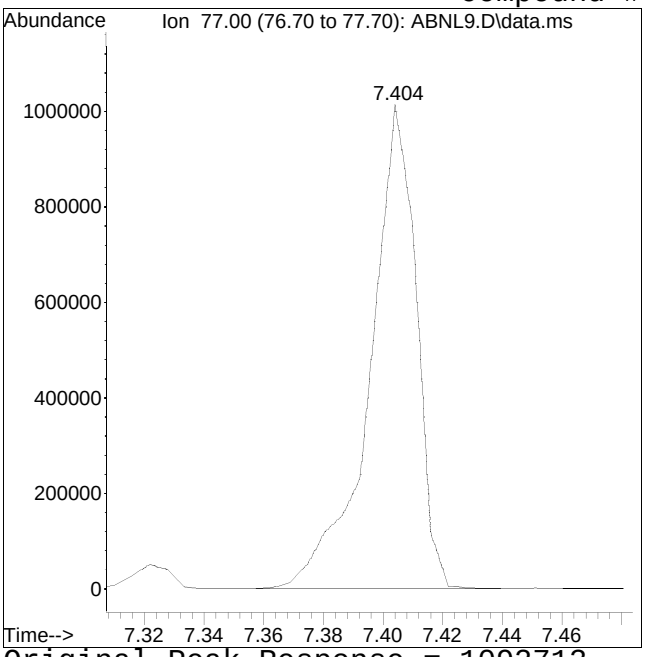


Original Peak Response = 347573 Manual Peak Response = 361325 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

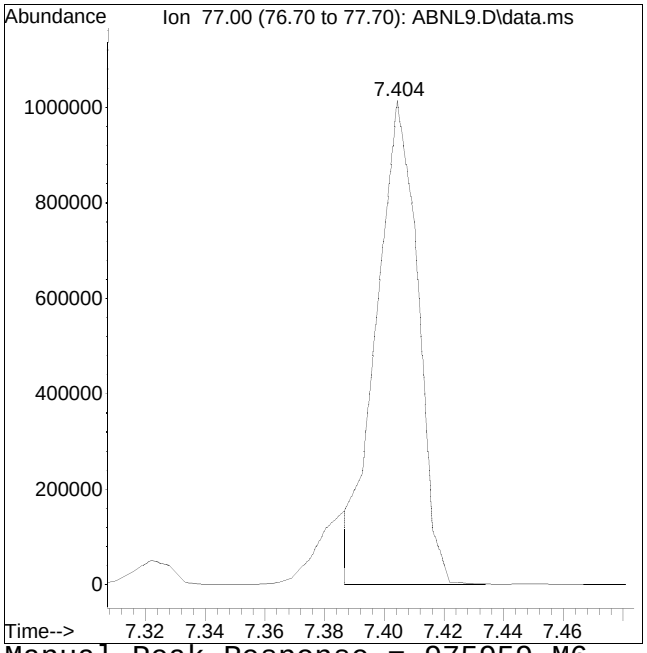
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL9.D Operator : SV112:slr
Date Inj'd : 8/17/2025 6:26 pm Instrument : SV112
Sample : IL2,32,,ABNL50 Lot# 11871 Quant Date : 8/18/2025 5:14 am

Compound #78: Azobenzene



Original Peak Response = 1092713



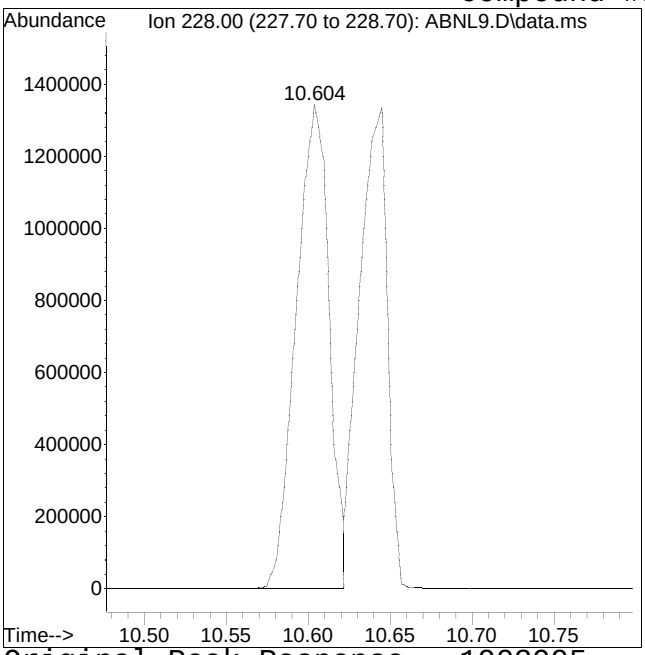
Manual Peak Response = 975959 M6

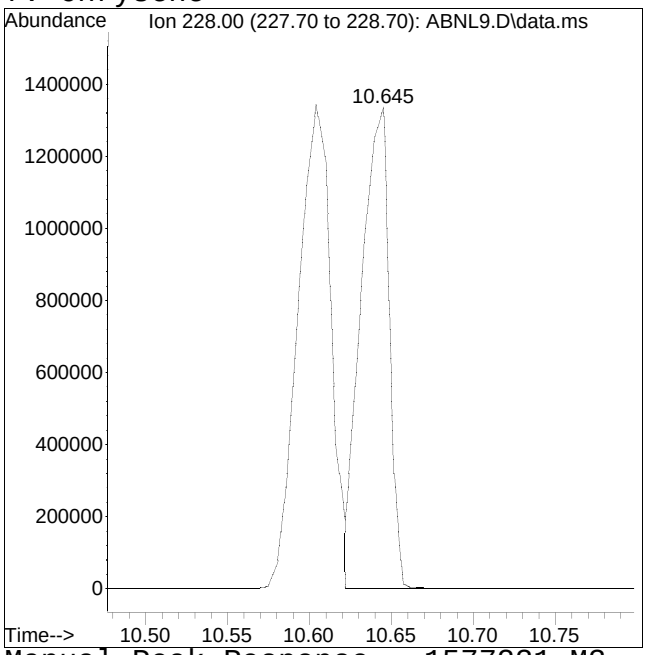
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL9.D Operator : SV112:slr
Date Inj'd : 8/17/2025 6:26 pm Instrument : SV112
Sample : IL2,32,,ABNL50 Lot# 11871 Quant Date : 8/18/2025 5:14 am

Compound #107: Chrysene





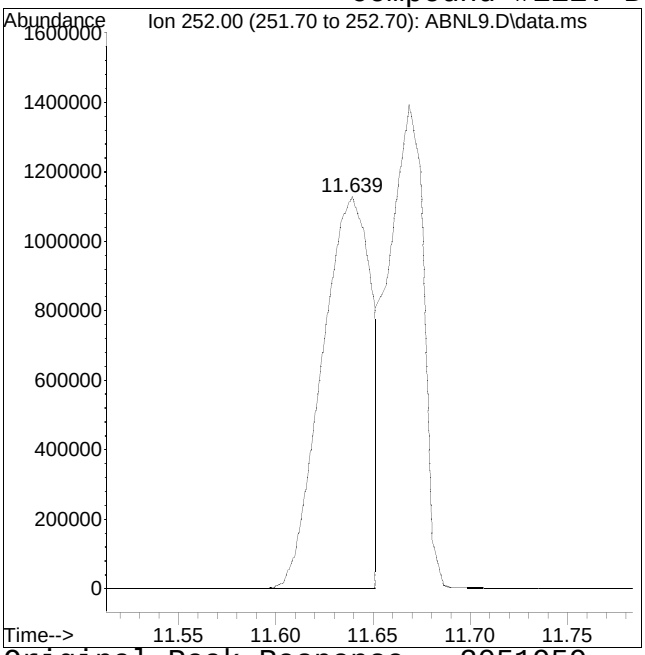
Original Peak Response = 1903995 Manual Peak Response = 1577231 M3

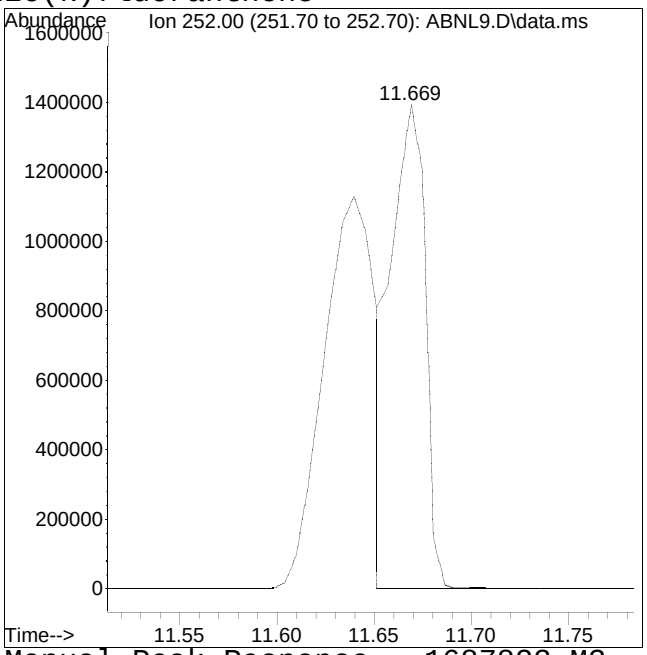
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL9.D Operator : SV112:slr
Date Inj'd : 8/17/2025 6:26 pm Instrument : SV112
Sample : IL2,32,,ABNL50 Lot# 11871 Quant Date : 8/18/2025 5:14 am

Compound #111: Benzo(k)fluoranthene





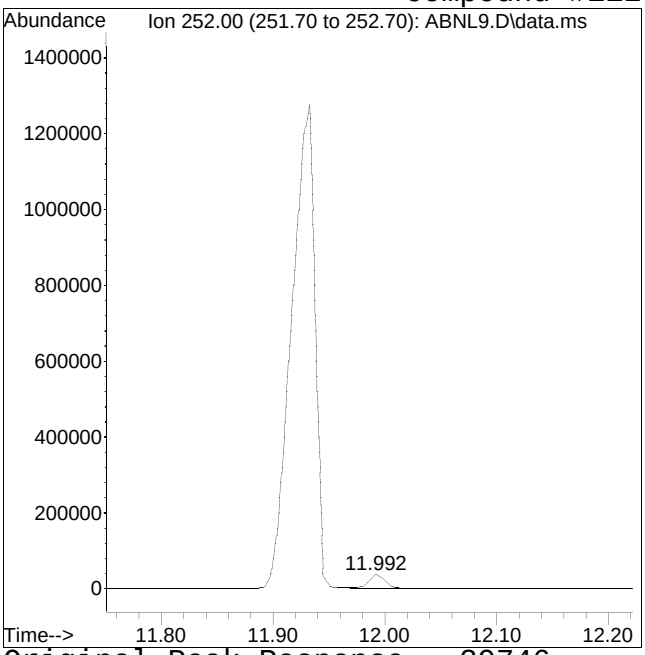
Original Peak Response = 2051959 Manual Peak Response = 1687823 M3

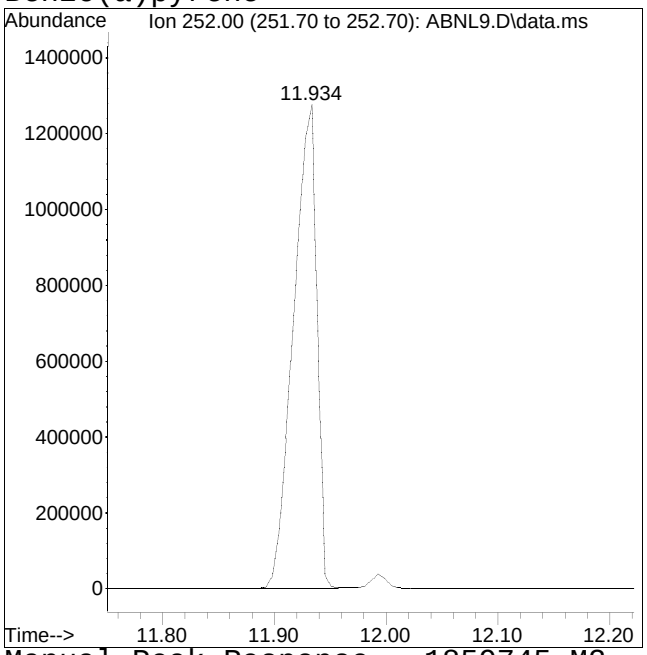
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL9.D Operator : SV112:slr
Date Inj'd : 8/17/2025 6:26 pm Instrument : SV112
Sample : IL2,32,,ABNL50 Lot# 11871 Quant Date : 8/18/2025 5:14 am

Compound #112: Benzo(a)pyrene



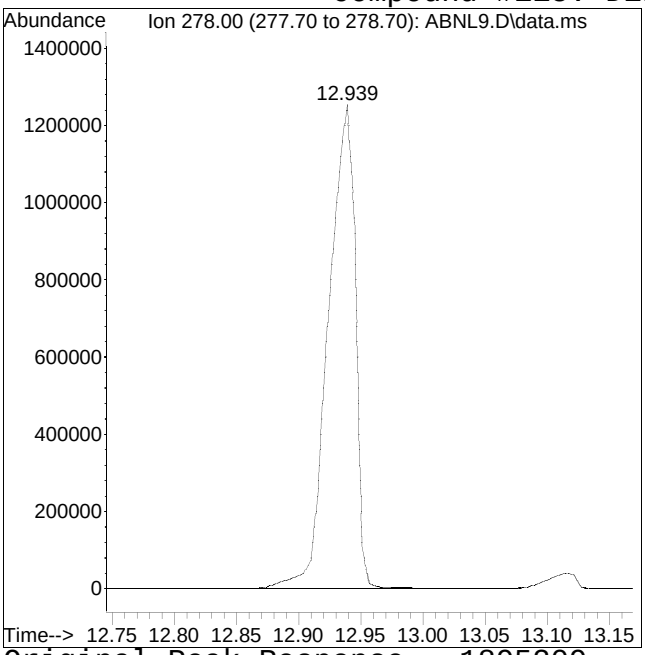


Original Peak Response = 39746 Manual Peak Response = 1859745 M2
M2 = Peak not found by automatic integration algorithm.

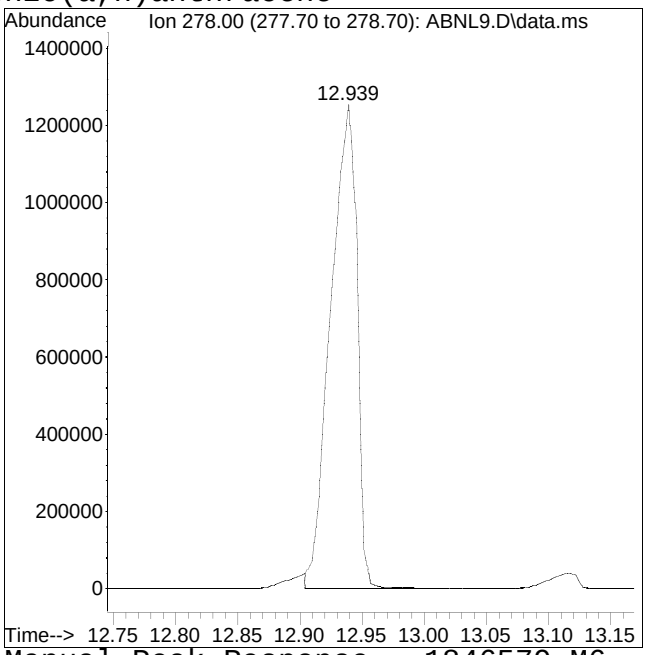
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL9.D Operator : SV112:slr
Date Inj'd : 8/17/2025 6:26 pm Instrument : SV112
Sample : IL2,32,,ABNL50 Lot# 11871 Quant Date : 8/18/2025 5:14 am

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 1895209



Manual Peak Response = 1846579 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL8.D
Acq On : 17 Aug 2025 06:49 pm
Operator : SV112:slr
Sample : IL3,32,,ABNL25 Lot# 11872
Misc : WG2104073,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 05:36:07 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	3.763	152	20397	4.000 ug/ml	# 0.00
Standard Area 1 = 18713			Recovery = 109.00%		
35) IS1_Naphthalene-d8	5.010	136	86095	4.000 ug/ml	0.00
Standard Area 1 = 76311			Recovery = 112.82%		
63) IS1_Acenaphthene-d10	6.693	164	57497	4.000 ug/ml	0.00
Standard Area 1 = 51538			Recovery = 111.56%		
88) IS1_Phenanthrene-d10	8.087	188	121467	4.000 ug/ml	0.00
Standard Area 1 = 112327			Recovery = 108.14%		
104) IS1_Chrysene-d12	10.604	240	130117	4.000 ug/ml	# 0.00
Standard Area 1 = 124647			Recovery = 104.39%		
113) IS1_Perylene-d12	11.969	264	141180	4.000 ug/ml	0.00
Standard Area 1 = 135022			Recovery = 104.56%		
System Monitoring Compounds					
4) 2-Fluorophenol	2.387	112	166098	0.000 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 0.00%#		
7) Phenol-d6	3.493	99	212754	0.000 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 0.00%#		
19) Nitrobenzene-d5	4.328	82	206226	0.000 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 0.00%#		
46) 2-Fluorobiphenyl	6.093	172	508716	0.000 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 0.00%#		
79) 2,4,6-Tribromophenol	7.445	330	105802	0.000 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 0.00%#		
96) 4-Terphenyl-d14	9.657	244	788533	0.000 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 0.00%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.105	74	116318	No Calib	
3) Pyridine	1.122	79	198198	No Calib	
5) Aniline	3.440	93	293969	No Calib	
6) 2-Chlorophenol	3.552	128	187710	No Calib	
8) Phenol	3.505	94	230598	No Calib	
9) Bis(2-chloroethyl)ether	3.546	93	178652	No Calib #	
10) 1,3-Dichlorobenzene	3.699	146	208421	No Calib	
11) 1,4-Dichlorobenzene	3.775	146	214316	No Calib	
12) 1,2-Dichlorobenzene	3.922	146	208556	No Calib	

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL8.D
Acq On : 17 Aug 2025 06:49 pm
Operator : SV112:slr
Sample : IL3,32,,ABNL25 Lot# 11872
Misc : WG2104073,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 05:36:07 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
13) Benzyl alcohol	3.952	79	167338	No Calib	
14) Bis(2-chloroisopropyl)...	4.104	45	296334	No Calib	#
15) 2-Methylphenol	4.104	108	176739	No Calib	
16) Hexachloroethane	4.252	117	83857	No Calib	#
17) n-Nitrosodi-n-propylamine	4.228	70	153311	No Calib	
18) 3-Methylphenol/4-Methy...	4.275	108	187758	No Calib	
20) Nitrobenzene	4.346	77	210512	No Calib	
21) Isophorone	4.599	82	416006	No Calib	
22) 2-Nitrophenol	4.663	139	103505	No Calib	
23) 2,4-Dimethylphenol	4.781	107	214180	No Calib	
24) Bis(2-chloroethoxy)met...	4.863	93	255651	No Calib	#
25) 2,4-Dichlorophenol	4.916	162	195292	No Calib	
26) 1,2,4-Trichlorobenzene	4.975	180	210950	No Calib	
36) Naphthalene	5.034	128	564327	No Calib	
37) Benzoic Acid	4.969	105	163167	No Calib	
38) 4-Chloroaniline	5.128	65	86642	No Calib	
39) Hexachlorobutadiene	5.199	225	141396	No Calib	
40) p-Chloro-m-cresol	5.651	107	201611	No Calib	
41) 2-Methylnaphthalene	5.710	142	375500	No Calib	
42) 1-Methylnaphthalene	5.798	115	148064	No Calib	
43) Hexachlorocyclopentadiene	5.881	237	193631	No Calib	
44) 2,4,6-Trichlorophenol	6.010	196	171028	No Calib	
45) 2,4,5-Trichlorophenol	6.040	196	183355	No Calib	
47) 2-Chloronaphthalene	6.163	162	440139	No Calib	
48) 2-Nitroaniline	6.298	138	146112	No Calib	
49) 1,4-Dinitrobenzene	6.440	168	72187	No Calib	
50) 1,3-Dinitrobenzene	6.510	168	82349	No Calib	
51) Dimethyl phthalate	6.522	163	557296	No Calib	
52) Acenaphthylene	6.551	152	702628	No Calib	
53) 2,6-Dinitrotoluene	6.551	165	127954	No Calib	#
54) 1,2-Dinitrobenzene	6.587	168	51978	No Calib	
64) 3-Nitroaniline	6.693	138	135964	No Calib	
65) Acenaphthene	6.722	154	402422	No Calib	
66) 2,4-Dinitrophenol	6.798	184	75329	No Calib	
67) Dibenzofuran	6.893	168	650457	No Calib	
68) 2,4-Dinitrotoluene	6.928	165	169712	No Calib	#
69) 4-Nitrophenol	6.922	65	114461	No Calib	
70) 2,3,5,6-Tetrachlorophenol	6.993	232	170974	No Calib	

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL8.D
Acq On : 17 Aug 2025 06:49 pm
Operator : SV112:slr
Sample : IL3,32,,ABNL25 Lot# 11872
Misc : WG2104073,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 05:36:07 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2,3,4,6-Tetrachlorophenol	7.034	232	165864	No Calib		
72) Diethyl phthalate	7.204	149	593583	No Calib		
73) Fluorene	7.216	166	537741	No Calib		
74) 4-Chlorophenyl phenyl ...	7.251	204	277056	No Calib		#
75) 4-Nitroaniline	7.281	138	132249	No Calib		
76) 4,6-Dinitro-o-cresol	7.310	198	106188	No Calib		#
77) NDPA/DPA	7.375	169	461570	No Calib		
78) Azobenzene	7.398	77	520256	No Calib		
80) 4-Bromophenyl phenyl e...	7.710	248	190663	No Calib		
81) Hexachlorobenzene	7.740	284	219261	No Calib		#
82) Pentachlorophenol	7.940	266	147263	No Calib		
89) Phenanthrene	8.110	178	816324	No Calib		
90) Anthracene	8.157	178	825788	No Calib		
91) Carbazole	8.340	167	783509	No Calib		
92) Di-n-butylphthalate	8.769	149	972531	No Calib		
93) Fluoranthene	9.234	202	981094	No Calib		
94) Benzidine	9.416	184	694998	No Calib		
95) Pyrene	9.439	202	997772	No Calib		
97) Butyl benzyl phthalate	10.181	149	473012	No Calib		
105) Benzo(a)anthracene	10.598	228	1090479	No Calib		
106) 3,3'-Dichlorobenzidine	10.628	252	444553	No Calib		
107) Chrysene	10.634	228	923284	No Calib		
108) Bis(2-ethylhexyl)phtha...	10.792	149	703302	No Calib		#
109) Di-n-octylphthalate	11.434	149	1138502	No Calib		
110) Benzo(b)fluoranthene	11.628	252	1060154	No Calib		
111) Benzo(k)fluoranthene	11.657	252	1022449	No Calib		
112) Benzo(a)pyrene	11.922	252	1023108	No Calib		
114) Indeno(1,2,3-cd)pyrene	12.892	276	1070131	No Calib		
115) Dibenzo(a,h)anthracene	12.928	278	990695	No Calib		
116) Benzo(ghi)perylene	13.104	276	1018947	No Calib		

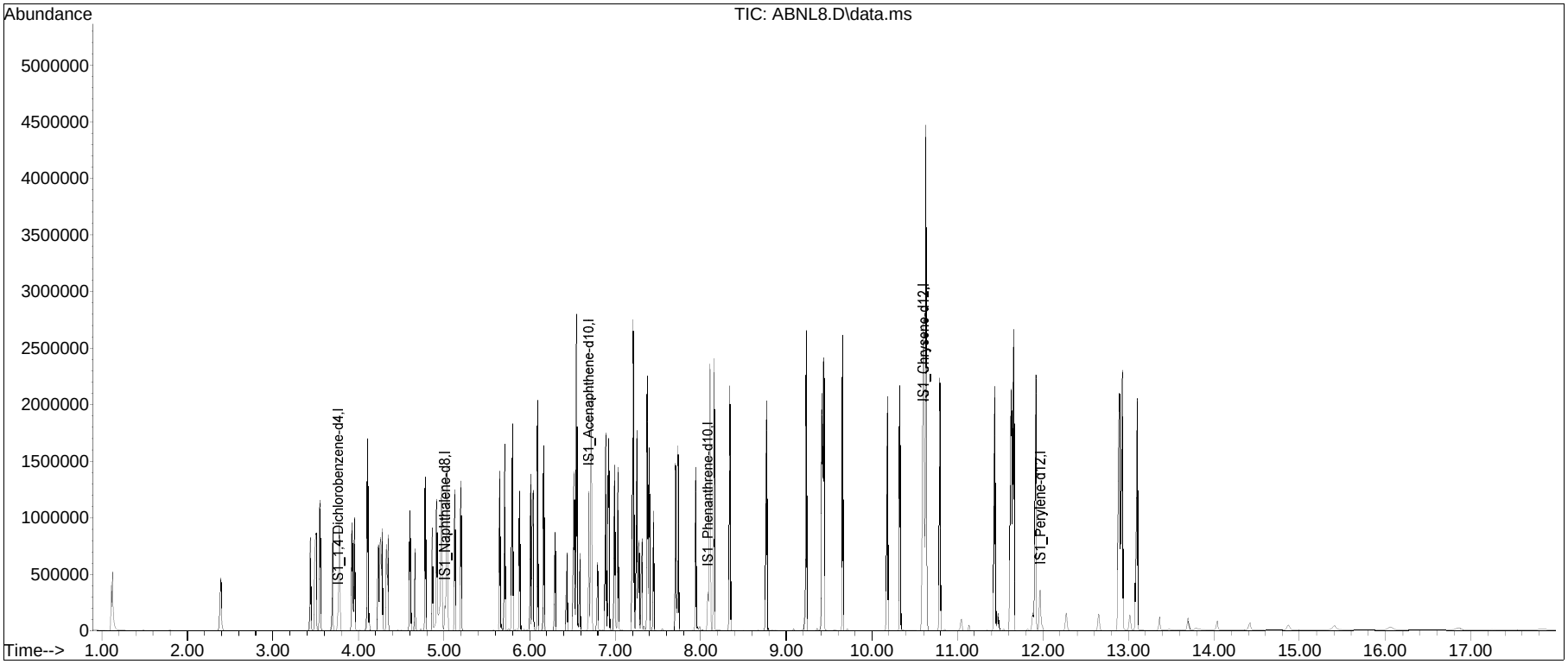
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL8.D
Acq On : 17 Aug 2025 06:49 pm
Operator : SV112:slr
Sample : IL3,32,,ABNL25 Lot# 11872
Misc : WG2104073,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 05:36:07 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

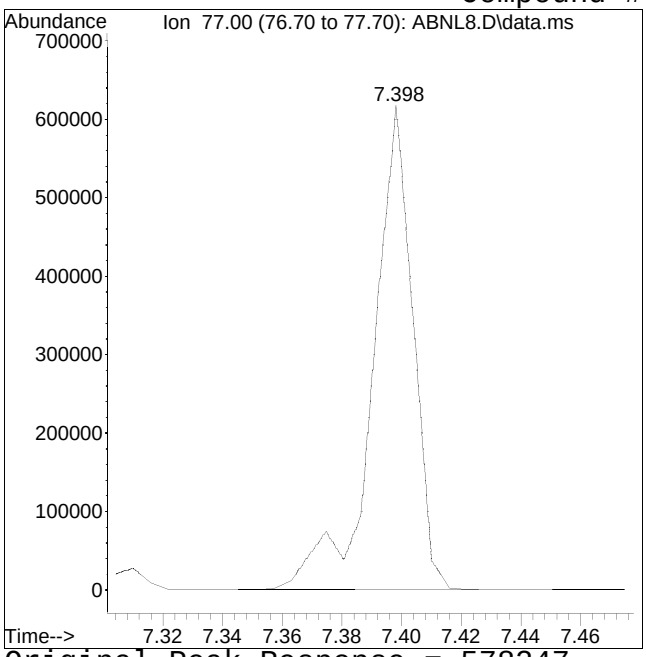
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•



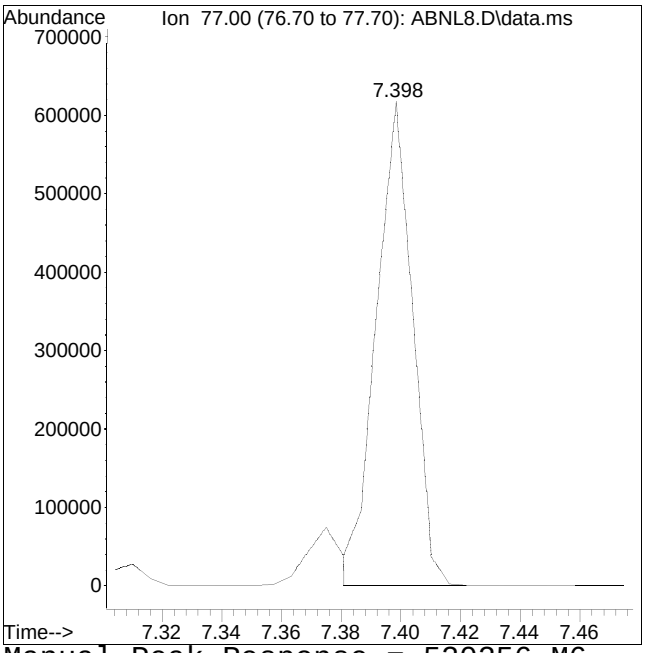
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL8.D Operator : SV112:slr
Date Inj'd : 8/17/2025 6:49 pm Instrument : SV112
Sample : IL3,32,,ABNL25 Lot# 11872 Quant Date : 8/18/2025 5:14 am

Compound #78: Azobenzene



Original Peak Response = 578247



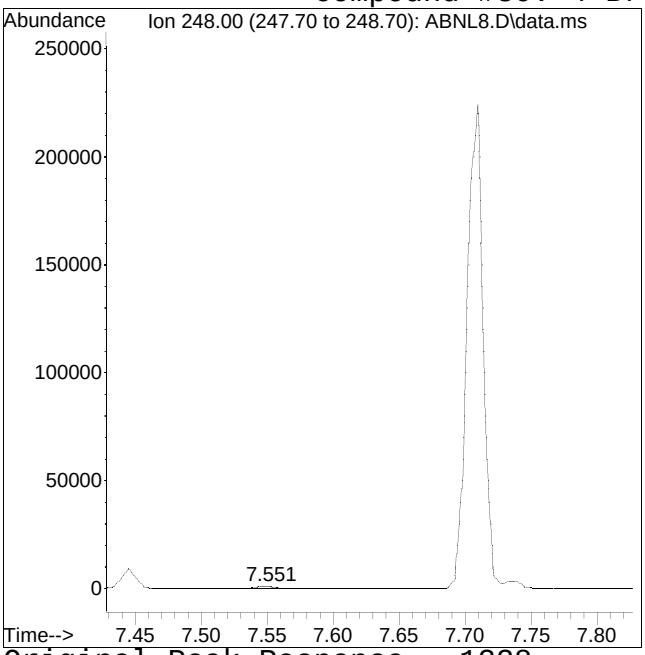
Manual Peak Response = 520256 M6

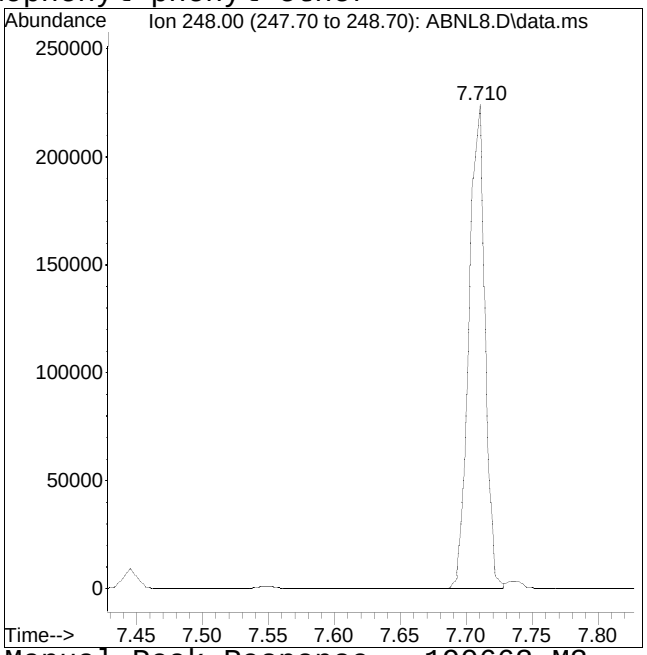
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL8.D Operator : SV112:slr
Date Inj'd : 8/17/2025 6:49 pm Instrument : SV112
Sample : IL3,32,,ABNL25 Lot# 11872 Quant Date : 8/18/2025 5:14 am

Compound #80: 4-Bromophenyl phenyl ether





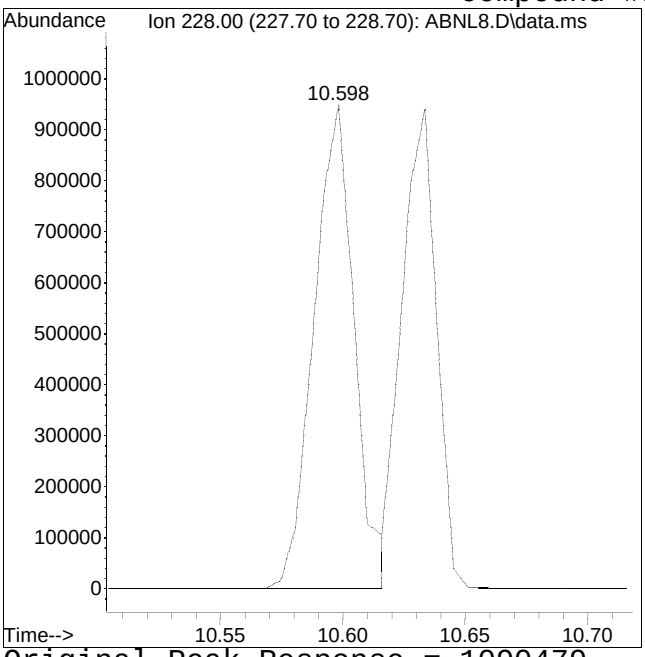
Original Peak Response = 1228 Manual Peak Response = 190663 M3

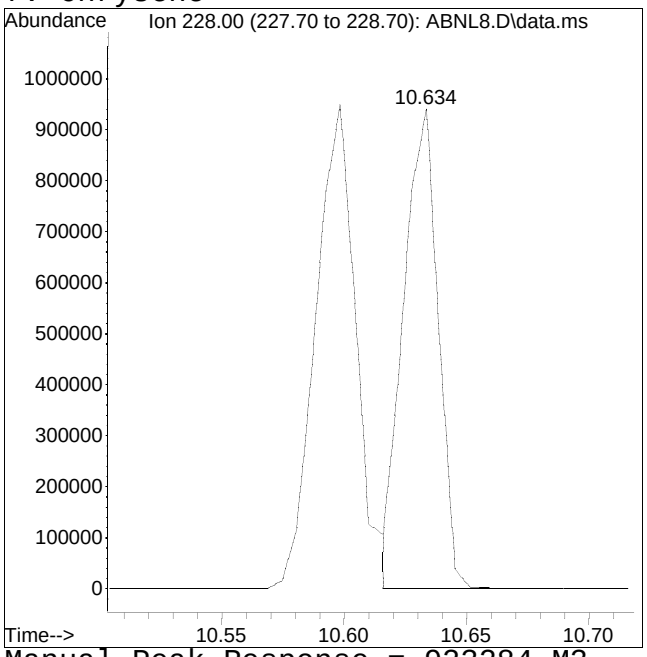
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL8.D Operator : SV112:slr
Date Inj'd : 8/17/2025 6:49 pm Instrument : SV112
Sample : IL3,32,,ABNL25 Lot# 11872 Quant Date : 8/18/2025 5:14 am

Compound #107: Chrysene



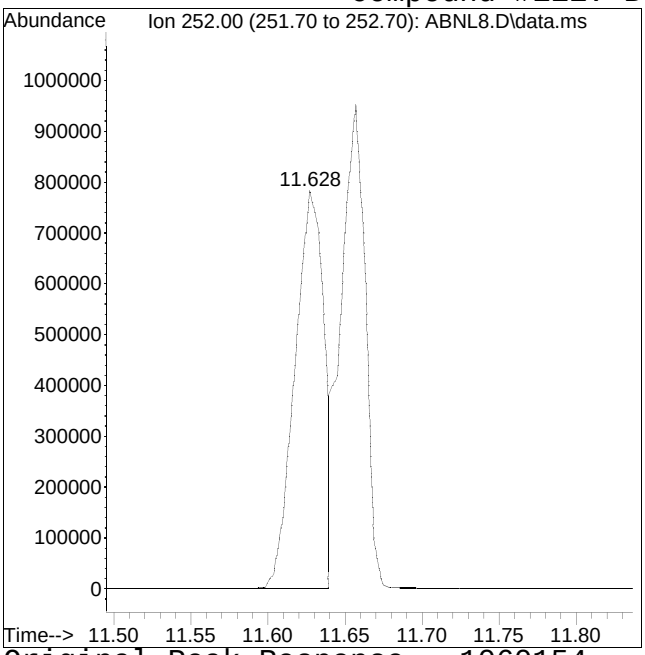


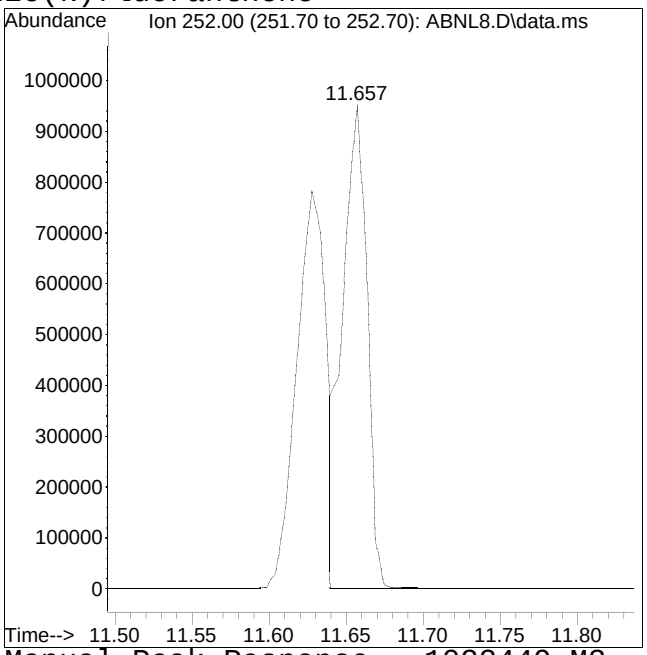
Original Peak Response = 1090479 Manual Peak Response = 923284 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL8.D Operator : SV112:slr
Date Inj'd : 8/17/2025 6:49 pm Instrument : SV112
Sample : IL3,32,,ABNL25 Lot# 11872 Quant Date : 8/18/2025 5:14 am

Compound #111: Benzo(k)fluoranthene



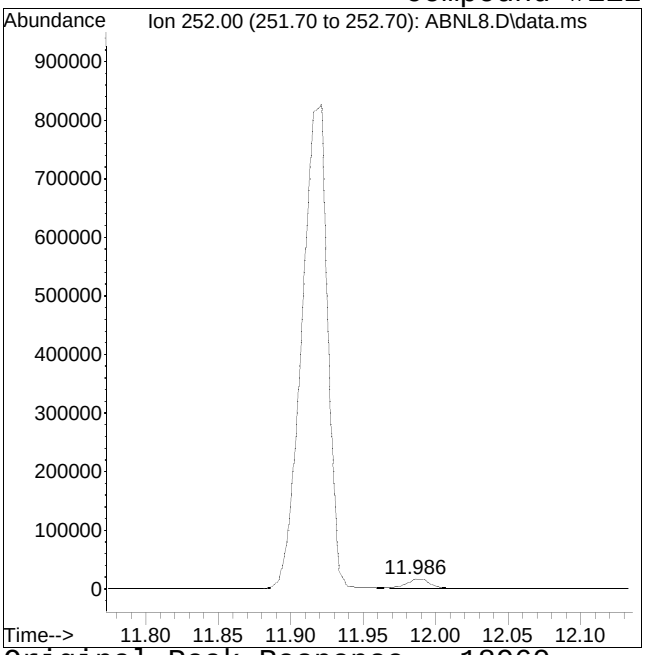


Original Peak Response = 1060154 Manual Peak Response = 1022449 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

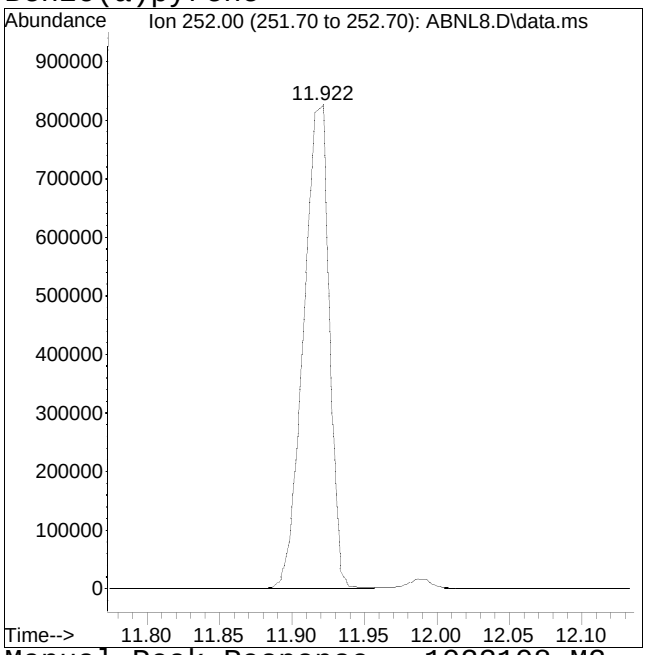
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL8.D Operator : SV112:slr
Date Inj'd : 8/17/2025 6:49 pm Instrument : SV112
Sample : IL3,32,,ABNL25 Lot# 11872 Quant Date : 8/18/2025 5:14 am

Compound #112: Benzo(a)pyrene



Original Peak Response = 18960



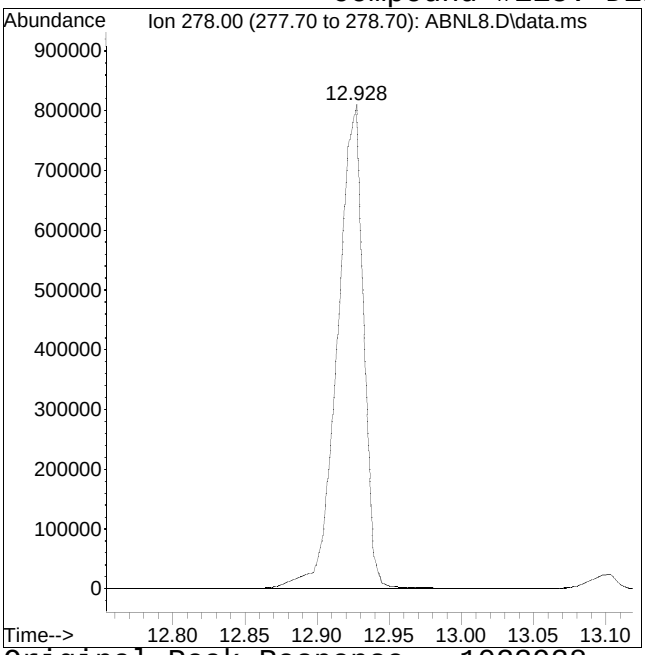
Manual Peak Response = 1023108 M2

M2 = Peak not found by automatic integration algorithm.

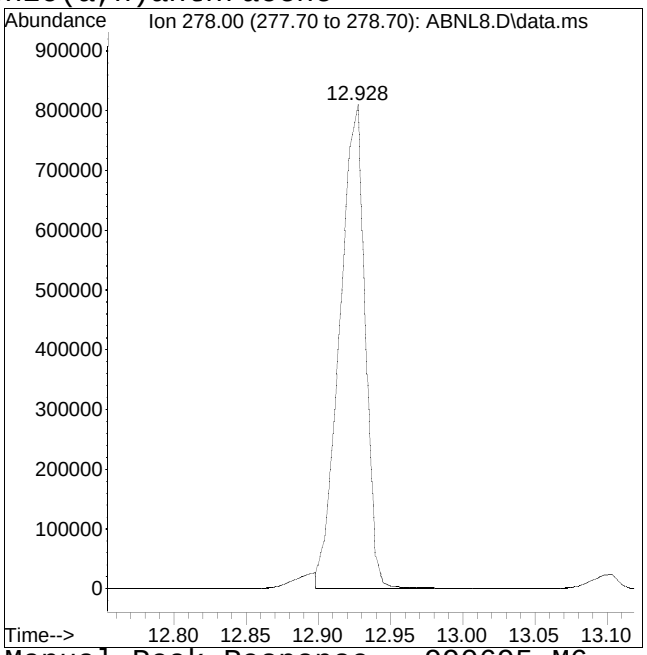
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL8.D Operator : SV112:slr
Date Inj'd : 8/17/2025 6:49 pm Instrument : SV112
Sample : IL3,32,,ABNL25 Lot# 11872 Quant Date : 8/18/2025 5:14 am

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 1023938



Manual Peak Response = 990695 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL7.D
Acq On : 17 Aug 2025 07:12 pm
Operator : SV112:slr
Sample : IL4,32,,ABNL10 Lot# 11873
Misc : WG2104073,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 18 05:35:00 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	3.758	152	20125	4.000 ug/ml	# 0.00
Standard Area 1 = 18713			Recovery = 107.55%		
35) IS1_Naphthalene-d8	5.011	136	83244	4.000 ug/ml	0.00
Standard Area 1 = 76311			Recovery = 109.09%		
63) IS1_Acenaphthene-d10	6.687	164	55486	4.000 ug/ml	0.00
Standard Area 1 = 51538			Recovery = 107.66%		
88) IS1_Phenanthrene-d10	8.087	188	119386	4.000 ug/ml	0.00
Standard Area 1 = 112327			Recovery = 106.28%		
104) IS1_Chrysene-d12	10.604	240	129022	4.000 ug/ml	# 0.00
Standard Area 1 = 124647			Recovery = 103.51%		
113) IS1_Perylene-d12	11.963	264	142170	4.000 ug/ml	0.00
Standard Area 1 = 135022			Recovery = 105.29%		
System Monitoring Compounds					
4) 2-Fluorophenol	2.387	112	69910	0.000 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 0.00%#		
7) Phenol-d6	3.487	99	91502	0.000 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 0.00%#		
19) Nitrobenzene-d5	4.322	82	86853	0.000 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 0.00%#		
46) 2-Fluorobiphenyl	6.087	172	226034	0.000 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 0.00%#		
79) 2,4,6-Tribromophenol	7.446	330	43358	0.000 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 0.00%#		
96) 4-Terphenyl-d14	9.657	244	372483	0.000 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 0.00%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.105	74	49778	No Calib	
3) Pyridine	1.122	79	88188	No Calib	
5) Aniline	3.434	93	127103	No Calib	
6) 2-Chlorophenol	3.552	128	81472	No Calib	
8) Phenol	3.499	94	99314	No Calib	
9) Bis(2-chloroethyl)ether	3.546	93	78272	No Calib	#
10) 1,3-Dichlorobenzene	3.699	146	91421	No Calib	
11) 1,4-Dichlorobenzene	3.775	146	92983	No Calib	
12) 1,2-Dichlorobenzene	3.922	146	90874	No Calib	

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL7.D
Acq On : 17 Aug 2025 07:12 pm
Operator : SV112:slr
Sample : IL4,32,,ABNL10 Lot# 11873
Misc : WG2104073,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 18 05:35:00 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	3.946	79	71171	No	Calib	
14) Bis(2-chloroisopropyl)...	4.105	45	131180	No	Calib	#
15) 2-Methylphenol	4.105	108	73655	No	Calib	
16) Hexachloroethane	4.252	117	35633	No	Calib	#
17) n-Nitrosodi-n-propylamine	4.228	70	65813	No	Calib	
18) 3-Methylphenol/4-Methy...	4.269	108	80810	No	Calib	
20) Nitrobenzene	4.340	77	91205	No	Calib	
21) Isophorone	4.599	82	180096	No	Calib	
22) 2-Nitrophenol	4.663	139	42624	No	Calib	
23) 2,4-Dimethylphenol	4.781	107	93046	No	Calib	
24) Bis(2-chloroethoxy)met...	4.858	93	112209	No	Calib	#
25) 2,4-Dichlorophenol	4.911	162	82176	No	Calib	
26) 1,2,4-Trichlorobenzene	4.975	180	90920	No	Calib	
36) Naphthalene	5.028	128	255240	No	Calib	
37) Benzoic Acid	4.922	105	61247	No	Calib	
38) 4-Chloroaniline	5.122	65	38051	No	Calib	
39) Hexachlorobutadiene	5.199	225	60056	No	Calib	
40) p-Chloro-m-cresol	5.646	107	87652	No	Calib	
41) 2-Methylnaphthalene	5.710	142	166029	No	Calib	
42) 1-Methylnaphthalene	5.799	115	64844	No	Calib	
43) Hexachlorocyclopentadiene	5.881	237	79780	No	Calib	
44) 2,4,6-Trichlorophenol	6.010	196	71967	No	Calib	
45) 2,4,5-Trichlorophenol	6.034	196	78126	No	Calib	
47) 2-Chloronaphthalene	6.163	162	193127	No	Calib	
48) 2-Nitroaniline	6.293	138	60512	No	Calib	
49) 1,4-Dinitrobenzene	6.434	168	29673	No	Calib	
50) 1,3-Dinitrobenzene	6.505	168	34378	No	Calib	
51) Dimethyl phthalate	6.516	163	252759	No	Calib	
52) Acenaphthylene	6.546	152	324266	No	Calib	
53) 2,6-Dinitrotoluene	6.546	165	50865	No	Calib	#
54) 1,2-Dinitrobenzene	6.581	168	21932	No	Calib	
64) 3-Nitroaniline	6.687	138	58065	No	Calib	#
65) Acenaphthene	6.716	154	179281	No	Calib	
66) 2,4-Dinitrophenol	6.793	184	30265	No	Calib	
67) Dibenzofuran	6.887	168	298714	No	Calib	
68) 2,4-Dinitrotoluene	6.922	165	73714	No	Calib	#
69) 4-Nitrophenol	6.916	65	51398	No	Calib	#
70) 2,3,5,6-Tetrachlorophenol	6.993	232	71041	No	Calib	

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL7.D
Acq On : 17 Aug 2025 07:12 pm
Operator : SV112:slr
Sample : IL4,32,,ABNL10 Lot# 11873
Misc : WG2104073,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 18 05:35:00 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2,3,4,6-Tetrachlorophenol	7.028	232	69864	No	Calib	
72) Diethyl phthalate	7.199	149	264215	No	Calib	
73) Fluorene	7.210	166	241463	No	Calib	
74) 4-Chlorophenyl phenyl ...	7.252	204	123496	No	Calib	#
75) 4-Nitroaniline	7.269	138	57626	No	Calib	
76) 4,6-Dinitro-o-cresol	7.305	198	42596	No	Calib	#
77) NDPA/DPA	7.369	169	207083	No	Calib	
78) Azobenzene	7.393	77	230691	No	Calib	
80) 4-Bromophenyl phenyl e...	7.704	248	85914	No	Calib	#
81) Hexachlorobenzene	7.734	284	96911	No	Calib	#
82) Pentachlorophenol	7.940	266	60064	No	Calib	
89) Phenanthrene	8.104	178	382697	No	Calib	
90) Anthracene	8.152	178	391763	No	Calib	
91) Carbazole	8.340	167	362206	No	Calib	
92) Di-n-butylphthalate	8.769	149	456235	No	Calib	
93) Fluoranthene	9.228	202	477312	No	Calib	
94) Benzidine	9.416	184	313579	No	Calib	#
95) Pyrene	9.434	202	486317	No	Calib	
97) Butyl benzyl phthalate	10.181	149	205779	No	Calib	
105) Benzo(a)anthracene	10.593	228	506022	No	Calib	
106) 3,3'-Dichlorobenzidine	10.622	252	202300	No	Calib	#
107) Chrysene	10.628	228	461368	No	Calib	
108) Bis(2-ethylhexyl)phtha...	10.793	149	310847	No	Calib	
109) Di-n-octylphthalate	11.428	149	526661	No	Calib	
110) Benzo(b)fluoranthene	11.622	252	504148	No	Calib	#
111) Benzo(k)fluoranthene	11.651	252	492970	No	Calib	
112) Benzo(a)pyrene	11.910	252	477527	No	Calib	#
114) Indeno(1,2,3-cd)pyrene	12.887	276	495626	No	Calib	
115) Dibenzo(a,h)anthracene	12.916	278	469544	No	Calib	
116) Benzo(ghi)perylene	13.087	276	472779	No	Calib	

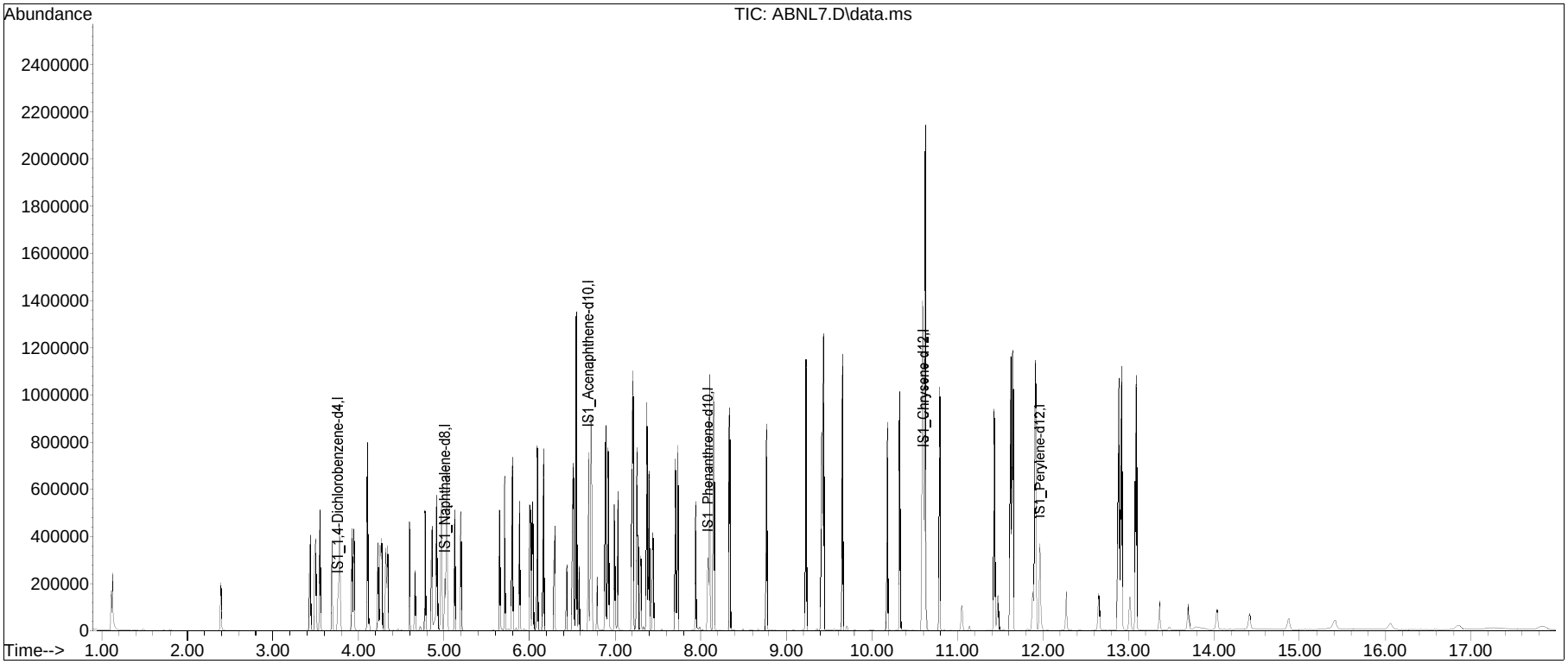
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL7.D
Acq On : 17 Aug 2025 07:12 pm
Operator : SV112:slr
Sample : IL4,32,,ABNL10 Lot# 11873
Misc : WG2104073,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 18 05:35:00 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

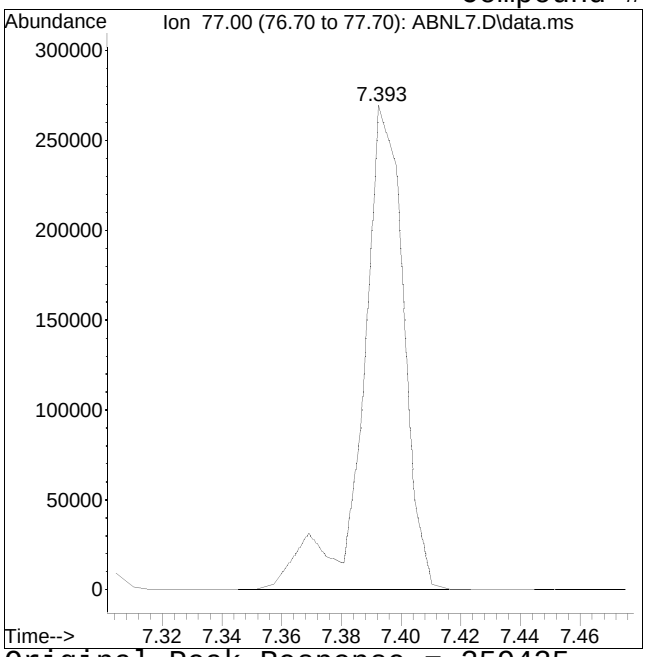
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•



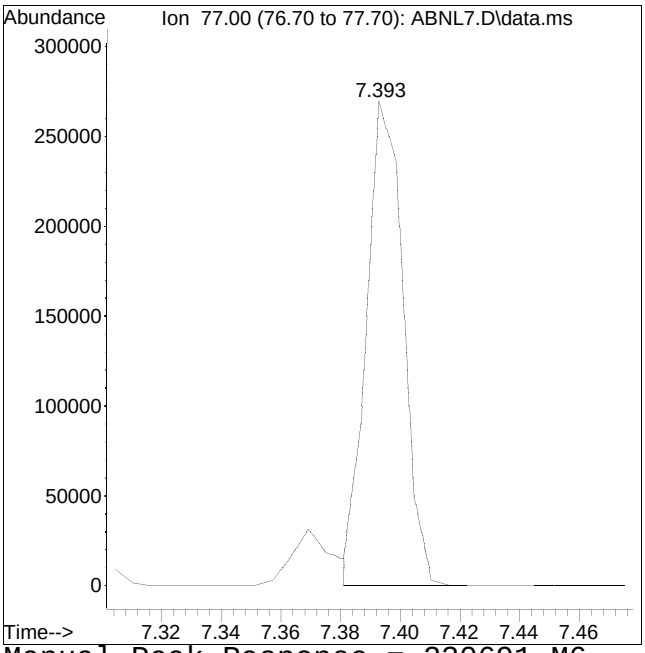
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL7.D Operator : SV112:slr
Date Inj'd : 8/17/2025 7:12 pm Instrument : SV112
Sample : IL4,32,,ABNL10 Lot# 11873 Quant Date : 8/18/2025 5:14 am

Compound #78: Azobenzene



Original Peak Response = 259425



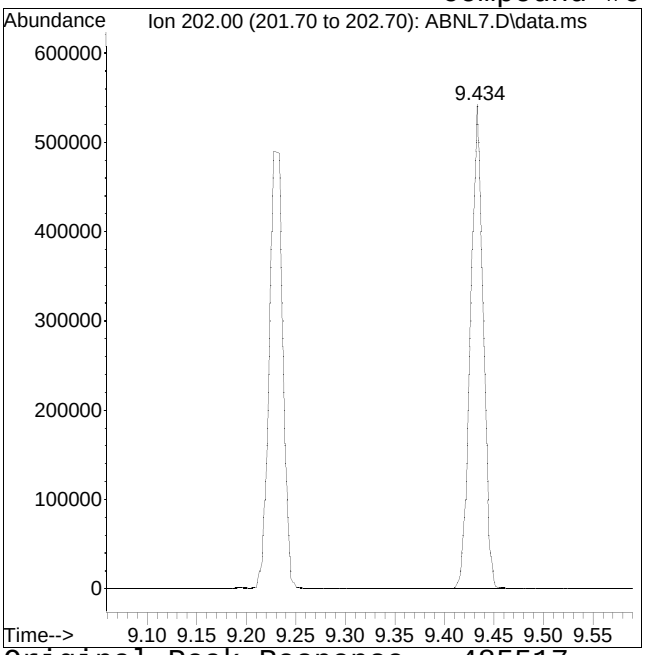
Manual Peak Response = 230691 M6

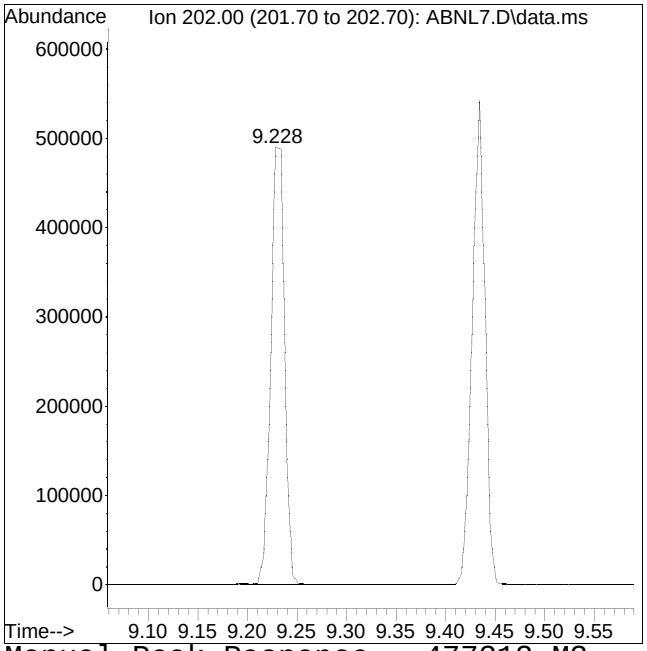
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL7.D Operator : SV112:slr
Date Inj'd : 8/17/2025 7:12 pm Instrument : SV112
Sample : IL4,32,,ABNL10 Lot# 11873 Quant Date : 8/18/2025 5:14 am

Compound #93: Fluoranthene





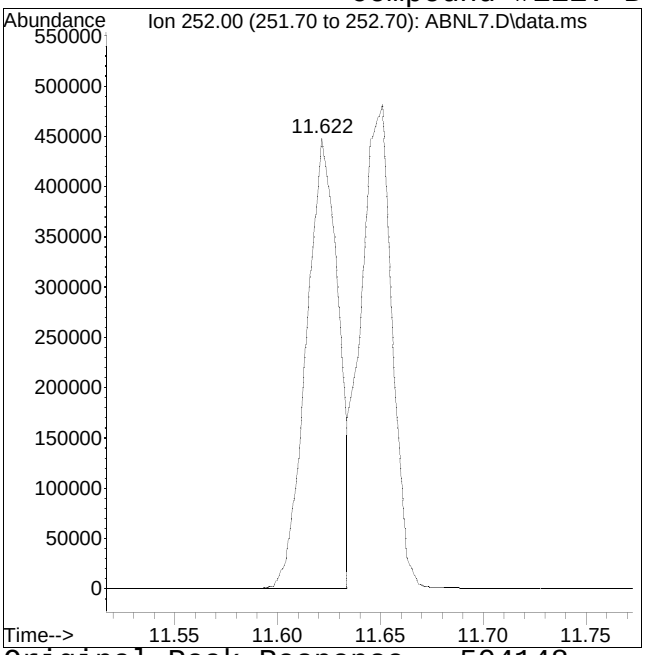
Original Peak Response = 485517 Manual Peak Response = 477312 M3

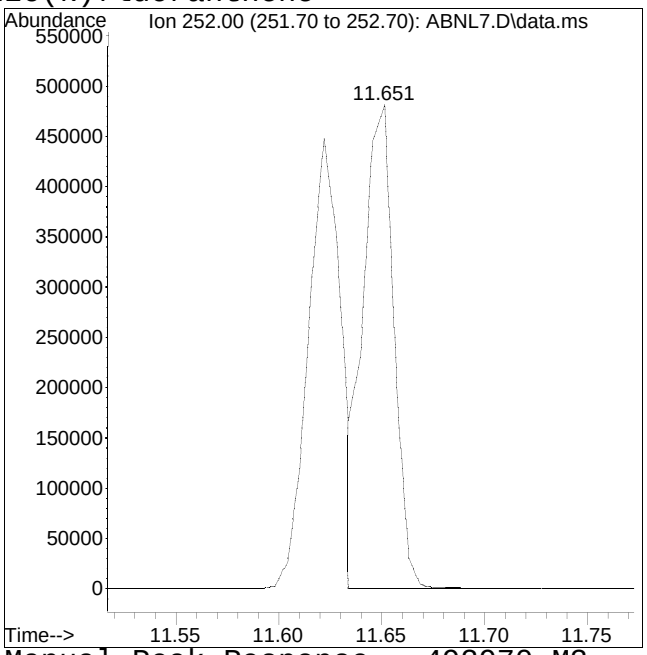
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL7.D Operator : SV112:slr
Date Inj'd : 8/17/2025 7:12 pm Instrument : SV112
Sample : IL4,32,,ABNL10 Lot# 11873 Quant Date : 8/18/2025 5:14 am

Compound #111: Benzo(k)fluoranthene





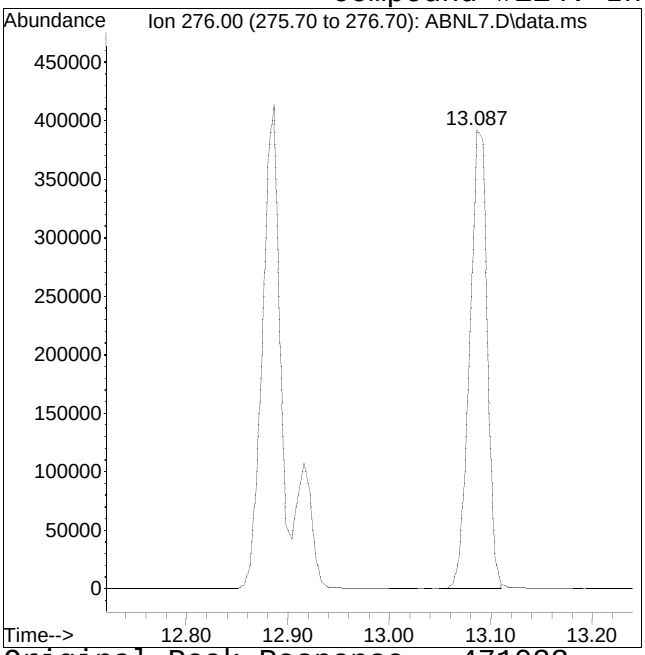
Original Peak Response = 504148 Manual Peak Response = 492970 M3

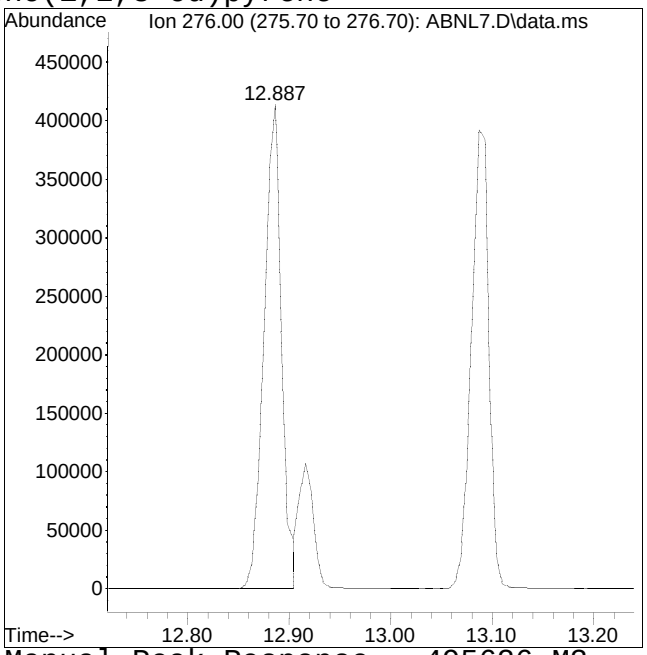
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL7.D Operator : SV112:slr
Date Inj'd : 8/17/2025 7:12 pm Instrument : SV112
Sample : IL4,32,,ABNL10 Lot# 11873 Quant Date : 8/18/2025 5:14 am

Compound #114: Indeno(1,2,3-cd)pyrene





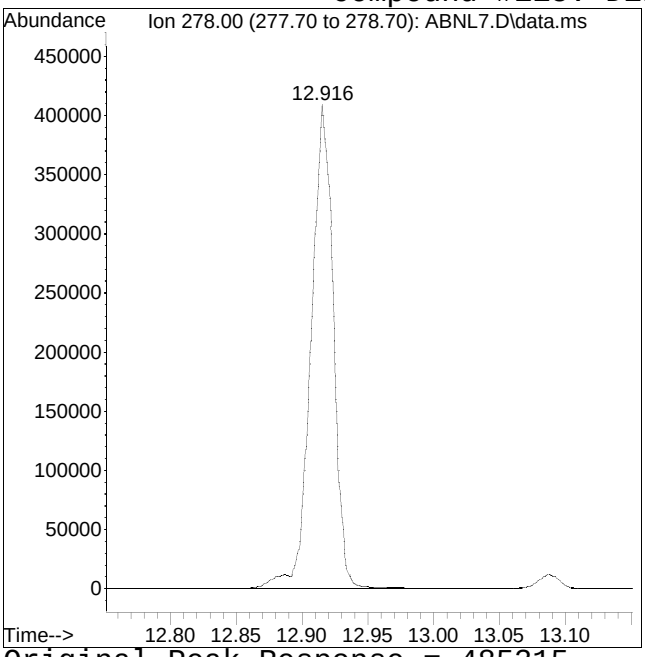
Original Peak Response = 471023 Manual Peak Response = 495626 M3

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

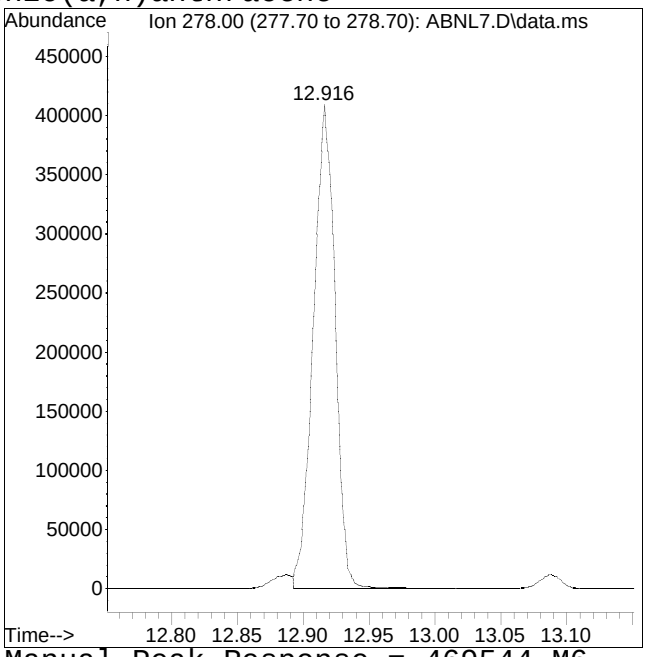
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL7.D Operator : SV112:slr
Date Inj'd : 8/17/2025 7:12 pm Instrument : SV112
Sample : IL4,32,,ABNL10 Lot# 11873 Quant Date : 8/18/2025 5:14 am

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 485315



Manual Peak Response = 469544 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL6.D
Acq On : 17 Aug 2025 07:34 pm
Operator : SV112:slr
Sample : IL5,32,,ABNL5 Lot# 11874
Misc : WG2104073,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 18 05:23:07 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.763	152	18713	4.000	ug/ml	0.00
Standard Area 1 = 18713			Recovery = 100.00%			
35) IS1_Naphthalene-d8	5.010	136	76311	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery = 100.00%			
63) IS1_Acenaphthene-d10	6.687	164	51538	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery = 100.00%			
88) IS1_Phenanthrene-d10	8.081	188	112327	4.000	ug/ml	0.00
Standard Area 1 = 112327			Recovery = 100.00%			
104) IS1_Chrysene-d12	10.598	240	124647	4.000	ug/ml #	0.00
Standard Area 1 = 124647			Recovery = 100.00%			
113) IS1_Perylene-d12	11.963	264	135022	4.000	ug/ml	0.00
Standard Area 1 = 135022			Recovery = 100.00%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.393	112	29089	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 0.00%#			
7) Phenol-d6	3.487	99	38345	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 0.00%#			
19) Nitrobenzene-d5	4.322	82	35742	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 0.00%#			
46) 2-Fluorobiphenyl	6.087	172	98945	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 0.00%#			
79) 2,4,6-Tribromophenol	7.440	330	17746	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 0.00%#			
96) 4-Terphenyl-d14	9.651	244	166355	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.105	74	20635	No Calib #		
3) Pyridine	1.128	79	32541	No Calib		
5) Aniline	3.434	93	52626	No Calib		
6) 2-Chlorophenol	3.552	128	34547	No Calib		
8) Phenol	3.499	94	41277	No Calib		
9) Bis(2-chloroethyl)ether	3.546	93	33512	No Calib #		
10) 1,3-Dichlorobenzene	3.699	146	39438	No Calib		
11) 1,4-Dichlorobenzene	3.775	146	40692	No Calib		
12) 1,2-Dichlorobenzene	3.922	146	39473	No Calib		

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL6.D
Acq On : 17 Aug 2025 07:34 pm
Operator : SV112:slr
Sample : IL5,32,,ABNL5 Lot# 11874
Misc : WG2104073,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 18 05:23:07 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
13) Benzyl alcohol	3.946	79	28865	No Calib	
14) Bis(2-chloroisopropyl)...	4.105	45	54741	No Calib	#
15) 2-Methylphenol	4.105	108	30628	No Calib	
16) Hexachloroethane	4.252	117	15054	No Calib	#
17) n-Nitrosodi-n-propylamine	4.228	70	26907	No Calib	
18) 3-Methylphenol/4-Methy...	4.269	108	33061	No Calib	
20) Nitrobenzene	4.340	77	36708	No Calib	
21) Isophorone	4.599	82	75426	No Calib	
22) 2-Nitrophenol	4.663	139	16596	No Calib	
23) 2,4-Dimethylphenol	4.775	107	38463	No Calib	
24) Bis(2-chloroethoxy)met...	4.858	93	47250	No Calib	
25) 2,4-Dichlorophenol	4.910	162	34276	No Calib	
26) 1,2,4-Trichlorobenzene	4.975	180	38690	No Calib	
36) Naphthalene	5.028	128	109202	No Calib	
37) Benzoic Acid	4.899	105	21211	No Calib	
38) 4-Chloroaniline	5.122	65	15154	No Calib	
39) Hexachlorobutadiene	5.199	225	25840	No Calib	
40) p-Chloro-m-cresol	5.646	107	35064	No Calib	
41) 2-Methylnaphthalene	5.705	142	70152	No Calib	
42) 1-Methylnaphthalene	5.799	115	27180	No Calib	
43) Hexachlorocyclopentadiene	5.881	237	31700	No Calib	
44) 2,4,6-Trichlorophenol	6.010	196	29077	No Calib	
45) 2,4,5-Trichlorophenol	6.034	196	32896	No Calib	
47) 2-Chloronaphthalene	6.163	162	82550	No Calib	
48) 2-Nitroaniline	6.293	138	22992	No Calib	
49) 1,4-Dinitrobenzene	6.428	168	11715	No Calib	
50) 1,3-Dinitrobenzene	6.505	168	13263	No Calib	
51) Dimethyl phthalate	6.510	163	109370	No Calib	
52) Acenaphthylene	6.546	152	142896	No Calib	
53) 2,6-Dinitrotoluene	6.540	165	21187	No Calib	#
54) 1,2-Dinitrobenzene	6.575	168	8807	No Calib	#
64) 3-Nitroaniline	6.687	138	23051	No Calib	#
65) Acenaphthene	6.716	154	76488	No Calib	
66) 2,4-Dinitrophenol	6.787	184	11255	No Calib	#
67) Dibenzofuran	6.887	168	130202	No Calib	
68) 2,4-Dinitrotoluene	6.916	165	29057	No Calib	#
69) 4-Nitrophenol	6.916	65	20671	No Calib	#
70) 2,3,5,6-Tetrachlorophenol	6.987	232	29268	No Calib	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL6.D
Acq On : 17 Aug 2025 07:34 pm
Operator : SV112:slr
Sample : IL5,32,,ABNL5 Lot# 11874
Misc : WG2104073,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 18 05:23:07 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.028	232	29986	No Calib		
72)	Diethyl phthalate	7.193	149	113977	No Calib		
73)	Fluorene	7.210	166	106275	No Calib		
74)	4-Chlorophenyl phenyl ...	7.252	204	53481	No Calib		#
75)	4-Nitroaniline	7.263	138	23164	No Calib		
76)	4,6-Dinitro-o-cresol	7.299	198	16774	No Calib		#
77)	NDPA/DPA	7.369	169	89522	No Calib		
78)	Azobenzene	7.393	77	103264	No Calib		
80)	4-Bromophenyl phenyl e...	7.704	248	36199	No Calib		#
81)	Hexachlorobenzene	7.734	284	41148	No Calib		#
82)	Pentachlorophenol	7.940	266	22827	No Calib		
89)	Phenanthrene	8.104	178	166676	No Calib		
90)	Anthracene	8.151	178	171867	No Calib		
91)	Carbazole	8.334	167	159005	No Calib		
92)	Di-n-butylphthalate	8.763	149	191701	No Calib		
93)	Fluoranthene	9.228	202	210256	No Calib		
94)	Benzidine	9.410	184	126495	No Calib		
95)	Pyrene	9.434	202	220323	No Calib		
97)	Butyl benzyl phthalate	10.175	149	81320	No Calib		
105)	Benzo(a)anthracene	10.593	228	221688	No Calib		
106)	3,3'-Dichlorobenzidine	10.622	252	85915	No Calib		
107)	Chrysene	10.622	228	211464	No Calib		
108)	Bis(2-ethylhexyl)phtha...	10.793	149	130051	No Calib		
109)	Di-n-octylphthalate	11.428	149	215798	No Calib		
110)	Benzo(b)fluoranthene	11.616	252	214945	No Calib		#
111)	Benzo(k)fluoranthene	11.645	252	228829	No Calib		
112)	Benzo(a)pyrene	11.910	252	209521	No Calib		#
114)	Indeno(1,2,3-cd)pyrene	12.881	276	209601	No Calib		
115)	Dibenzo(a,h)anthracene	12.910	278	206991	No Calib		
116)	Benzo(ghi)perylene	13.081	276	209061	No Calib		

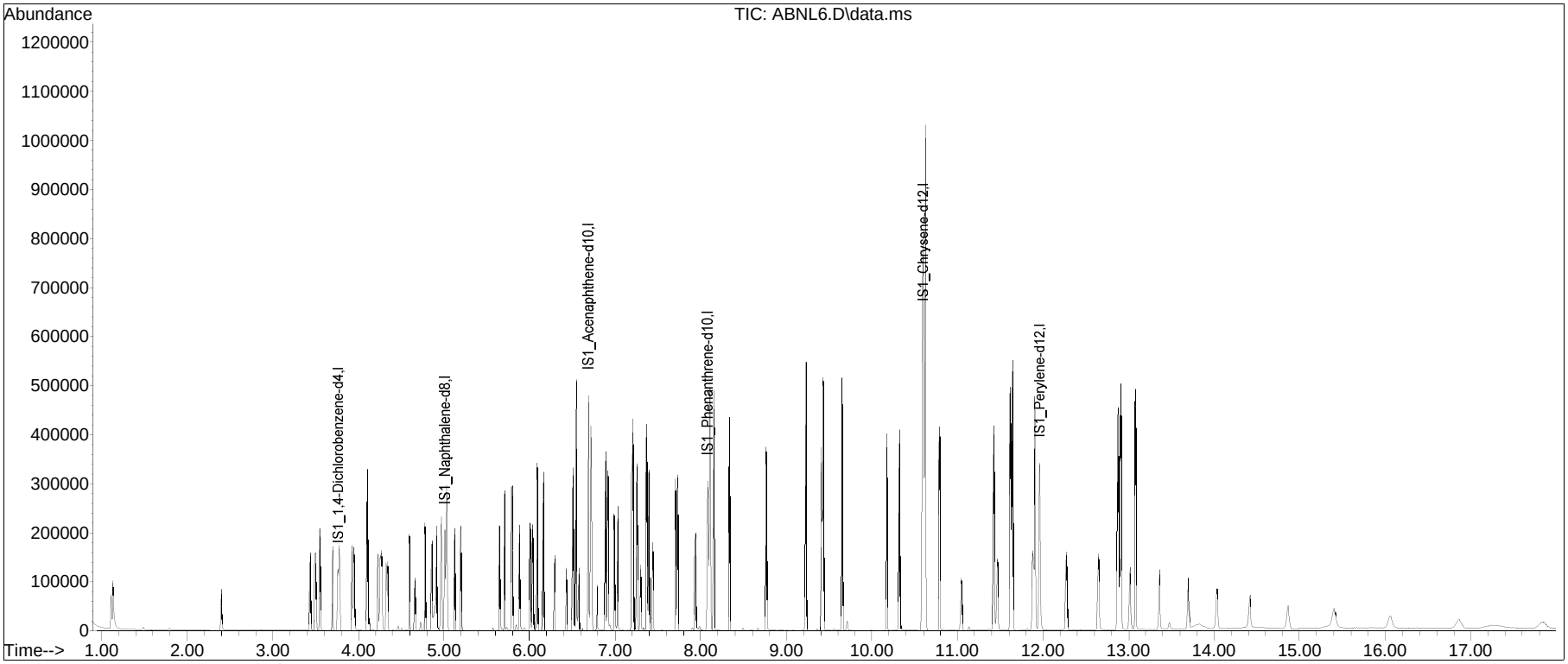
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL6.D
Acq On : 17 Aug 2025 07:34 pm
Operator : SV112:slr
Sample : IL5,32,,ABNL5 Lot# 11874
Misc : WG2104073,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 18 05:23:07 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

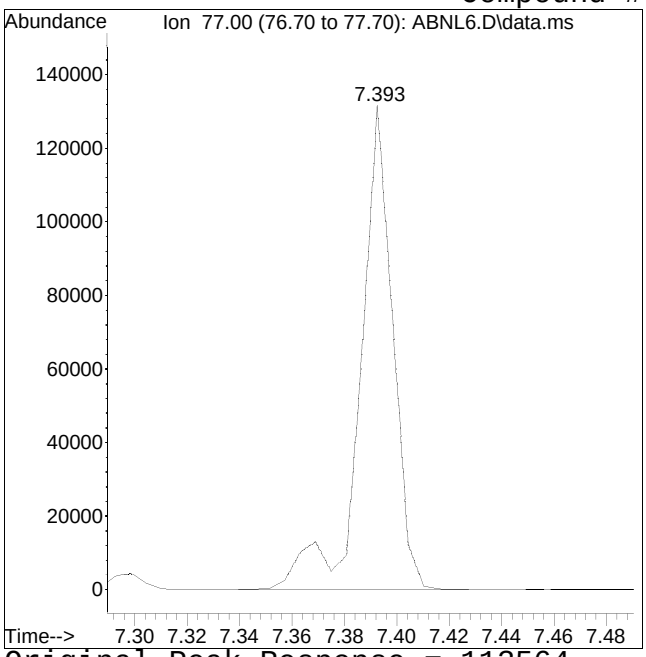
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•



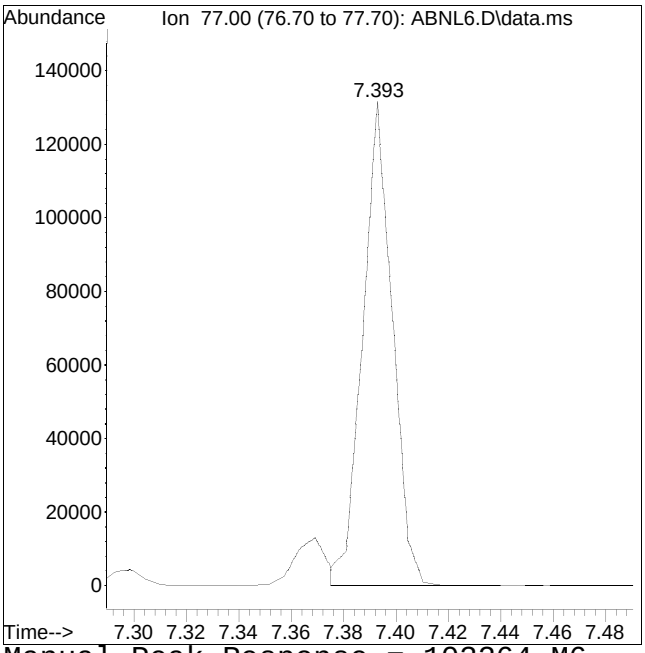
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL6.D Operator : SV112:slr
Date Inj'd : 8/17/2025 7:34 pm Instrument : SV112
Sample : IL5,32,,ABNL5 Lot# 11874 Quant Date : 8/18/2025 5:14 am

Compound #78: Azobenzene



Original Peak Response = 113564



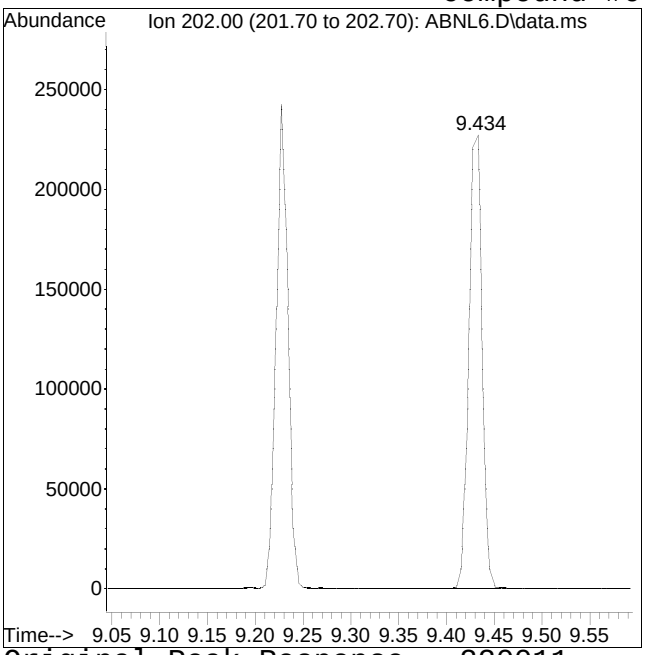
Manual Peak Response = 103264 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

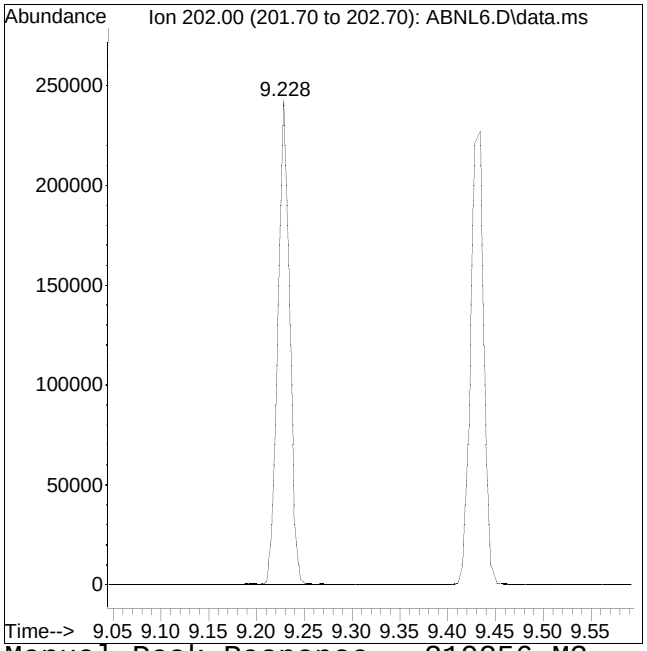
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL6.D Operator : SV112:slr
Date Inj'd : 8/17/2025 7:34 pm Instrument : SV112
Sample : IL5,32,,ABNL5 Lot# 11874 Quant Date : 8/18/2025 5:14 am

Compound #93: Fluoranthene



Original Peak Response = 220011



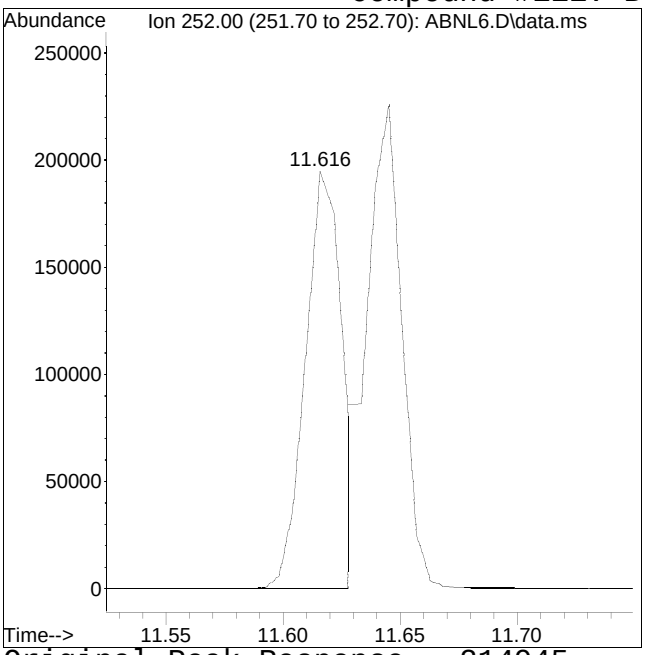
Manual Peak Response = 210256 M3

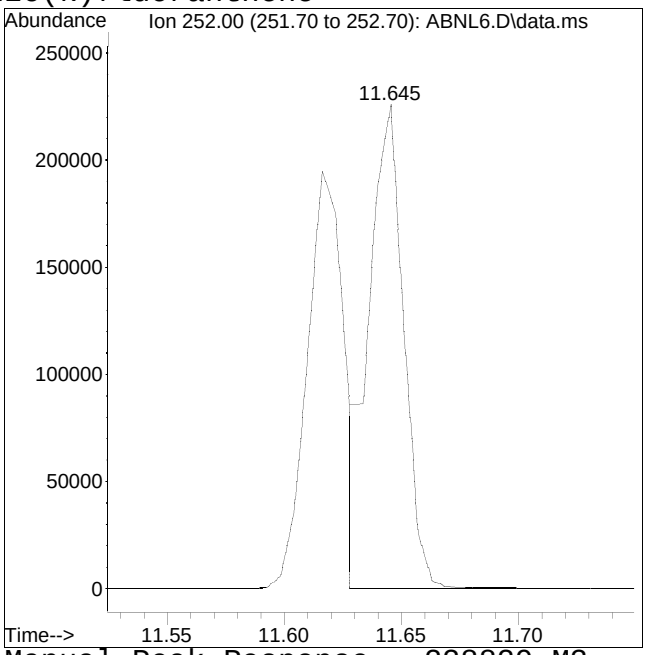
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL6.D Operator : SV112:slr
Date Inj'd : 8/17/2025 7:34 pm Instrument : SV112
Sample : IL5,32,,ABNL5 Lot# 11874 Quant Date : 8/18/2025 5:14 am

Compound #111: Benzo(k)fluoranthene





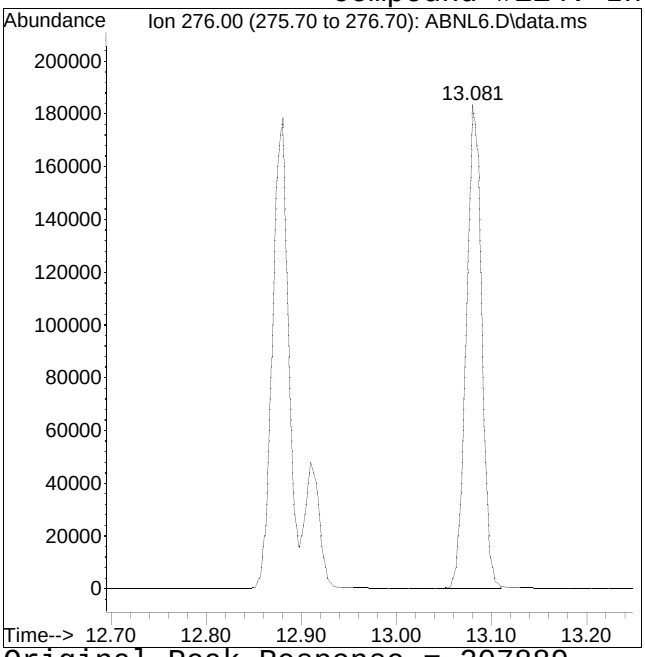
Original Peak Response = 214945 Manual Peak Response = 228829 M3

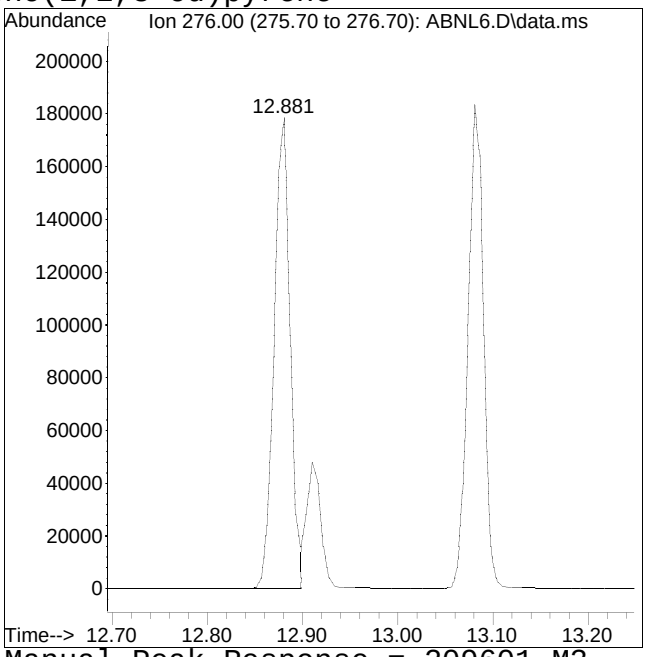
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL6.D Operator : SV112:slr
Date Inj'd : 8/17/2025 7:34 pm Instrument : SV112
Sample : IL5,32,,ABNL5 Lot# 11874 Quant Date : 8/18/2025 5:14 am

Compound #114: Indeno(1,2,3-cd)pyrene



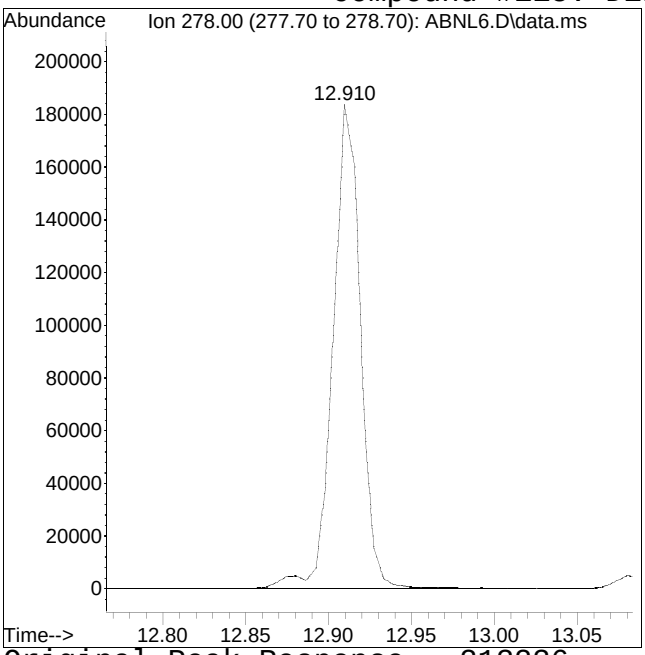


Original Peak Response = 207889 Manual Peak Response = 209601 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

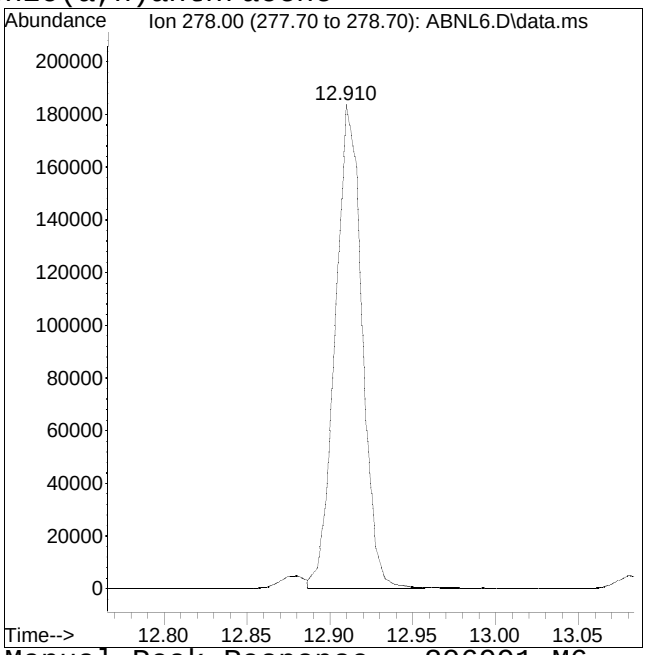
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL6.D Operator : SV112:slr
Date Inj'd : 8/17/2025 7:34 pm Instrument : SV112
Sample : IL5,32,,ABNL5 Lot# 11874 Quant Date : 8/18/2025 5:14 am

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 213236



Manual Peak Response = 206991 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL4.D
Acq On : 17 Aug 2025 08:20 pm
Operator : SV112:slr
Sample : IL7,32,,ABNL1 Lot# 11876
Misc : WG2104073,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 05:31:16 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.763	152	20275	4.000	ug/ml	0.00
Standard Area 1 = 18713			Recovery = 108.35%			
35) IS1_Naphthalene-d8	5.010	136	82122	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery = 107.61%			
63) IS1_Acenaphthene-d10	6.687	164	54105	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery = 104.98%			
88) IS1_Phenanthrene-d10	8.081	188	117290	4.000	ug/ml	0.00
Standard Area 1 = 112327			Recovery = 104.42%			
104) IS1_Chrysene-d12	10.598	240	129663	4.000	ug/ml	# 0.00
Standard Area 1 = 124647			Recovery = 104.02%			
113) IS1_Perylene-d12	11.963	264	143170	4.000	ug/ml	0.00
Standard Area 1 = 135022			Recovery = 106.03%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.399	112	4477	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 0.00%#			
7) Phenol-d6	3.487	99	6147	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 0.00%#			
19) Nitrobenzene-d5	4.328	82	5543	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 0.00%#			
46) 2-Fluorobiphenyl	6.087	172	17063	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 0.00%#			
79) 2,4,6-Tribromophenol	7.440	330	2750	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 0.00%#			
96) 4-Terphenyl-d14	9.651	244	27179	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.111	74	3306	No Calib #		
3) Pyridine	1.146	79	5191	No Calib		
5) Aniline	3.440	93	8690	No Calib		
6) 2-Chlorophenol	3.552	128	5330	No Calib		
8) Phenol	3.499	94	6584	No Calib		
9) Bis(2-chloroethyl)ether	3.546	93	5542	No Calib #		
10) 1,3-Dichlorobenzene	3.699	146	6854	No Calib		
11) 1,4-Dichlorobenzene	3.775	146	7226	No Calib		
12) 1,2-Dichlorobenzene	3.928	146	6826	No Calib		

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL4.D
Acq On : 17 Aug 2025 08:20 pm
Operator : SV112:slr
Sample : IL7,32,,ABNL1 Lot# 11876
Misc : WG2104073,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 05:31:16 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
13) Benzyl alcohol	3.952	79	4497	No Calib	
14) Bis(2-chloroisopropyl)...	4.111	45	9510	No Calib	#
15) 2-Methylphenol	4.105	108	4776	No Calib	
16) Hexachloroethane	4.258	117	2644	No Calib	#
17) n-Nitrosodi-n-propylamine	4.228	70	4399	No Calib	#
18) 3-Methylphenol/4-Methy...	4.269	108	5267	No Calib	
20) Nitrobenzene	4.346	77	5698	No Calib	
21) Isophorone	4.599	82	11809	No Calib	
22) 2-Nitrophenol	4.663	139	2602	No Calib	
23) 2,4-Dimethylphenol	4.781	107	5851	No Calib	
24) Bis(2-chloroethoxy)met...	4.858	93	7695	No Calib	#
25) 2,4-Dichlorophenol	4.916	162	5015	No Calib	
26) 1,2,4-Trichlorobenzene	4.975	180	6681	No Calib	
36) Naphthalene	5.028	128	18568	No Calib	
37) Benzoic Acid	4.869	105	1959	No Calib	
38) 4-Chloroaniline	5.128	65	2549	No Calib	
39) Hexachlorobutadiene	5.199	225	4422	No Calib	
40) p-Chloro-m-cresol	5.652	107	5078	No Calib	
41) 2-Methylnaphthalene	5.710	142	11892	No Calib	
42) 1-Methylnaphthalene	5.799	115	4668	No Calib	
43) Hexachlorocyclopentadiene	5.881	237	4607	No Calib	#
44) 2,4,6-Trichlorophenol	6.010	196	4170	No Calib	
45) 2,4,5-Trichlorophenol	6.040	196	4722	No Calib	
47) 2-Chloronaphthalene	6.163	162	14152	No Calib	
48) 2-Nitroaniline	6.293	138	3384	No Calib	
49) 1,4-Dinitrobenzene	6.428	168	1627	No Calib	
50) 1,3-Dinitrobenzene	6.499	168	1824	No Calib	
51) Dimethyl phthalate	6.510	163	17332	No Calib	#
52) Acenaphthylene	6.546	152	22455	No Calib	
53) 2,6-Dinitrotoluene	6.540	165	2763	No Calib	#
54) 1,2-Dinitrobenzene	6.575	168	1125	No Calib	#
64) 3-Nitroaniline	6.687	138	3129	No Calib	#
65) Acenaphthene	6.716	154	12686	No Calib	
66) 2,4-Dinitrophenol	6.793	184	942	No Calib	#
67) Dibenzofuran	6.887	168	21998	No Calib	
68) 2,4-Dinitrotoluene	6.916	165	3879	No Calib	#
69) 4-Nitrophenol	6.916	65	2539	No Calib	#
70) 2,3,5,6-Tetrachlorophenol	6.993	232	4041	No Calib	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL4.D
Acq On : 17 Aug 2025 08:20 pm
Operator : SV112:slr
Sample : IL7,32,,ABNL1 Lot# 11876
Misc : WG2104073,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 05:31:16 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.028	232	3855	No	Calib	
72)	Diethyl phthalate	7.193	149	17269	No	Calib	
73)	Fluorene	7.210	166	16987	No	Calib	
74)	4-Chlorophenyl phenyl ...	7.252	204	9003	No	Calib	#
75)	4-Nitroaniline	7.257	138	3118	No	Calib	
76)	4,6-Dinitro-o-cresol	7.299	198	2028	No	Calib	#
77)	NDPA/DPA	7.369	169	14206	No	Calib	
78)	Azobenzene	7.393	77	15748	No	Calib	
80)	4-Bromophenyl phenyl e...	7.704	248	5743	No	Calib	#
81)	Hexachlorobenzene	7.728	284	6799	No	Calib	#
82)	Pentachlorophenol	7.940	266	2412	No	Calib	
89)	Phenanthrene	8.104	178	29040	No	Calib	
90)	Anthracene	8.151	178	28182	No	Calib	
91)	Carbazole	8.334	167	25022	No	Calib	
92)	Di-n-butylphthalate	8.763	149	28459	No	Calib	
93)	Fluoranthene	9.228	202	33883	No	Calib	
94)	Benzidine	9.410	184	15796	No	Calib	#
95)	Pyrene	9.428	202	35417	No	Calib	
97)	Butyl benzyl phthalate	10.175	149	11429	No	Calib	
105)	Benzo(a)anthracene	10.587	228	36263	No	Calib	
106)	3,3'-Dichlorobenzidine	10.622	252	12255	No	Calib	
107)	Chrysene	10.622	228	35546	No	Calib	
108)	Bis(2-ethylhexyl)phtha...	10.793	149	17918	No	Calib	#
109)	Di-n-octylphthalate	11.428	149	28377	No	Calib	#
110)	Benzo(b)fluoranthene	11.616	252	36225	No	Calib	#
111)	Benzo(k)fluoranthene	11.640	252	35707	No	Calib	
112)	Benzo(a)pyrene	11.904	252	33447	No	Calib	#
114)	Indeno(1,2,3-cd)pyrene	12.875	276	31687	No	Calib	
115)	Dibenzo(a,h)anthracene	12.910	278	32687	No	Calib	
116)	Benzo(ghi)perylene	13.081	276	33609	No	Calib	

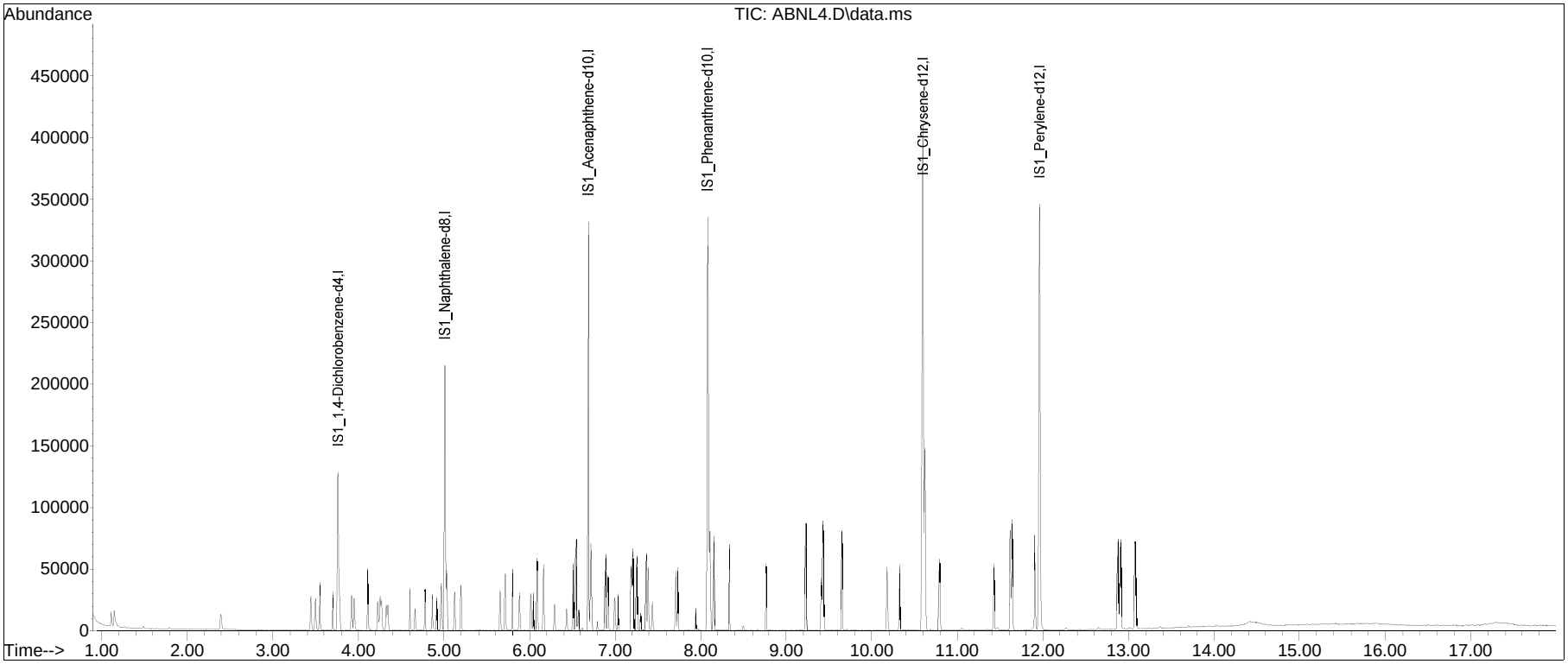
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL4.D
Acq On : 17 Aug 2025 08:20 pm
Operator : SV112:slr
Sample : IL7,32,,ABNL1 Lot# 11876
Misc : WG2104073,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 05:31:16 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

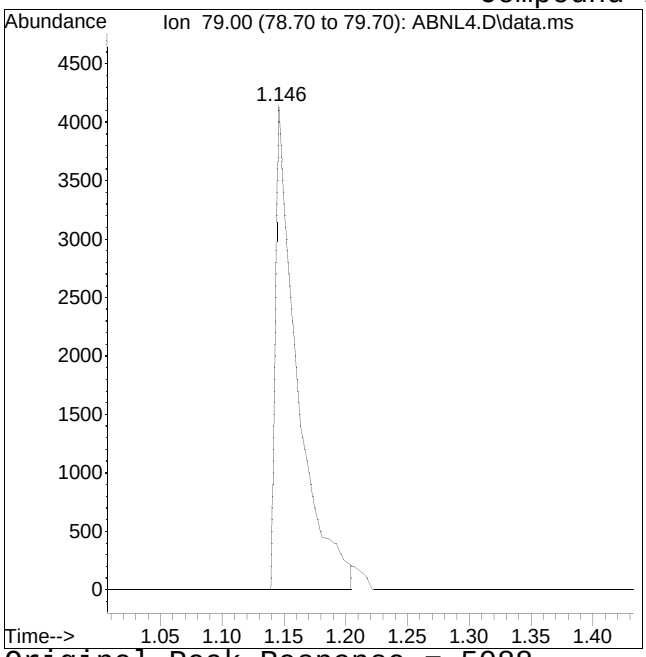
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

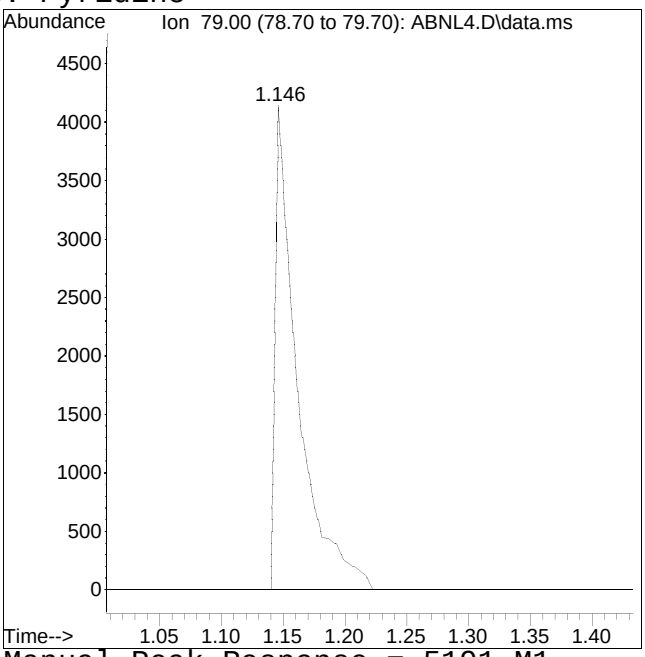


Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL4.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:20 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 11876 Quant Date : 8/18/2025 5:13 am

Compound #3: Pyridine



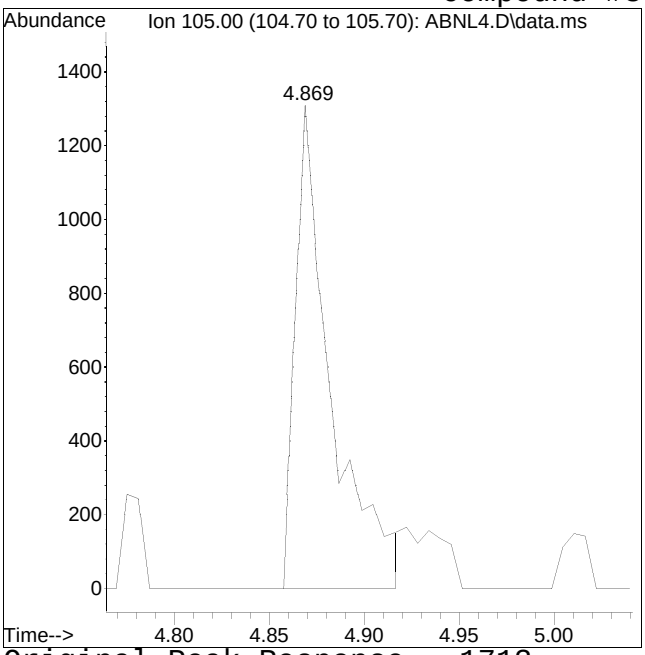


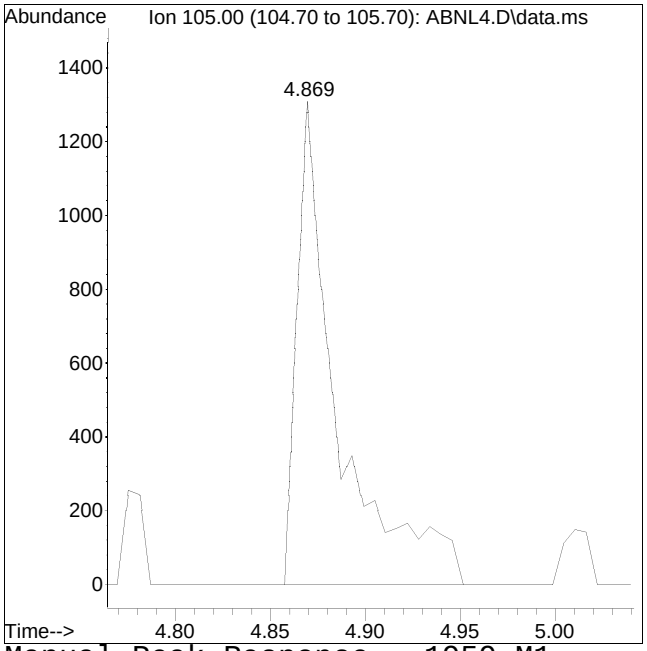
Original Peak Response = 5088 Manual Peak Response = 5191 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL4.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:20 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 11876 Quant Date : 8/18/2025 5:13 am

Compound #37: Benzoic Acid





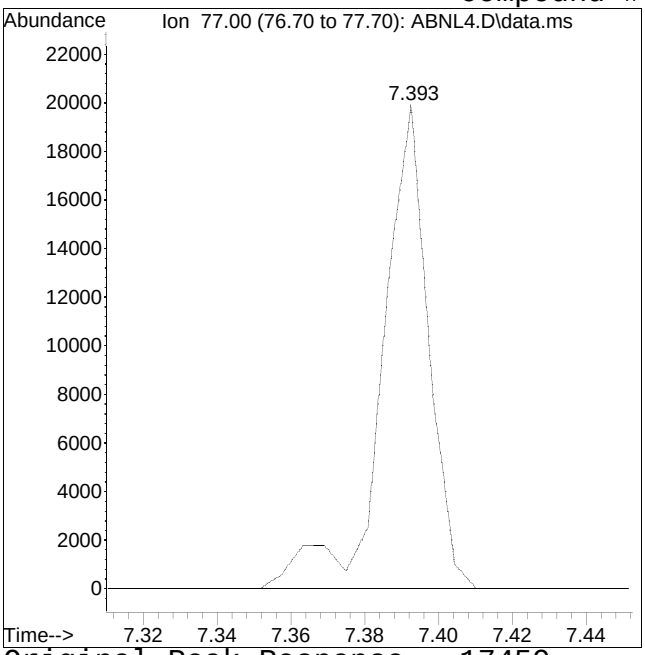
Original Peak Response = 1713 Manual Peak Response = 1959 M1

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

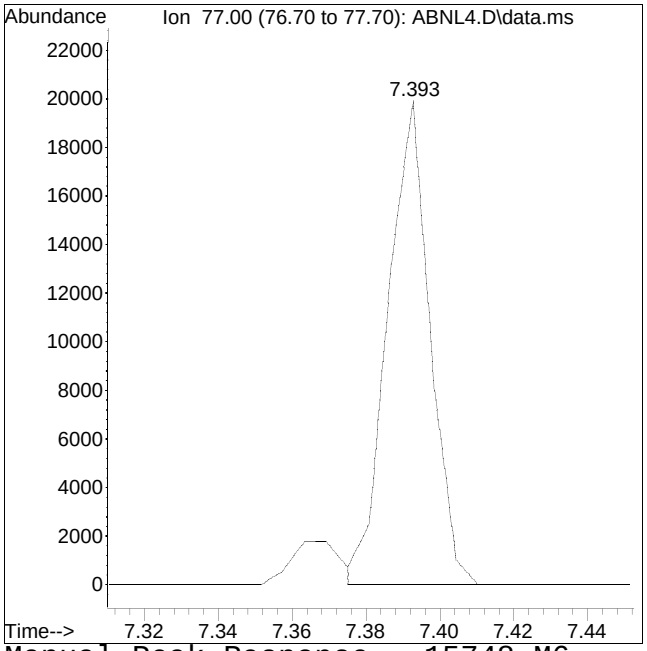
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL4.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:20 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 11876 Quant Date : 8/18/2025 5:13 am

Compound #78: Azobenzene



Original Peak Response = 17459



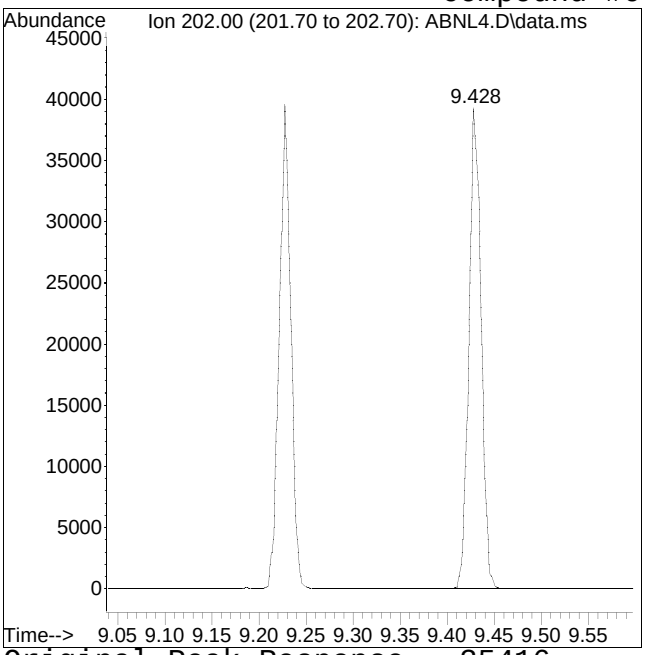
Manual Peak Response = 15748 M6

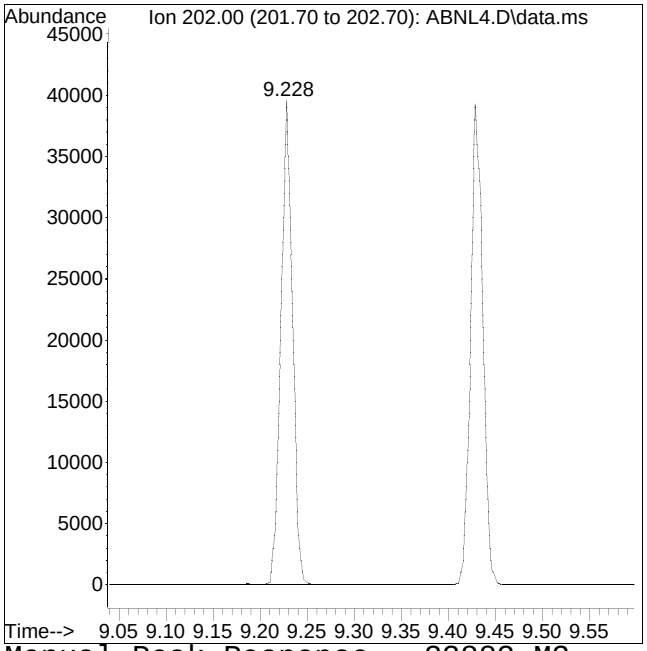
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL4.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:20 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 11876 Quant Date : 8/18/2025 5:13 am

Compound #93: Fluoranthene





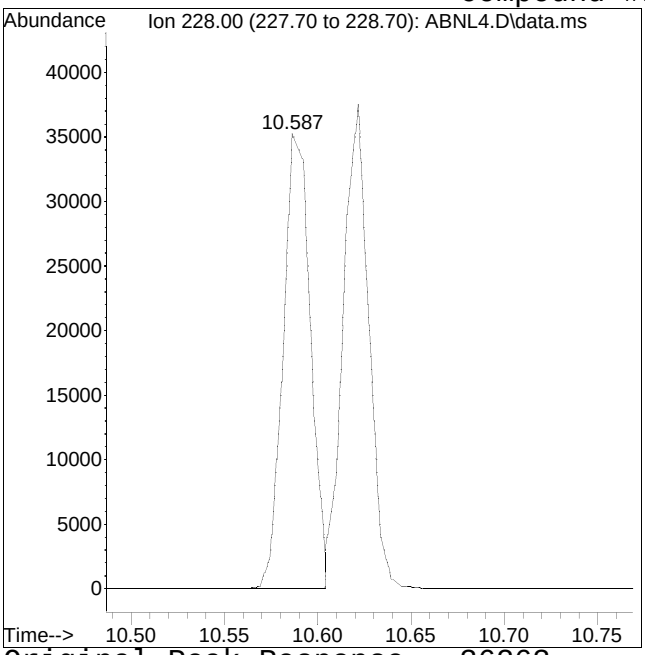
Original Peak Response = 35416 Manual Peak Response = 33883 M3

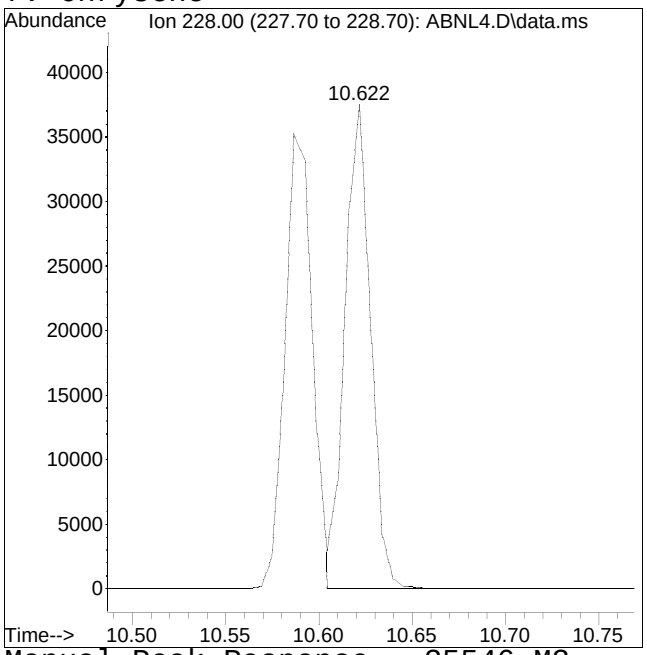
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL4.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:20 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 11876 Quant Date : 8/18/2025 5:13 am

Compound #107: Chrysene





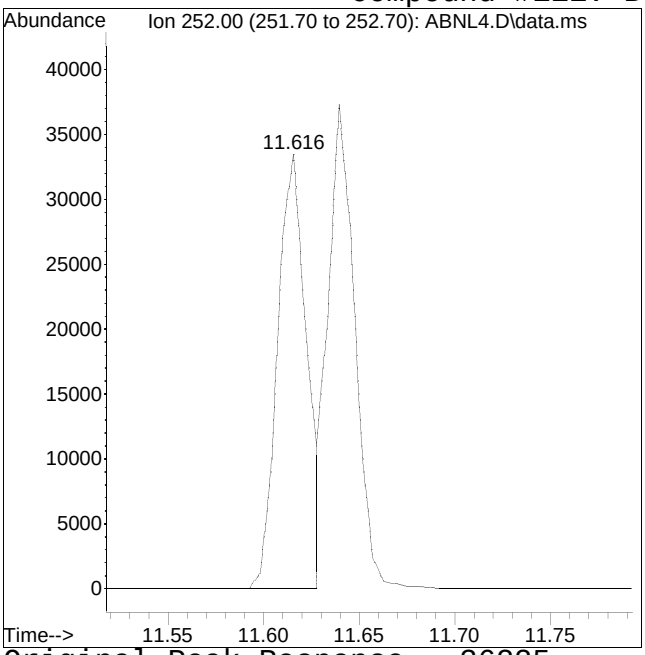
Original Peak Response = 36263 Manual Peak Response = 35546 M3

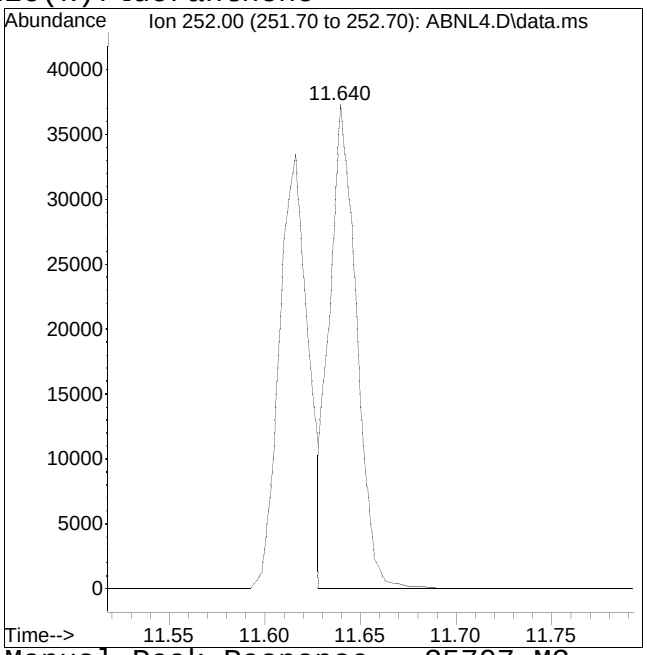
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL4.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:20 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 11876 Quant Date : 8/18/2025 5:13 am

Compound #111: Benzo(k)fluoranthene



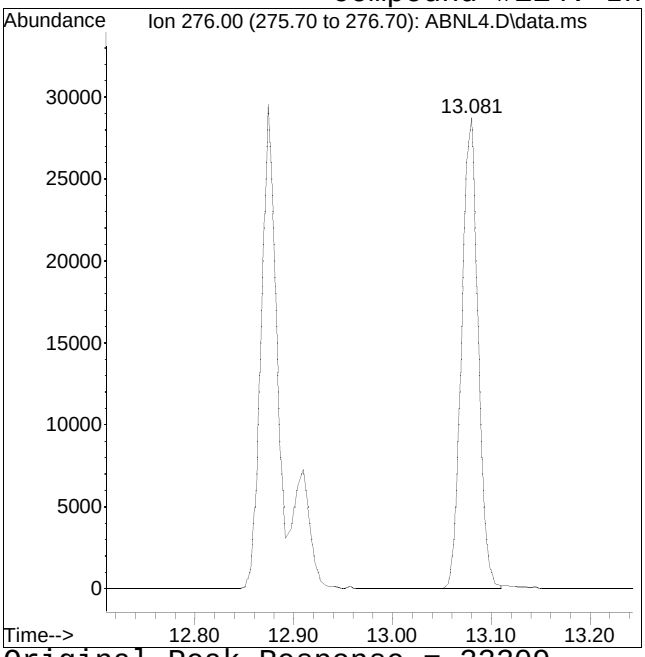


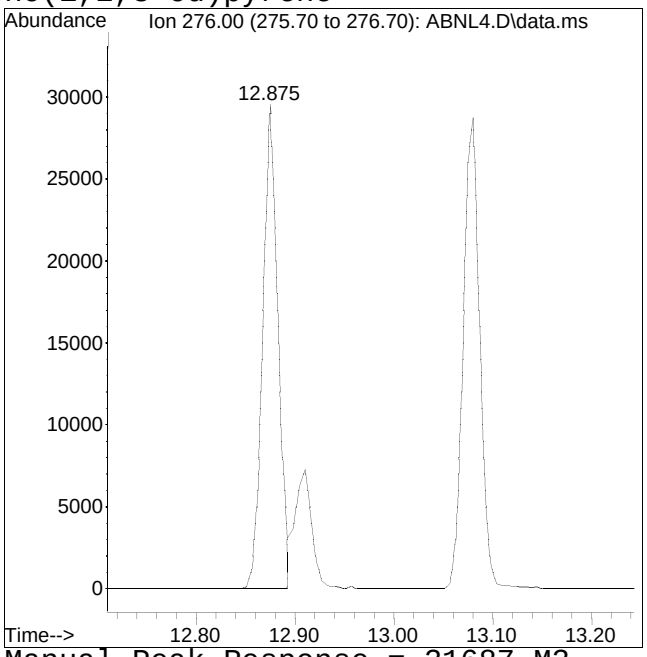
Original Peak Response = 36225 Manual Peak Response = 35707 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL4.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:20 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 11876 Quant Date : 8/18/2025 5:13 am

Compound #114: Indeno(1,2,3-cd)pyrene



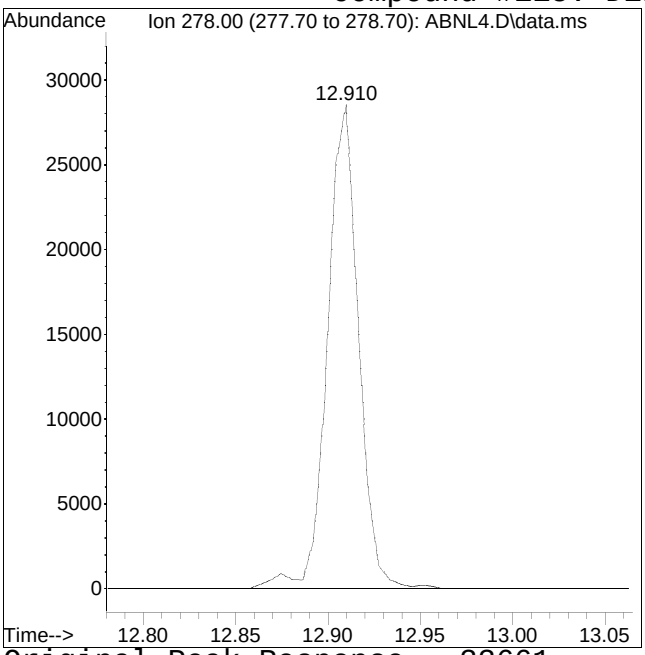


Original Peak Response = 33309 Manual Peak Response = 31687 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

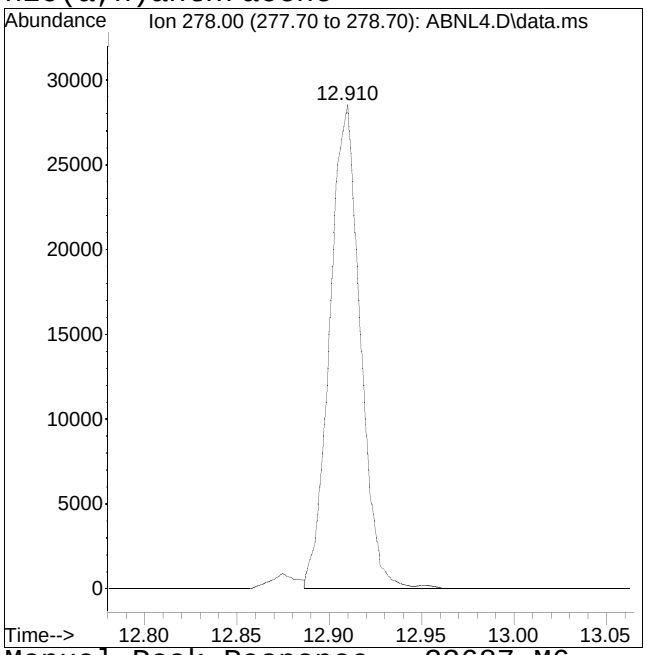
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL4.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:20 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 11876 Quant Date : 8/18/2025 5:13 am

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 33661



Manual Peak Response = 32687 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL3.D
Acq On : 17 Aug 2025 08:42 pm
Operator : SV112:slr
Sample : IL8,32,,ABNL0.5 Lot# 11877
Misc : WG2104073,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 05:30:07 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.763	152	17806	4.000	ug/ml	0.00
Standard Area 1 = 18713			Recovery = 95.15%			
35) IS1_Naphthalene-d8	5.010	136	72072	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery = 94.45%			
63) IS1_Acenaphthene-d10	6.687	164	47808	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery = 92.76%			
88) IS1_Phenanthrene-d10	8.081	188	110499	4.000	ug/ml	0.00
Standard Area 1 = 112327			Recovery = 98.37%			
104) IS1_Chrysene-d12	10.598	240	126496	4.000	ug/ml	# 0.00
Standard Area 1 = 124647			Recovery = 101.48%			
113) IS1_Perylene-d12	11.963	264	137530	4.000	ug/ml	0.00
Standard Area 1 = 135022			Recovery = 101.86%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.399	112	2137	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 0.00%#			
7) Phenol-d6	3.487	99	2812	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 0.00%#			
19) Nitrobenzene-d5	4.328	82	2402	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 0.00%#			
46) 2-Fluorobiphenyl	6.087	172	7634	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 0.00%#			
79) 2,4,6-Tribromophenol	7.440	330	1191	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 0.00%#			
96) 4-Terphenyl-d14	9.651	244	13493	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.111	74	1448	No Calib #		
3) Pyridine	1.152	79	2496	No Calib		
5) Aniline	3.440	93	3571	No Calib		
6) 2-Chlorophenol	3.552	128	2478	No Calib		
8) Phenol	3.505	94	3072	No Calib		
9) Bis(2-chloroethyl)ether	3.552	93	2479	No Calib #		
10) 1,3-Dichlorobenzene	3.699	146	3265	No Calib		
11) 1,4-Dichlorobenzene	3.775	146	3279	No Calib		
12) 1,2-Dichlorobenzene	3.922	146	2896	No Calib		

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL3.D
Acq On : 17 Aug 2025 08:42 pm
Operator : SV112:slr
Sample : IL8,32,,ABNL0.5 Lot# 11877
Misc : WG2104073,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 05:30:07 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
13) Benzyl alcohol	3.952	79	2020	No Calib	
14) Bis(2-chloroisopropyl)...	4.110	45	4204	No Calib	#
15) 2-Methylphenol	4.105	108	2147	No Calib	
16) Hexachloroethane	4.252	117	1249	No Calib	#
17) n-Nitrosodi-n-propylamine	4.234	70	1850	No Calib	#
18) 3-Methylphenol/4-Methy...	4.275	108	2376	No Calib	#
20) Nitrobenzene	4.346	77	2790	No Calib	#
21) Isophorone	4.599	82	5191	No Calib	#
22) 2-Nitrophenol	4.663	139	1025	No Calib	#
23) 2,4-Dimethylphenol	4.781	107	2649	No Calib	
24) Bis(2-chloroethoxy)met...	4.857	93	3323	No Calib	#
25) 2,4-Dichlorophenol	4.916	162	2351	No Calib	
26) 1,2,4-Trichlorobenzene	4.975	180	3015	No Calib	
36) Naphthalene	5.028	128	8956	No Calib	
37) Benzoic Acid	4.887	105	395	No Calib	
38) 4-Chloroaniline	5.128	65	1089	No Calib	
39) Hexachlorobutadiene	5.199	225	2037	No Calib	
40) p-Chloro-m-cresol	5.652	107	2435	No Calib	
41) 2-Methylnaphthalene	5.710	142	5553	No Calib	
42) 1-Methylnaphthalene	5.799	115	1960	No Calib	
43) Hexachlorocyclopentadiene	5.881	237	1837	No Calib	#
44) 2,4,6-Trichlorophenol	6.010	196	1750	No Calib	
45) 2,4,5-Trichlorophenol	6.040	196	1995	No Calib	
47) 2-Chloronaphthalene	6.163	162	6449	No Calib	
48) 2-Nitroaniline	6.293	138	1421	No Calib	
49) 1,4-Dinitrobenzene	6.428	168	624	No Calib	
50) 1,3-Dinitrobenzene	6.504	168	831	No Calib	
51) Dimethyl phthalate	6.510	163	8038	No Calib	#
52) Acenaphthylene	6.546	152	10460	No Calib	
53) 2,6-Dinitrotoluene	6.540	165	1296	No Calib	#
54) 1,2-Dinitrobenzene	6.575	168	476	No Calib	
64) 3-Nitroaniline	6.687	138	1331	No Calib	#
65) Acenaphthene	6.716	154	6289	No Calib	
66) 2,4-Dinitrophenol	6.799	184	207	No Calib	
67) Dibenzofuran	6.887	168	10132	No Calib	
68) 2,4-Dinitrotoluene	6.916	165	1741	No Calib	#
69) 4-Nitrophenol	6.916	65	1006	No Calib	#
70) 2,3,5,6-Tetrachlorophenol	6.993	232	1617	No Calib	

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL3.D
Acq On : 17 Aug 2025 08:42 pm
Operator : SV112:slr
Sample : IL8,32,,ABNL0.5 Lot# 11877
Misc : WG2104073,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 05:30:07 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2,3,4,6-Tetrachlorophenol	7.034	232	1622	No	Calib	
72) Diethyl phthalate	7.193	149	7887	No	Calib	
73) Fluorene	7.210	166	8166	No	Calib	
74) 4-Chlorophenyl phenyl ...	7.251	204	4170	No	Calib	#
75) 4-Nitroaniline	7.257	138	1315	No	Calib	#
76) 4,6-Dinitro-o-cresol	7.298	198	847	No	Calib	#
77) NDPA/DPA	7.369	169	6743	No	Calib	
78) Azobenzene	7.393	77	7271	No	Calib	
80) 4-Bromophenyl phenyl e...	7.704	248	2731	No	Calib	#
81) Hexachlorobenzene	7.734	284	3252	No	Calib	#
82) Pentachlorophenol	7.940	266	932	No	Calib	
89) Phenanthrene	8.104	178	14135	No	Calib	
90) Anthracene	8.151	178	13527	No	Calib	
91) Carbazole	8.334	167	12043	No	Calib	
92) Di-n-butylphthalate	8.763	149	13393	No	Calib	
93) Fluoranthene	9.228	202	16801	No	Calib	
94) Benzidine	9.410	184	6450	No	Calib	#
95) Pyrene	9.428	202	17633	No	Calib	
97) Butyl benzyl phthalate	10.175	149	5352	No	Calib	
105) Benzo(a)anthracene	10.587	228	18145	No	Calib	
106) 3,3'-Dichlorobenzidine	10.622	252	5945	No	Calib	
107) Chrysene	10.622	228	18466	No	Calib	
108) Bis(2-ethylhexyl)phtha...	10.792	149	8425	No	Calib	#
109) Di-n-octylphthalate	11.428	149	13144	No	Calib	#
110) Benzo(b)fluoranthene	11.616	252	17217	No	Calib	#
111) Benzo(k)fluoranthene	11.645	252	18020	No	Calib	
112) Benzo(a)pyrene	11.904	252	15732	No	Calib	#
114) Indeno(1,2,3-cd)pyrene	12.881	276	15444	No	Calib	#
115) Dibenzo(a,h)anthracene	12.910	278	15744	No	Calib	
116) Benzo(ghi)perylene	13.081	276	16323	No	Calib	#

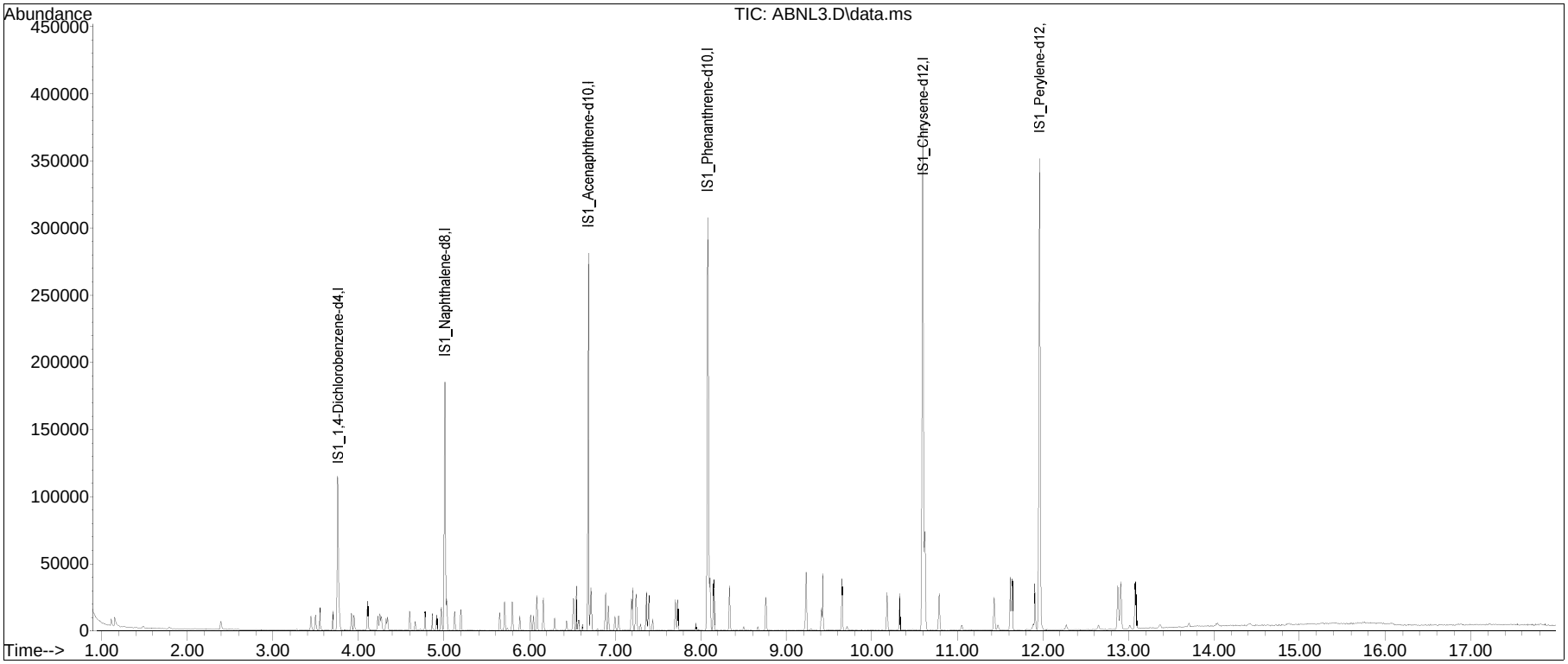
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL3.D
Acq On : 17 Aug 2025 08:42 pm
Operator : SV112:slr
Sample : IL8,32,,ABNL0.5 Lot# 11877
Misc : WG2104073,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 05:30:07 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

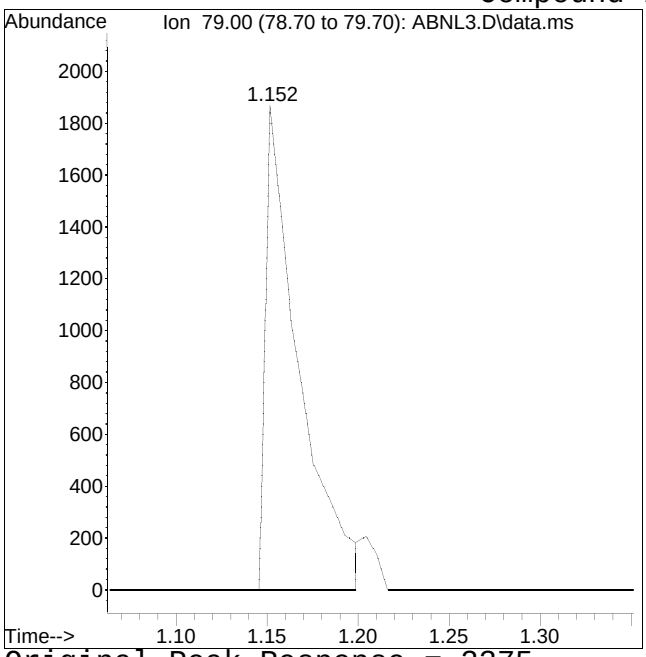
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

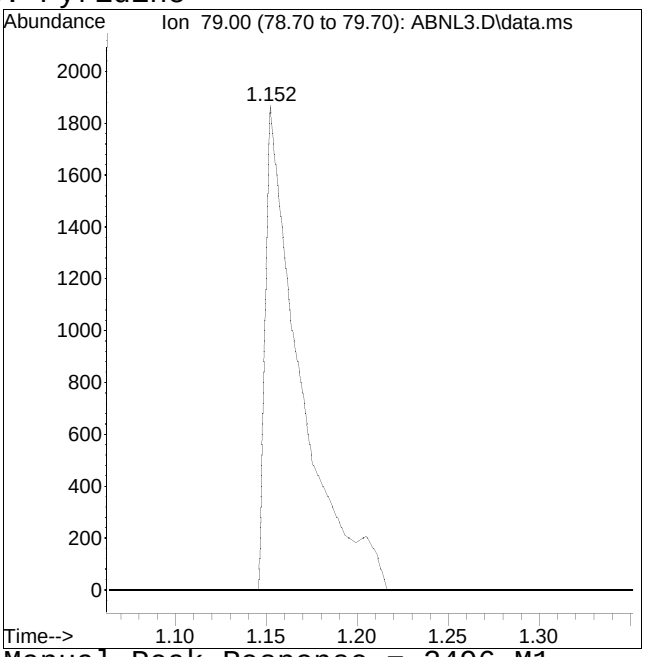


Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL3.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:42 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 11877Quant Date : 8/18/2025 5:13 am

Compound #3: Pyridine



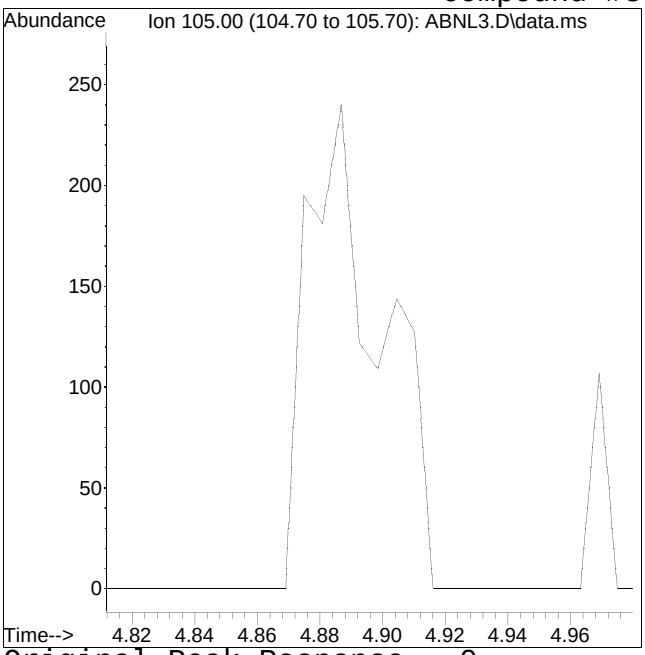


Original Peak Response = 2375 Manual Peak Response = 2496 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

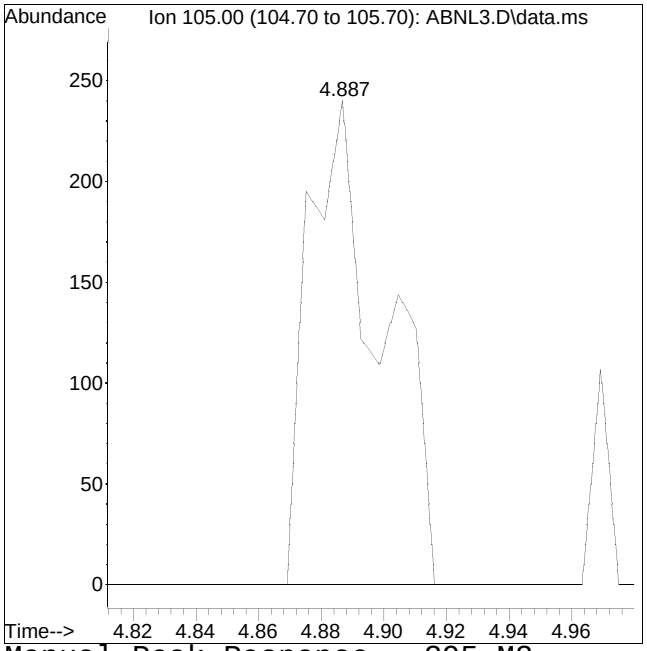
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL3.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:42 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 11877Quant Date : 8/18/2025 5:13 am

Compound #37: Benzoic Acid



Original Peak Response = 0



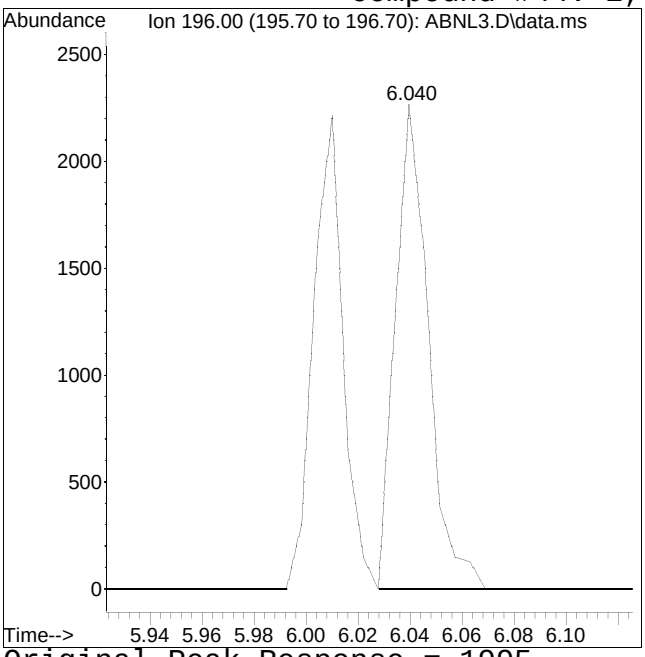
Manual Peak Response = 395 M2

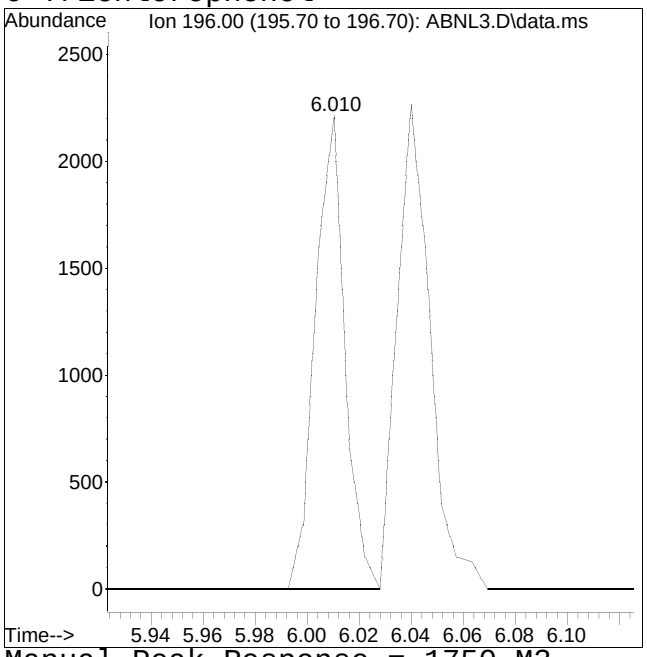
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL3.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:42 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 11877Quant Date : 8/18/2025 5:13 am

Compound #44: 2,4,6-Trichlorophenol





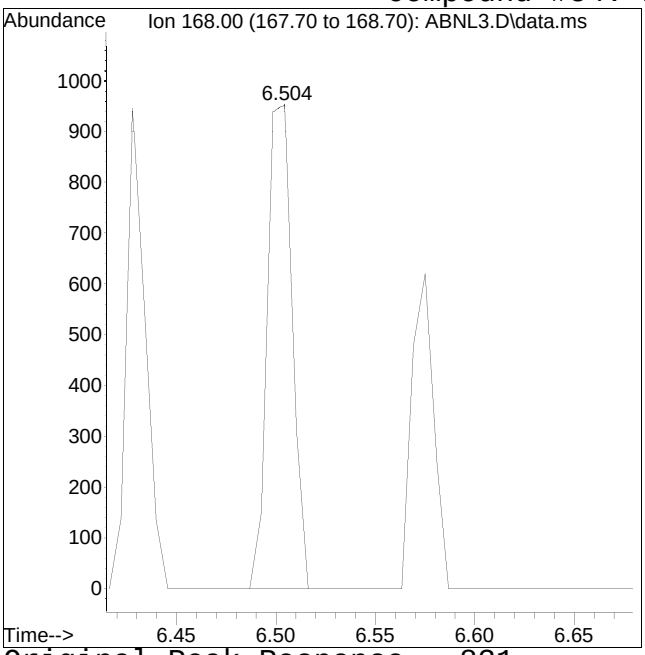
Original Peak Response = 1995 Manual Peak Response = 1750 M3

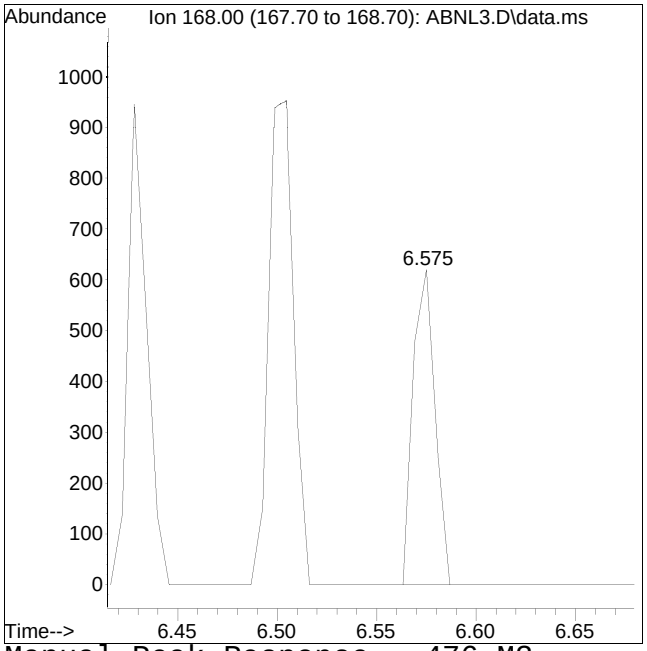
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL3.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:42 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 11877Quant Date : 8/18/2025 5:13 am

Compound #54: 1,2-Dinitrobenzene





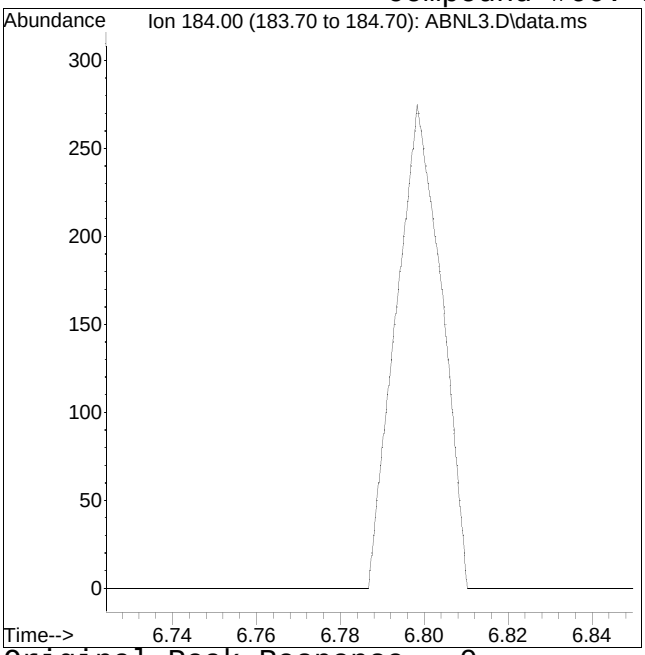
Original Peak Response = 831 Manual Peak Response = 476 M3

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

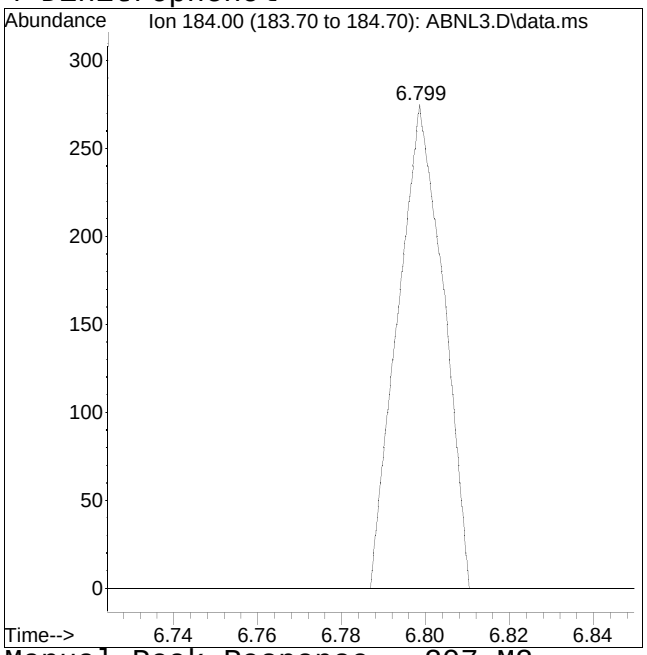
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL3.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:42 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 11877Quant Date : 8/18/2025 5:13 am

Compound #66: 2,4-Dinitrophenol



Original Peak Response = 0



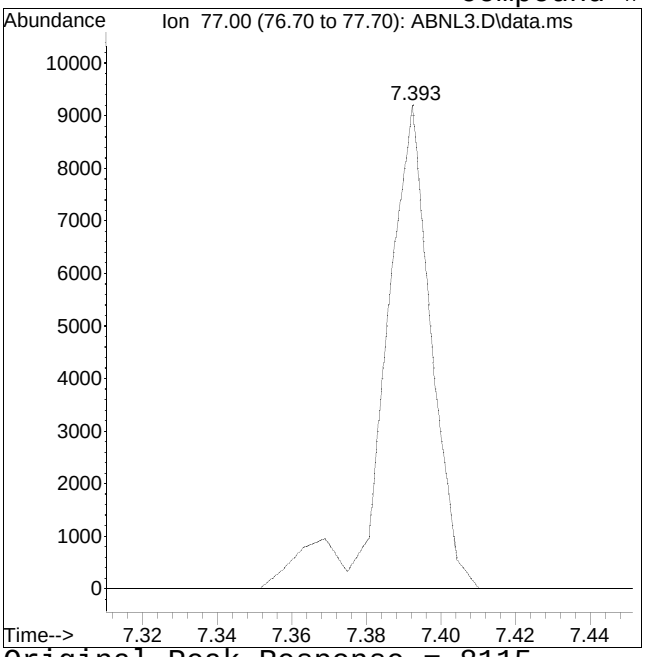
Manual Peak Response = 207 M2

M2 = Peak not found by automatic integration algorithm.

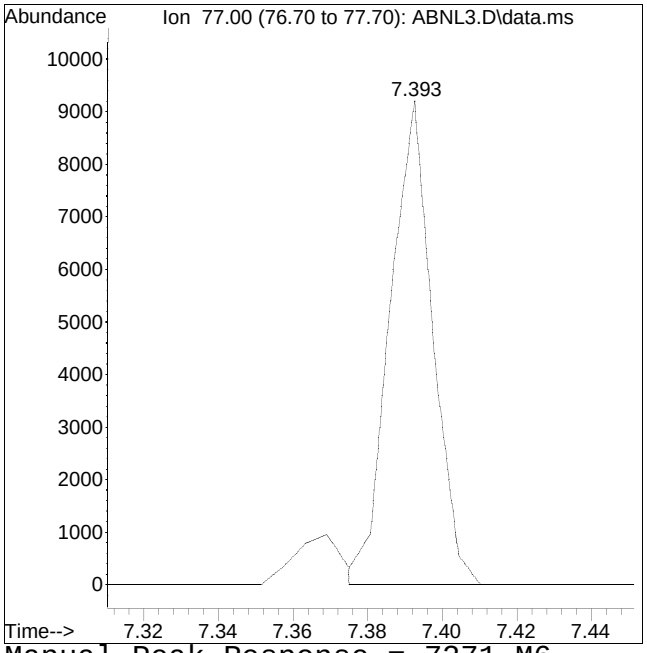
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL3.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:42 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 11877Quant Date : 8/18/2025 5:13 am

Compound #78: Azobenzene



Original Peak Response = 8115



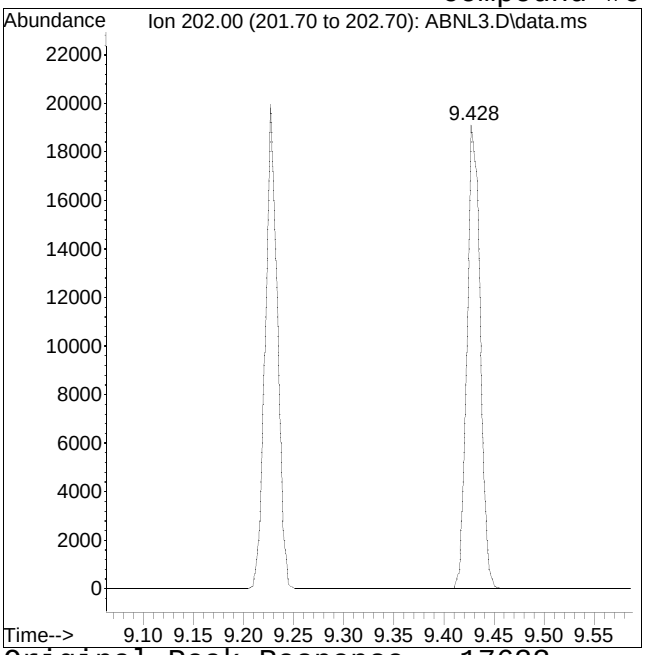
Manual Peak Response = 7271 M6

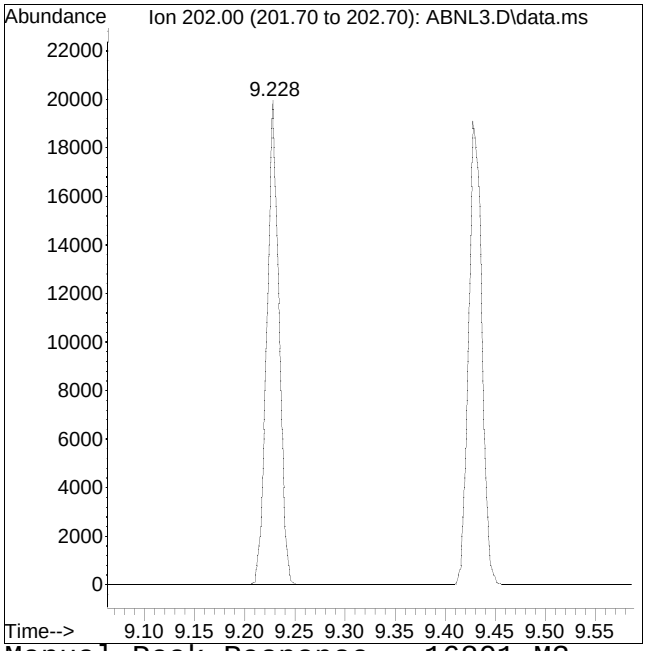
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL3.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:42 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 11877Quant Date : 8/18/2025 5:13 am

Compound #93: Fluoranthene





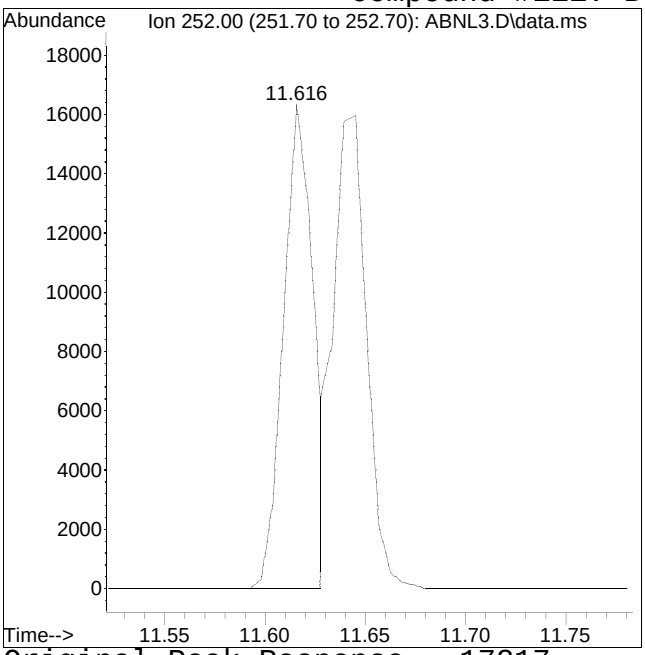
Original Peak Response = 17633 Manual Peak Response = 16801 M3

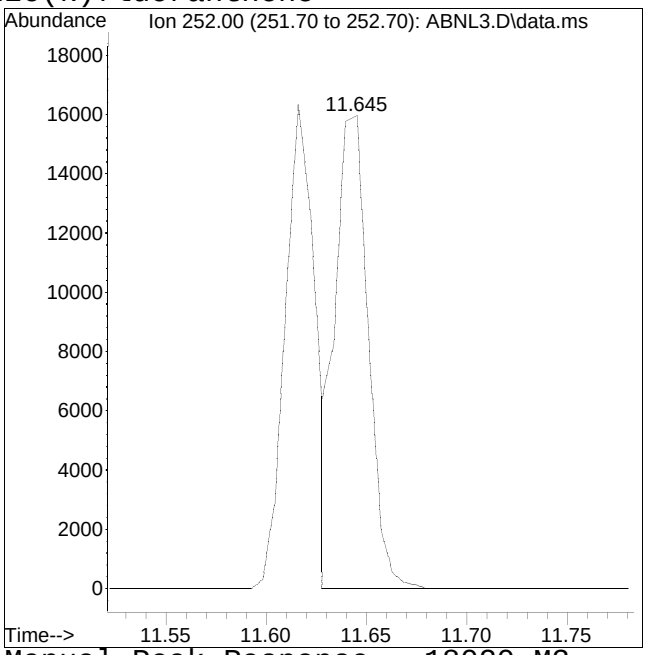
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL3.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:42 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 11877Quant Date : 8/18/2025 5:13 am

Compound #111: Benzo(k)fluoranthene



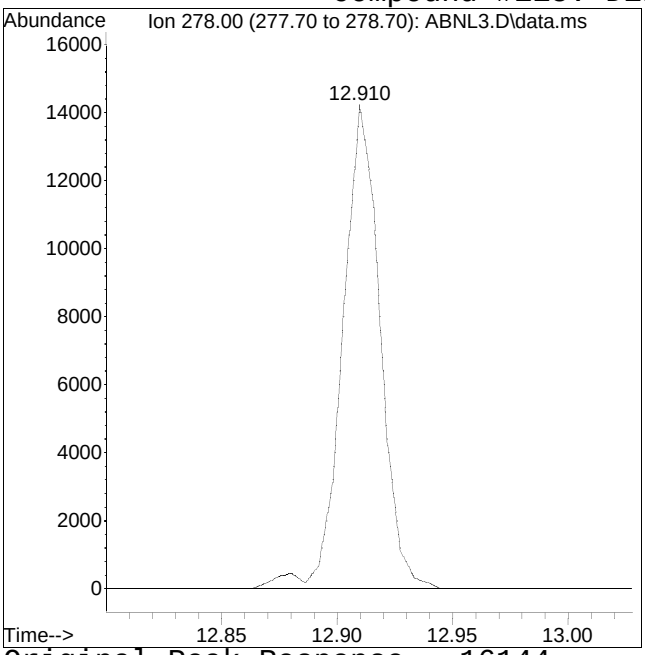


Original Peak Response = 17217 Manual Peak Response = 18020 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

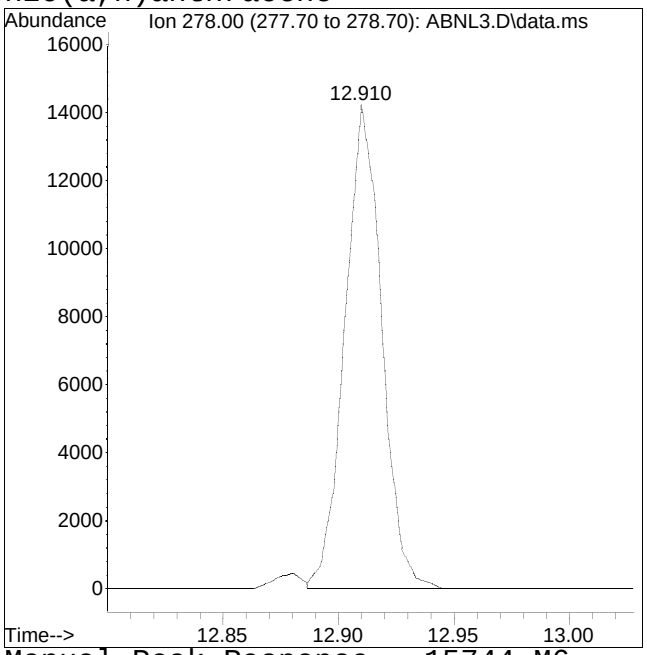
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL3.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:42 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 11877Quant Date : 8/18/2025 5:13 am

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 16144



Manual Peak Response = 15744 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL2.D
Acq On : 17 Aug 2025 09:05 pm
Operator : SV112:slr
Sample : IL9,32,,ABNL0.2 Lot# 11878
Misc : WG2104073,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 05:28:31 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.764	152	18892	4.000	ug/ml	0.00
Standard Area 1 = 18713			Recovery = 100.96%			
35) IS1_Naphthalene-d8	5.011	136	73029	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery = 95.70%			
63) IS1_Acenaphthene-d10	6.687	164	47706	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery = 92.56%			
88) IS1_Phenanthrene-d10	8.081	188	105647	4.000	ug/ml	0.00
Standard Area 1 = 112327			Recovery = 94.05%			
104) IS1_Chrysene-d12	10.599	240	116053	4.000	ug/ml	# 0.00
Standard Area 1 = 124647			Recovery = 93.11%			
113) IS1_Perylene-d12	11.963	264	123106	4.000	ug/ml	0.00
Standard Area 1 = 135022			Recovery = 91.17%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.405	112	751	0.000	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 0.00%#			
7) Phenol-d6	3.493	99	1132	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 0.00%#			
19) Nitrobenzene-d5	4.328	82	1050	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 0.00%#			
46) 2-Fluorobiphenyl	6.087	172	3200	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 0.00%#			
79) 2,4,6-Tribromophenol	7.440	330	501	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 0.00%#			
96) 4-Terphenyl-d14	9.652	244	5427	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.117	74	591	No Calib #		
3) Pyridine	1.170	79	1039	No Calib		
5) Aniline	3.446	93	1201	No Calib #		
6) 2-Chlorophenol	3.558	128	1028	No Calib #		
8) Phenol	3.505	94	1295	No Calib #		
9) Bis(2-chloroethyl)ether	3.552	93	1206	No Calib #		
10) 1,3-Dichlorobenzene	3.699	146	1476	No Calib		
11) 1,4-Dichlorobenzene	3.781	146	1390	No Calib		
12) 1,2-Dichlorobenzene	3.928	146	1459	No Calib		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL2.D
Acq On : 17 Aug 2025 09:05 pm
Operator : SV112:slr
Sample : IL9,32,,ABNL0.2 Lot# 11878
Misc : WG2104073,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 05:28:31 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	3.958	79	843	No	Calib	
14) Bis(2-chloroisopropyl)...	4.111	45	1895	No	Calib	#
15) 2-Methylphenol	4.111	108	926	No	Calib	#
16) Hexachloroethane	4.258	117	507	No	Calib	#
17) n-Nitrosodi-n-propylamine	4.234	70	804	No	Calib	#
18) 3-Methylphenol/4-Methy...	4.275	108	1007	No	Calib	#
20) Nitrobenzene	4.346	77	1054	No	Calib	#
21) Isophorone	4.605	82	2267	No	Calib	#
22) 2-Nitrophenol	4.664	139	384	No	Calib	
23) 2,4-Dimethylphenol	4.781	107	984	No	Calib	#
24) Bis(2-chloroethoxy)met...	4.858	93	1567	No	Calib	#
25) 2,4-Dichlorophenol	4.916	162	812	No	Calib	#
26) 1,2,4-Trichlorobenzene	4.975	180	1315	No	Calib	#
36) Naphthalene	5.028	128	4097	No	Calib	#
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	5.128	65	396	No	Calib	
39) Hexachlorobutadiene	5.199	225	947	No	Calib	
40) p-Chloro-m-cresol	5.652	107	967	No	Calib	#
41) 2-Methylnaphthalene	5.711	142	2349	No	Calib	
42) 1-Methylnaphthalene	5.793	115	947	No	Calib	
43) Hexachlorocyclopentadiene	5.881	237	644	No	Calib	#
44) 2,4,6-Trichlorophenol	6.011	196	706	No	Calib	#
45) 2,4,5-Trichlorophenol	6.040	196	771	No	Calib	#
47) 2-Chloronaphthalene	6.163	162	2714	No	Calib	
48) 2-Nitroaniline	6.293	138	582	No	Calib	#
49) 1,4-Dinitrobenzene	6.428	168	294	No	Calib	
50) 1,3-Dinitrobenzene	6.505	168	305	No	Calib	
51) Dimethyl phthalate	6.511	163	3438	No	Calib	#
52) Acenaphthylene	6.546	152	4284	No	Calib	
53) 2,6-Dinitrotoluene	6.540	165	473	No	Calib	
54) 1,2-Dinitrobenzene	6.575	168	137	No	Calib	
64) 3-Nitroaniline	6.687	138	562	No	Calib	#
65) Acenaphthene	6.716	154	2552	No	Calib	
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	6.887	168	4213	No	Calib	
68) 2,4-Dinitrotoluene	6.922	165	710	No	Calib	#
69) 4-Nitrophenol	6.916	65	432	No	Calib	
70) 2,3,5,6-Tetrachlorophenol	6.993	232	550	No	Calib	#

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL2.D
Acq On : 17 Aug 2025 09:05 pm
Operator : SV112:slr
Sample : IL9,32,,ABNL0.2 Lot# 11878
Misc : WG2104073,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 05:28:31 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2,3,4,6-Tetrachlorophenol	7.034	232	591	No Calib	#	
72) Diethyl phthalate	7.193	149	3465	No Calib	#	
73) Fluorene	7.210	166	3231	No Calib	#	
74) 4-Chlorophenyl phenyl ...	7.246	204	1904	No Calib	#	
75) 4-Nitroaniline	7.258	138	490	No Calib		
76) 4,6-Dinitro-o-cresol	7.299	198	245	No Calib		
77) NDPA/DPA	7.369	169	2633	No Calib		
78) Azobenzene	7.393	77	2890	No Calib		
80) 4-Bromophenyl phenyl e...	7.705	248	1216	No Calib	#	
81) Hexachlorobenzene	7.734	284	1393	No Calib	#	
82) Pentachlorophenol	7.940	266	253	No Calib		
89) Phenanthrene	8.105	178	5808	No Calib		
90) Anthracene	8.152	178	5452	No Calib		
91) Carbazole	8.334	167	4844	No Calib		
92) Di-n-butylphthalate	8.763	149	5230	No Calib	#	
93) Fluoranthene	9.228	202	6643	No Calib		
94) Benzidine	9.410	184	908	No Calib	#	
95) Pyrene	9.428	202	6941	No Calib		
97) Butyl benzyl phthalate	10.175	149	2149	No Calib	#	
105) Benzo(a)anthracene	10.587	228	7171	No Calib		
106) 3,3'-Dichlorobenzidine	10.616	252	2173	No Calib	#	
107) Chrysene	10.622	228	6956	No Calib		
108) Bis(2-ethylhexyl)phtha...	10.793	149	3264	No Calib	#	
109) Di-n-octylphthalate	11.428	149	5069	No Calib	#	
110) Benzo(b)fluoranthene	11.616	252	6823	No Calib		
111) Benzo(k)fluoranthene	11.640	252	6427	No Calib		
112) Benzo(a)pyrene	11.904	252	6120	No Calib	#	
114) Indeno(1,2,3-cd)pyrene	12.875	276	6199	No Calib	#	
115) Dibenzo(a,h)anthracene	12.910	278	5893	No Calib	#	
116) Benzo(ghi)perylene	13.081	276	6475	No Calib	#	

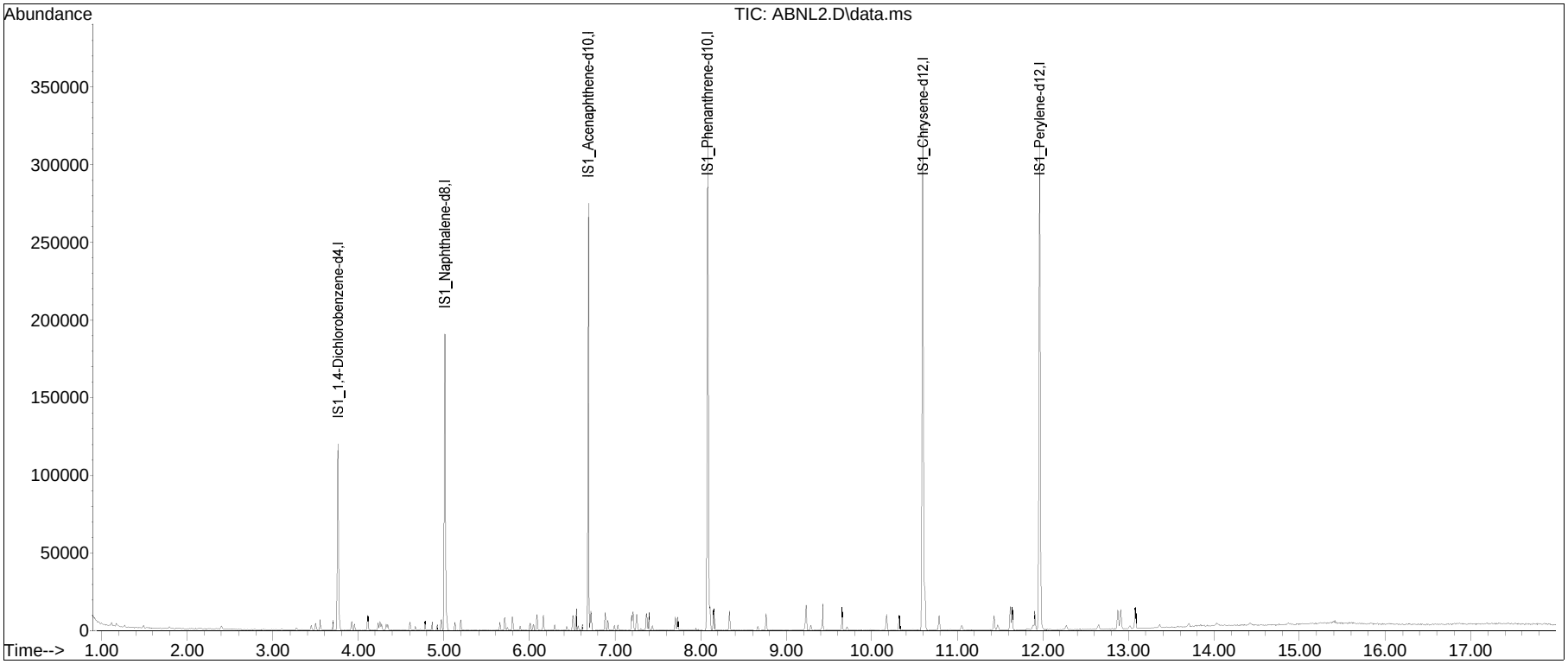
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL2.D
Acq On : 17 Aug 2025 09:05 pm
Operator : SV112:slr
Sample : IL9,32,,ABNL0.2 Lot# 11878
Misc : WG2104073,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 05:28:31 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

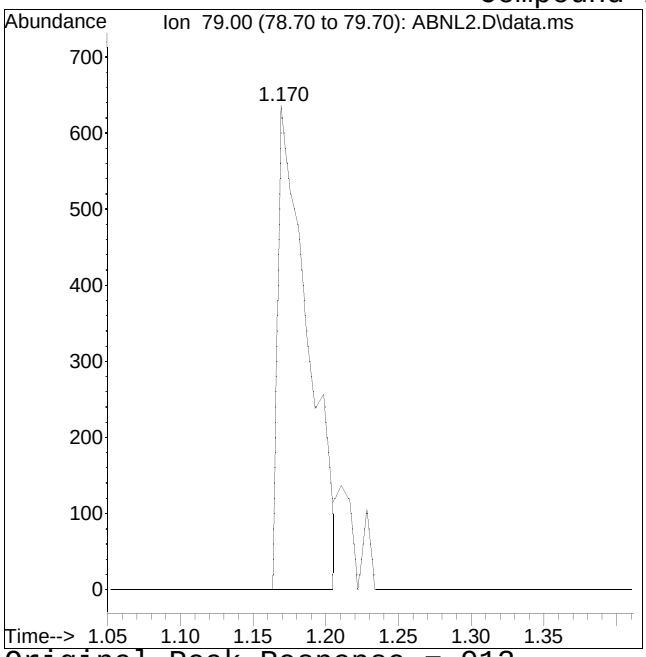
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

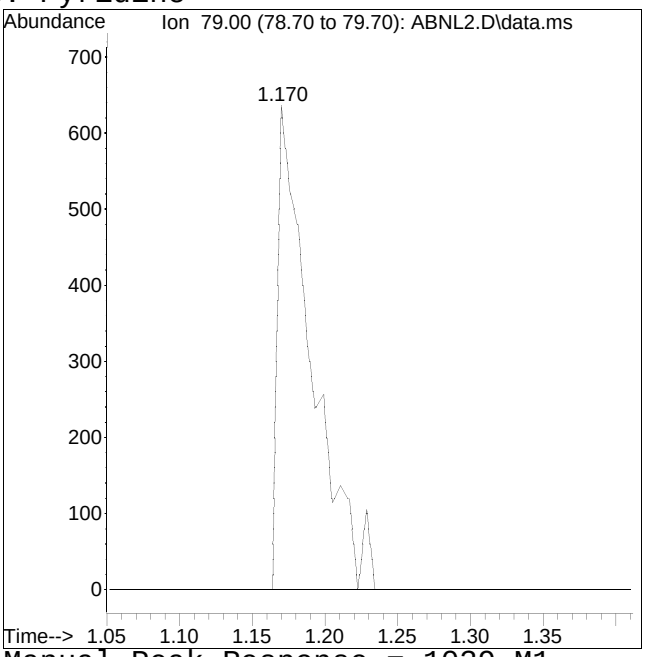


Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878Quant Date : 8/18/2025 5:13 am

Compound #3: Pyridine



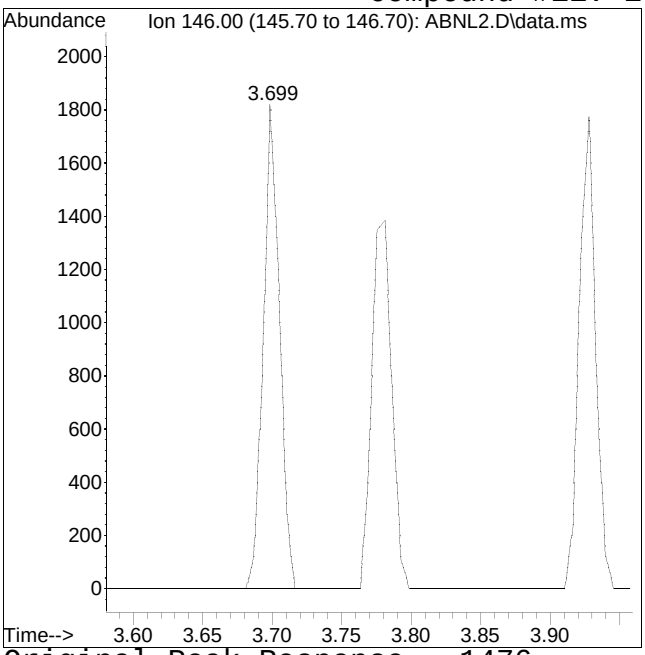


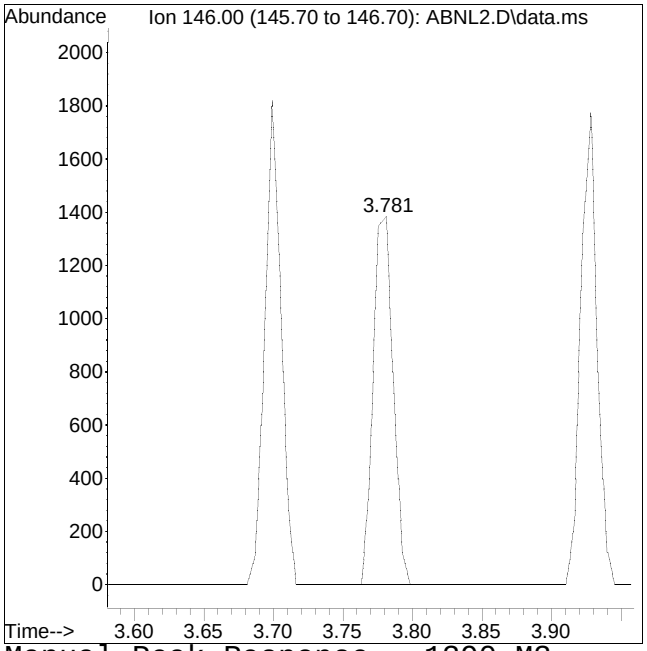
Original Peak Response = 912 Manual Peak Response = 1039 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878Quant Date : 8/18/2025 5:13 am

Compound #11: 1,4-Dichlorobenzene





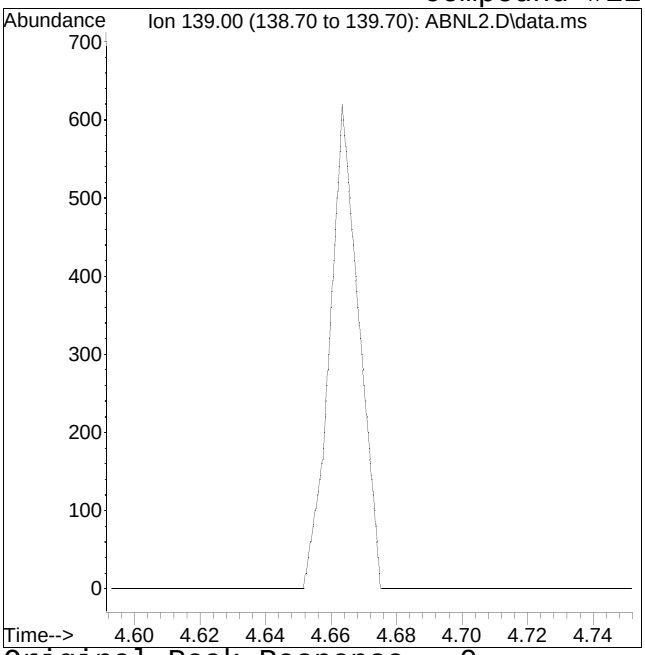
Original Peak Response = 1476 Manual Peak Response = 1390 M3

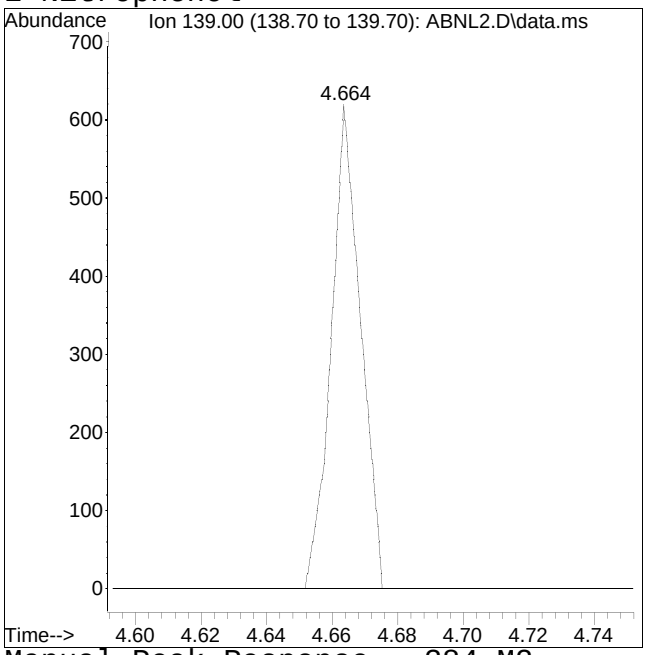
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878Quant Date : 8/18/2025 5:13 am

Compound #22: 2-Nitrophenol



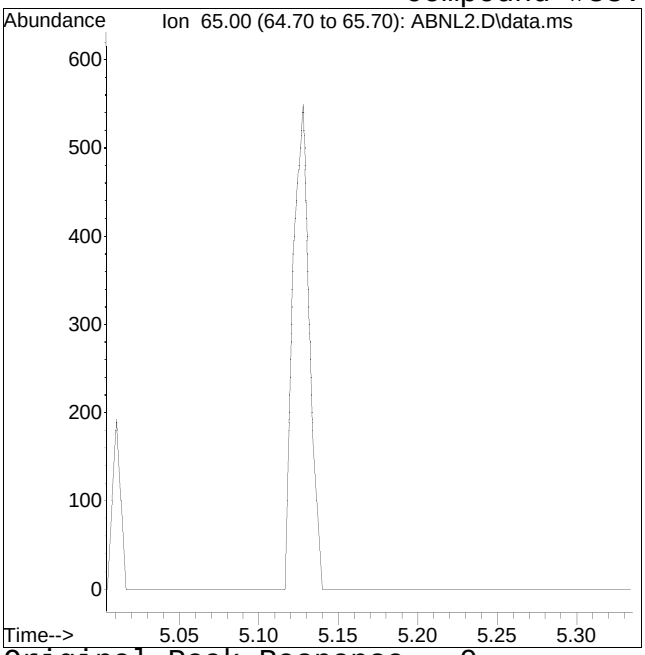


Original Peak Response = 0 Manual Peak Response = 384 M2
M2 = Peak not found by automatic integration algorithm.

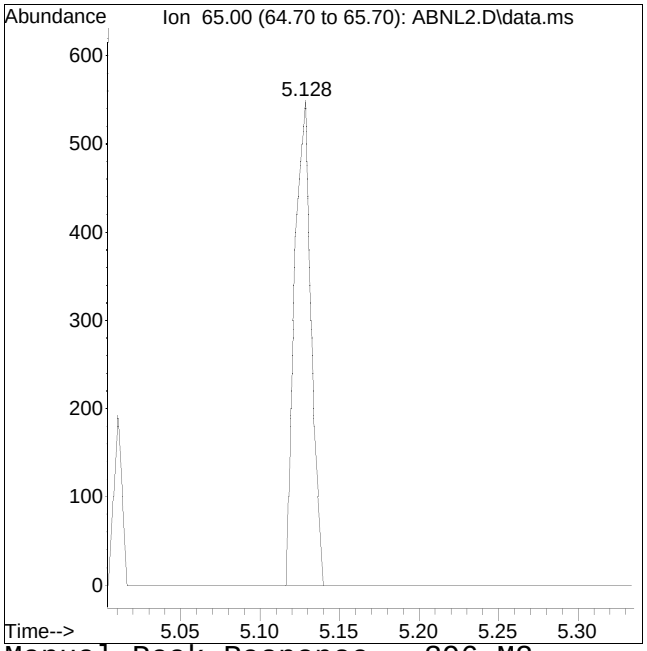
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878Quant Date : 8/18/2025 5:13 am

Compound #38: 4-Chloroaniline



Original Peak Response = 0



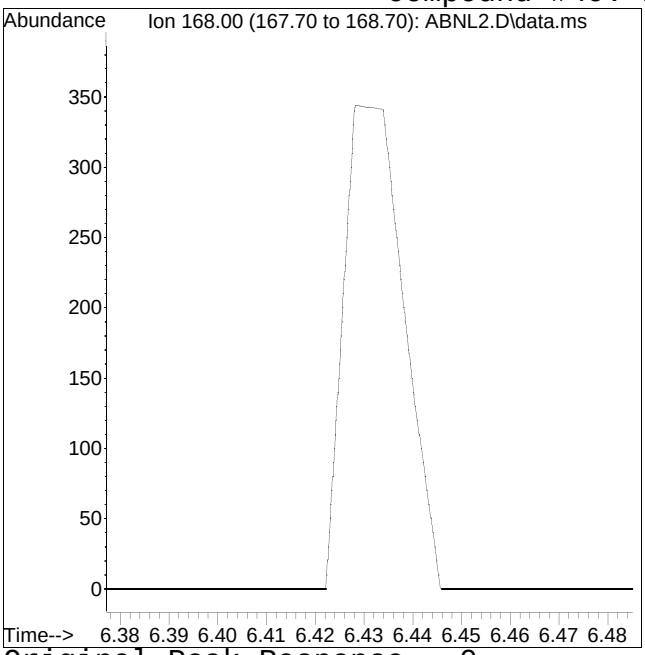
Manual Peak Response = 396 M2

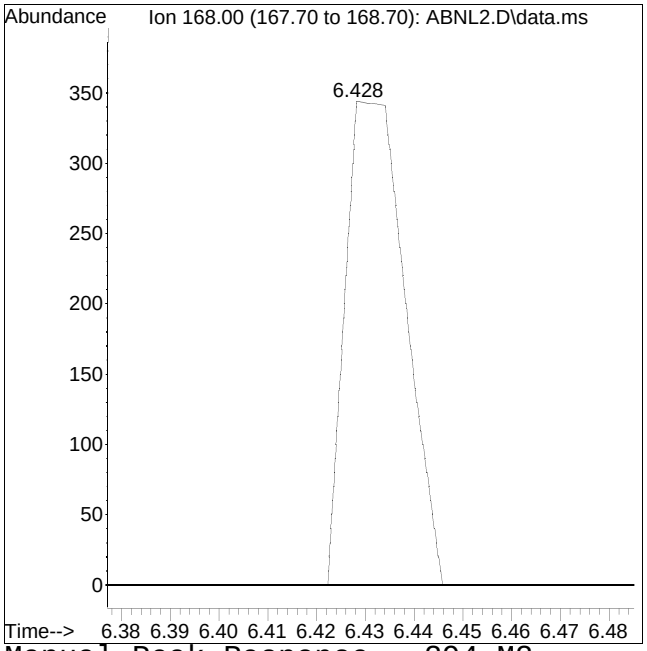
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878Quant Date : 8/18/2025 5:13 am

Compound #49: 1,4-Dinitrobenzene



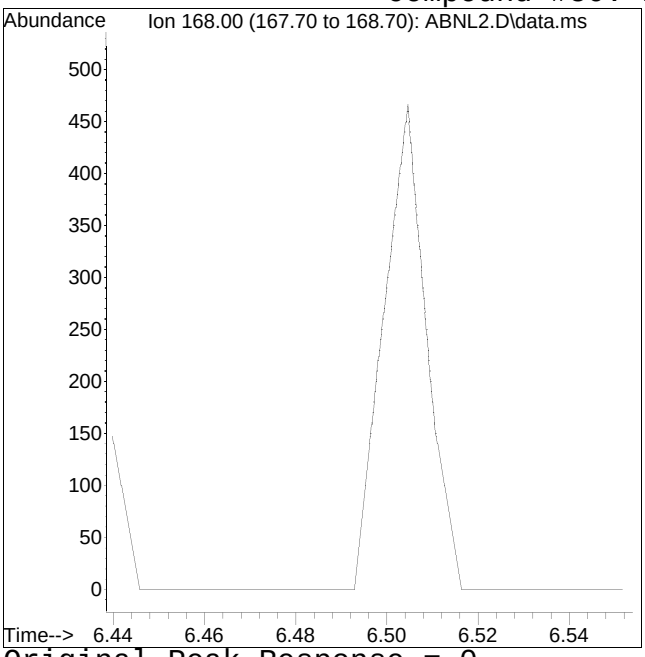


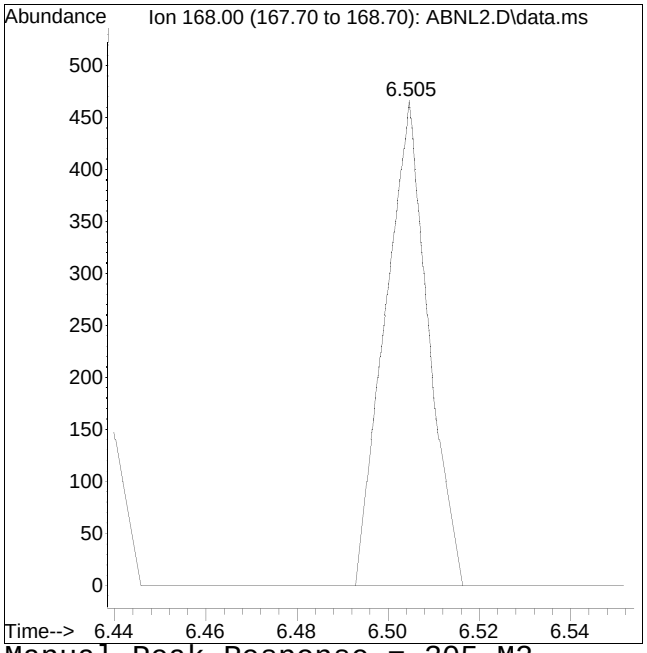
Original Peak Response = 0 Manual Peak Response = 294 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878Quant Date : 8/18/2025 5:13 am

Compound #50: 1,3-Dinitrobenzene



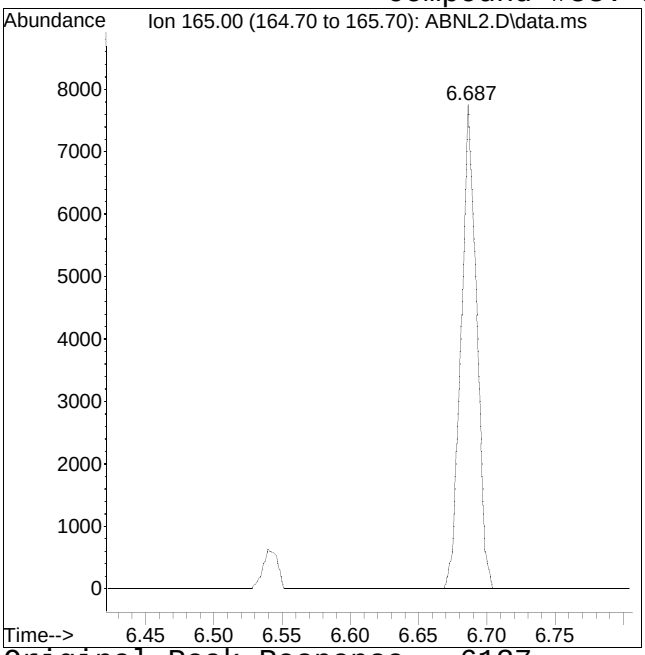


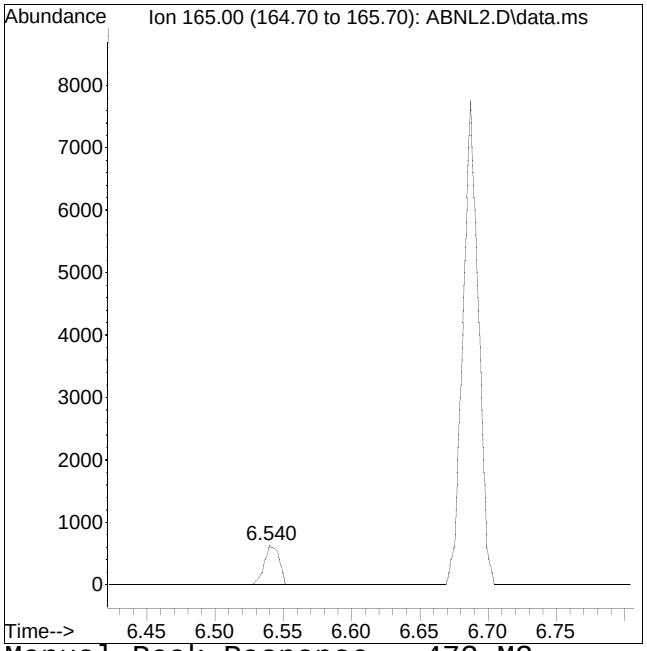
Original Peak Response = 0 Manual Peak Response = 305 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878Quant Date : 8/18/2025 5:13 am

Compound #53: 2,6-Dinitrotoluene





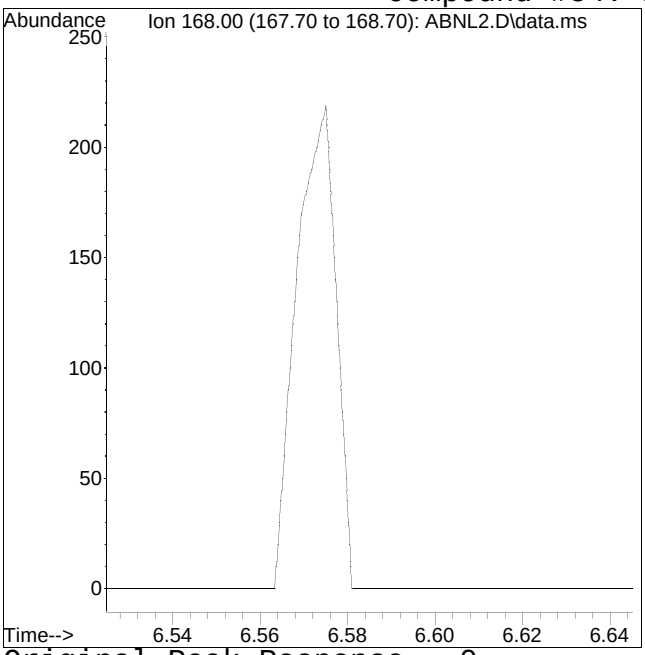
Original Peak Response = 6137 Manual Peak Response = 473 M3

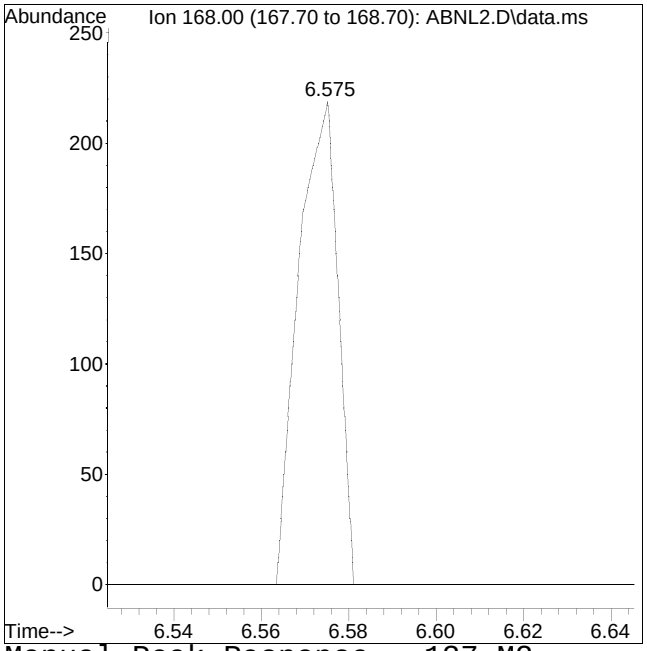
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878Quant Date : 8/18/2025 5:13 am

Compound #54: 1,2-Dinitrobenzene



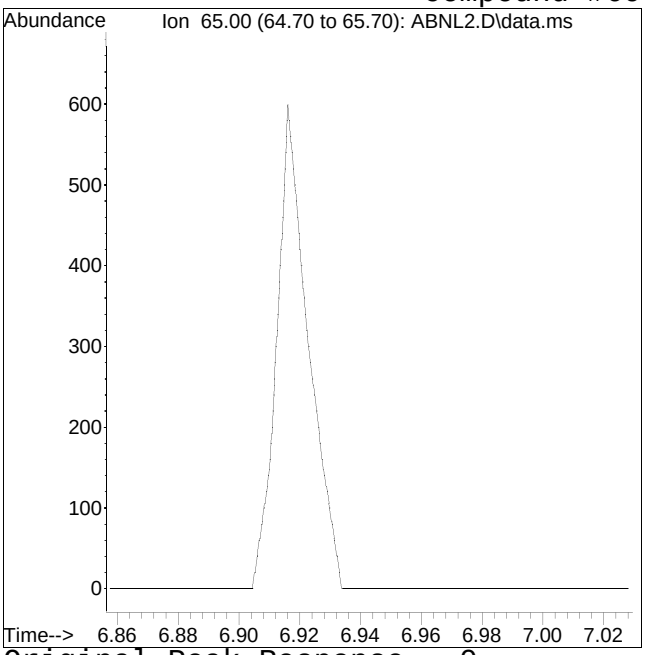


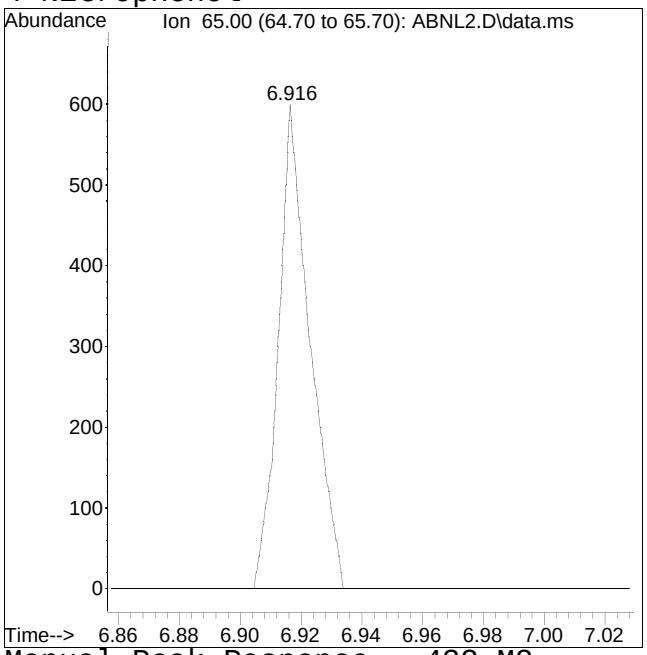
Original Peak Response = 0 Manual Peak Response = 137 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878Quant Date : 8/18/2025 5:13 am

Compound #69: 4-Nitrophenol



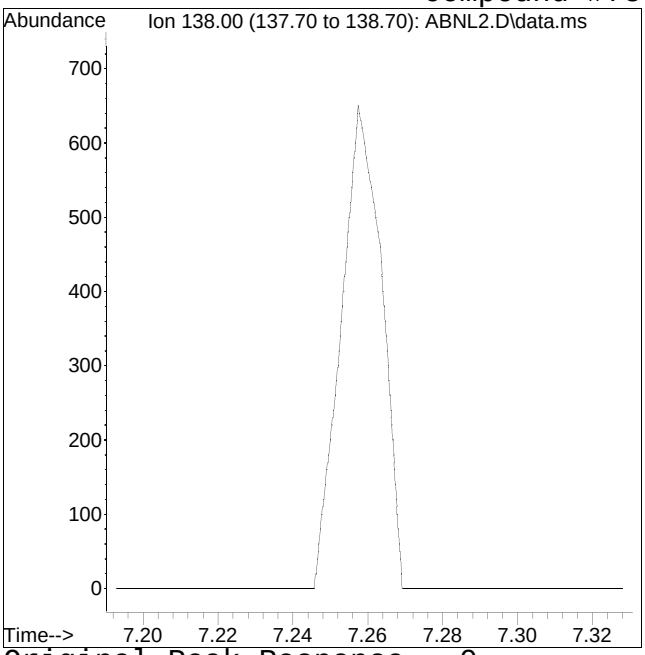


Original Peak Response = 0 Manual Peak Response = 432 M2
M2 = Peak not found by automatic integration algorithm.

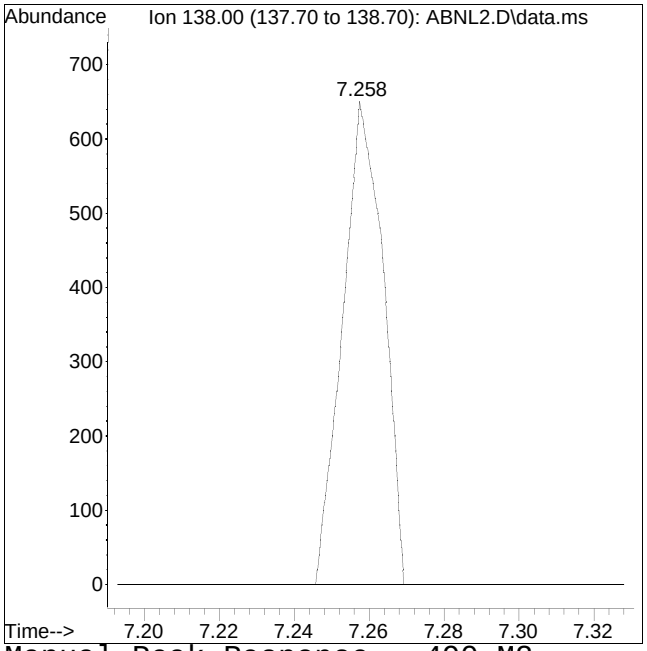
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878Quant Date : 8/18/2025 5:13 am

Compound #75: 4-Nitroaniline



Original Peak Response = 0



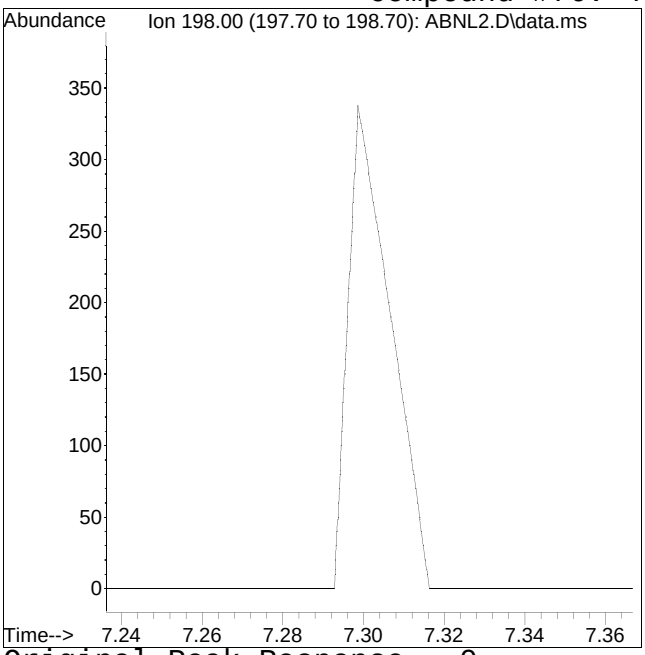
Manual Peak Response = 490 M2

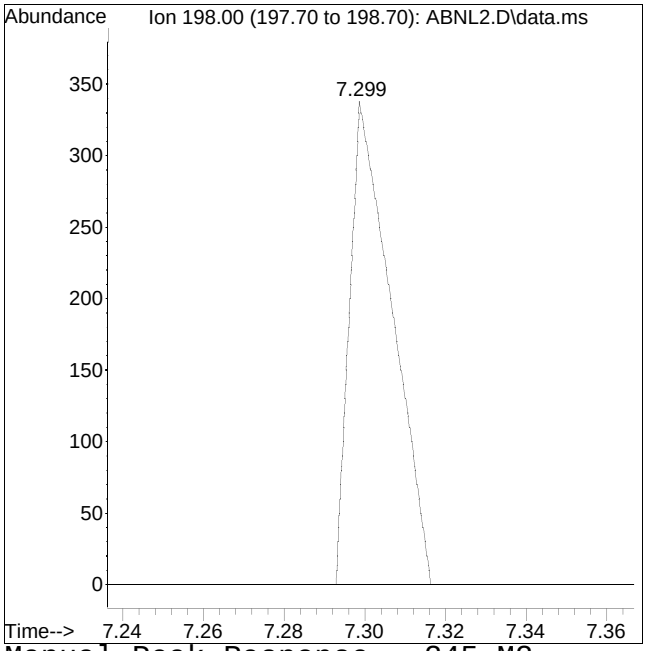
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878Quant Date : 8/18/2025 5:13 am

Compound #76: 4,6-Dinitro-o-cresol



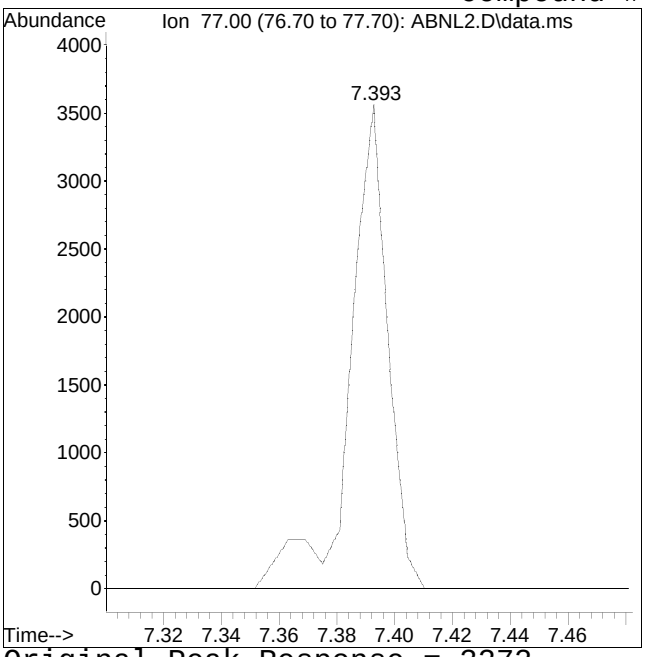


Original Peak Response = 0 Manual Peak Response = 245 M2
M2 = Peak not found by automatic integration algorithm.

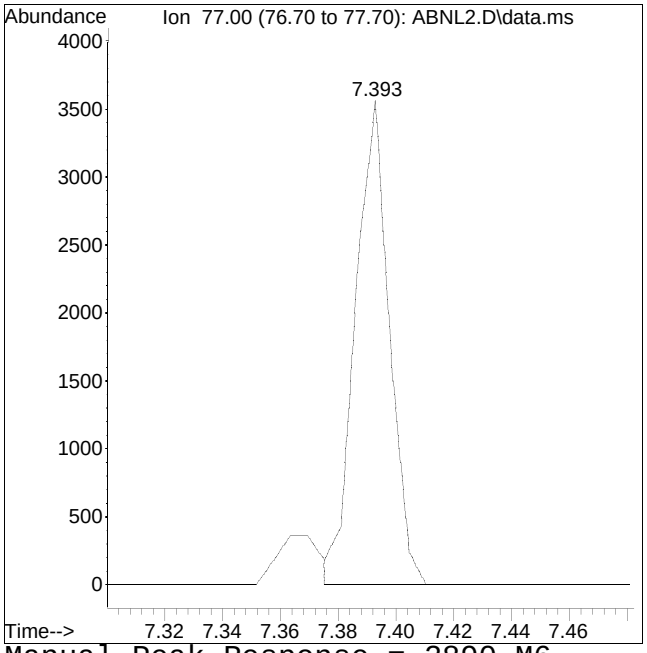
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878Quant Date : 8/18/2025 5:13 am

Compound #78: Azobenzene



Original Peak Response = 3272



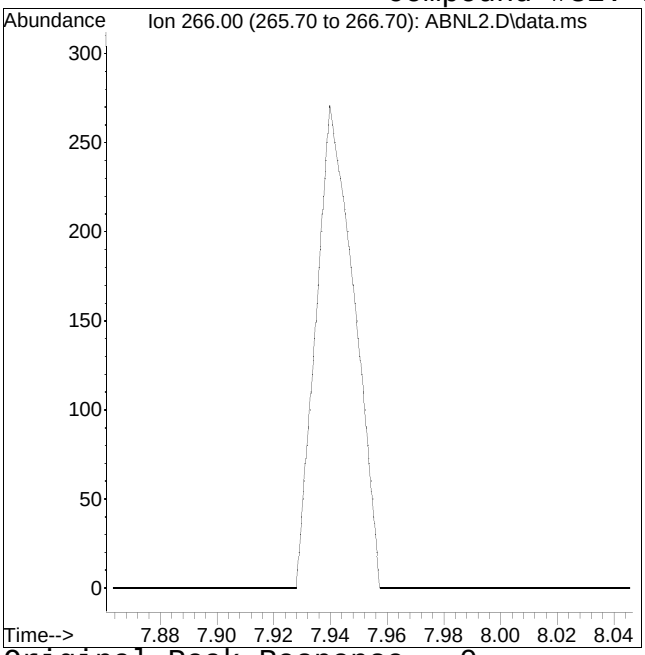
Manual Peak Response = 2890 M6

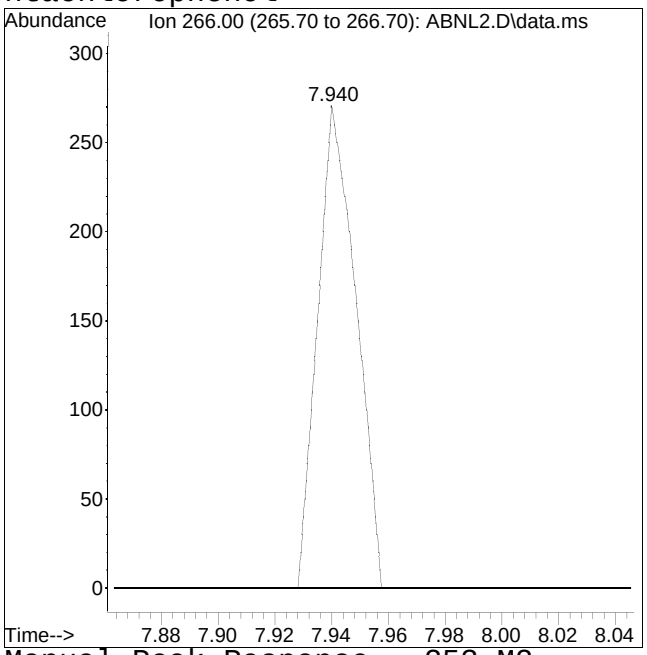
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878Quant Date : 8/18/2025 5:13 am

Compound #82: Pentachlorophenol



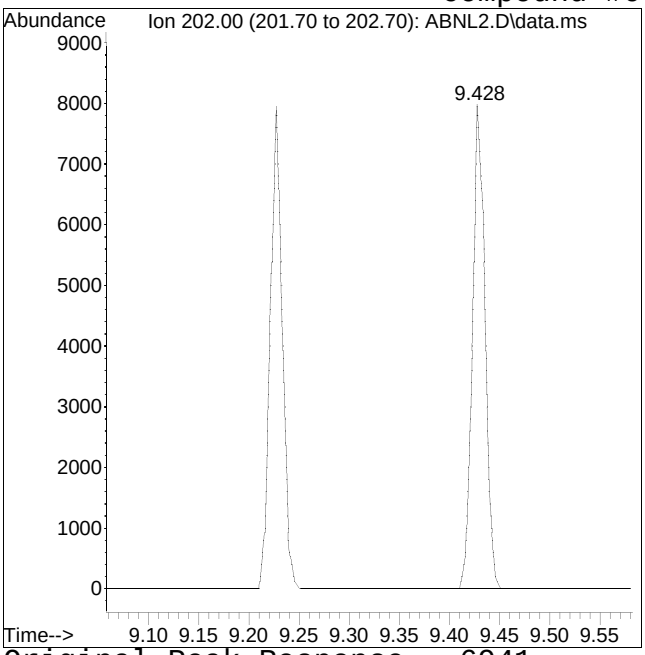


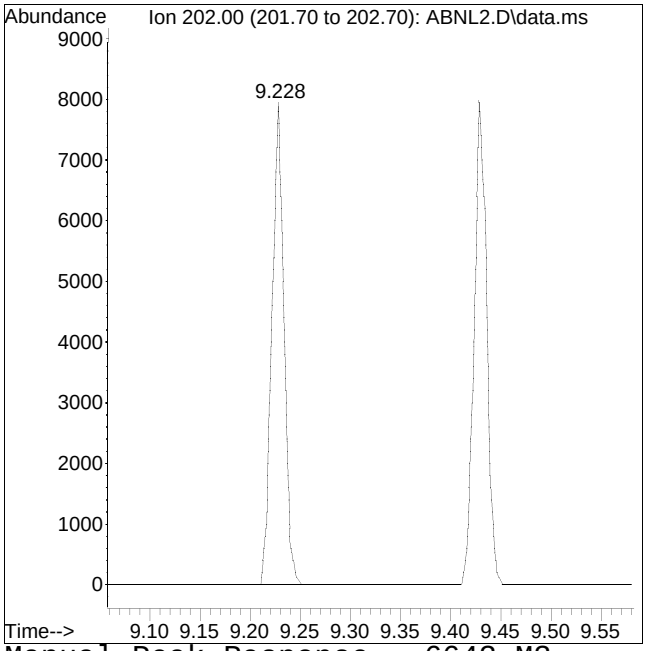
Original Peak Response = 0 Manual Peak Response = 253 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878Quant Date : 8/18/2025 5:13 am

Compound #93: Fluoranthene





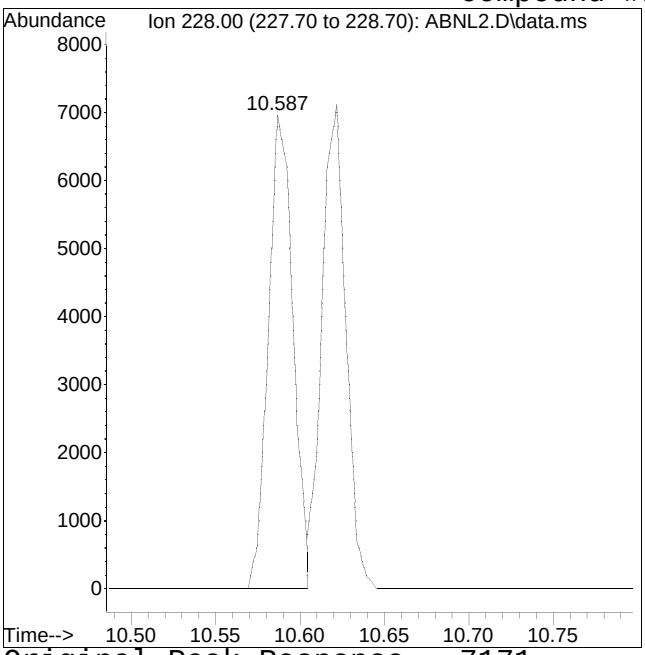
Original Peak Response = 6941 Manual Peak Response = 6643 M3

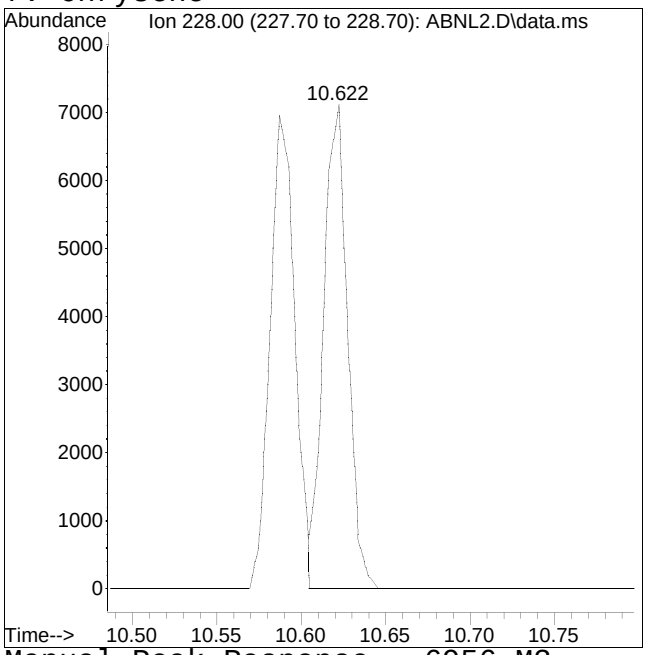
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878Quant Date : 8/18/2025 5:13 am

Compound #107: Chrysene



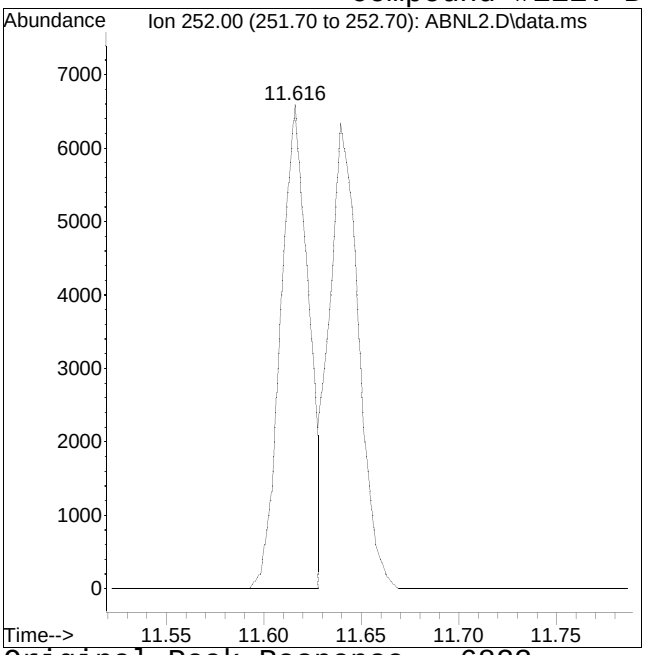


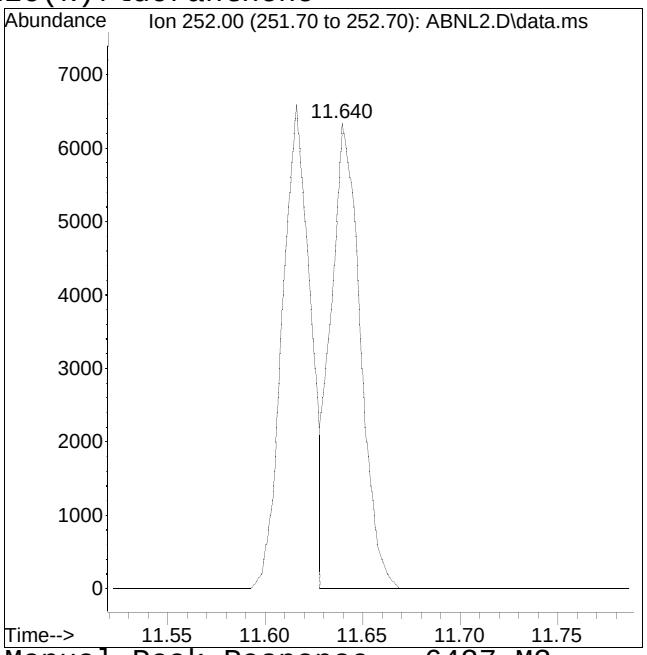
Original Peak Response = 7171 Manual Peak Response = 6956 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878Quant Date : 8/18/2025 5:13 am

Compound #111: Benzo(k)fluoranthene





Original Peak Response = 6823 Manual Peak Response = 6427 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL1.D
Acq On : 17 Aug 2025 09:27 pm
Operator : SV112:slr
Sample : IL10,32,,ABNL0.1 Lot# 11879
Misc : WG2104073,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 18 05:26:53 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.763	152	18771	4.000	ug/ml	0.00
Standard Area 1 = 18713			Recovery = 100.31%			
35) IS1_Naphthalene-d8	5.010	136	71989	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery = 94.34%			
63) IS1_Acenaphthene-d10	6.687	164	45837	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery = 88.94%			
88) IS1_Phenanthrene-d10	8.081	188	102109	4.000	ug/ml	# 0.00
Standard Area 1 = 112327			Recovery = 90.90%			
104) IS1_Chrysene-d12	10.598	240	111302	4.000	ug/ml	# 0.00
Standard Area 1 = 124647			Recovery = 89.29%			
113) IS1_Perylene-d12	11.963	264	119652	4.000	ug/ml	0.00
Standard Area 1 = 135022			Recovery = 88.62%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.411	112	497M2	0.000	ug/ml	0.02
Spiked Amount 2.000	Range 15 - 110		Recovery = 0.00%#			
7) Phenol-d6	3.493	99	517	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 0.00%#			
19) Nitrobenzene-d5	4.328	82	555	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 0.00%#			
46) 2-Fluorobiphenyl	6.087	172	1639	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 0.00%#			
79) 2,4,6-Tribromophenol	7.446	330	167M2	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 0.00%#			
96) 4-Terphenyl-d14	9.651	244	2870	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.122	74	343	No Calib		
3) Pyridine	1.181	79	471	No Calib		
5) Aniline	3.552	93	638	No Calib #		
6) 2-Chlorophenol	3.558	128	504	No Calib #		
8) Phenol	3.505	94	625	No Calib #		
9) Bis(2-chloroethyl)ether	3.552	93	638	No Calib #		
10) 1,3-Dichlorobenzene	3.699	146	726	No Calib #		

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL1.D
Acq On : 17 Aug 2025 09:27 pm
Operator : SV112:slr
Sample : IL10,32,,ABNL0.1 Lot# 11879
Misc : WG2104073,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 18 05:26:53 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
11) 1,4-Dichlorobenzene	3.781	146	788	No Calib	#	
12) 1,2-Dichlorobenzene	3.928	146	740	No Calib	#	
13) Benzyl alcohol	3.958	79	356	No Calib		
14) Bis(2-chloroisopropyl)...	4.111	45	922	No Calib	#	
15) 2-Methylphenol	4.111	108	420	No Calib		
16) Hexachloroethane	4.258	117	238	No Calib		
17) n-Nitrosodi-n-propylamine	4.240	70	432	No Calib		
18) 3-Methylphenol/4-Methy...	4.275	108	512	No Calib	#	
20) Nitrobenzene	4.346	77	574	No Calib	#	
21) Isophorone	4.605	82	1236	No Calib	#	
22) 2-Nitrophenol	4.663	139	225	No Calib		
23) 2,4-Dimethylphenol	4.781	107	494	No Calib		
24) Bis(2-chloroethoxy)met...	4.858	93	771	No Calib	#	
25) 2,4-Dichlorophenol	4.916	162	428	No Calib		
26) 1,2,4-Trichlorobenzene	4.975	180	730	No Calib	#	
36) Naphthalene	5.028	128	1981	No Calib	#	
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	5.128	65	230	No Calib		
39) Hexachlorobutadiene	5.199	225	471	No Calib		
40) p-Chloro-m-cresol	5.652	107	434	No Calib		
41) 2-Methylnaphthalene	5.710	142	1199	No Calib	#	
42) 1-Methylnaphthalene	5.799	115	547	No Calib		
43) Hexachlorocyclopentadiene	5.881	237	244	No Calib		
44) 2,4,6-Trichlorophenol	6.010	196	402	No Calib		
45) 2,4,5-Trichlorophenol	6.040	196	385	No Calib		
47) 2-Chloronaphthalene	6.163	162	1351	No Calib	#	
48) 2-Nitroaniline	6.299	138	317	No Calib		
49) 1,4-Dinitrobenzene	6.428	168	144	No Calib		
50) 1,3-Dinitrobenzene	6.505	168	120	No Calib		
51) Dimethyl phthalate	6.510	163	1608	No Calib	#	
52) Acenaphthylene	6.546	152	2214	No Calib	#	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
54) 1,2-Dinitrobenzene	6.528		0	N.D.		
64) 3-Nitroaniline	6.687	138	247	No Calib		
65) Acenaphthene	6.716	154	1271	No Calib		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	6.887	168	2184	No Calib		
68) 2,4-Dinitrotoluene	6.916	165	349	No Calib		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL1.D
Acq On : 17 Aug 2025 09:27 pm
Operator : SV112:slr
Sample : IL10,32,,ABNL0.1 Lot# 11879
Misc : WG2104073,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 18 05:26:53 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) 4-Nitrophenol	6.922	65	147	No	Calib	
70) 2,3,5,6-Tetrachlorophenol	6.993	232	269	No	Calib	
71) 2,3,4,6-Tetrachlorophenol	7.034	232	315	No	Calib	
72) Diethyl phthalate	7.193	149	1771	No	Calib	#
73) Fluorene	7.210	166	1868	No	Calib	#
74) 4-Chlorophenyl phenyl ...	7.252	204	980	No	Calib	#
75) 4-Nitroaniline	7.263	138	207	No	Calib	
76) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
77) NDPA/DPA	7.369	169	1416	No	Calib	
78) Azobenzene	7.393	77	1347	No	Calib	
80) 4-Bromophenyl phenyl e...	7.704	248	555	No	Calib	#
81) Hexachlorobenzene	7.734	284	796	No	Calib	#
82) Pentachlorophenol	0.000		0		N.D.	d
89) Phenanthrene	8.104	178	2915	No	Calib	#
90) Anthracene	8.151	178	2877	No	Calib	#
91) Carbazole	8.334	167	2347	No	Calib	#
92) Di-n-butylphthalate	8.763	149	2722	No	Calib	#
93) Fluoranthene	9.228	202	3513	No	Calib	
94) Benzidine	0.000		0		N.D.	
95) Pyrene	9.428	202	3354	No	Calib	
97) Butyl benzyl phthalate	10.175	149	1040	No	Calib	#
105) Benzo(a)anthracene	10.587	228	4007	No	Calib	
106) 3,3'-Dichlorobenzidine	10.622	252	1199	No	Calib	#
107) Chrysene	10.622	228	3613	No	Calib	
108) Bis(2-ethylhexyl)phtha...	10.793	149	1659	No	Calib	#
109) Di-n-octylphthalate	11.428	149	2632	No	Calib	#
110) Benzo(b)fluoranthene	11.616	252	3710	No	Calib	#
111) Benzo(k)fluoranthene	11.640	252	3551	No	Calib	
112) Benzo(a)pyrene	11.904	252	3169	No	Calib	#
114) Indeno(1,2,3-cd)pyrene	12.875	276	3021	No	Calib	
115) Dibenzo(a,h)anthracene	12.910	278	2930	No	Calib	
116) Benzo(ghi)perylene	13.081	276	3157	No	Calib	

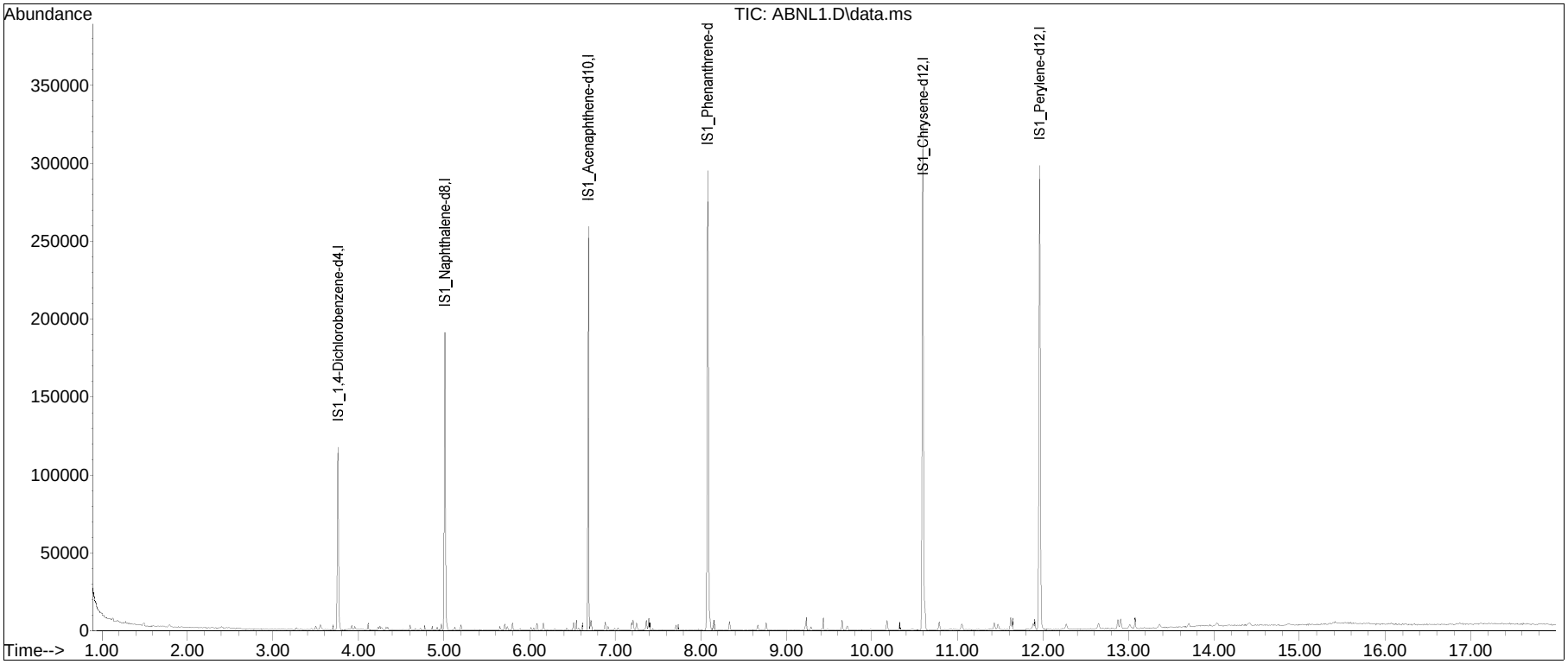
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL1.D
Acq On : 17 Aug 2025 09:27 pm
Operator : SV112:slr
Sample : IL10,32,,ABNL0.1 Lot# 11879
Misc : WG2104073,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 18 05:26:53 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

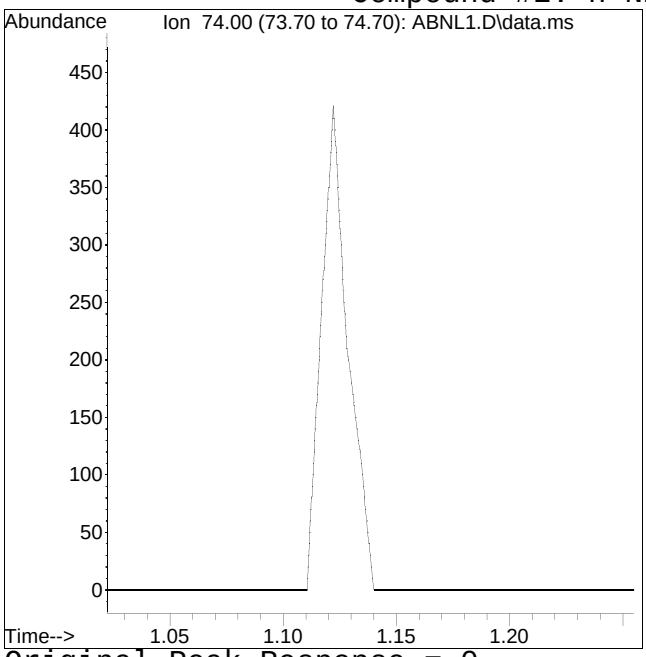
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•



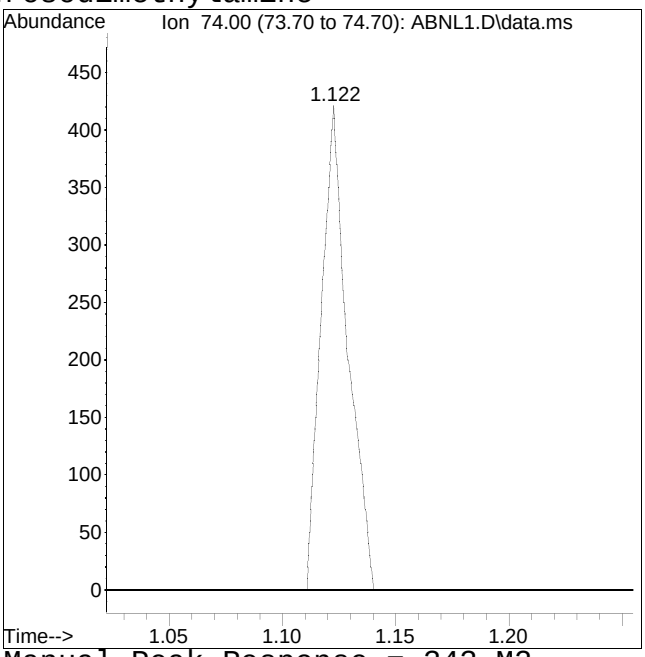
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #2: n-Nitrosodimethylamine



Original Peak Response = 0



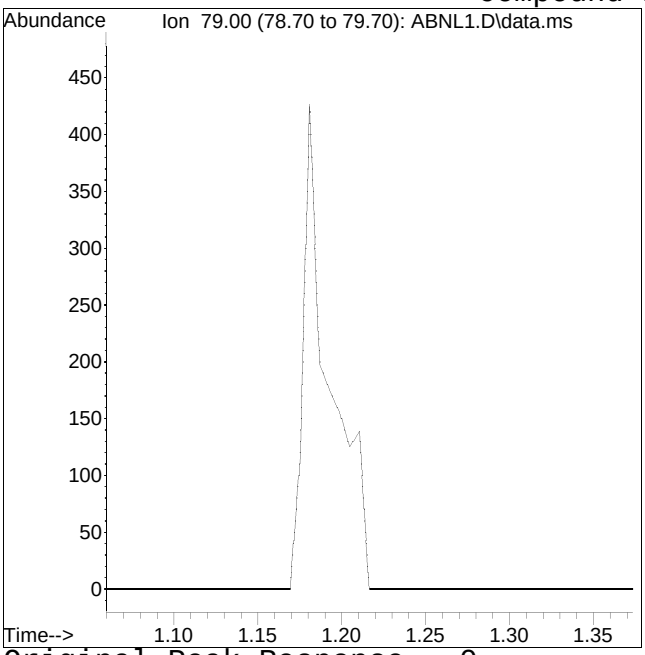
Manual Peak Response = 343 M2

M2 = Peak not found by automatic integration algorithm.

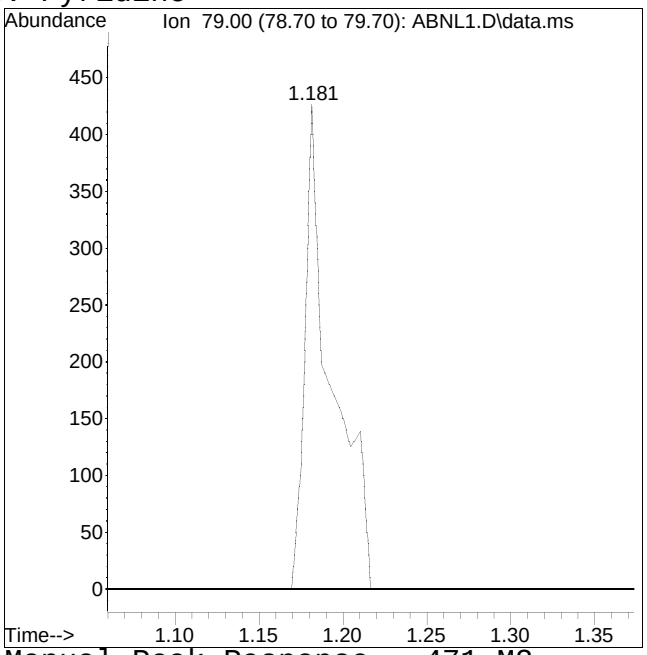
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #3: Pyridine



Original Peak Response = 0



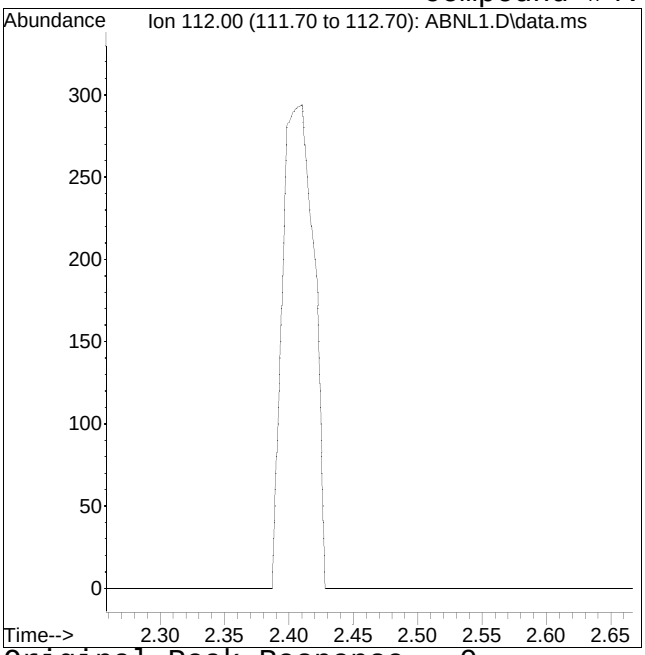
Manual Peak Response = 471 M2

M2 = Peak not found by automatic integration algorithm.

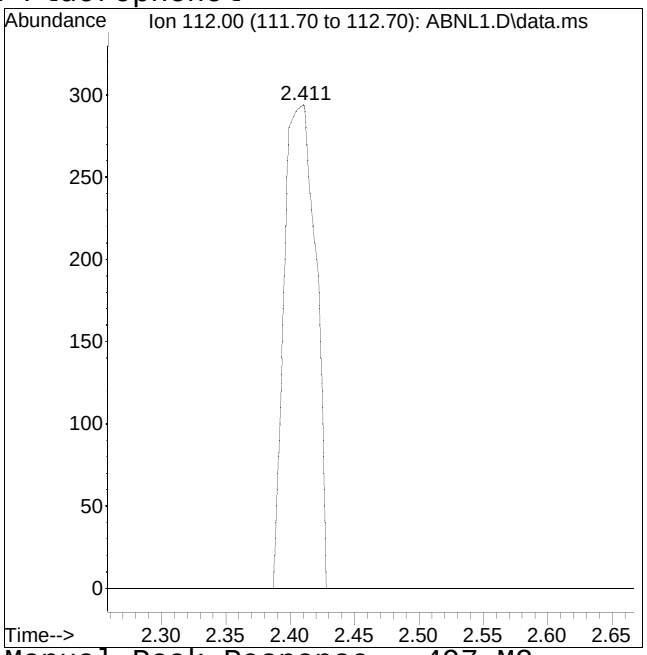
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #4: 2-Fluorophenol



Original Peak Response = 0



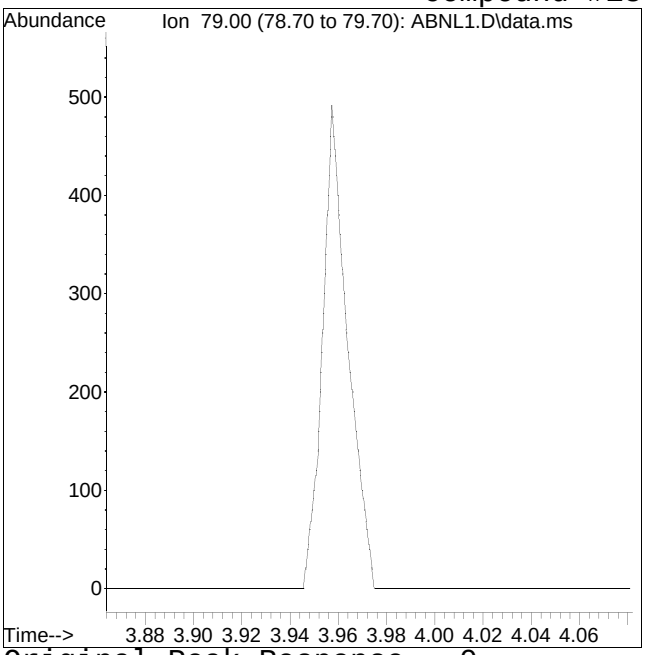
Manual Peak Response = 497 M2

M2 = Peak not found by automatic integration algorithm.

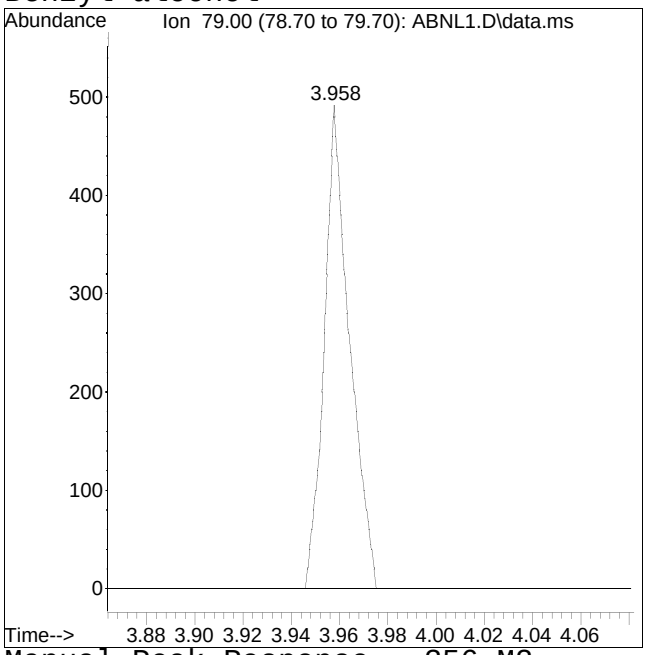
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #13: Benzyl alcohol



Original Peak Response = 0



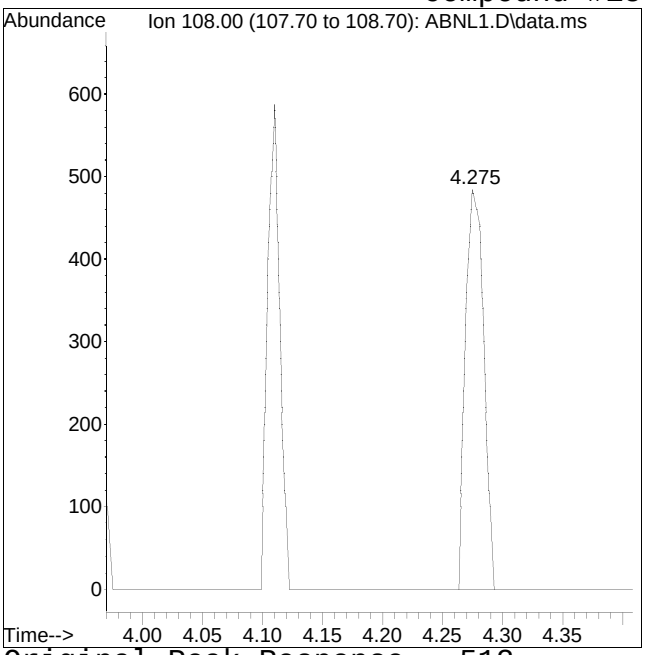
Manual Peak Response = 356 M2

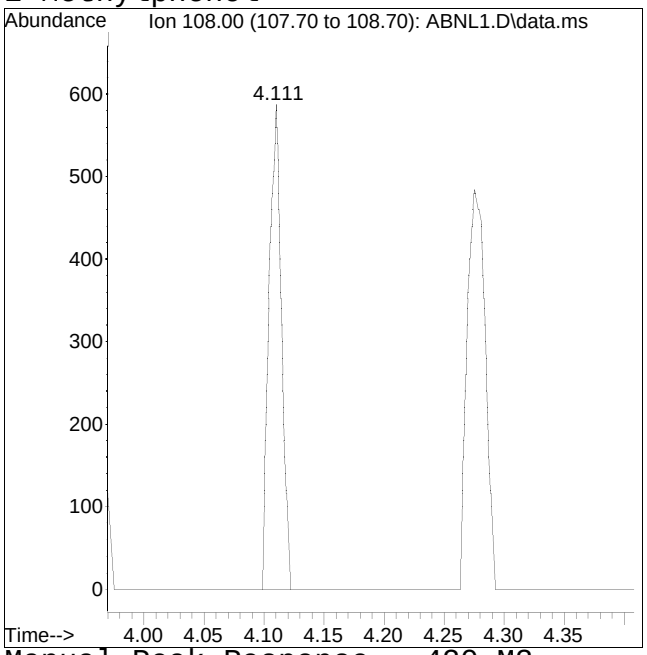
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #15: 2-Methylphenol





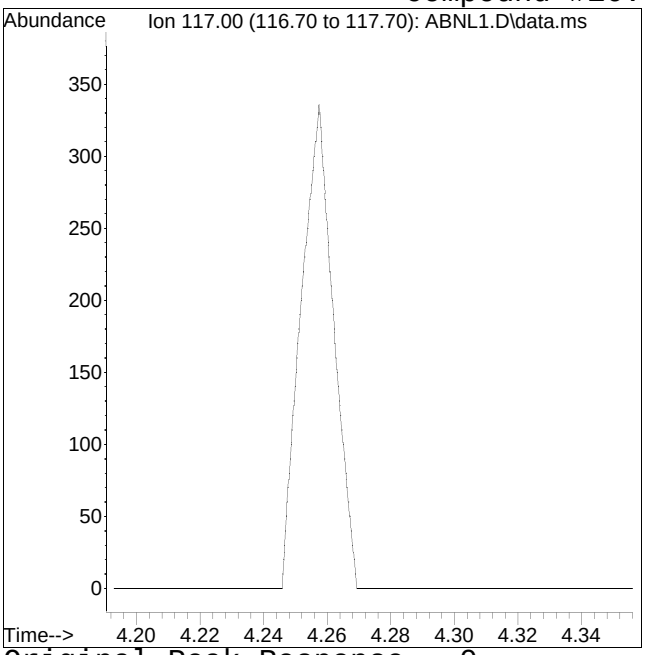
Original Peak Response = 512 Manual Peak Response = 420 M3

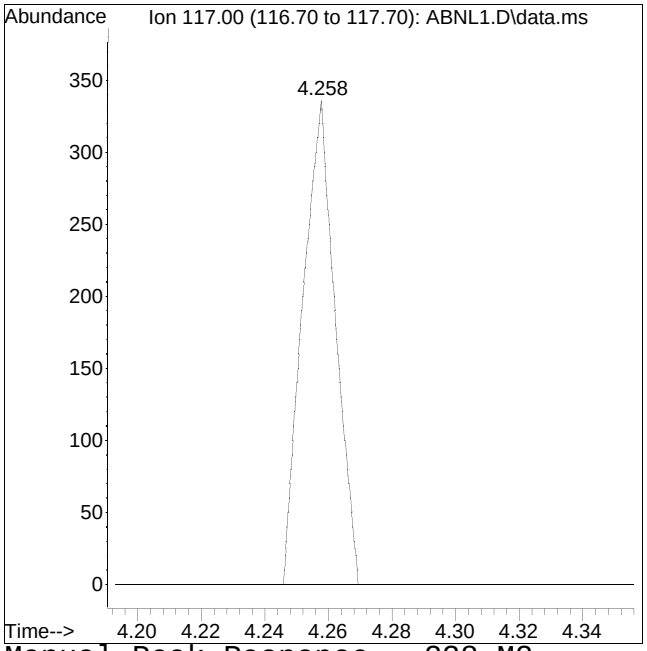
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #16: Hexachloroethane



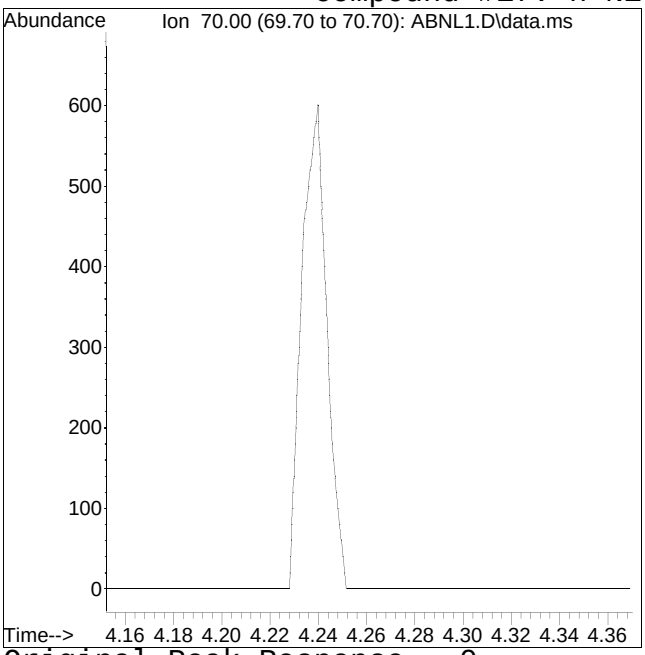


Original Peak Response = 0 Manual Peak Response = 238 M2
M2 = Peak not found by automatic integration algorithm.

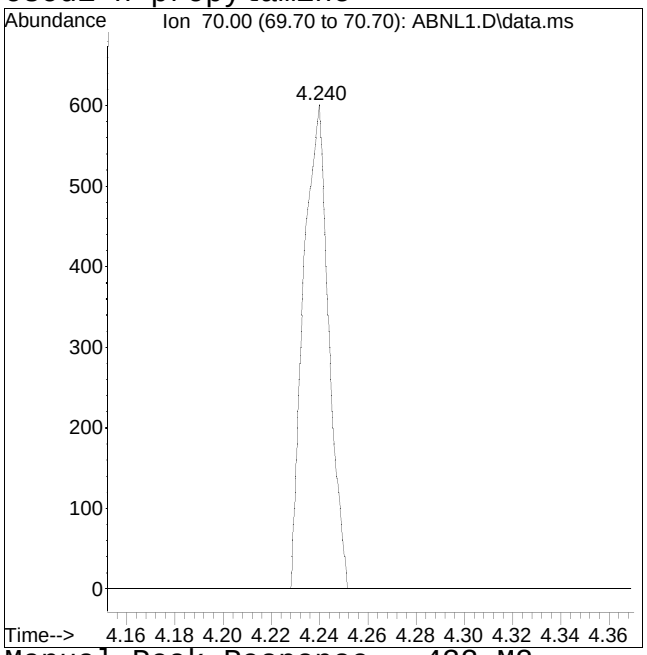
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #17: n-Nitrosodi-n-propylamine



Original Peak Response = 0



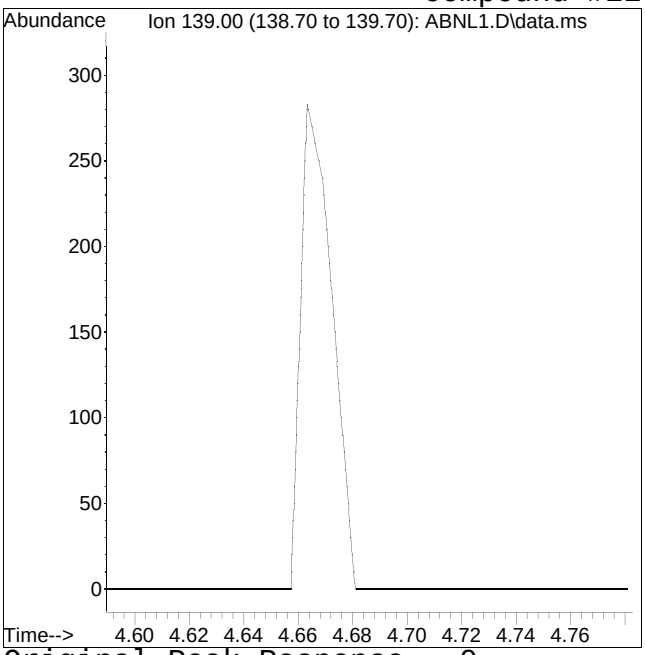
Manual Peak Response = 432 M2

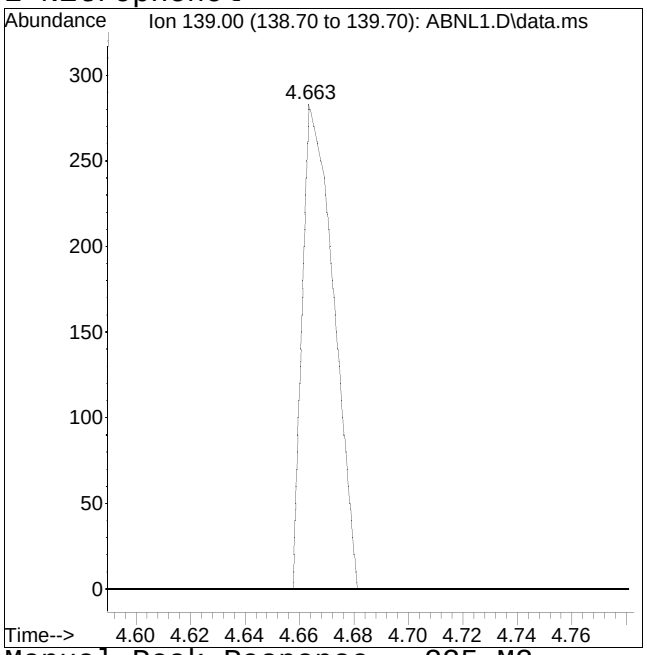
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #22: 2-Nitrophenol



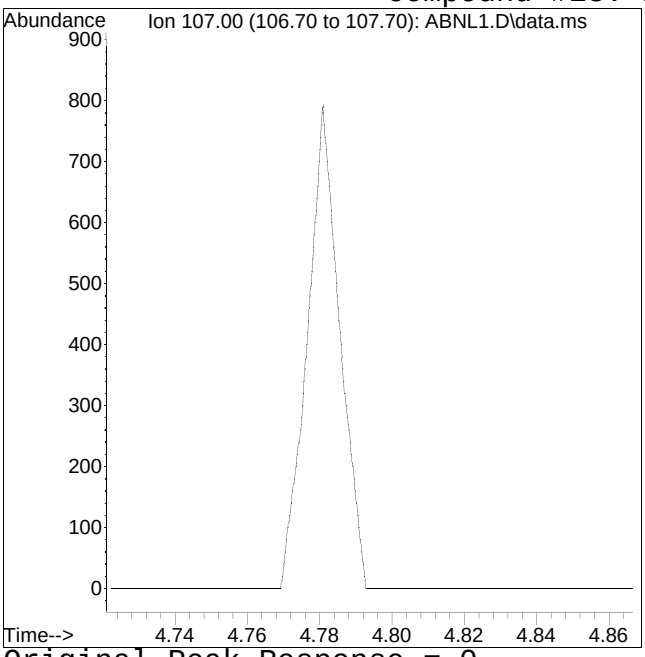


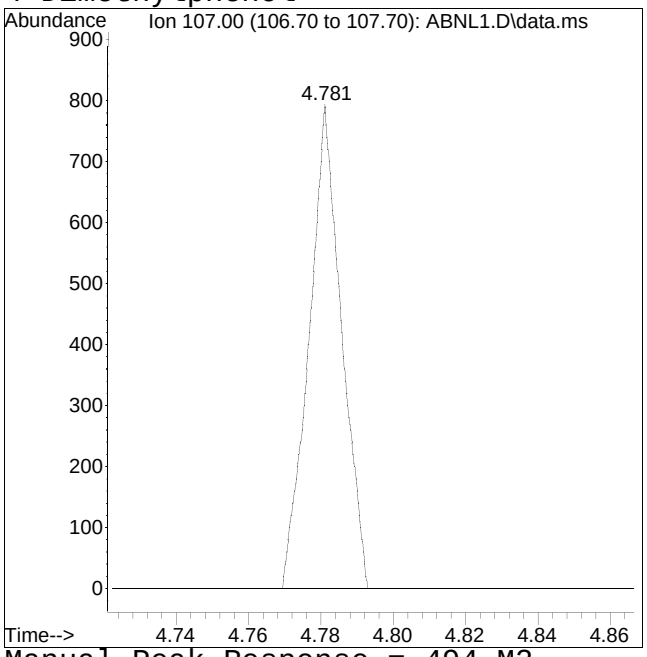
Original Peak Response = 0 Manual Peak Response = 225 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #23: 2,4-Dimethylphenol



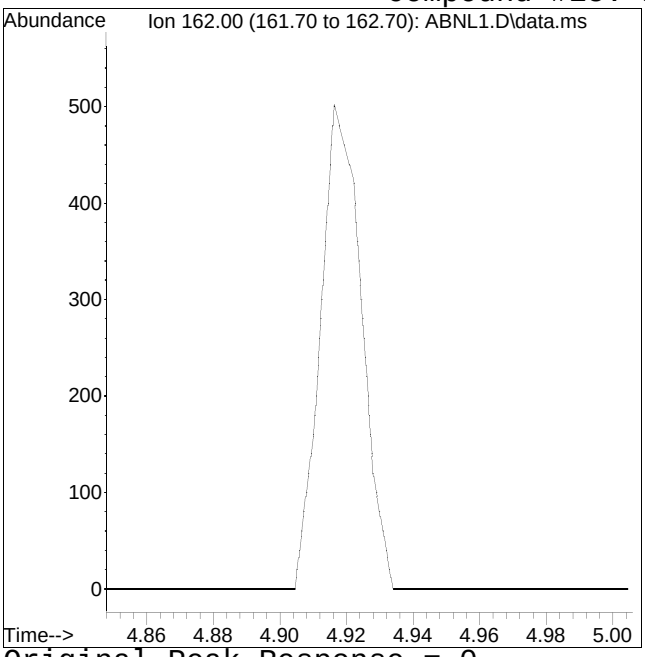


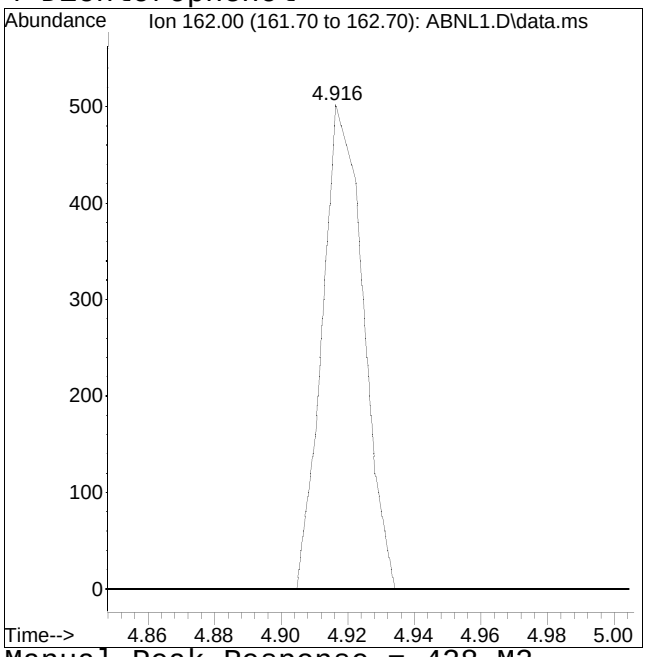
Original Peak Response = 0 Manual Peak Response = 494 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #25: 2,4-Dichlorophenol



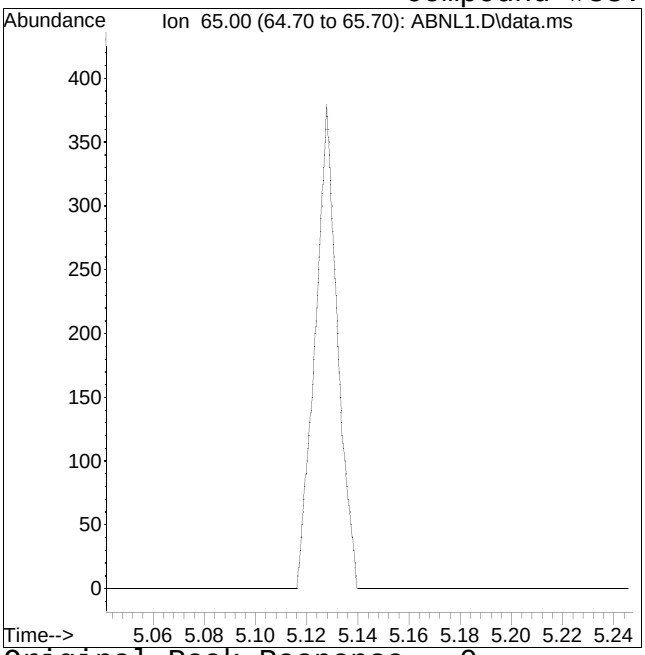


Original Peak Response = 0 Manual Peak Response = 428 M2
M2 = Peak not found by automatic integration algorithm.

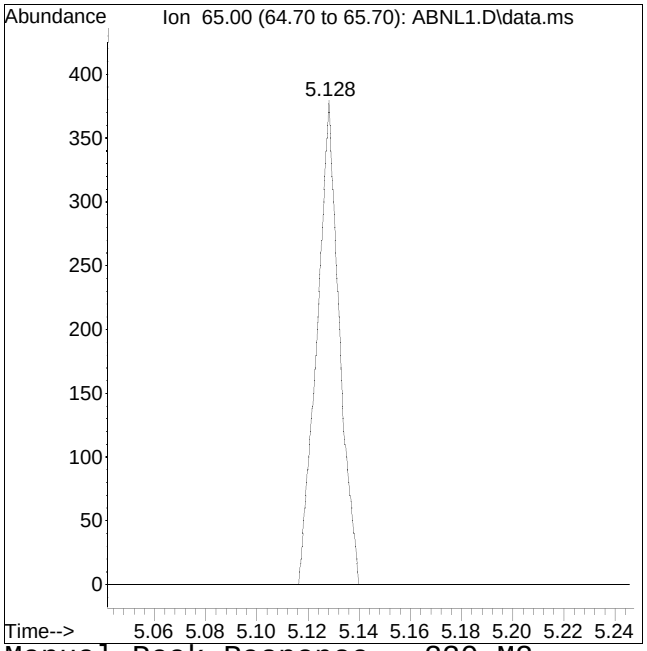
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #38: 4-Chloroaniline



Original Peak Response = 0



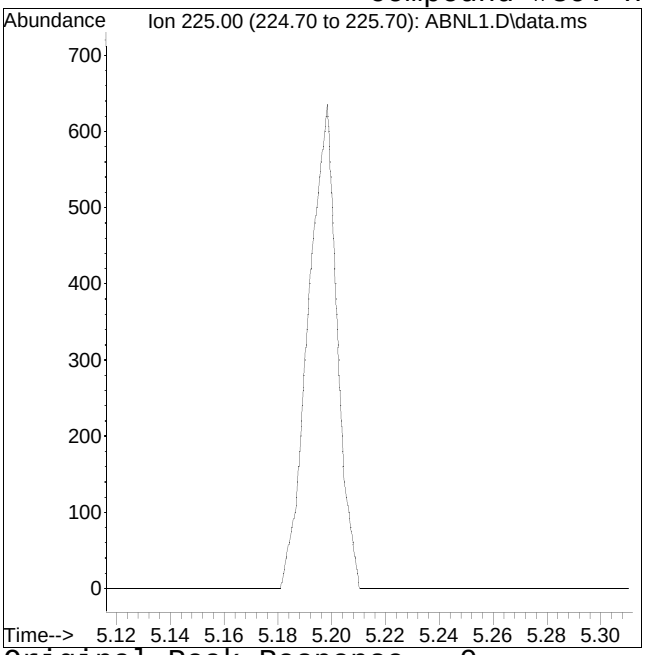
Manual Peak Response = 230 M2

M2 = Peak not found by automatic integration algorithm.

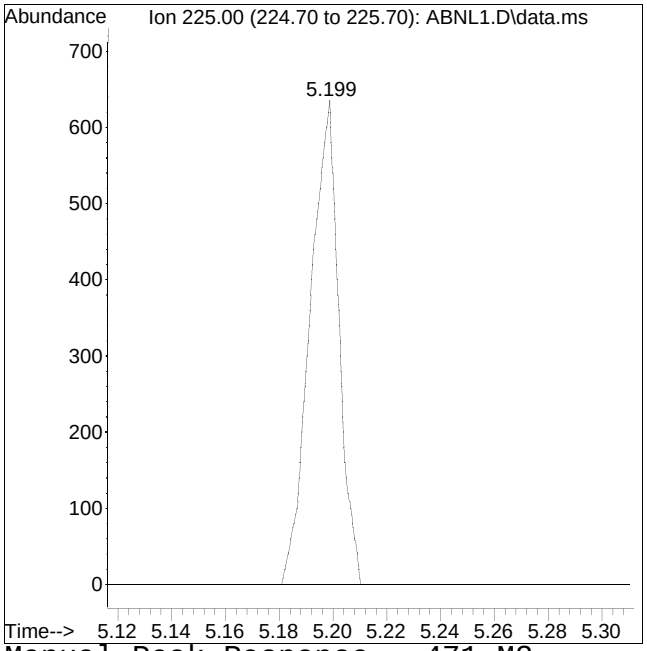
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #39: Hexachlorobutadiene



Original Peak Response = 0



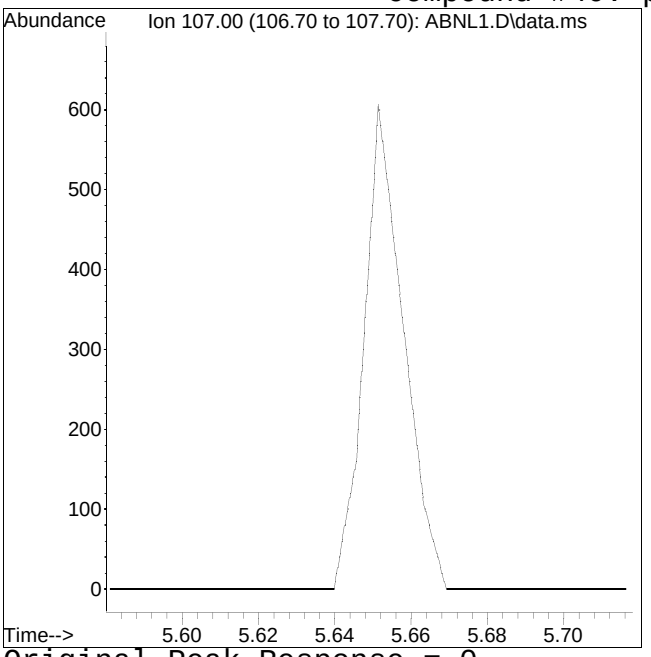
Manual Peak Response = 471 M2

M2 = Peak not found by automatic integration algorithm.

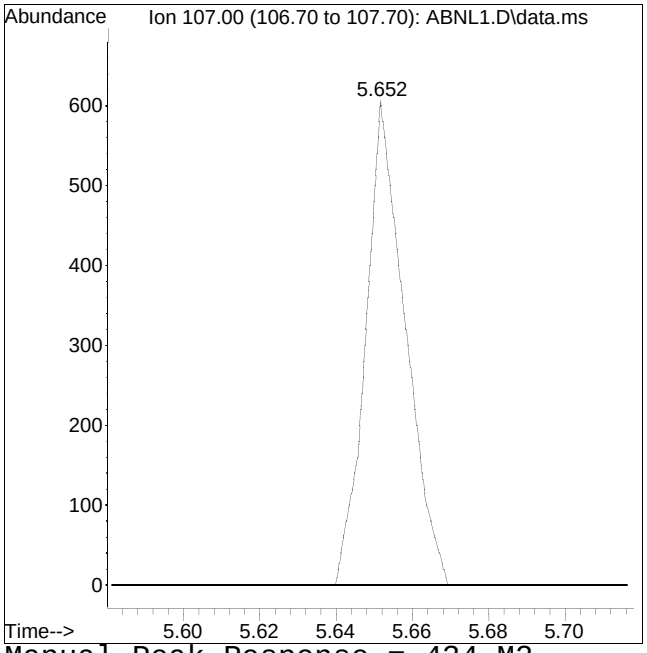
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #40: p-Chloro-m-cresol



Original Peak Response = 0



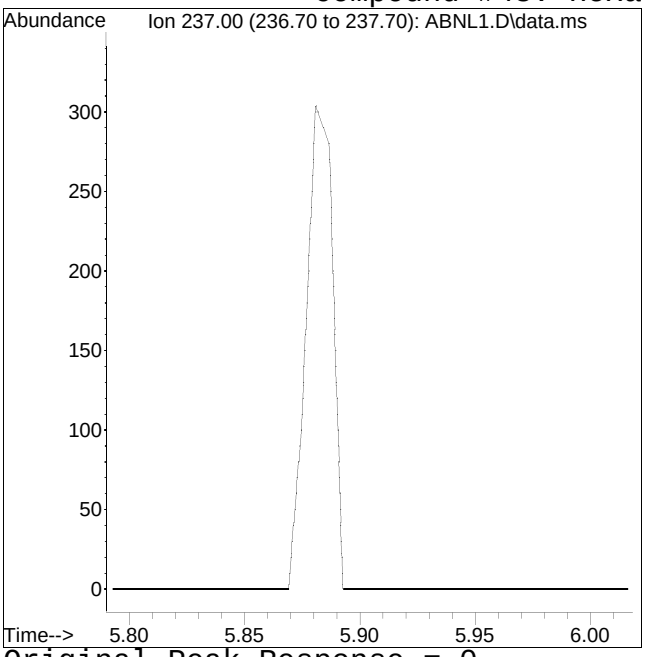
Manual Peak Response = 434 M2

M2 = Peak not found by automatic integration algorithm.

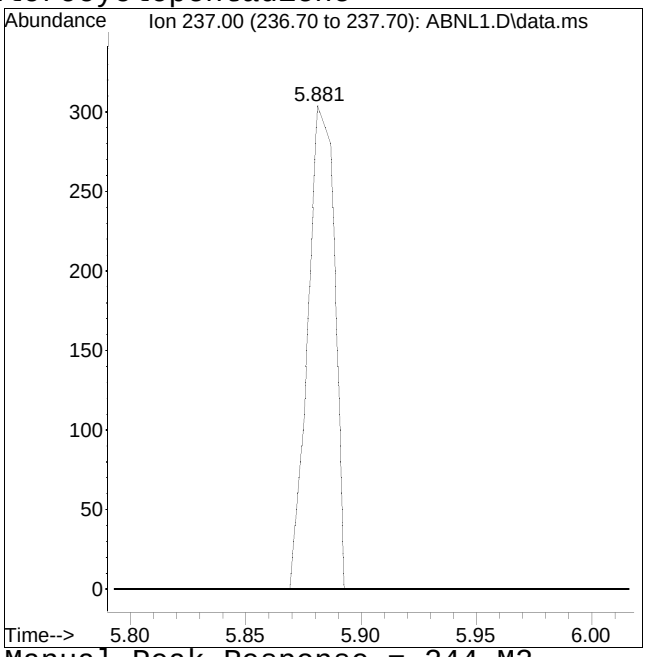
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #43: Hexachlorocyclopentadiene



Original Peak Response = 0



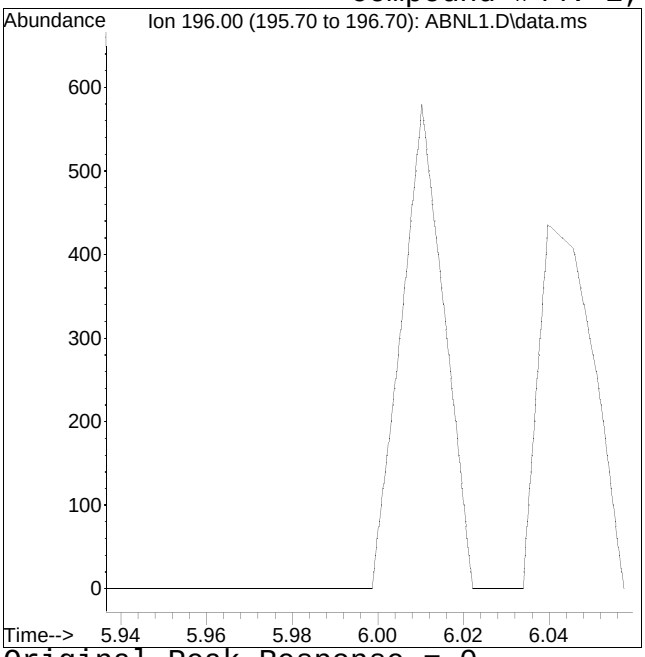
Manual Peak Response = 244 M2

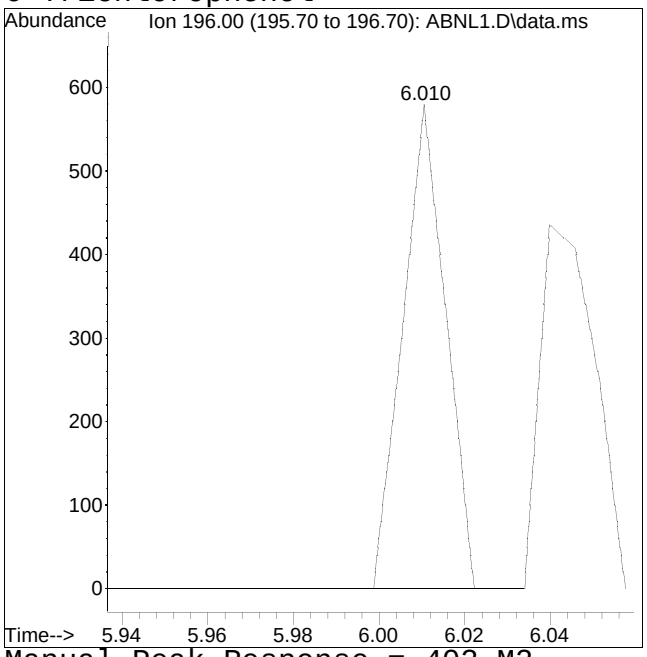
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #44: 2,4,6-Trichlorophenol

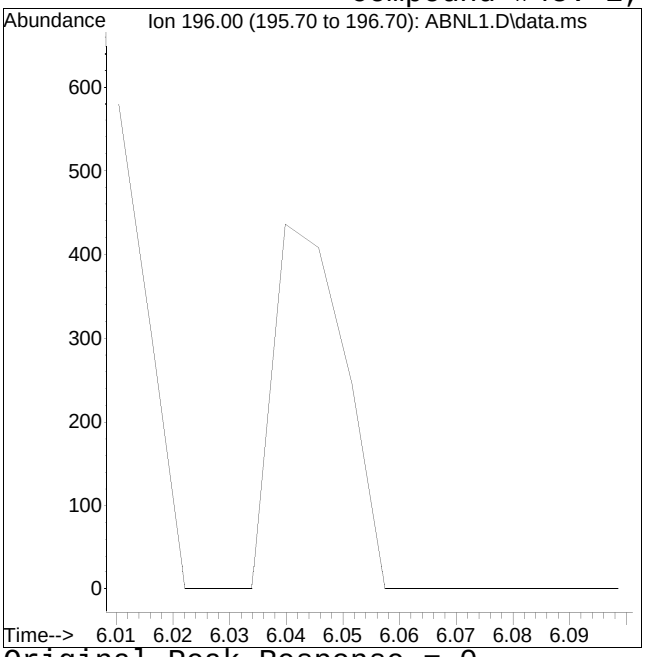


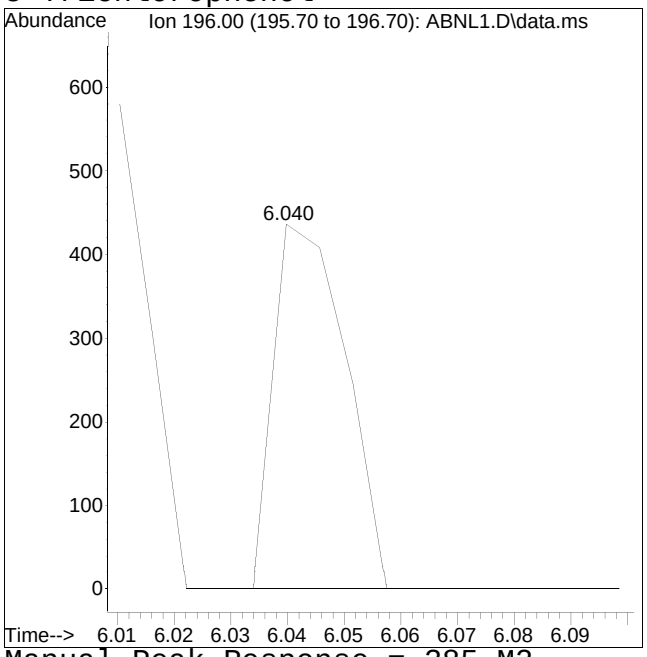


Original Peak Response = 0 Manual Peak Response = 402 M2
M2 = Peak not found by automatic integration algorithm.

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #45: 2,4,5-Trichlorophenol



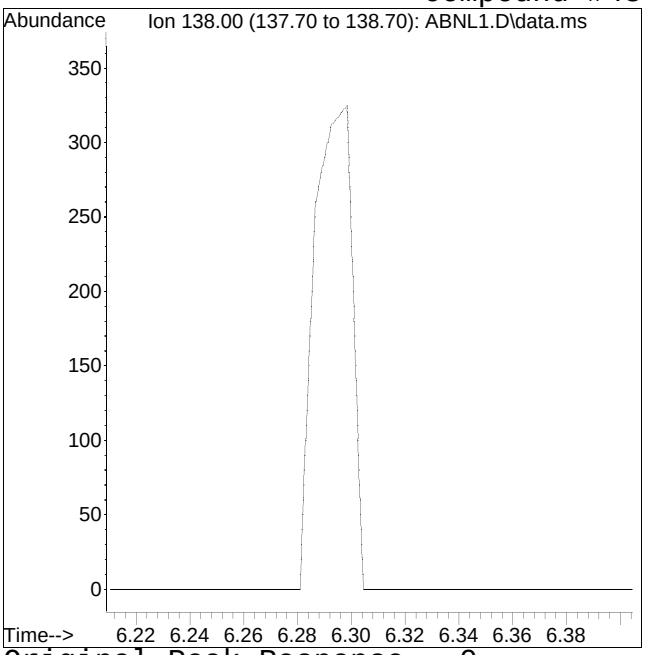


Original Peak Response = 0 Manual Peak Response = 385 M2
M2 = Peak not found by automatic integration algorithm.

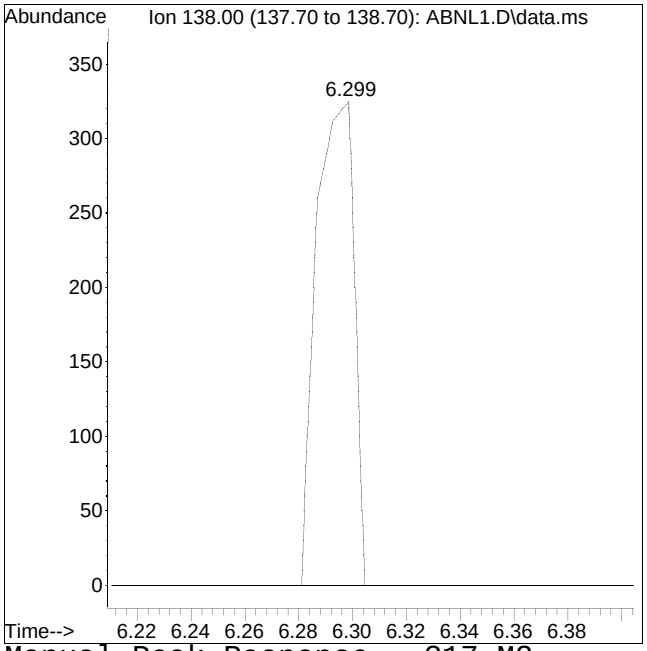
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #48: 2-Nitroaniline



Original Peak Response = 0



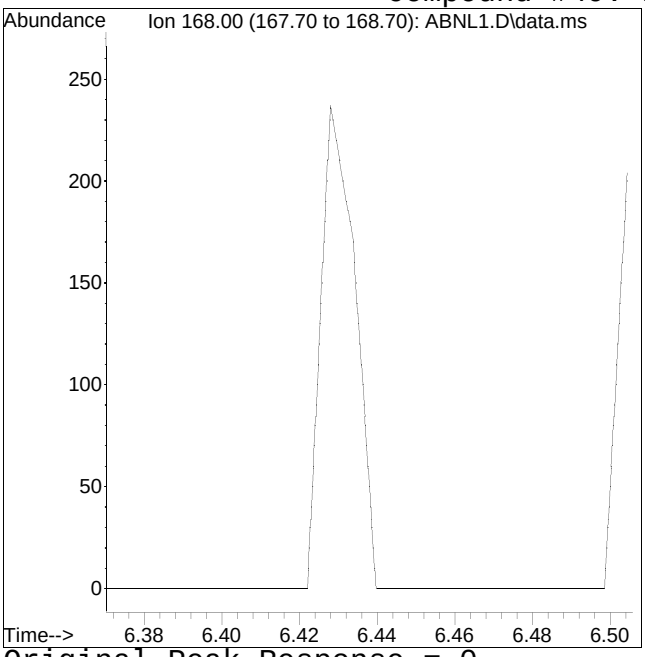
Manual Peak Response = 317 M2

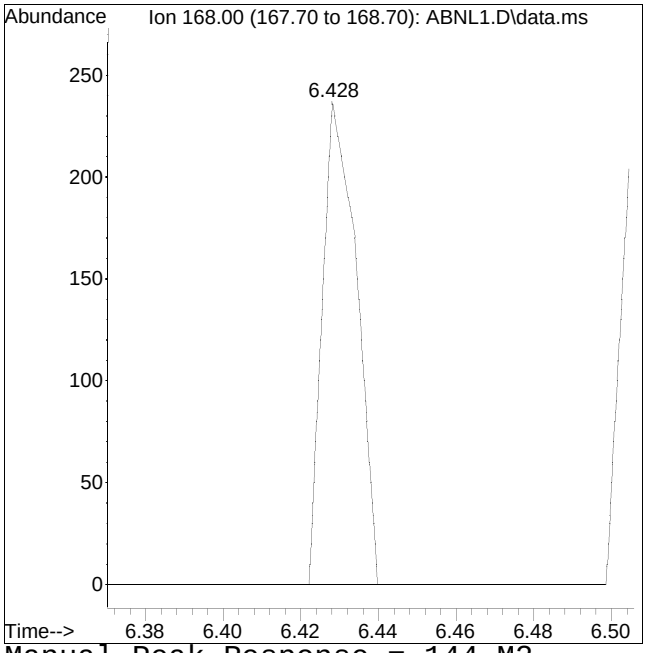
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #49: 1,4-Dinitrobenzene



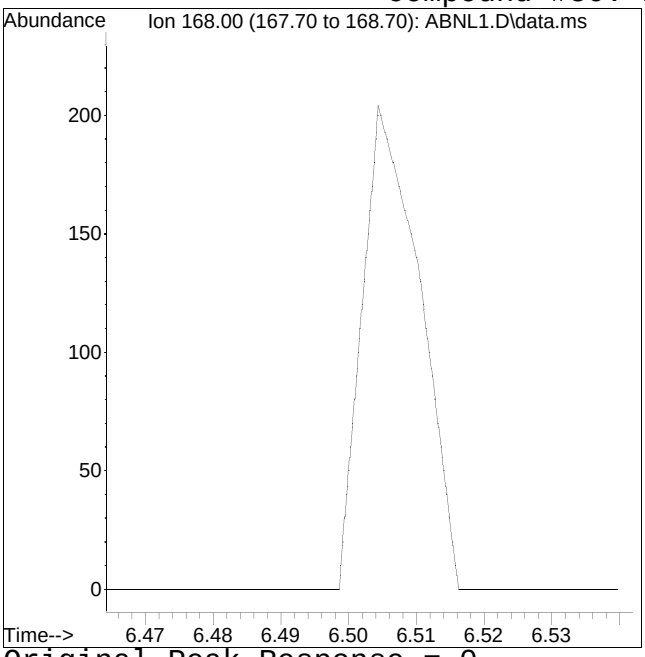


Original Peak Response = 0 Manual Peak Response = 144 M2
M2 = Peak not found by automatic integration algorithm.

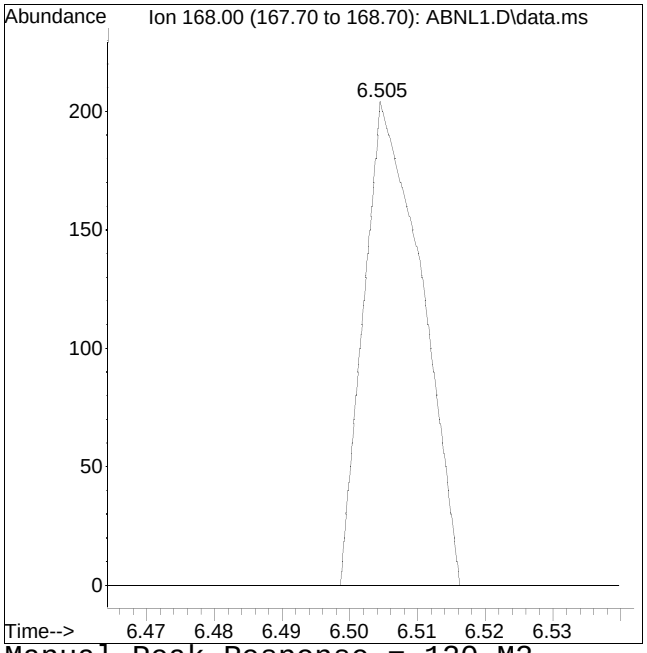
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #50: 1,3-Dinitrobenzene



Original Peak Response = 0



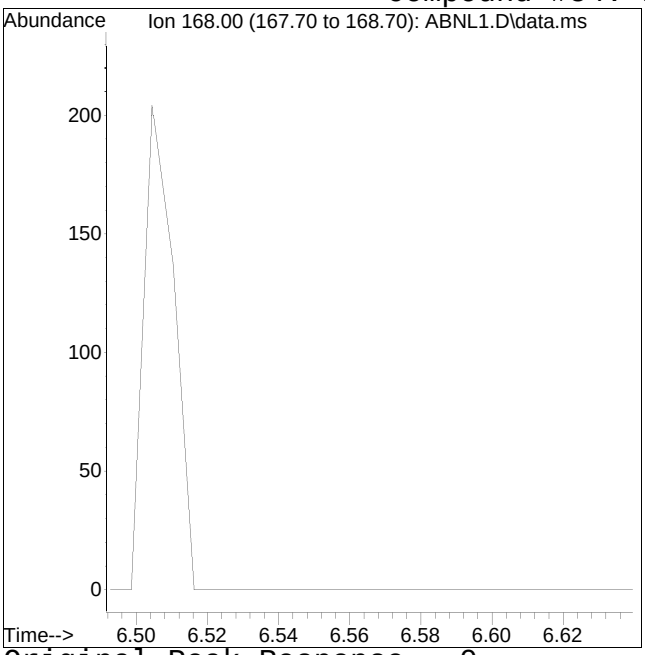
Manual Peak Response = 120 M2

M2 = Peak not found by automatic integration algorithm.

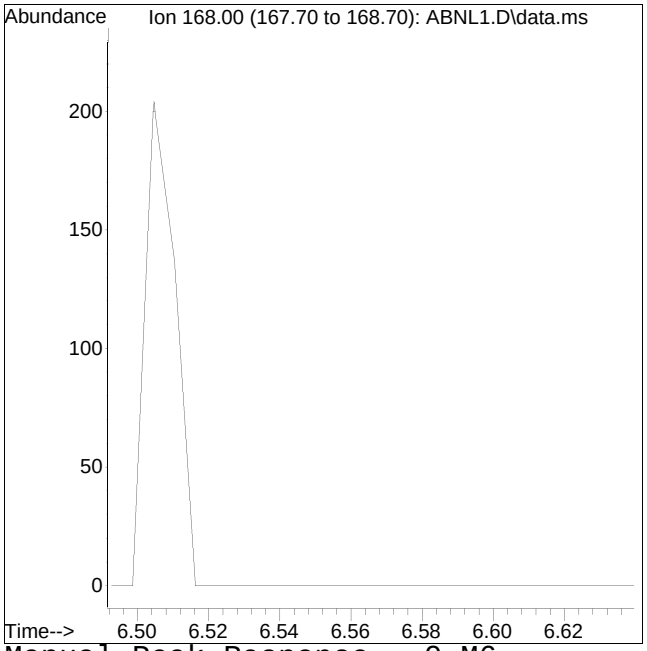
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #54: 1,2-Dinitrobenzene



Original Peak Response = 0



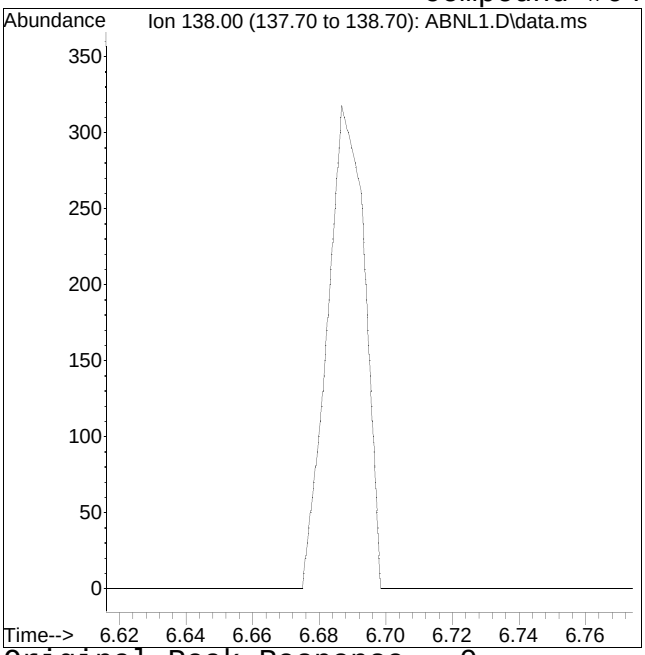
Manual Peak Response = 0 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

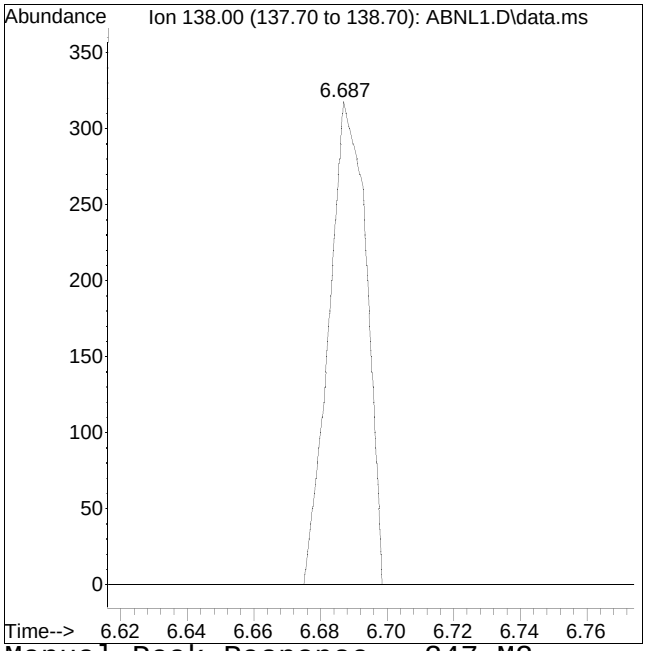
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #64: 3-Nitroaniline



Original Peak Response = 0



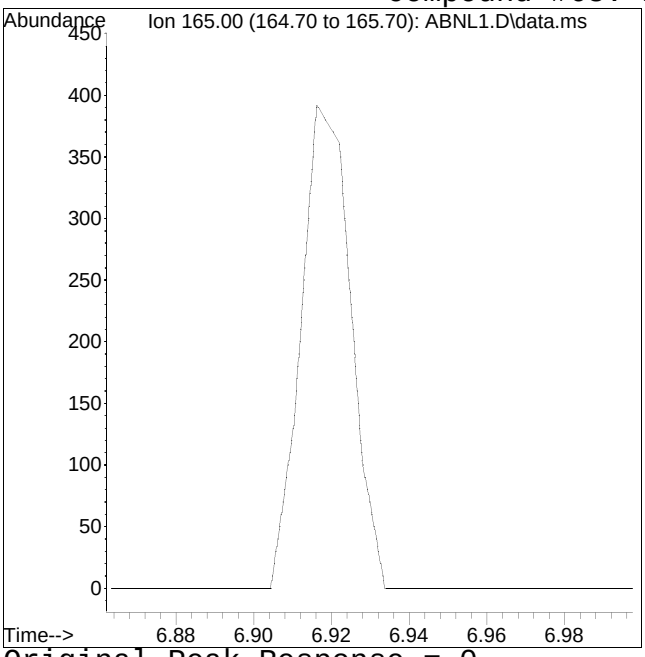
Manual Peak Response = 247 M2

M2 = Peak not found by automatic integration algorithm.

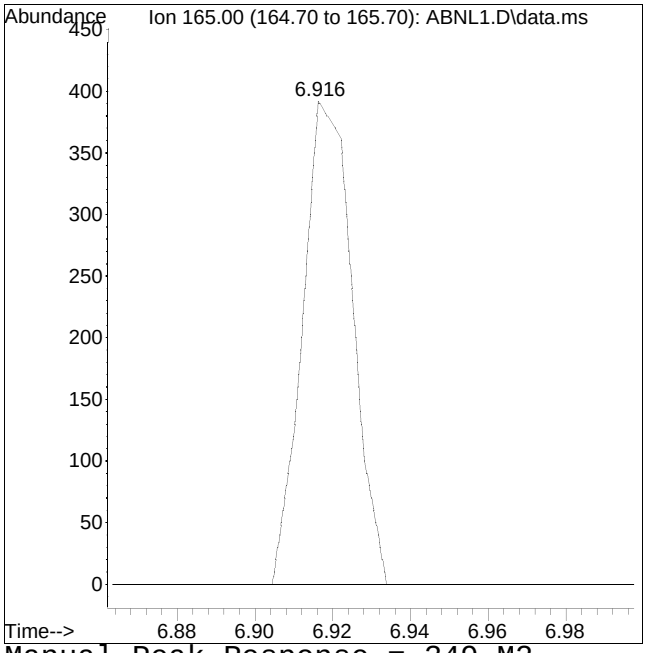
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #68: 2,4-Dinitrotoluene



Original Peak Response = 0



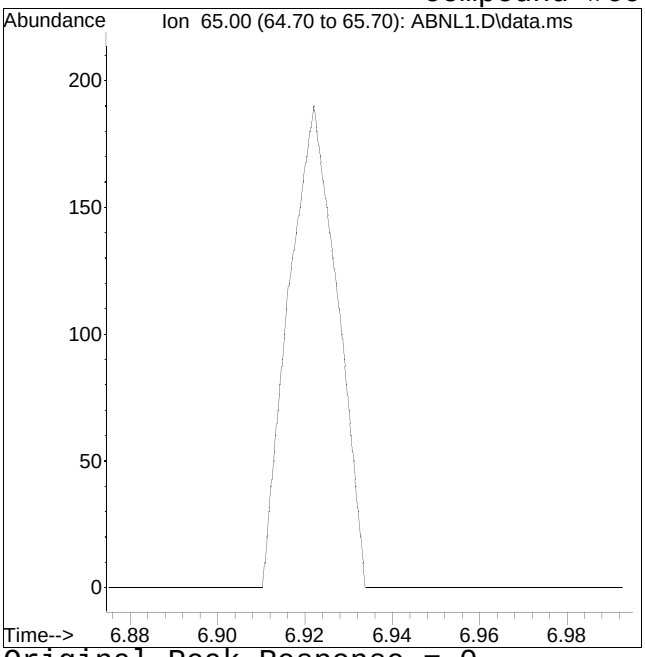
Manual Peak Response = 349 M2

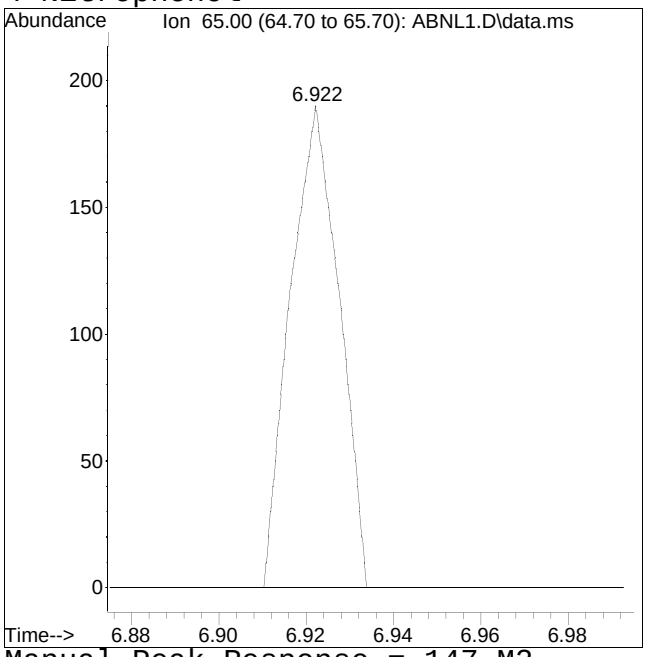
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #69: 4-Nitrophenol



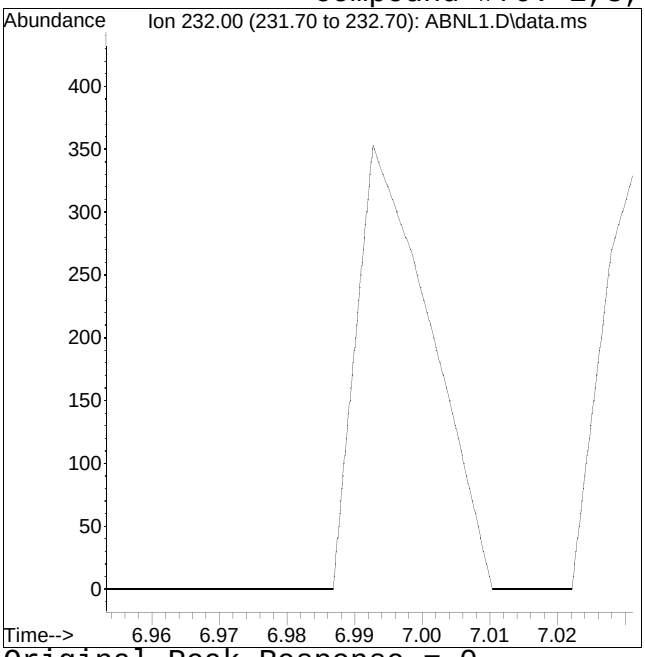


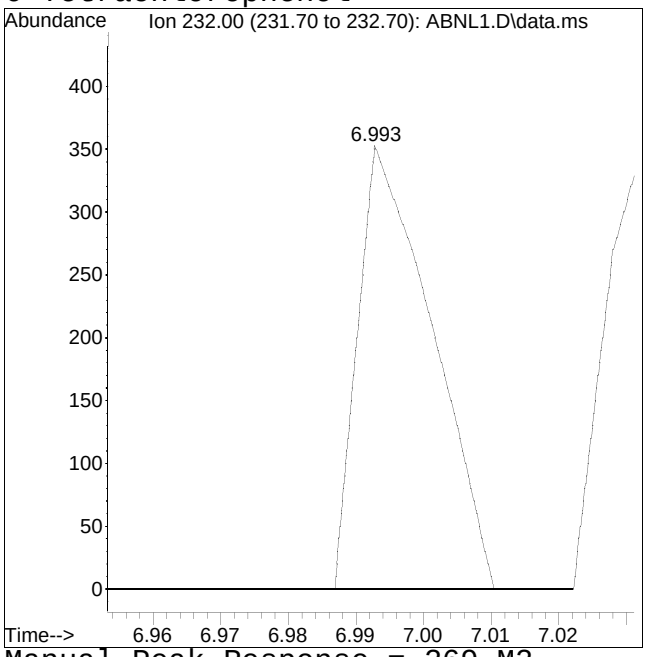
Original Peak Response = 0 Manual Peak Response = 147 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #70: 2,3,5,6-Tetrachlorophenol



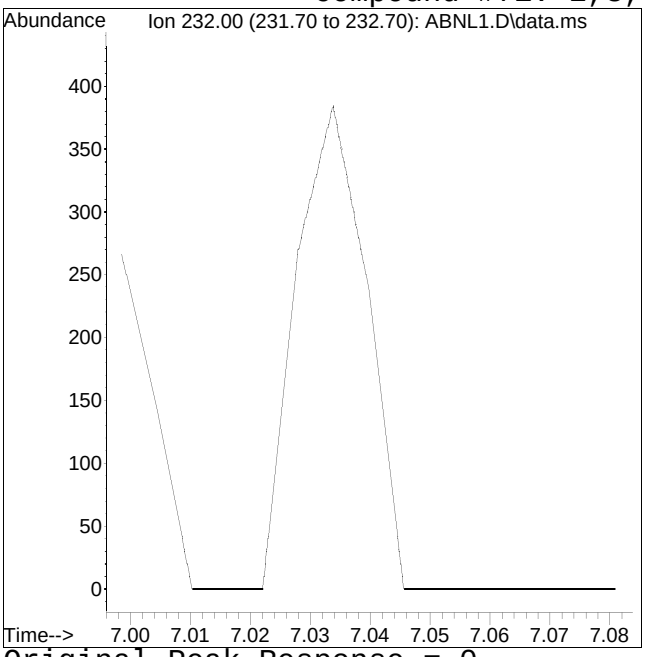


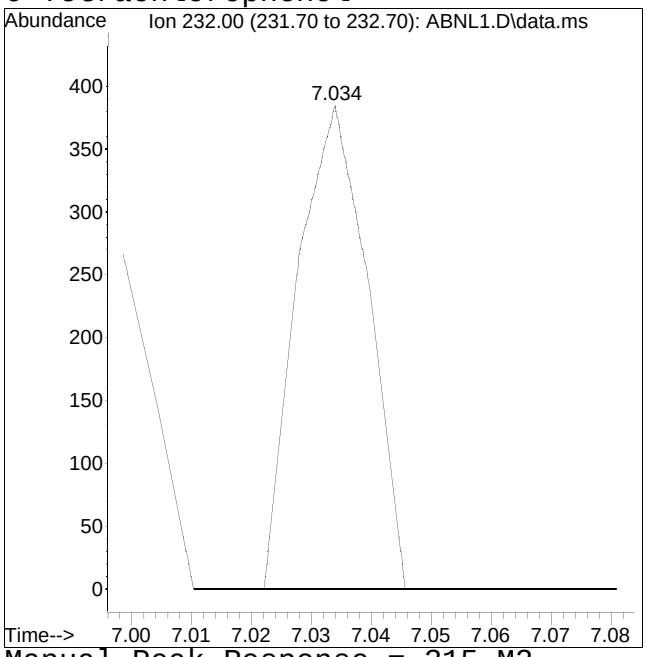
Original Peak Response = 0 Manual Peak Response = 269 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #71: 2,3,4,6-Tetrachlorophenol



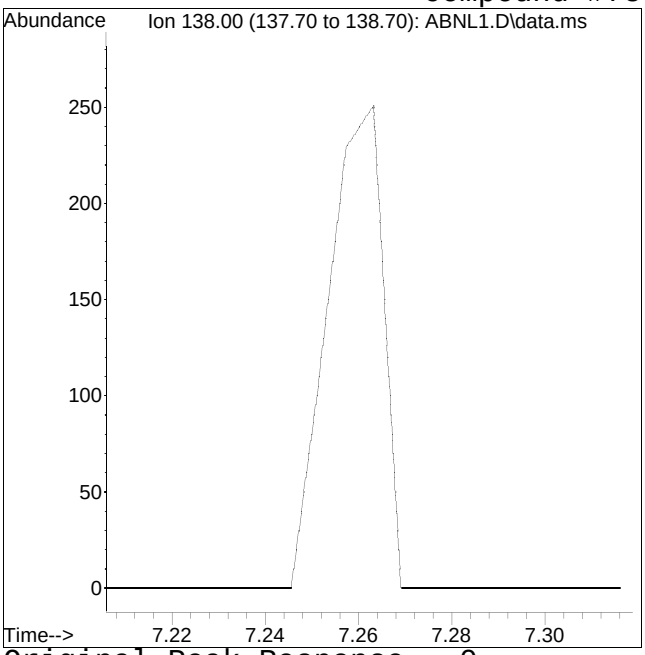


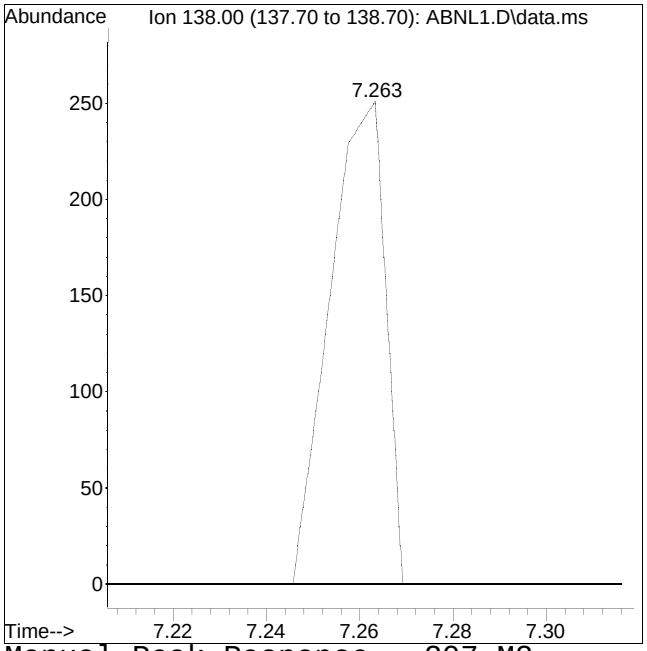
Original Peak Response = 0 Manual Peak Response = 315 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #75: 4-Nitroaniline



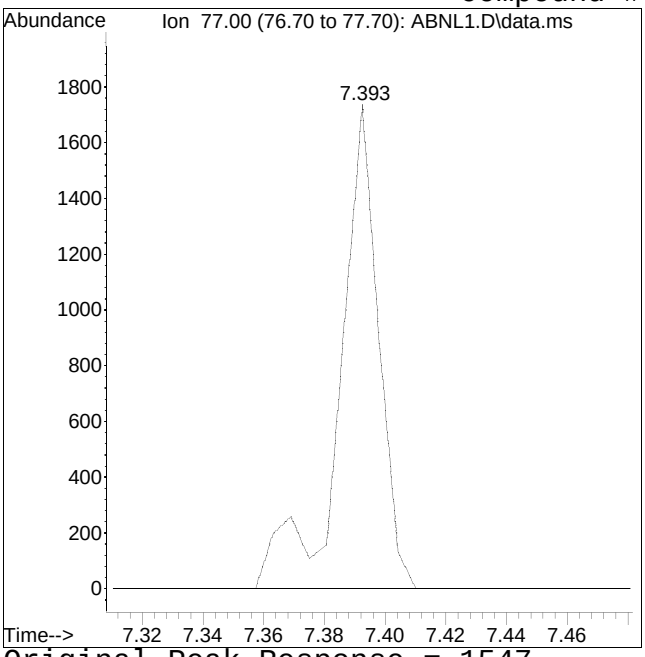


Original Peak Response = 0 Manual Peak Response = 207 M2
M2 = Peak not found by automatic integration algorithm.

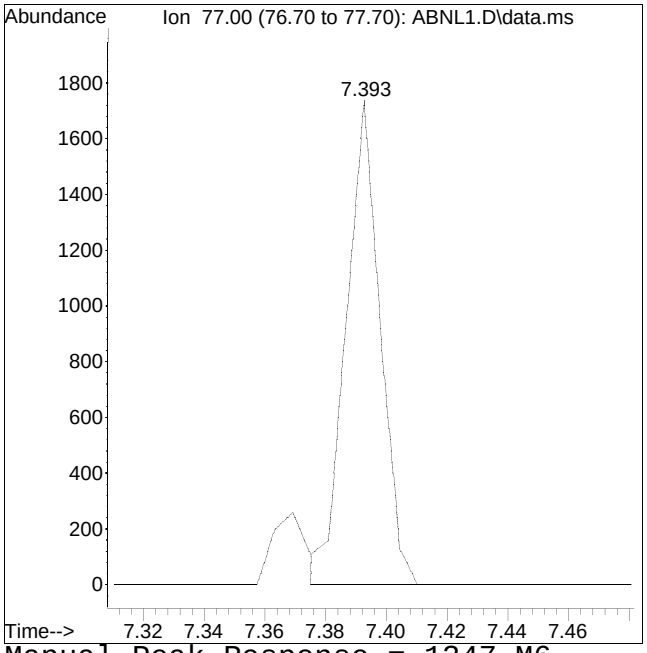
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #78: Azobenzene



Original Peak Response = 1547



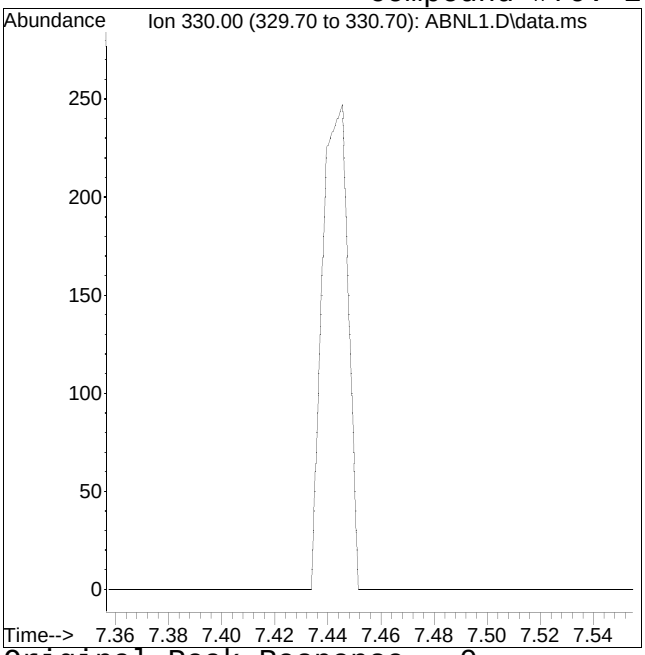
Manual Peak Response = 1347 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

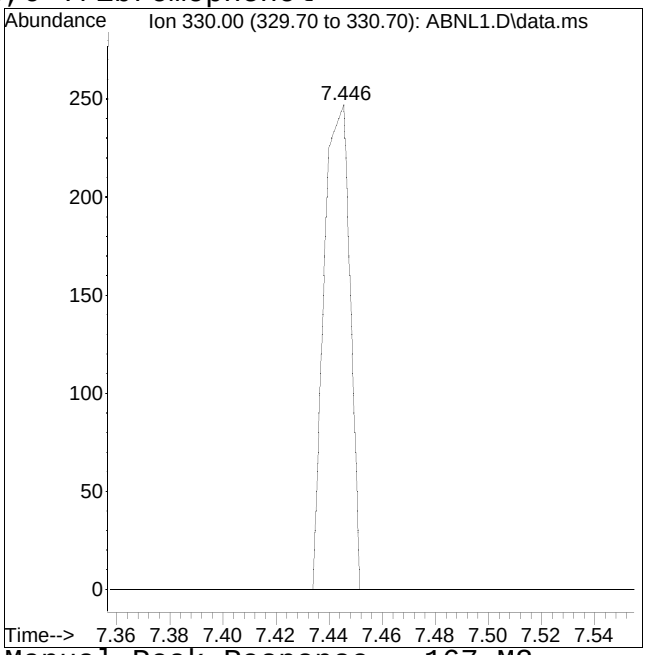
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #79: 2,4,6-Tribromophenol



Original Peak Response = 0



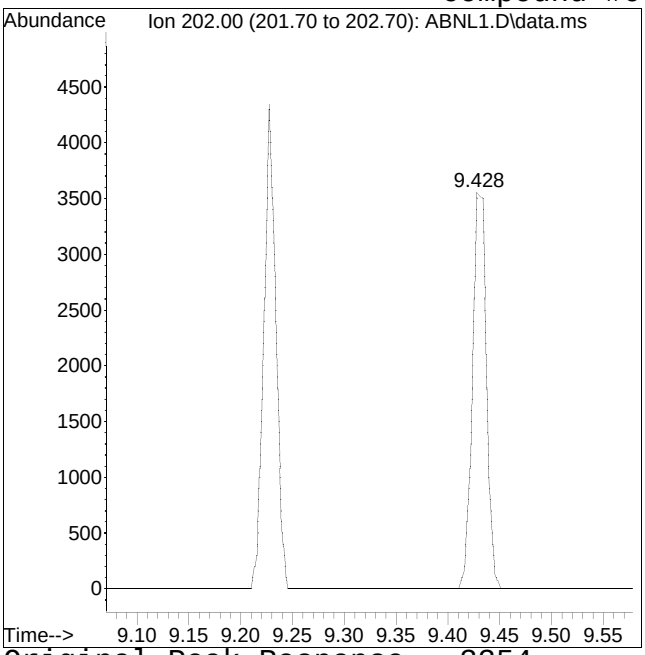
Manual Peak Response = 167 M2

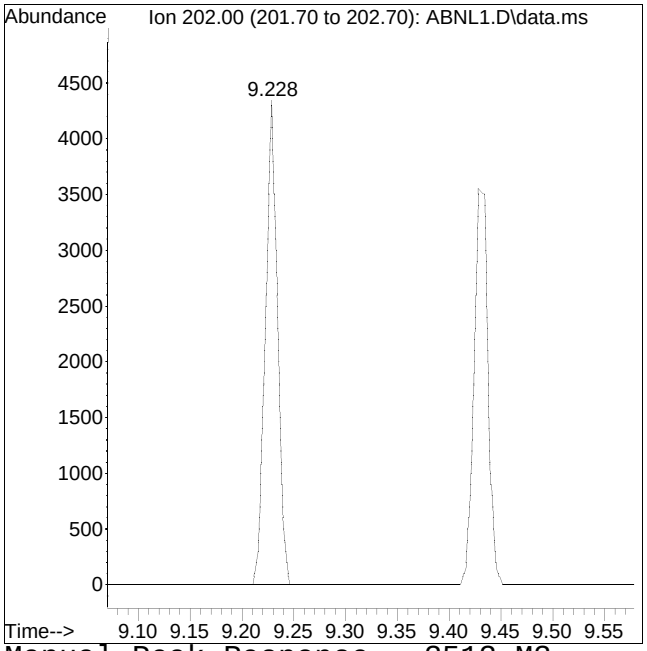
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #93: Fluoranthene





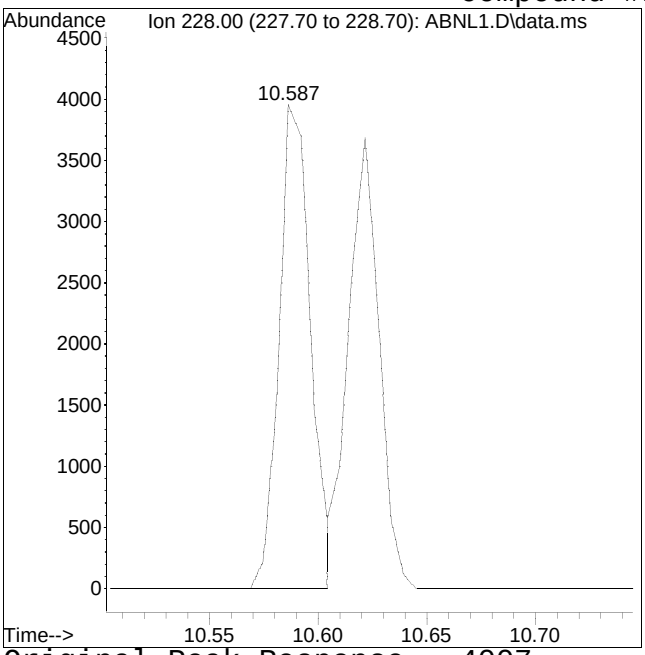
Original Peak Response = 3354 Manual Peak Response = 3513 M3

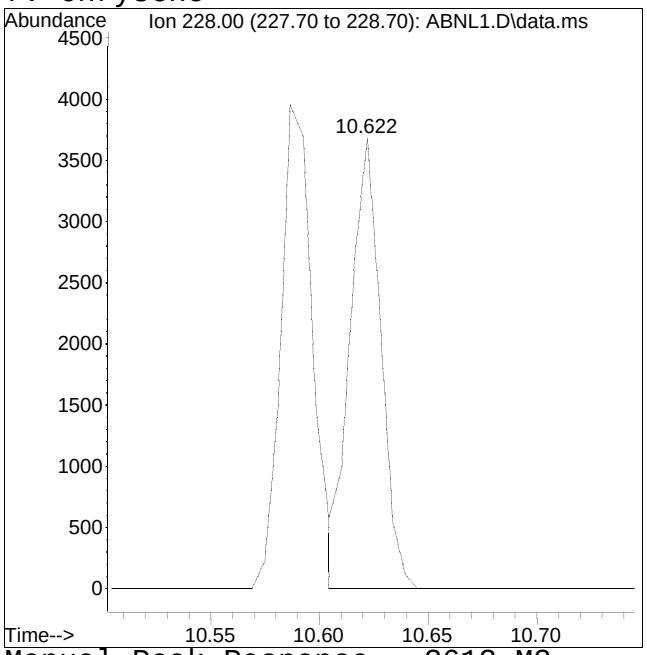
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #107: Chrysene



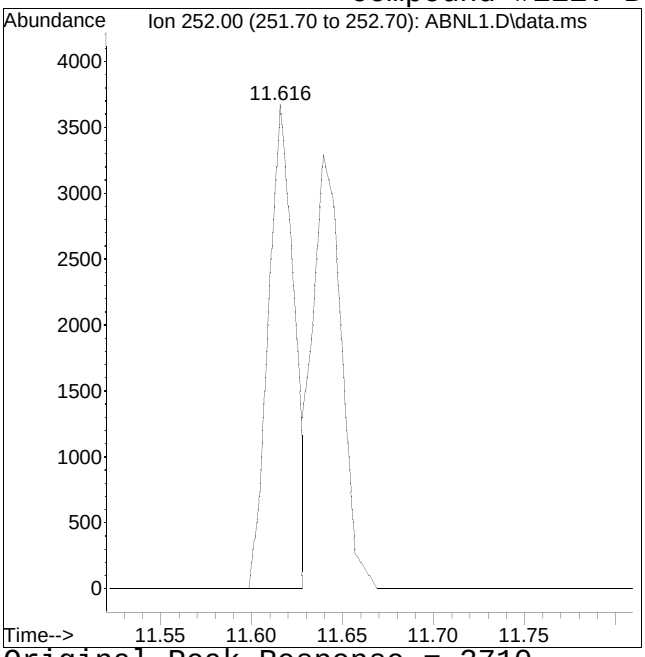


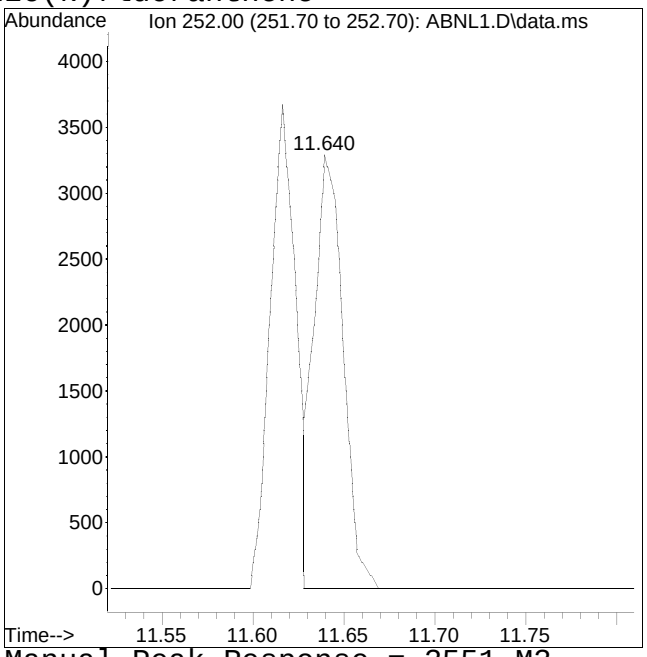
Original Peak Response = 4007 Manual Peak Response = 3613 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #111: Benzo(k)fluoranthene



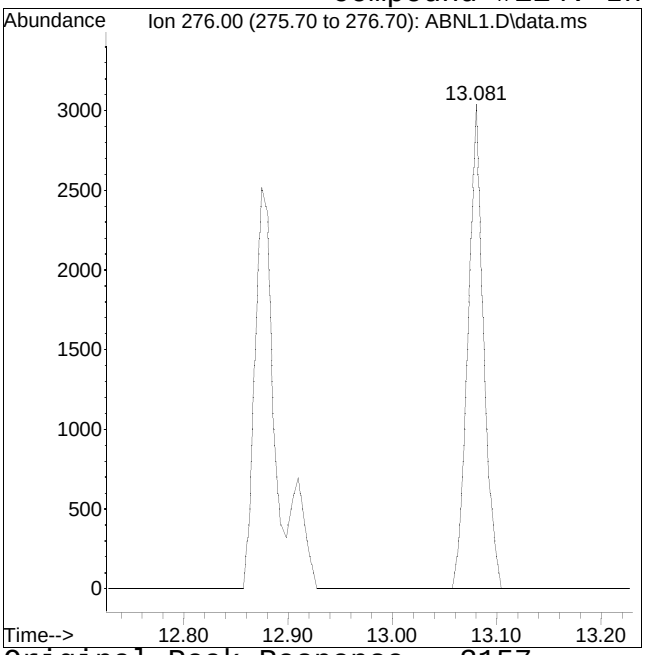


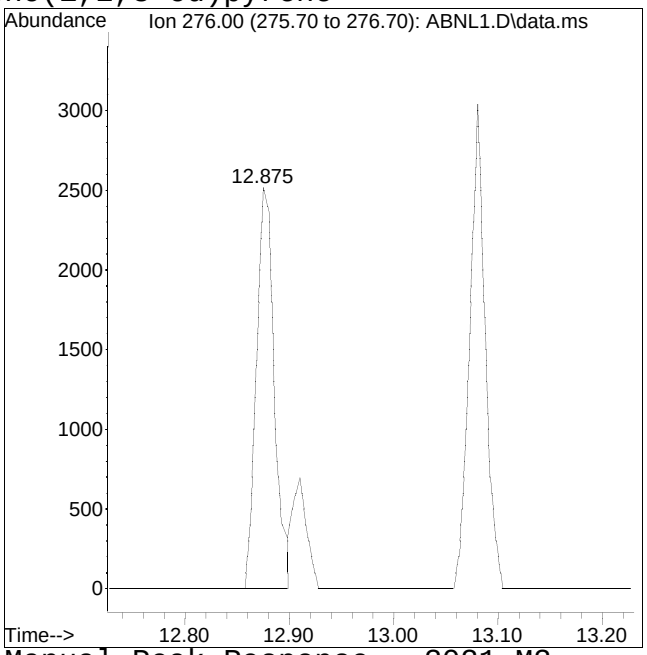
Original Peak Response = 3710 Manual Peak Response = 3551 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187Quant Date : 8/18/2025 5:13 am

Compound #114: Indeno(1,2,3-cd)pyrene





Original Peak Response = 3157 Manual Peak Response = 3021 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L9.D
Acq On : 17 Aug 2025 09:50 pm
Operator : SV112:slr
Sample : IL2,32,,AP9L50 Lot# 11836
Misc : WG2104073,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 18 06:25:44 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:26:22 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.764	152	19331	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery = 86.86%			
55) IS2_Naphthalene-d8	5.011	136	81858	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery = 94.09%			
83) IS2_Acenaphthene-d10	6.687	164	55236	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery = 98.60%			
98) IS2_Phenanthrene-d10	8.087	188	122215	4.000	ug/ml	0.00
Standard Area 3 = 123466			Recovery = 98.99%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.299	105	153192	53.529	ug/ml	97
29) Acetophenone	4.187	105	493760	51.803	ug/ml	95
30) m-Toluidine	4.281	106	338274	60.522	ug/ml	98
31) 2-Chloroaniline	4.634	127	421446	51.883	ug/ml	97
56) a-Terpineol	5.105	59	320341	52.870	ug/ml	100
57) 3-Chloroaniline	5.111	65	143274	54.267	ug/ml	83
58) 2,6-Dichlorophenol	5.134	162	317445	55.597	ug/ml	92
59) 1-chloro-2-nitrobenzene	5.381	111	153133	55.065	ug/ml	95
60) Caprolactam	5.463	55	214955	60.824	ug/ml	97
61) 1,2,4,5-Tetrachloroben...	5.881	216	424460	46.406	ug/ml	99
62) Biphenyl	6.175	154	861884	42.316	ug/ml	93
84) Dichloran	7.816	206	154619	64.393	ug/ml#	72
85) Pentachloronitrobenzene	7.952	237	161645	58.232	ug/ml#	82
99) Diphenamid	9.022	167	790373	52.626	ug/ml	88

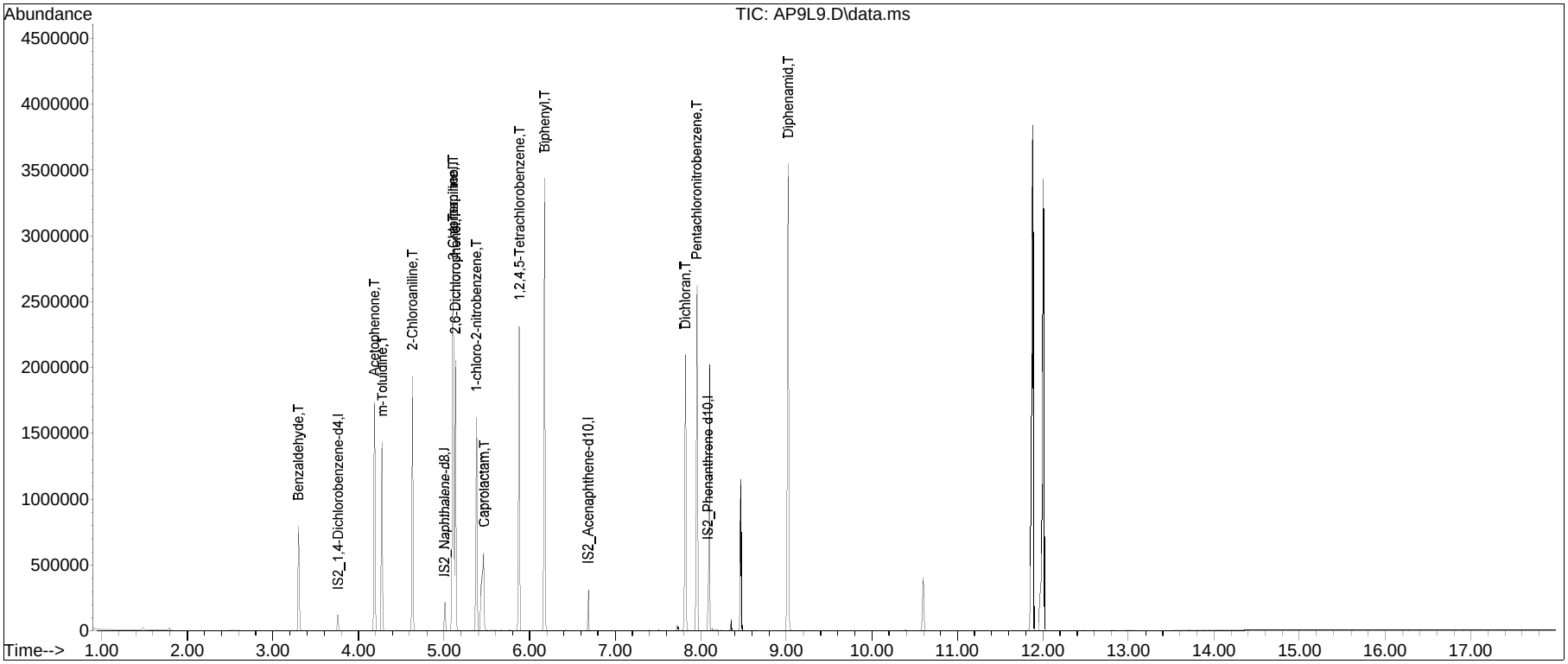
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L9.D
Acq On : 17 Aug 2025 09:50 pm
Operator : SV112:slr
Sample : IL2,32,,AP9L50 Lot# 11836
Misc : WG2104073,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 18 06:25:44 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:26:22 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\250817RVTica	QMethod	: FS250817SV112RVT.m
Data File	: AP9L9.D	Operator	: SV112:slr
Date Inj'd	: 8/17/2025 9:50 pm	Instrument	: SV112
Sample	: IL2,32,,AP9L50 Lot# 11836	Quant Date	: 8/18/2025 6:26 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L8.D
Acq On : 17 Aug 2025 10:13 pm
Operator : SV112:slr
Sample : IL3,32,,AP9L25 Lot# 11837
Misc : WG2104073,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 18 06:25:17 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:25:57 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.758	152	19660	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery = 88.34%			
55) IS2_Naphthalene-d8	5.010	136	79670	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery = 91.58%			
83) IS2_Acenaphthene-d10	6.687	164	53253	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery = 95.06%			
98) IS2_Phenanthrene-d10	8.087	188	123425	4.000	ug/ml	0.00
Standard Area 3 = 123466			Recovery = 99.97%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.299	105	72184	24.773	ug/ml	97
29) Acetophenone	4.187	105	239604	24.678	ug/ml	95
30) m-Toluidine	4.275	106	158284	28.494	ug/ml	97
31) 2-Chloroaniline	4.634	127	205669	24.881	ug/ml	98
56) a-Terpineol	5.099	59	155035	26.486	ug/ml	98
57) 3-Chloroaniline	5.110	65	68845	27.069	ug/ml	86
58) 2,6-Dichlorophenol	5.128	162	151274	27.572	ug/ml	93
59) 1-chloro-2-nitrobenzene	5.375	111	72086	26.884	ug/ml	96
60) Caprolactam	5.446	55	103125	31.012	ug/ml	95
61) 1,2,4,5-Tetrachloroben...	5.875	216	208815	23.252	ug/ml	97
62) Biphenyl	6.169	154	449204	22.361	ug/ml	97
84) Dichloran	7.816	206	70223	31.288	ug/ml#	73
85) Pentachloronitrobenzene	7.952	237	76922	29.371	ug/ml#	83
99) Diphenamid	9.016	167	404285	26.909	ug/ml	90

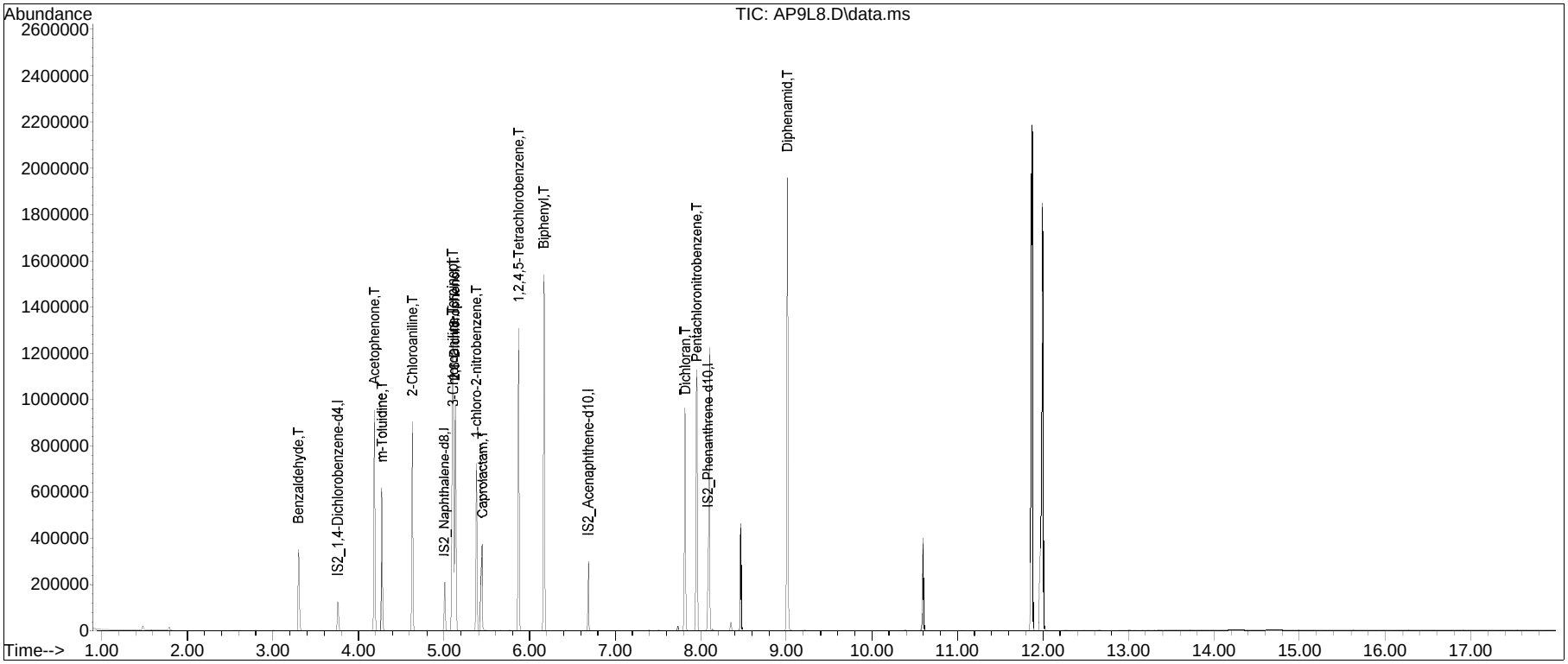
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L8.D
Acq On : 17 Aug 2025 10:13 pm
Operator : SV112:slr
Sample : IL3,32,,AP9L25 Lot# 11837
Misc : WG2104073,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 18 06:25:17 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:25:57 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\250817RVTica	QMethod	: FS250817SV112RVT.m
Data File	: AP9L8.D	Operator	: SV112:slr
Date Inj'd	: 8/17/2025 10:13 pm	Instrument	: SV112
Sample	: IL3,32,,AP9L25 Lot# 11837	Quant Date	: 8/18/2025 6:26 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L7.D
Acq On : 17 Aug 2025 10:35 pm
Operator : SV112:slr
Sample : IL4,32,,AP9L10 Lot# 11838
Misc : WG2104073,,ical
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 18 06:24:48 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:25:23 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.764	152	18967	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery = 85.22%			
55) IS2_Naphthalene-d8	5.011	136	77407	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery = 88.98%			
83) IS2_Acenaphthene-d10	6.687	164	50458	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery = 90.07%			
98) IS2_Phenanthrene-d10	8.081	188	116292	4.000	ug/ml	0.00
Standard Area 3 = 123466			Recovery = 94.19%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.305	105	28569	10.190	ug/ml	98
29) Acetophenone	4.187	105	92815	9.894	ug/ml	95
30) m-Toluidine	4.281	106	60151	11.578	ug/ml	97
31) 2-Chloroaniline	4.634	127	80174	10.062	ug/ml	99
56) a-Terpineol	5.099	59	58197	10.273	ug/ml	100
57) 3-Chloroaniline	5.105	65	26596	10.902	ug/ml	87
58) 2,6-Dichlorophenol	5.128	162	57156	10.853	ug/ml	92
59) 1-chloro-2-nitrobenzene	5.375	111	26835	10.353	ug/ml	96
60) Caprolactam	5.428	55	36988	11.790	ug/ml	94
61) 1,2,4,5-Tetrachloroben...	5.875	216	81554	9.246	ug/ml	96
62) Biphenyl	6.169	154	180488	9.133	ug/ml	98
84) Dichloran	7.810	206	24100	11.590	ug/ml#	74
85) Pentachloronitrobenzene	7.946	237	27878	11.470	ug/ml#	82
99) Diphenamid	9.016	167	153291	10.981	ug/ml	90

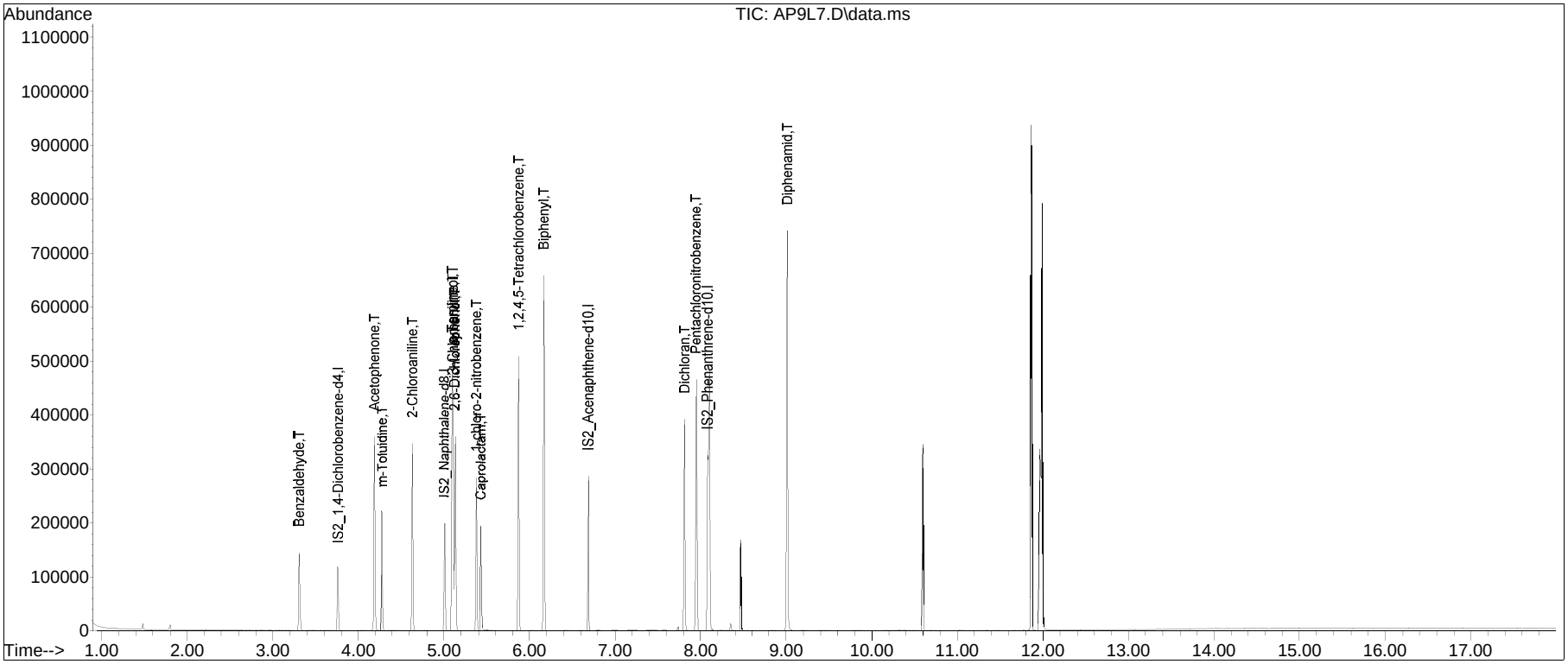
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L7.D
Acq On : 17 Aug 2025 10:35 pm
Operator : SV112:slr
Sample : IL4,32,,AP9L10 Lot# 11838
Misc : WG2104073,,ical
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 18 06:24:48 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:25:23 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\250817RVTica	QMethod	: FS250817SV112RVT.m
Data File	: AP9L7.D	Operator	: SV112:slr
Date Inj'd	: 8/17/2025 10:35 pm	Instrument	: SV112
Sample	: IL4,32,,AP9L10 Lot# 11838	Quant Date	: 8/18/2025 6:25 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L6.D
Acq On : 17 Aug 2025 10:58 pm
Operator : SV112:slr
Sample : IL5,32,,AP9L5 Lot# 11839
Misc : WG2104073,,ical
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 18 06:18:56 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:18:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.763	152	22256	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery = 100.00%			
55) IS2_Naphthalene-d8	5.010	136	86996	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery = 100.00%			
83) IS2_Acenaphthene-d10	6.687	164	56018	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery = 100.00%			
98) IS2_Phenanthrene-d10	8.081	188	123466	4.000	ug/ml	0.00
Standard Area 3 = 123466			Recovery = 100.00%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.305	105	15638	4.742	ug/ml	94
29) Acetophenone	4.187	105	52414	4.718	ug/ml	94
30) m-Toluidine	4.281	106	33109	5.445	ug/ml	96
31) 2-Chloroaniline	4.634	127	45580	4.821	ug/ml	99
56) a-Terpineol	5.093	59	31631	4.962	ug/ml	100
57) 3-Chloroaniline	5.105	65	14806	5.447	ug/ml	87
58) 2,6-Dichlorophenol	5.128	162	31424	5.331	ug/ml	93
59) 1-chloro-2-nitrobenzene	5.375	111	14767	5.059	ug/ml	98
60) Caprolactam	5.422	55	18904	5.400	ug/ml	93
61) 1,2,4,5-Tetrachloroben...	5.875	216	46161	4.611	ug/ml	95
62) Biphenyl	6.169	154	101576	4.503	ug/ml	99
84) Dichloran	7.810	206	11723	5.066	ug/ml#	74
85) Pentachloronitrobenzene	7.946	237	13563	4.991	ug/ml#	83
99) Diphenamid	9.016	167	75134	5.082	ug/ml	91

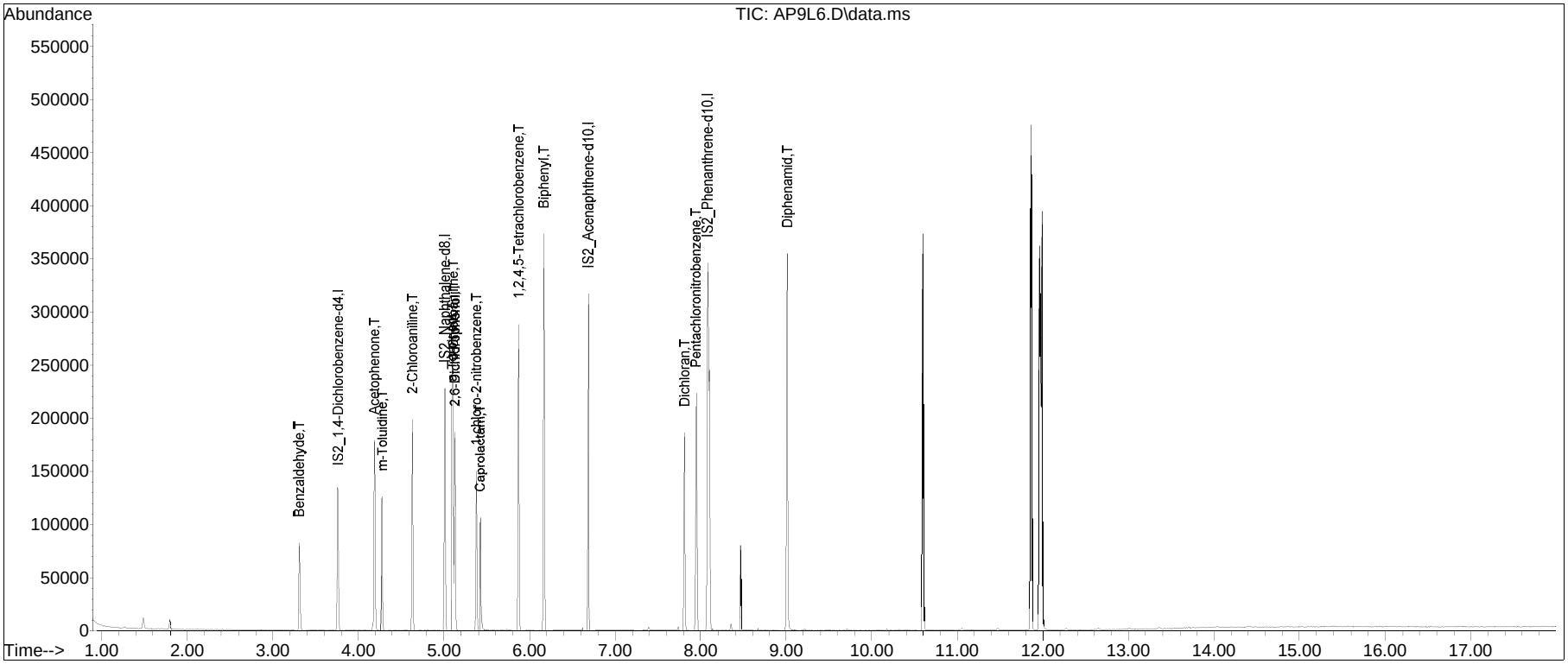
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L6.D
Acq On : 17 Aug 2025 10:58 pm
Operator : SV112:slr
Sample : IL5,32,,AP9L5 Lot# 11839
Misc : WG2104073,,ical
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 18 06:18:56 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:18:29 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\250817RVTica	QMethod	: FS250817SV112RVT.m
Data File	: AP9L6.D	Operator	: SV112:slr
Date Inj'd	: 8/17/2025 10:58 pm	Instrument	: SV112
Sample	: IL5,32,,AP9L5 Lot# 11839	Quant Date	: 8/18/2025 6:19 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L5.D
Acq On : 17 Aug 2025 11:20 pm
Operator : SV112:slr
Sample : IL6,32,,AP9L2.5 Lot# 11840
Misc : WG2104073,,ical
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 18 06:18:47 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:18:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.763	152	19963	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery = 89.70%			
55) IS2_Naphthalene-d8	5.010	136	77703	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery = 89.32%			
83) IS2_Acenaphthene-d10	6.687	164	50040	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery = 89.33%			
98) IS2_Phenanthrene-d10	8.081	188	113009	4.000	ug/ml	0.00
Standard Area 3 = 123466			Recovery = 91.53%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.310	105	7285	2.463	ug/ml	99
29) Acetophenone	4.193	105	23538	2.362	ug/ml	92
30) m-Toluidine	4.281	106	13776	2.526	ug/ml	96
31) 2-Chloroaniline	4.634	127	19786	2.333	ug/ml	98
56) a-Terpineol	5.093	59	14137	2.483	ug/ml	99
57) 3-Chloroaniline	5.104	65	6386	2.630	ug/ml	92
58) 2,6-Dichlorophenol	5.128	162	13486	2.561	ug/ml	93
59) 1-chloro-2-nitrobenzene	5.375	111	6439	2.470	ug/ml	96
60) Caprolactam	5.422	55	8099	2.590	ug/ml	92
61) 1,2,4,5-Tetrachloroben...	5.875	216	21034	2.352	ug/ml	97
62) Biphenyl	6.169	154	45702	2.268	ug/ml	97
84) Dichloran	7.810	206	5091	2.463	ug/ml#	74
85) Pentachloronitrobenzene	7.945	237	5811	2.394	ug/ml#	84
99) Diphenamid	9.016	167	34337	2.537	ug/ml	90

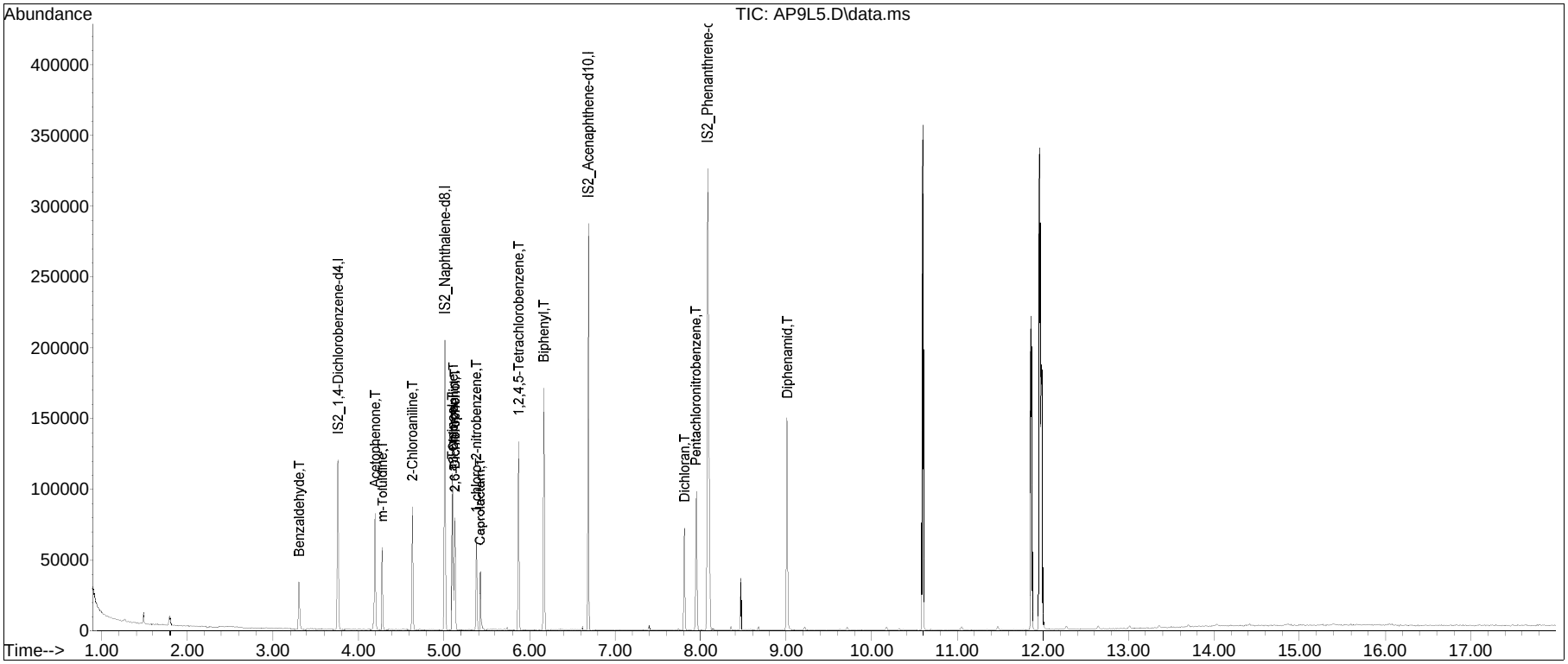
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L5.D
Acq On : 17 Aug 2025 11:20 pm
Operator : SV112:slr
Sample : IL6,32,,AP9L2.5 Lot# 11840
Misc : WG2104073,,ical
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 18 06:18:47 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:18:29 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\250817RVTica	QMethod	: FS250817SV112RVT.m
Data File	: AP9L5.D	Operator	: SV112:slr
Date Inj'd	: 8/17/2025 11:20 pm	Instrument	: SV112
Sample	: IL6,32,,AP9L2.5 Lot# 11840	Quant Date	: 8/18/2025 6:19 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L4.D
Acq On : 17 Aug 2025 11:43 pm
Operator : SV112:slr
Sample : IL7,32,,AP9L1 Lot# 11841
Misc : WG2104073,,ical
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 18 06:18:37 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:18:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.763	152	21008	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery = 94.39%			
55) IS2_Naphthalene-d8	5.010	136	83460	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery = 95.94%			
83) IS2_Acenaphthene-d10	6.687	164	53020	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery = 94.65%			
98) IS2_Phenanthrene-d10	8.081	188	124339	4.000	ug/ml #	0.00
Standard Area 3 = 123466			Recovery = 100.71%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.311	105	3087	0.992	ug/ml	91
29) Acetophenone	4.193	105	10270	0.979	ug/ml#	89
30) m-Toluidine	4.281	106	5556	0.968	ug/ml	99
31) 2-Chloroaniline	4.634	127	8968	1.005	ug/ml	99
56) a-Terpineol	5.099	59	6192	1.013	ug/ml	99
57) 3-Chloroaniline	5.105	65	2808	1.077	ug/ml	94
58) 2,6-Dichlorophenol	5.128	162	5779	1.022	ug/ml	92
59) 1-chloro-2-nitrobenzene	5.375	111	2872	1.026	ug/ml	95
60) Caprolactam	5.422	55	3585	1.067	ug/ml	87
61) 1,2,4,5-Tetrachloroben...	5.875	216	9695	1.009	ug/ml	98
62) Biphenyl	6.169	154	21059	0.973	ug/ml	98
84) Dichloran	7.810	206	2264	1.034	ug/ml#	74
85) Pentachloronitrobenzene	7.946	237	2566	0.998	ug/ml#	86
99) Diphenamid	9.016	167	14472	0.972	ug/ml	89

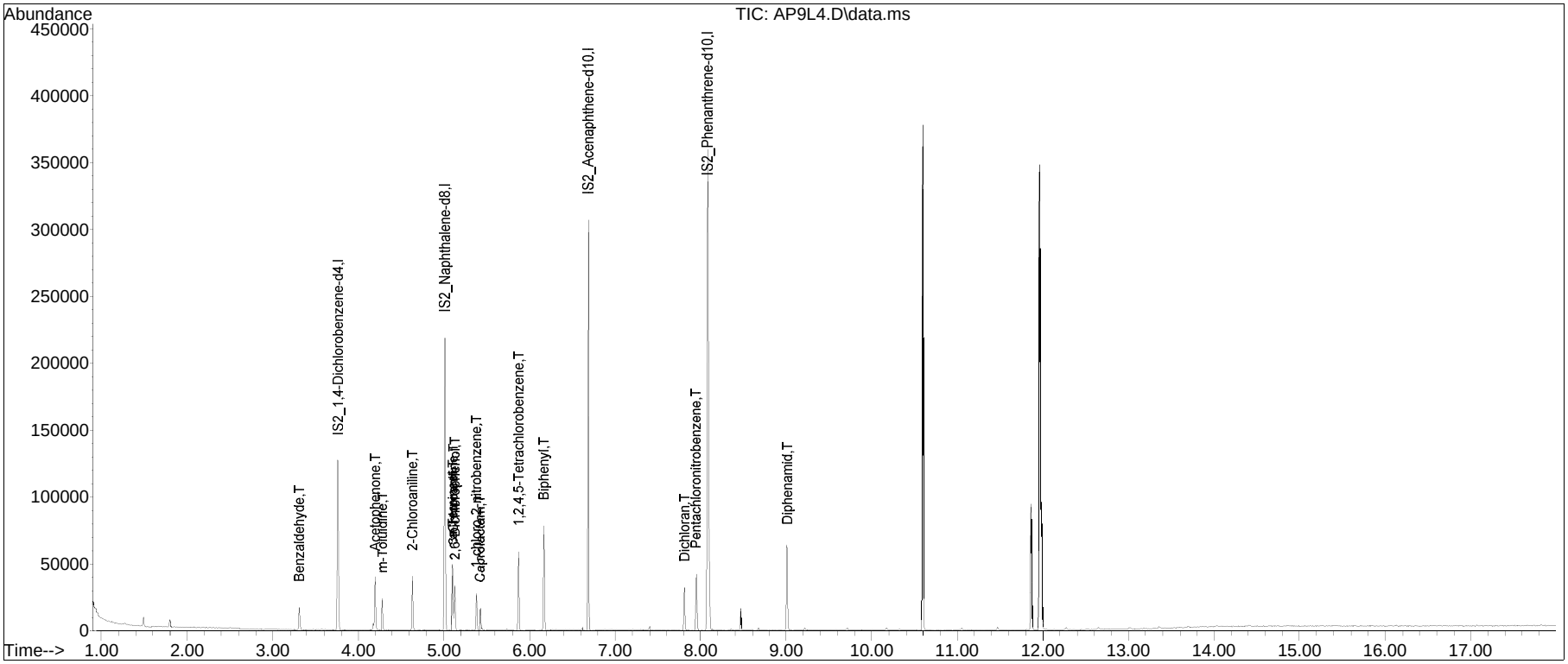
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L4.D
Acq On : 17 Aug 2025 11:43 pm
Operator : SV112:slr
Sample : IL7,32,,AP9L1 Lot# 11841
Misc : WG2104073,,ical
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 18 06:18:37 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:18:29 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\250817RVTica	QMethod	: FS250817SV112RVT.m
Data File	: AP9L4.D	Operator	: SV112:slr
Date Inj'd	: 8/17/2025 11:43 pm	Instrument	: SV112
Sample	: IL7,32,,AP9L1 Lot# 11841	Quant Date	: 8/18/2025 6:19 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L3.D
Acq On : 18 Aug 2025 12:05 am
Operator : SV112:slr
Sample : IL8,32,,AP9L0.5 Lot# 11842
Misc : WG2104073,,ical
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 18 06:18:27 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:18:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.763	152	21187	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery = 95.20%			
55) IS2_Naphthalene-d8	5.010	136	83932	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery = 96.48%			
83) IS2_Acenaphthene-d10	6.687	164	53689	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery = 95.84%			
98) IS2_Phenanthrene-d10	8.081	188	120954	4.000	ug/ml	0.00
Standard Area 3 = 123466			Recovery = 97.97%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.310	105	1853	0.590	ug/ml	100
29) Acetophenone	4.193	105	5914	0.559	ug/ml#	86
30) m-Toluidine	4.281	106	2729	0.471	ug/ml#	92
31) 2-Chloroaniline	4.634	127	5174	0.575	ug/ml	99
56) a-Terpineol	5.099	59	3475	0.565	ug/ml	95
57) 3-Chloroaniline	5.104	65	1695	0.646	ug/ml	84
58) 2,6-Dichlorophenol	5.128	162	3098	0.545	ug/ml#	88
59) 1-chloro-2-nitrobenzene	5.375	111	1519	0.539	ug/ml	93
60) Caprolactam	5.428	55	1920	0.568	ug/ml	90
61) 1,2,4,5-Tetrachloroben...	5.875	216	5693	0.589	ug/ml#	90
62) Biphenyl	6.169	154	12817	0.589	ug/ml	99
84) Dichloran	7.810	206	1346	0.607	ug/ml#	69
85) Pentachloronitrobenzene	7.945	237	1465	0.562	ug/ml#	82
99) Diphenamid	9.016	167	8269	0.571	ug/ml	90

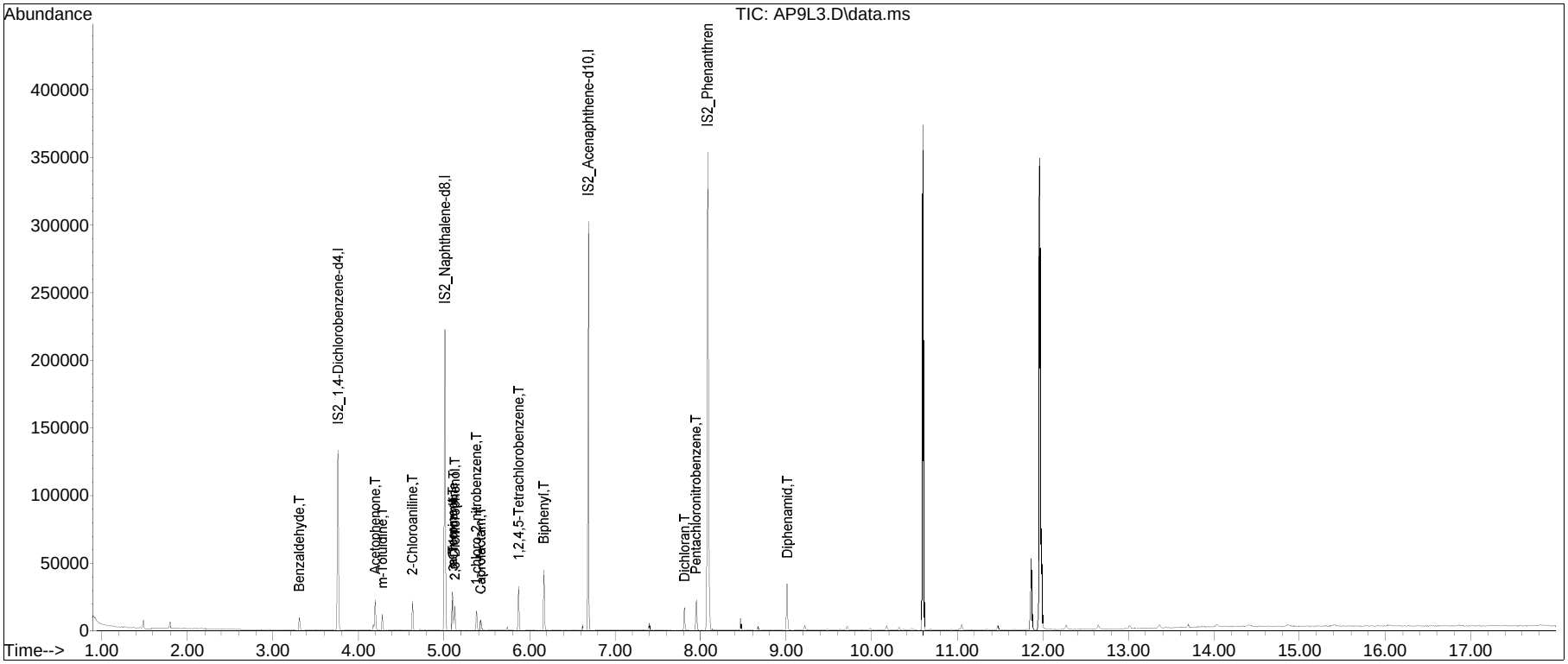
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L3.D
Acq On : 18 Aug 2025 12:05 am
Operator : SV112:slr
Sample : IL8,32,,AP9L0.5 Lot# 11842
Misc : WG2104073,,ical
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 18 06:18:27 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:18:29 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\250817RVTica	QMethod	: FS250817SV112RVT.m
Data File	: AP9L3.D	Operator	: SV112:slr
Date Inj'd	: 8/18/2025 12:05 am	Instrument	: SV112
Sample	: IL8,32,,AP9L0.5 Lot# 11842	Quant Date	: 8/18/2025 6:19 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L2.D
Acq On : 18 Aug 2025 12:28 am
Operator : SV112:slr
Sample : IL9,32,,AP9L0.2 Lot# 11843
Misc : WG2104073,,ical
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 18 06:18:19 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:18:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.764	152	20519	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery = 92.20%			
55) IS2_Naphthalene-d8	5.011	136	80580	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery = 92.62%			
83) IS2_Acenaphthene-d10	6.687	164	52333	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery = 93.42%			
98) IS2_Phenanthrene-d10	8.081	188	117303	4.000	ug/ml	# 0.00
Standard Area 3 = 123466			Recovery = 95.01%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.317	105	647	0.213	ug/ml	97
29) Acetophenone	4.193	105	2137	0.209	ug/ml#	78
30) m-Toluidine	4.281	106	324M2	0.058	ug/ml	
31) 2-Chloroaniline	4.634	127	1739	0.200	ug/ml#	46
56) a-Terpineol	5.099	59	1185	0.201	ug/ml#	84
57) 3-Chloroaniline	5.105	65	514	0.204	ug/ml#	72
58) 2,6-Dichlorophenol	5.128	162	1082	0.198	ug/ml	94
59) 1-chloro-2-nitrobenzene	5.375	111	628	0.232	ug/ml#	60
60) Caprolactam	5.434	55	464M2	0.143	ug/ml	
61) 1,2,4,5-Tetrachloroben...	5.875	216	1955	0.211	ug/ml#	87
62) Biphenyl	6.169	154	4438	0.212	ug/ml	95
84) Dichloran	7.810	206	446M2	0.206	ug/ml	
85) Pentachloronitrobenzene	7.946	237	525	0.207	ug/ml#	9
99) Diphenamid	9.010	167	2827	0.201	ug/ml	92

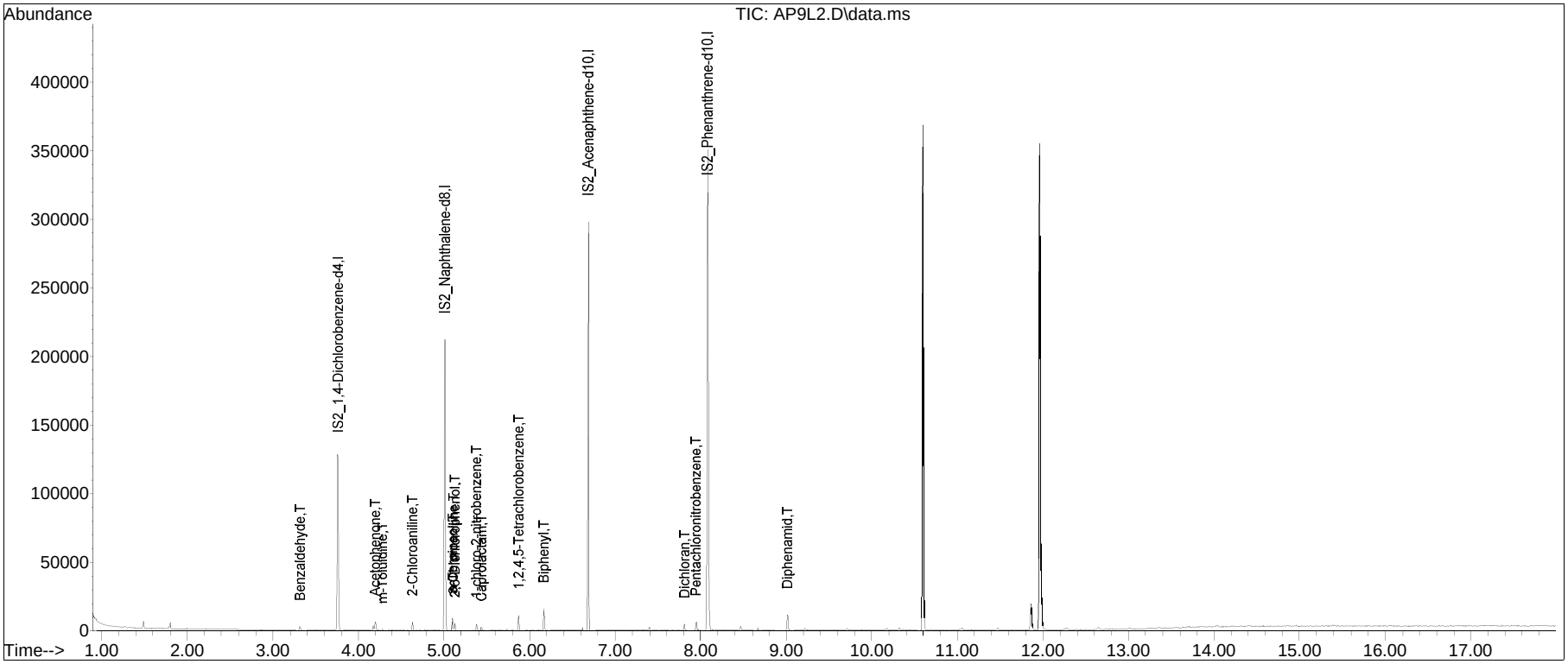
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L2.D
Acq On : 18 Aug 2025 12:28 am
Operator : SV112:slr
Sample : IL9,32,,AP9L0.2 Lot# 11843
Misc : WG2104073,,ical
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 18 06:18:19 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:18:29 2025
Response via : Initial Calibration

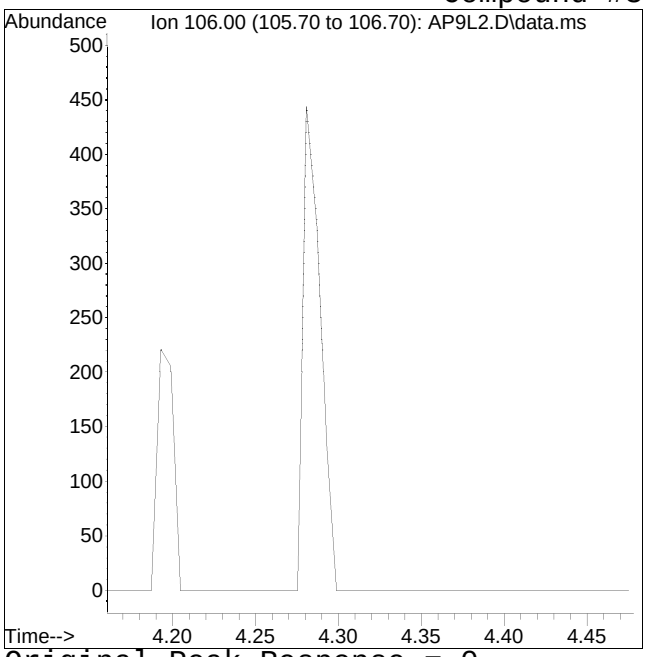
Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



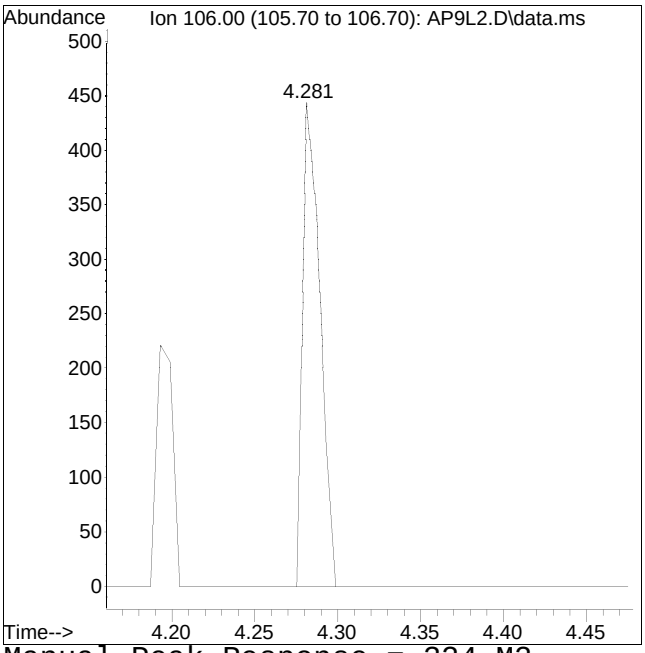
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : AP9L2.D Operator : SV112:slr
Date Inj'd : 8/18/2025 12:28 am Instrument : SV112
Sample : IL9,32,,AP9L0.2 Lot# 11843Quant Date : 8/18/2025 6:19 am

Compound #30: m-Toluidine



Original Peak Response = 0



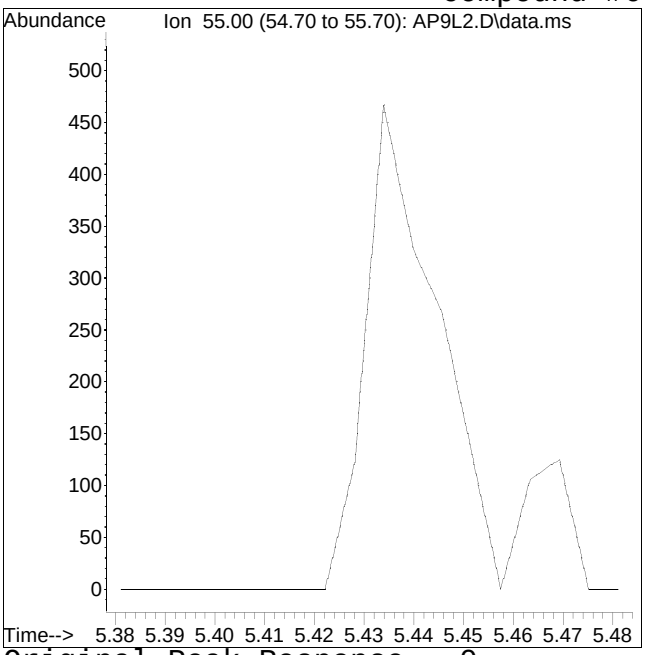
Manual Peak Response = 324 M2

M2 = Peak not found by automatic integration algorithm.

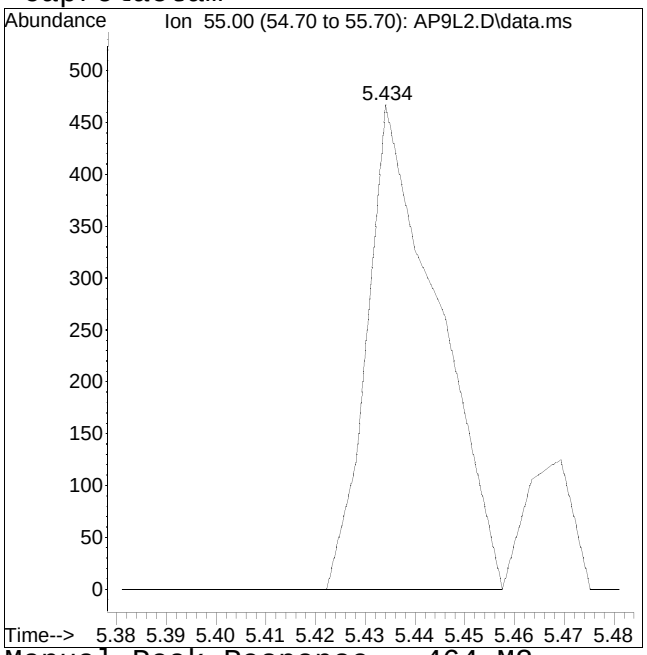
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : AP9L2.D Operator : SV112:slr
Date Inj'd : 8/18/2025 12:28 am Instrument : SV112
Sample : IL9,32,,AP9L0.2 Lot# 11843Quant Date : 8/18/2025 6:19 am

Compound #60: Caprolactam



Original Peak Response = 0



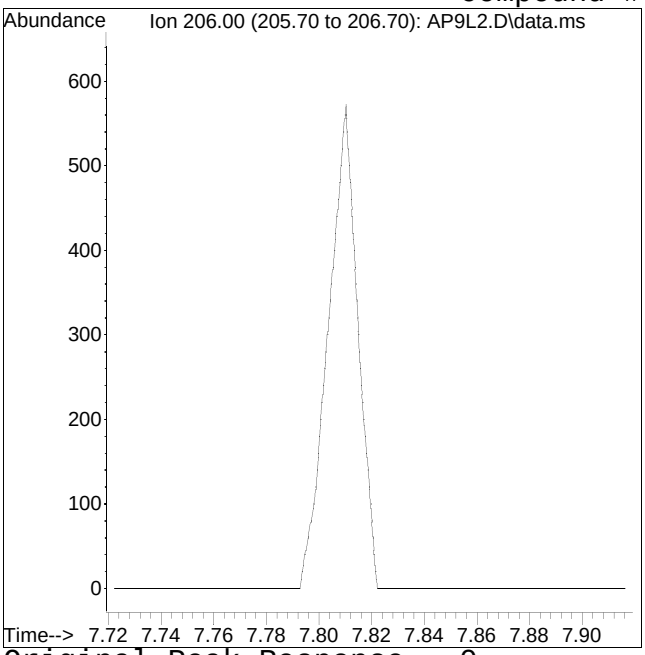
Manual Peak Response = 464 M2

M2 = Peak not found by automatic integration algorithm.

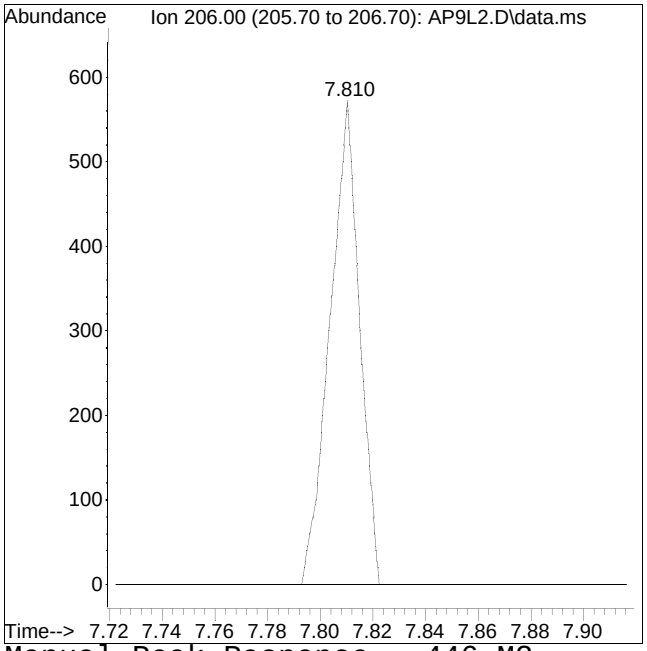
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : AP9L2.D Operator : SV112:slr
Date Inj'd : 8/18/2025 12:28 am Instrument : SV112
Sample : IL9,32,,AP9L0.2 Lot# 11843Quant Date : 8/18/2025 6:19 am

Compound #84: Dichloran



Original Peak Response = 0



Manual Peak Response = 446 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L1.D
Acq On : 18 Aug 2025 12:50 am
Operator : SV112:slr
Sample : IL10,32,,AP9L0.1 Lot# 11865
Misc : WG2104073,,ical
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 18 06:18:10 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:18:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.764	152	18701	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery = 84.03%			
55) IS2_Naphthalene-d8	5.011	136	72576	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery = 83.42%			
83) IS2_Acenaphthene-d10	6.687	164	46826	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery = 83.59%			
98) IS2_Phenanthrene-d10	8.081	188	106960	4.000	ug/ml	# 0.00
Standard Area 3 = 123466			Recovery = 86.63%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.317	105	226M2	0.082	ug/ml	
29) Acetophenone	4.199	105	855	0.092	ug/ml#	51
30) m-Toluidine	0.000		0	N.D.		
31) 2-Chloroaniline	4.640	127	702	0.088	ug/ml#	46
56) a-Terpineol	5.099	59	458M2	0.086	ug/ml	
57) 3-Chloroaniline	5.105	65	118M2	0.052	ug/ml	
58) 2,6-Dichlorophenol	5.128	162	409M2	0.083	ug/ml	
59) 1-chloro-2-nitrobenzene	5.381	111	176M2	0.072	ug/ml	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	5.875	216	698	0.084	ug/ml#	19
62) Biphenyl	6.169	154	1669	0.089	ug/ml	96
84) Dichloran	7.810	206	137M2	0.071	ug/ml	
85) Pentachloronitrobenzene	7.946	237	192M2	0.085	ug/ml	
99) Diphenamid	9.010	167	1106	0.086	ug/ml#	94

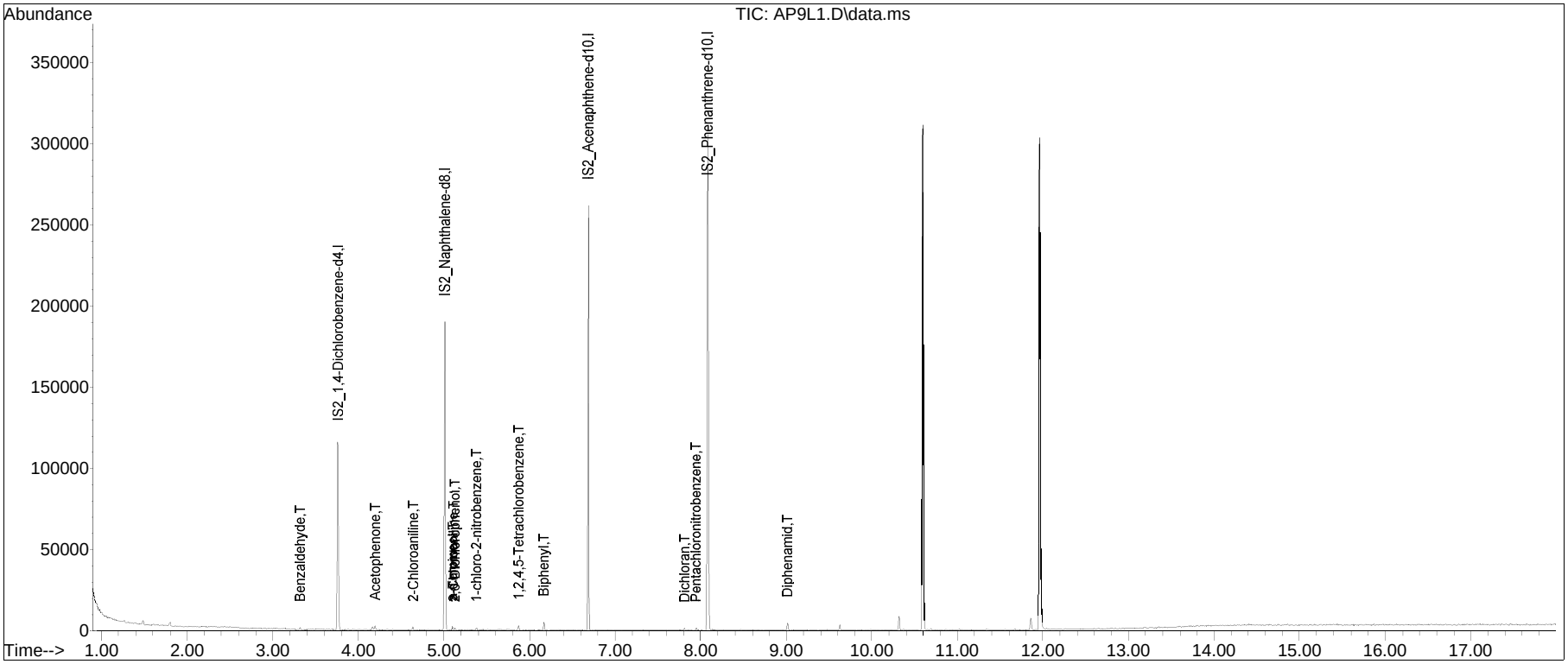
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L1.D
Acq On : 18 Aug 2025 12:50 am
Operator : SV112:slr
Sample : IL10,32,,AP9L0.1 Lot# 11865
Misc : WG2104073,,ical
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 18 06:18:10 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:18:29 2025
Response via : Initial Calibration

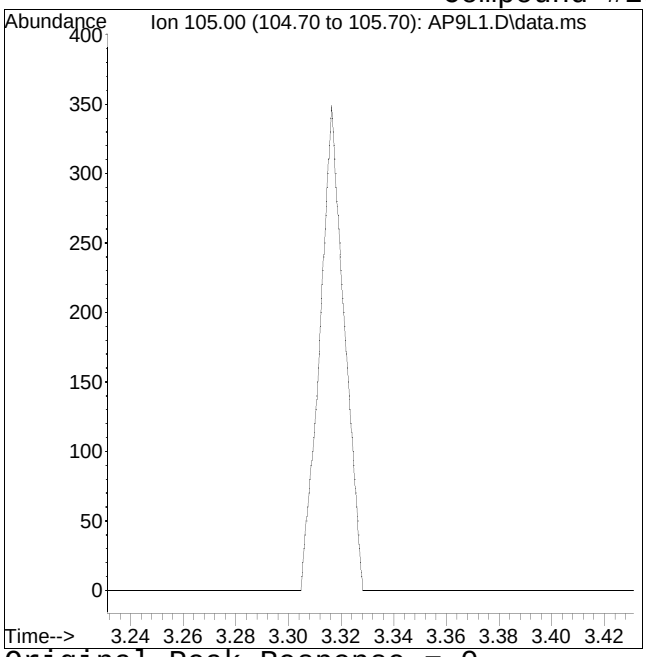
Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



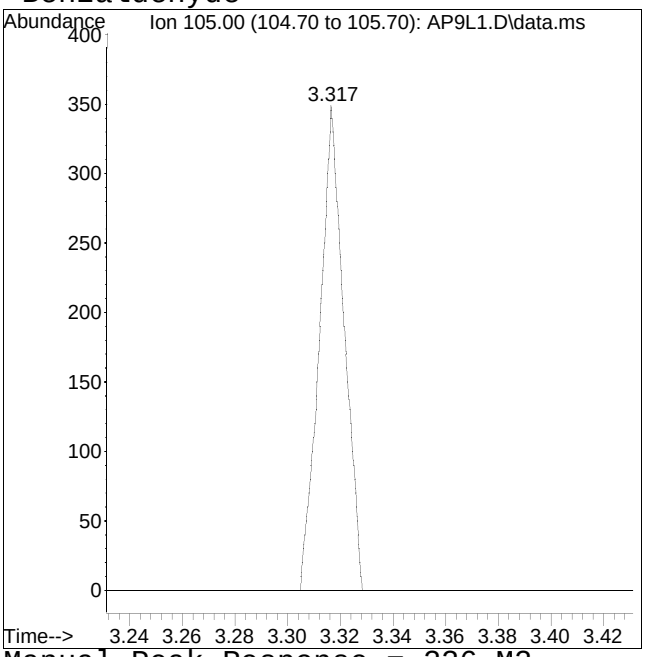
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : AP9L1.D Operator : SV112:slr
Date Inj'd : 8/18/2025 12:50 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1186Quant Date : 8/18/2025 6:18 am

Compound #28: Benzaldehyde



Original Peak Response = 0



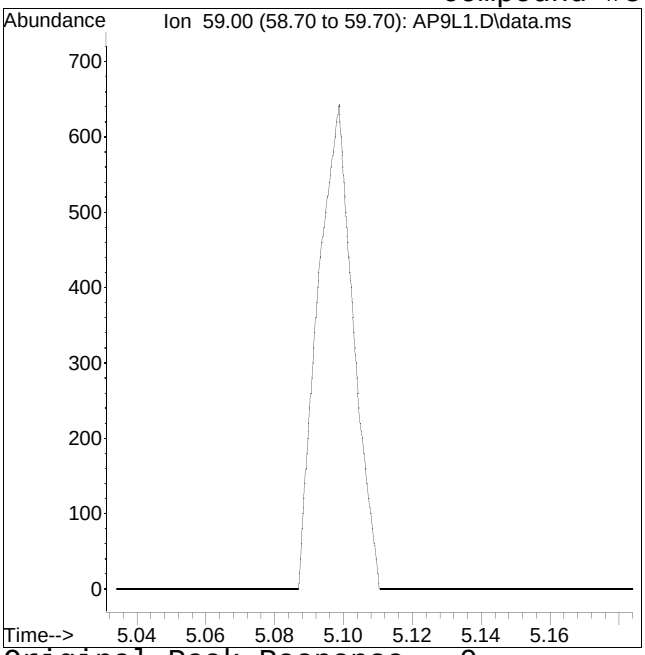
Manual Peak Response = 226 M2

M2 = Peak not found by automatic integration algorithm.

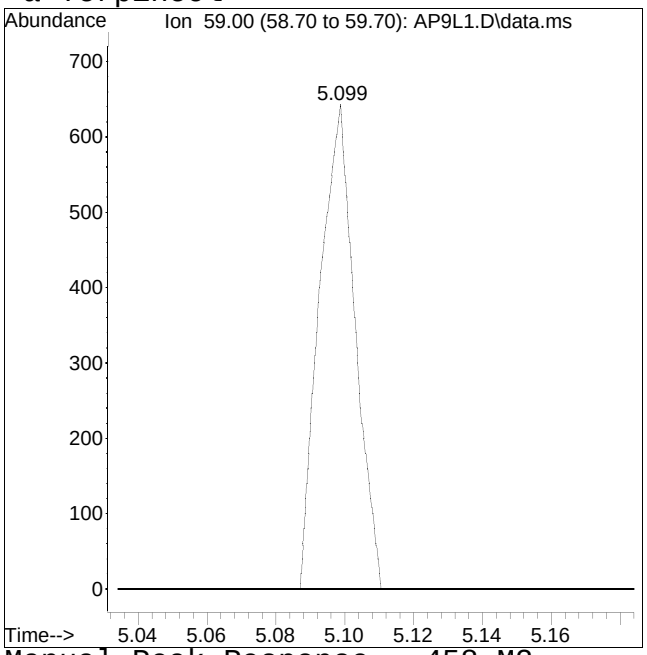
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : AP9L1.D Operator : SV112:slr
Date Inj'd : 8/18/2025 12:50 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1186Quant Date : 8/18/2025 6:18 am

Compound #56: a-Terpineol



Original Peak Response = 0



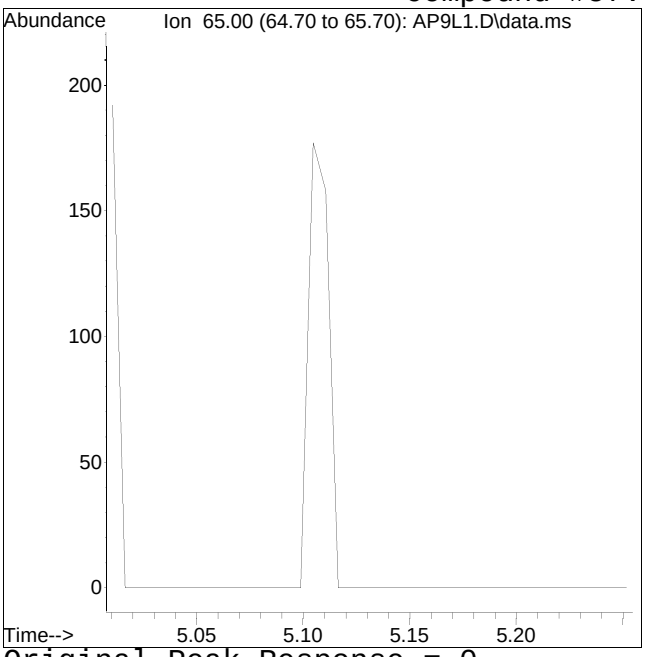
Manual Peak Response = 458 M2

M2 = Peak not found by automatic integration algorithm.

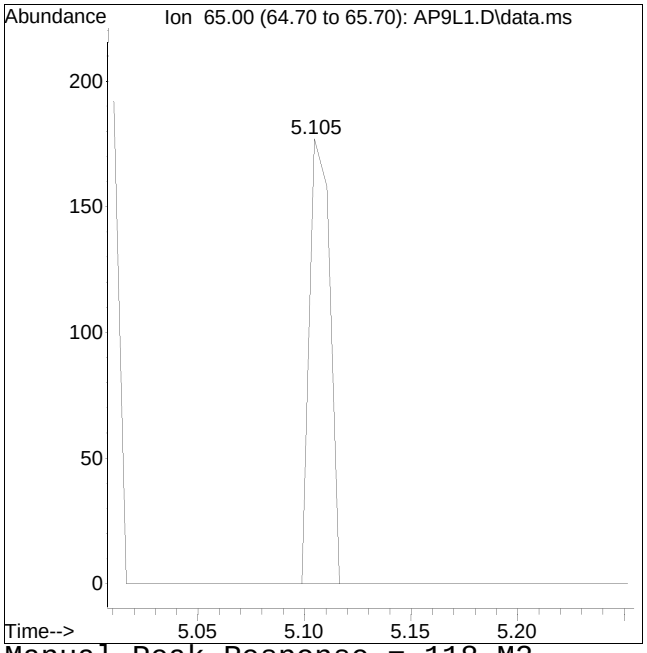
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : AP9L1.D Operator : SV112:slr
Date Inj'd : 8/18/2025 12:50 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1186Quant Date : 8/18/2025 6:18 am

Compound #57: 3-Chloroaniline



Original Peak Response = 0



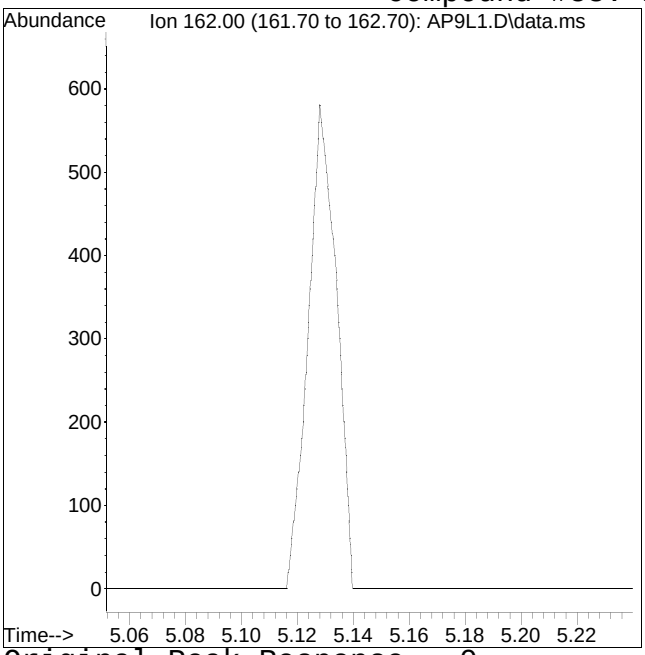
Manual Peak Response = 118 M2

M2 = Peak not found by automatic integration algorithm.

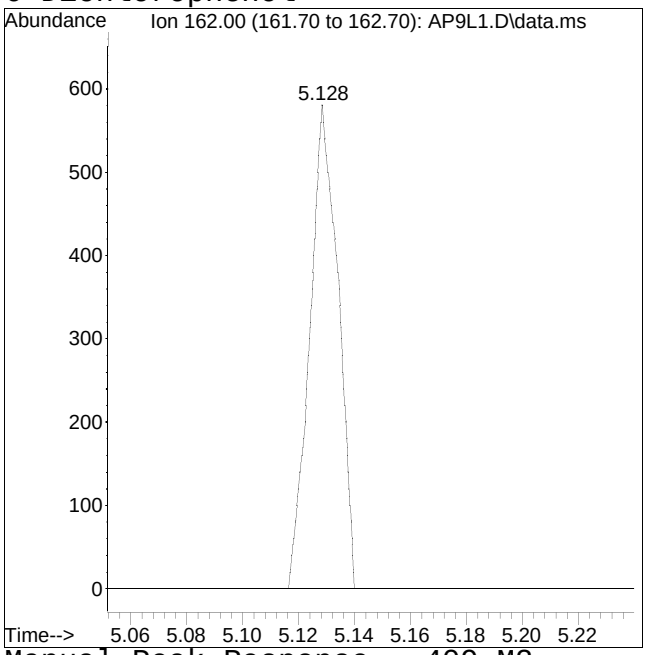
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : AP9L1.D Operator : SV112:slr
Date Inj'd : 8/18/2025 12:50 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1186Quant Date : 8/18/2025 6:18 am

Compound #58: 2,6-Dichlorophenol



Original Peak Response = 0



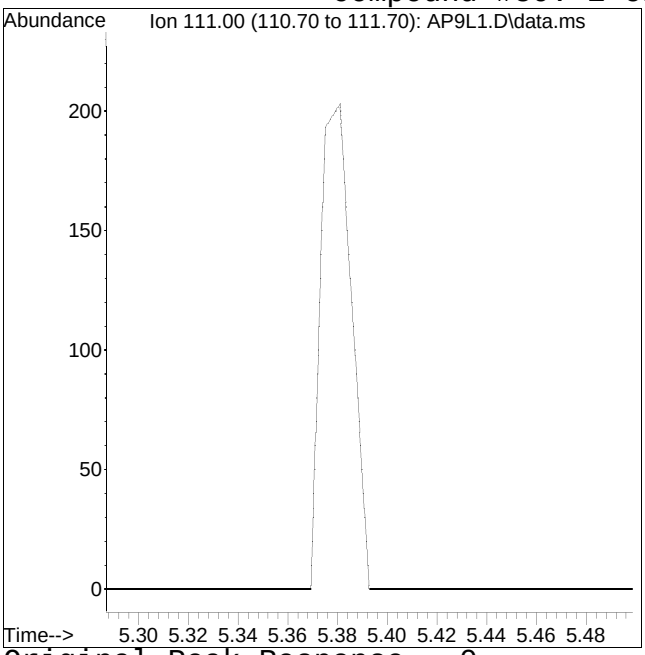
Manual Peak Response = 409 M2

M2 = Peak not found by automatic integration algorithm.

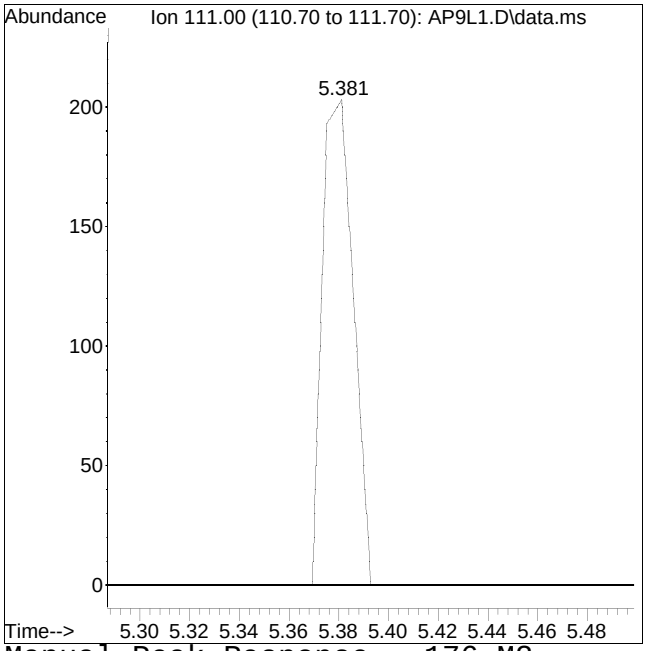
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : AP9L1.D Operator : SV112:slr
Date Inj'd : 8/18/2025 12:50 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1186Quant Date : 8/18/2025 6:18 am

Compound #59: 1-chloro-2-nitrobenzene



Original Peak Response = 0



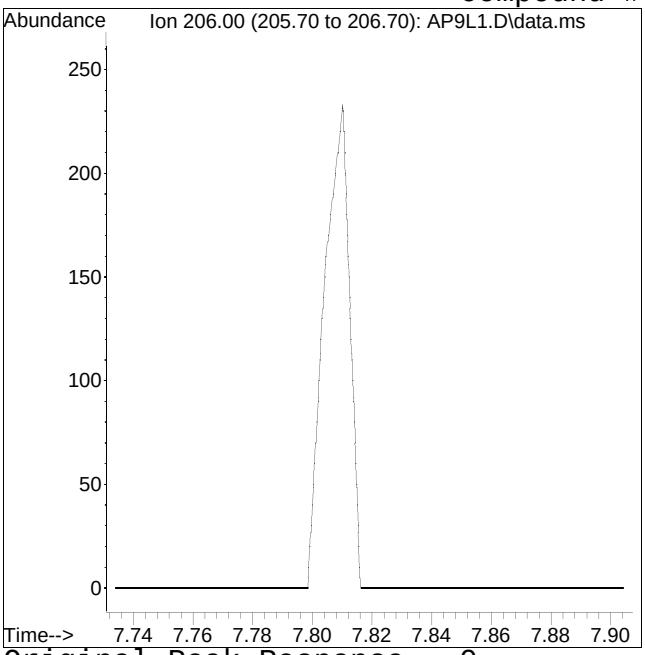
Manual Peak Response = 176 M2

M2 = Peak not found by automatic integration algorithm.

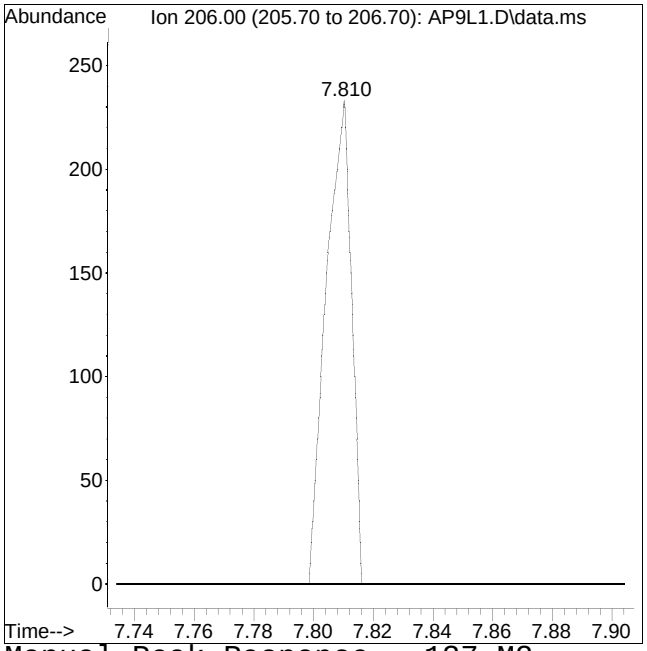
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : AP9L1.D Operator : SV112:slr
Date Inj'd : 8/18/2025 12:50 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1186Quant Date : 8/18/2025 6:18 am

Compound #84: Dichloran



Original Peak Response = 0



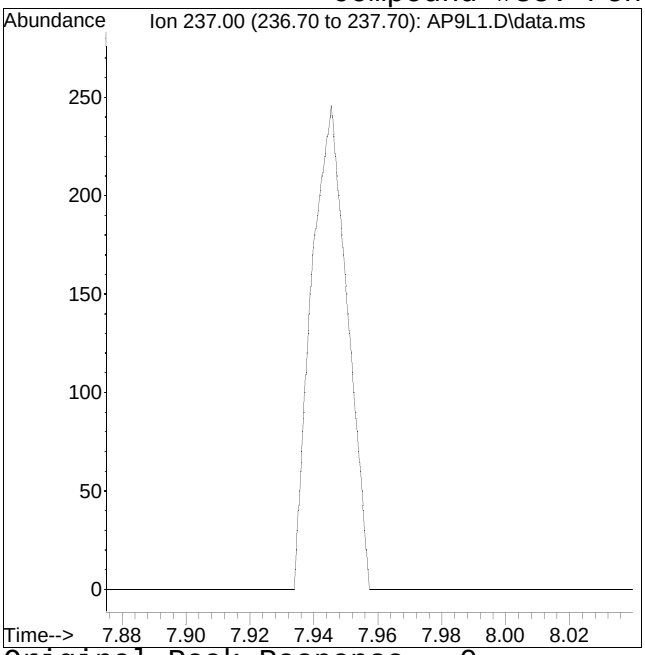
Manual Peak Response = 137 M2

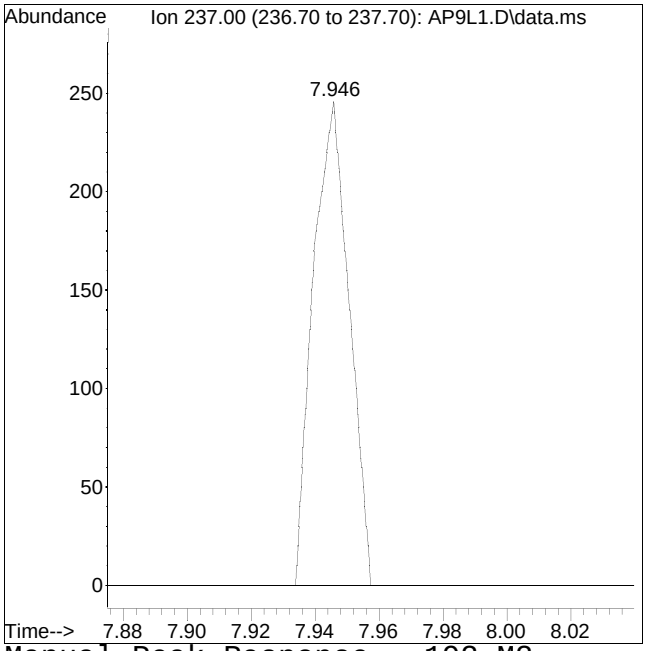
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : AP9L1.D Operator : SV112:slr
Date Inj'd : 8/18/2025 12:50 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1186Quant Date : 8/18/2025 6:18 am

Compound #85: Pentachloronitrobenzene





Original Peak Response = 0 Manual Peak Response = 192 M2
M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9ICV.D
Acq On : 18 Aug 2025 01:35 am
Operator : SV112:slr
Sample : CQICV2,32,,AP9ICV Lot# 11855
Misc : WG2104073,,ical
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 18 06:52:01 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:51:40 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
28	T	Benzaldehyde	0.597	0.732	-22.6	129	0.00
29	T	Acetophenone	1.980	1.882	4.9	99	0.00
30	T	m-Toluidine	1.191	1.395	-17.1	116	0.00
31	T	2-Chloroaniline	1.688	1.618	4.1	98	0.00
55	I	IS2_Naphthalene-d8	1.000	1.000	0.0	101	0.00
56	T	a-Terpineol	0.298	0.284	4.7	99	0.00
57	T	3-Chloroaniline	0.138	0.143	-3.6	106	0.00
58	T	2,6-Dichlorophenol	0.282	0.280	0.7	98	0.00
59	T	1-chloro-2-nitrobenzene	0.137	0.130	5.1	97	0.00
60	T	Caprolactam	0.177	0.169	4.5	99	0.00
61	T	1,2,4,5-Tetrachlorobenzene	0.443	0.416	6.1	99	0.00
62	T	Biphenyl	0.978	0.908	7.2	98	0.00
83	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	102	0.00
84	T	Dichloran	0.179	0.158	11.7	96	0.00
85	T	Pentachloronitrobenzene	0.205	0.189	7.8	100	0.00
98	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	102	0.00
99	T	Diphenamid	0.494	0.480	2.8	101	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9ICV.D
Acq On : 18 Aug 2025 01:35 am
Operator : SV112:slr
Sample : CQICV2,32,,AP9ICV Lot# 11855
Misc : WG2104073,,ical
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 18 06:52:01 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:51:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.764	152	22105	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery = 99.32%			
55) IS2_Naphthalene-d8	5.011	136	88030	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery = 101.19%			
83) IS2_Acenaphthene-d10	6.687	164	57313	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery = 102.31%			
98) IS2_Phenanthrene-d10	8.081	188	125850	4.000	ug/ml	0.00
Standard Area 3 = 123466			Recovery = 101.93%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.305	105	20215	6.129	ug/ml	95
29) Acetophenone	4.187	105	52004	4.752	ug/ml	93
30) m-Toluidine	4.281	106	38532	5.853	ug/ml	97
31) 2-Chloroaniline	4.634	127	44702	4.792	ug/ml	99
56) a-Terpineol	5.093	59	31294	4.772	ug/ml	100
57) 3-Chloroaniline	5.105	65	15707	5.157	ug/ml	88
58) 2,6-Dichlorophenol	5.128	162	30864	4.965	ug/ml	92
59) 1-chloro-2-nitrobenzene	5.375	111	14287	4.724	ug/ml	97
60) Caprolactam	5.422	55	18642	4.776	ug/ml	94
61) 1,2,4,5-Tetrachloroben...	5.875	216	45776	4.691	ug/ml	96
62) Biphenyl	6.169	154	99955	4.643	ug/ml	98
84) Dichloran	7.810	206	11291	4.391	ug/ml#	76
85) Pentachloronitrobenzene	7.946	237	13553	4.621	ug/ml#	84
99) Diphenamid	9.016	167	75533	4.856	ug/ml	89

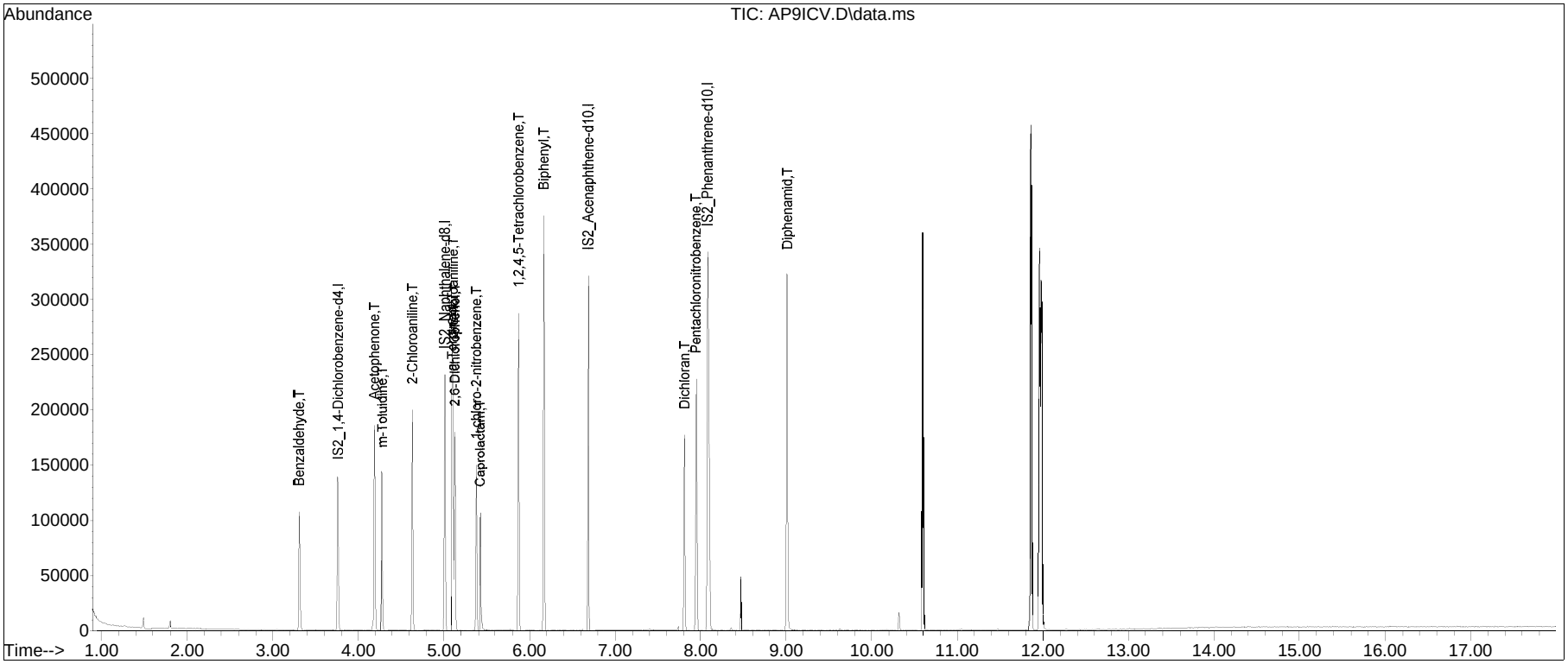
(#) = qualifier out of range (m) = manual integration (+) = signals summed

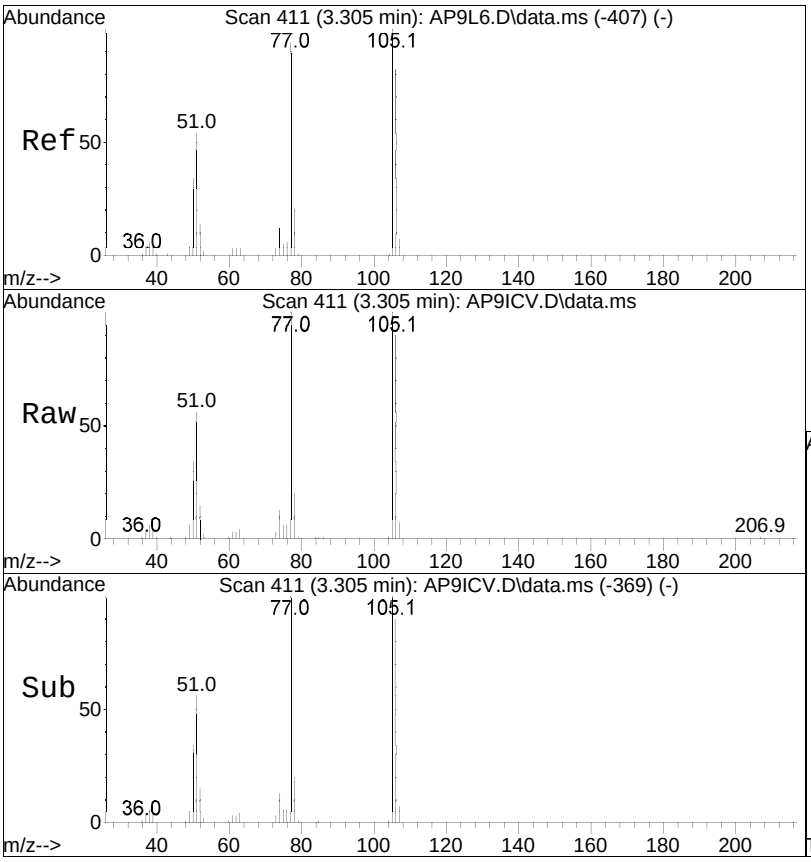
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9ICV.D
Acq On : 18 Aug 2025 01:35 am
Operator : SV112:slr
Sample : CQICV2,32,,AP9ICV Lot# 11855
Misc : WG2104073,,ical
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 18 06:52:01 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:51:40 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•

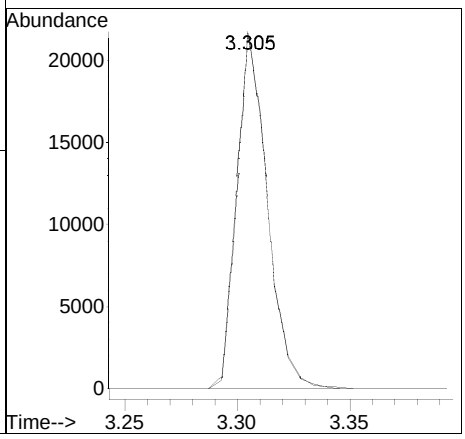


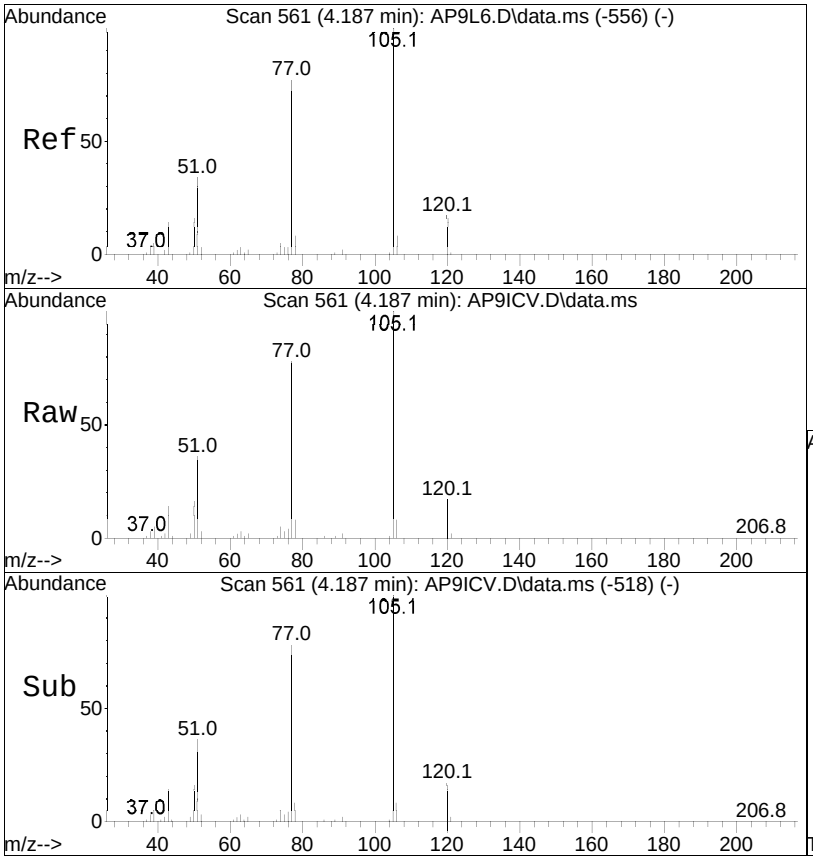


#28
Benzaldehyde
Concen: 6.13 ug/ml
RT: 3.305 min Scan# 411
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 18 Aug 2025 01:35 am

Tgt Ion:105 Resp: 20215

Ion	Ratio	Lower	Upper
105	100		
77	101.4	77.0	115.6

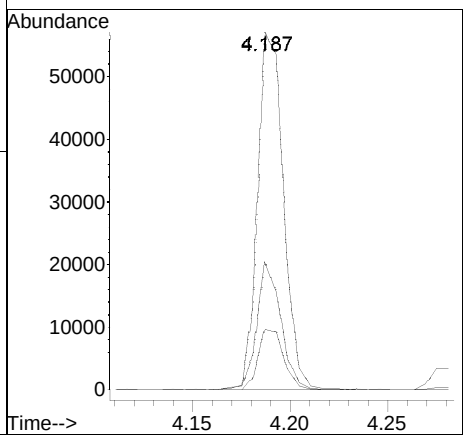


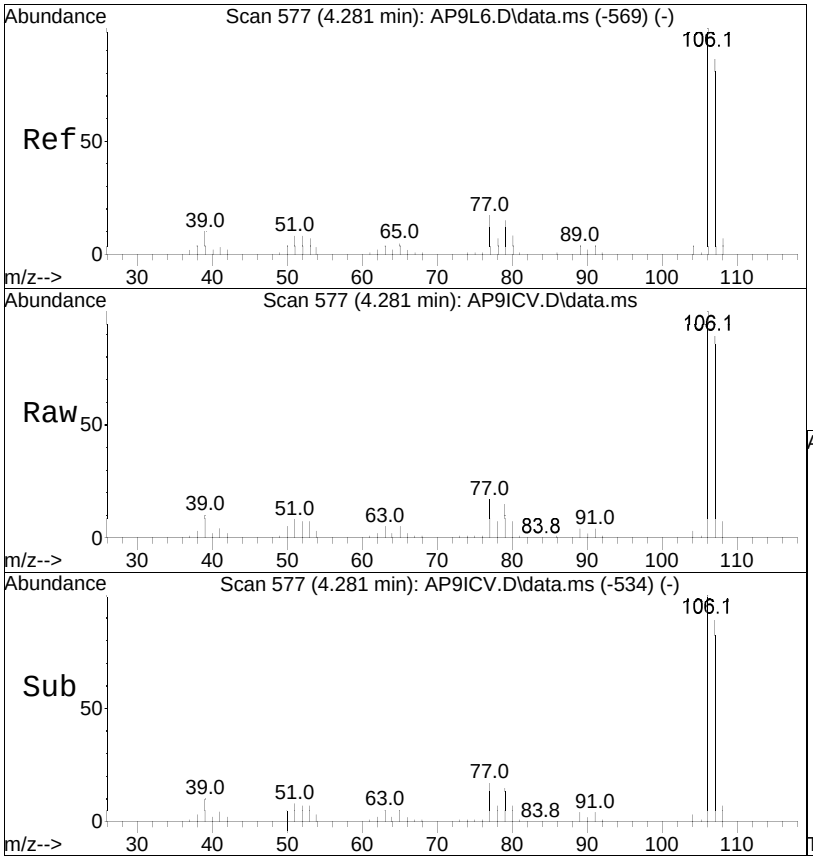


#29
Acetophenone
Concen: 4.75 ug/ml
RT: 4.187 min Scan# 561
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 18 Aug 2025 01:35 am

Tgt Ion:105 Resp: 52004

Ion	Ratio	Lower	Upper
105	100		
120	16.9	15.2	22.8
51	33.5	23.1	34.7

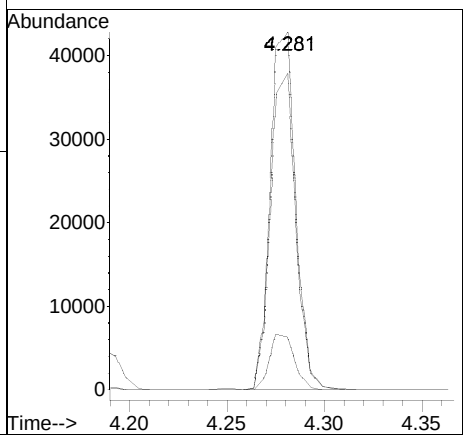


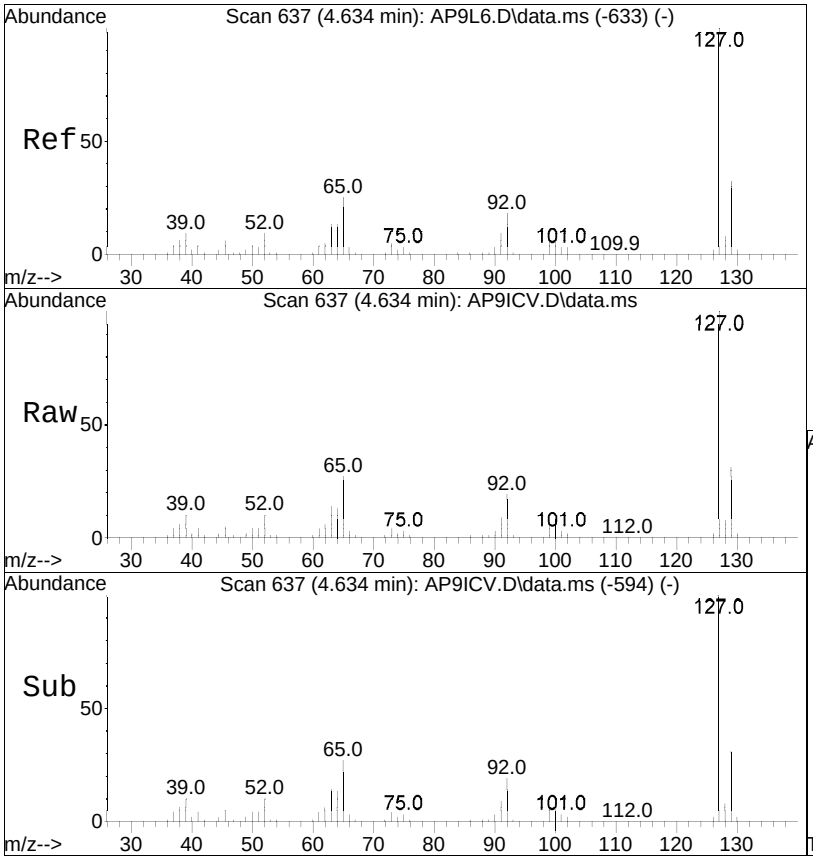


#30
m-Toluidine
Concen: 5.85 ug/ml
RT: 4.281 min Scan# 577
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 18 Aug 2025 01:35 am

Tgt Ion:106 Resp: 38532

Ion	Ratio	Lower	Upper
106	100		
107	87.6	72.3	108.5
79	15.3	12.2	18.2

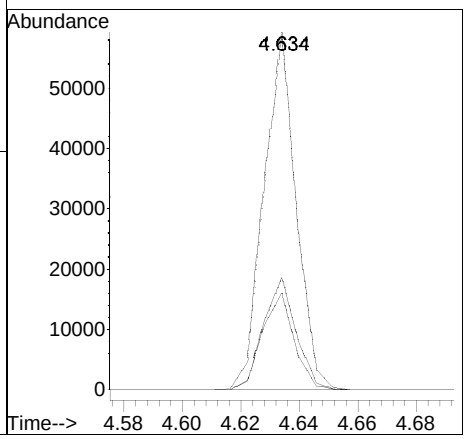


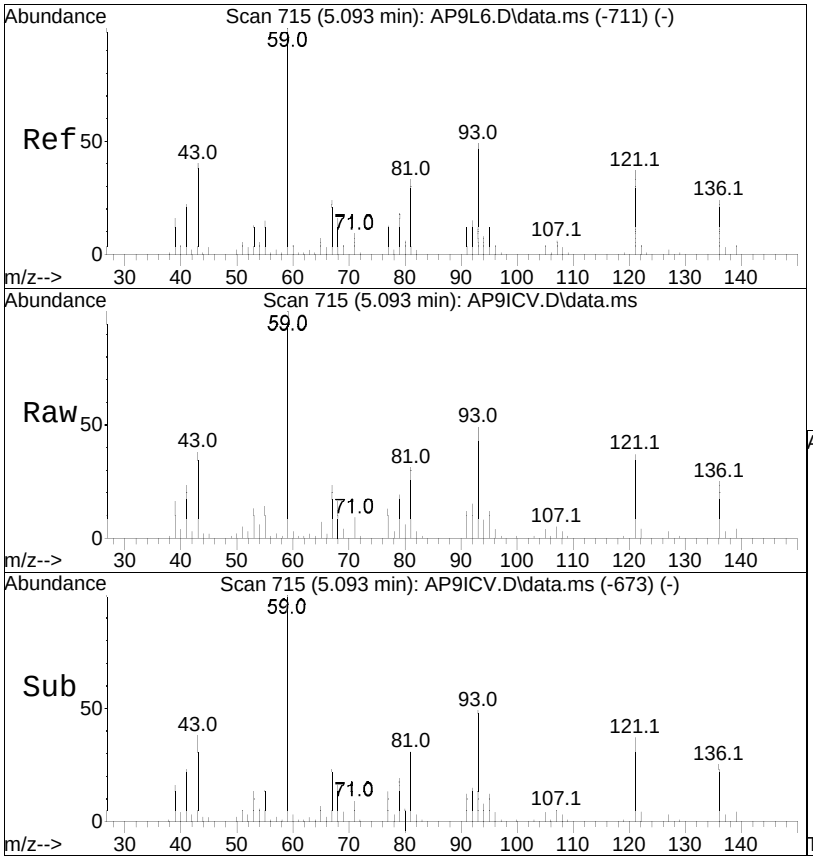


#31
2-Chloroaniline
Concen: 4.79 ug/ml
RT: 4.634 min Scan# 637
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 18 Aug 2025 01:35 am

Tgt Ion:127 Resp: 44702

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.7	38.5
65	27.1	20.5	30.7

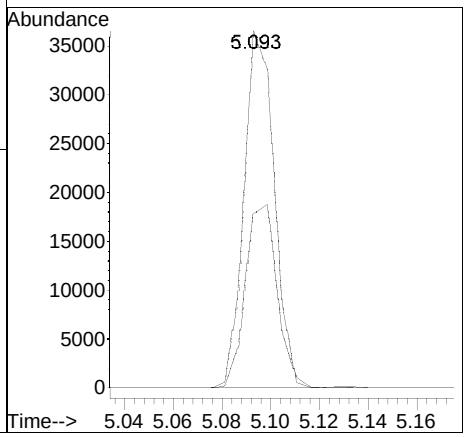


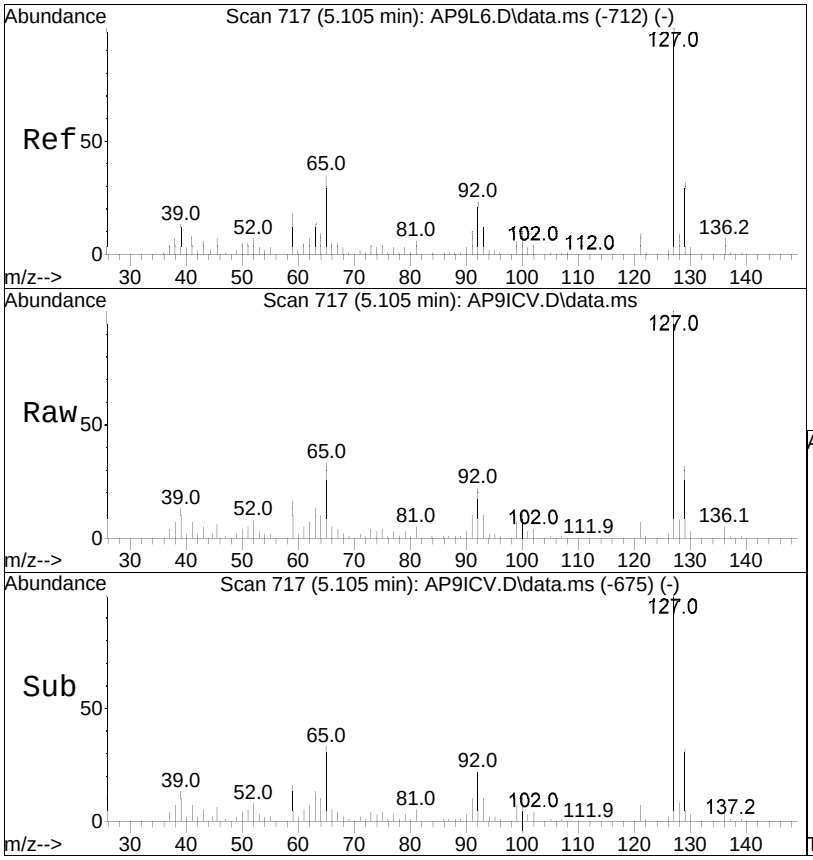


#56
a-Terpineol
Concen: 4.77 ug/ml
RT: 5.093 min Scan# 715
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 18 Aug 2025 01:35 am

Tgt Ion: 59 Resp: 31294

Ion	Ratio	Lower	Upper
59	100		
93	54.2	43.5	65.3

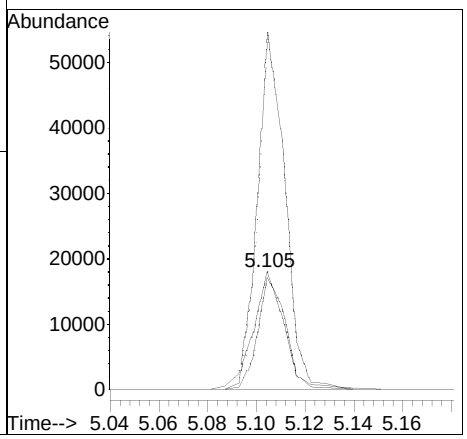


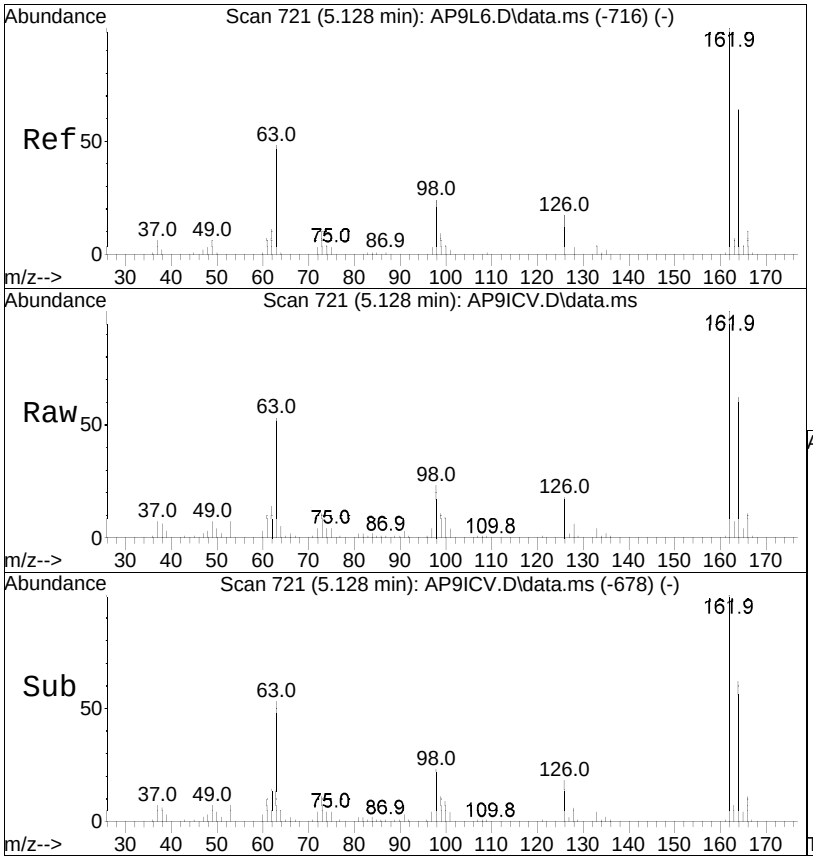


#57
3-Chloroaniline
Concen: 5.16 ug/ml
RT: 5.105 min Scan# 717
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 18 Aug 2025 01:35 am

Tgt Ion: 65 Resp: 15707

Ion	Ratio	Lower	Upper
65	100		
127	270.2	236.6	355.0
129	85.7	76.6	115.0

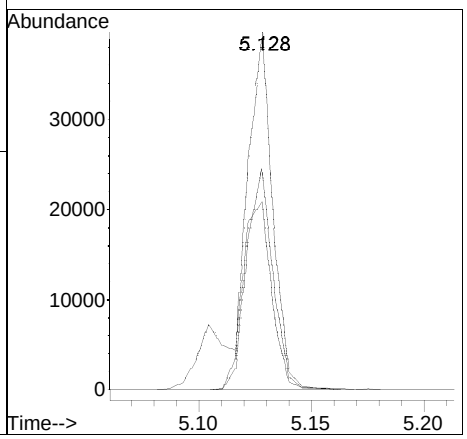


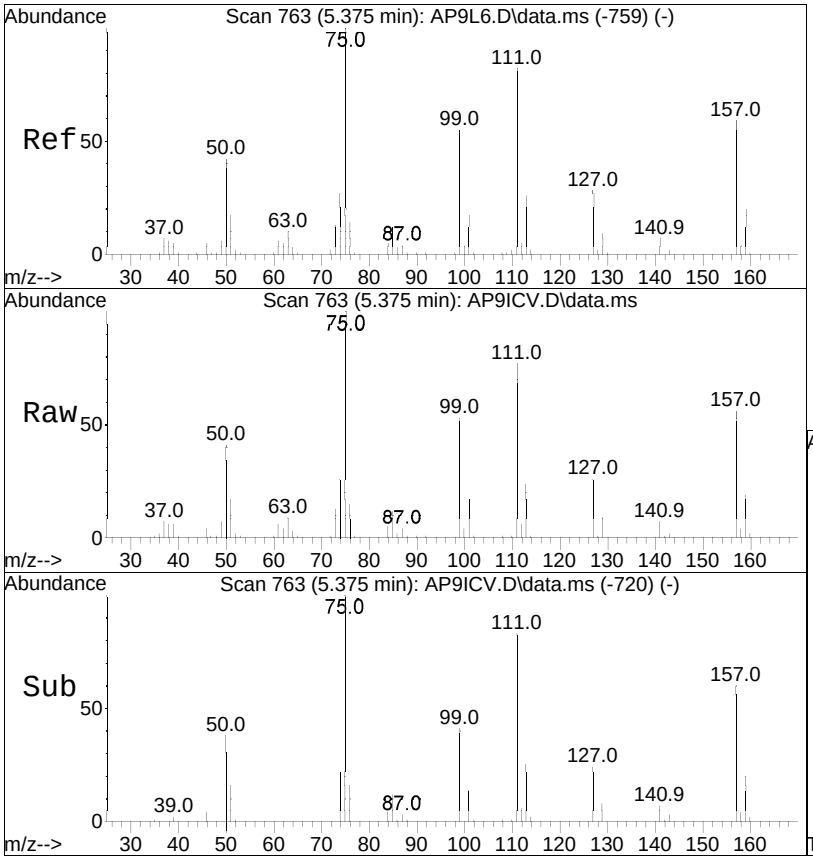


#58
2,6-Dichlorophenol
Concen: 4.96 ug/ml
RT: 5.128 min Scan# 721
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 18 Aug 2025 01:35 am

Tgt Ion:162 Resp: 30864

Ion	Ratio	Lower	Upper
162	100		
164	64.1	50.8	76.2
63	78.8	53.6	80.4

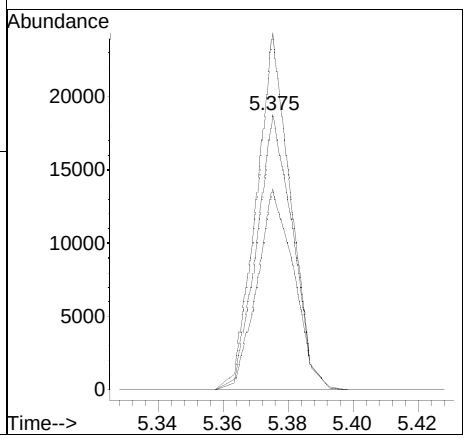


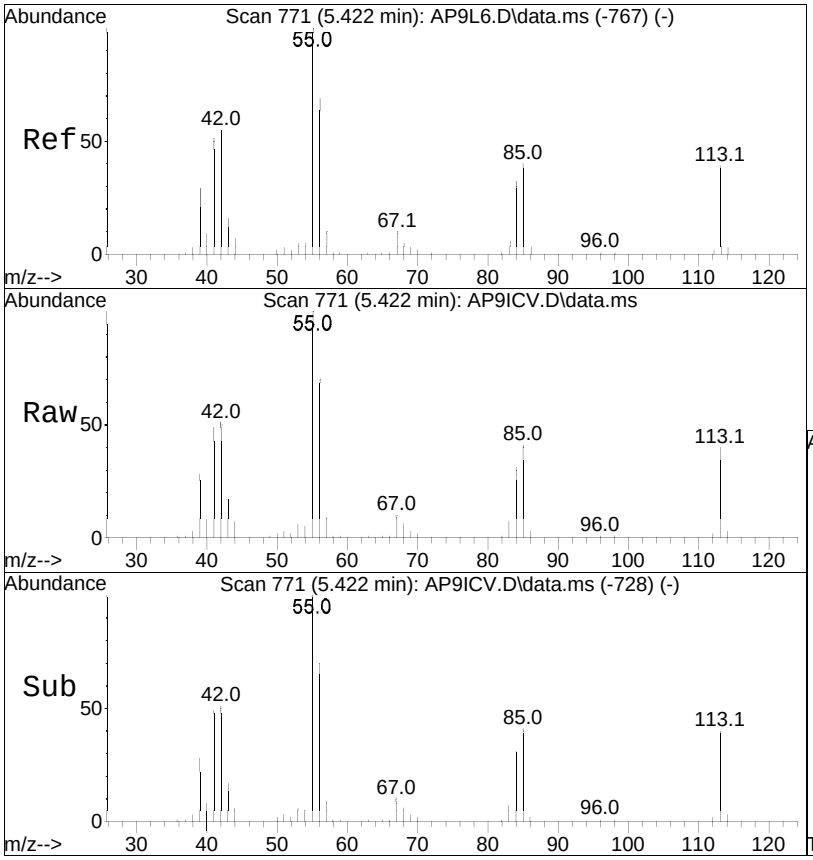


#59
1-chloro-2-nitrobenzene
Concen: 4.72 ug/ml
RT: 5.375 min Scan# 763
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 18 Aug 2025 01:35 am

Tgt Ion:111 Resp: 14287

Ion	Ratio	Lower	Upper
111	100		
157	75.1	56.2	84.2
75	123.4	97.8	146.6

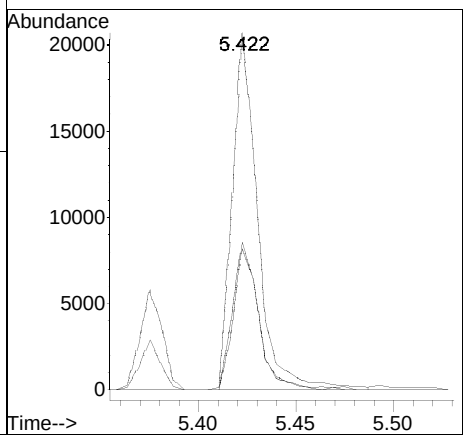


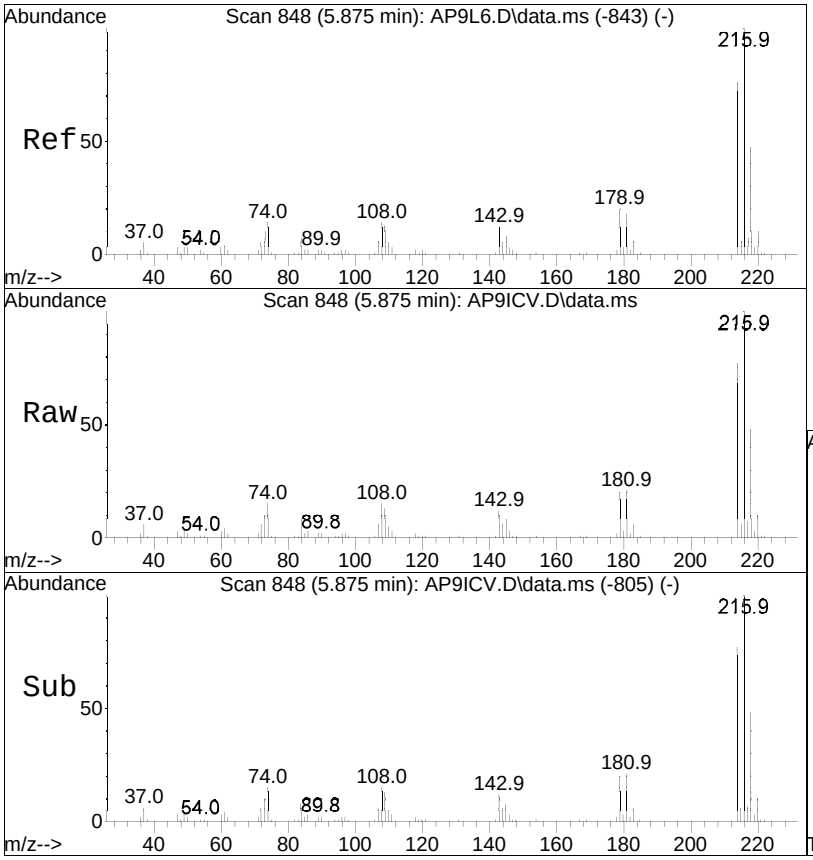


#60
Caprolactam
Concen: 4.78 ug/ml
RT: 5.422 min Scan# 771
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 18 Aug 2025 01:35 am

Tgt Ion: 55 Resp: 18642

Ion	Ratio	Lower	Upper
55	100		
85	42.5	35.2	52.8
113	39.8	36.6	55.0

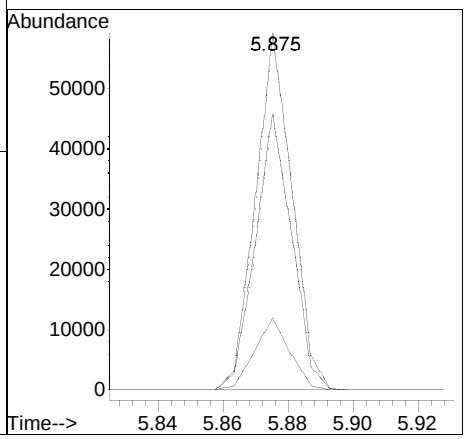


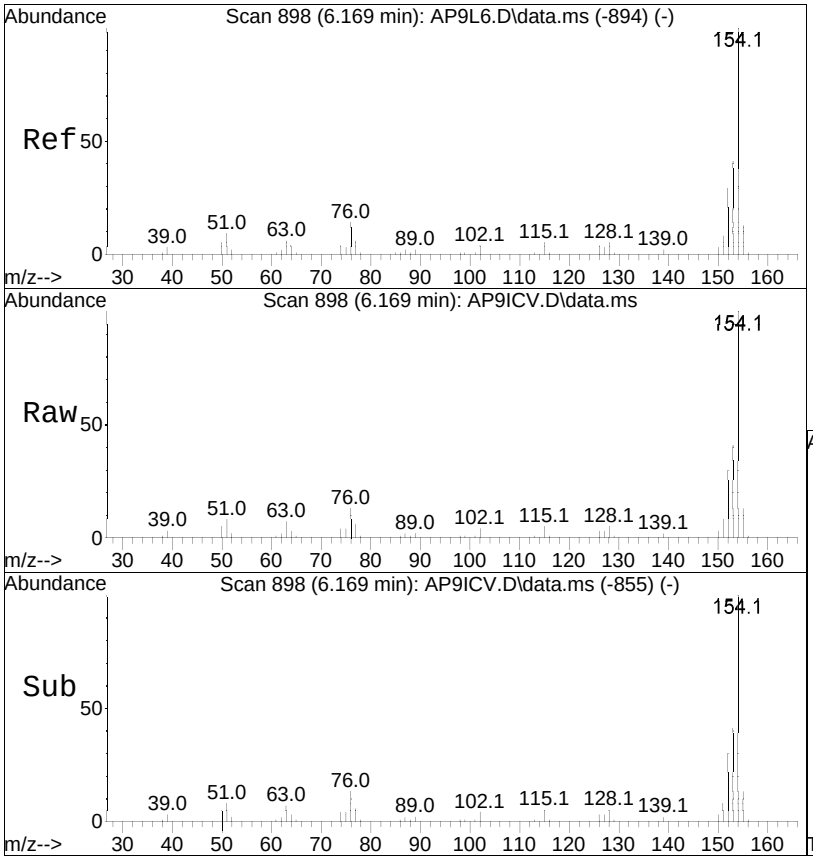


#61
1,2,4,5-Tetrachlorobenzene
Concen: 4.69 ug/ml
RT: 5.875 min Scan# 848
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 18 Aug 2025 01:35 am

Tgt Ion:216 Resp: 45776

Ion	Ratio	Lower	Upper
216	100		
214	77.1	64.0	96.0
179	19.6	18.7	28.1

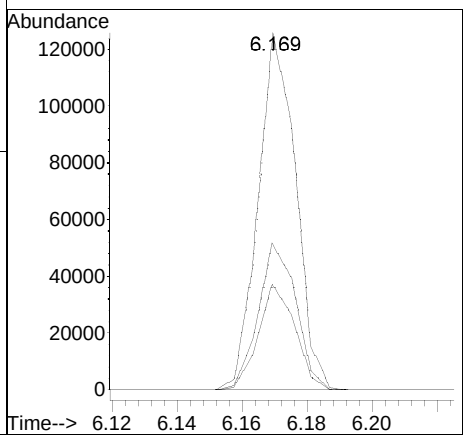


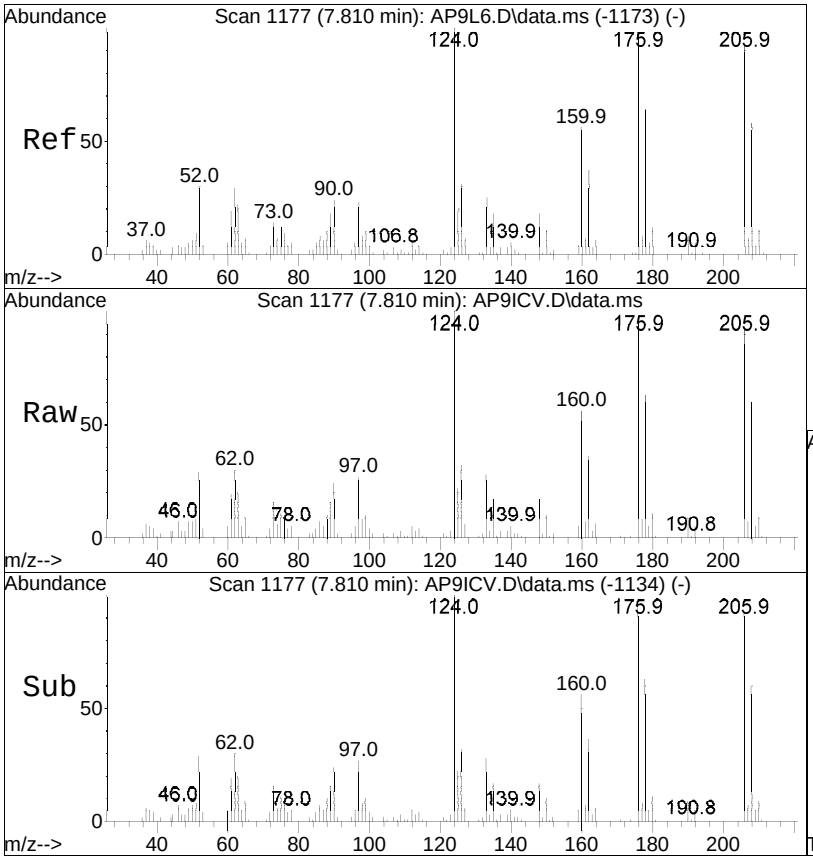


#62
Biphenyl
Concen: 4.64 ug/ml
RT: 6.169 min Scan# 898
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 18 Aug 2025 01:35 am

Tgt Ion:154 Resp: 99955

Ion	Ratio	Lower	Upper
154	100		
153	41.5	32.5	48.7
152	29.2	22.6	34.0

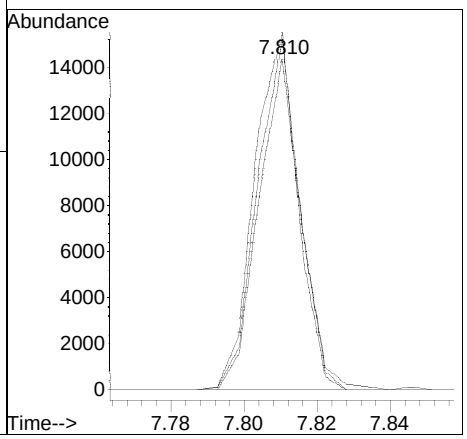


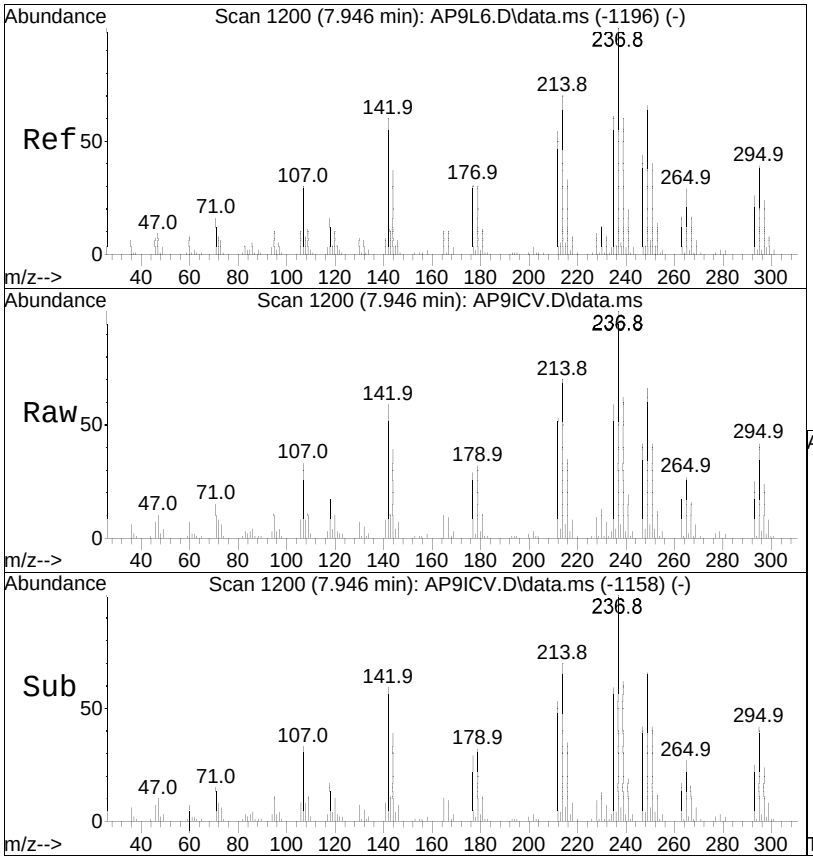


#84
Dichloran
Concen: 4.39 ug/ml
RT: 7.810 min Scan# 1177
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 18 Aug 2025 01:35 am

Tgt Ion:206 Resp: 11291

Ion	Ratio	Lower	Upper
206	100		
176	110.0	98.8	148.2
124	112.5	125.8	188.6#

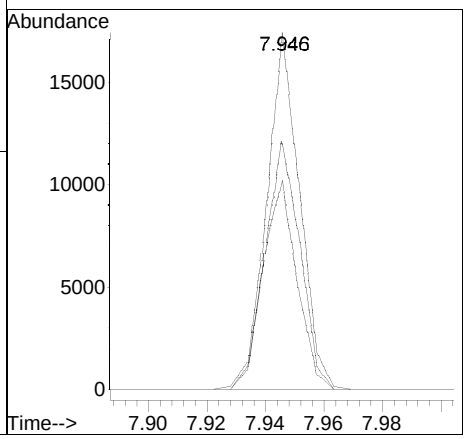


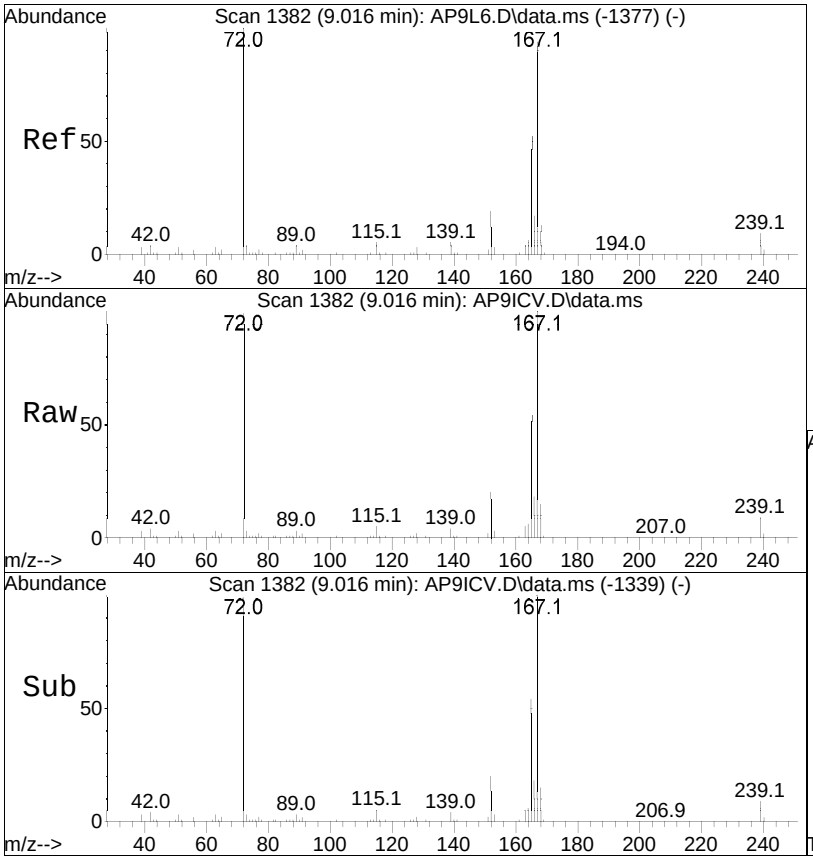


#85
Pentachloronitrobenzene
Concen: 4.62 ug/ml
RT: 7.946 min Scan# 1200
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 18 Aug 2025 01:35 am

Tgt Ion:237 Resp: 13553

Ion	Ratio	Lower	Upper
237	100		
142	61.0	70.3	105.5#
214	73.4	59.4	89.2

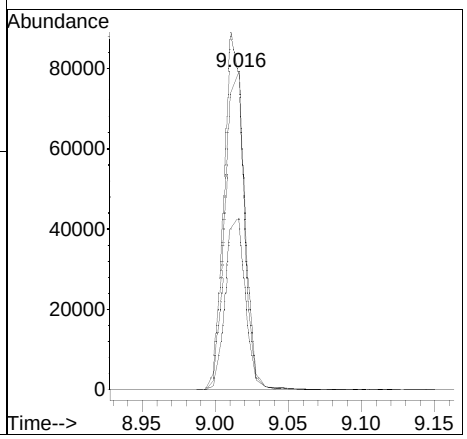




#99
Diphenamid
Concen: 4.86 ug/ml
RT: 9.016 min Scan# 1382
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 18 Aug 2025 01:35 am

Tgt Ion:167 Resp: 75533

Ion	Ratio	Lower	Upper
167	100		
72	108.6	98.9	148.3
165	55.2	40.4	60.6



Manual Integration Report

Data Path	: I:\8270\SV112\250817RVTica	QMethod	: FS250817SV112RVT.m
Data File	: AP9ICV.D	Operator	: SV112:slr
Date Inj'd	: 8/18/2025 1:35 am	Instrument	: SV112
Sample	: CQICV2,32,,AP9ICV Lot# 118	Quant Date	: 8/18/2025 6:52 am

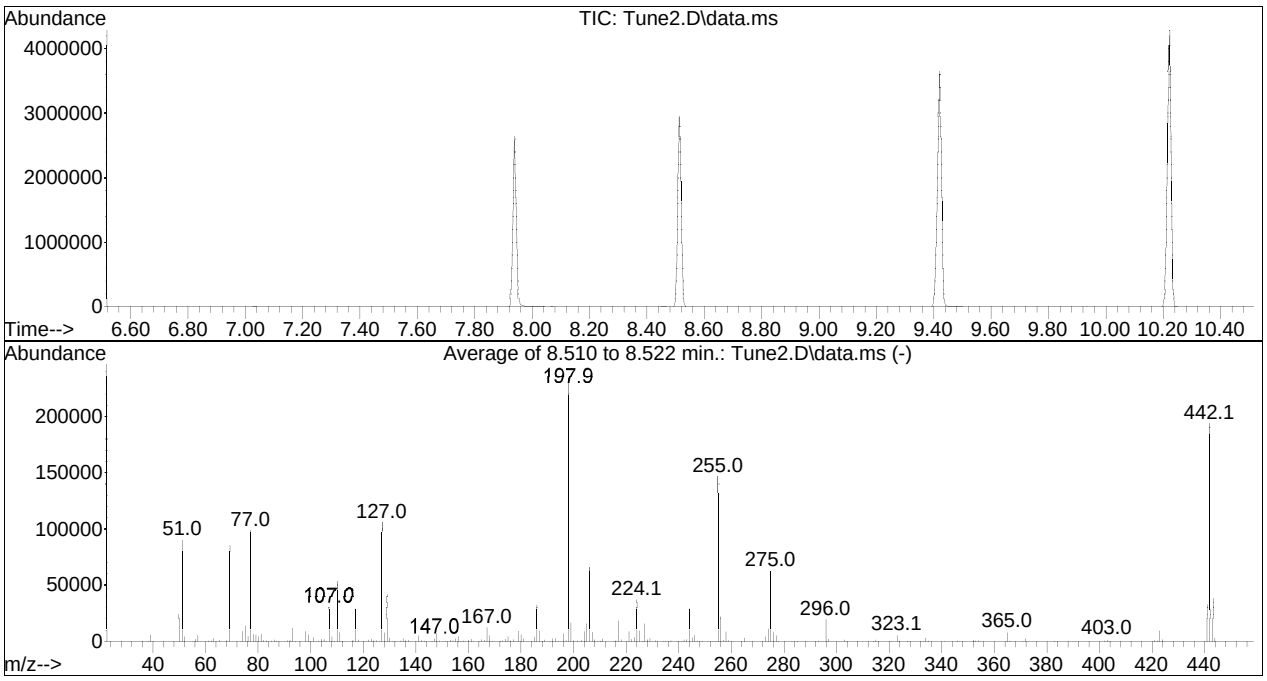
There are no manual integrations or false positives in this file.

DFTPP

Data Path : I:\8270\SV112\250817RVTical\
Data File : Tune2.D
Acq On : 18 Aug 2025 01:57 am
Operator : SV112:slr
Sample : Tune Lot#11857
Misc : WG2104073,,ical
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Aug 18 06:54:37 2025



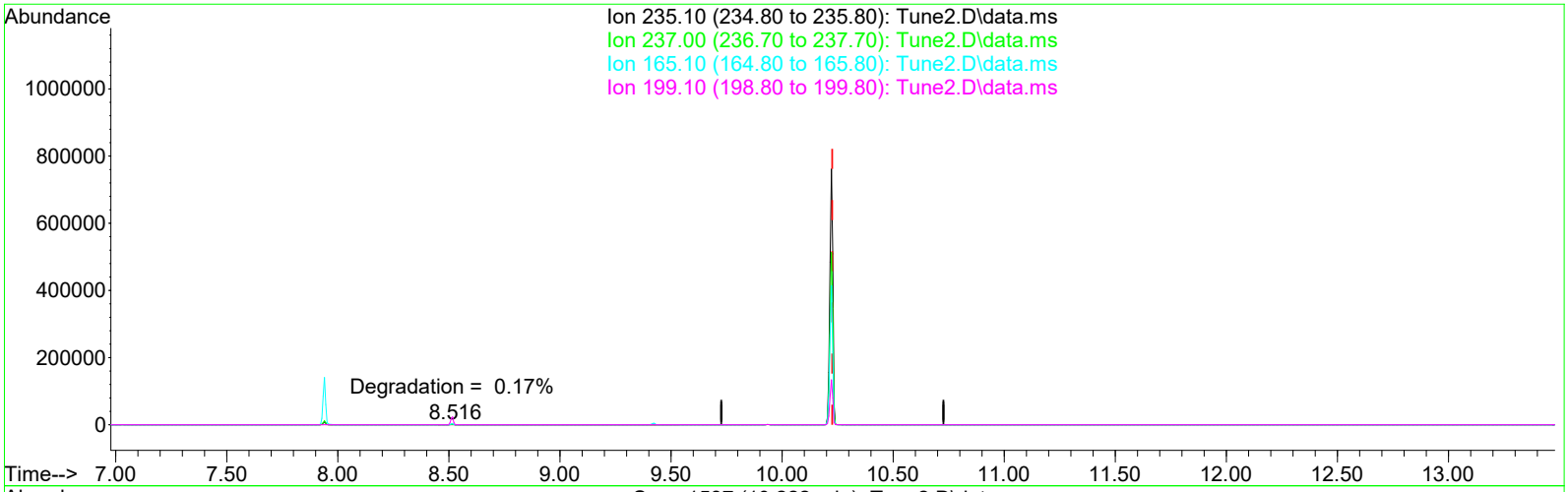
AutoFind: Scans 1296, 1297, 1298; Background Corrected with Scan 1290

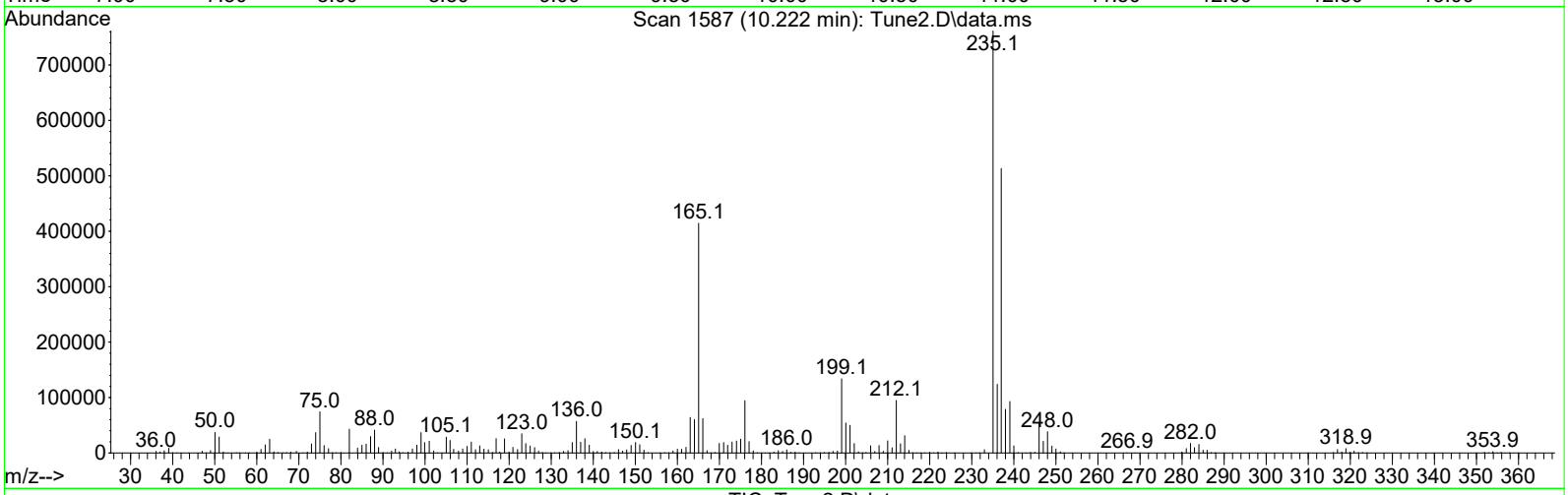
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.3	89907	PASS
68	69	0.00	2	1.6	1406	PASS
69	69	100	100	100.0	85517	PASS
70	69	0.00	2	0.5	430	PASS
127	198	10	80	45.1	105816	PASS
197	198	0.00	2	0.6	1515	PASS
198	198	100	100	100.0	234635	PASS
199	198	5	9	7.0	16407	PASS
275	198	10	60	26.7	62597	PASS
365	198	1	100	3.4	7980	PASS
441	442	0.01	24	16.9	32637	PASS
442	198	50	100	82.5	193555	PASS
443	442	15	24	19.8	38349	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\250817RVTical\
Data File : Tune2.D
Acq On : 18 Aug 2025 01:57 am
Operator : SV112:slr
Sample : Tune Lot#11857
Misc : WG2104073,,ical
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 18 06:27:31 2025
Quant Method : I:\8270\SV112\250817RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Feb 26 15:45:52 2025
Response via : Initial Calibration





TIC: Tune2.D\data.ms

(6) DDT (T)

10.222min (-0.006) 0.00

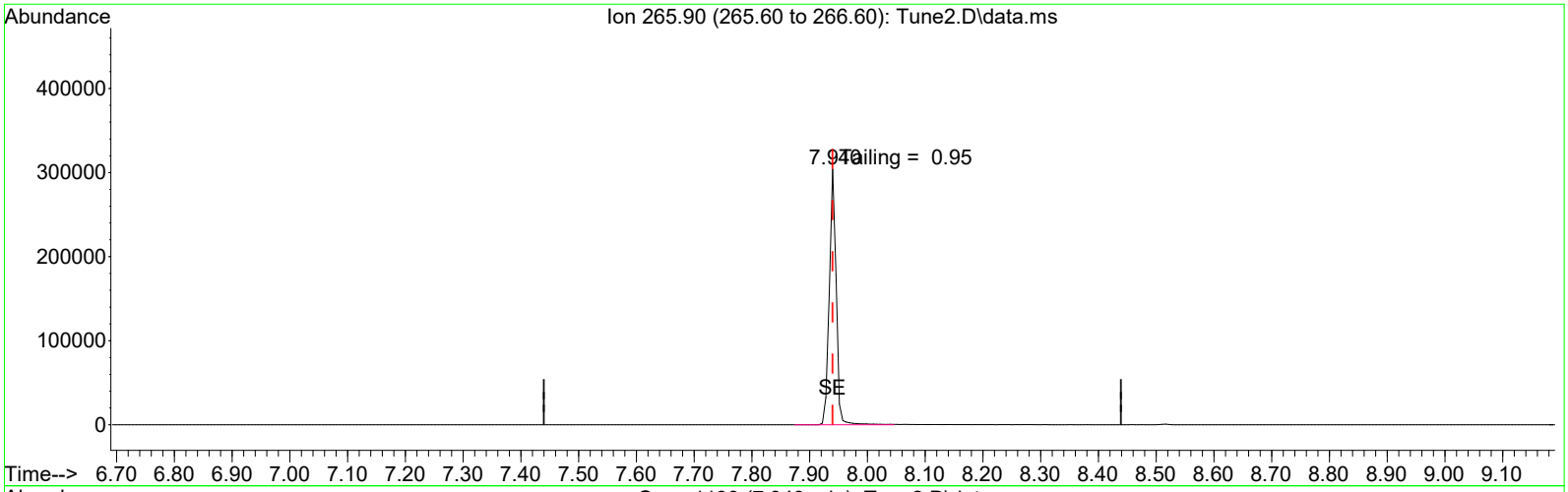
response 704984

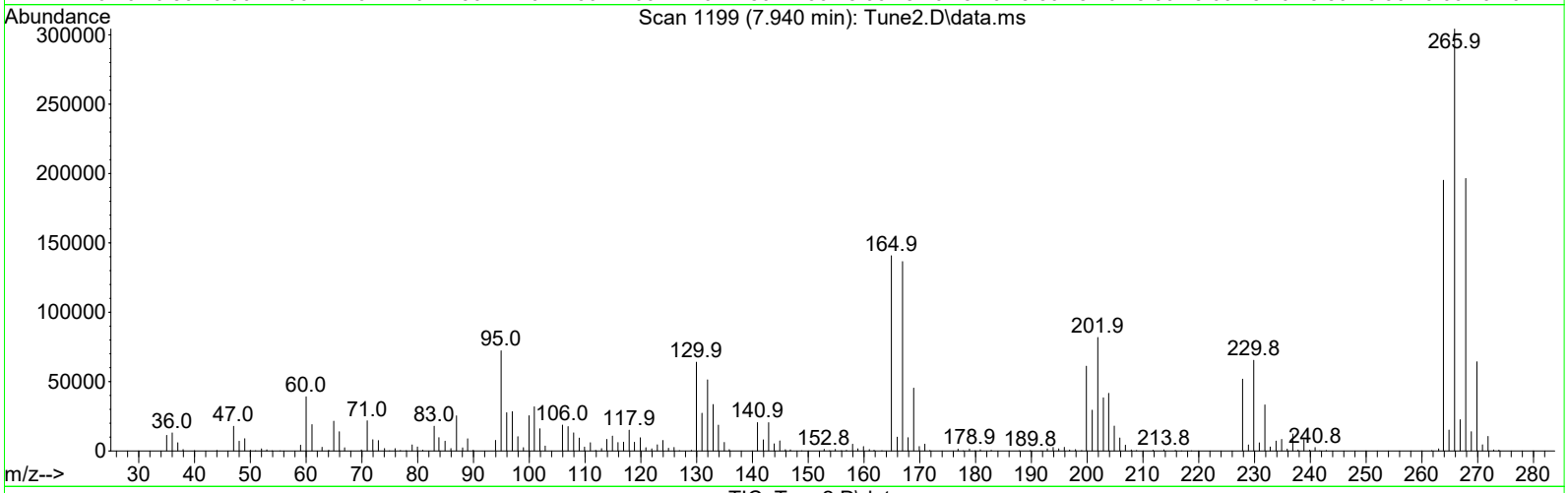
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	71.30	66.98
165.10	47.10	51.25
199.10	16.40	16.80

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\250817RVTical\
Data File : Tune2.D
Acq On : 18 Aug 2025 01:57 am
Operator : SV112:slr
Sample : Tune Lot#11857
Misc : WG2104073,,ical
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 18 06:27:31 2025
Quant Method : I:\8270\SV112\250817RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Feb 26 15:45:52 2025
Response via : Initial Calibration





TIC: Tune2.D\data.ms

(1) Pentachlorophenol (T)

7.940min (-0.000) 0.00

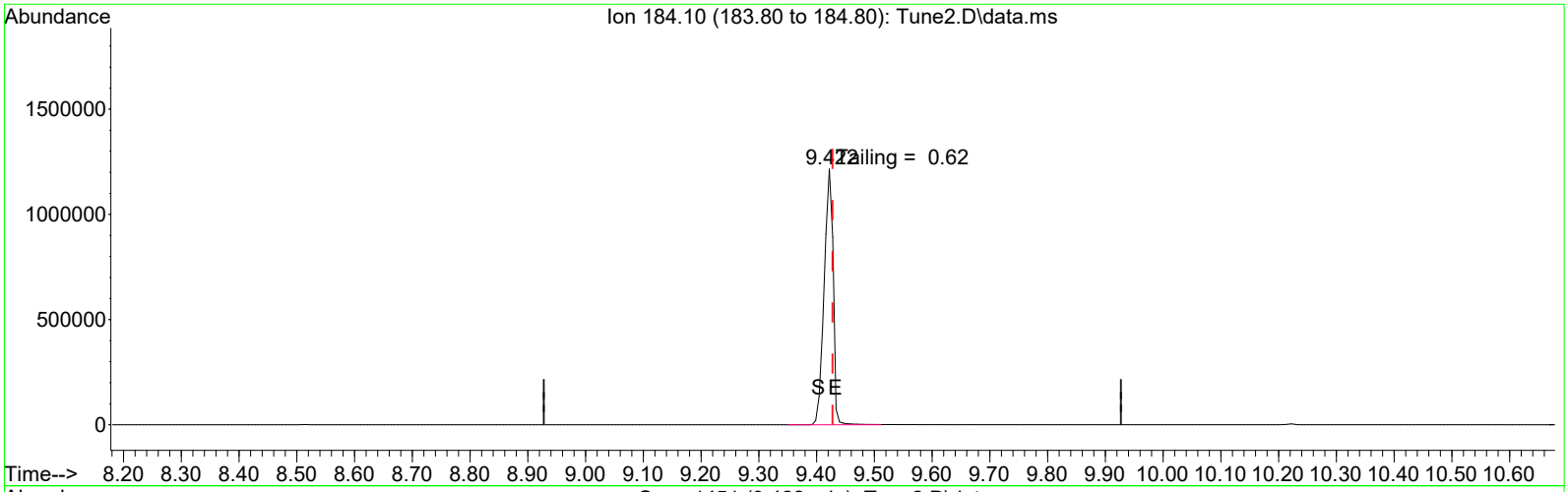
response 253202

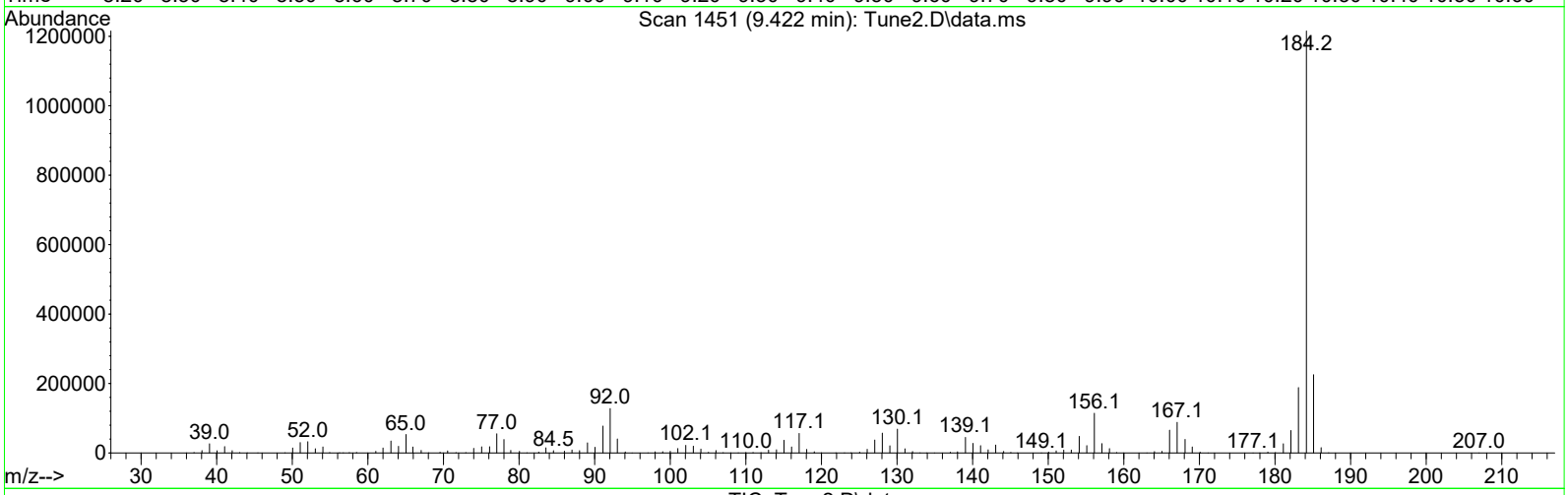
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\250817RVTical\
Data File : Tune2.D
Acq On : 18 Aug 2025 01:57 am
Operator : SV112:slr
Sample : Tune Lot#11857
Misc : WG2104073,,ical
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 18 06:27:31 2025
Quant Method : I:\8270\SV112\250817RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Feb 26 15:45:52 2025
Response via : Initial Calibration





TIC: Tune2.D\data.ms

(3) Benzidine (T)

9.422min (-0.006) 0.00

response 1327918

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL9.D
Acq On : 18 Aug 2025 02:20 am
Operator : SV112:slr
Sample : IL2,32,,ADPL50 Lot# 11845
Misc : WG2104073,,ical
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 18 06:31:54 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.758	152	20361	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery = 115.62%			
86) IS3_Acenaphthene-d10	6.687	164	54829	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery = 116.86%			
100) IS3_Phenanthrene-d10	8.081	188	122116	4.000	ug/ml	0.00
Standard Area 2 = 110103			Recovery = 110.91%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	0.964	88	122303	No Calib #		
34) n-Decane	3.687	57	399032	No Calib		
87) Atrazine	7.940	200	343408	No Calib		
101) n-Octadecane	8.146	57	736406	No Calib		
102) Parathion	8.910	109	209483	No Calib #		
103) 3,3'-Dimethylbenzidine	10.128	212	1274376	No Calib		

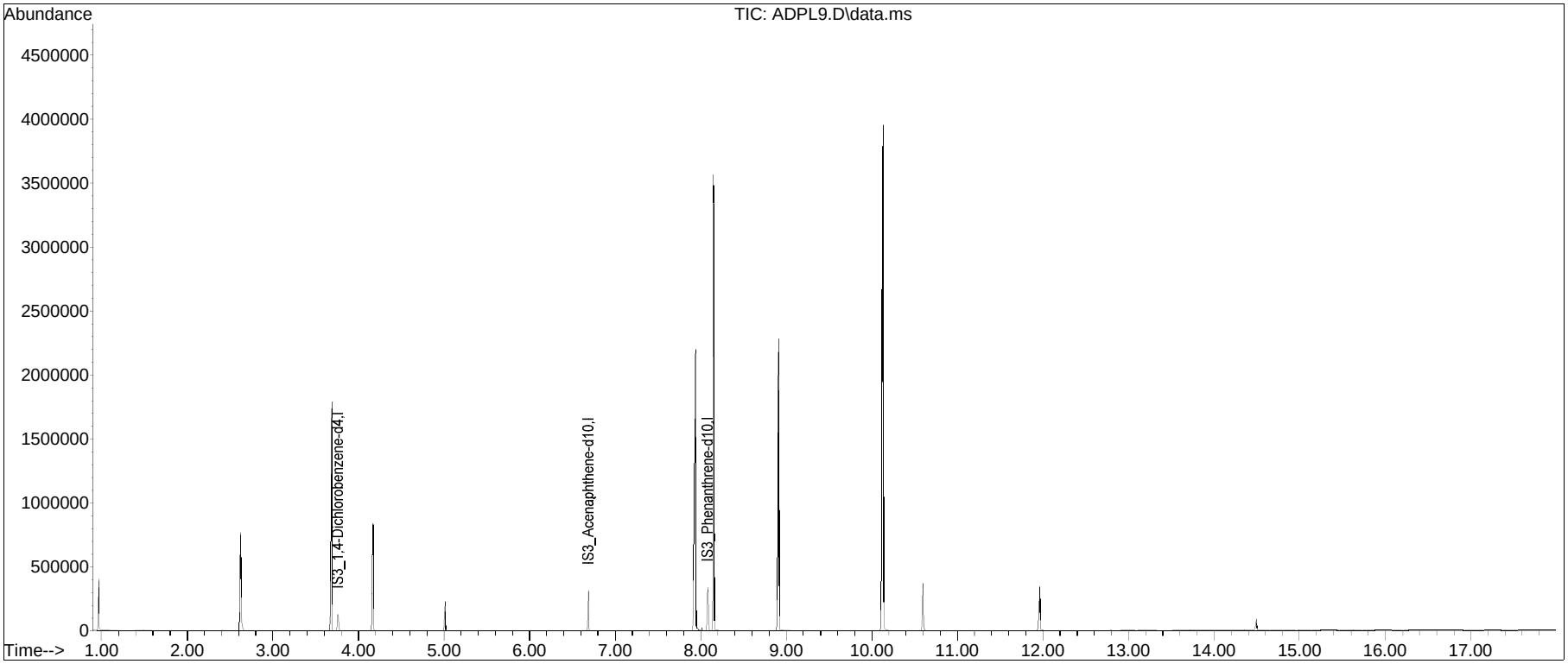
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL9.D
Acq On : 18 Aug 2025 02:20 am
Operator : SV112:slr
Sample : IL2,32,,ADPL50 Lot# 11845
Misc : WG2104073,,ical
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 18 06:31:54 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\250817RVTica	QMethod	: FS250817SV112RVT.m
Data File	: ADPL9.D	Operator	: SV112:slr
Date Inj'd	: 8/18/2025 2:20 am	Instrument	: SV112
Sample	: IL2,32,,ADPL50 Lot# 11845	Quant Date	: 8/18/2025 5:14 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL8.D
Acq On : 18 Aug 2025 02:42 am
Operator : SV112:slr
Sample : IL3,32,,ADPL25 Lot# 11846
Misc : WG2104073,,ical
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 18 06:31:37 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.763	152	21428	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery =	121.67%		
86) IS3_Acenaphthene-d10	6.687	164	57425	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery =	122.39%		
100) IS3_Phenanthrene-d10	8.081	188	124552	4.000	ug/ml	0.00
Standard Area 2 = 110103			Recovery =	113.12%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	0.964	88	63440	No Calib	#	
34) n-Decane	3.687	57	206352	No Calib		
87) Atrazine	7.928	200	169706	No Calib		
101) n-Octadecane	8.146	57	388588	No Calib		
102) Parathion	8.904	109	95650	No Calib	#	
103) 3,3'-Dimethylbenzidine	10.122	212	659422	No Calib		

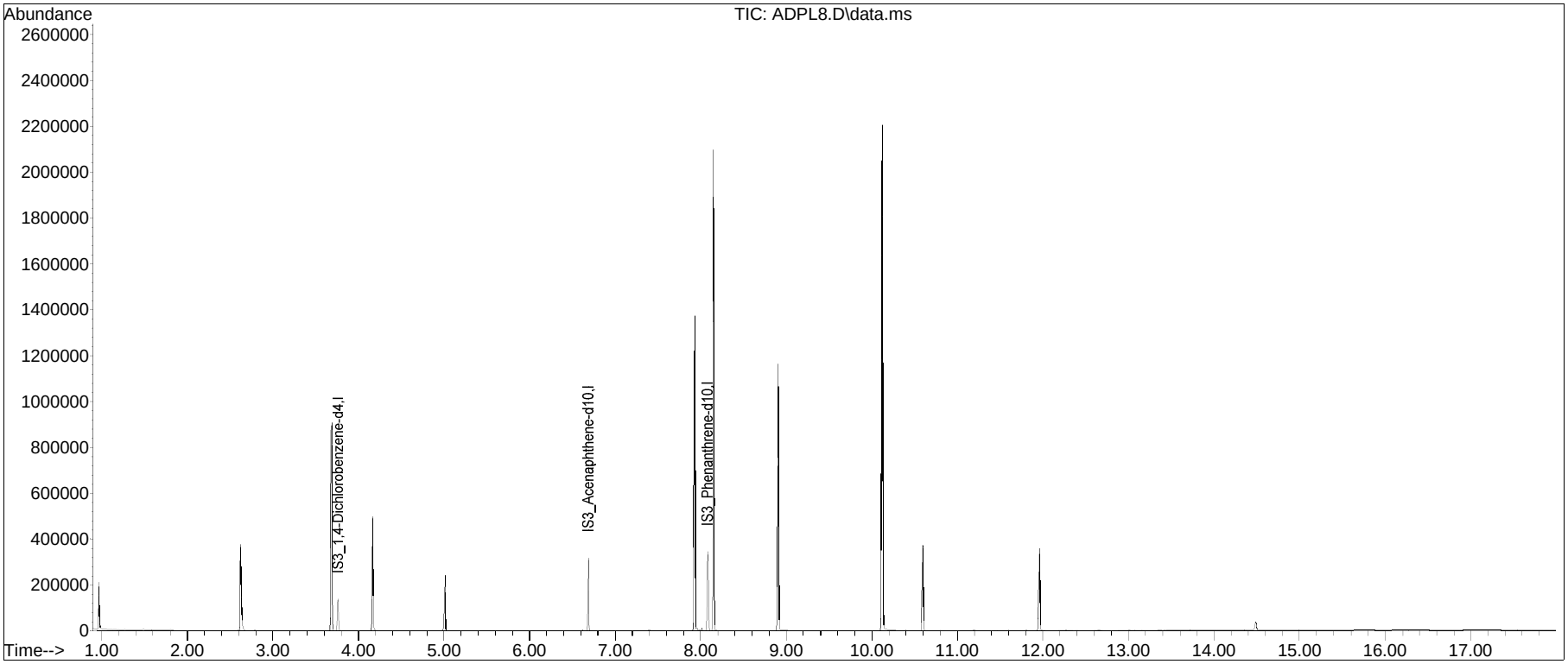
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL8.D
Acq On : 18 Aug 2025 02:42 am
Operator : SV112:slr
Sample : IL3,32,,ADPL25 Lot# 11846
Misc : WG2104073,,ical
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 18 06:31:37 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\250817RVTica	QMethod	: FS250817SV112RVT.m
Data File	: ADPL8.D	Operator	: SV112:slr
Date Inj'd	: 8/18/2025 2:42 am	Instrument	: SV112
Sample	: IL3,32,,ADPL25 Lot# 11846	Quant Date	: 8/18/2025 5:14 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL7.D
Acq On : 18 Aug 2025 03:05 am
Operator : SV112:slr
Sample : IL4,32,,ADPL10 Lot# 11847
Misc : WG2104073,,ical
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 18 06:31:19 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.763	152	20015	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery =	113.65%		
86) IS3_Acenaphthene-d10	6.687	164	52779	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery =	112.49%		
100) IS3_Phenanthrene-d10	8.081	188	117593	4.000	ug/ml	0.00
Standard Area 2 = 110103			Recovery =	106.80%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	0.964	88	24720	No Calib #		
34) n-Decane	3.681	57	79070	No Calib		
87) Atrazine	7.922	200	61644	No Calib		
101) n-Octadecane	8.146	57	146922	No Calib		
102) Parathion	8.904	109	31859	No Calib #		
103) 3,3'-Dimethylbenzidine	10.116	212	249541	No Calib		

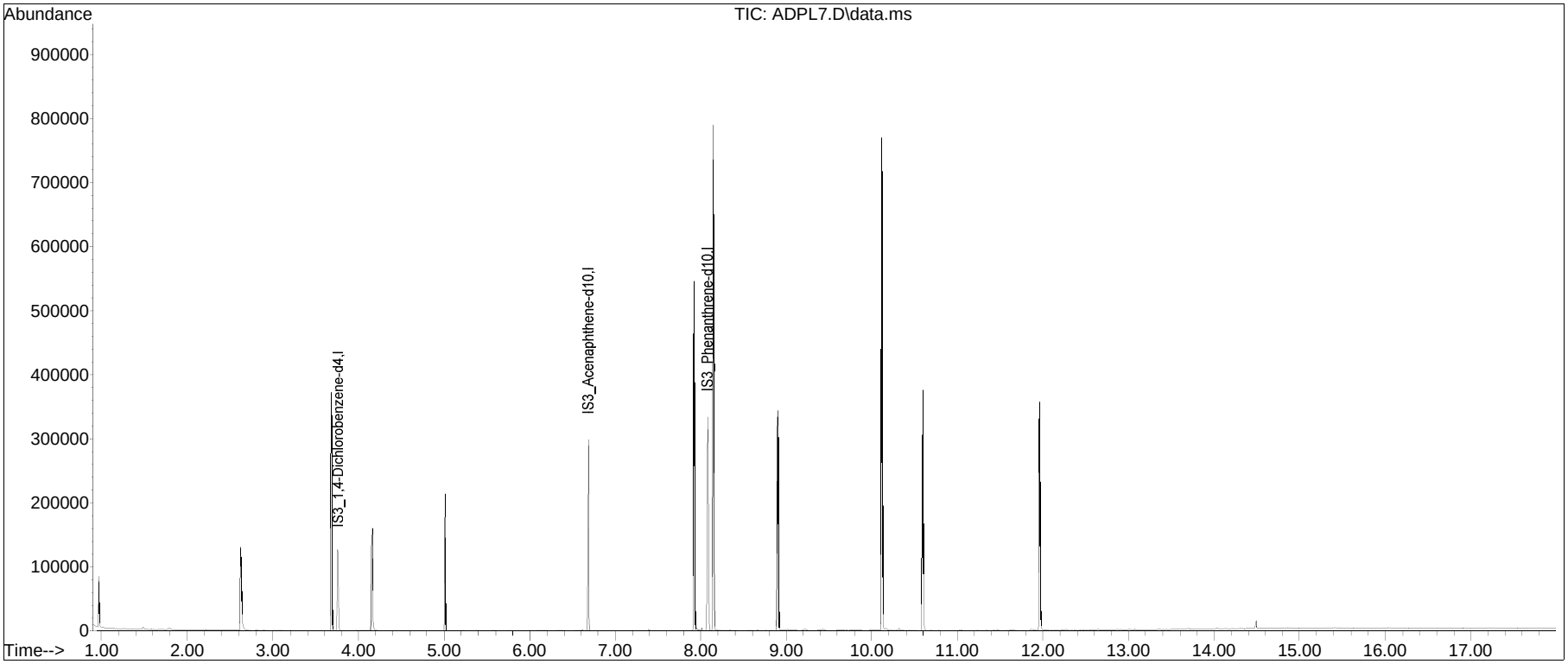
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL7.D
Acq On : 18 Aug 2025 03:05 am
Operator : SV112:slr
Sample : IL4,32,,ADPL10 Lot# 11847
Misc : WG2104073,,ical
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 18 06:31:19 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\250817RVTica	QMethod	: FS250817SV112RVT.m
Data File	: ADPL7.D	Operator	: SV112:slr
Date Inj'd	: 8/18/2025 3:05 am	Instrument	: SV112
Sample	: IL4,32,,ADPL10 Lot# 11847	Quant Date	: 8/18/2025 5:14 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL6.D
Acq On : 18 Aug 2025 03:27 am
Operator : SV112:slr
Sample : IL5,32,,ADPL5 Lot# 11848
Misc : WG2104073,,ical
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 18 06:31:00 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.763	152	17611	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery = 100.00%			
86) IS3_Acenaphthene-d10	6.687	164	46920	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery = 100.00%			
100) IS3_Phenanthrene-d10	8.081	188	110103	4.000	ug/ml	0.00
Standard Area 2 = 110103			Recovery = 100.00%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	0.964	88	11106	No Calib #		
34) n-Decane	3.681	57	35075	No Calib		
87) Atrazine	7.922	200	27659	No Calib		
101) n-Octadecane	8.146	57	67575	No Calib		
102) Parathion	8.899	109	13629	No Calib #		
103) 3,3'-Dimethylbenzidine	10.116	212	105688	No Calib		

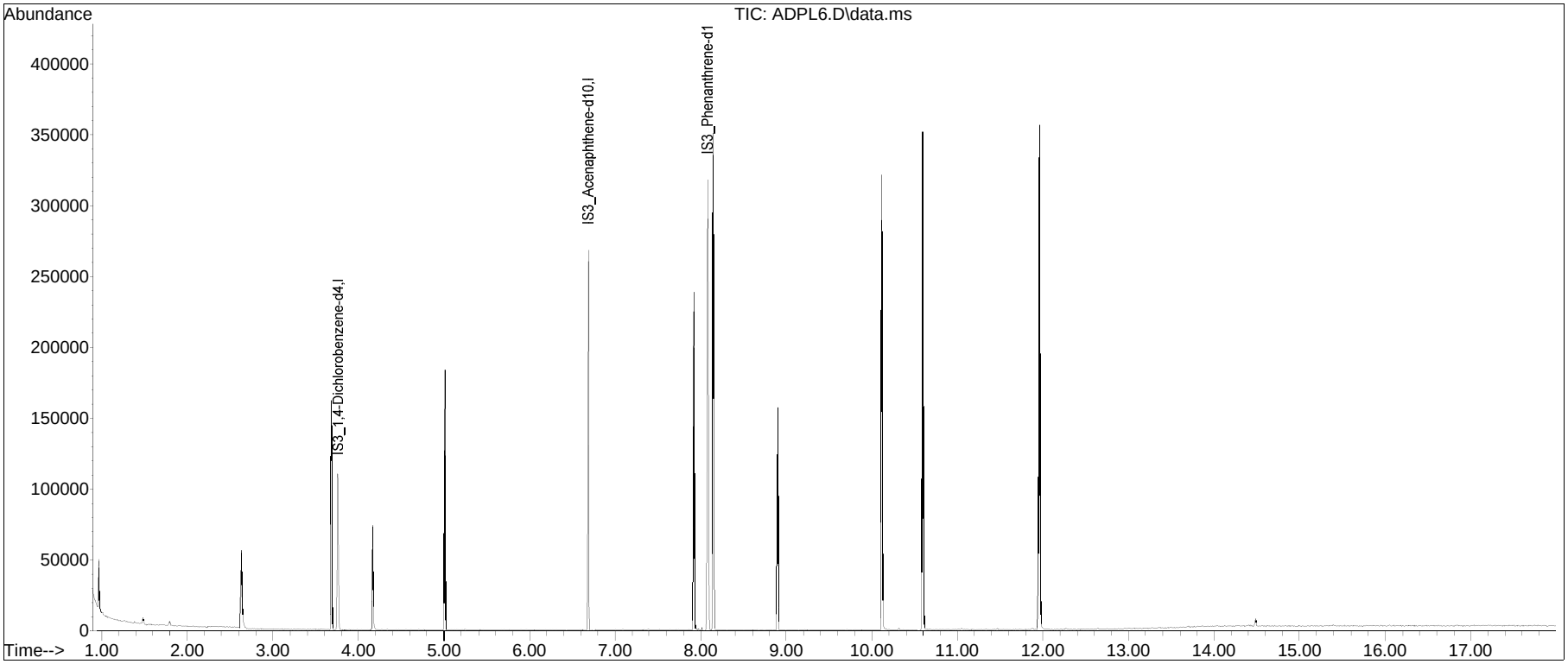
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL6.D
Acq On : 18 Aug 2025 03:27 am
Operator : SV112:slr
Sample : IL5,32,,ADPL5 Lot# 11848
Misc : WG2104073,,ical
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 18 06:31:00 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\250817RVTica	QMethod	: FS250817SV112RVT.m
Data File	: ADPL6.D	Operator	: SV112:slr
Date Inj'd	: 8/18/2025 3:27 am	Instrument	: SV112
Sample	: IL5,32,,ADPL5 Lot# 11848	Quant Date	: 8/18/2025 5:14 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL5.D
Acq On : 18 Aug 2025 03:50 am
Operator : SV112:slr
Sample : IL6,32,,ADPL2.5 Lot# 11849
Misc : WG2104073,,ical
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 18 06:30:41 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.764	152	20454	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery =	116.14%		
86) IS3_Acenaphthene-d10	6.687	164	51962	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery =	110.75%		
100) IS3_Phenanthrene-d10	8.081	188	119979	4.000	ug/ml	0.00
Standard Area 2 = 110103			Recovery =	108.97%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	0.964	88	5947	No Calib	#	
34) n-Decane	3.681	57	19749	No Calib	#	
87) Atrazine	7.922	200	13327	No Calib		
101) n-Octadecane	8.146	57	34052	No Calib		
102) Parathion	8.899	109	6565	No Calib	#	
103) 3,3'-Dimethylbenzidine	10.116	212	43623	No Calib		

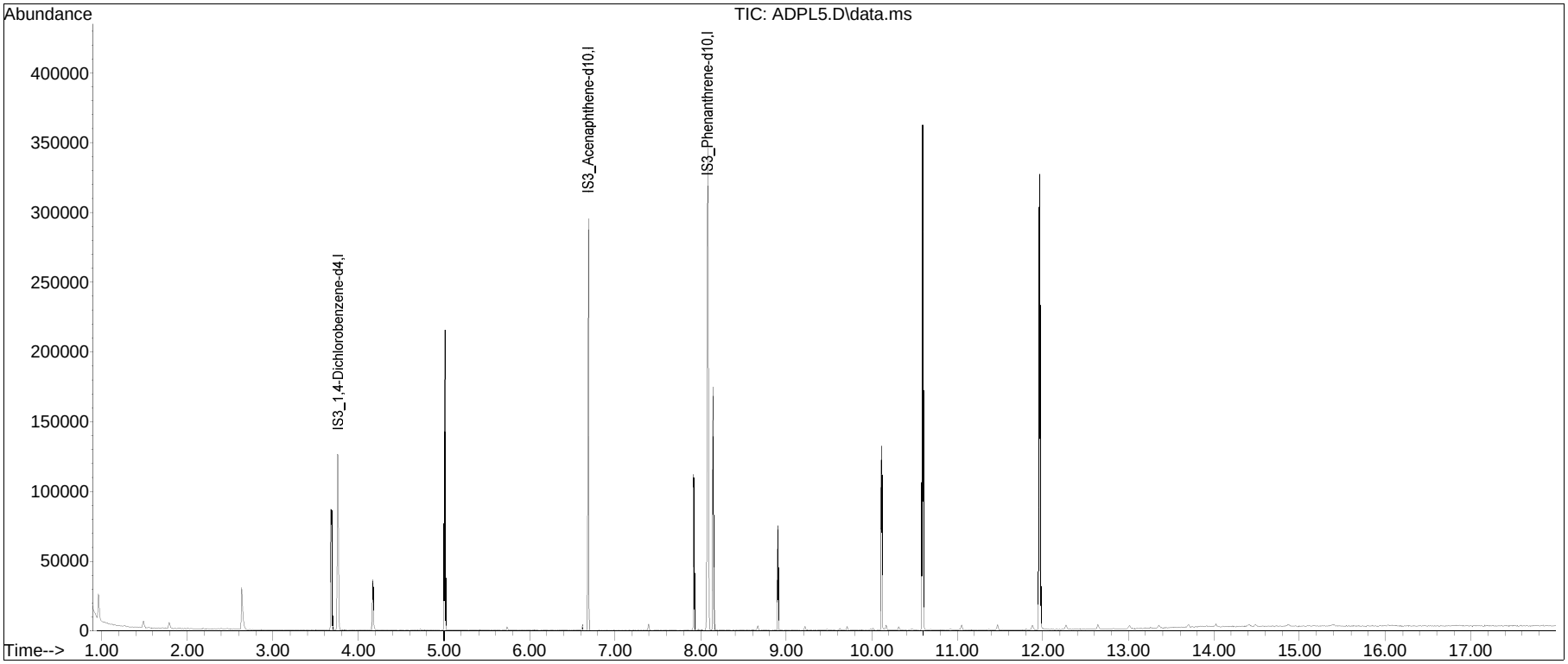
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL5.D
Acq On : 18 Aug 2025 03:50 am
Operator : SV112:slr
Sample : IL6,32,,ADPL2.5 Lot# 11849
Misc : WG2104073,,ical
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 18 06:30:41 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\250817RVTica	QMethod	: FS250817SV112RVT.m
Data File	: ADPL5.D	Operator	: SV112:slr
Date Inj'd	: 8/18/2025 3:50 am	Instrument	: SV112
Sample	: IL6,32,,ADPL2.5 Lot# 11849	Quant Date	: 8/18/2025 5:14 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL4.D
Acq On : 18 Aug 2025 04:12 am
Operator : SV112:slr
Sample : IL7,32,,ADPL1 Lot# 11850
Misc : WG2104073,,ical
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 18 06:30:24 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.763	152	20396	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery = 115.81%			
86) IS3_Acenaphthene-d10	6.687	164	54203	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery = 115.52%			
100) IS3_Phenanthrene-d10	8.081	188	122484	4.000	ug/ml	0.00
Standard Area 2 = 110103			Recovery = 111.24%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	0.969	88	2563	No Calib #		
34) n-Decane	3.681	57	7822	No Calib #		
87) Atrazine	7.916	200	5518	No Calib		
101) n-Octadecane	8.146	57	13828	No Calib		
102) Parathion	8.898	109	2761	No Calib #		
103) 3,3'-Dimethylbenzidine	10.116	212	16562	No Calib		

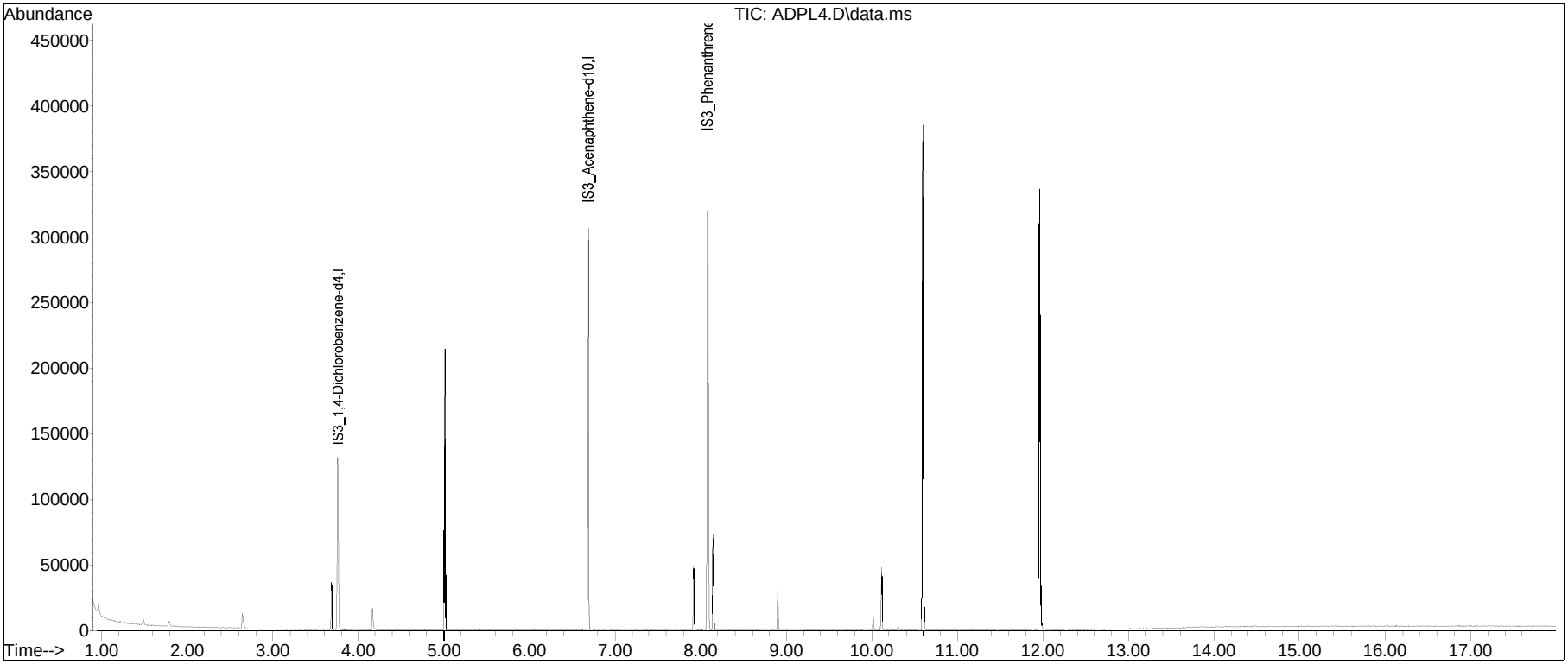
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL4.D
Acq On : 18 Aug 2025 04:12 am
Operator : SV112:slr
Sample : IL7,32,,ADPL1 Lot# 11850
Misc : WG2104073,,ical
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 18 06:30:24 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\250817RVTica	QMethod	: FS250817SV112RVT.m
Data File	: ADPL4.D	Operator	: SV112:slr
Date Inj'd	: 8/18/2025 4:12 am	Instrument	: SV112
Sample	: IL7,32,,ADPL1 Lot# 11850	Quant Date	: 8/18/2025 5:14 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL3.D
Acq On : 18 Aug 2025 04:35 am
Operator : SV112:slr
Sample : IL8,32,,ADPL0.5 Lot# 11851
Misc : WG2104073,,ical
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 18 06:30:07 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:30:47 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
32) IS3_1,4-Dichlorobenzen...	3.764	152	21164	4.000	ug/ml		0.00
Standard Area 2 = 17611			Recovery =	120.17%			
86) IS3_Acenaphthene-d10	6.687	164	52983	4.000	ug/ml		0.00
Standard Area 2 = 46920			Recovery =	112.92%			
100) IS3_Phenanthrene-d10	8.081	188	122202	4.000	ug/ml	#	0.00
Standard Area 2 = 110103			Recovery =	110.99%			
System Monitoring Compounds							
Target Compounds							Qvalue
33) 1,4-Dioxane	0.970	88	1829	0.531	ug/ml		94
34) n-Decane	3.687	57	4768	0.554	ug/ml	#	85
87) Atrazine	7.916	200	3192	0.505	ug/ml		98
101) n-Octadecane	8.146	57	8402	0.530	ug/ml		93
102) Parathion	8.899	109	1567	0.489	ug/ml	#	82
103) 3,3'-Dimethylbenzidine	10.116	212	6836	1.488	ug/ml		99

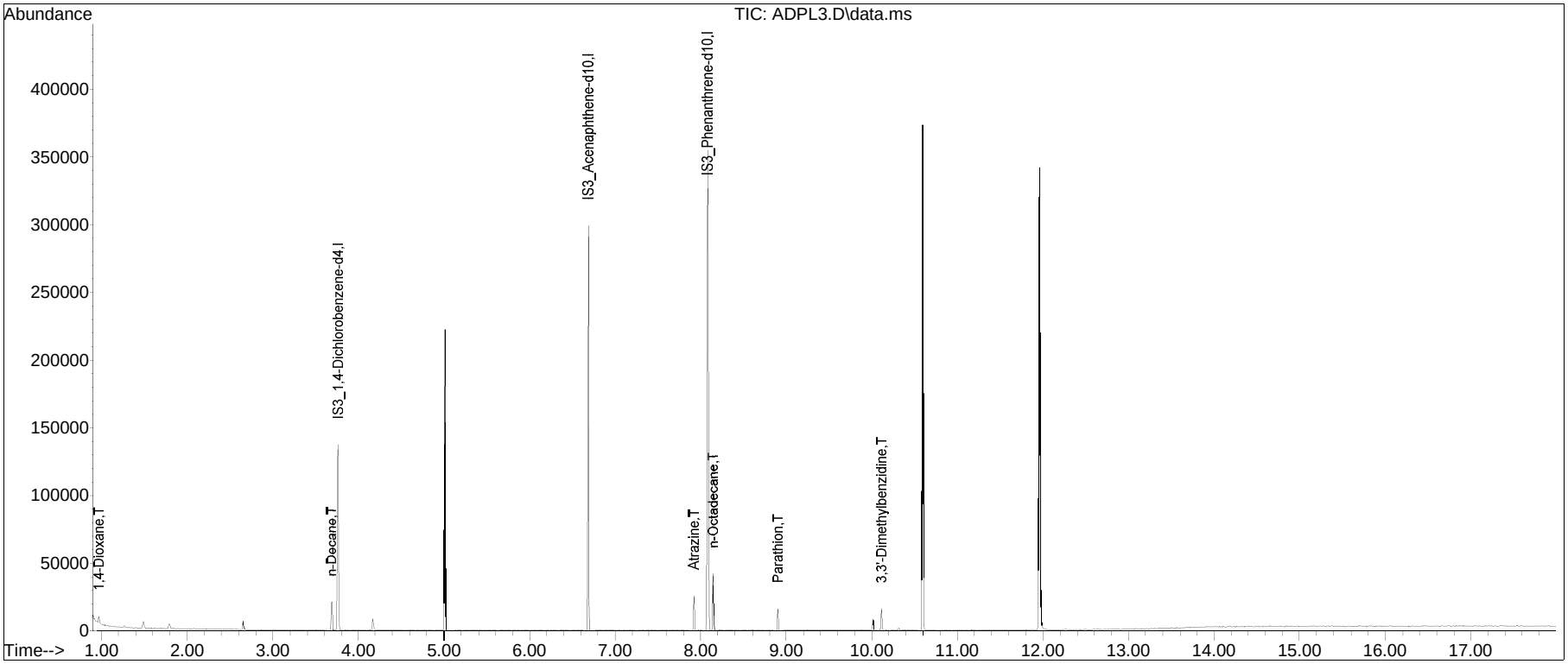
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL3.D
Acq On : 18 Aug 2025 04:35 am
Operator : SV112:slr
Sample : IL8,32,,ADPL0.5 Lot# 11851
Misc : WG2104073,,ical
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 18 06:30:07 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:30:47 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\250817RVTica	QMethod	: FS250817SV112RVT.m
Data File	: ADPL3.D	Operator	: SV112:slr
Date Inj'd	: 8/18/2025 4:35 am	Instrument	: SV112
Sample	: IL8,32,,ADPL0.5 Lot# 11851	Quant Date	: 8/18/2025 6:30 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL2.D
Acq On : 18 Aug 2025 04:57 am
Operator : SV112:slr
Sample : IL9,32,,ADPL0.2 Lot# 11852
Misc : WG2104073,,ical
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 18 06:29:44 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:30:19 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.758	152	18403	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery =	104.50%		
86) IS3_Acenaphthene-d10	6.687	164	46659	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery =	99.44%		
100) IS3_Phenanthrene-d10	8.081	188	109824	4.000	ug/ml	0.00
Standard Area 2 = 110103			Recovery =	99.75%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	0.970	88	588M2	0.193	ug/ml	
34) n-Decane	3.681	57	1346	0.163	ug/ml#	79
87) Atrazine	7.916	200	1019	0.169	ug/ml#	37
101) n-Octadecane	8.146	57	2633	0.172	ug/ml	97
102) Parathion	8.899	109	517	0.163	ug/ml#	85
103) 3,3'-Dimethylbenzidine	10.116	212	826	No Calib	#	

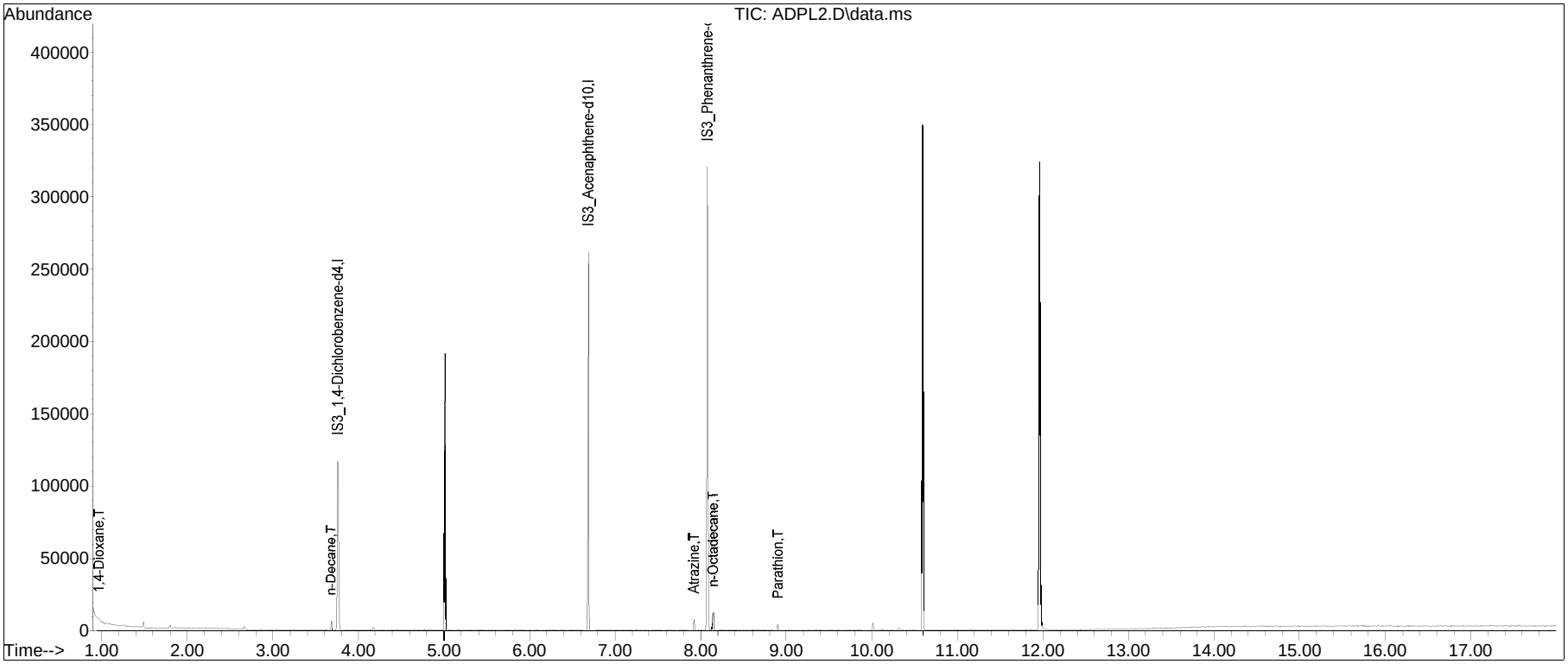
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL2.D
Acq On : 18 Aug 2025 04:57 am
Operator : SV112:slr
Sample : IL9,32,,ADPL0.2 Lot# 11852
Misc : WG2104073,,ical
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 18 06:29:44 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:30:19 2025
Response via : Initial Calibration

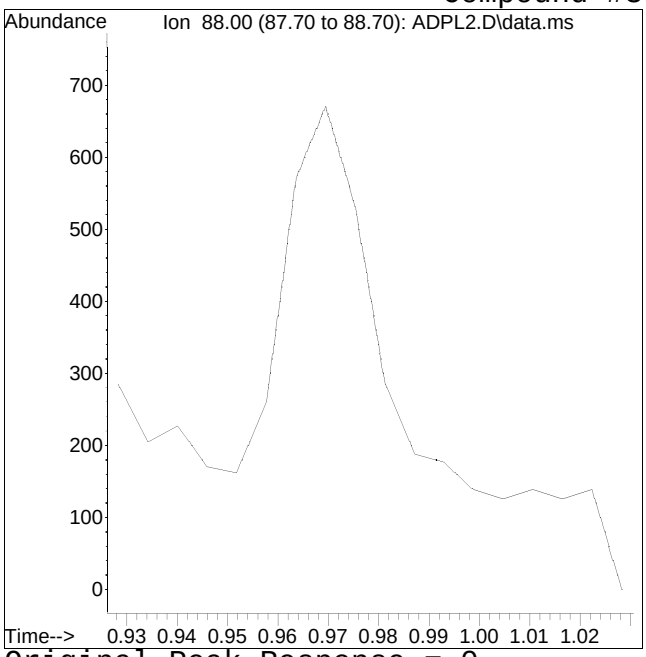
Sub List : ADPical_REV2 - ADP sublistTical\AP9L6.D•



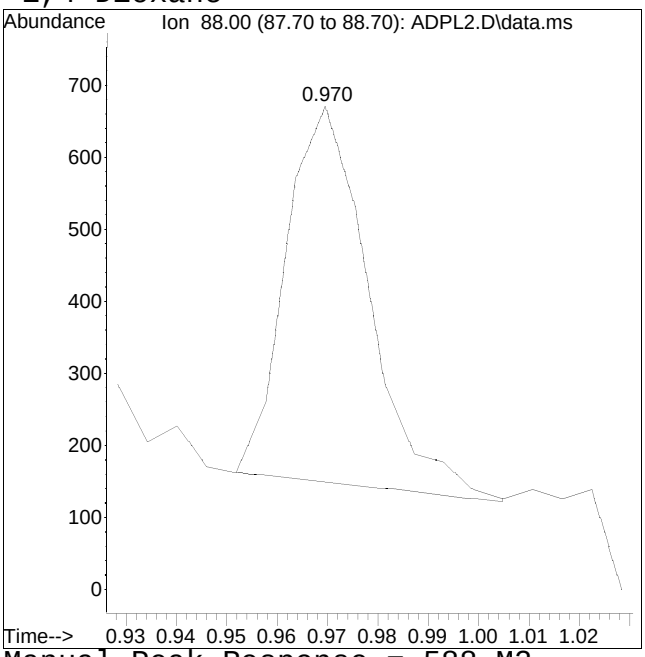
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ADPL2.D Operator : SV112:slr
Date Inj'd : 8/18/2025 4:57 am Instrument : SV112
Sample : IL9,32,,ADPL0.2 Lot# 11852Quant Date : 8/18/2025 6:30 am

Compound #33: 1,4-Dioxane



Original Peak Response = 0



Manual Peak Response = 588 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL1.D
Acq On : 18 Aug 2025 05:20 am
Operator : SV112:slr
Sample : IL10,32,,ADPL0.1 Lot# 11867
Misc : WG2104073,,ical
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 18 06:29:15 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:28:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.763	152	16573	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery = 94.11%			
86) IS3_Acenaphthene-d10	6.687	164	41647	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery = 88.76%			
100) IS3_Phenanthrene-d10	8.081	188	98983	4.000	ug/ml	# 0.00
Standard Area 2 = 110103			Recovery = 89.90%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	0.964	88	275	No Calib		
34) n-Decane	3.681	57	742	No Calib	#	
87) Atrazine	7.922	200	538	No Calib	#	
101) n-Octadecane	8.146	57	1380	No Calib		
102) Parathion	8.899	109	286	No Calib		
103) 3,3'-Dimethylbenzidine	0.000		0	N.D.	d	

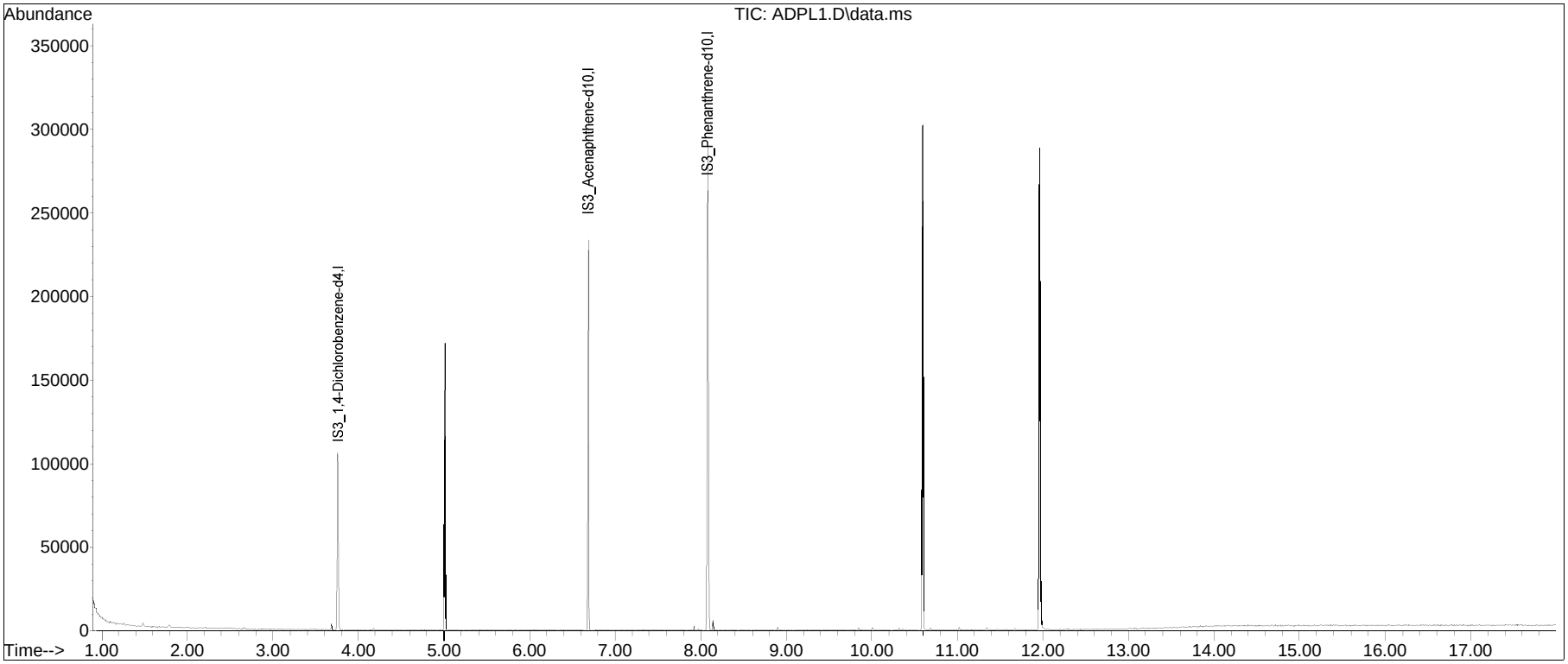
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL1.D
Acq On : 18 Aug 2025 05:20 am
Operator : SV112:slr
Sample : IL10,32,,ADPL0.1 Lot# 11867
Misc : WG2104073,,ical
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 18 06:29:15 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:28:07 2025
Response via : Initial Calibration

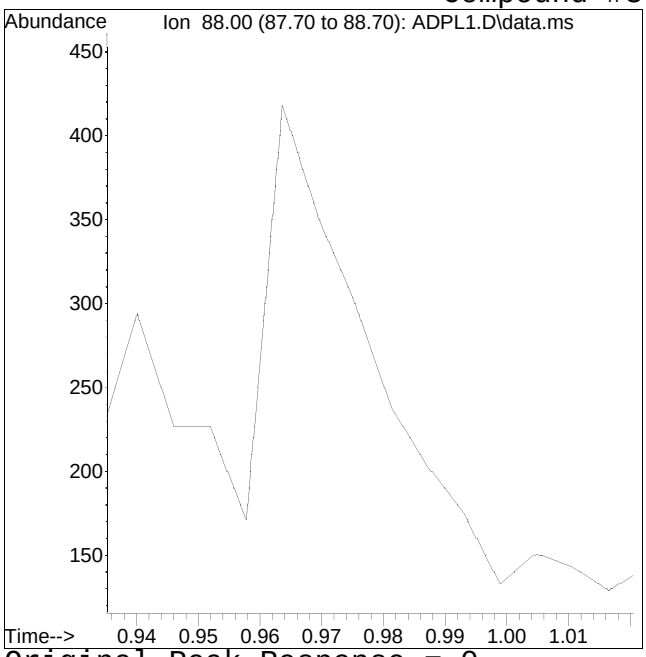
Sub List : ADPical_REV2 - ADP sublistTical\AP9L6.D•



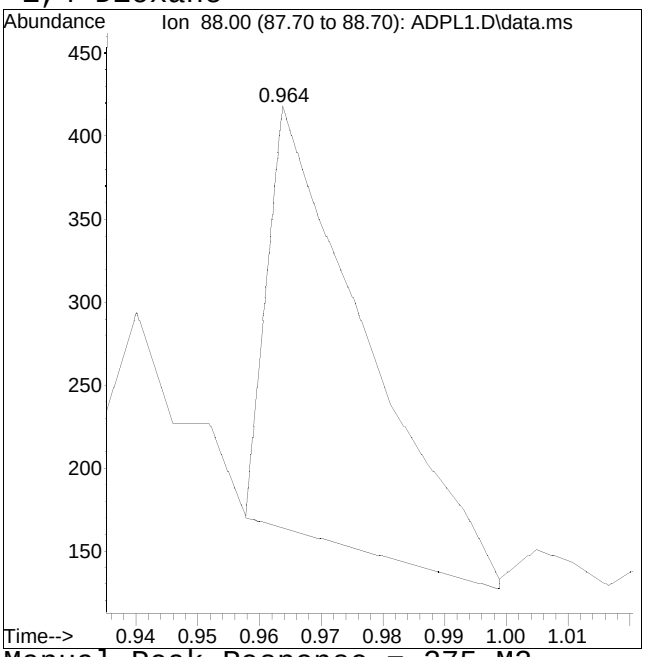
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ADPL1.D Operator : SV112:slr
Date Inj'd : 8/18/2025 5:20 am Instrument : SV112
Sample : IL10,32,,ADPL0.1 Lot# 1186Quant Date : 8/18/2025 6:29 am

Compound #33: 1,4-Dioxane



Original Peak Response = 0



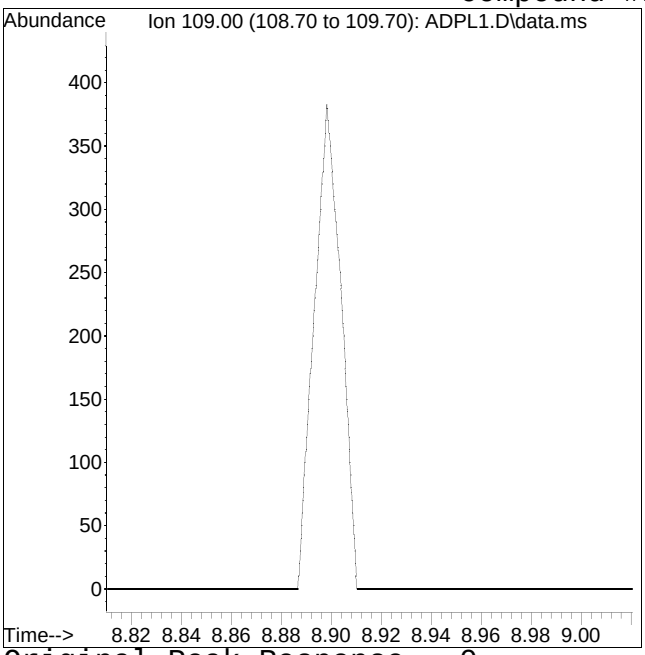
Manual Peak Response = 275 M2

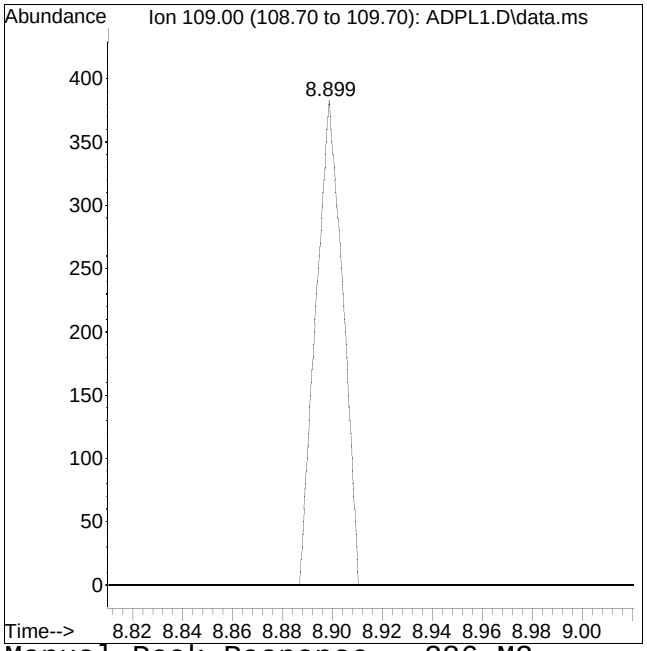
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ADPL1.D Operator : SV112:slr
Date Inj'd : 8/18/2025 5:20 am Instrument : SV112
Sample : IL10,32,,ADPL0.1 Lot# 1186Quant Date : 8/18/2025 6:29 am

Compound #102: Parathion





Original Peak Response = 0 Manual Peak Response = 286 M2
M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPICV.D
Acq On : 18 Aug 2025 05:42 am
Operator : SV112:slr
Sample : CQICV,32,,ADPICV Lot# 11856
Misc : WG2104073,,ical
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 18 06:51:33 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:51:40 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
33	T	1,4-Dioxane	0.546	0.485	11.2	99	0.00
34	T	n-Decane	1.602	1.424	11.1	92	0.00
86	I	IS3_Acenaphthene-d10	1.000	1.000	0.0	103	0.00
87	T	Atrazine	0.463	0.435	6.0	95	0.00
100	I	IS3_Phenanthrene-d10	1.000	1.000	0.0	104	0.00
101	T	n-Octadecane	0.496	0.443	10.7	94	0.00
102	T	Parathion	0.106	0.087	17.9	91	0.00
103	T	3,3'-Dimethylbenzidine	0.737	0.688	6.6	93	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPICV.D
Acq On : 18 Aug 2025 05:42 am
Operator : SV112:slr
Sample : CQICV,32,,ADPICV Lot# 11856
Misc : WG2104073,,ical
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 18 06:51:33 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:51:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.758	152	18055	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery =	102.52%		
86) IS3_Acenaphthene-d10	6.687	164	48116	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery =	102.55%		
100) IS3_Phenanthrene-d10	8.081	188	114261	4.000	ug/ml	0.00
Standard Area 2 = 110103			Recovery =	103.78%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	0.964	88	10957	4.445	ug/ml#	79
34) n-Decane	3.681	57	32142	4.445	ug/ml	90
87) Atrazine	7.922	200	26187	4.703	ug/ml	99
101) n-Octadecane	8.146	57	63239	4.462	ug/ml	94
102) Parathion	8.899	109	12453	4.098	ug/ml#	88
103) 3,3'-Dimethylbenzidine	10.116	212	98266	4.668	ug/ml	99

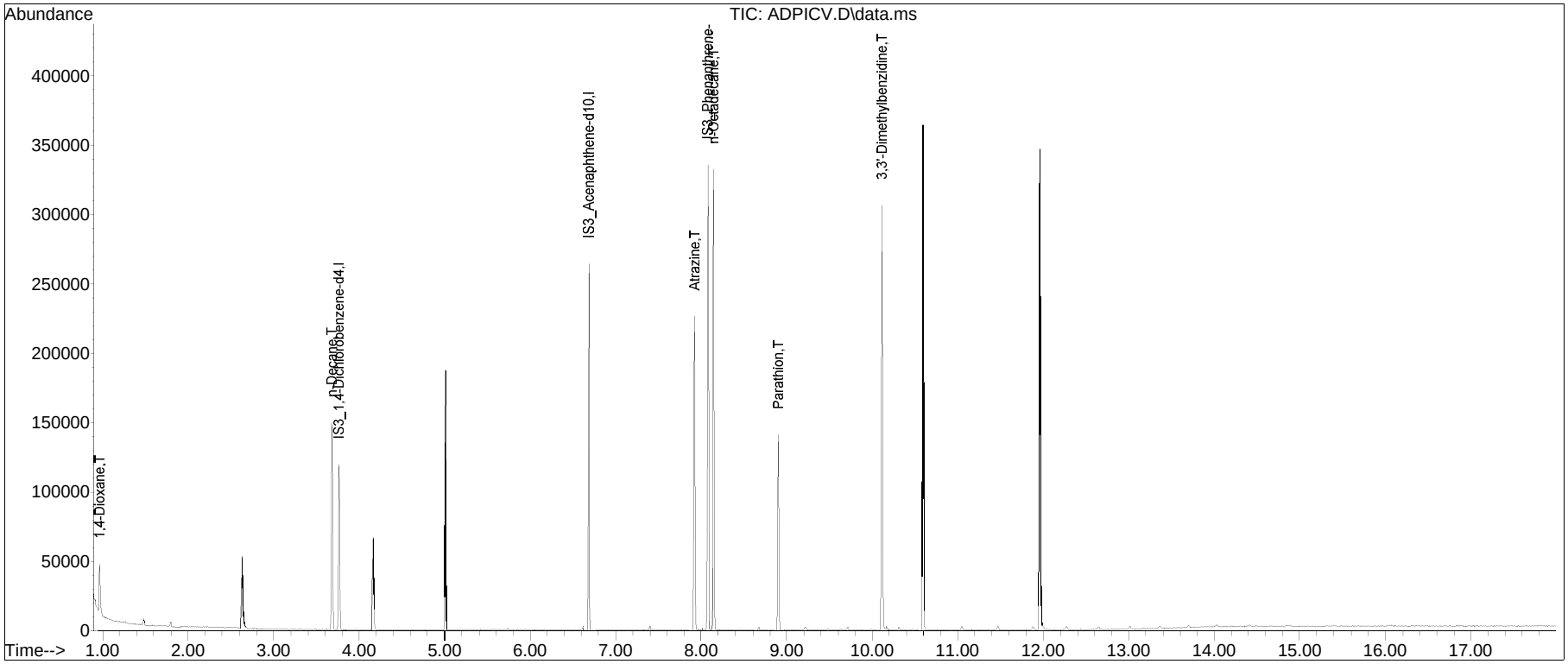
(#) = qualifier out of range (m) = manual integration (+) = signals summed

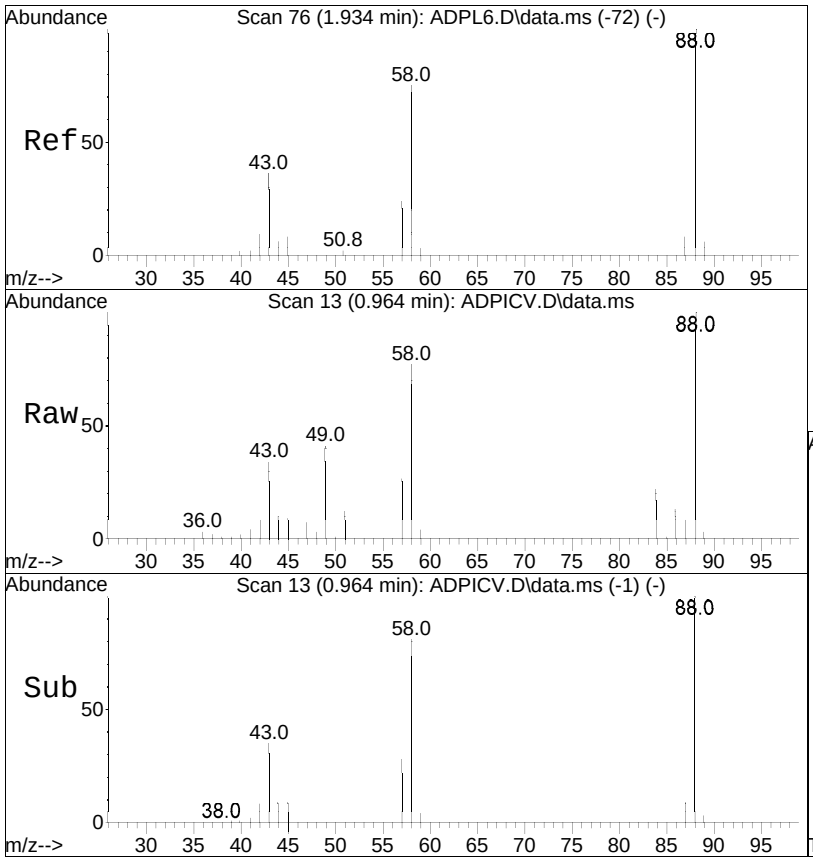
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPICV.D
Acq On : 18 Aug 2025 05:42 am
Operator : SV112:slr
Sample : CQICV,32,,ADPICV Lot# 11856
Misc : WG2104073,,ical
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 18 06:51:33 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:51:40 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\AP9L6.D•

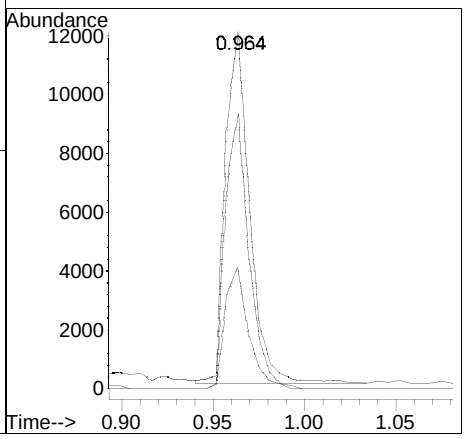


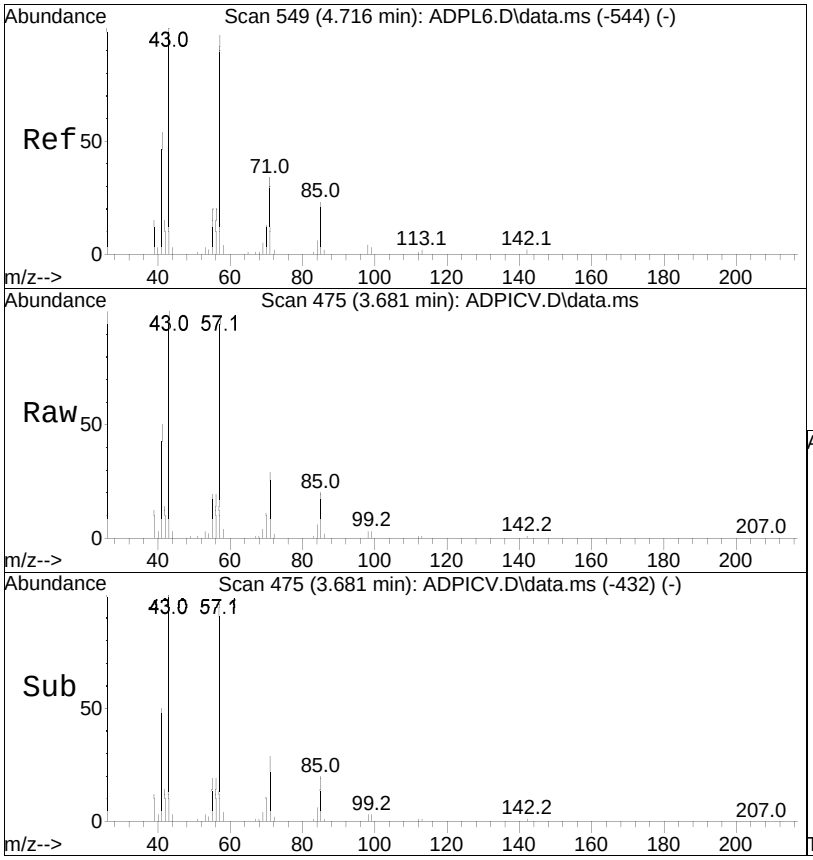


#33
1,4-Dioxane
Concen: 4.45 ug/ml
RT: 0.964 min Scan# 13
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 18 Aug 2025 05:42 am

Tgt Ion: 88 Resp: 10957

Ion	Ratio	Lower	Upper
88	100		
58	75.5	44.8	67.2#
43	33.3	22.4	33.6

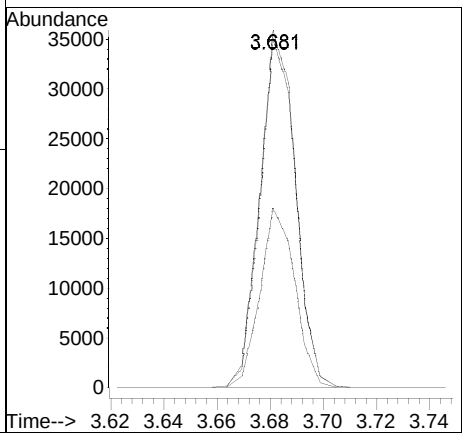


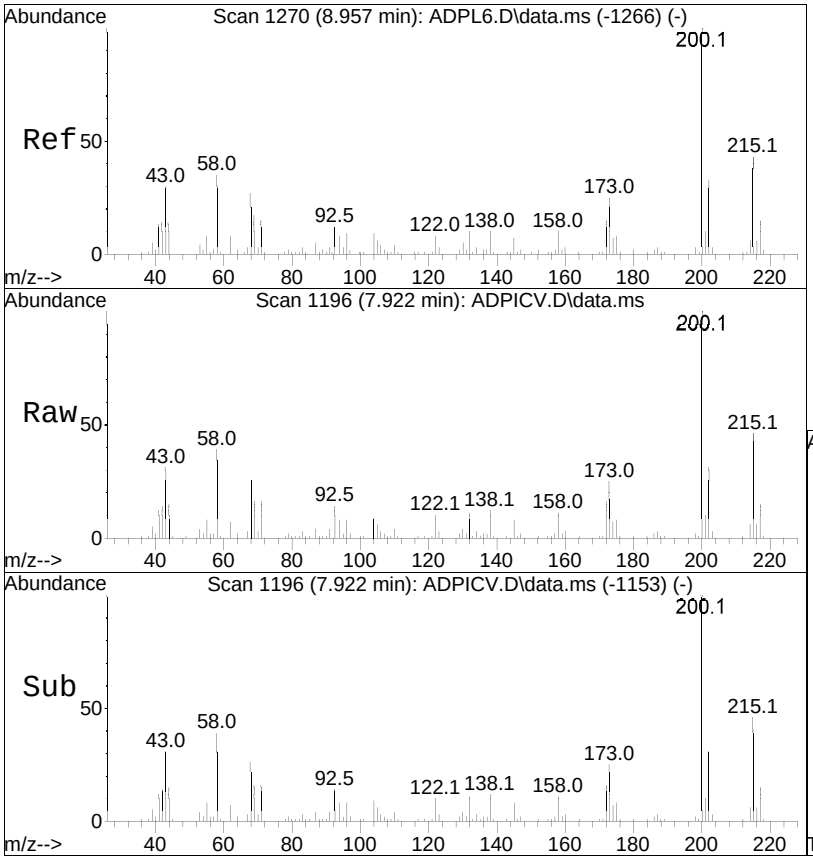


#34
n-Decane
Concen: 4.45 ug/ml
RT: 3.681 min Scan# 475
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 18 Aug 2025 05:42 am

Tgt Ion: 57 Resp: 32142

Ion	Ratio	Lower	Upper
57	100		
43	103.1	75.4	113.2
41	50.8	35.0	52.6

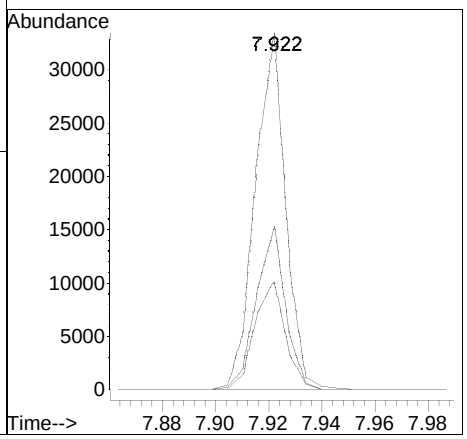


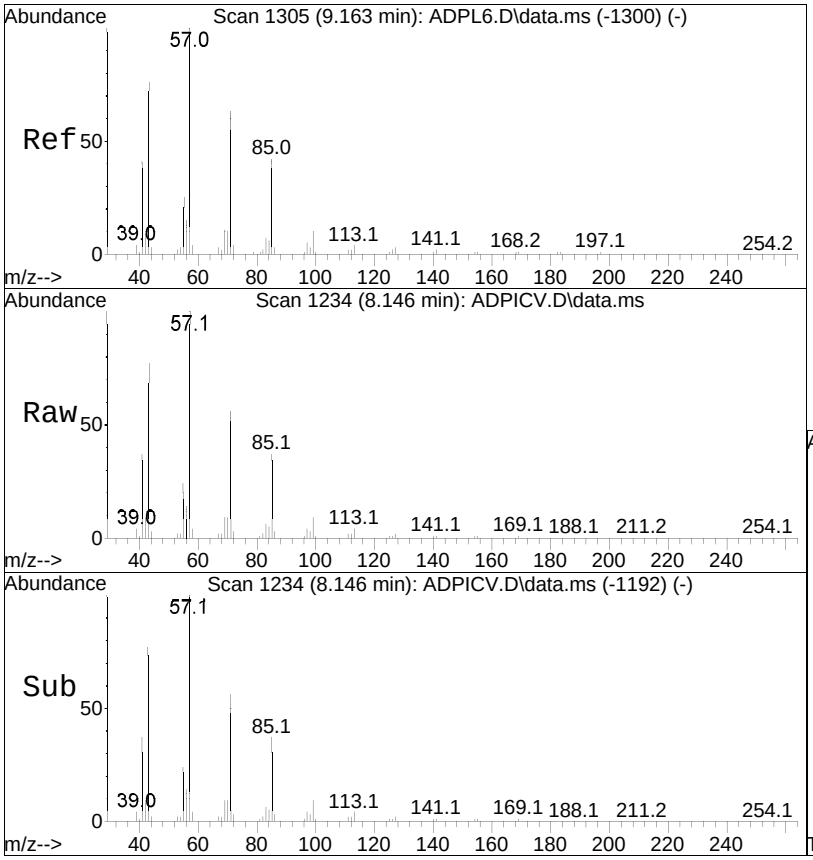


#87
Atrazine
Concen: 4.70 ug/ml
RT: 7.922 min Scan# 1196
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 18 Aug 2025 05:42 am

Tgt Ion:200 Resp: 26187

Ion	Ratio	Lower	Upper
200	100		
202	30.8	25.0	37.6
215	44.2	34.5	51.7

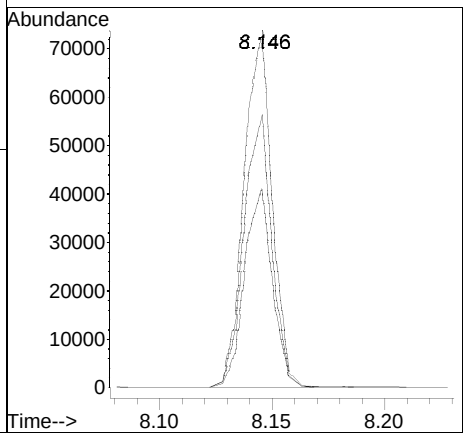


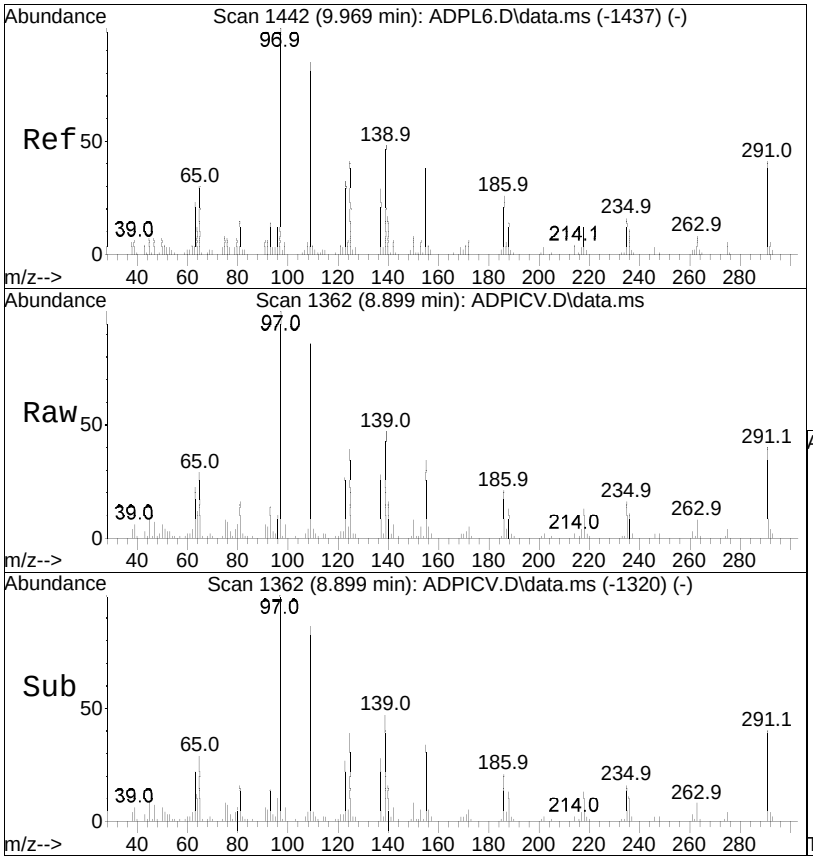


#101
n-Octadecane
Concen: 4.46 ug/ml
RT: 8.146 min Scan# 1234
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 18 Aug 2025 05:42 am

Tgt Ion: 57 Resp: 63239

Ion	Ratio	Lower	Upper
57	100		
43	75.8	54.3	81.5
71	55.4	45.1	67.7

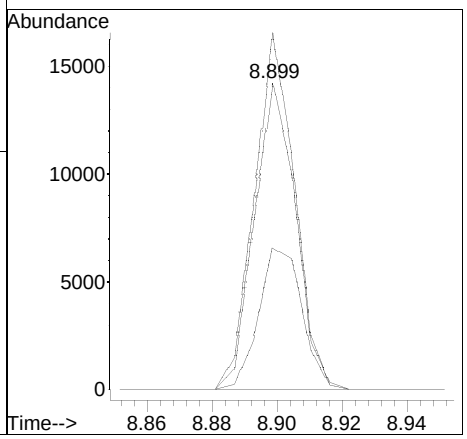


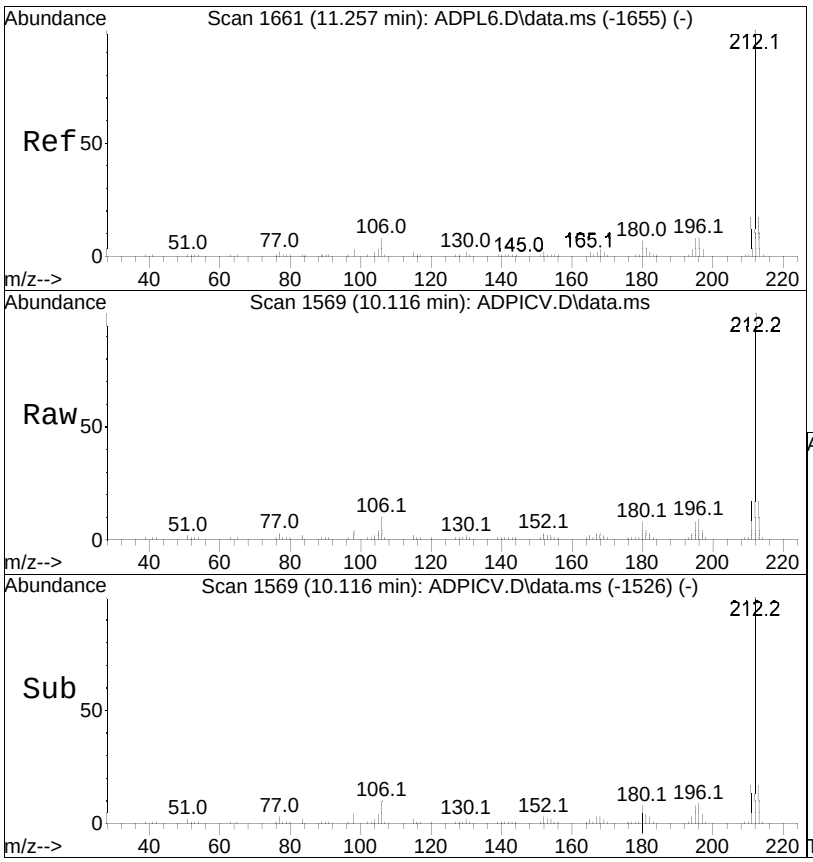


#102
Parathion
Concen: 4.10 ug/ml
RT: 8.899 min Scan# 1362
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 18 Aug 2025 05:42 am

Tgt Ion:109 Resp: 12453

Ion	Ratio	Lower	Upper
109	100		
97	113.3	85.4	128.2
291	48.8	25.4	38.2#

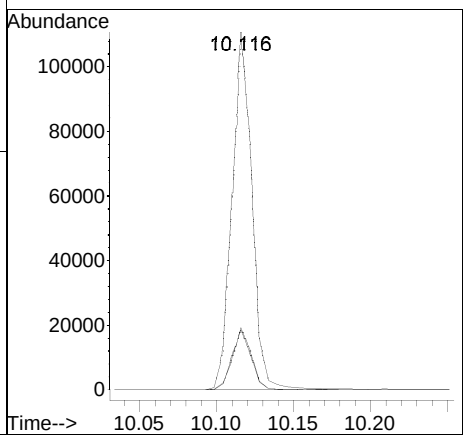




#103
3,3'-Dimethylbenzidine
Concen: 4.67 ug/ml
RT: 10.116 min Scan# 1569
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 18 Aug 2025 05:42 am

Tgt Ion:212 Resp: 98266

Ion	Ratio	Lower	Upper
212	100		
211	16.7	13.3	19.9
213	16.3	13.4	20.2



Manual Integration Report

Data Path	: I:\8270\SV112\250817RVTica	QMethod	: FS250817SV112RVT.m
Data File	: ADPICV.D	Operator	: SV112:slr
Date Inj'd	: 8/18/2025 5:42 am	Instrument	: SV112
Sample	: CQICV,32,,ADPICV Lot# 1185	Quant Date	: 8/18/2025 6:52 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL5a.D
Acq On : 18 Aug 2025 06:05 am
Operator : SV112:slr
Sample : IL6,32,,ABNL2.5 Lot# 11882
Misc : WG2104073,,ical
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 18 06:34:11 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:33:51 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.763	152	16617	4.000	ug/ml	0.00
Standard Area 1 = 18713			Recovery = 88.80%			
35) IS1_Naphthalene-d8	5.010	136	66269	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery = 86.84%			
63) IS1_Acenaphthene-d10	6.687	164	44838	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery = 87.00%			
88) IS1_Phenanthrene-d10	8.081	188	100646	4.000	ug/ml	0.00
Standard Area 1 = 112327			Recovery = 89.60%			
104) IS1_Chrysene-d12	10.598	240	123108	4.000	ug/ml #	0.00
Standard Area 1 = 124647			Recovery = 98.77%			
113) IS1_Perylene-d12	11.963	264	132537	4.000	ug/ml	0.00
Standard Area 1 = 135022			Recovery = 98.16%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.393	112	10591	2.285	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 114.25%#			
7) Phenol-d6	3.487	99	13509	2.252	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 112.60%#			
19) Nitrobenzene-d5	4.322	82	12718	2.235	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 223.50%#			
46) 2-Fluorobiphenyl	6.087	172	38090	2.478	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 247.80%#			
79) 2,4,6-Tribromophenol	7.440	330	6606	2.424	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 121.20%#			
96) 4-Terphenyl-d14	9.651	244	72736	2.736	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 273.60%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.105	74	7972	2.414	ug/ml#	80
3) Pyridine	1.134	79	13323M1	2.440	ug/ml	
5) Aniline	3.440	93	20095	2.530	ug/ml	100
6) 2-Chlorophenol	3.552	128	12727	2.366	ug/ml	97
8) Phenol	3.499	94	15855	2.404	ug/ml	96
9) Bis(2-chloroethyl)ether	3.546	93	13088	2.375	ug/ml#	70
10) 1,3-Dichlorobenzene	3.699	146	15431	2.344	ug/ml	97
11) 1,4-Dichlorobenzene	3.775	146	15702	2.329	ug/ml	96
12) 1,2-Dichlorobenzene	3.922	146	15558	2.394	ug/ml	95

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL5a.D
Acq On : 18 Aug 2025 06:05 am
Operator : SV112:slr
Sample : IL6,32,,ABNL2.5 Lot# 11882
Misc : WG2104073,,ical
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 18 06:34:11 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:33:51 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
13) Benzyl alcohol	3.946	79	10436	2.303 ug/ml	93
14) Bis(2-chloroisopropyl)...	4.105	45	21761	2.431 ug/ml#	73
15) 2-Methylphenol	4.105	108	11276	2.333 ug/ml	96
16) Hexachloroethane	4.258	117	5855	2.349 ug/ml#	71
17) n-Nitrosodi-n-propylamine	4.228	70	9859	2.276 ug/ml#	92
18) 3-Methylphenol/4-Methy...	4.269	108	12476	2.348 ug/ml	98
20) Nitrobenzene	4.346	77	13053	2.207 ug/ml	96
21) Isophorone	4.599	82	27595	2.312 ug/ml	98
22) 2-Nitrophenol	4.663	139	5514	2.103 ug/ml	97
23) 2,4-Dimethylphenol	4.775	107	14260	2.433 ug/ml	97
24) Bis(2-chloroethoxy)met...	4.858	93	17745	2.347 ug/ml	99
25) 2,4-Dichlorophenol	4.910	162	11783	2.274 ug/ml	95
26) 1,2,4-Trichlorobenzene	4.975	180	15113	2.348 ug/ml	97
36) Naphthalene	5.028	128	43527	2.469 ug/ml	99
37) Benzoic Acid	4.875	105	5705	1.616 ug/ml	96
38) 4-Chloroaniline	5.122	65	5984	2.510 ug/ml	89
39) Hexachlorobutadiene	5.199	225	9377	2.208 ug/ml	98
40) p-Chloro-m-cresol	5.646	107	12690	2.389 ug/ml	98
41) 2-Methylnaphthalene	5.710	142	26764	2.386 ug/ml	97
42) 1-Methylnaphthalene	5.799	115	10838	2.419 ug/ml	98
43) Hexachlorocyclopentadiene	5.881	237	10288	2.274 ug/ml	98
44) 2,4,6-Trichlorophenol	6.010	196	10008	2.289 ug/ml	99
45) 2,4,5-Trichlorophenol	6.040	196	11330	2.400 ug/ml	99
47) 2-Chloronaphthalene	6.163	162	32110	2.462 ug/ml	95
48) 2-Nitroaniline	6.293	138	8285	2.299 ug/ml	97
49) 1,4-Dinitrobenzene	6.428	168	4102	2.330 ug/ml	93
50) 1,3-Dinitrobenzene	6.499	168	4448	2.263 ug/ml	90
51) Dimethyl phthalate	6.510	163	42611	2.592 ug/ml	99
52) Acenaphthylene	6.546	152	55434	2.624 ug/ml	99
53) 2,6-Dinitrotoluene	6.540	165	7463	2.323 ug/ml#	69
54) 1,2-Dinitrobenzene	6.575	168	3078	2.411 ug/ml#	1
64) 3-Nitroaniline	6.687	138	8402	2.457 ug/ml#	96
65) Acenaphthene	6.716	154	30543	2.469 ug/ml	94
66) 2,4-Dinitrophenol	6.793	184	3389	1.951 ug/ml#	80
67) Dibenzofuran	6.887	168	52845	2.580 ug/ml	93
68) 2,4-Dinitrotoluene	6.916	165	10540	2.412 ug/ml	88
69) 4-Nitrophenol	6.910	65	6883	2.461 ug/ml#	1
70) 2,3,5,6-Tetrachlorophenol	6.987	232	9818	2.369 ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL5a.D
Acq On : 18 Aug 2025 06:05 am
Operator : SV112:slr
Sample : IL6,32,,ABNL2.5 Lot# 11882
Misc : WG2104073,,ical
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 18 06:34:11 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:33:51 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2,3,4,6-Tetrachlorophenol	7.028	232	10648	2.550	ug/ml	98
72) Diethyl phthalate	7.193	149	45292	2.593	ug/ml	98
73) Fluorene	7.210	166	42832	2.574	ug/ml	97
74) 4-Chlorophenyl phenyl ...	7.252	204	21734	2.473	ug/ml#	85
75) 4-Nitroaniline	7.257	138	8987	2.728	ug/ml	91
76) 4,6-Dinitro-o-cresol	7.299	198	6120	2.445	ug/ml#	82
77) NDPA/DPA	7.369	169	36342	2.617	ug/ml	97
78) Azobenzene	7.393	77	41973M6	2.763	ug/ml	
80) 4-Bromophenyl phenyl e...	7.704	248	13790	2.390	ug/ml#	83
81) Hexachlorobenzene	7.734	284	16172	2.363	ug/ml#	88
82) Pentachlorophenol	7.940	266	7595	2.300	ug/ml	95
89) Phenanthrene	8.104	178	72043	2.619	ug/ml	99
90) Anthracene	8.151	178	71733	2.628	ug/ml	99
91) Carbazole	8.334	167	67269	2.717	ug/ml	98
92) Di-n-butylphthalate	8.763	149	76502	2.628	ug/ml	99
93) Fluoranthene	9.228	202	91297M3	2.761	ug/ml	
94) Benzidine	9.410	184	49641	2.826	ug/ml#	97
95) Pyrene	9.428	202	98472	2.915	ug/ml	99
97) Butyl benzyl phthalate	10.175	149	31740	2.476	ug/ml	96
105) Benzo(a)anthracene	10.587	228	100672	2.501	ug/ml	99
106) 3,3'-Dichlorobenzidine	10.622	252	34918	2.385	ug/ml	96
107) Chrysene	10.622	228	98010	2.635	ug/ml	98
108) Bis(2-ethylhexyl)phtha...	10.793	149	52017	2.368	ug/ml	99
109) Di-n-octylphthalate	11.428	149	83352	2.363	ug/ml	98
110) Benzo(b)fluoranthene	11.616	252	100621	2.553	ug/ml#	95
111) Benzo(k)fluoranthene	11.640	252	102100M3	2.672	ug/ml	
112) Benzo(a)pyrene	11.904	252	94498	2.595	ug/ml#	95
114) Indeno(1,2,3-cd)pyrene	12.875	276	88114M3	2.396	ug/mL	
115) Dibenzo(a,h)anthracene	12.910	278	90140M6	2.563	ug/ml	
116) Benzo(ghi)perylene	13.081	276	93142	2.549	ug/ml	94

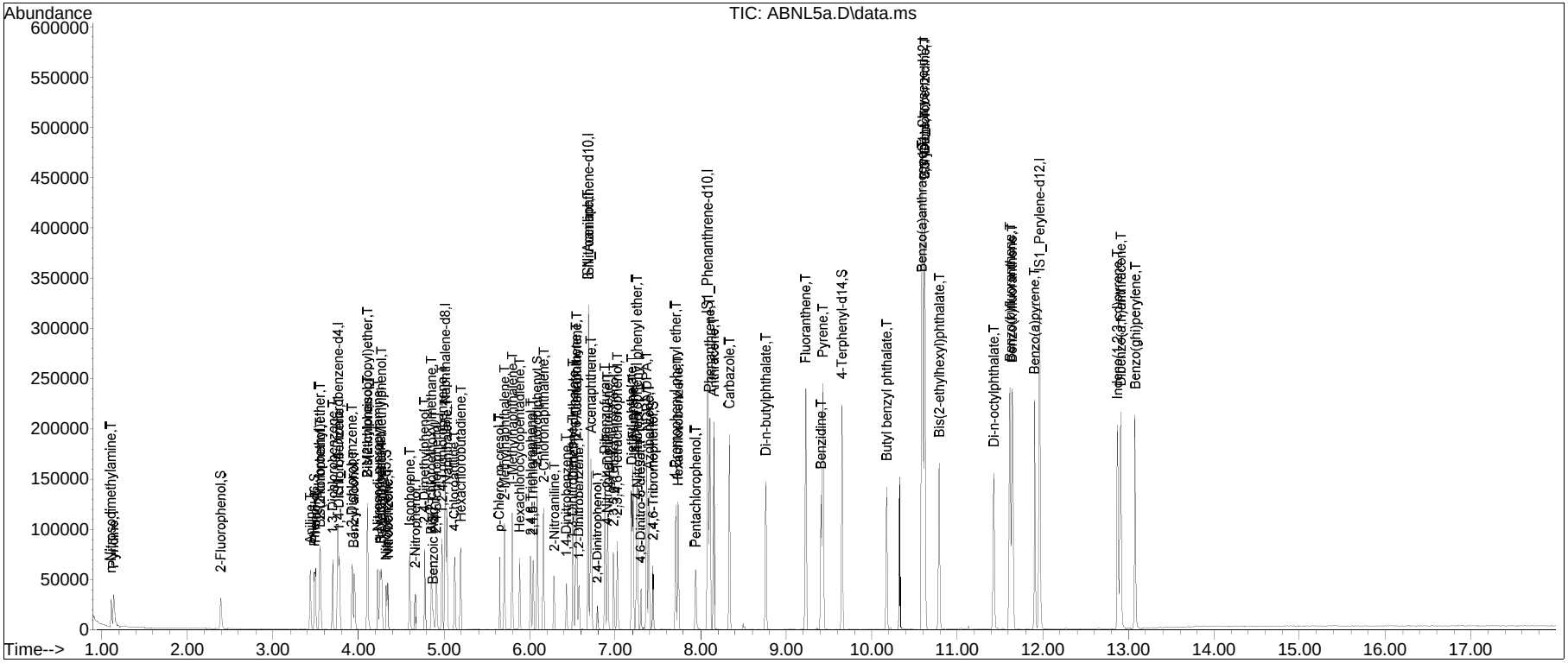
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL5a.D
Acq On : 18 Aug 2025 06:05 am
Operator : SV112:slr
Sample : IL6,32,,ABNL2.5 Lot# 11882
Misc : WG2104073,,ical
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 18 06:34:11 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:33:51 2025
Response via : Initial Calibration

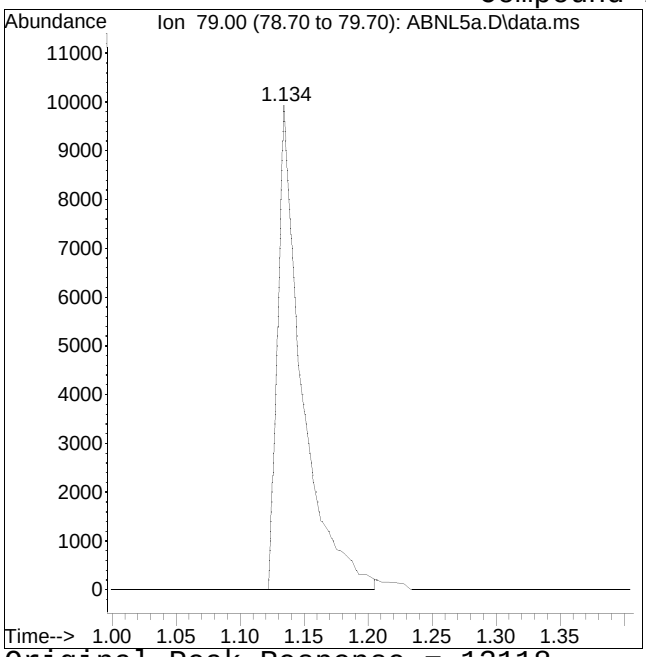
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

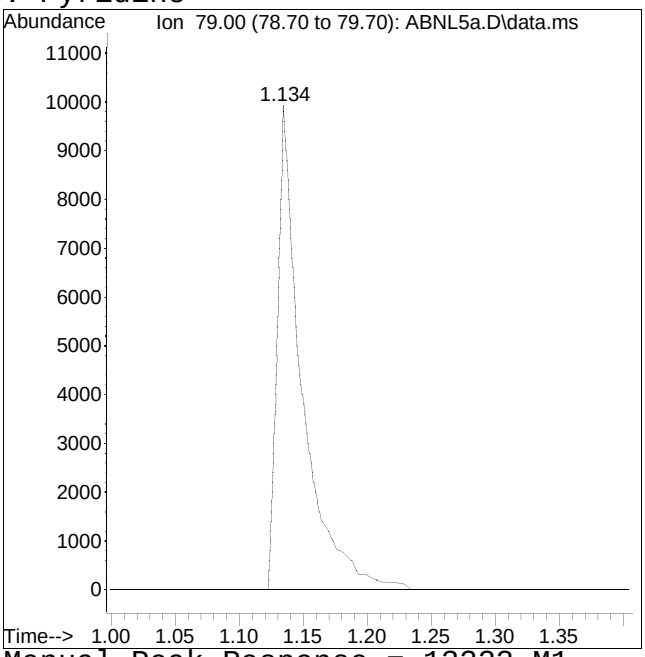


Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL5a.D Operator : SV112:slr
Date Inj'd : 8/18/2025 6:05 am Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 11882Quant Date : 8/18/2025 6:34 am

Compound #3: Pyridine



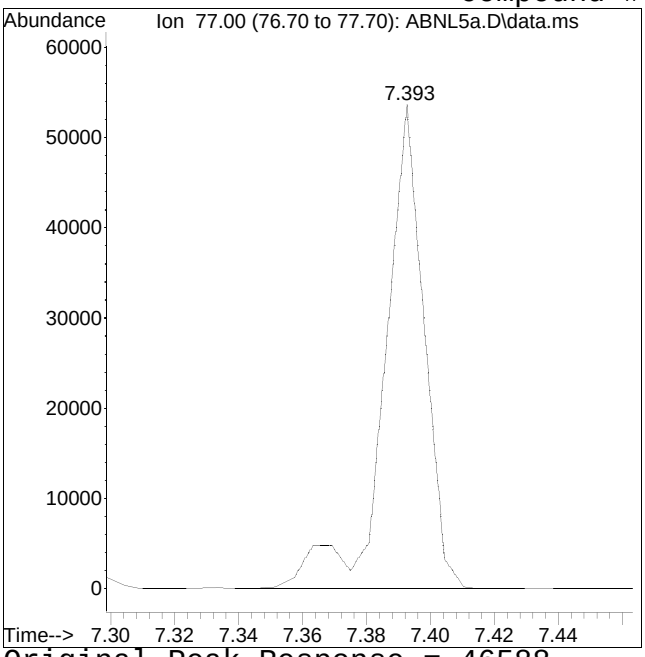


Original Peak Response = 13118 Manual Peak Response = 13323 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

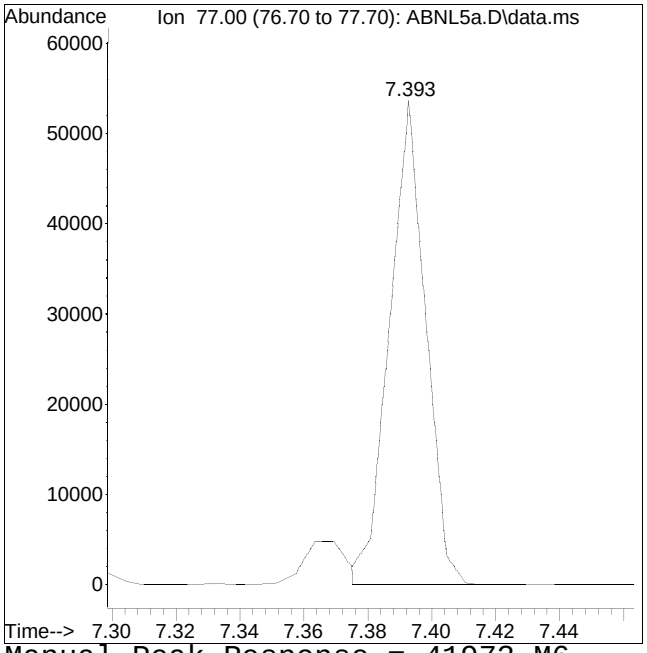
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL5a.D Operator : SV112:slr
Date Inj'd : 8/18/2025 6:05 am Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 11882Quant Date : 8/18/2025 6:34 am

Compound #78: Azobenzene



Original Peak Response = 46588



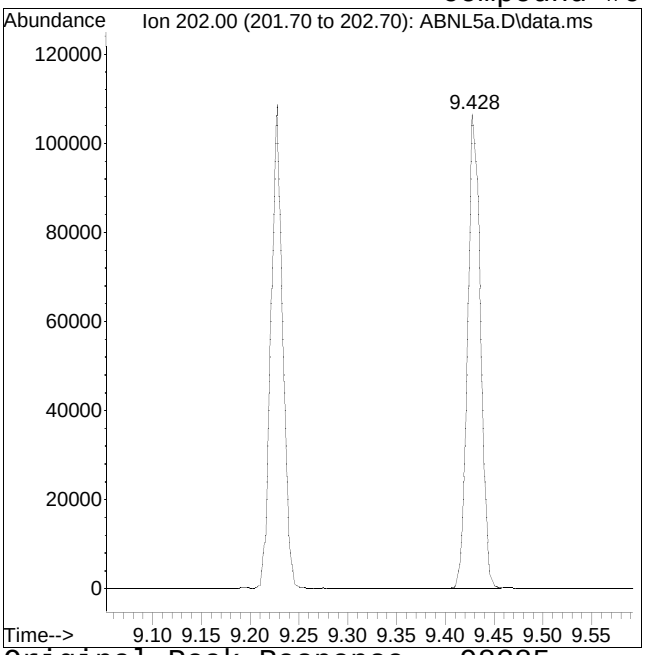
Manual Peak Response = 41973 M6

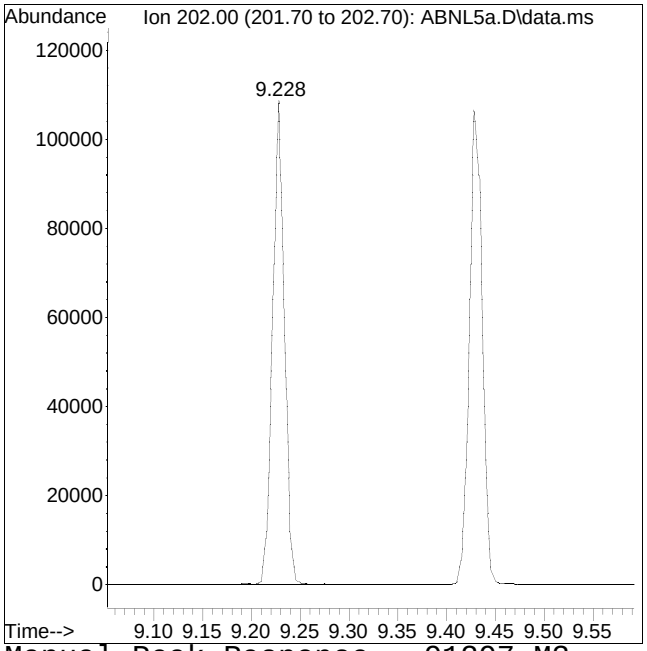
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL5a.D Operator : SV112:slr
Date Inj'd : 8/18/2025 6:05 am Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 11882Quant Date : 8/18/2025 6:34 am

Compound #93: Fluoranthene



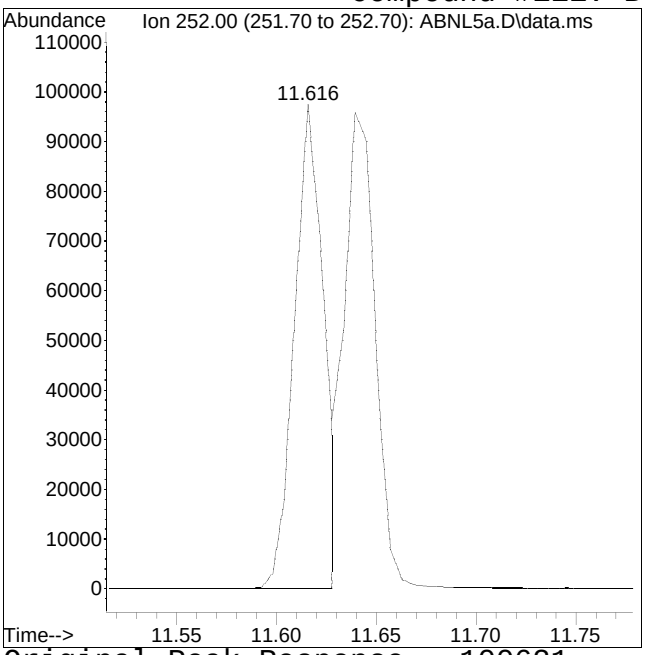


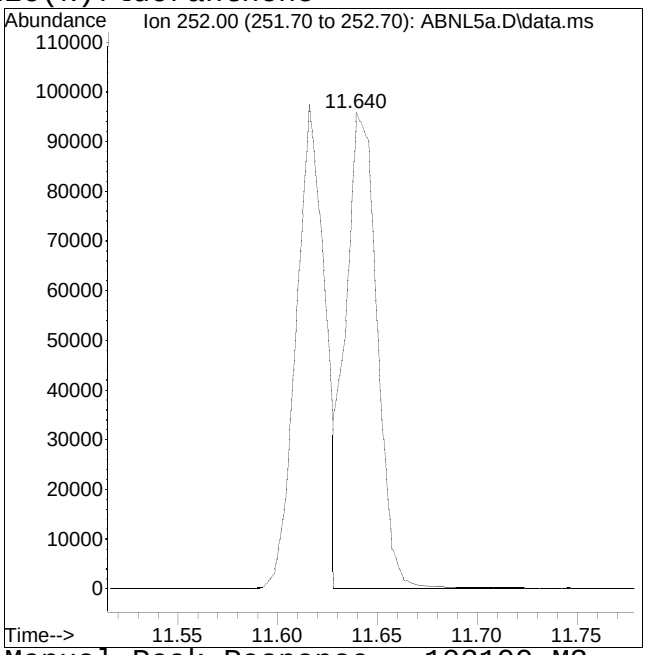
Original Peak Response = 98385 Manual Peak Response = 91297 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL5a.D Operator : SV112:slr
Date Inj'd : 8/18/2025 6:05 am Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 11882Quant Date : 8/18/2025 6:34 am

Compound #111: Benzo(k)fluoranthene





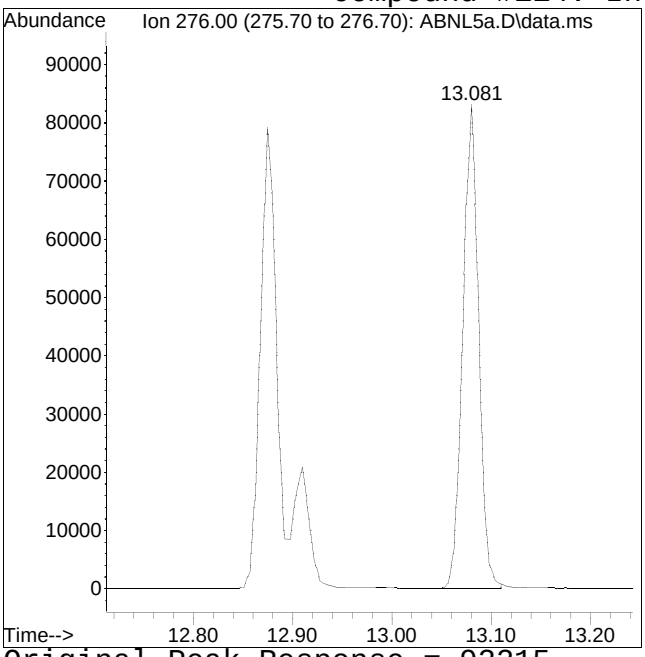
Original Peak Response = 100621 Manual Peak Response = 102100 M3

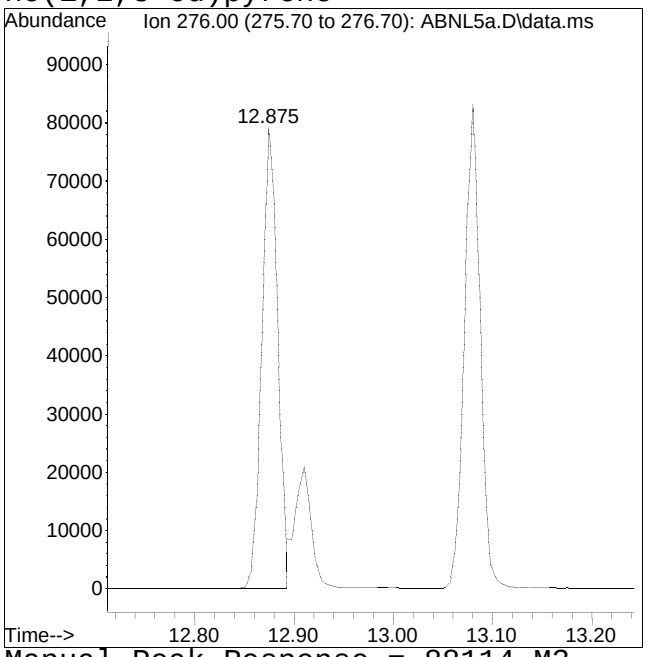
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL5a.D Operator : SV112:slr
Date Inj'd : 8/18/2025 6:05 am Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 11882Quant Date : 8/18/2025 6:34 am

Compound #114: Indeno(1,2,3-cd)pyrene



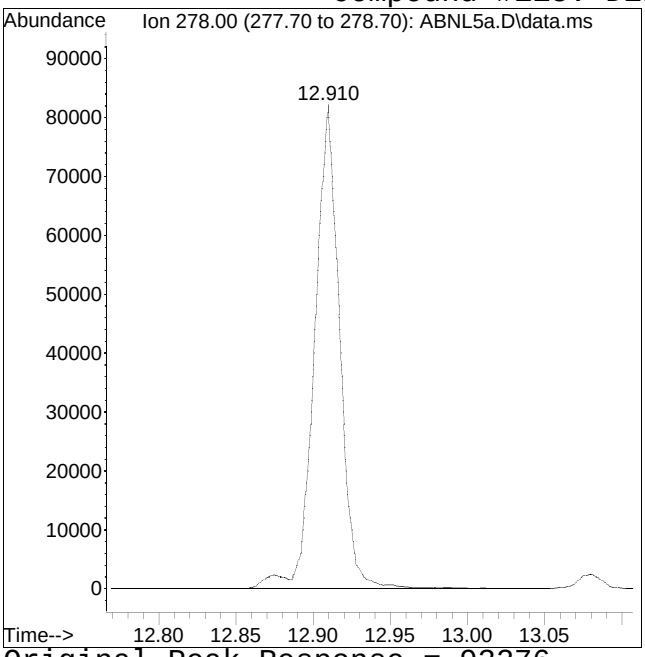


Original Peak Response = 92215 Manual Peak Response = 88114 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

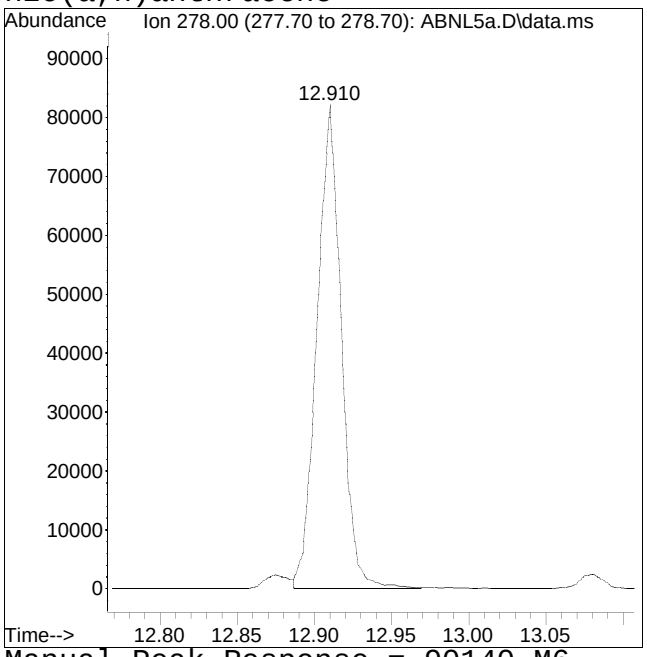
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNL5a.D Operator : SV112:slr
Date Inj'd : 8/18/2025 6:05 am Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 11882Quant Date : 8/18/2025 6:34 am

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 93276



Manual Peak Response = 90140 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNICVa.D
Acq On : 18 Aug 2025 06:27 am
Operator : SV112:slr
Sample : CQICV,32,,ABNICV Lot# 11881
Misc : WG2104073,,ical
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 18 09:11:12 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 09:02:59 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	95	0.00
2	T	n-Nitrosodimethylamine		0.792	0.776	2.0	84	0.00
3	T	Pyridine		1.349	1.396	-3.5	95	0.00
4	S	2-Fluorophenol		1.105	1.040	5.9	79	0.00
5	T	Aniline	*	5.000	4.481	10.4	85	0.00
6	T	2-Chlorophenol		1.287	1.267	1.6	81	0.00
7	S	Phenol-d6		1.428	1.443	-1.1	84	0.00
8	T	Phenol		1.581	1.586	-0.3	85	0.00
9	T	Bis(2-chloroethyl)ether		1.319	1.272	3.6	84	0.00
10	T	1,3-Dichlorobenzene		1.573	1.540	2.1	87	0.00
11	T	1,4-Dichlorobenzene		1.611	1.541	4.3	84	0.00
12	T	1,2-Dichlorobenzene		1.557	1.471	5.5	83	0.00
13	T	Benzyl alcohol		1.122	1.101	1.9	85	0.00
14	T	Bis(2-chloroisopropyl)ether		2.148	2.124	1.1	86	0.00
15	T	2-Methylphenol		1.155	1.199	-3.8	87	0.00
16	T	Hexachloroethane		0.596	0.578	3.0	85	0.00
17	T	n-Nitrosodi-n-propylamine		1.032	1.019	1.3	84	0.00
18	T	3-Methylphenol/4-Methylphen		1.270	1.291	-1.7	87	0.00
19	S	Nitrobenzene-d5		1.354	1.333	1.6	83	0.00
20	T	Nitrobenzene		1.405	1.414	-0.6	86	0.00
21	T	Isophorone		2.849	2.846	0.1	84	0.00
22	T	2-Nitrophenol	*	5.000	3.891	22.2#	78	0.00
23	T	2,4-Dimethylphenol		1.510	1.415	6.3	82	0.00
24	T	Bis(2-chloroethoxy)methane		1.807	1.824	-0.9	86	0.00
25	T	2,4-Dichlorophenol		1.335	1.242	7.0	81	0.00
26	T	1,2,4-Trichlorobenzene		1.539	1.479	3.9	85	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	96	0.00
36	T	Naphthalene		1.063	1.015	4.5	85	0.00
37	T	Benzoic Acid	*	5.000	4.080	18.4	75	0.00
38	T	4-Chloroaniline		0.144	0.145	-0.7	88	0.00
39	T	Hexachlorobutadiene		0.253	0.231	8.7	82	0.00
40	T	p-Chloro-m-cresol		0.329	0.317	3.6	83	0.00
41	T	2-Methylnaphthalene		0.674	0.678	-0.6	89	0.00
42	T	1-Methylnaphthalene		0.269	0.259	3.7	87	0.00
43	T	Hexachlorocyclopentadiene	*	5.000	4.084	18.3	78	0.00
44	T	2,4,6-Trichlorophenol	*	5.000	4.080	18.4	81	0.00
45	T	2,4,5-Trichlorophenol	*	5.000	4.356	12.9	80	0.00
46	S	2-Fluorobiphenyl		0.927	0.901	2.8	84	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNICVa.D
Acq On : 18 Aug 2025 06:27 am
Operator : SV112:slr
Sample : CQICV,32,,ABNICV Lot# 11881
Misc : WG2104073,,ical
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 18 09:11:12 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 09:02:59 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene		0.786	0.780	0.8	87	0.00
48	T	2-Nitroaniline	*	5.000	4.193	16.1	86	0.00
49	T	1,4-Dinitrobenzene		0.128	0.105	18.0	82	0.00
50	T	1,3-Dinitrobenzene		0.145	0.118	18.6	82	0.00
51	T	Dimethyl phthalate		0.996	1.018	-2.2	85	0.00
52	T	Acenaphthylene		1.282	1.314	-2.5	84	0.00
53	T	2,6-Dinitrotoluene	*	5.000	4.190	16.2	82	0.00
54	T	1,2-Dinitrobenzene		0.094	0.080	14.9	83	0.00
63	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	97	0.00
64	T	3-Nitroaniline	*	5.000	4.493	10.1	88	0.00
65	T	Acenaphthene		1.102	1.083	1.7	89	0.00
66	T	2,4-Dinitrophenol	*	5.000	3.989	20.2#	79	0.00
67	T	Dibenzofuran		1.833	1.790	2.3	86	0.00
68	T	2,4-Dinitrotoluene	*	5.000	4.346	13.1	85	0.00
69	T	4-Nitrophenol	*	5.000	4.777	4.5	89	0.00
70	T	2,3,5,6-Tetrachlorophenol	*	5.000	4.133	17.3	80	0.00
71	T	2,3,4,6-Tetrachlorophenol	*	5.000	4.283	14.3	81	0.00
72	T	Diethyl phthalate		1.565	1.574	-0.6	86	0.00
73	T	Fluorene		1.489	1.487	0.1	88	0.00
74	T	4-Chlorophenyl phenyl ether		0.783	0.735	6.1	86	0.00
75	T	4-Nitroaniline	*	5.000	4.581	8.4	88	0.00
76	T	4,6-Dinitro-o-cresol	*	5.000	4.319	13.6	86	0.00
77	T	NDPA/DPA		1.246	1.266	-1.6	88	0.00
78	T	Azobenzene		1.371	1.451	-5.8	88	0.00
79	S	2,4,6-Tribromophenol		0.254	0.231	9.1	81	0.00
80	T	4-Bromophenyl phenyl ether		0.512	0.502	2.0	87	0.00
81	T	Hexachlorobenzene		0.607	0.566	6.8	86	0.00
82	T	Pentachlorophenol	*	5.000	4.061	18.8	80	0.00
88	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	100	0.00
89	T	Phenanthrene		1.099	1.079	1.8	91	0.00
90	T	Anthracene		1.091	1.098	-0.6	90	0.00
91	T	Carbazole		0.993	1.032	-3.9	91	0.00
92	T	Di-n-butylphthalate		1.164	1.219	-4.7	89	0.00
93	T	Fluoranthene		1.329	1.365	-2.7	91	0.00
94	T	Benzidine	*	5.000	4.808	3.8	91	0.00
95	T	Pyrene		1.367	1.456	-6.5	93	0.00
96	S	4-Terphenyl-d14		1.068	1.072	-0.4	91	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNICVa.D
Acq On : 18 Aug 2025 06:27 am
Operator : SV112:slr
Sample : CQICV,32,,ABNICV Lot# 11881
Misc : WG2104073,,ical
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 18 09:11:12 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 09:02:59 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	*	5.000	4.446	11.1	90	0.00
104	I	IS1_Chrysene-d12		1.000	1.000	0.0	105	0.00
105	T	Benzo(a)anthracene		1.308	1.270	2.9	94	0.00
106	T	3,3'-Dichlorobenzidine		0.473	0.459	3.0	87	0.00
107	T	Chrysene		1.216	1.217	-0.1	94	0.00
108	T	Bis(2-ethylhexyl)phthalate	*	5.000	4.397	12.1	90	0.00
109	T	Di-n-octylphthalate	*	5.000	4.110	17.8	90	0.00
110	T	Benzo(b)fluoranthene		1.283	1.236	3.7	94	0.00
111	T	Benzo(k)fluoranthene		1.251	1.323	-5.8	94	0.00
112	T	Benzo(a)pyrene		1.188	1.190	-0.2	93	0.00
113	I	IS1_Perylene-d12		1.000	1.000	0.0	103	0.00
114	T	Indeno(1,2,3-cd)pyrene		1.105	1.085	1.8	90	0.00
115	T	Dibenzo(a,h)anthracene		1.064	1.080	-1.5	91	0.00
116	T	Benzo(ghi)perylene		1.105	1.114	-0.8	93	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNICVa.D
Acq On : 18 Aug 2025 06:27 am
Operator : SV112:slr
Sample : CQICV,32,,ABNICV Lot# 11881
Misc : WG2104073,,ical
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 18 09:11:12 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 09:02:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	3.758	152	17769	4.000	ug/ml		0.00
Standard Area 1 = 18713			Recovery = 94.96%				
35) IS1_Naphthalene-d8	5.010	136	73475	4.000	ug/ml		0.00
Standard Area 1 = 76311			Recovery = 96.28%				
63) IS1_Acenaphthene-d10	6.687	164	50055	4.000	ug/ml		0.00
Standard Area 1 = 51538			Recovery = 97.12%				
88) IS1_Phenanthrene-d10	8.081	188	112490	4.000	ug/ml		0.00
Standard Area 1 = 112327			Recovery = 100.15%				
104) IS1_Chrysene-d12	10.598	240	130657	4.000	ug/ml	#	0.00
Standard Area 1 = 124647			Recovery = 104.82%				
113) IS1_Perylene-d12	11.963	264	139106	4.000	ug/ml		0.00
Standard Area 1 = 135022			Recovery = 103.02%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.387	112	23099	4.706	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 235.30%#				
7) Phenol-d6	3.487	99	32055	5.053	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 252.65%#				
19) Nitrobenzene-d5	4.322	82	29607	4.923	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 492.30%#				
46) 2-Fluorobiphenyl	6.087	172	82749	4.859	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 485.90%#				
79) 2,4,6-Tribromophenol	7.440	330	14440	4.536	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 226.80%#				
96) 4-Terphenyl-d14	9.651	244	150724	5.019	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 501.90%#				
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	1.105	74	17234	4.899	ug/ml	#	76
3) Pyridine	1.122	79	31008M1	5.173	ug/ml		
5) Aniline	3.434	93	44940	4.481	ug/ml		99
6) 2-Chlorophenol	3.552	128	28134	4.921	ug/ml		94
8) Phenol	3.499	94	35232	5.017	ug/ml		94
9) Bis(2-chloroethyl)ether	3.546	93	28253	4.821	ug/ml	#	68
10) 1,3-Dichlorobenzene	3.699	146	34196	4.892	ug/ml		98
11) 1,4-Dichlorobenzene	3.775	146	34220	4.782	ug/ml		97
12) 1,2-Dichlorobenzene	3.922	146	32674	4.725	ug/ml		98

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNICVa.D
Acq On : 18 Aug 2025 06:27 am
Operator : SV112:slr
Sample : CQICV,32,,ABNICV Lot# 11881
Misc : WG2104073,,ical
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 18 09:11:12 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 09:02:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	3.946	79	24461	4.910	ug/ml	97
14) Bis(2-chloroisopropyl)...	4.105	45	47171	4.943	ug/ml#	71
15) 2-Methylphenol	4.105	108	26623	5.190	ug/ml	98
16) Hexachloroethane	4.252	117	12843	4.850	ug/ml#	72
17) n-Nitrosodi-n-propylamine	4.228	70	22624	4.934	ug/ml	94
18) 3-Methylphenol/4-Methy...	4.269	108	28667	5.080	ug/ml	96
20) Nitrobenzene	4.340	77	31417	5.033	ug/ml	95
21) Isophorone	4.593	82	63215	4.994	ug/ml	98
22) 2-Nitrophenol	4.663	139	12969	3.891	ug/ml	99
23) 2,4-Dimethylphenol	4.775	107	31435	4.688	ug/ml	100
24) Bis(2-chloroethoxy)met...	4.857	93	40520	5.047	ug/ml#	98
25) 2,4-Dichlorophenol	4.910	162	27593	4.654	ug/ml	96
26) 1,2,4-Trichlorobenzene	4.975	180	32858	4.807	ug/ml	96
36) Naphthalene	5.028	128	93195	4.774	ug/ml	99
37) Benzoic Acid	4.893	105	15810	4.080	ug/ml	99
38) 4-Chloroaniline	5.122	65	13330	5.040	ug/ml	92
39) Hexachlorobutadiene	5.199	225	21224	4.566	ug/ml	99
40) p-Chloro-m-cresol	5.646	107	29121	4.821	ug/ml	98
41) 2-Methylnaphthalene	5.710	142	62250	5.032	ug/ml	98
42) 1-Methylnaphthalene	5.799	115	23773	4.804	ug/ml	98
43) Hexachlorocyclopentadiene	5.881	237	24637	4.084	ug/ml	98
44) 2,4,6-Trichlorophenol	6.010	196	23463	4.080	ug/ml	98
45) 2,4,5-Trichlorophenol	6.040	196	26328	4.356	ug/ml	97
47) 2-Chloronaphthalene	6.163	162	71680	4.966	ug/ml	95
48) 2-Nitroaniline	6.293	138	19803	4.193	ug/ml	98
49) 1,4-Dinitrobenzene	6.428	168	9662	4.108	ug/ml	95
50) 1,3-Dinitrobenzene	6.504	168	10857	4.074	ug/ml	98
51) Dimethyl phthalate	6.510	163	93469	5.107	ug/ml	99
52) Acenaphthylene	6.546	152	120672	5.124	ug/ml	99
53) 2,6-Dinitrotoluene	6.540	165	17334	4.190	ug/ml#	69
54) 1,2-Dinitrobenzene	6.575	168	7351	4.270	ug/ml#	1
64) 3-Nitroaniline	6.687	138	20338	4.493	ug/ml#	98
65) Acenaphthene	6.716	154	67786	4.915	ug/ml	98
66) 2,4-Dinitrophenol	6.787	184	8850	3.989	ug/ml#	87
67) Dibenzofuran	6.887	168	112007	4.882	ug/ml	93
68) 2,4-Dinitrotoluene	6.916	165	24798	4.346	ug/ml	90
69) 4-Nitrophenol	6.910	65	18414	4.777	ug/ml#	28
70) 2,3,5,6-Tetrachlorophenol	6.987	232	23528	4.133	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNICVa.D
Acq On : 18 Aug 2025 06:27 am
Operator : SV112:slr
Sample : CQICV,32,,ABNICV Lot# 11881
Misc : WG2104073,,ical
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 18 09:11:12 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 09:02:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
: 2 - I:\8270\SV112\250817RVTical\ADPL6.D
: 3 - I:\8270\SV112\250817RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2,3,4,6-Tetrachlorophenol	7.028	232	24306	4.283	ug/ml	97
72) Diethyl phthalate	7.193	149	98507	5.032	ug/ml	98
73) Fluorene	7.210	166	93015	4.990	ug/ml	98
74) 4-Chlorophenyl phenyl ...	7.251	204	45988	4.693	ug/ml#	85
75) 4-Nitroaniline	7.263	138	20475	4.581	ug/ml	89
76) 4,6-Dinitro-o-cresol	7.299	198	14437	4.319	ug/ml#	82
77) NDPA/DPA	7.369	169	79194	5.081	ug/ml	97
78) Azobenzene	7.393	77	90814M6	5.294	ug/ml	
80) 4-Bromophenyl phenyl e...	7.704	248	31417	4.902	ug/ml#	85
81) Hexachlorobenzene	7.734	284	35435	4.667	ug/ml#	89
82) Pentachlorophenol	7.940	266	18224	4.061	ug/ml	97
89) Phenanthrene	8.104	178	151732	4.909	ug/ml	99
90) Anthracene	8.151	178	154329	5.029	ug/ml	100
91) Carbazole	8.334	167	145179	5.197	ug/ml	99
92) Di-n-butylphthalate	8.769	149	171468	5.240	ug/ml	100
93) Fluoranthene	9.228	202	191999M3	5.135	ug/ml	
94) Benzidine	9.410	184	115660	4.808	ug/ml#	98
95) Pyrene	9.434	202	204682	5.323	ug/ml	100
97) Butyl benzyl phthalate	10.175	149	72857	4.446	ug/ml	97
105) Benzo(a)anthracene	10.592	228	207497	4.856	ug/ml	100
106) 3,3'-Dichlorobenzidine	10.622	252	74975	4.849	ug/ml#	98
107) Chrysene	10.622	228	198758	5.004	ug/ml	98
108) Bis(2-ethylhexyl)phtha...	10.792	149	117028	4.397	ug/ml	99
109) Di-n-octylphthalate	11.428	149	194880	4.110	ug/ml	99
110) Benzo(b)fluoranthene	11.616	252	201922	4.816	ug/ml#	97
111) Benzo(k)fluoranthene	11.645	252	216045M3	5.286	ug/ml	
112) Benzo(a)pyrene	11.910	252	194293	5.006	ug/ml#	96
114) Indeno(1,2,3-cd)pyrene	12.881	276	188653M3	4.911	ug/mL	
115) Dibenzo(a,h)anthracene	12.910	278	187733M6	5.072	ug/ml	
116) Benzo(ghi)perylene	13.081	276	193704	5.040	ug/ml	95

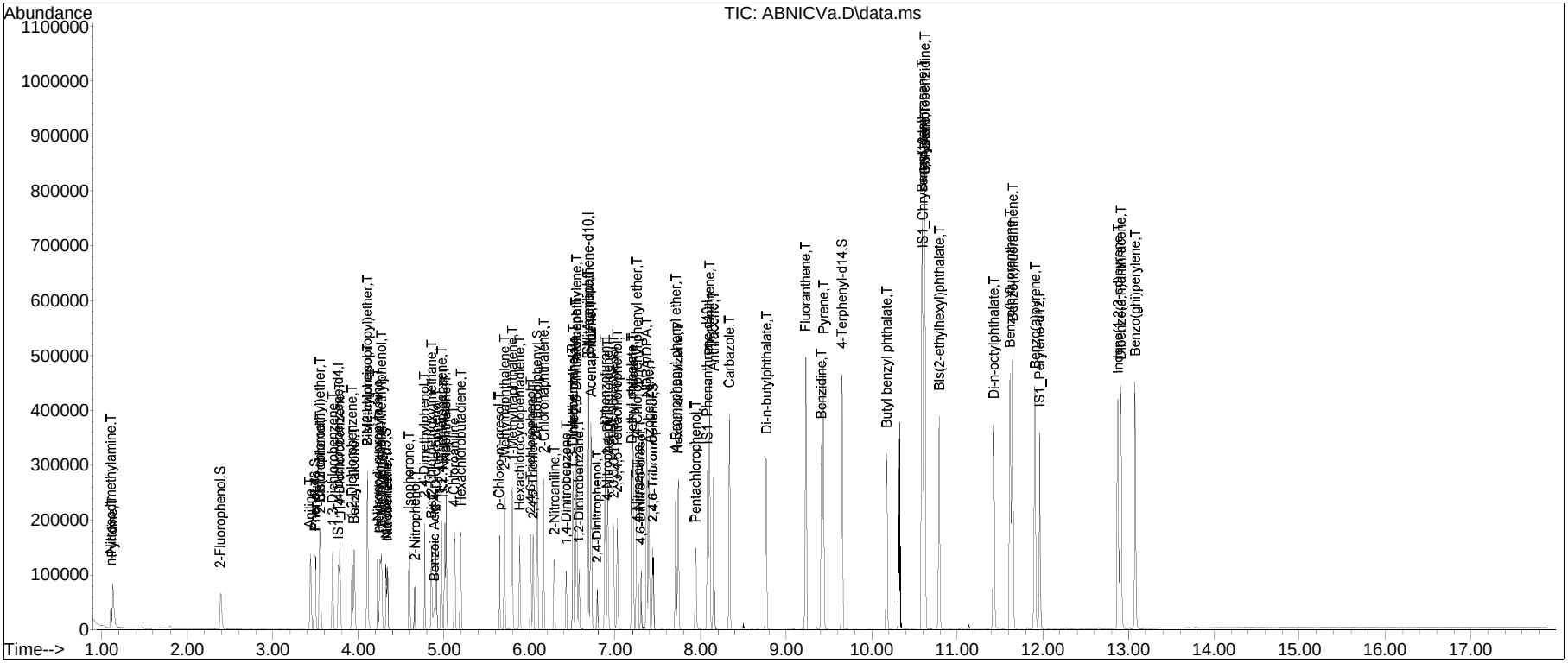
(#) = qualifier out of range (m) = manual integration (+) = signals summed

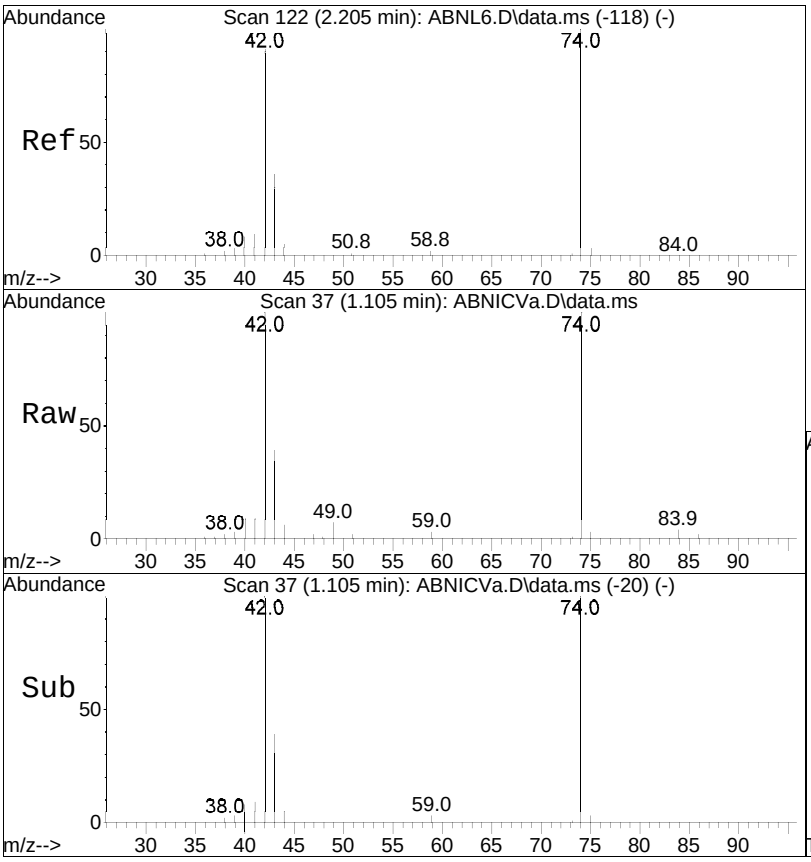
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNICVa.D
Acq On : 18 Aug 2025 06:27 am
Operator : SV112:slr
Sample : CQICV,32,,ABNICV Lot# 11881
Misc : WG2104073,,ical
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 18 09:11:12 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 09:02:59 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

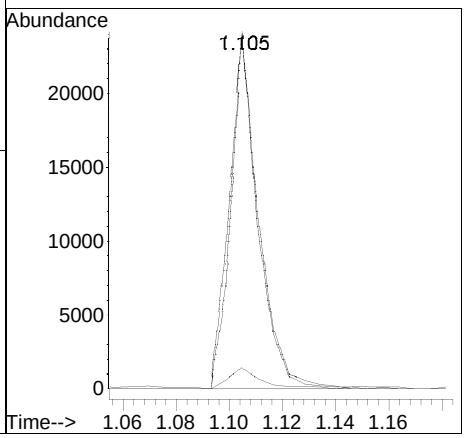


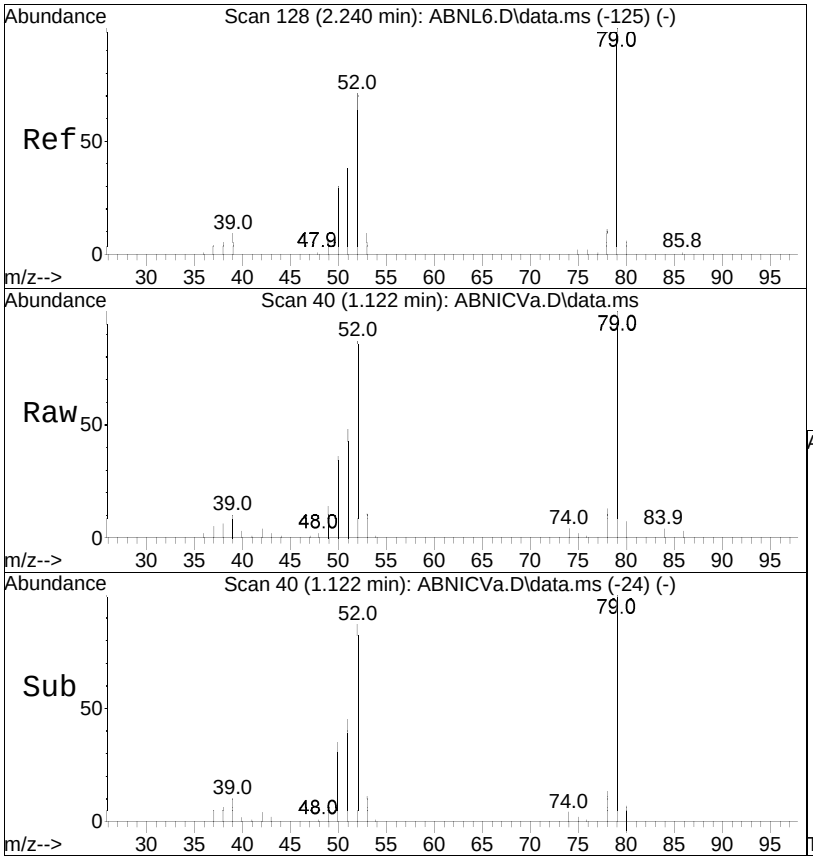


#2
n-Nitrosodimethylamine
Concen: 4.90 ug/ml
RT: 1.105 min Scan# 37
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion: 74 Resp: 17234

Ion	Ratio	Lower	Upper
74	100		
42	101.9	63.8	95.8#
44	7.2	4.3	6.5#

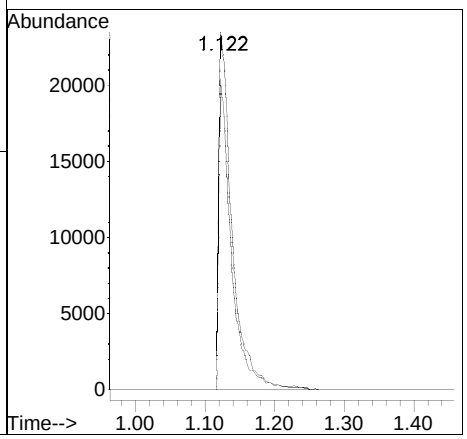


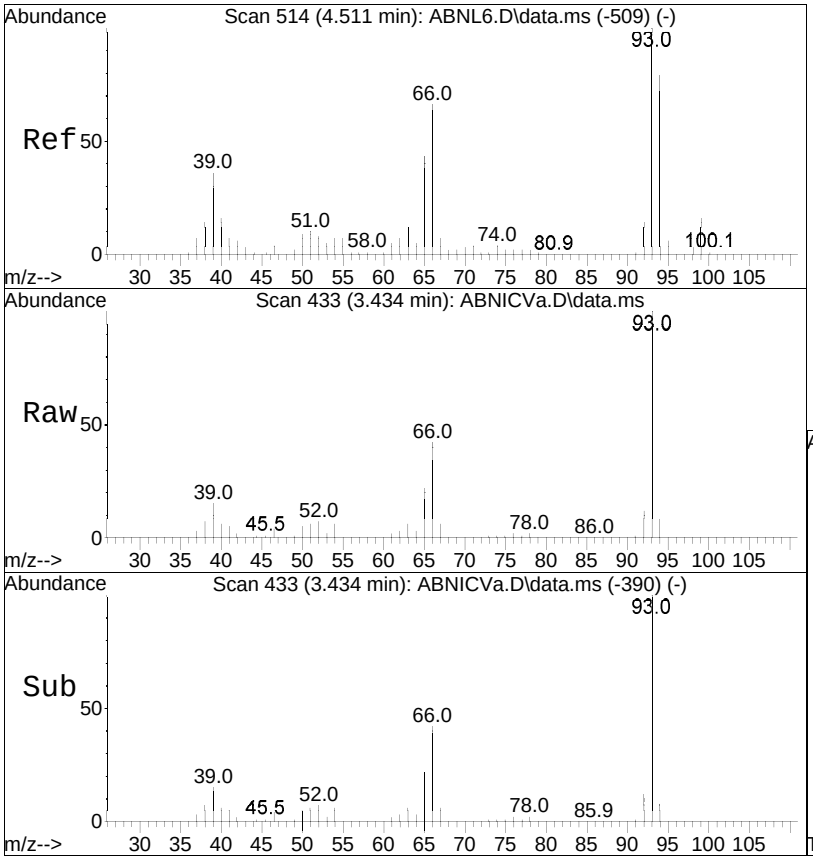


#3
Pyridine
Concen: 5.17 ug/ml M1
RT: 1.122 min Scan# 40
Delta R.T. -0.006 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion: 79 Resp: 31008

Ion	Ratio	Lower	Upper
79	100		
52	80.7	64.6	96.8

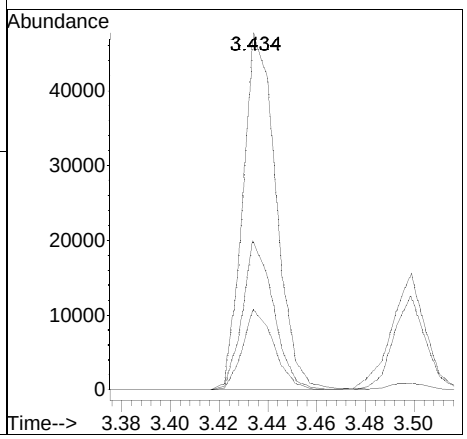


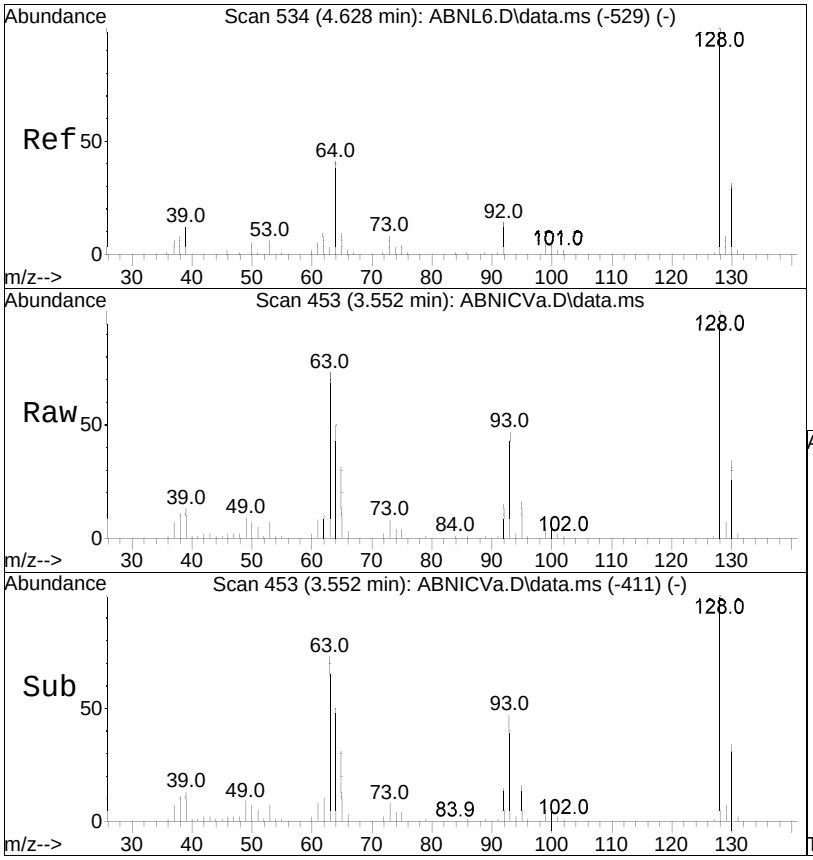


#5
Aniline
Concen: 4.48 ug/ml
RT: 3.434 min Scan# 433
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion: 93 Resp: 44940

Ion	Ratio	Lower	Upper
93	100		
66	39.3	31.3	46.9
65	21.5	16.6	25.0

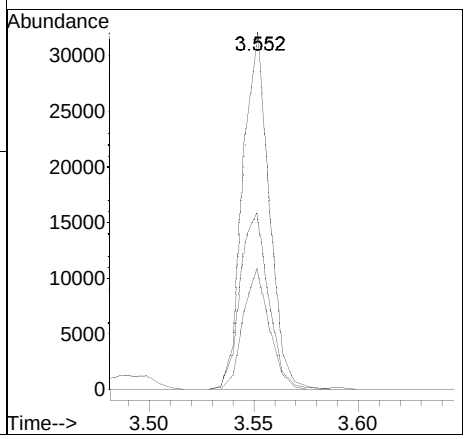


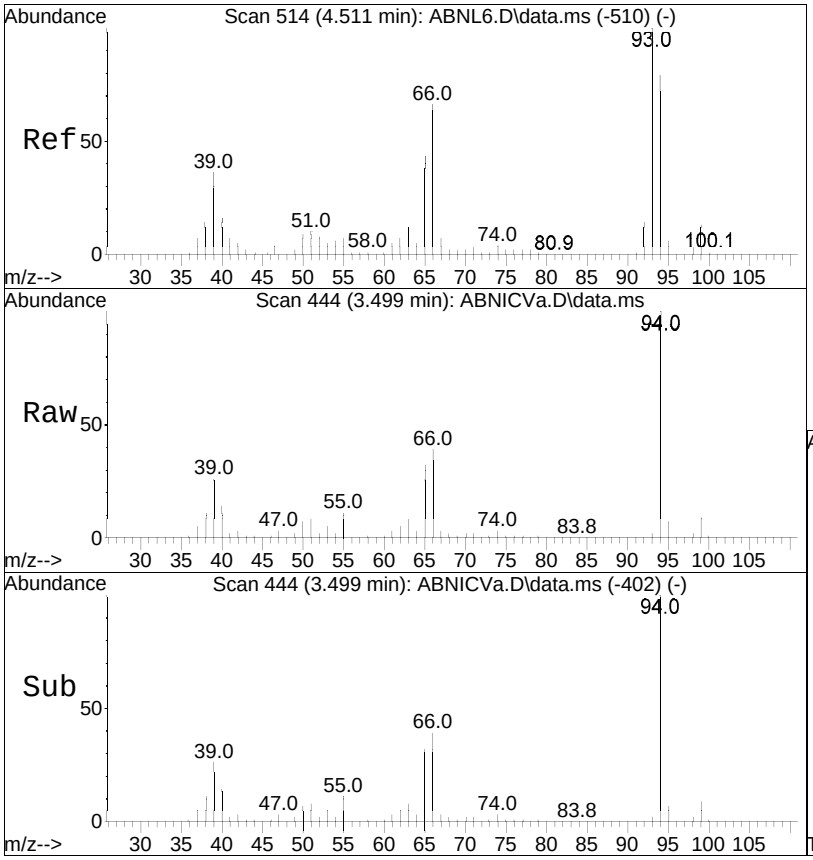


#6
2-Chlorophenol
Concen: 4.92 ug/ml
RT: 3.552 min Scan# 453
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:128 Resp: 28134

Ion	Ratio	Lower	Upper
128	100		
64	53.4	38.2	57.4
130	33.5	26.2	39.2

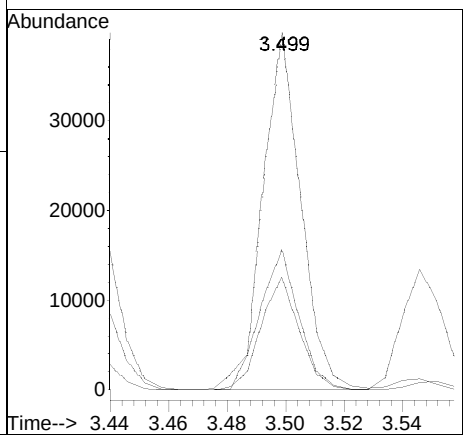


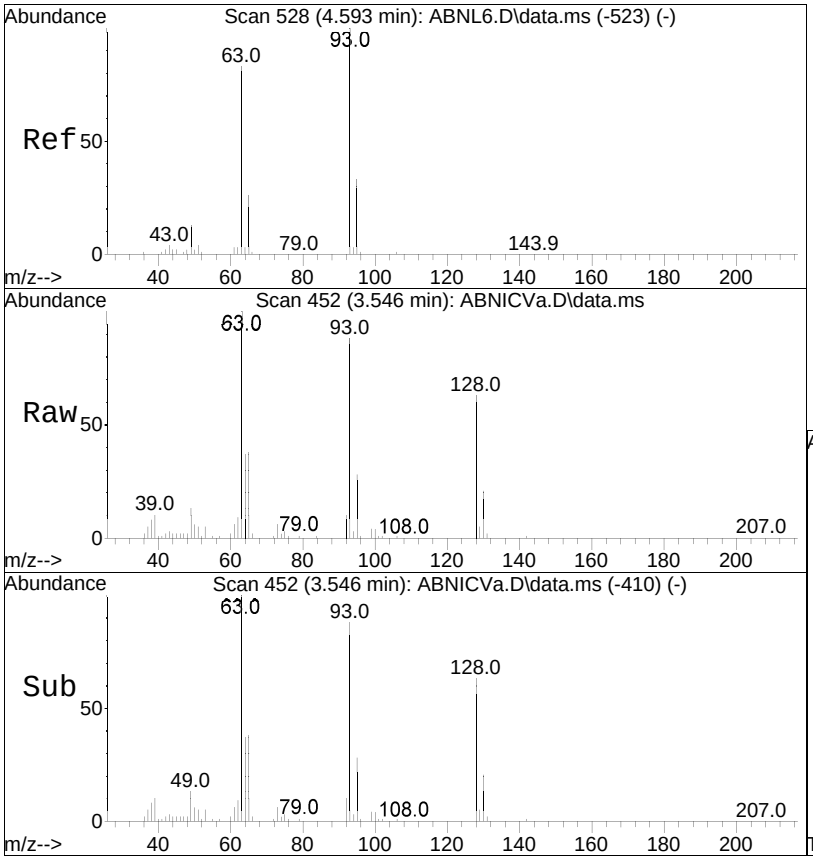


#8
Phenol
Concen: 5.02 ug/ml
RT: 3.499 min Scan# 444
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion: 94 Resp: 35232

Ion	Ratio	Lower	Upper
94	100		
65	32.9	23.0	34.6
66	43.3	32.1	48.1

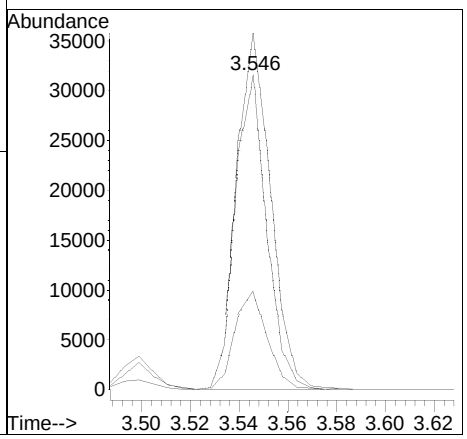


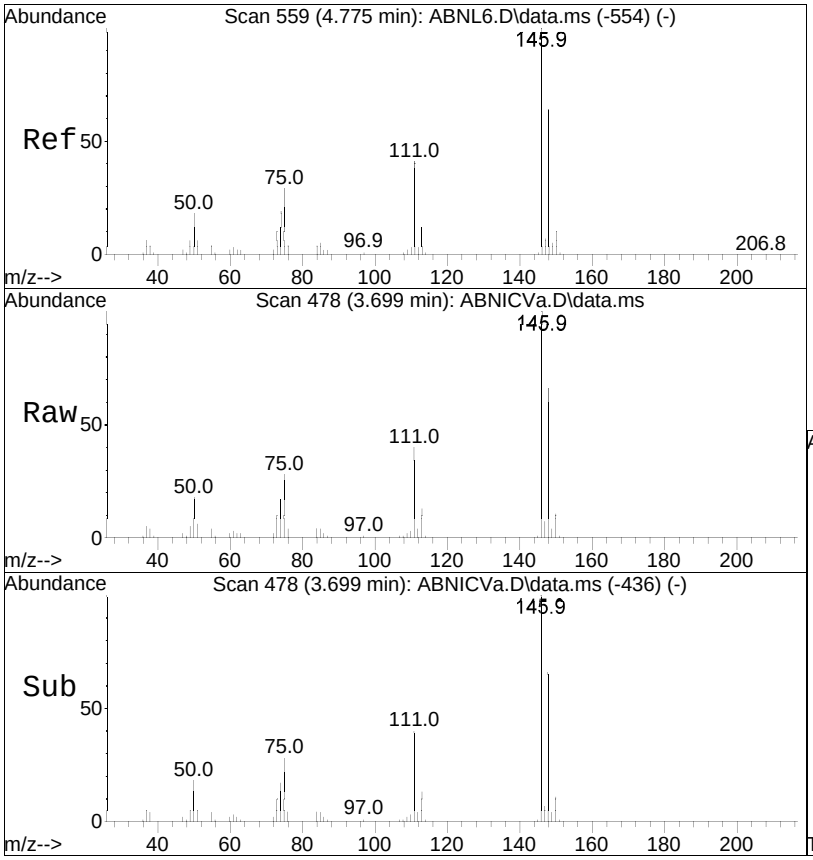


#9
Bis(2-chloroethyl)ether
Concen: 4.82 ug/ml
RT: 3.546 min Scan# 452
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion: 93 Resp: 28253

Ion	Ratio	Lower	Upper
93	100		
63	123.1	67.0	100.4#
95	32.3	26.1	39.1

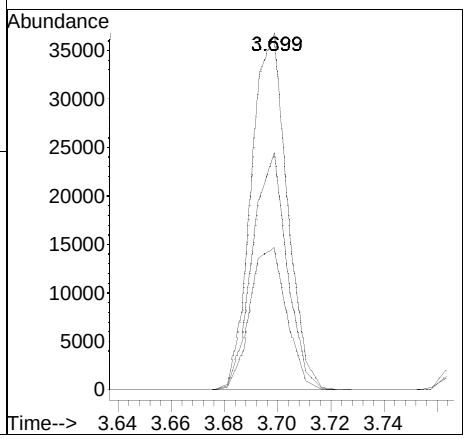


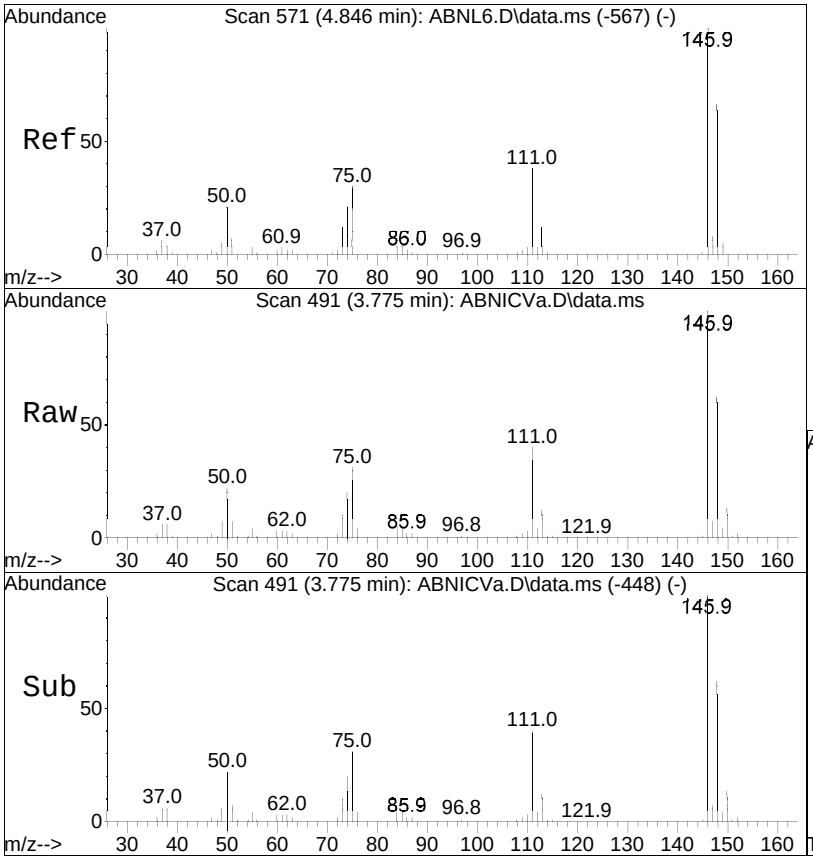


#10
1,3-Dichlorobenzene
Concen: 4.89 ug/ml
RT: 3.699 min Scan# 478
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:146 Resp: 34196

Ion	Ratio	Lower	Upper
146	100		
111	41.0	35.0	52.4
148	64.0	51.3	76.9

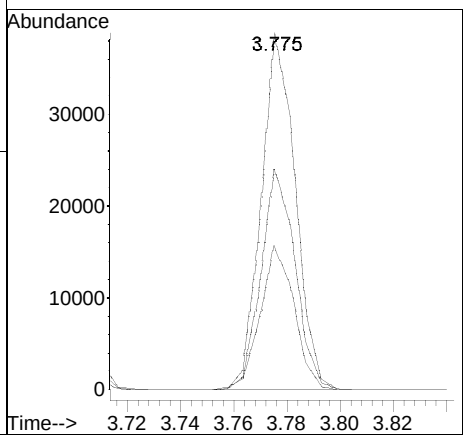


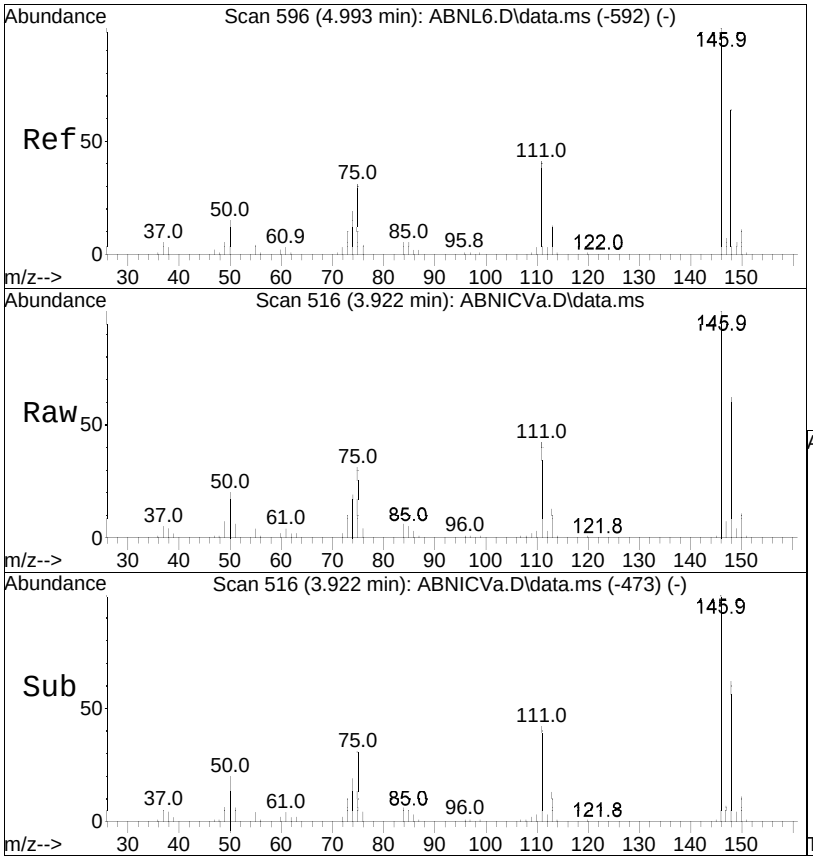


#11
1,4-Dichlorobenzene
Concen: 4.78 ug/ml
RT: 3.775 min Scan# 491
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:146 Resp: 34220

Ion	Ratio	Lower	Upper
146	100		
148	62.1	51.1	76.7
111	40.5	34.4	51.6

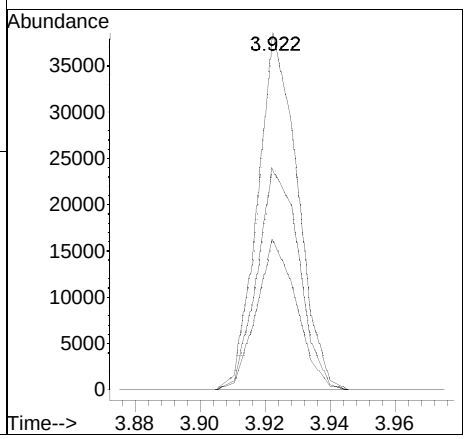


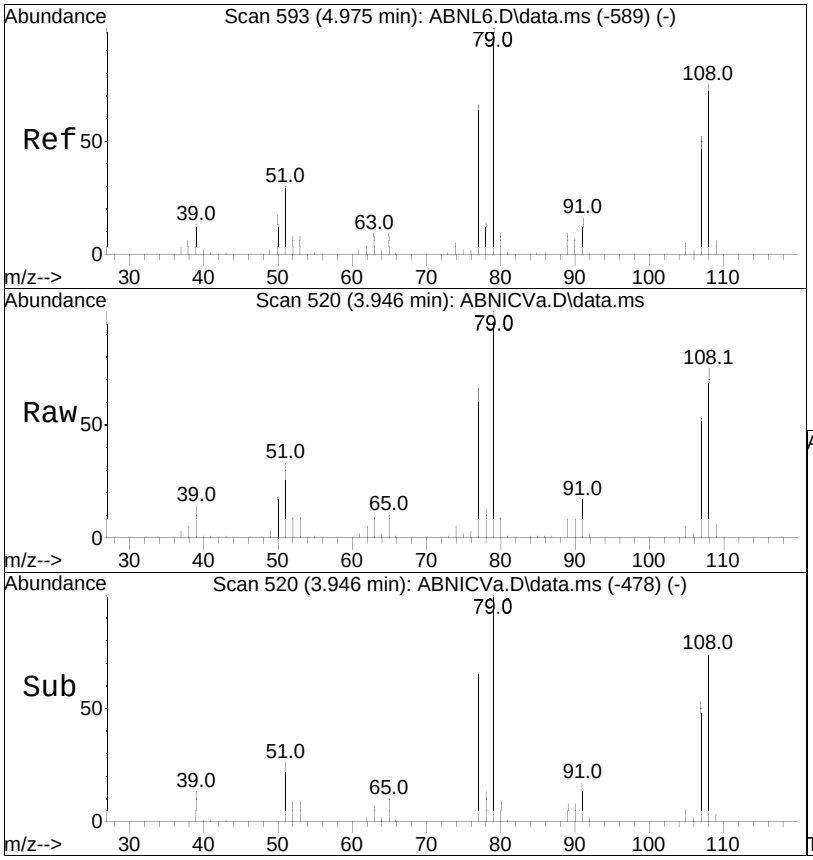


#12
1,2-Dichlorobenzene
Concen: 4.72 ug/ml
RT: 3.922 min Scan# 516
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:146 Resp: 32674

Ion	Ratio	Lower	Upper
146	100		
111	42.3	35.5	53.3
148	64.8	50.6	76.0

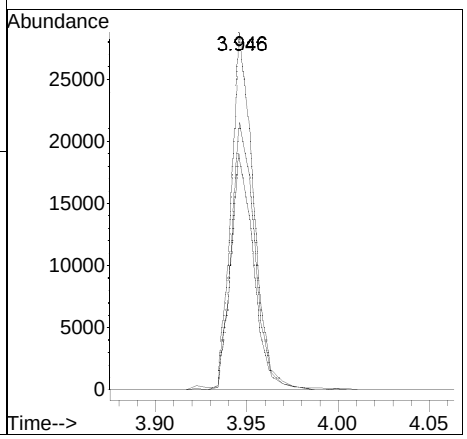


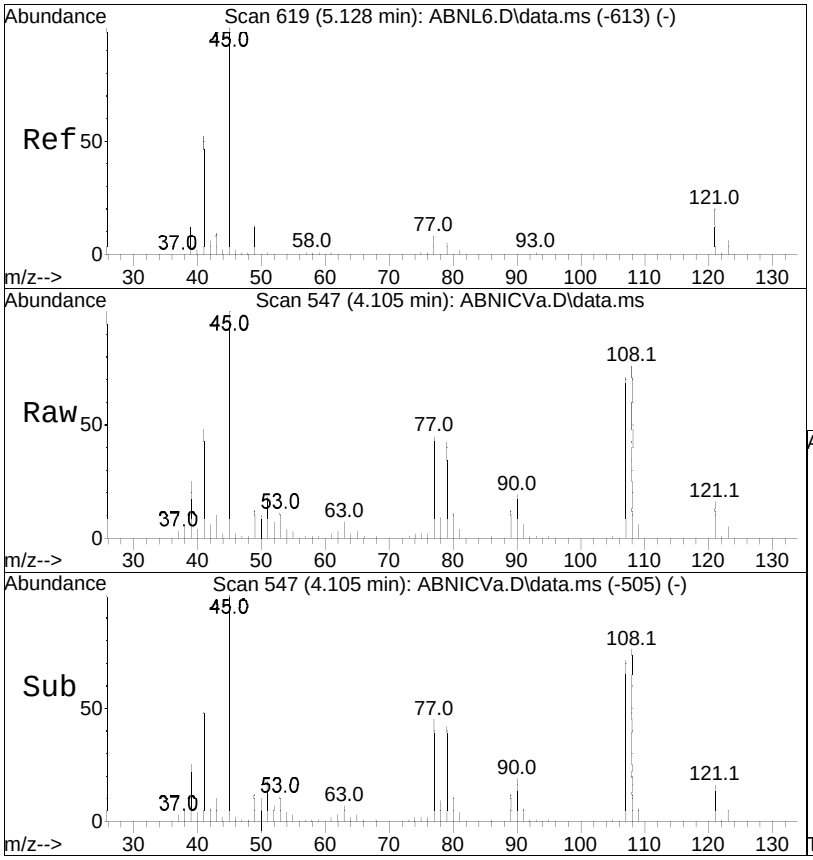


#13
Benzyl alcohol
Concen: 4.91 ug/ml
RT: 3.946 min Scan# 520
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion: 79 Resp: 24461

Ion	Ratio	Lower	Upper
79	100		
77	67.2	51.8	77.6
108	78.1	63.9	95.9

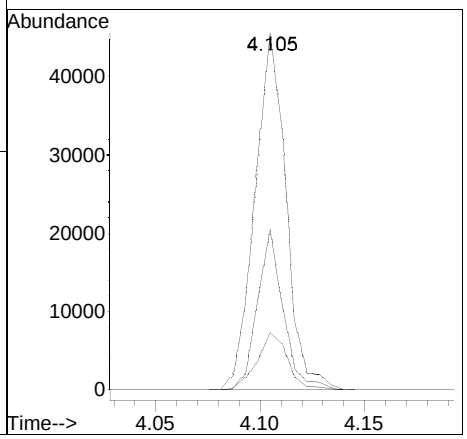


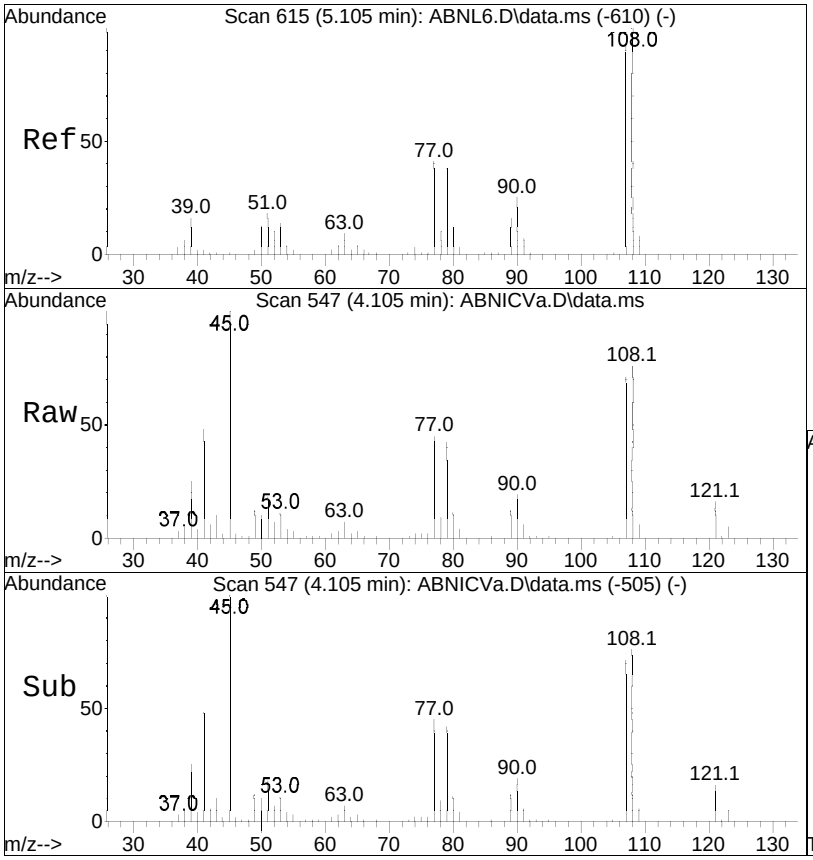


#14
Bis(2-chloroisopropyl)ether
Concen: 4.94 ug/ml
RT: 4.105 min Scan# 547
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion: 45 Resp: 47171

Ion	Ratio	Lower	Upper
45	100		
121	15.9	14.8	22.2
77	37.4	10.5	15.7#

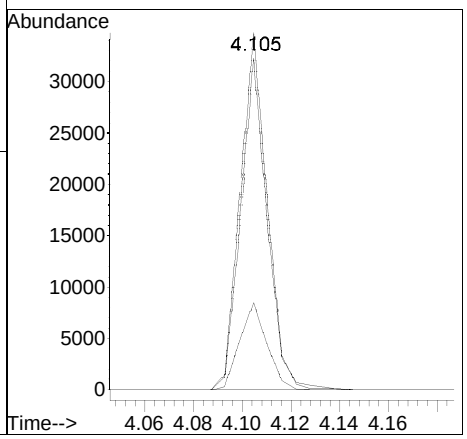


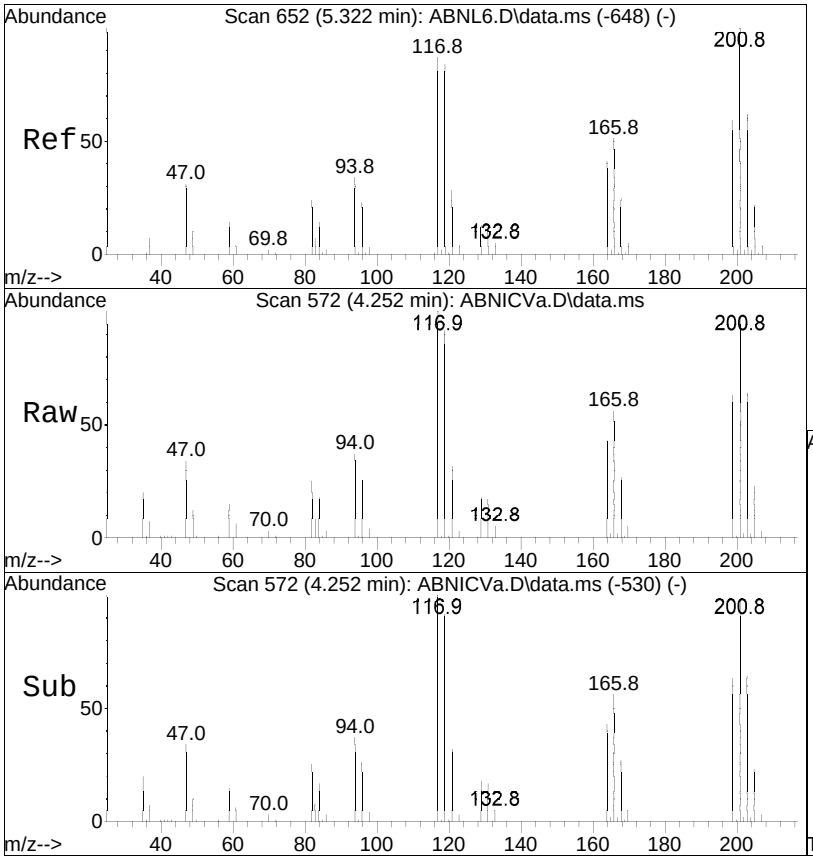


#15
2-Methylphenol
Concen: 5.19 ug/ml
RT: 4.105 min Scan# 547
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:108 Resp: 26623

Ion	Ratio	Lower	Upper
108	100		
107	91.1	71.0	106.4
90	24.7	19.7	29.5

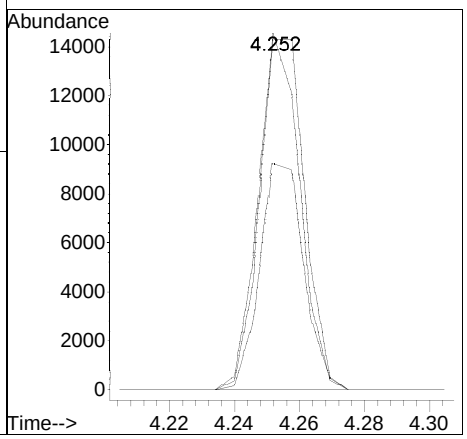


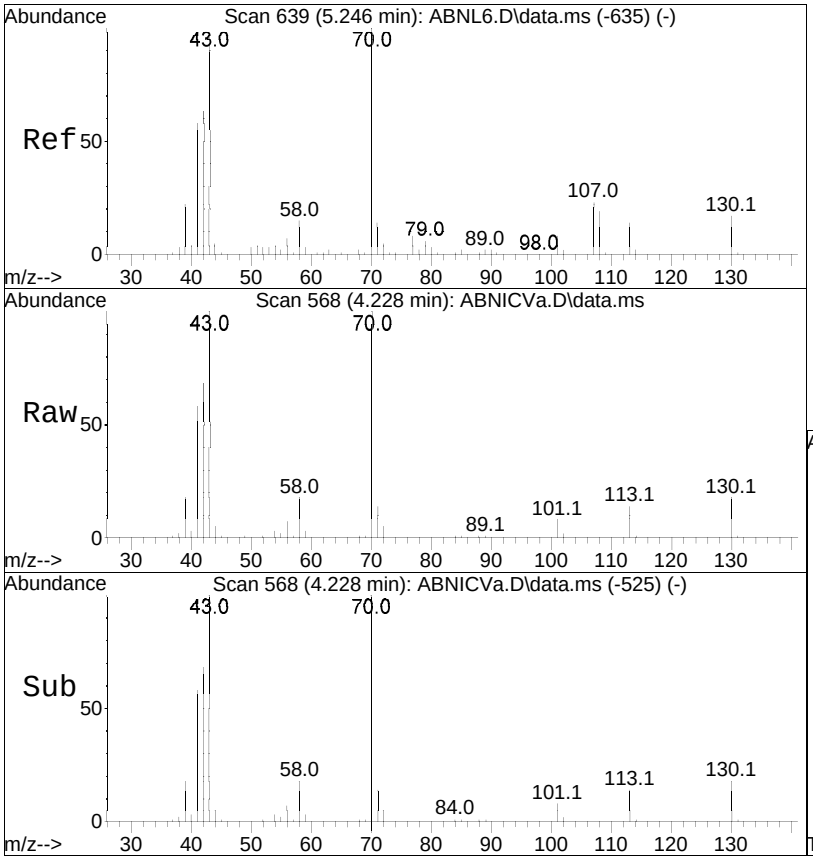


#16
Hexachloroethane
Concen: 4.85 ug/ml
RT: 4.252 min Scan# 572
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:117 Resp: 12843

Ion	Ratio	Lower	Upper
117	100		
201	106.9	64.4	96.6#
199	67.5	40.5	60.7#

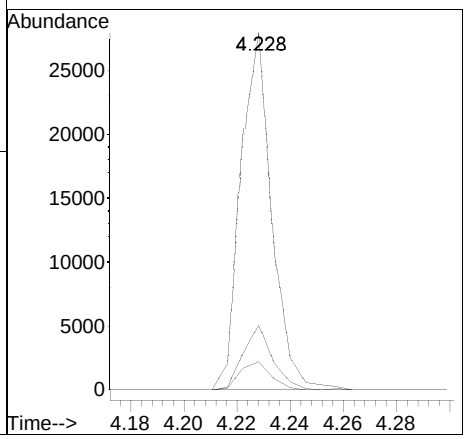


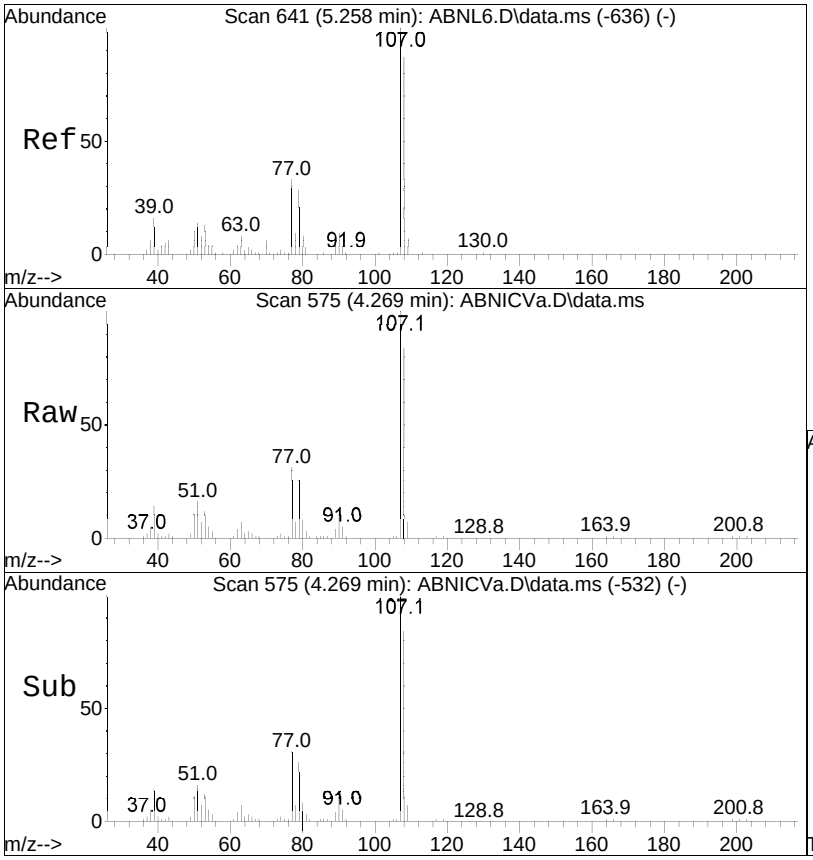


#17
n-Nitrosodi-n-propylamine
Concen: 4.93 ug/ml
RT: 4.228 min Scan# 568
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion: 70 Resp: 22624

Ion	Ratio	Lower	Upper
70	100		
130	17.4	16.2	24.4
101	7.9	7.6	11.4

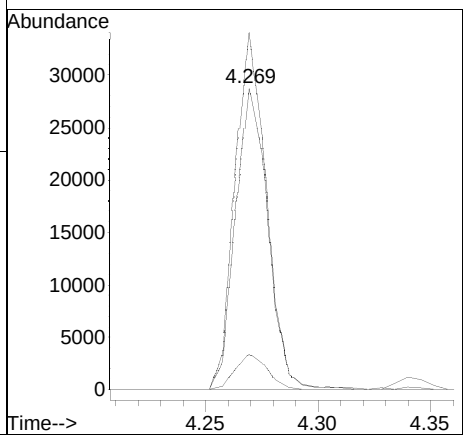


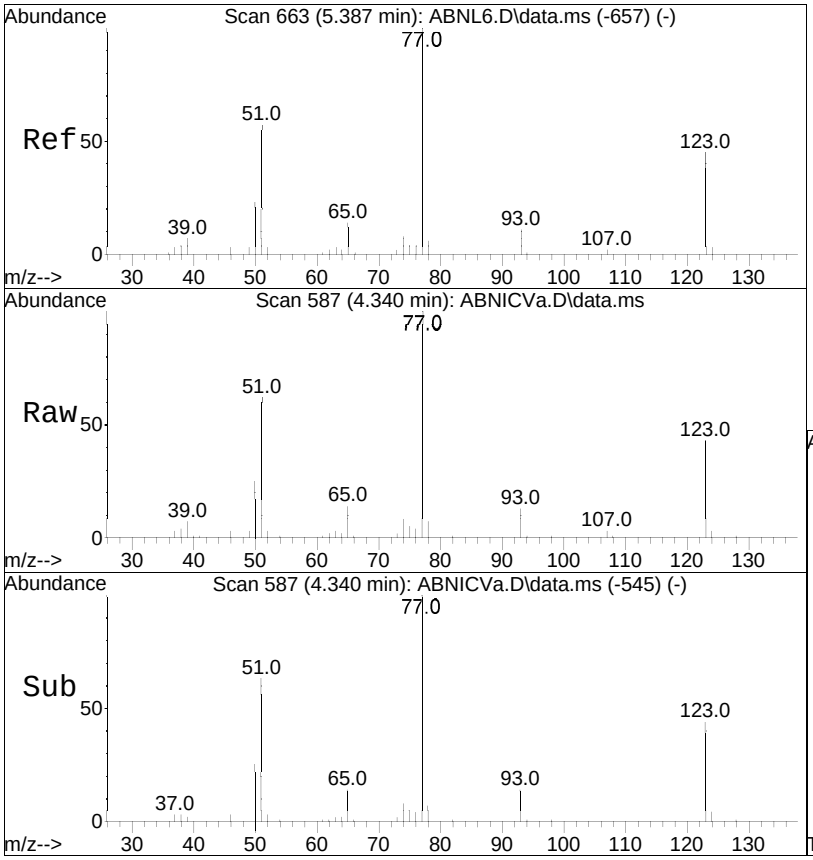


#18
3-Methylphenol/4-Methylphenol
Concen: 5.08 ug/ml
RT: 4.269 min Scan# 575
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:108 Resp: 28667

Ion	Ratio	Lower	Upper
108	100		
107	115.4	88.8	133.2
90	11.6	9.0	13.6

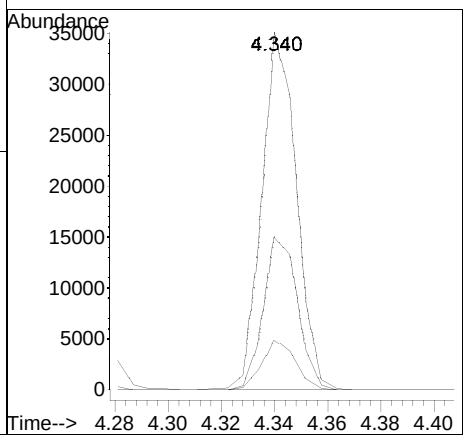


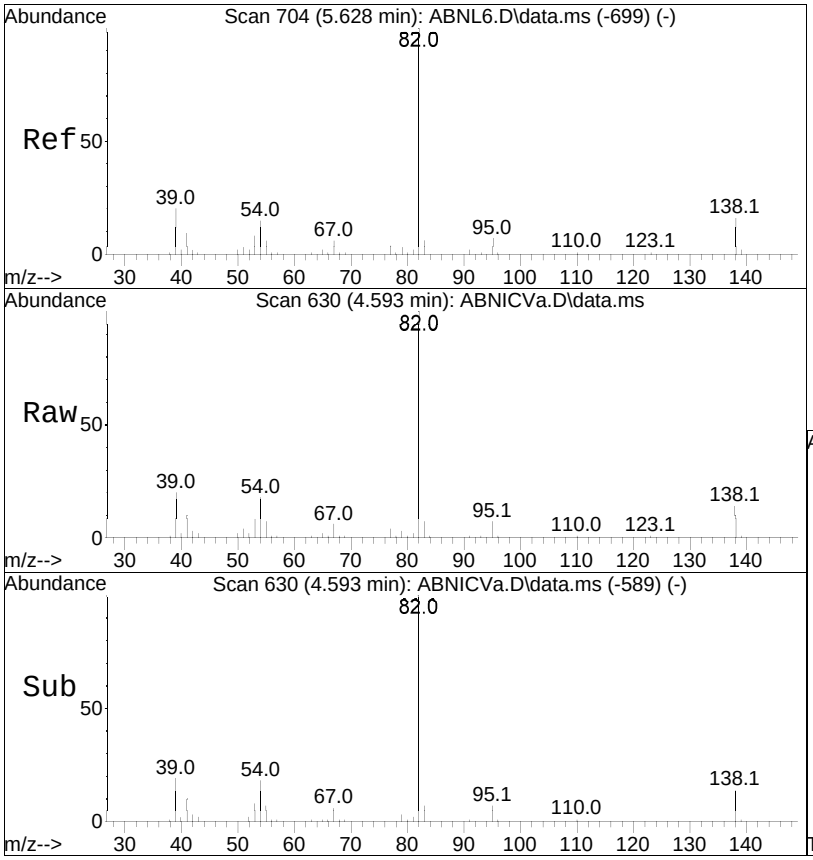


#20
Nitrobenzene
Concen: 5.03 ug/ml
RT: 4.340 min Scan# 587
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion: 77 Resp: 31417

Ion	Ratio	Lower	Upper
77	100		
123	42.5	37.3	55.9
65	13.7	10.9	16.3

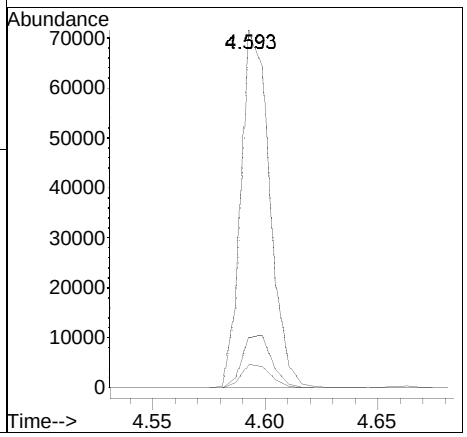


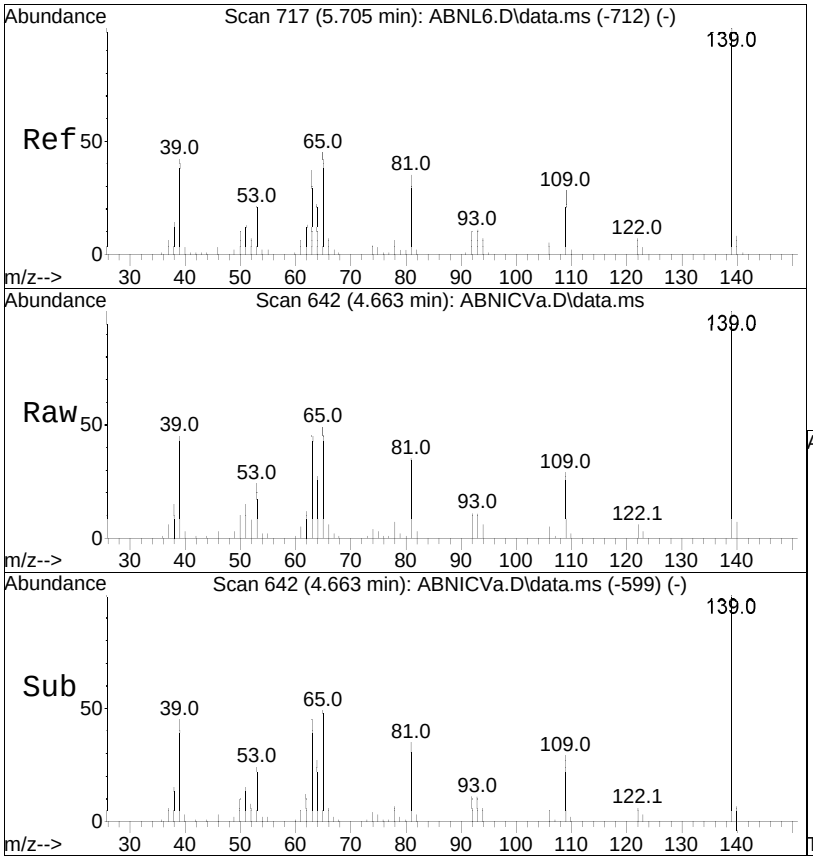


#21
Isophorone
Concen: 4.99 ug/ml
RT: 4.593 min Scan# 630
Delta R.T. -0.006 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion: 82 Resp: 63215

Ion	Ratio	Lower	Upper
82	100		
138	15.1	13.0	19.4
95	6.8	5.5	8.3

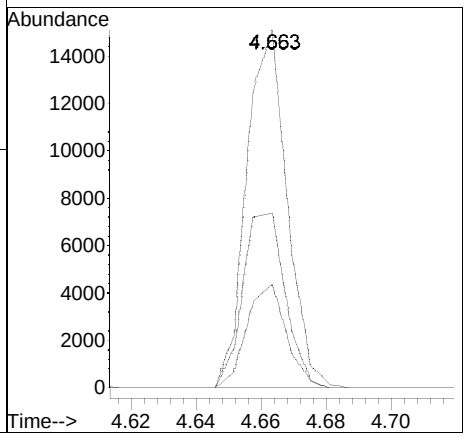


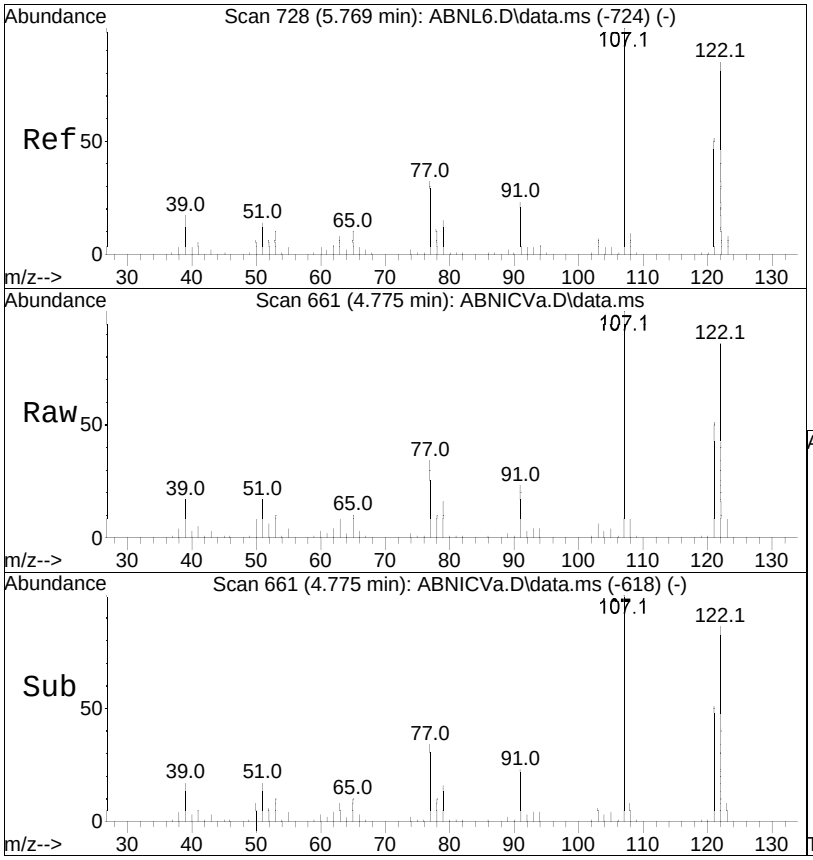


#22
2-Nitrophenol
Concen: 3.89 ug/ml
RT: 4.663 min Scan# 642
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:139 Resp: 12969

Ion	Ratio	Lower	Upper
139	100		
109	28.5	23.1	34.7
65	51.4	41.4	62.2

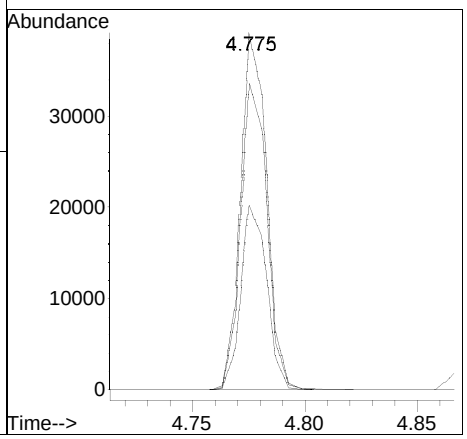


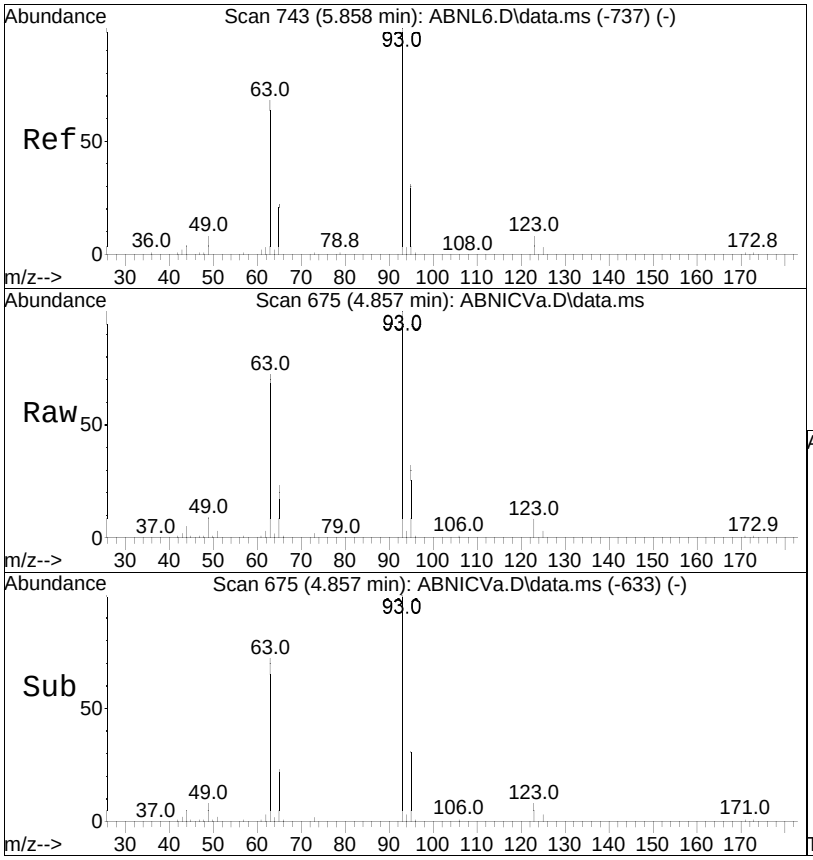


#23
2,4-Dimethylphenol
Concen: 4.69 ug/ml
RT: 4.775 min Scan# 661
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:107 Resp: 31435

Ion	Ratio	Lower	Upper
107	100		
121	51.5	41.3	61.9
122	86.0	69.3	103.9

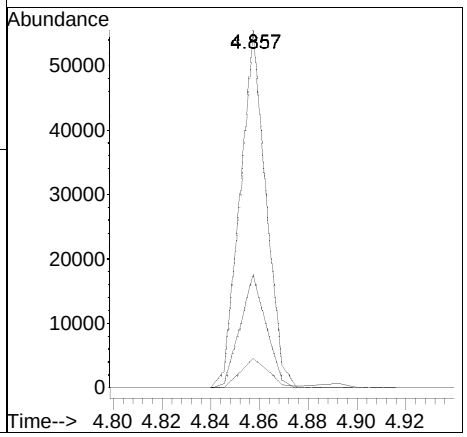


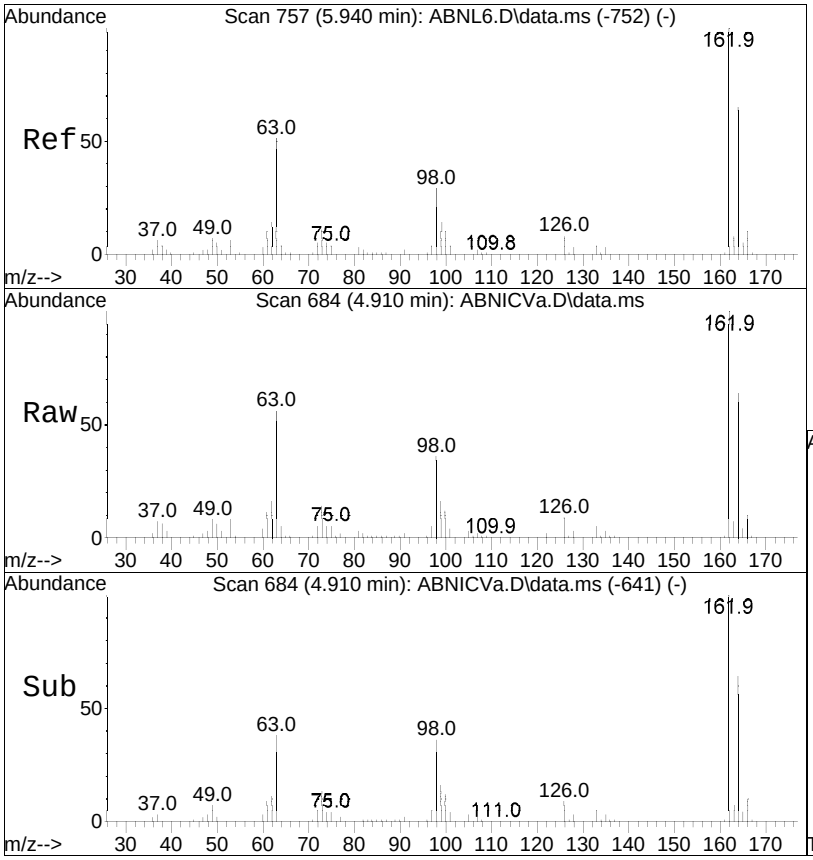


#24
Bis(2-chloroethoxy)methane
Concen: 5.05 ug/ml
RT: 4.857 min Scan# 675
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion: 93 Resp: 40520

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.8	38.8
123	9.2	9.6	14.4#

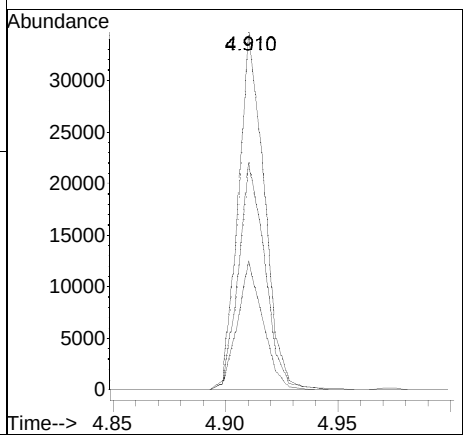


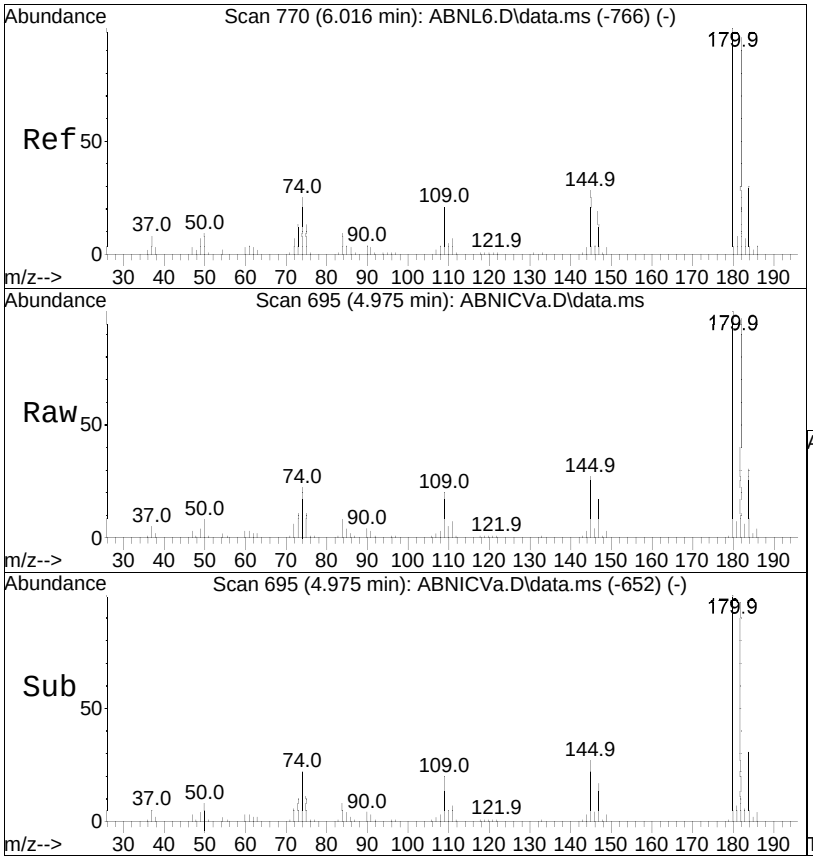


#25
2,4-Dichlorophenol
Concen: 4.65 ug/ml
RT: 4.910 min Scan# 684
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:162 Resp: 27593

Ion	Ratio	Lower	Upper
162	100		
164	64.7	51.1	76.7
98	35.5	32.2	48.2

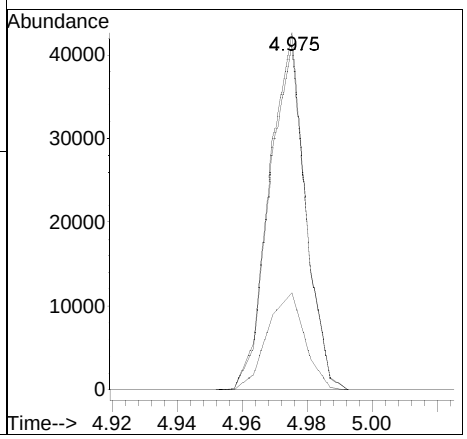


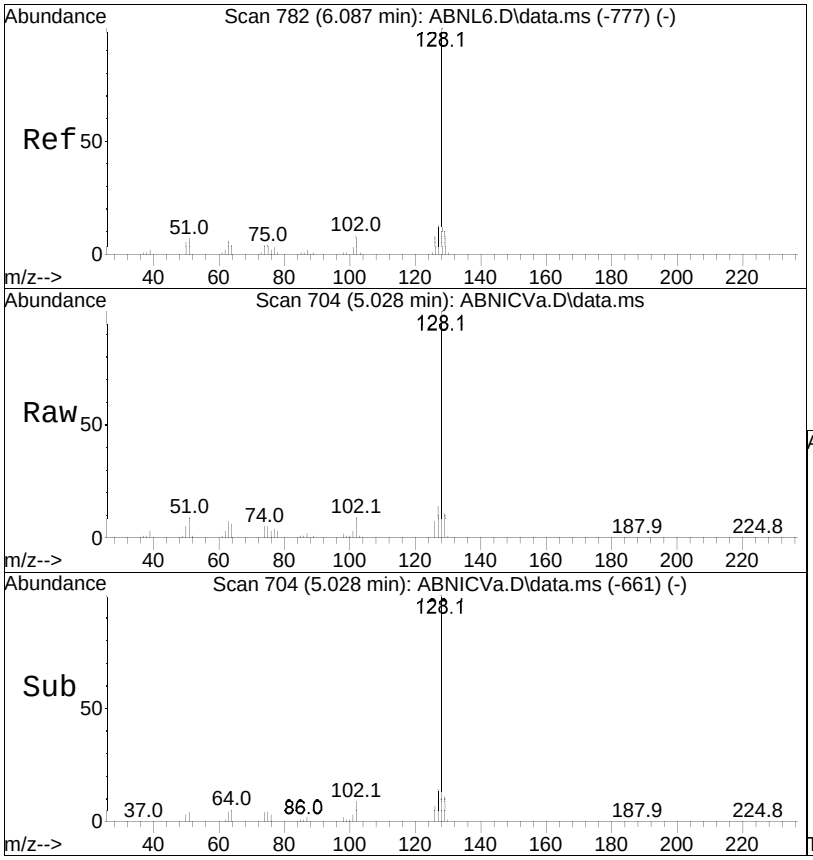


#26
1,2,4-Trichlorobenzene
Concen: 4.81 ug/ml
RT: 4.975 min Scan# 695
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:180 Resp: 32858

Ion	Ratio	Lower	Upper
180	100		
182	96.9	75.8	113.8
145	28.3	26.3	39.5

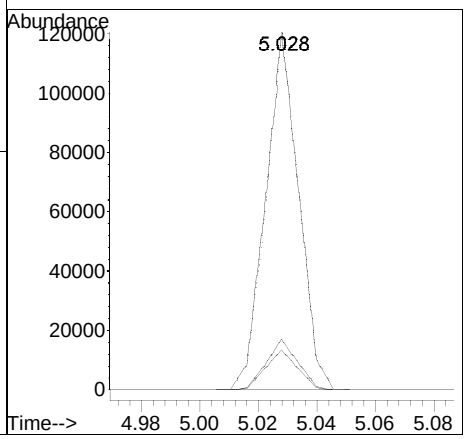


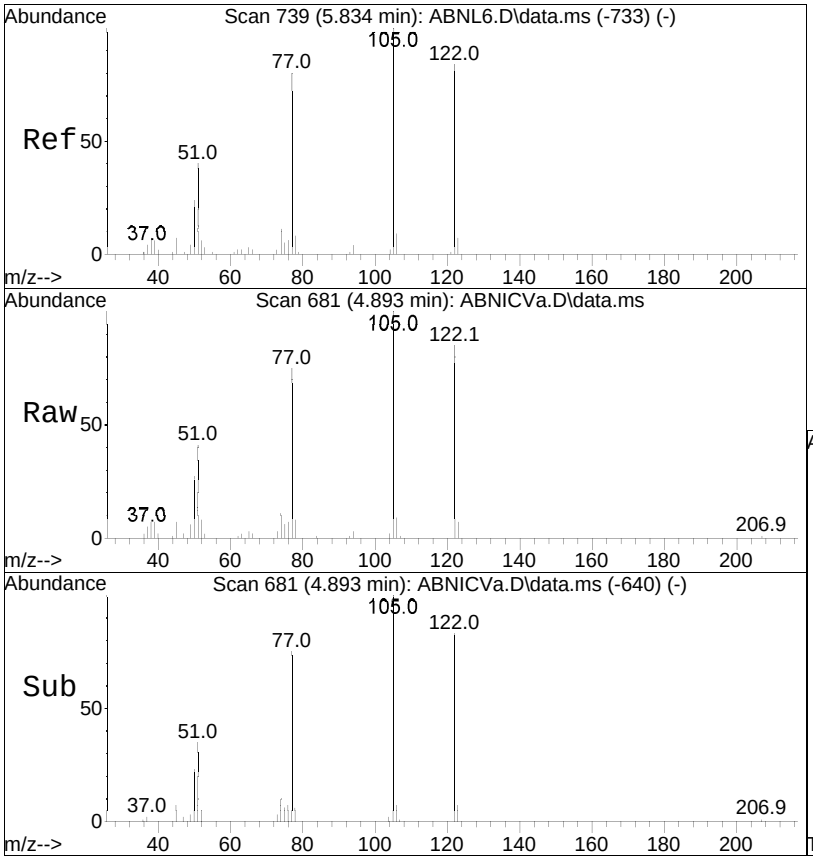


#36
Naphthalene
Concen: 4.77 ug/ml
RT: 5.028 min Scan# 704
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:128 Resp: 93195

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.7	10.6	15.8

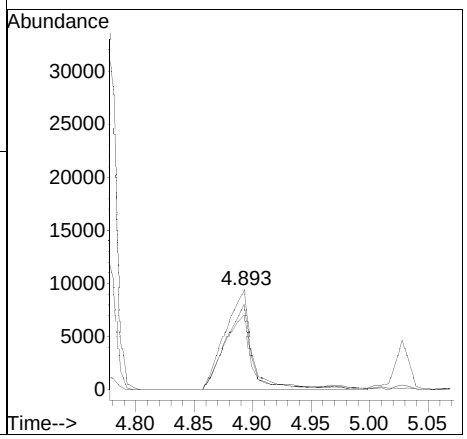


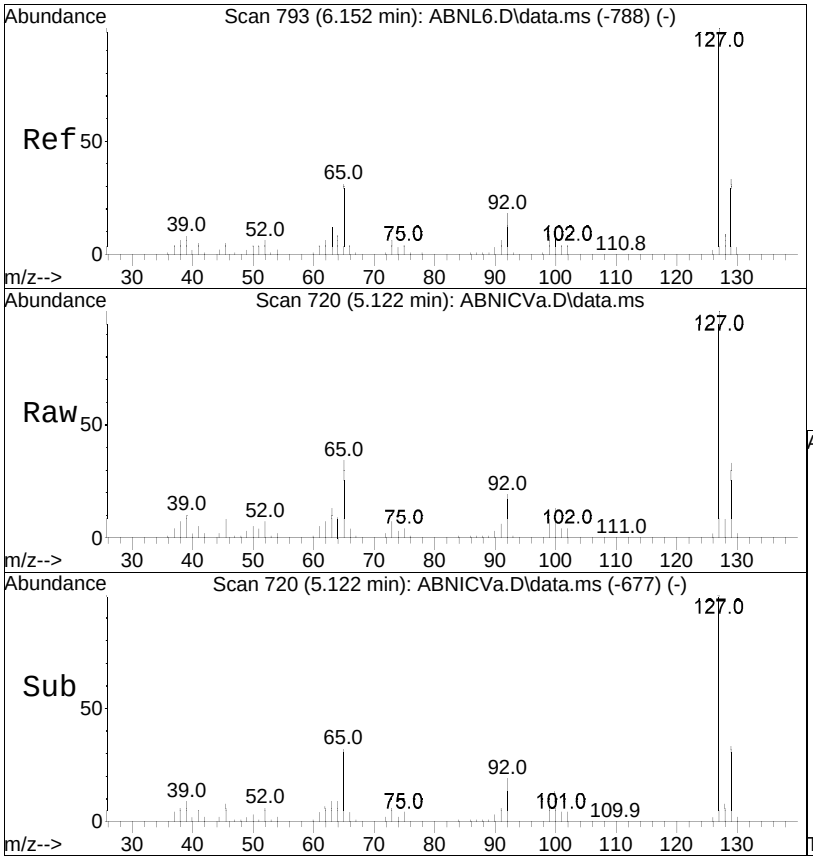


#37
Benzoic Acid
Concen: 4.08 ug/ml
RT: 4.893 min Scan# 681
Delta R.T. -0.006 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:105 Resp: 15810

Ion	Ratio	Lower	Upper
105	100		
122	79.2	62.6	93.8
77	74.4	59.1	88.7

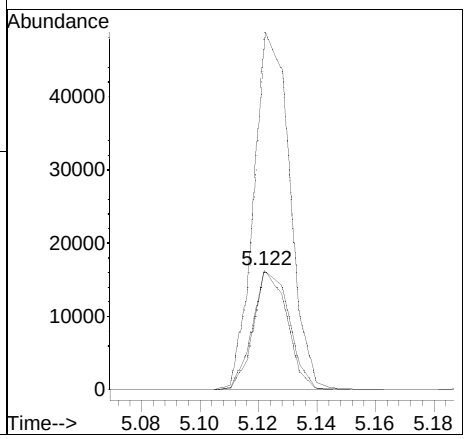


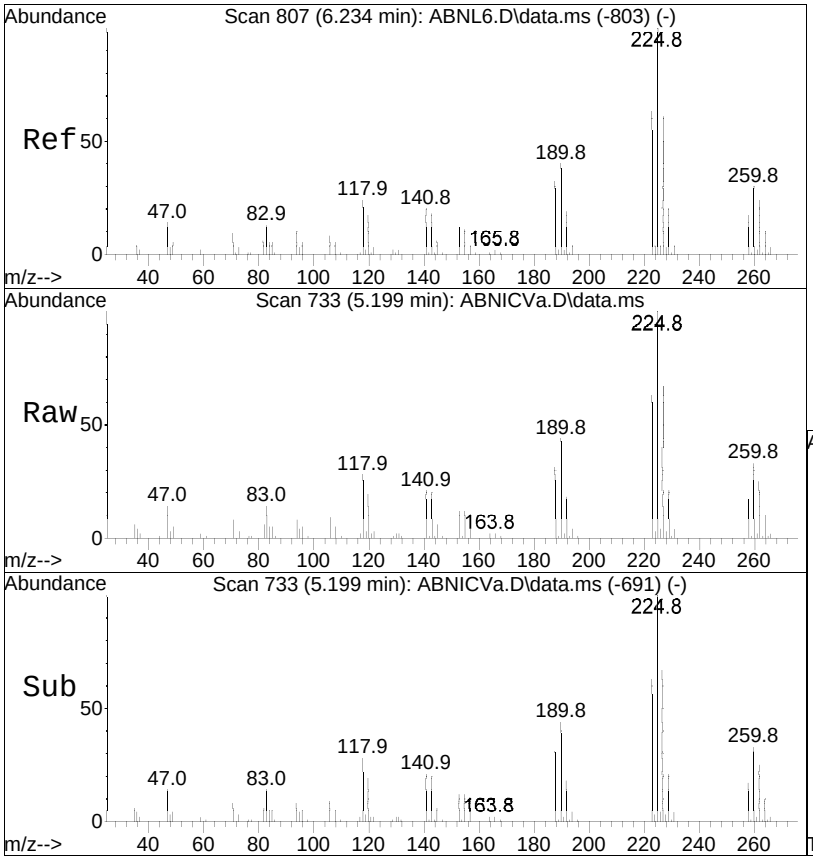


#38
4-Chloroaniline
Concen: 5.04 ug/ml
RT: 5.122 min Scan# 720
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion: 65 Resp: 13330

Ion	Ratio	Lower	Upper
65	100		
127	312.3	266.2	399.4
129	102.5	85.0	127.4

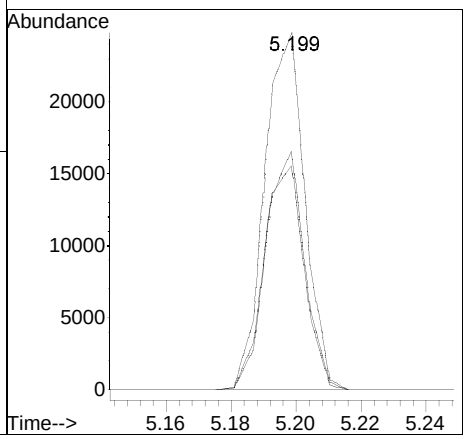


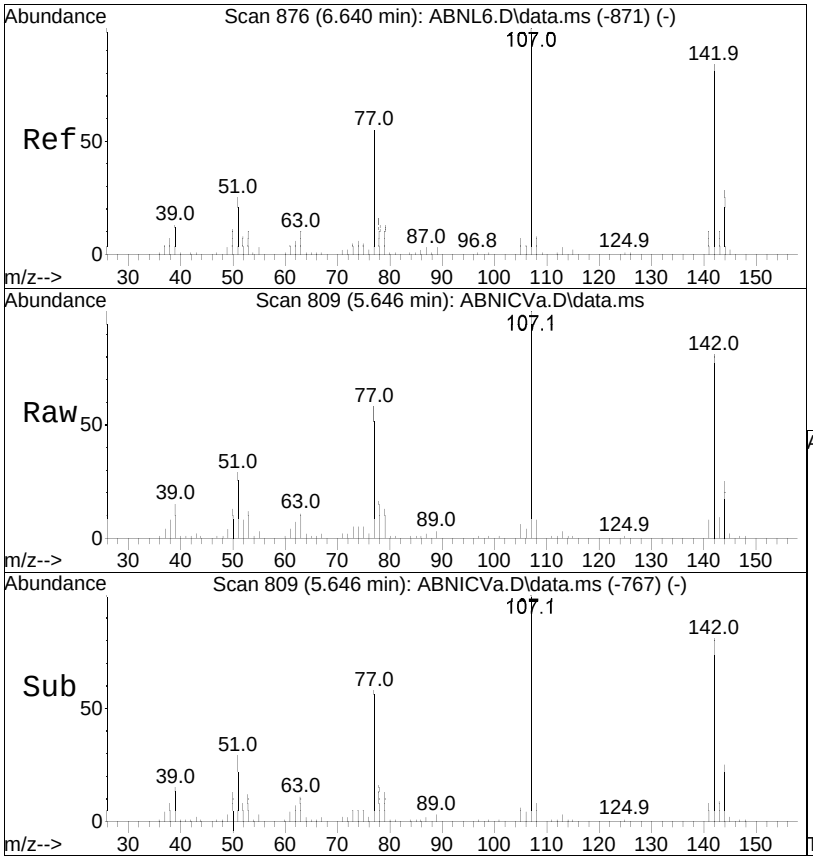


#39
Hexachlorobutadiene
Concen: 4.57 ug/ml
RT: 5.199 min Scan# 733
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:225 Resp: 21224

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.5	75.7
227	64.6	50.4	75.6

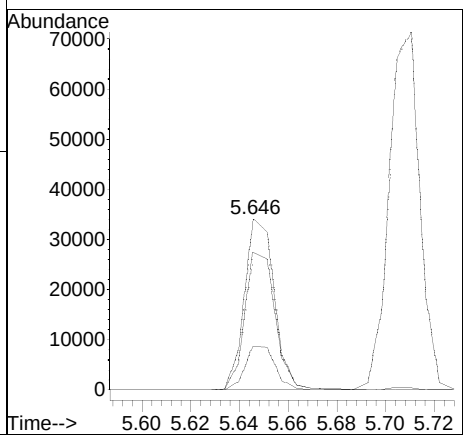


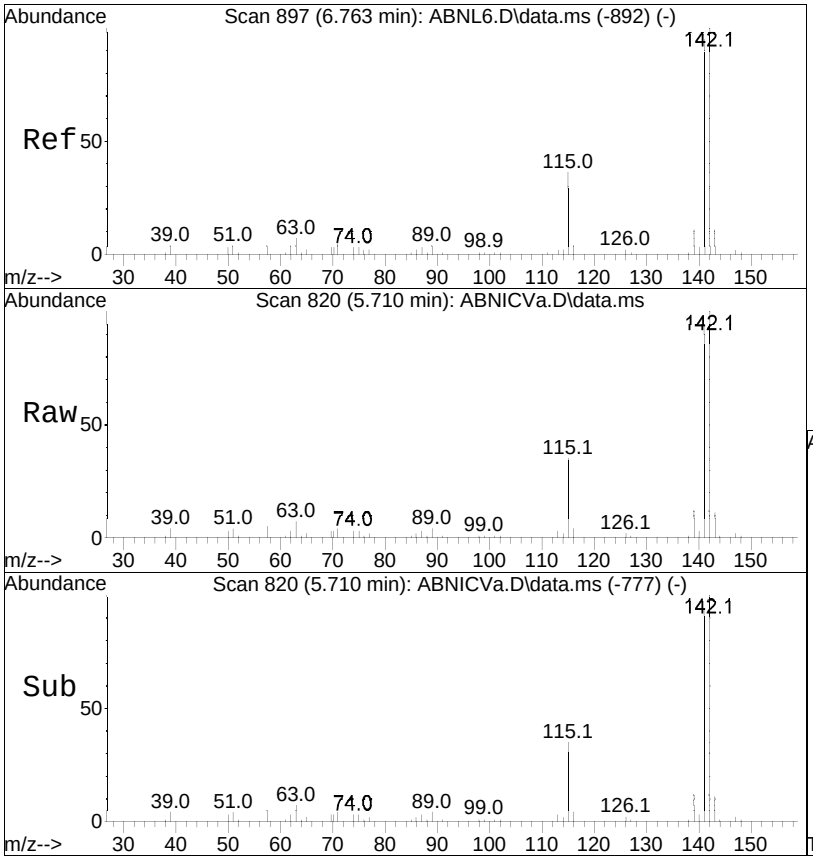


#40
p-Chloro-m-cresol
Concen: 4.82 ug/ml
RT: 5.646 min Scan# 809
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:107 Resp: 29121

Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.3	30.5
142	81.6	63.8	95.6

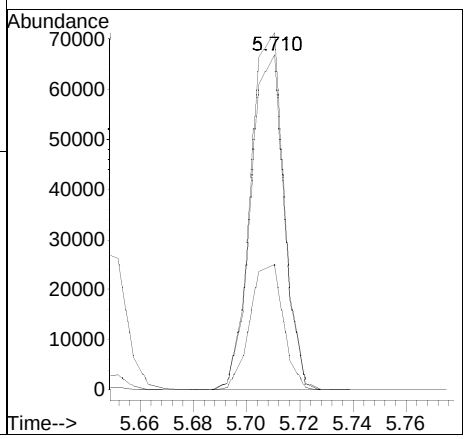


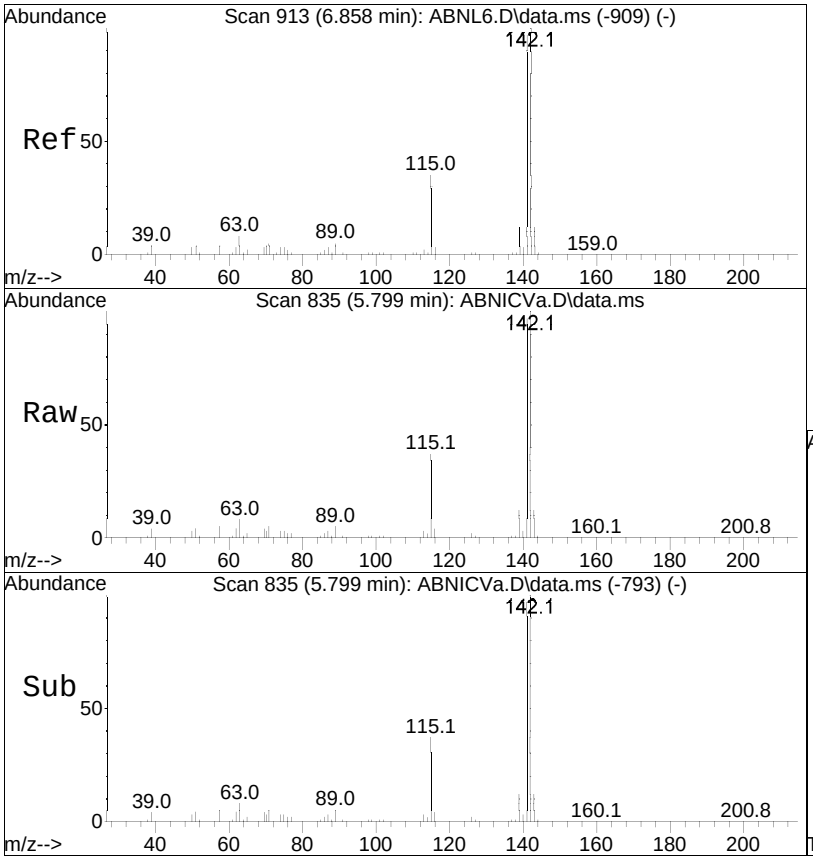


#41
2-Methylnaphthalene
Concen: 5.03 ug/ml
RT: 5.710 min Scan# 820
Delta R.T. 0.005 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:142 Resp: 62250

Ion	Ratio	Lower	Upper
142	100		
141	92.9	72.2	108.4
115	35.1	27.8	41.6

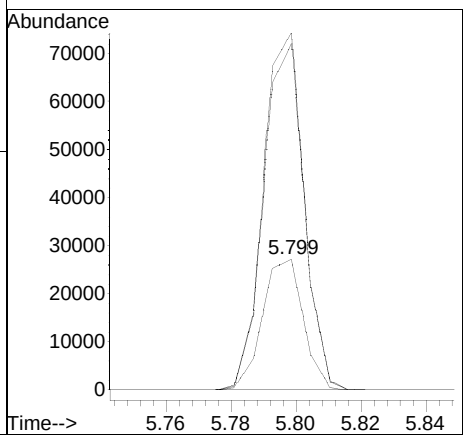


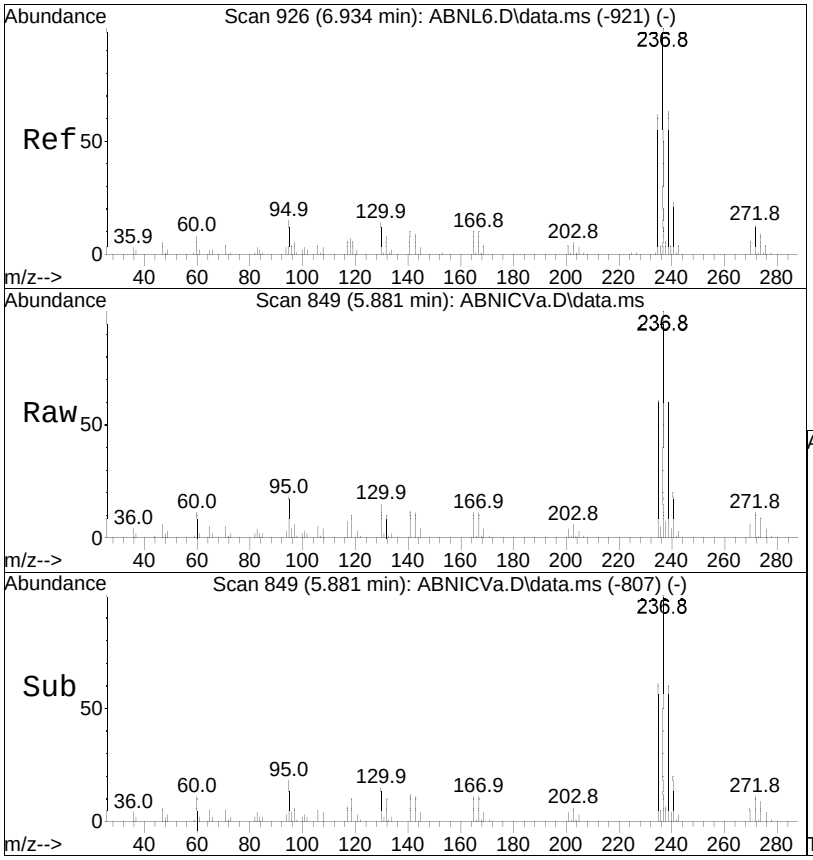


#42
1-Methylnaphthalene
Concen: 4.80 ug/ml
RT: 5.799 min Scan# 835
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:115 Resp: 23773

Ion	Ratio	Lower	Upper
115	100		
141	261.2	205.4	308.2
142	271.4	220.2	330.4

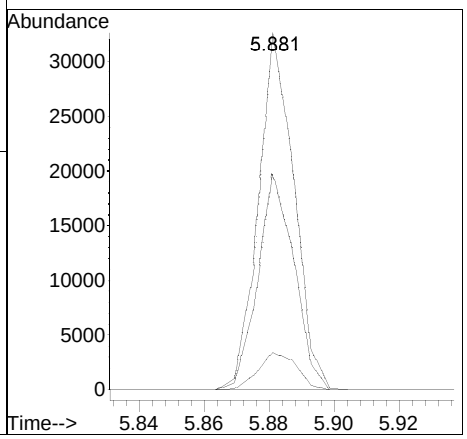


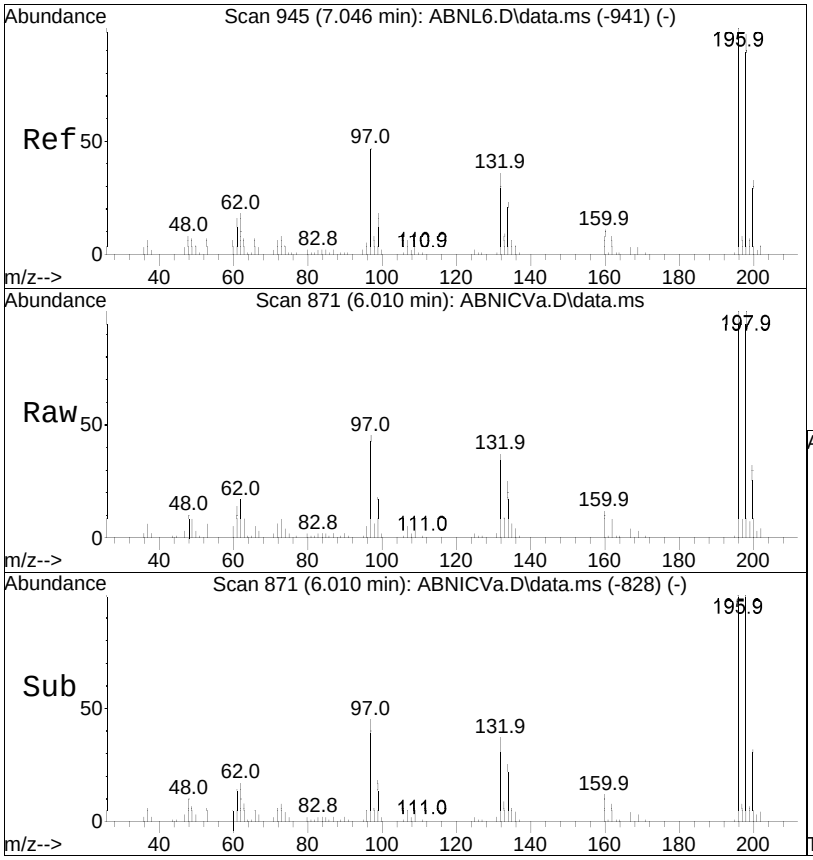


#43
Hexachlorocyclopentadiene
Concen: 4.08 ug/ml
RT: 5.881 min Scan# 849
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:237 Resp: 24637

Ion	Ratio	Lower	Upper
237	100		
235	61.9	50.9	76.3
272	11.6	10.1	15.1

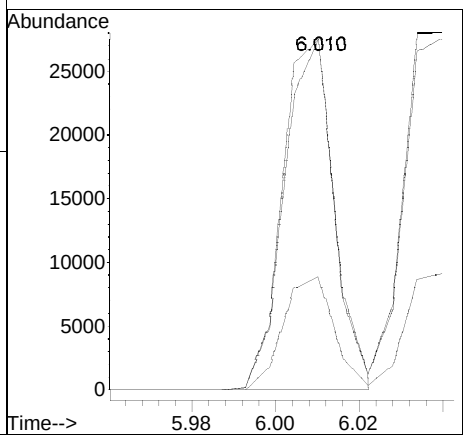


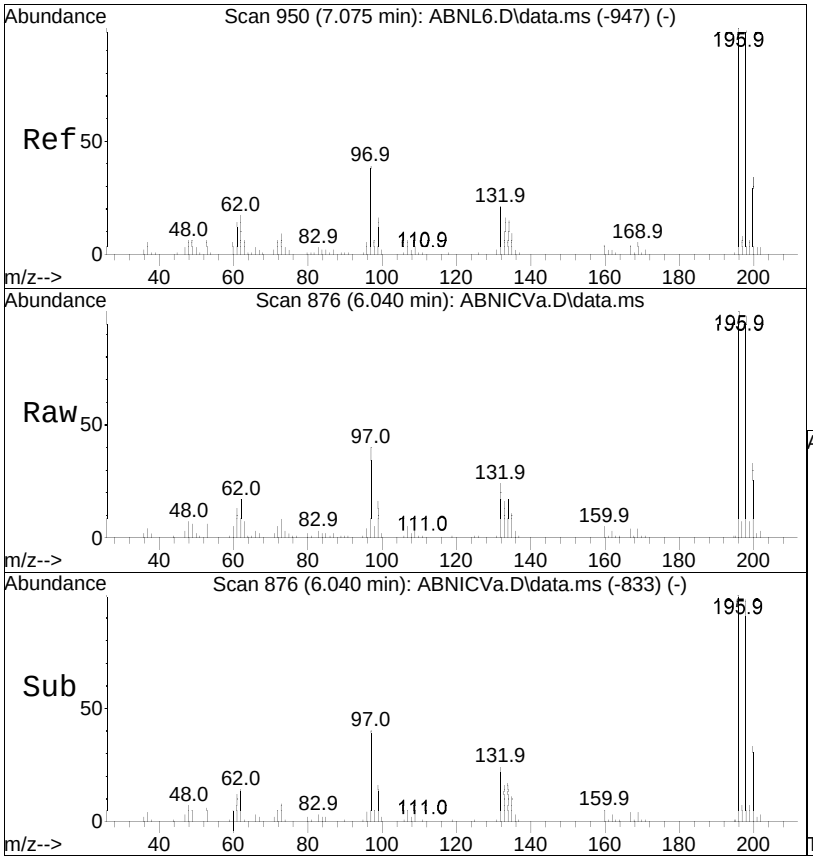


#44
2,4,6-Trichlorophenol
Concen: 4.08 ug/ml
RT: 6.010 min Scan# 871
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:196 Resp: 23463

Ion	Ratio	Lower	Upper
196	100		
198	96.9	76.4	114.6
200	32.1	24.4	36.6

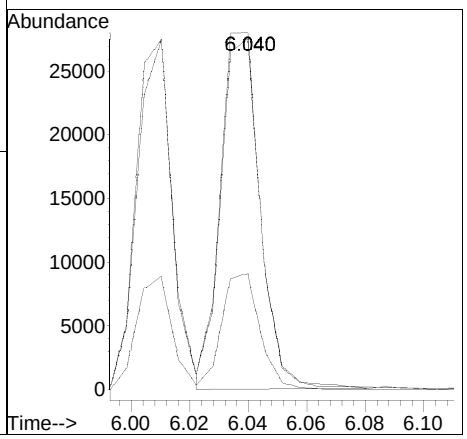


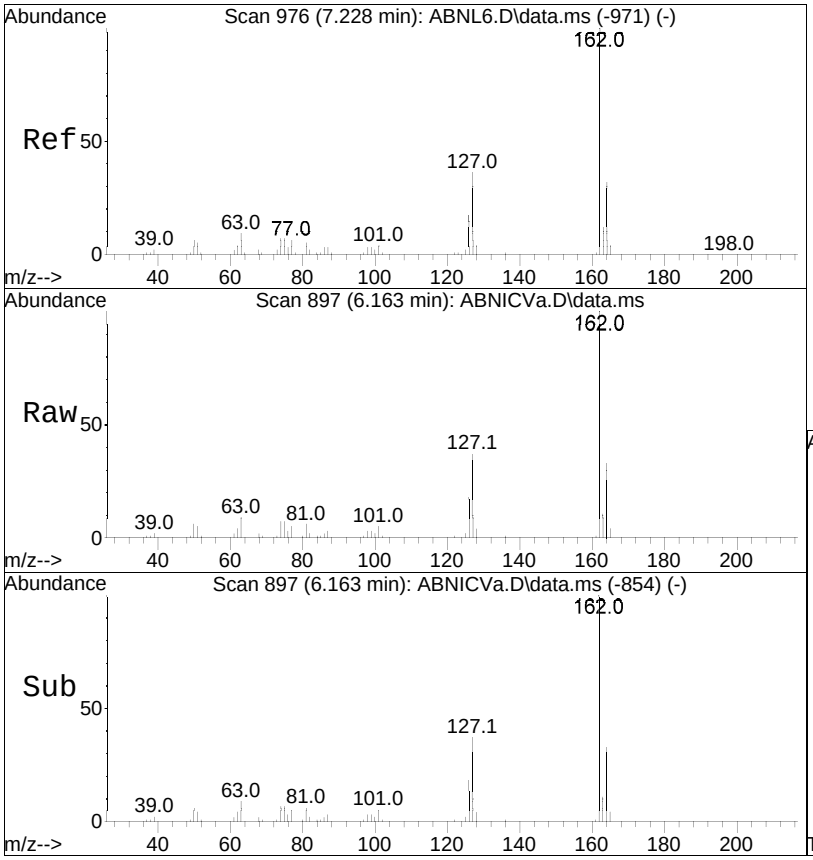


#45
2,4,5-Trichlorophenol
Concen: 4.36 ug/ml
RT: 6.040 min Scan# 876
Delta R.T. 0.006 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:196 Resp: 26328

Ion	Ratio	Lower	Upper
196	100		
200	31.6	24.2	36.4
198	98.7	76.2	114.2

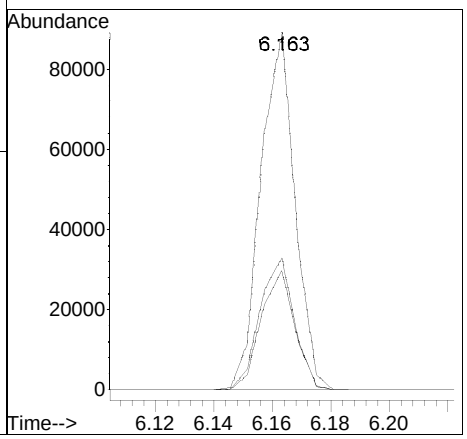


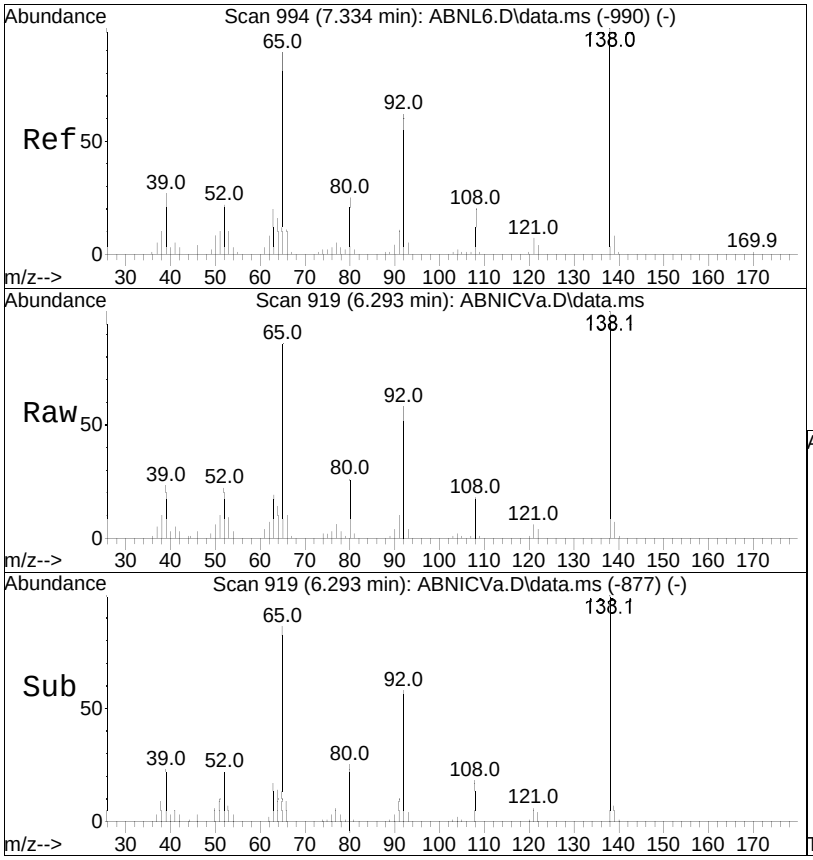


#47
2-Chloronaphthalene
Concen: 4.97 ug/ml
RT: 6.163 min Scan# 897
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:162 Resp: 71680

Ion	Ratio	Lower	Upper
162	100		
127	37.4	33.8	50.6
164	33.3	25.8	38.6

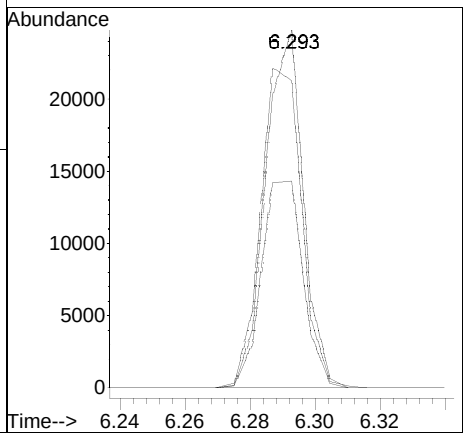


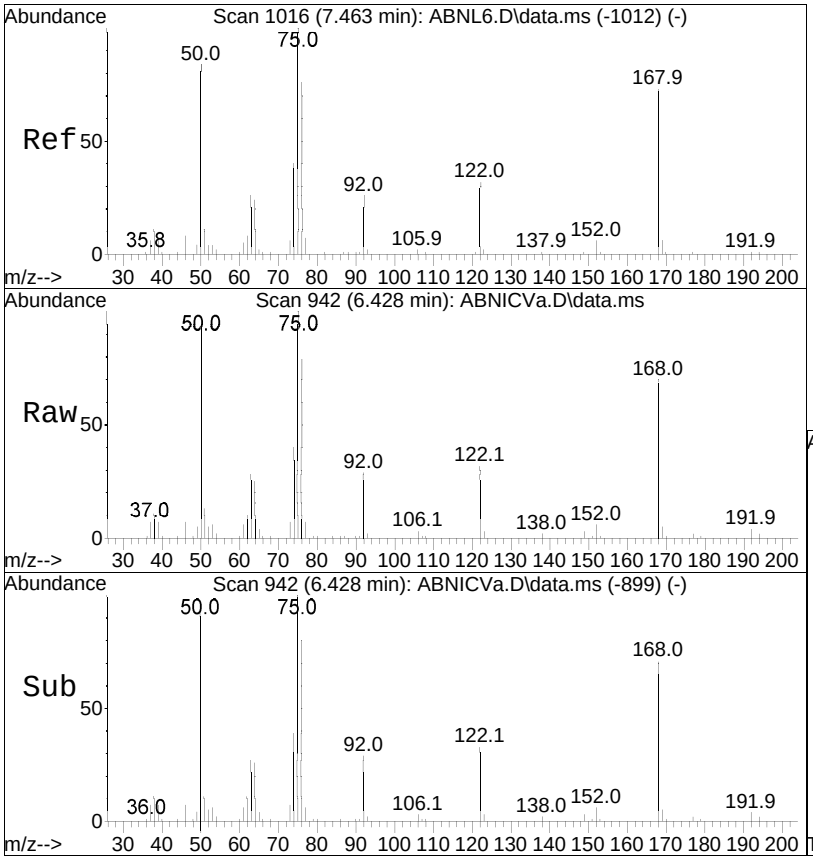


#48
2-Nitroaniline
Concen: 4.19 ug/ml
RT: 6.293 min Scan# 919
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:138 Resp: 19803

Ion	Ratio	Lower	Upper
138	100		
92	63.9	52.1	78.1
65	97.2	75.9	113.9

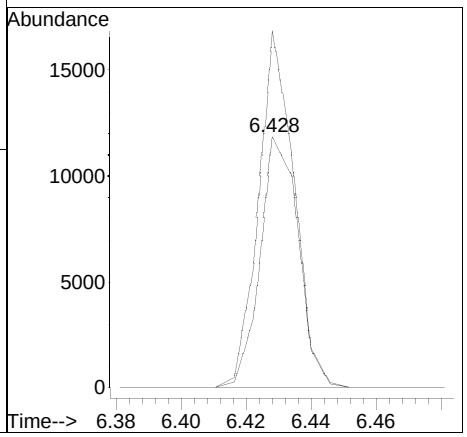


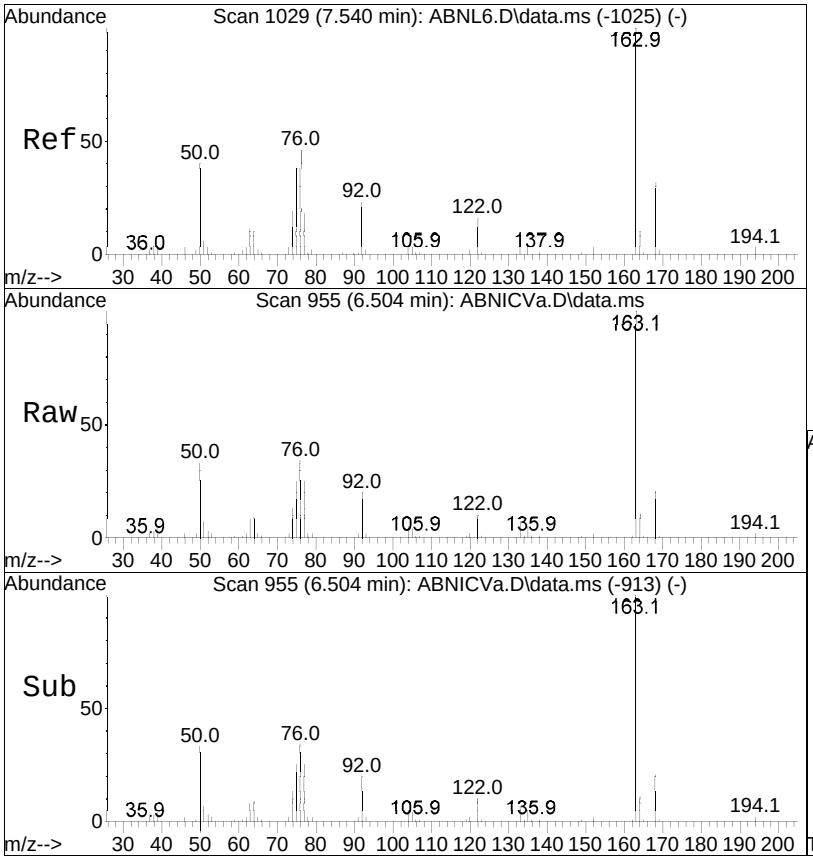


#49
1,4-Dinitrobenzene
Concen: 4.11 ug/ml
RT: 6.428 min Scan# 942
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:168 Resp: 9662

Ion	Ratio	Lower	Upper
168	100		
75	132.6	111.0	166.4

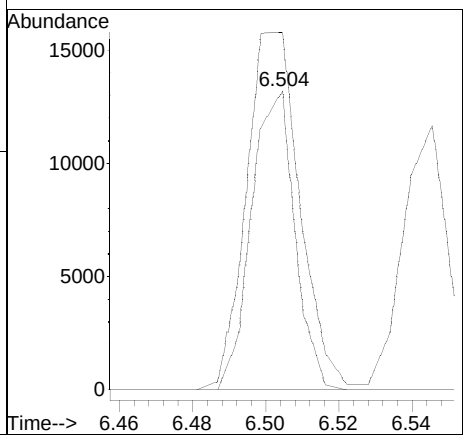


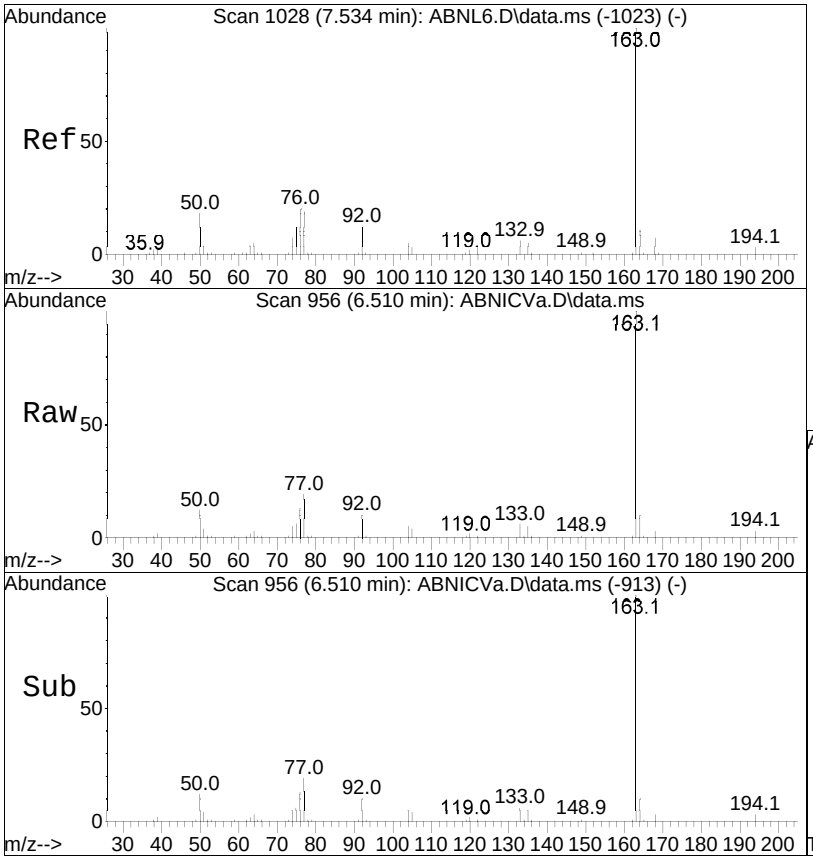


#50
1,3-Dinitrobenzene
Concen: 4.07 ug/ml
RT: 6.504 min Scan# 955
Delta R.T. -0.001 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:168 Resp: 10857

Ion	Ratio	Lower	Upper
168	100		
75	148.6	116.4	174.6

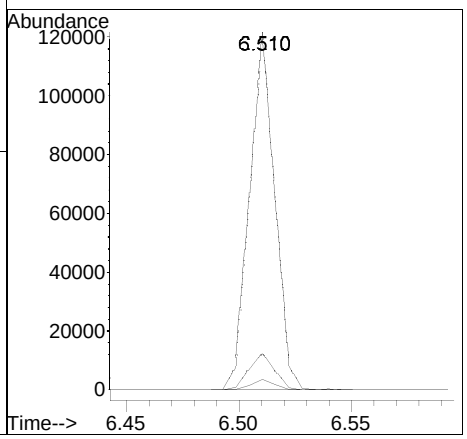


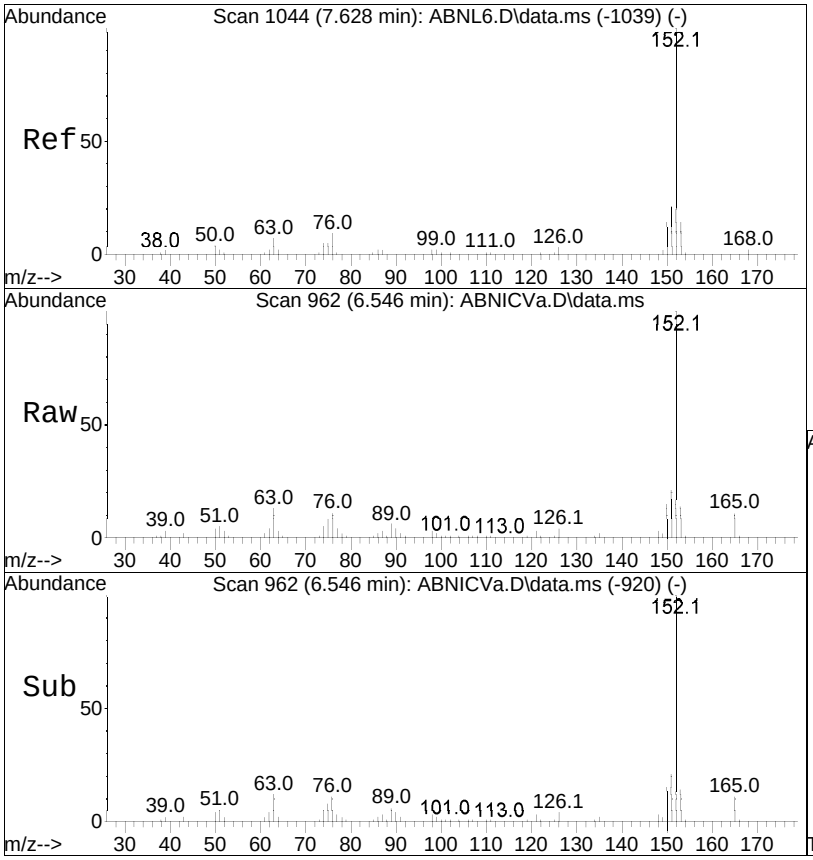


#51
Dimethyl phthalate
Concen: 5.11 ug/ml
RT: 6.510 min Scan# 956
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:163 Resp: 93469

Ion	Ratio	Lower	Upper
163	100		
194	2.7	2.3	3.5
164	10.5	8.2	12.2

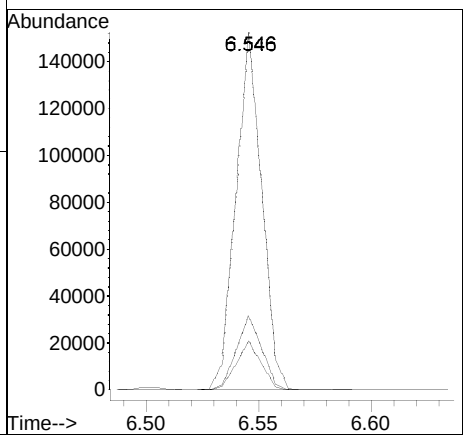


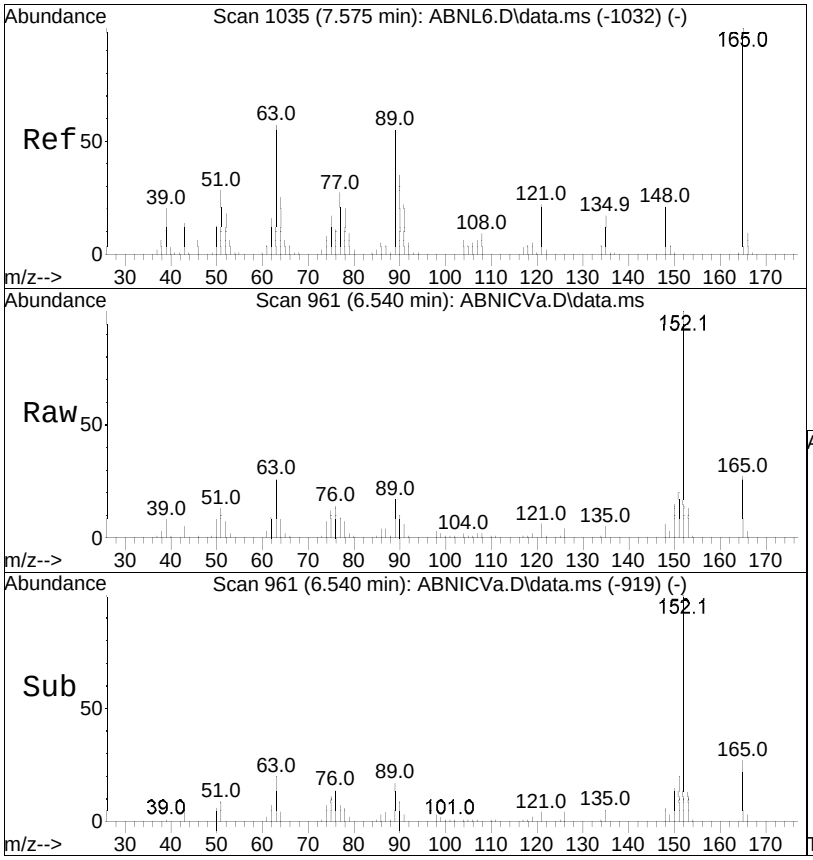


#52
Acenaphthylene
Concen: 5.12 ug/ml
RT: 6.546 min Scan# 962
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:152 Resp: 120672

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.9	23.9
153	13.3	10.5	15.7

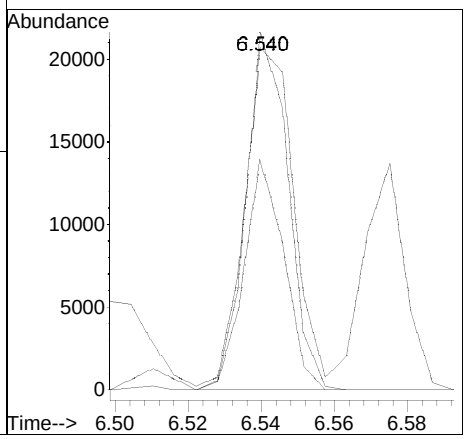


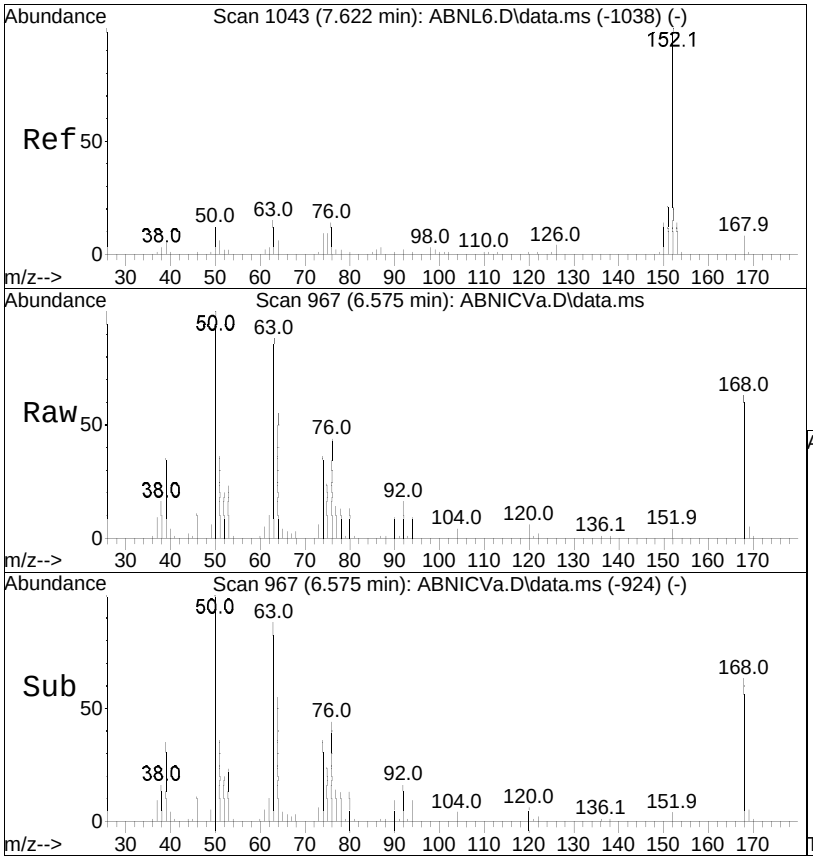


#53
2,6-Dinitrotoluene
Concen: 4.19 ug/ml
RT: 6.540 min Scan# 961
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:165 Resp: 17334

Ion	Ratio	Lower	Upper
165	100		
89	61.0	48.8	73.2
63	110.6	50.5	75.7#

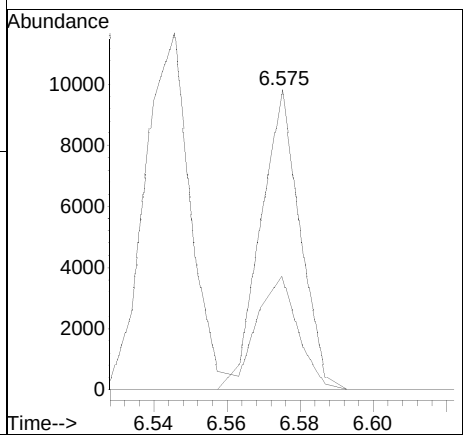


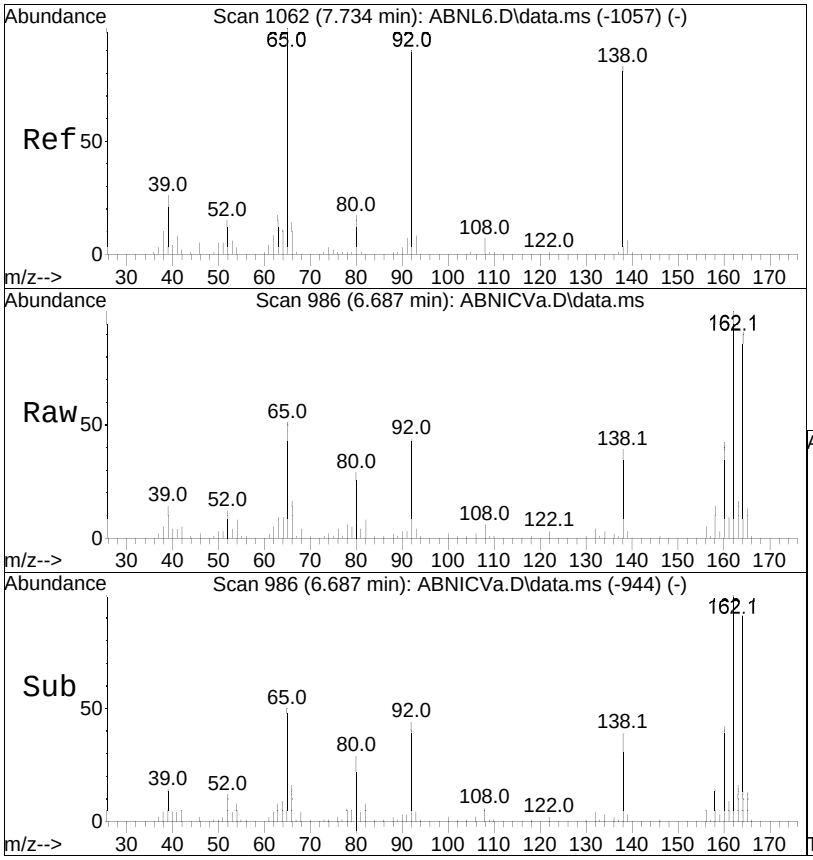


#54
1,2-Dinitrobenzene
Concen: 4.27 ug/ml
RT: 6.575 min Scan# 967
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:168 Resp: 7351

Ion	Ratio	Lower	Upper
168	100		
75	131.7	32.2	48.2#

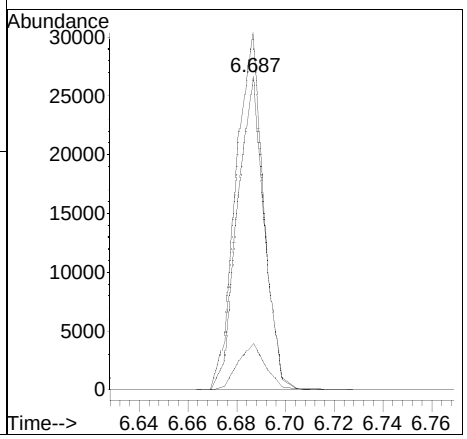


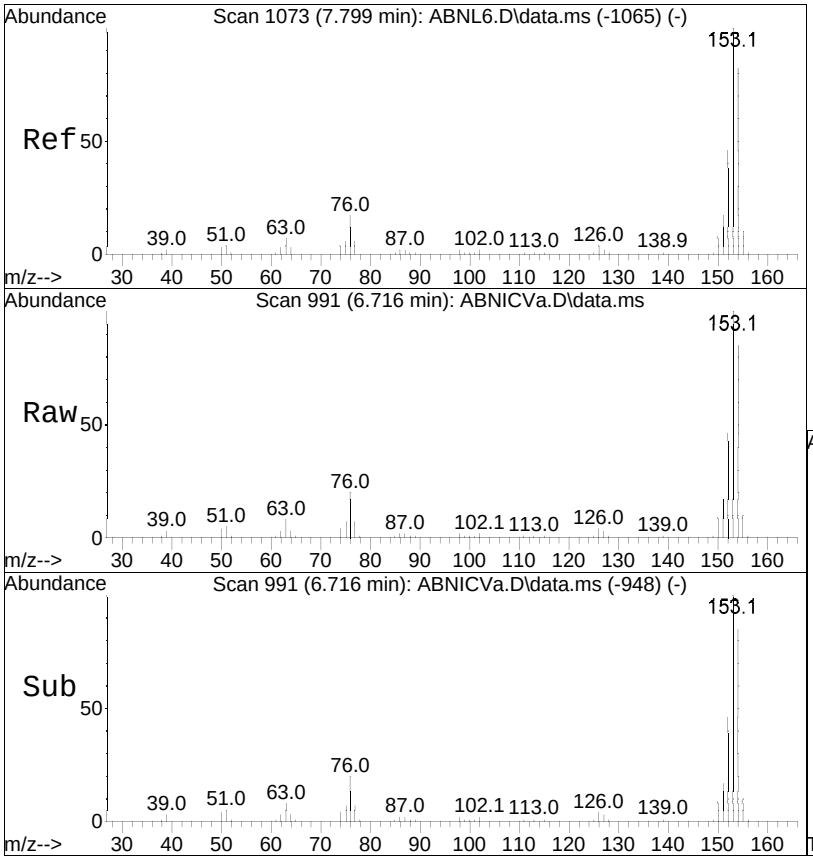


#64
3-Nitroaniline
Concen: 4.49 ug/ml
RT: 6.687 min Scan# 986
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:138 Resp: 20338

Ion	Ratio	Lower	Upper
138	100		
92	116.5	92.8	139.2
108	15.7	7.9	11.9#

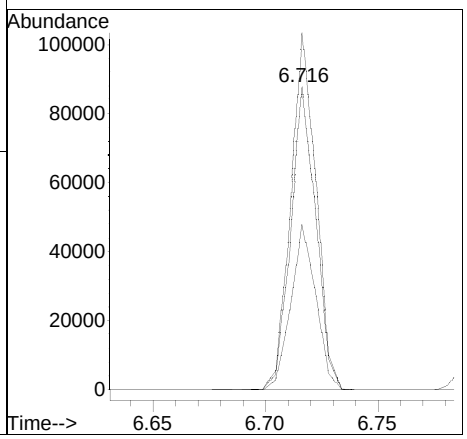


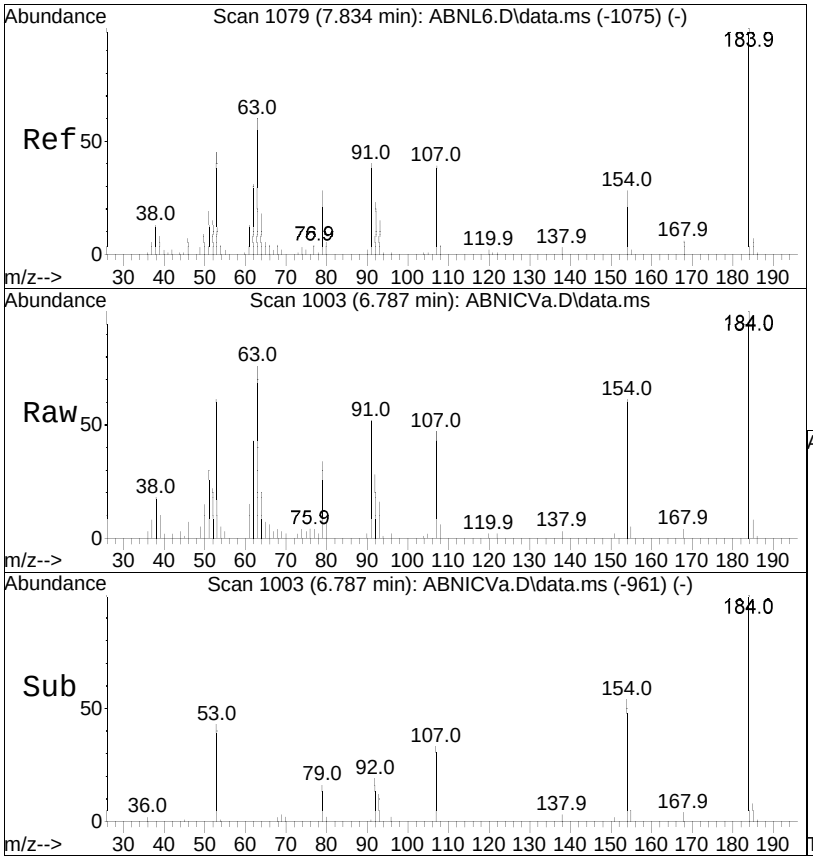


#65
Acenaphthene
Concen: 4.91 ug/ml
RT: 6.716 min Scan# 991
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:154 Resp: 67786

Ion	Ratio	Lower	Upper
154	100		
153	118.5	93.0	139.4
152	54.7	43.3	64.9

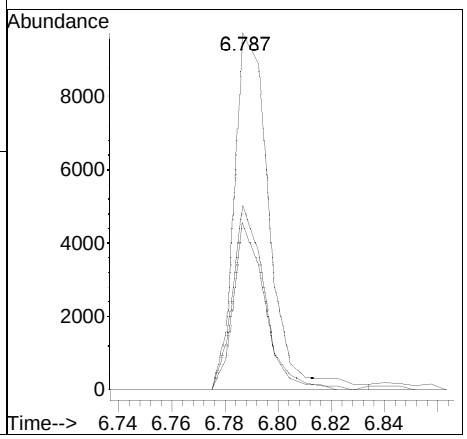


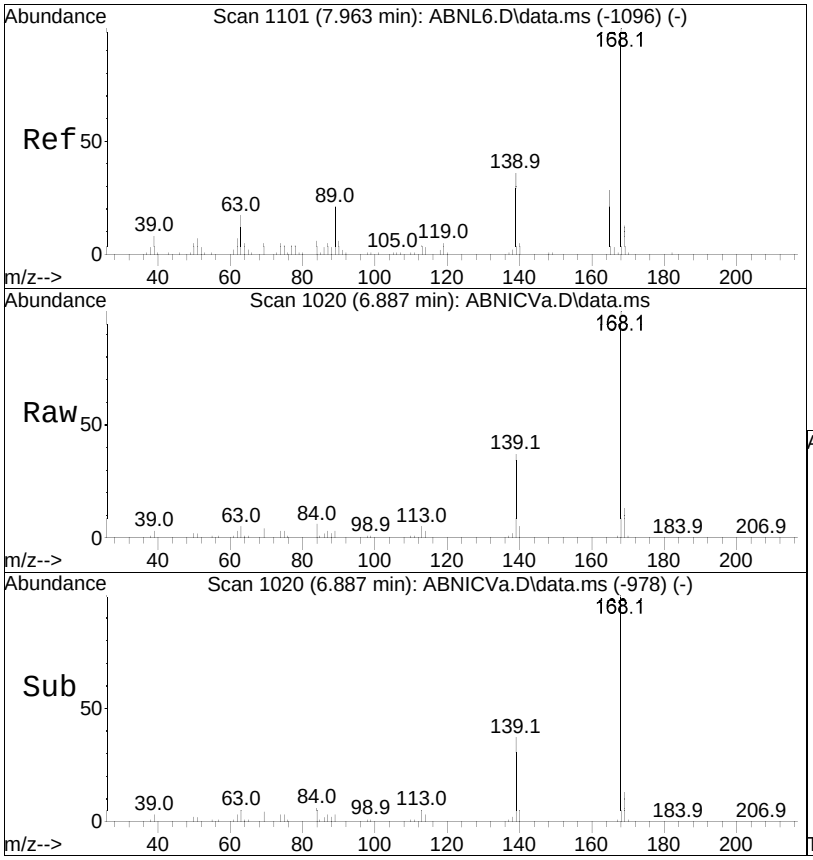


#66
2,4-Dinitrophenol
Concen: 3.99 ug/ml
RT: 6.787 min Scan# 1003
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:184 Resp: 8850

Ion	Ratio	Lower	Upper
184	100		
107	41.7	41.8	62.6#
91	47.6	44.2	66.2

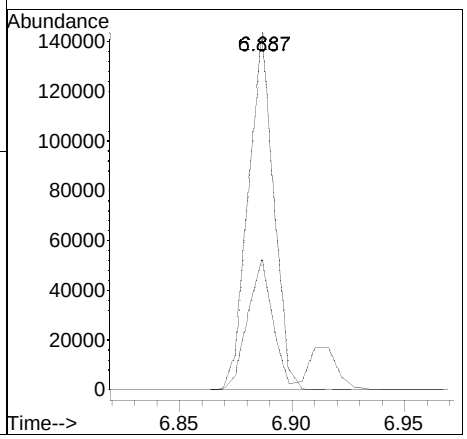


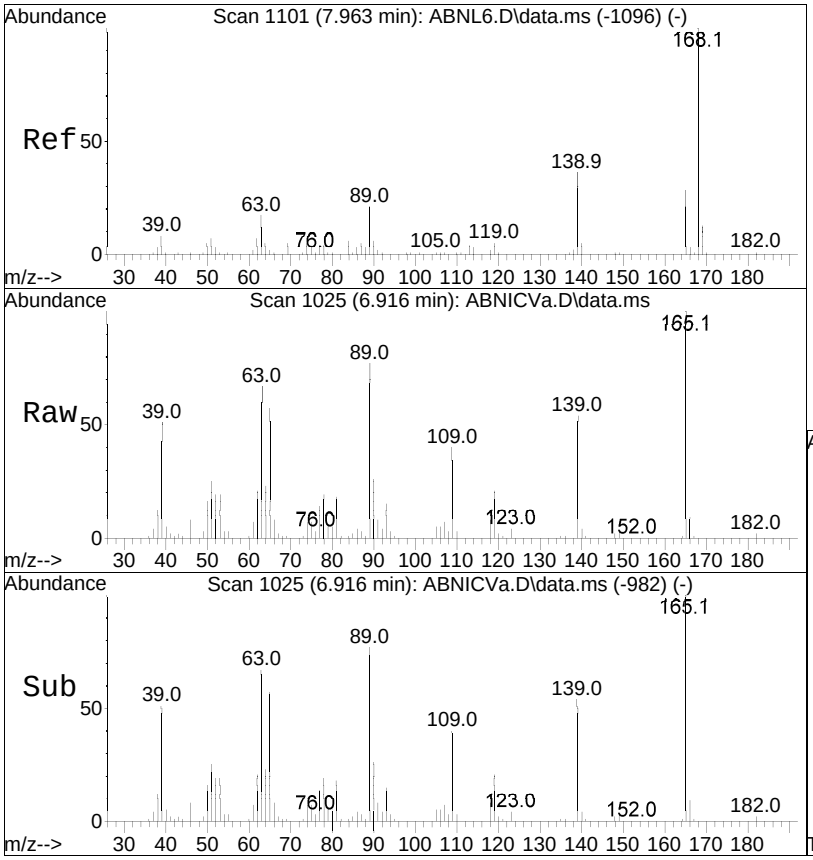


#67
Dibenzofuran
Concen: 4.88 ug/ml
RT: 6.887 min Scan# 1020
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:168 Resp: 112007

Ion	Ratio	Lower	Upper
168	100		
139	36.2	32.3	48.5

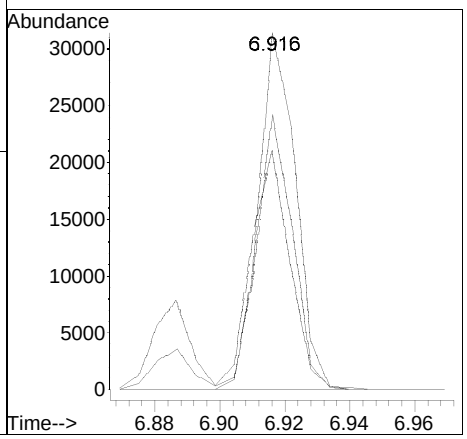


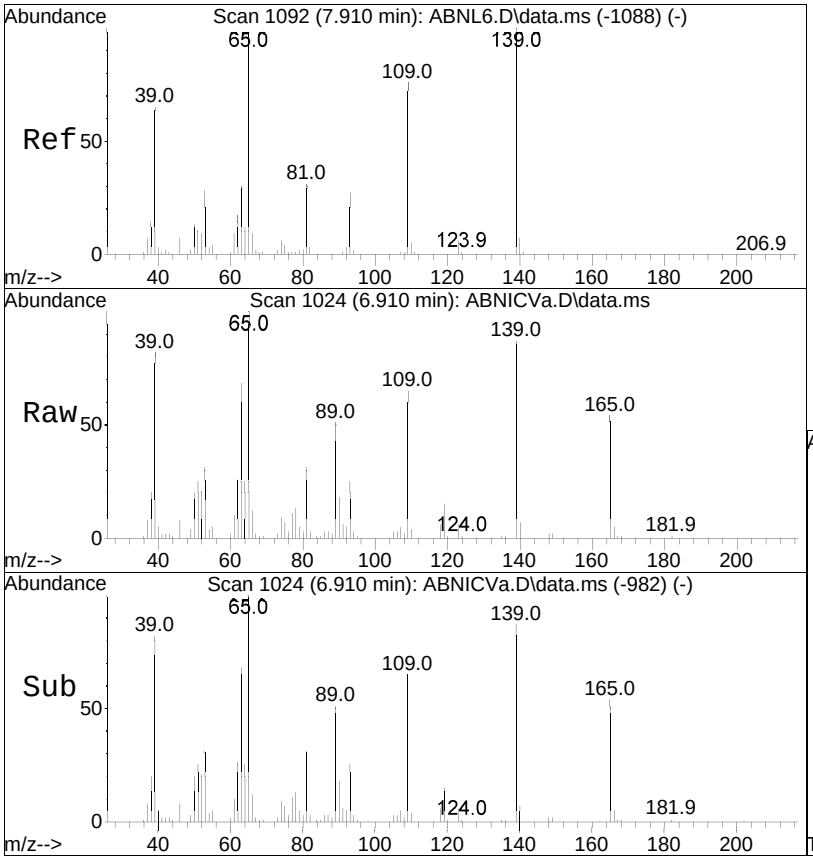


#68
2,4-Dinitrotoluene
Concen: 4.35 ug/ml
RT: 6.916 min Scan# 1025
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:165 Resp: 24798

Ion	Ratio	Lower	Upper
165	100		
89	74.3	73.0	109.4
63	70.1	56.3	84.5

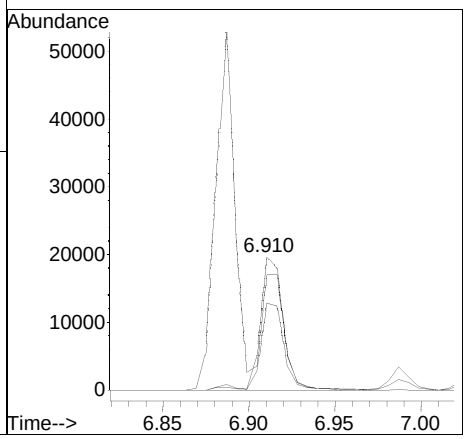


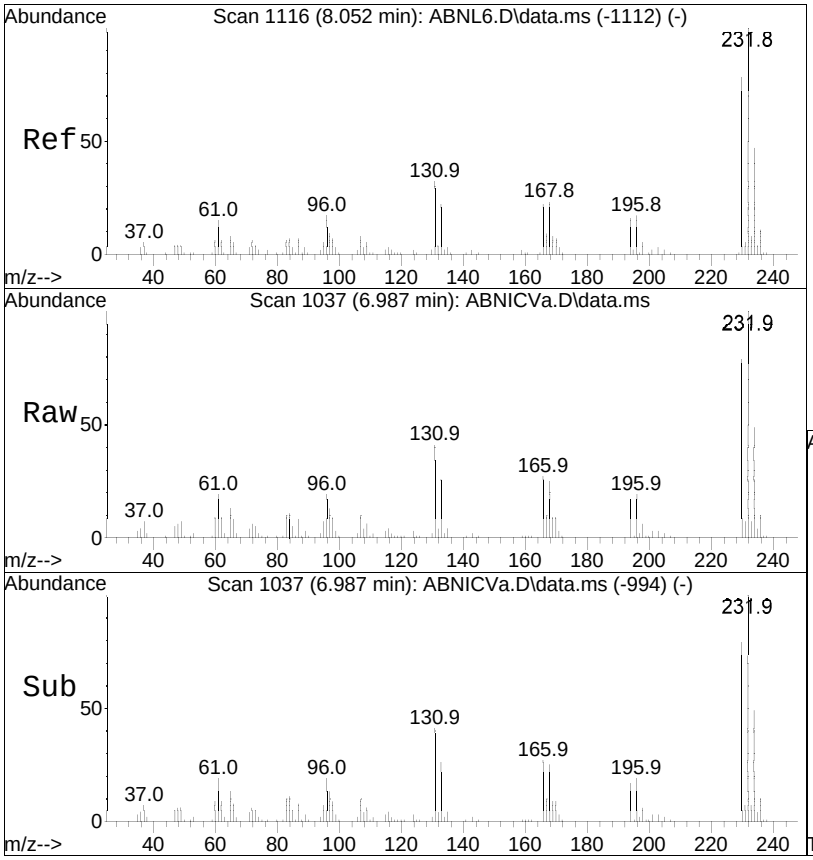


#69
4-Nitrophenol
Concen: 4.78 ug/ml
RT: 6.910 min Scan# 1024
Delta R.T. -0.006 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion: 65 Resp: 18414

Ion	Ratio	Lower	Upper
65	100		
109	65.8	60.2	90.2
139	220.3	81.1	121.7#

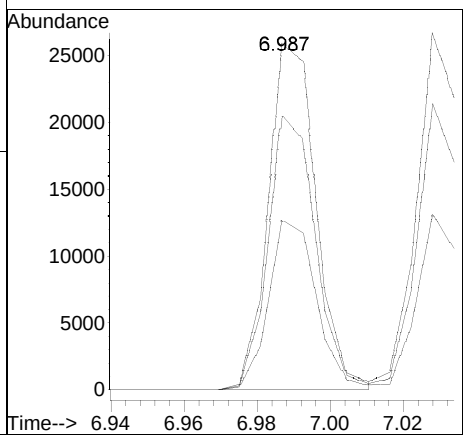


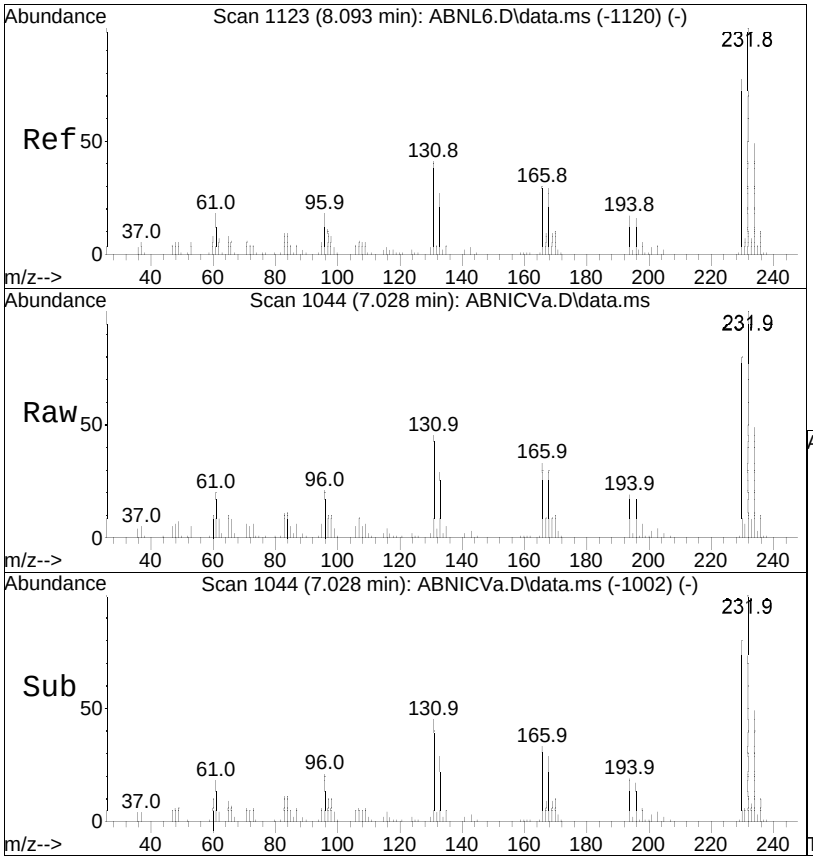


#70
2,3,5,6-Tetrachlorophenol
Concen: 4.13 ug/ml
RT: 6.987 min Scan# 1037
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:232 Resp: 23528

Ion	Ratio	Lower	Upper
232	100		
230	78.8	63.8	95.8
234	49.0	38.3	57.5

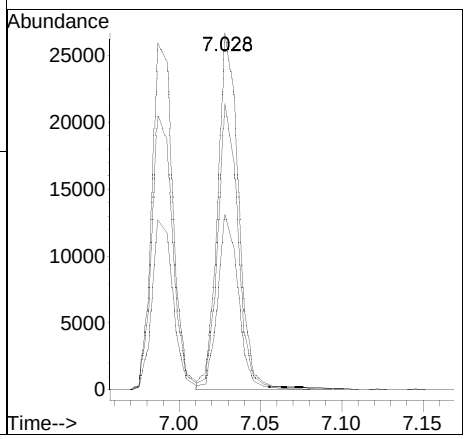


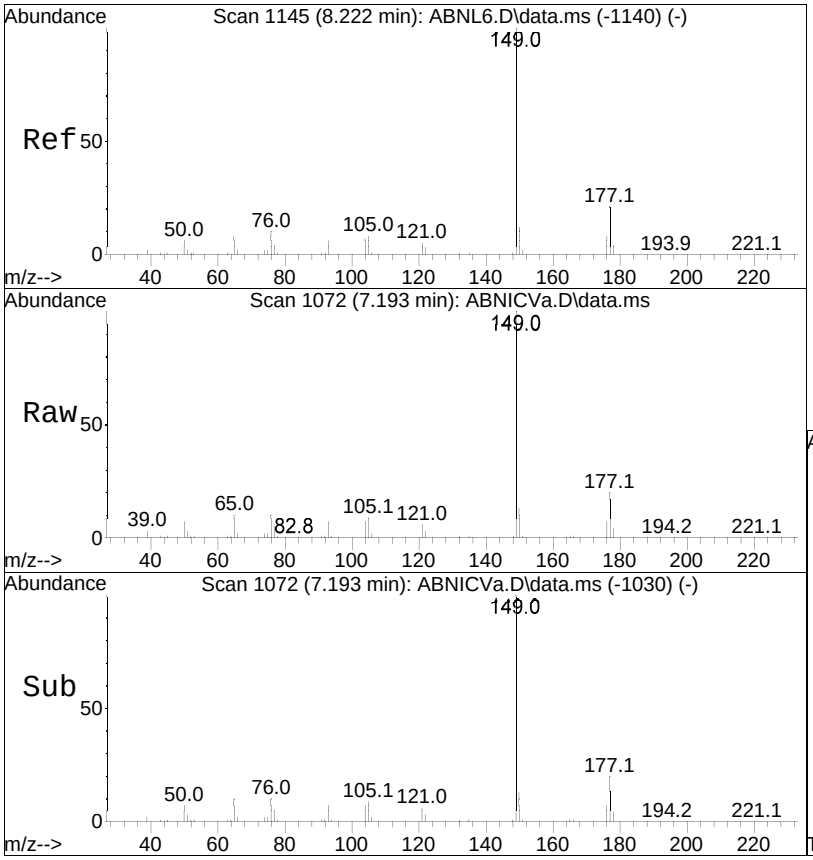


#71
2,3,4,6-Tetrachlorophenol
Concen: 4.28 ug/ml
RT: 7.028 min Scan# 1044
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:232 Resp: 24306

Ion	Ratio	Lower	Upper
232	100		
230	76.3	63.8	95.8
234	48.2	39.0	58.6

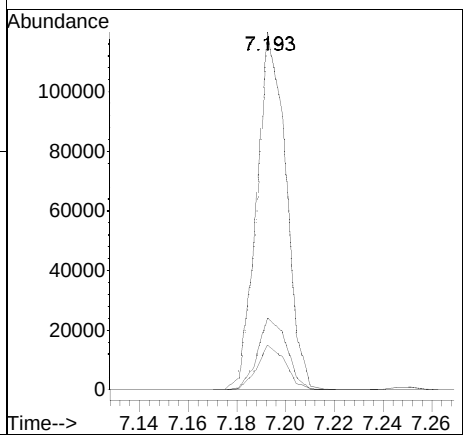


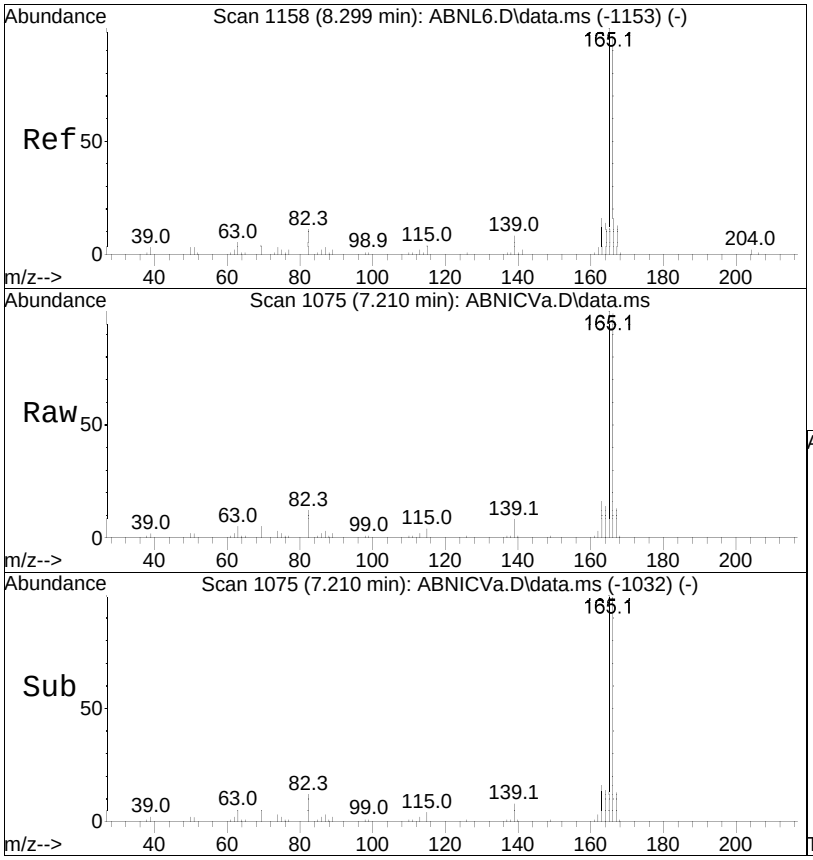


#72
Diethyl phthalate
Concen: 5.03 ug/ml
RT: 7.193 min Scan# 1072
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:149 Resp: 98507

Ion	Ratio	Lower	Upper
149	100		
177	20.3	15.0	22.6
150	12.4	9.8	14.6

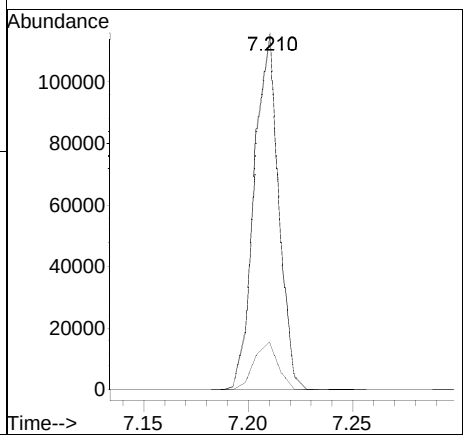


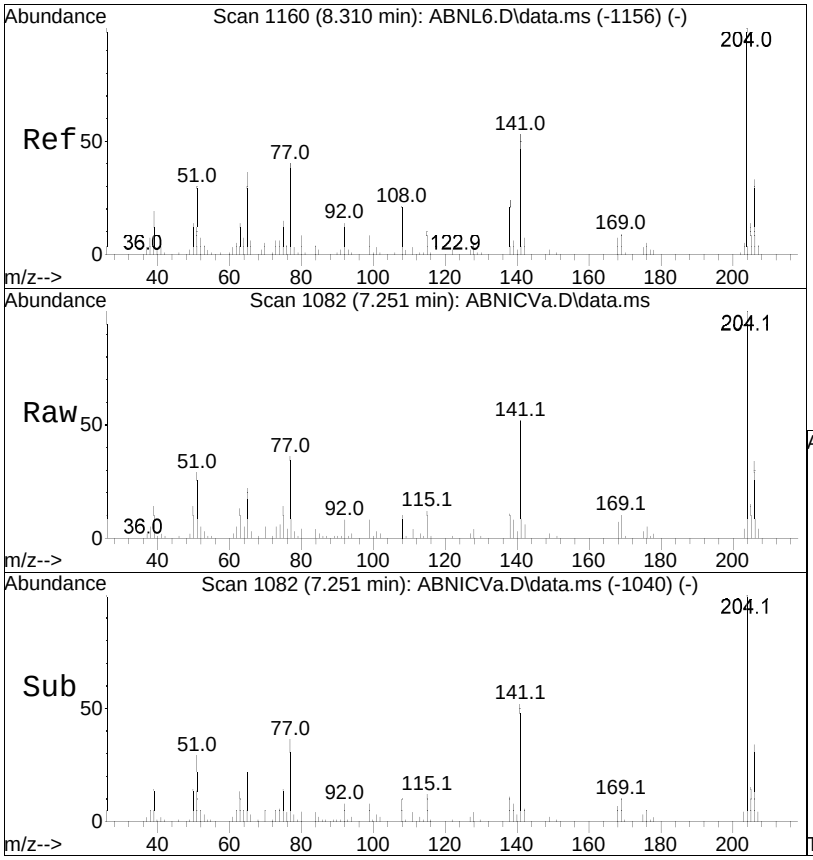


#73
Fluorene
Concen: 4.99 ug/ml
RT: 7.210 min Scan# 1075
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:166 Resp: 93015

Ion	Ratio	Lower	Upper
166	100		
165	102.3	80.0	120.0
167	13.6	10.7	16.1

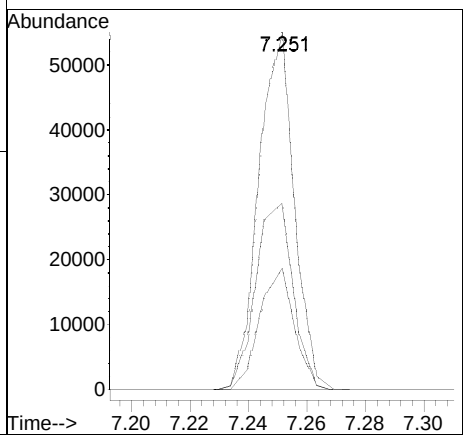


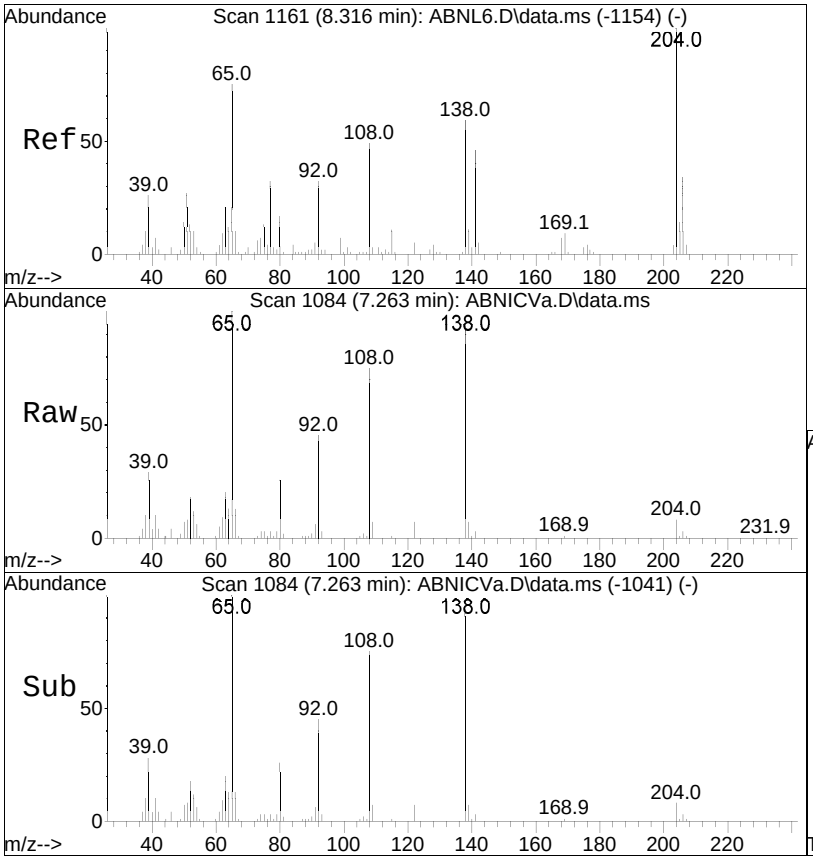


#74
4-Chlorophenyl phenyl ether
Concen: 4.69 ug/ml
RT: 7.251 min Scan# 1082
Delta R.T. -0.001 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:204 Resp: 45988

Ion	Ratio	Lower	Upper
204	100		
206	33.5	26.3	39.5
141	55.2	58.4	87.6#

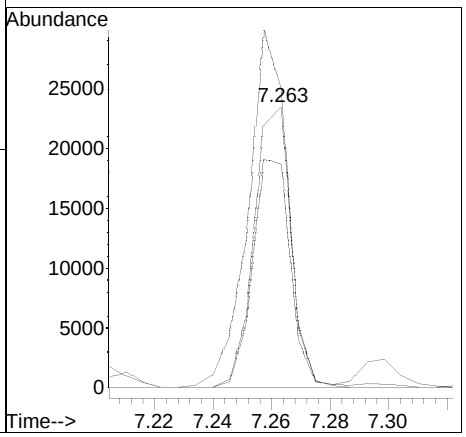


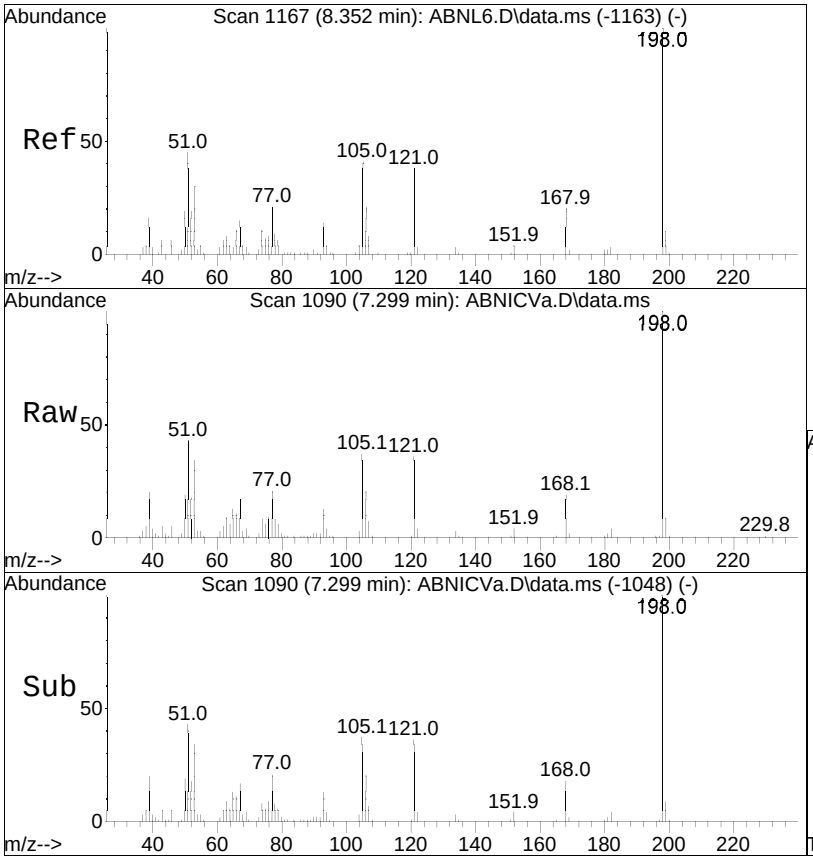


#75
4-Nitroaniline
Concen: 4.58 ug/ml
RT: 7.263 min Scan# 1084
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:138 Resp: 20475

Ion	Ratio	Lower	Upper
138	100		
108	83.6	59.2	88.8
65	134.7	97.6	146.4

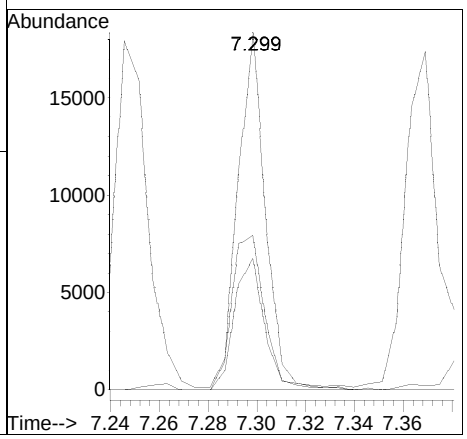


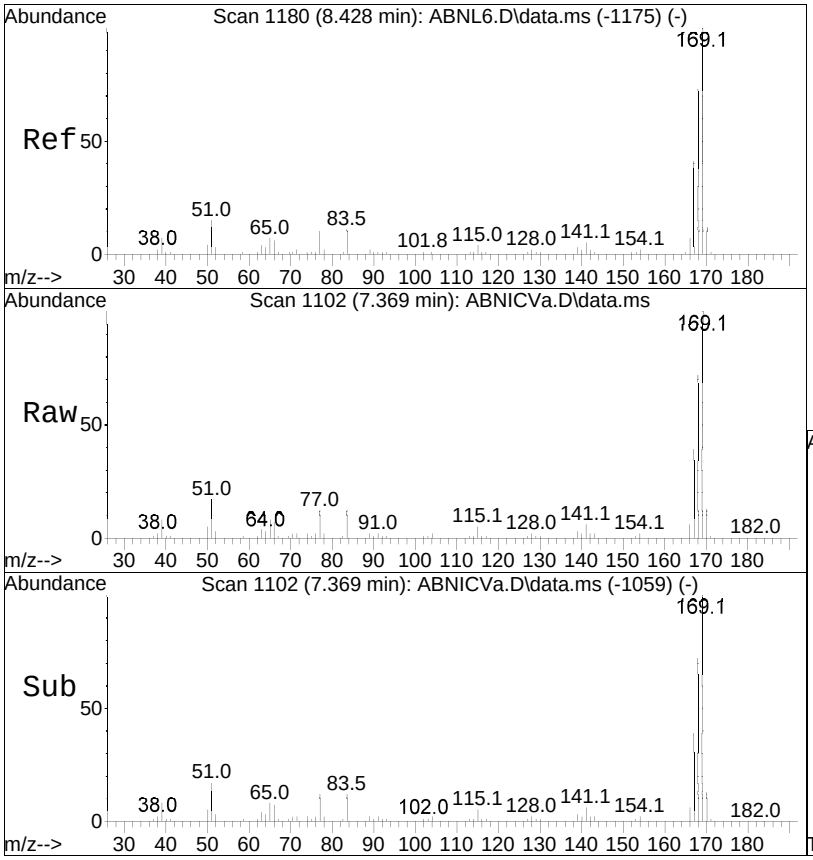


#76
4,6-Dinitro-o-cresol
Concen: 4.32 ug/ml
RT: 7.299 min Scan# 1090
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:198 Resp: 14437

Ion	Ratio	Lower	Upper
198	100		
51	51.4	49.9	74.9
105	41.1	45.8	68.6#

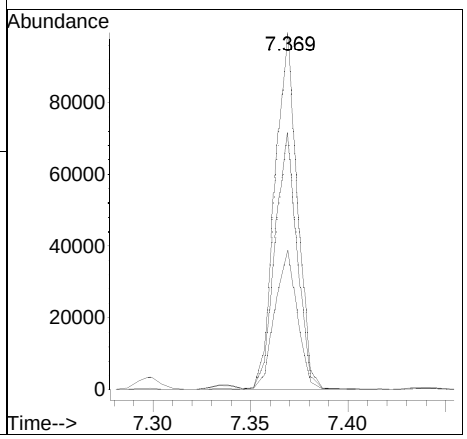


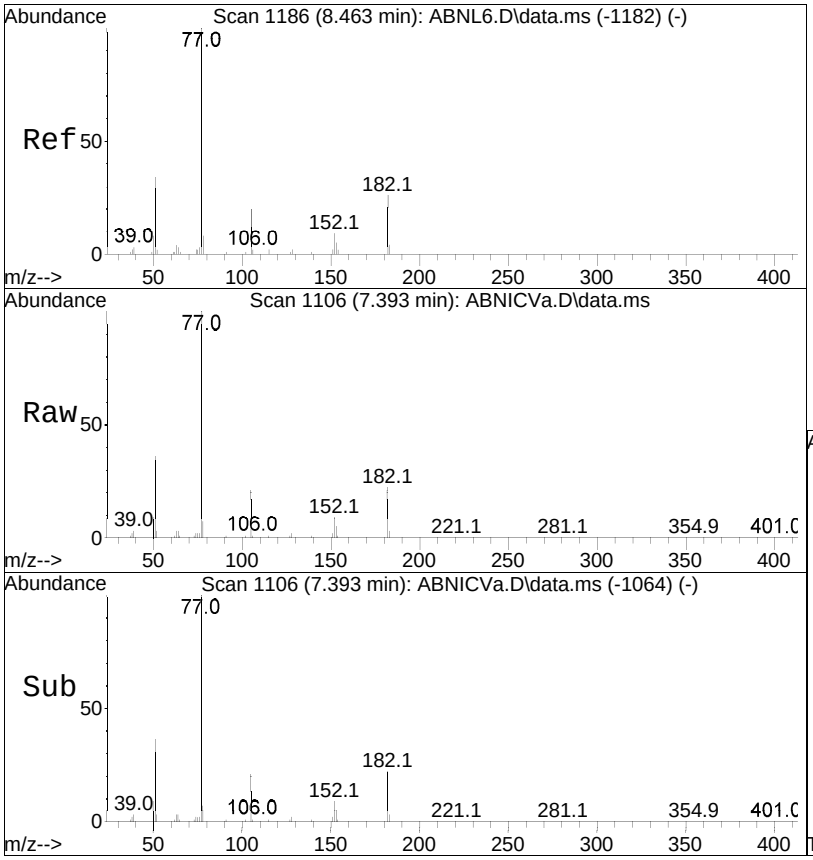


#77
NDPA/DPA
Concen: 5.08 ug/ml
RT: 7.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:169 Resp: 79194

Ion	Ratio	Lower	Upper
169	100		
168	71.3	55.2	82.8
167	39.4	30.4	45.6

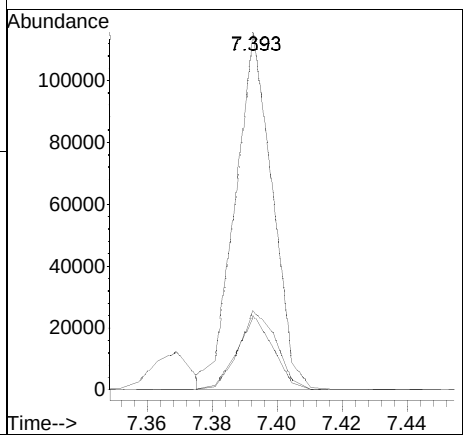


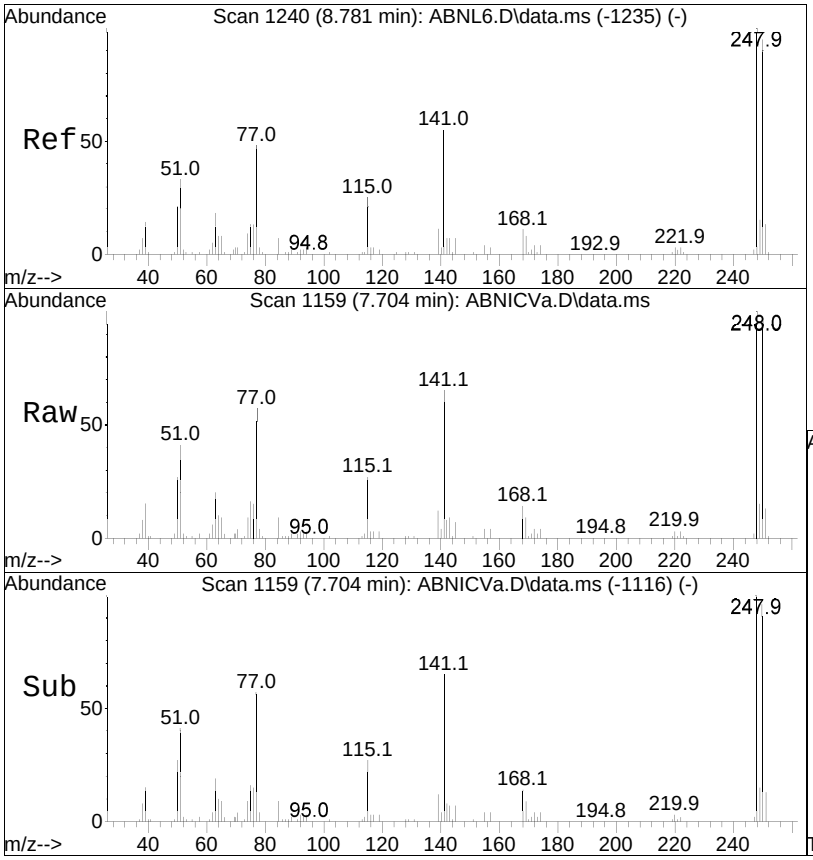


#78
Azobenzene
Concen: 5.29 ug/ml M6
RT: 7.393 min Scan# 1106
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion: 77 Resp: 90814

Ion	Ratio	Lower	Upper
77	100		
182	22.9	16.2	24.2
105	20.8	17.9	26.9

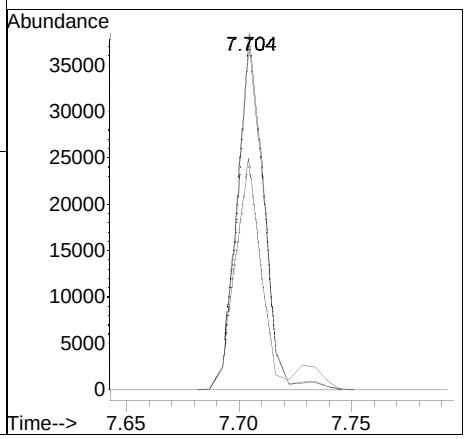


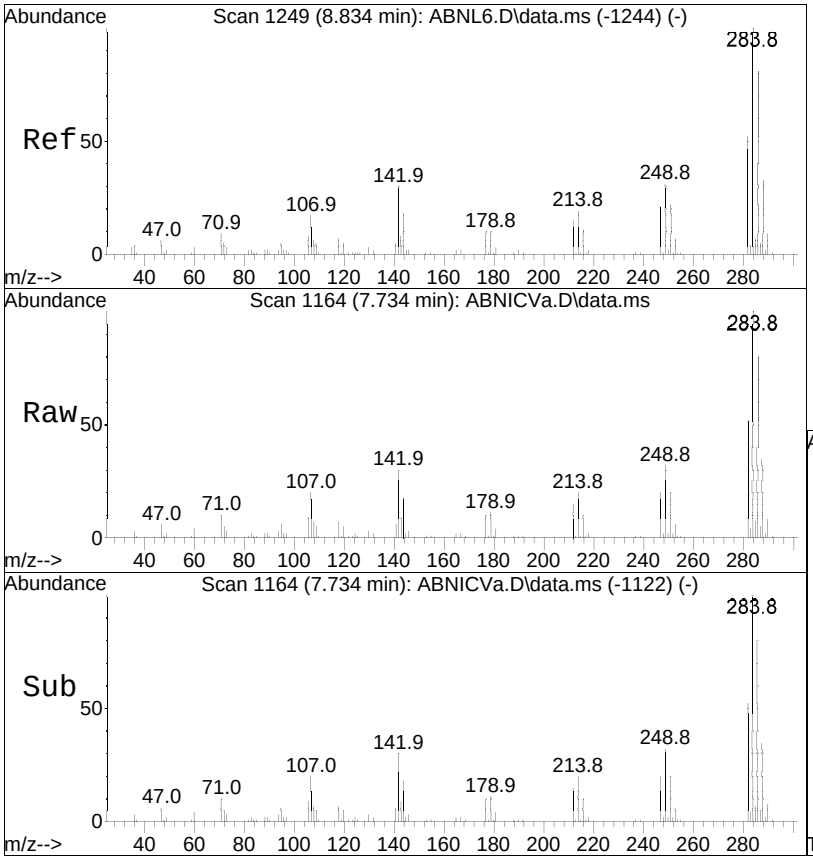


#80
4-Bromophenyl phenyl ether
Concen: 4.90 ug/ml
RT: 7.704 min Scan# 1159
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:248 Resp: 31417

Ion	Ratio	Lower	Upper
248	100		
141	63.2	74.6	111.8#
250	96.3	76.9	115.3

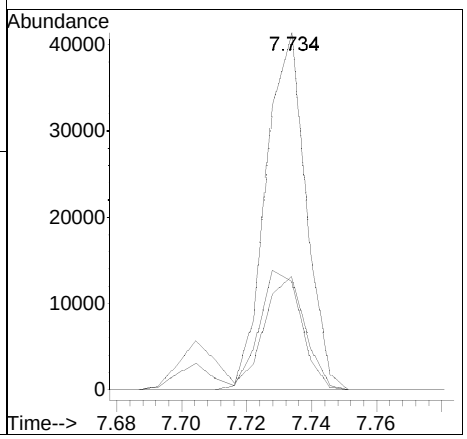


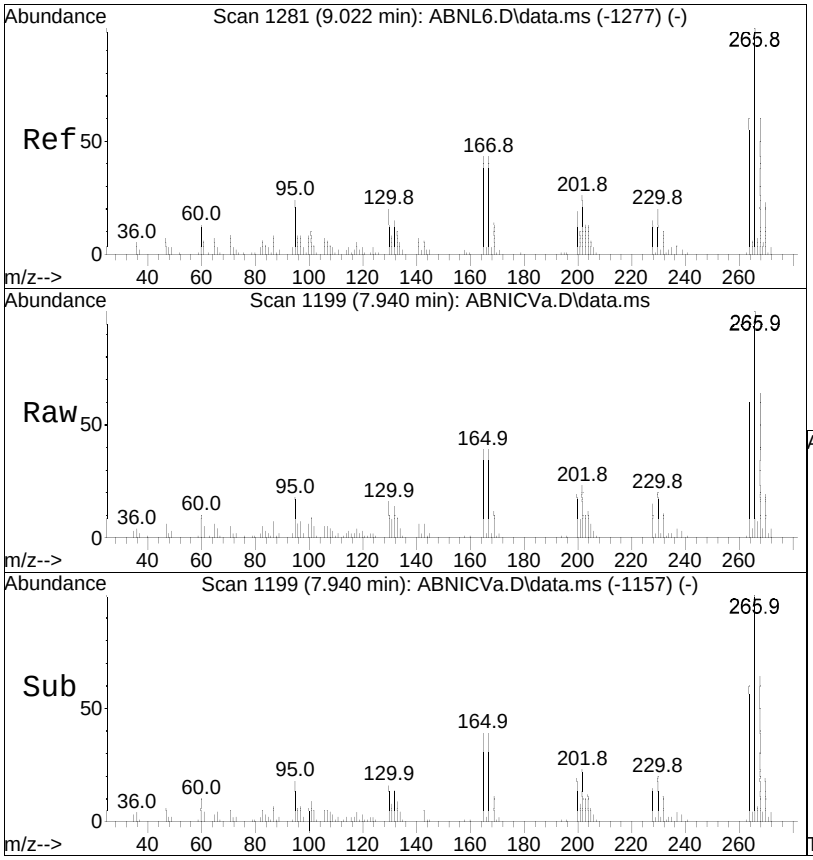


#81
Hexachlorobenzene
Concen: 4.67 ug/ml
RT: 7.734 min Scan# 1164
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:284 Resp: 35435

Ion	Ratio	Lower	Upper
284	100		
142	34.7	37.6	56.4#
249	32.5	25.4	38.2

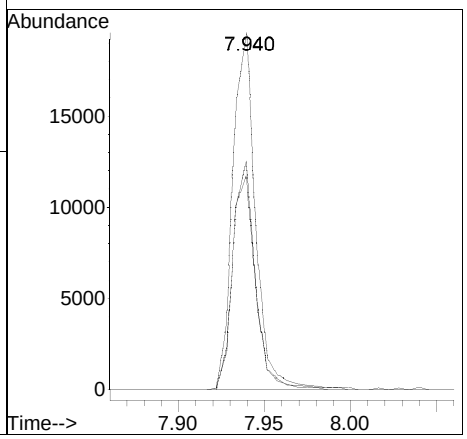


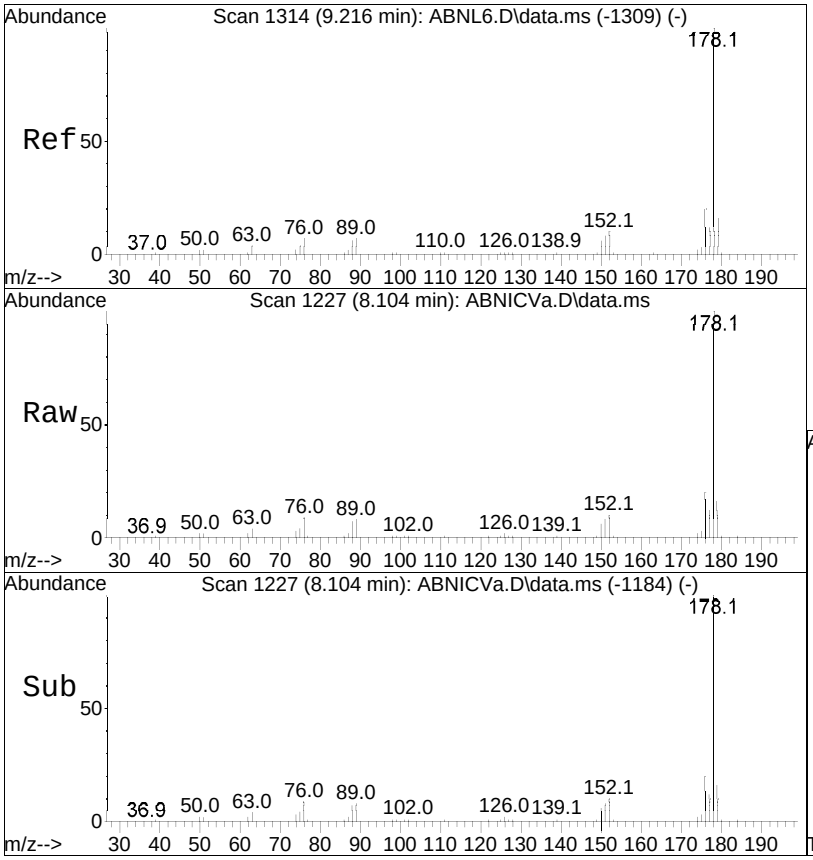


#82
Pentachlorophenol
Concen: 4.06 ug/ml
RT: 7.940 min Scan# 1199
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:266 Resp: 18224

Ion	Ratio	Lower	Upper
266	100		
264	60.4	50.7	76.1
268	63.6	52.5	78.7

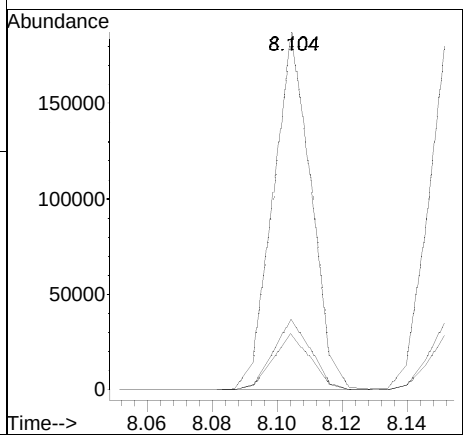


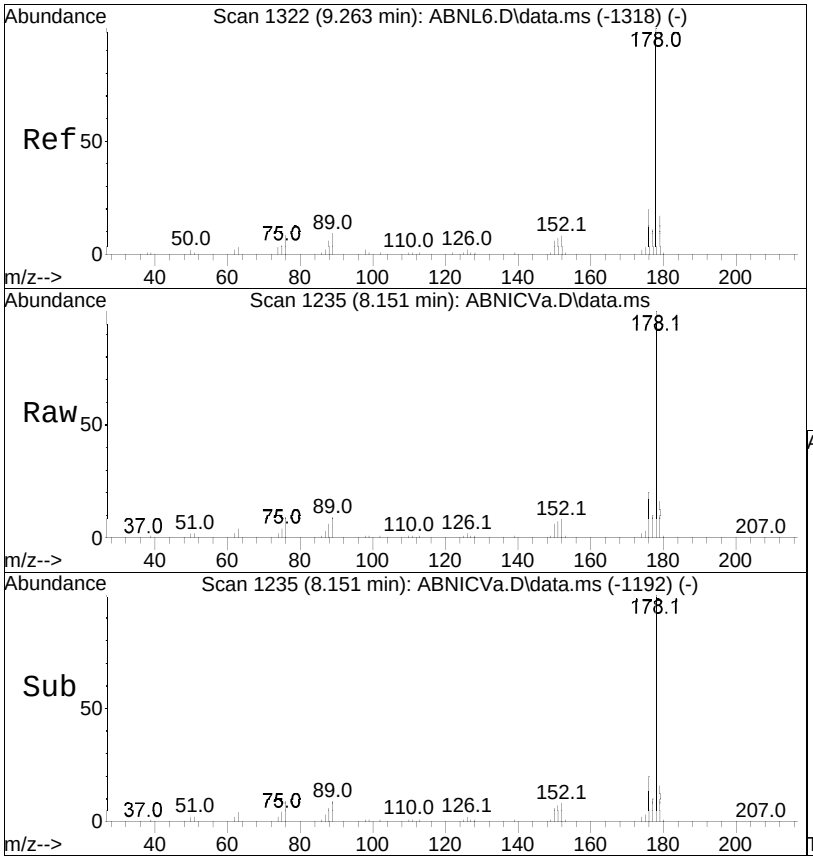


#89
Phenanthrene
Concen: 4.91 ug/ml
RT: 8.104 min Scan# 1227
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:178 Resp: 151732

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.3	18.5
176	19.5	15.4	23.2

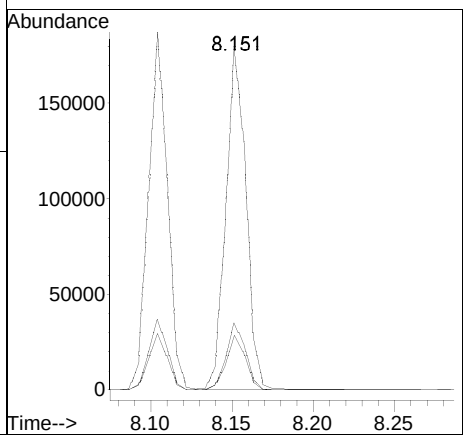


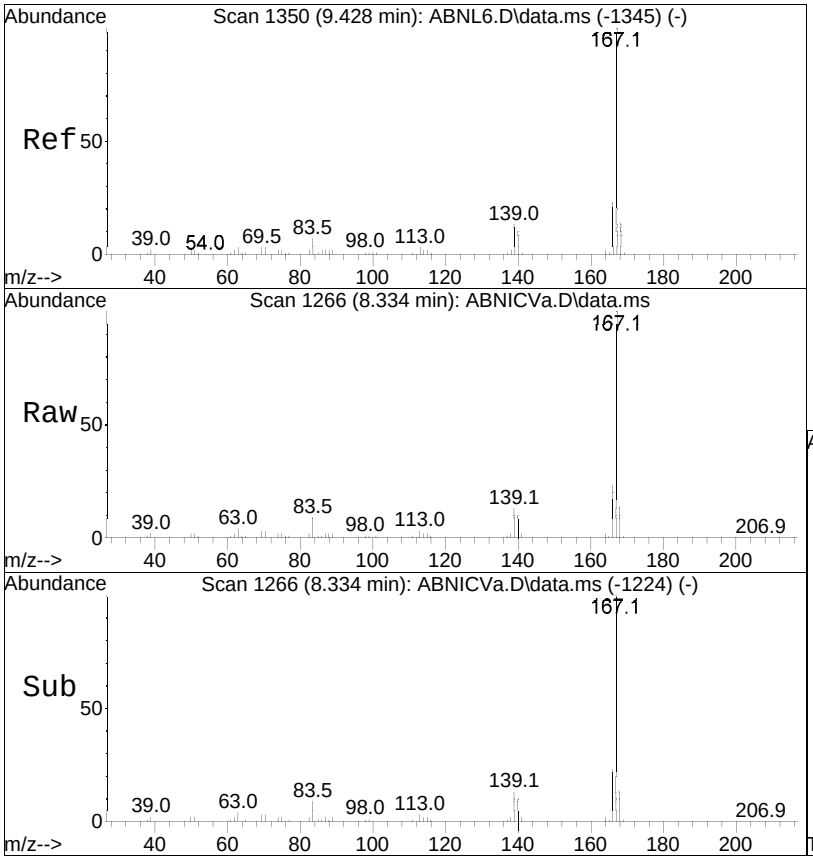


#90
Anthracene
Concen: 5.03 ug/ml
RT: 8.151 min Scan# 1235
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:178 Resp: 154329

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2
176	19.0	15.1	22.7

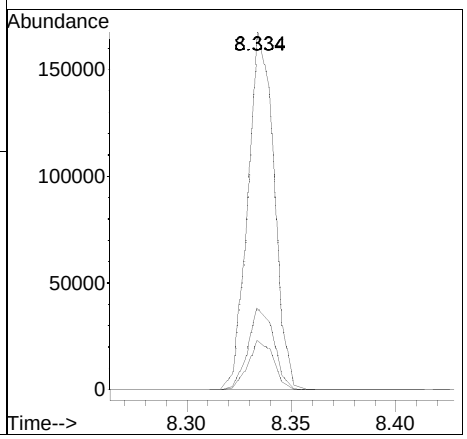


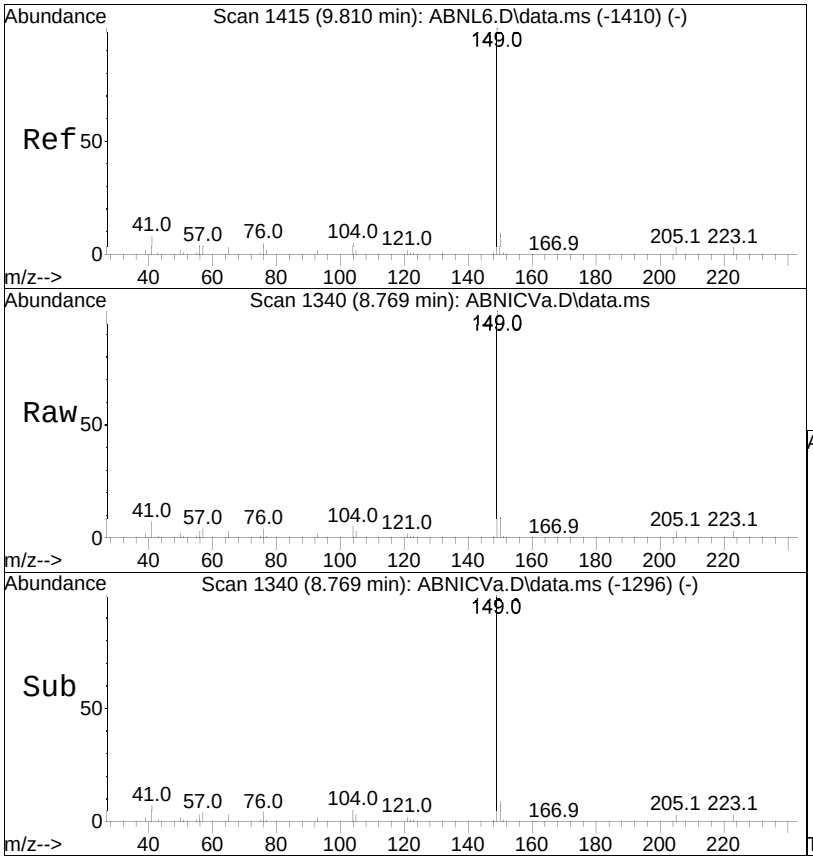


#91
Carbazole
Concen: 5.20 ug/ml
RT: 8.334 min Scan# 1266
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:167 Resp: 145179

Ion	Ratio	Lower	Upper
167	100		
168	13.7	10.8	16.2
166	22.7	17.7	26.5

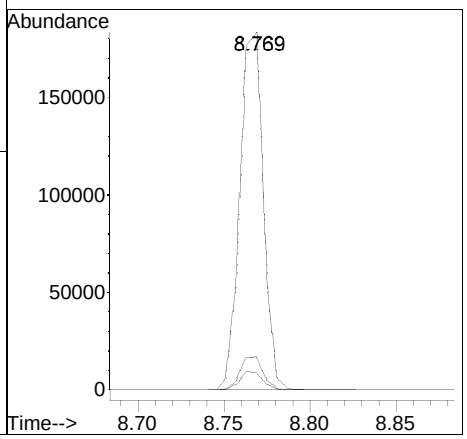


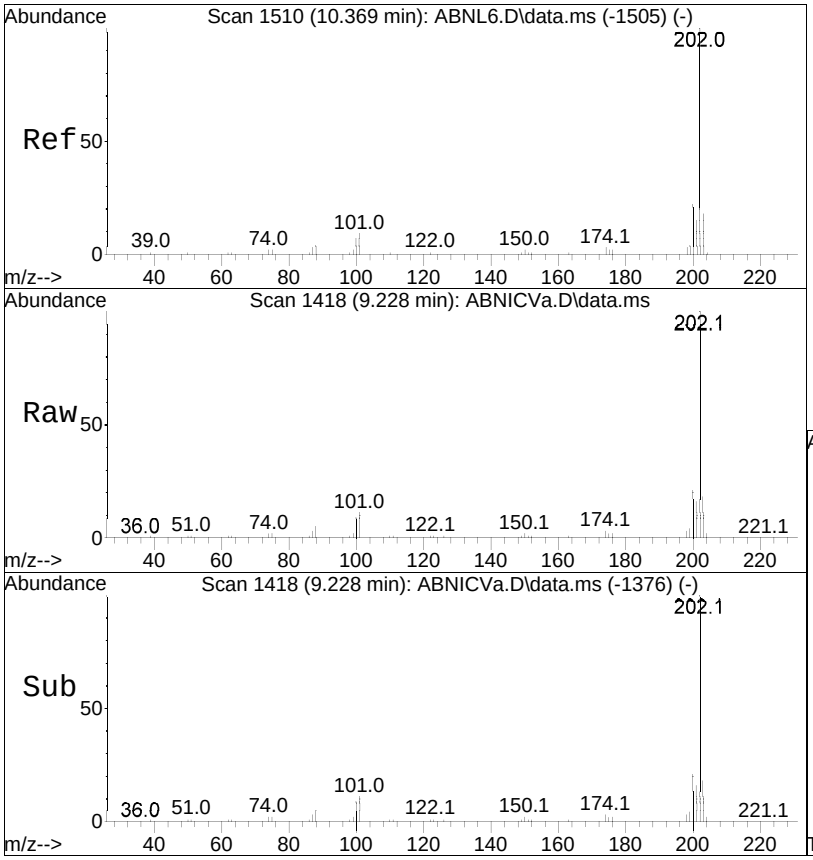


#92
Di-n-butylphthalate
Concen: 5.24 ug/ml
RT: 8.769 min Scan# 1340
Delta R.T. 0.006 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:149 Resp: 171468

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	5.1	4.0	6.0

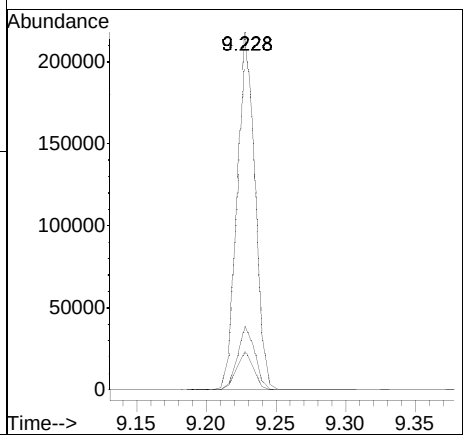


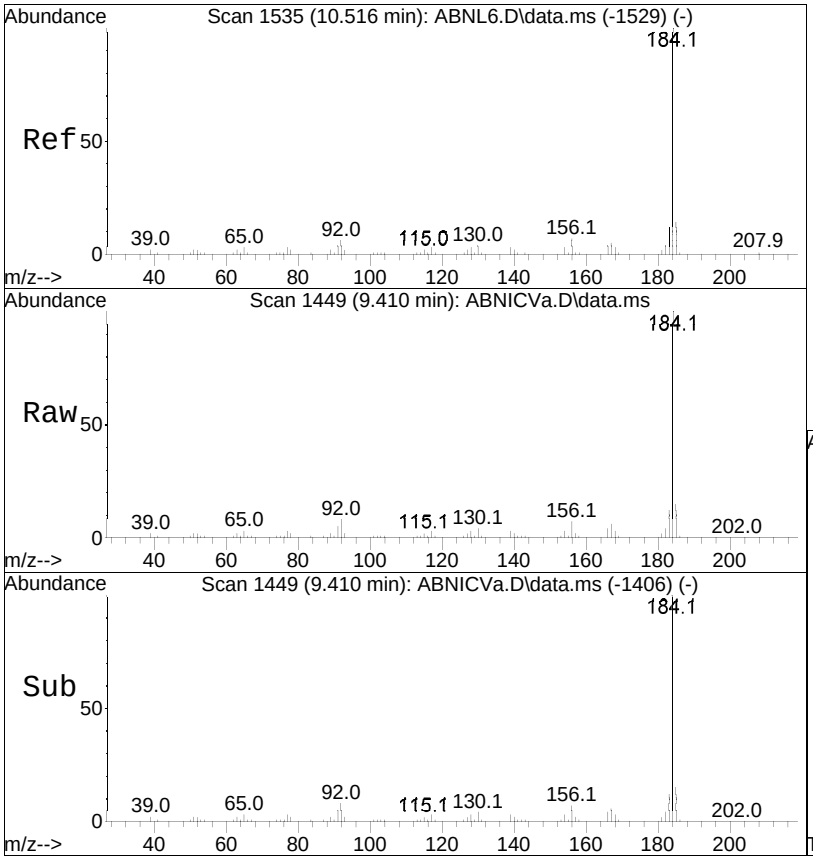


#93
Fluoranthene
Concen: 5.14 ug/ml M3
RT: 9.228 min Scan# 1418
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:202 Resp: 191999

Ion	Ratio	Lower	Upper
202	100		
101	13.8	11.2	16.8
203	18.9	13.7	20.5

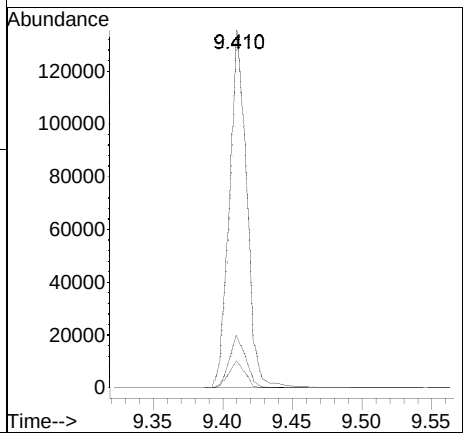


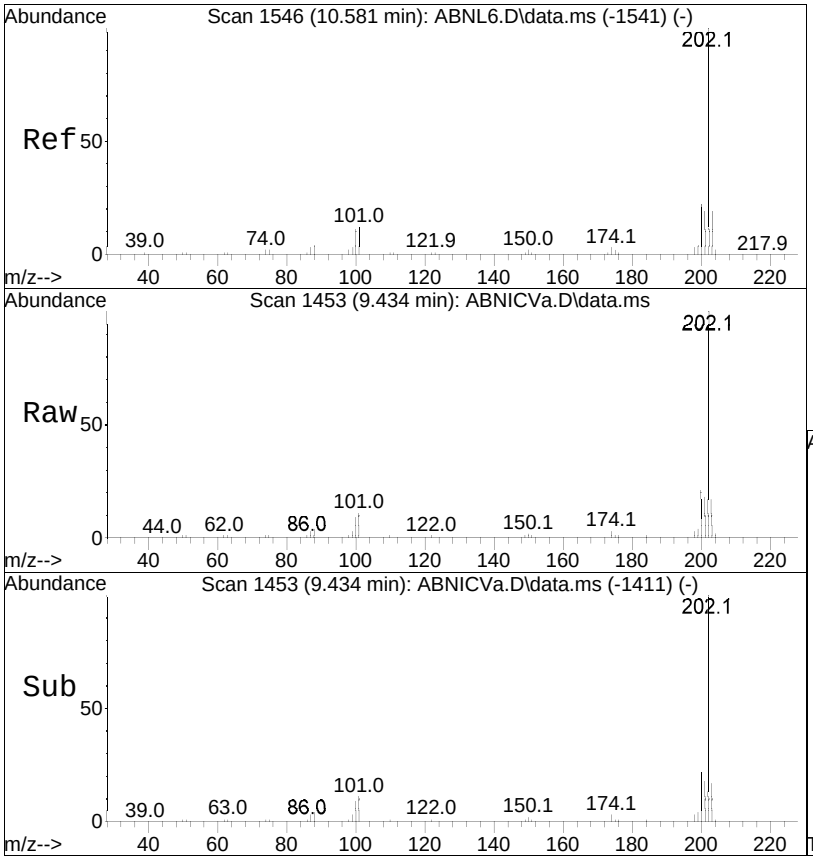


#94
Benzidine
Concen: 4.81 ug/ml
RT: 9.410 min Scan# 1449
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:184 Resp: 115660

Ion	Ratio	Lower	Upper
184	100		
92	7.3	7.3	10.9#
185	14.5	11.8	17.8

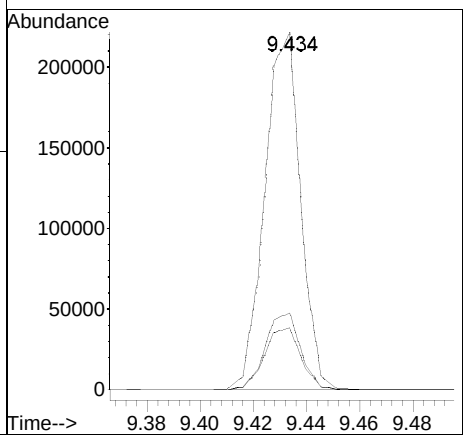


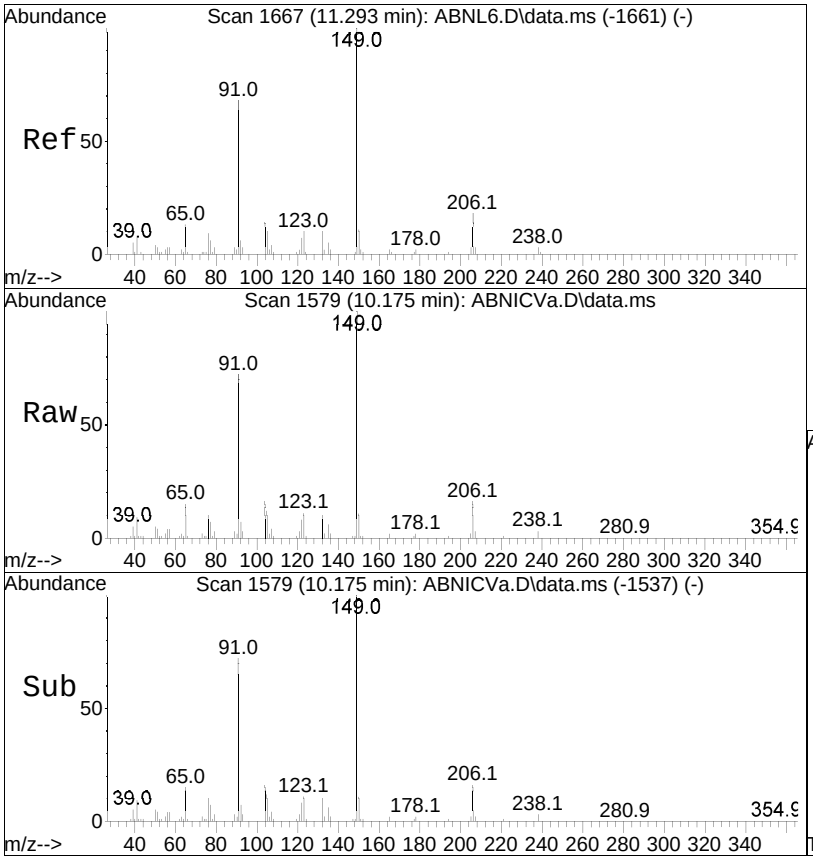


#95
Pyrene
Concen: 5.32 ug/ml
RT: 9.434 min Scan# 1453
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:202 Resp: 204682

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.9	25.3
203	17.8	14.3	21.5

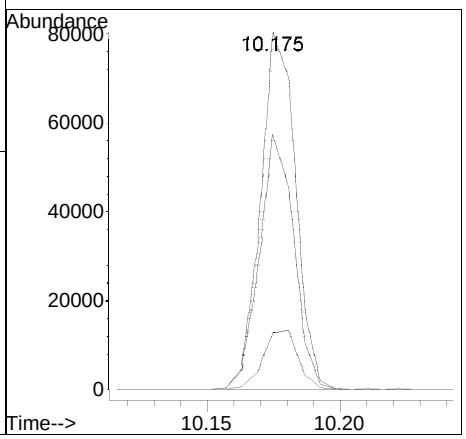


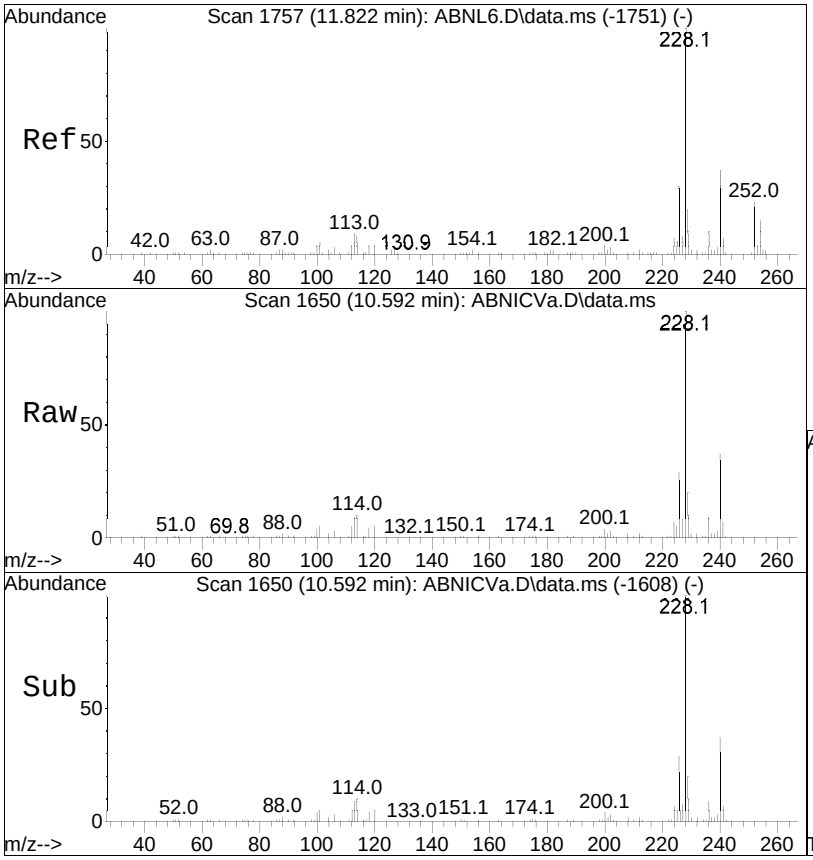


#97
Butyl benzyl phthalate
Concen: 4.45 ug/ml
RT: 10.175 min Scan# 1579
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:149 Resp: 72857

Ion	Ratio	Lower	Upper
149	100		
91	70.2	57.9	86.9
206	16.7	11.9	17.9

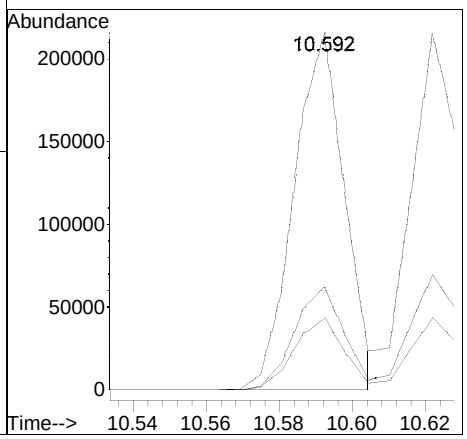


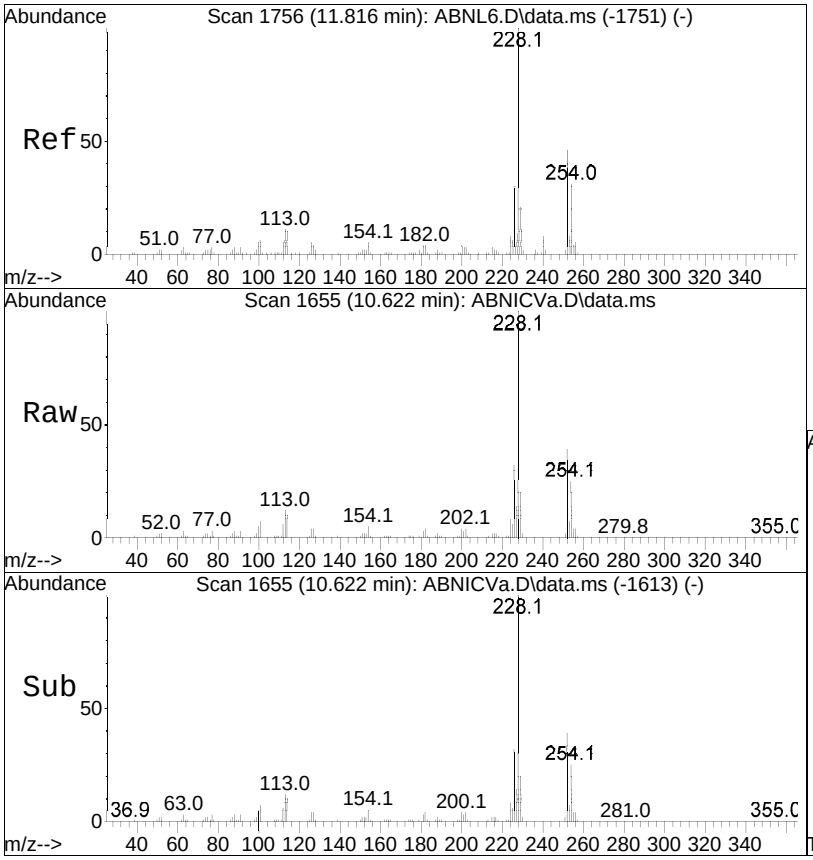


#105
Benzo(a)anthracene
Concen: 4.86 ug/ml
RT: 10.592 min Scan# 1650
Delta R.T. -0.001 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:228 Resp: 207497

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	34.0
229	19.9	15.8	23.6

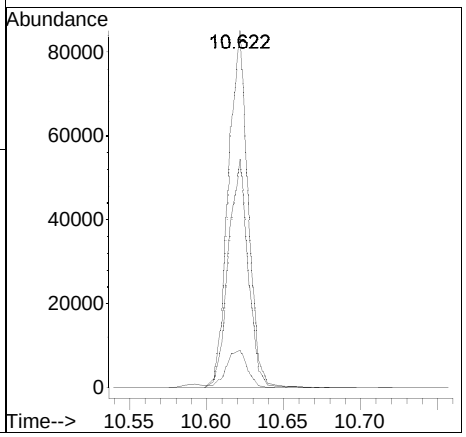


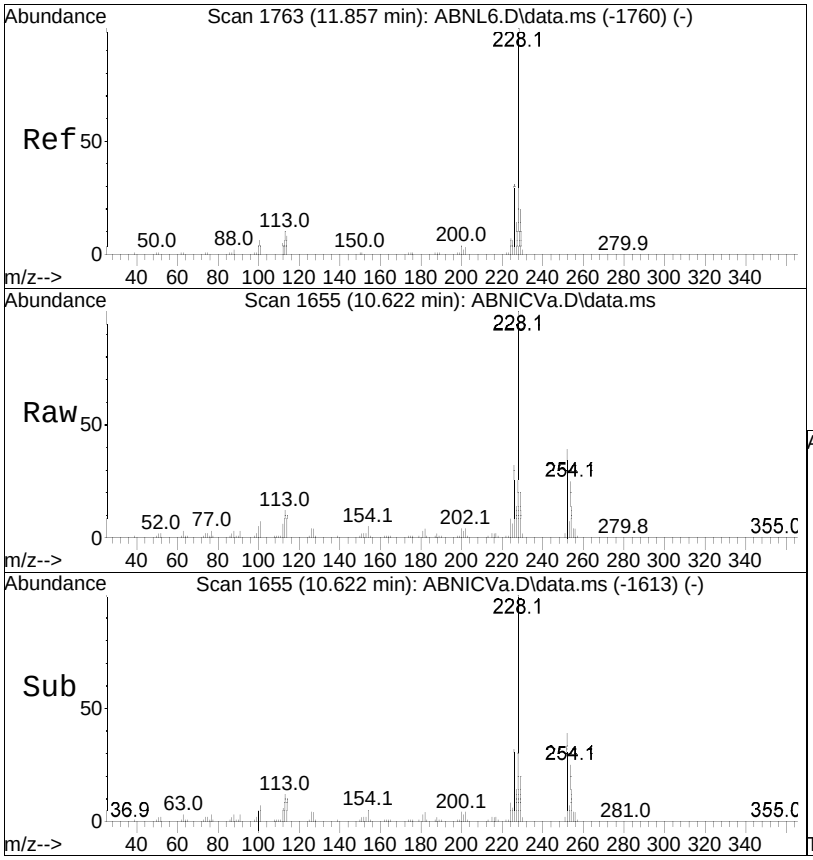


#106
3,3'-Dichlorobenzidine
Concen: 4.85 ug/ml
RT: 10.622 min Scan# 1655
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:252 Resp: 74975

Ion	Ratio	Lower	Upper
252	100		
126	12.5	12.6	19.0#
254	64.5	51.1	76.7

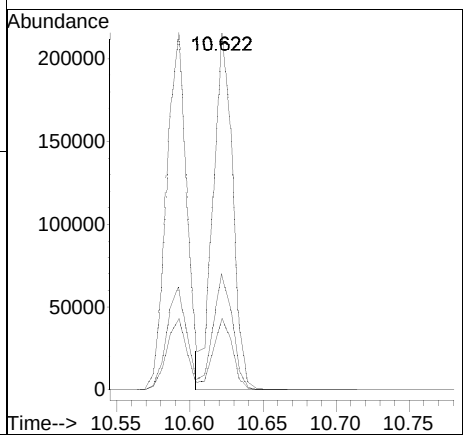


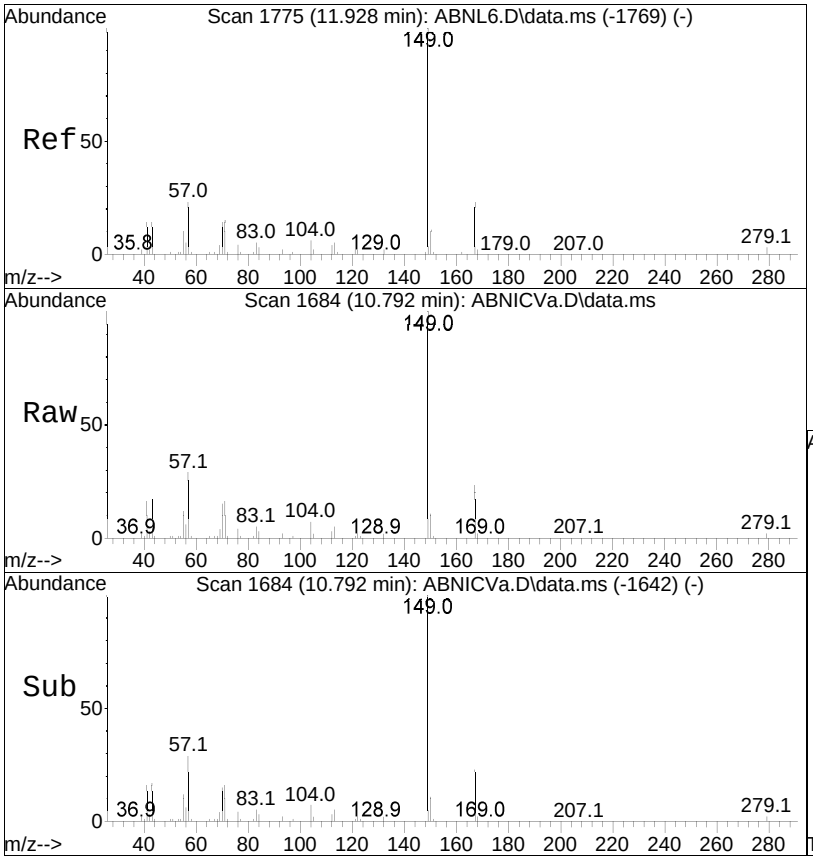


#107
Chrysene
Concen: 5.00 ug/ml
RT: 10.622 min Scan# 1655
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:228 Resp: 198758

Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.7	37.1
229	19.9	15.5	23.3

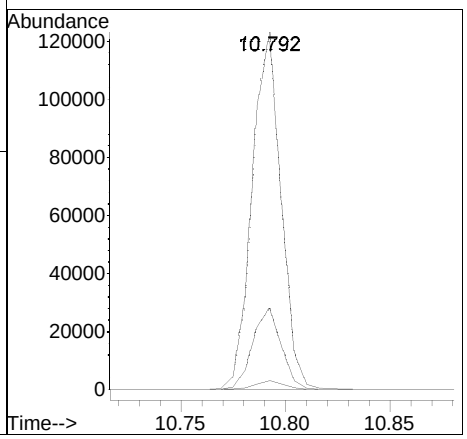


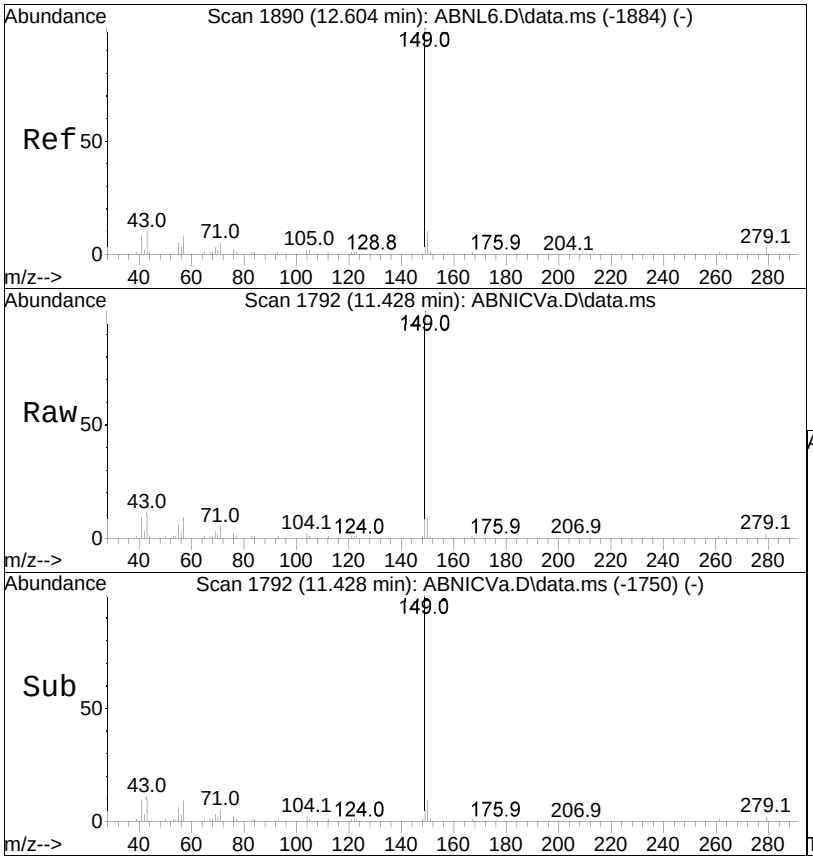


#108
Bis(2-ethylhexyl)phthalate
Concen: 4.40 ug/ml
RT: 10.792 min Scan# 1684
Delta R.T. -0.001 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:149 Resp: 117028

Ion	Ratio	Lower	Upper
149	100		
167	22.7	18.4	27.6
279	2.3	1.7	2.5

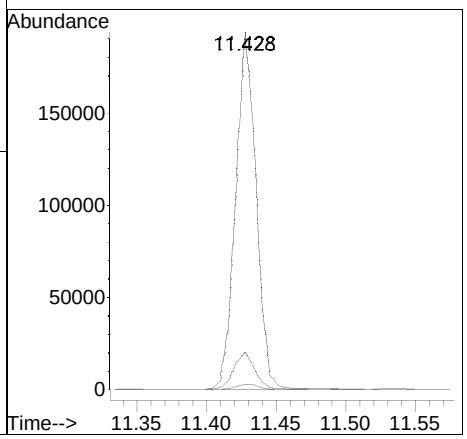


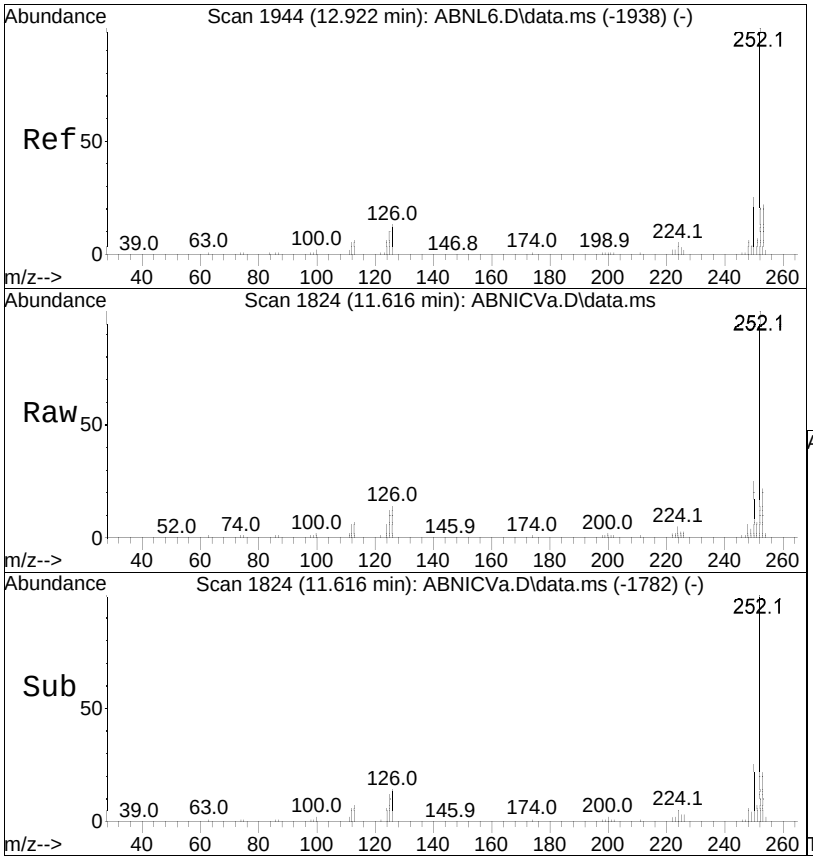


#109
Di-n-octylphthalate
Concen: 4.11 ug/ml
RT: 11.428 min Scan# 1792
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:149 Resp: 194880

Ion	Ratio	Lower	Upper
149	100		
43	10.8	8.2	12.2
167	1.4	1.1	1.7

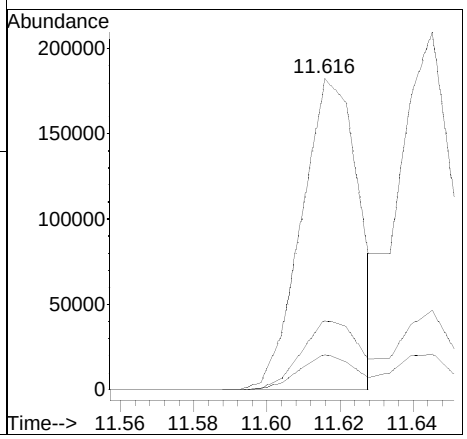


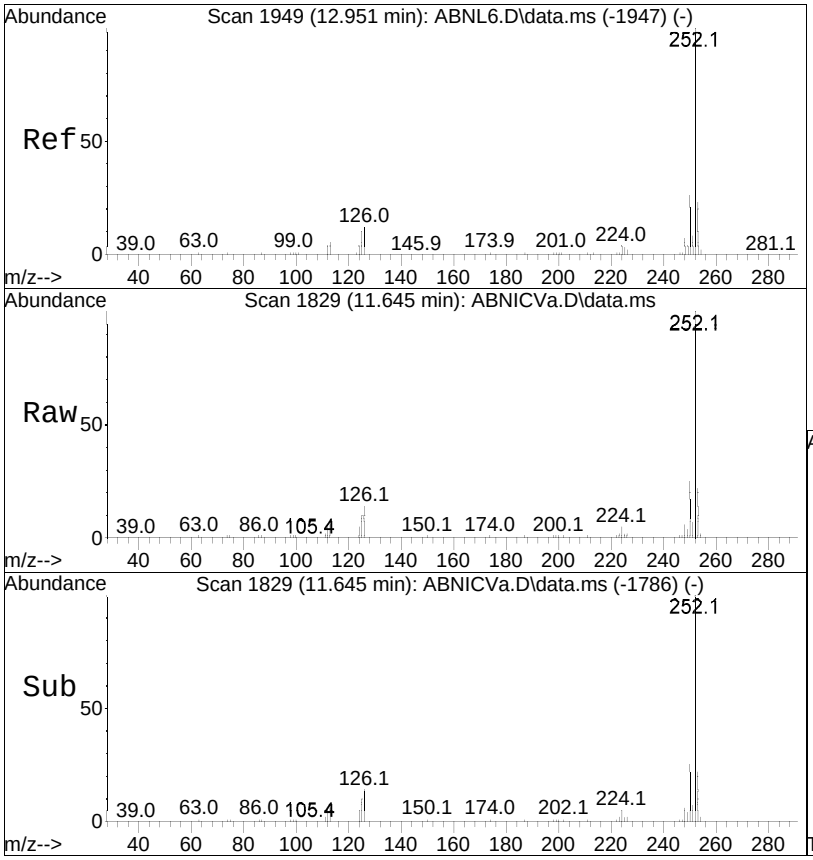


#110
Benzo(b)fluoranthene
Concen: 4.82 ug/ml
RT: 11.616 min Scan# 1824
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:252 Resp: 201922

Ion	Ratio	Lower	Upper
252	100		
125	11.0	11.3	16.9#
253	22.3	17.8	26.8

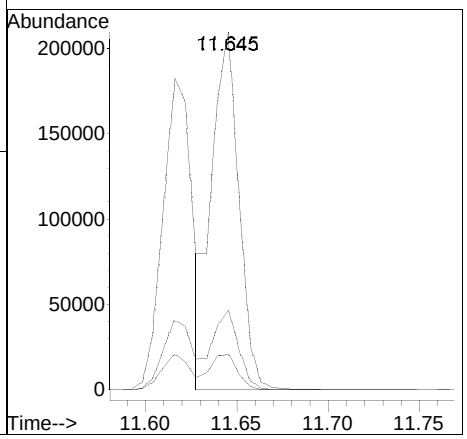


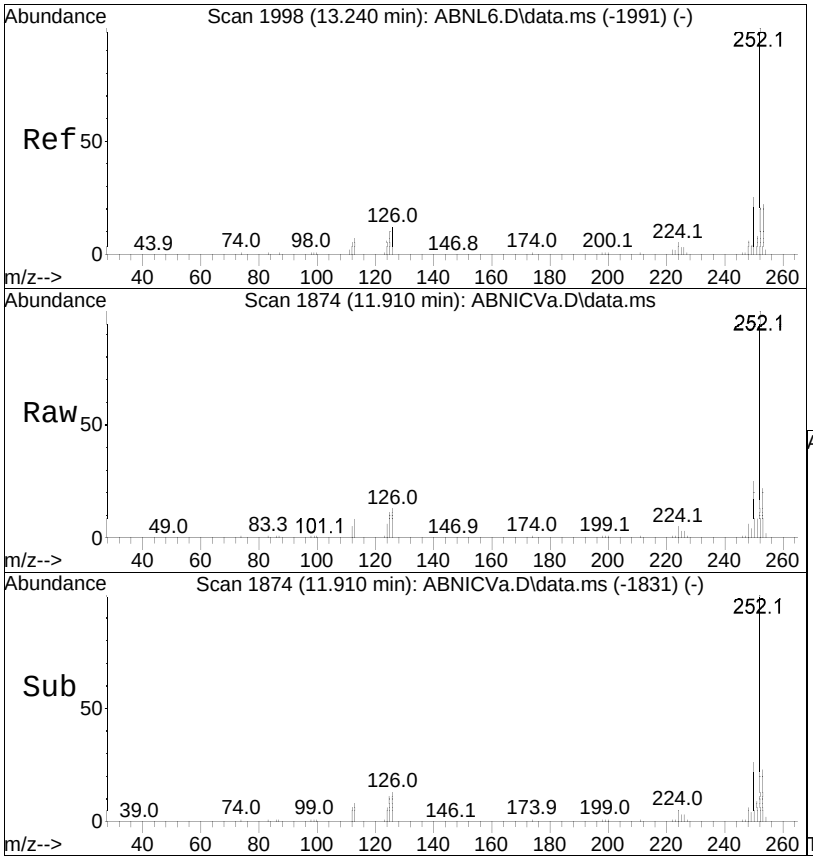


#111
Benzo(k)fluoranthene
Concen: 5.29 ug/ml M3
RT: 11.645 min Scan# 1829
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:252 Resp: 216045

Ion	Ratio	Lower	Upper
252	100		
125	10.3	11.5	17.3#
253	20.9	17.6	26.4

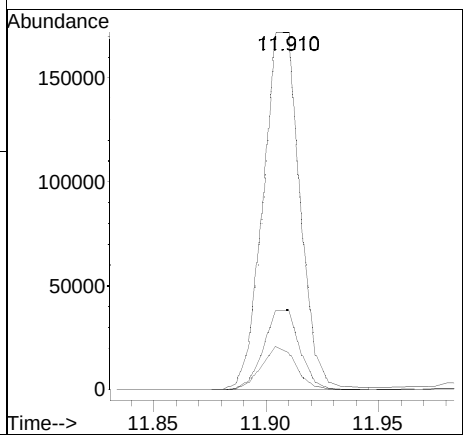


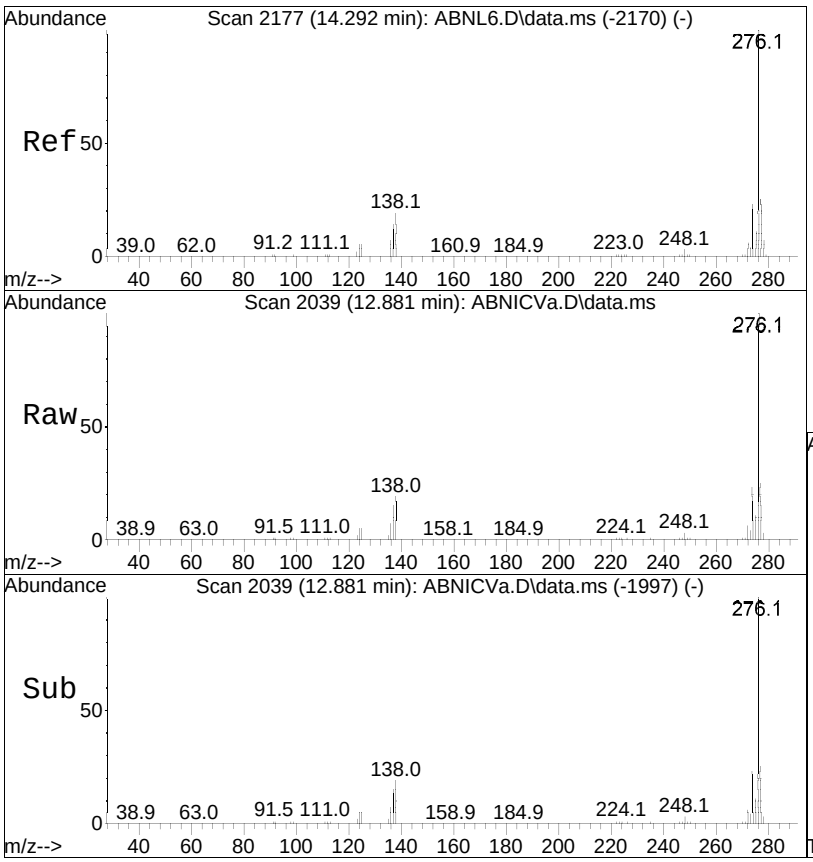


#112
Benzo(a)pyrene
Concen: 5.01 ug/ml
RT: 11.910 min Scan# 1874
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:252 Resp: 194293

Ion	Ratio	Lower	Upper
252	100		
125	11.6	12.6	18.8#
253	22.0	17.5	26.3

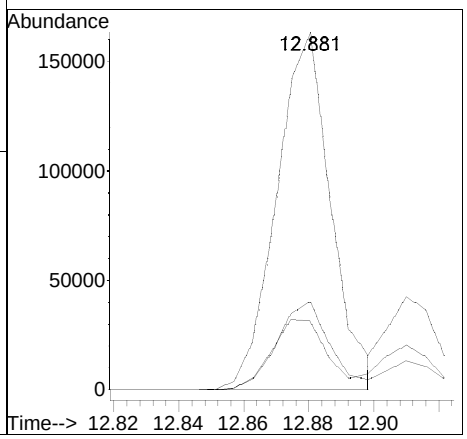


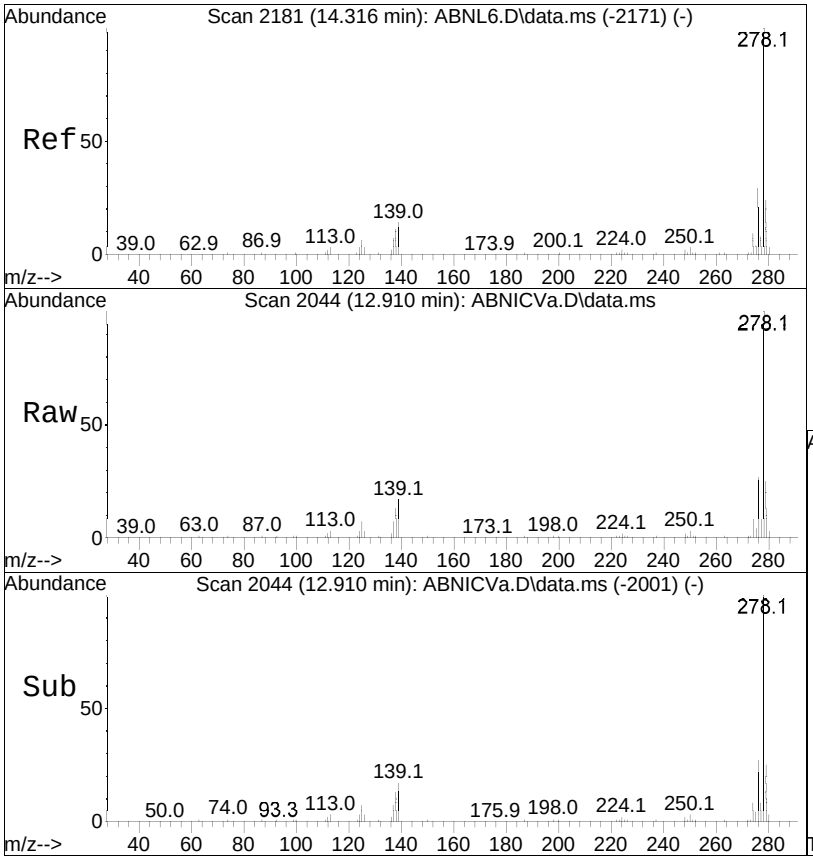


#114
Indeno(1,2,3-cd)pyrene
Concen: 4.91 ug/mL M3
RT: 12.881 min Scan# 2039
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:276 Resp: 188653

Ion	Ratio	Lower	Upper
276	100		
138	23.3	22.1	33.1
277	23.8	19.0	28.6

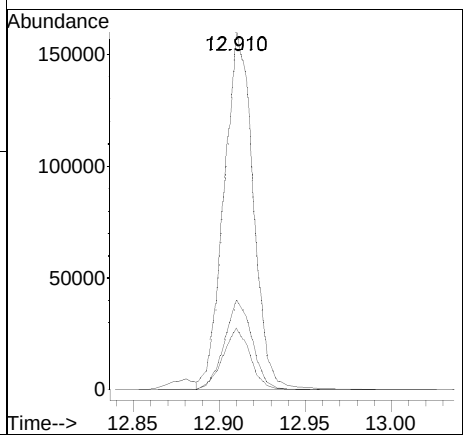


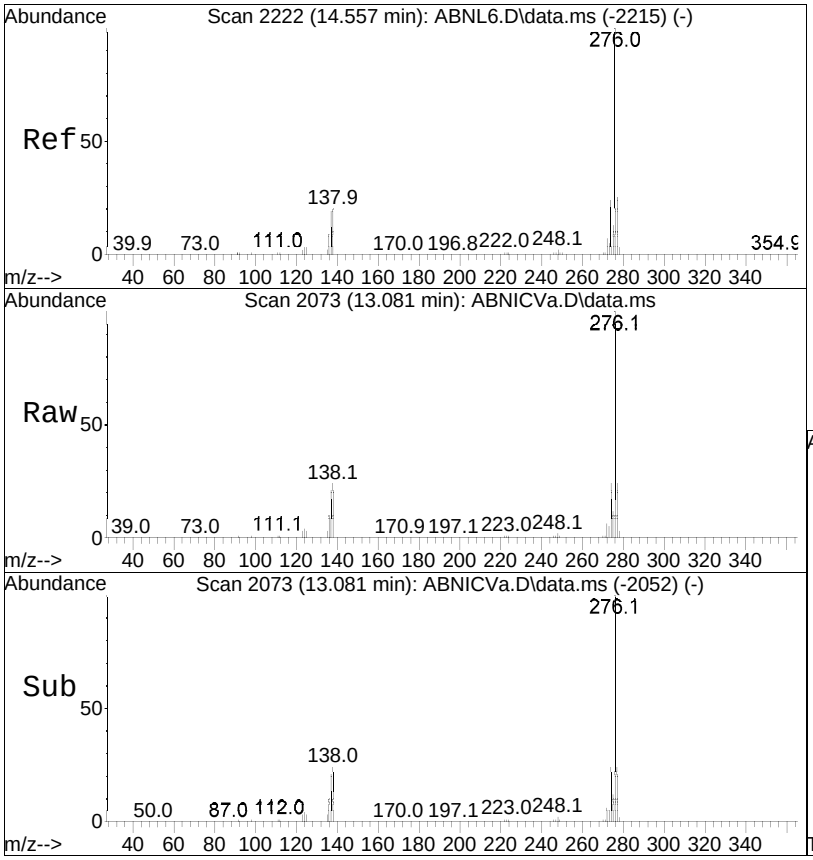


#115
Dibenzo(a,h)anthracene
Concen: 5.07 ug/ml M6
RT: 12.910 min Scan# 2044
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:278 Resp: 187733

Ion	Ratio	Lower	Upper
278	100		
139	16.5	17.8	26.8#
279	24.3	19.2	28.8

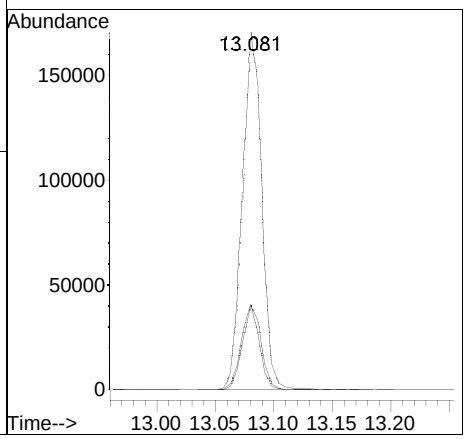




#116
Benzo(ghi)perylene
Concen: 5.04 ug/ml
RT: 13.081 min Scan# 2073
Delta R.T. -0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

Tgt Ion:276 Resp: 193704

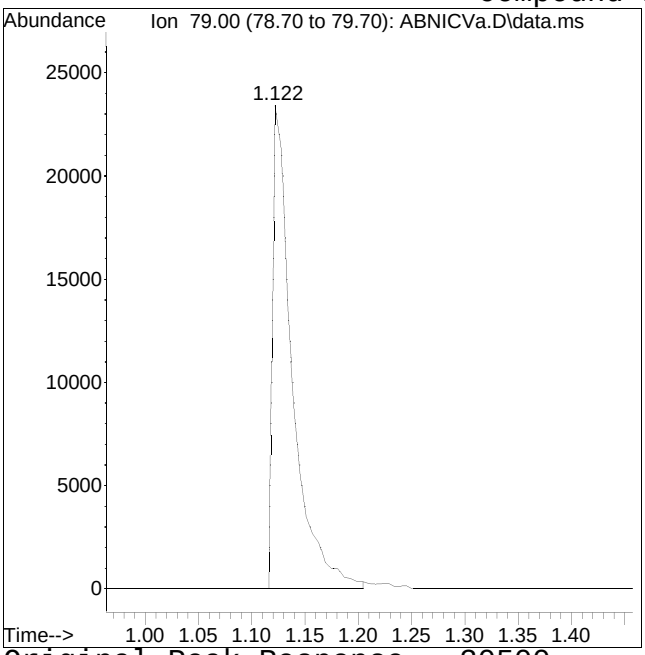
Ion	Ratio	Lower	Upper
276	100		
138	22.8	21.9	32.9
277	23.3	18.4	27.6



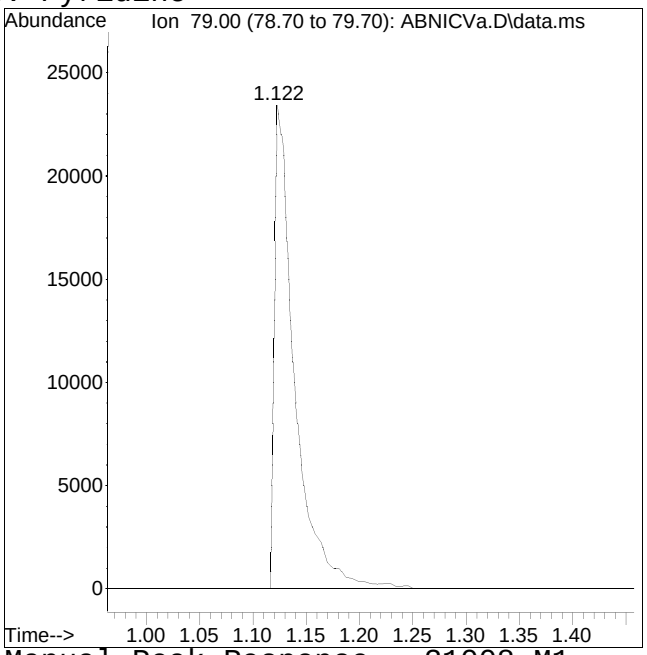
Manual Integration Report

Data Path : I:\8270\SV112\250817RV
Data File : ABNICVa.D
Date Inj'd : 8/18/2025 6:27 am
Sample : CQICV,32,,ABNICV Lot# 1188
TicaQMethod : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 9:12 am

Compound #3: Pyridine



Original Peak Response = 30500



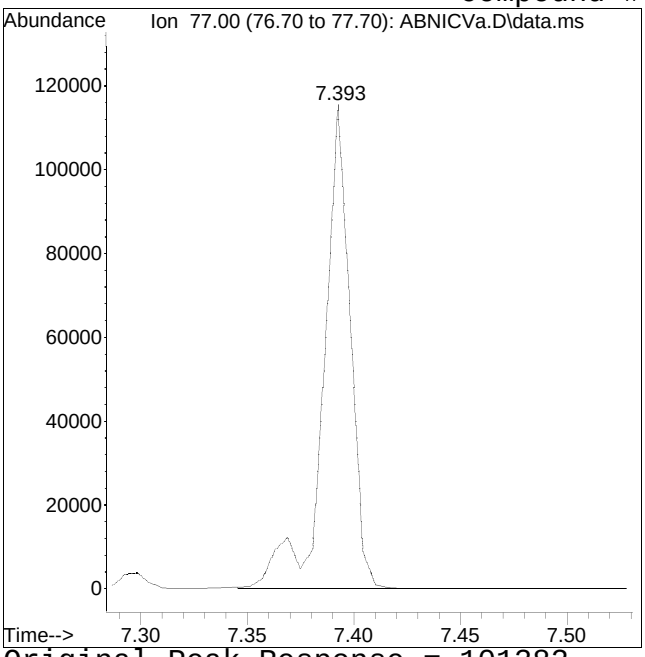
Manual Peak Response = 31008 M1

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

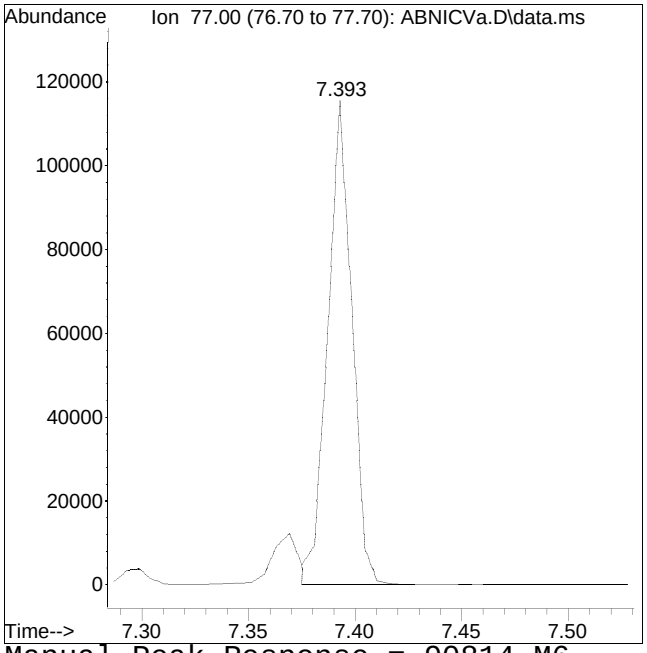
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNICVa.D Operator : SV112:slr
Date Inj'd : 8/18/2025 6:27 am Instrument : SV112
Sample : CQICV,32,,ABNICV Lot# 1188Quant Date : 8/18/2025 9:12 am

Compound #78: Azobenzene



Original Peak Response = 101382



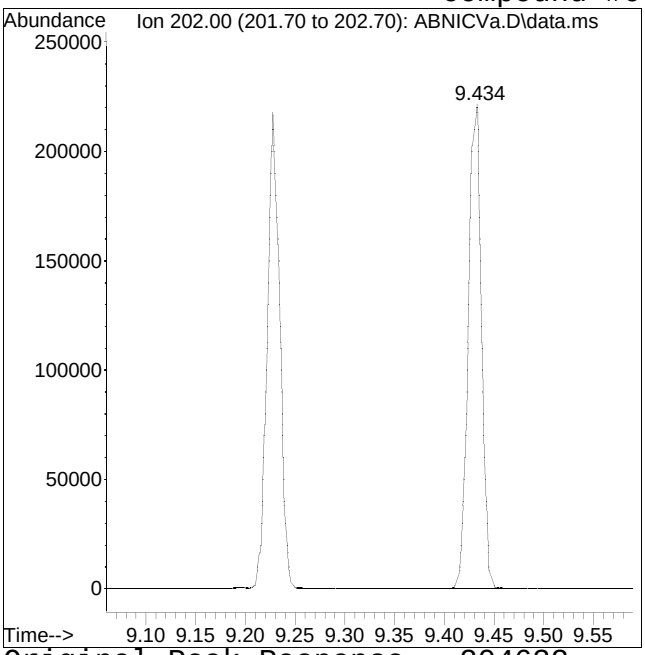
Manual Peak Response = 90814 M6

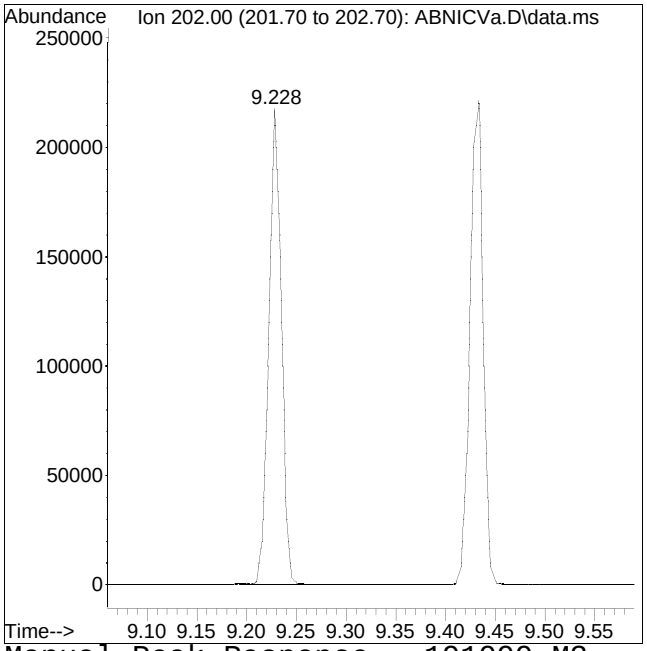
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNICVa.D Operator : SV112:slr
Date Inj'd : 8/18/2025 6:27 am Instrument : SV112
Sample : CQICV,32,,ABNICV Lot# 1188Quant Date : 8/18/2025 9:12 am

Compound #93: Fluoranthene





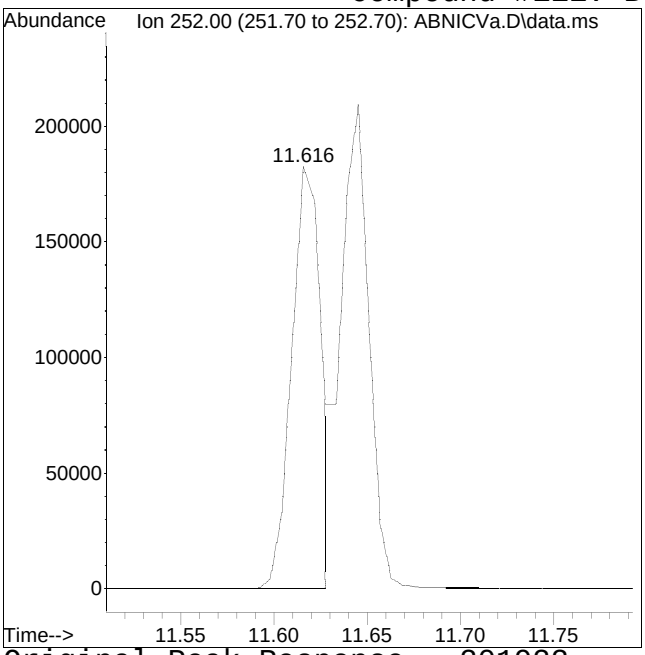
Original Peak Response = 204632 Manual Peak Response = 191999 M3

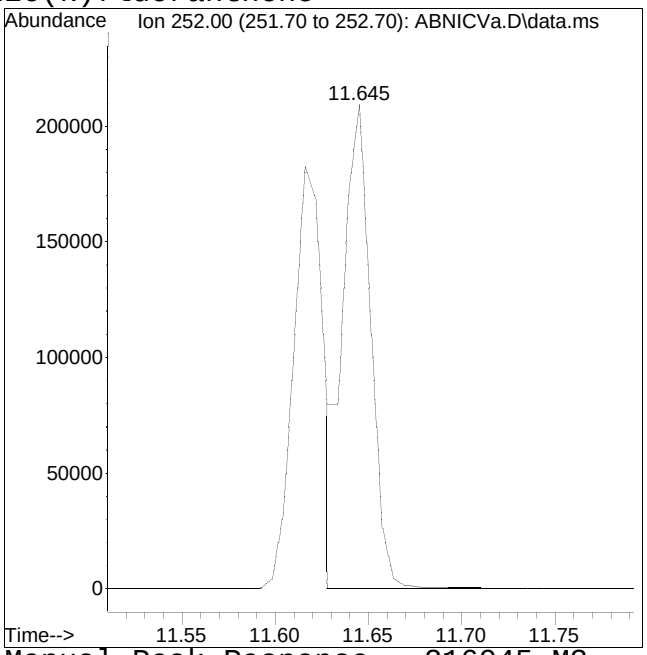
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNICVa.D Operator : SV112:slr
Date Inj'd : 8/18/2025 6:27 am Instrument : SV112
Sample : CQICV,32,,ABNICV Lot# 1188Quant Date : 8/18/2025 9:12 am

Compound #111: Benzo(k)fluoranthene





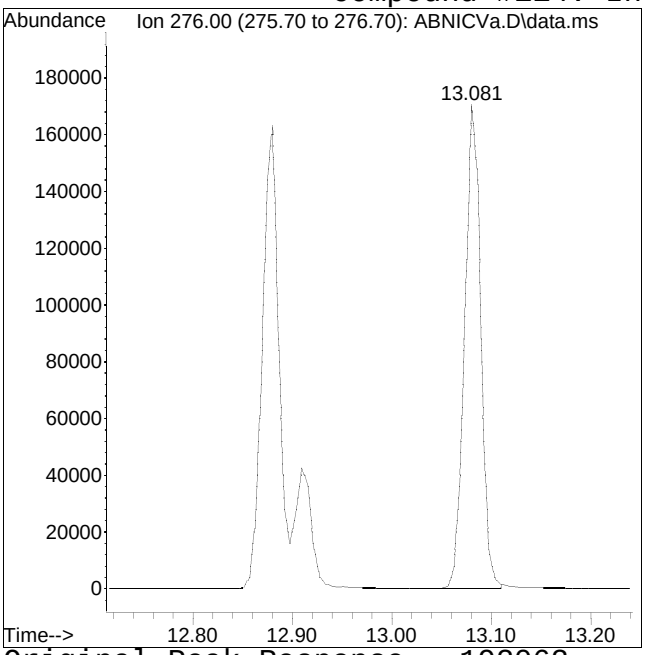
Original Peak Response = 201922 Manual Peak Response = 216045 M3

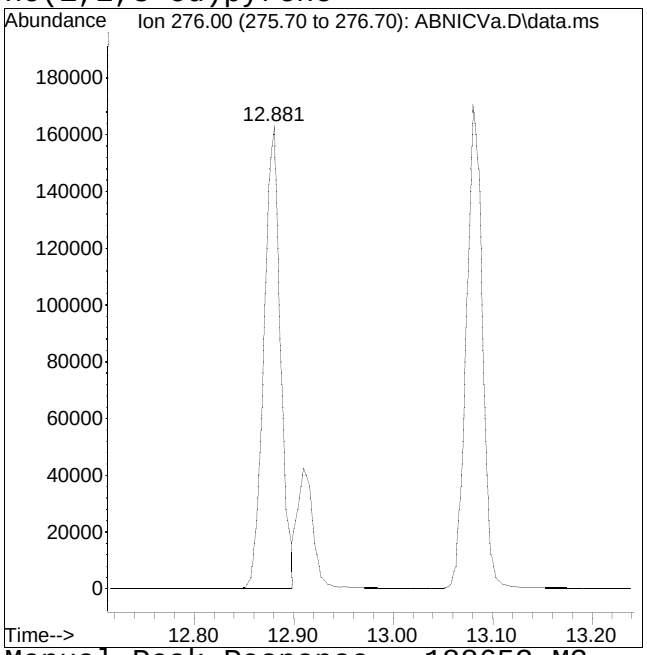
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNICVa.D Operator : SV112:slr
Date Inj'd : 8/18/2025 6:27 am Instrument : SV112
Sample : CQICV,32,,ABNICV Lot# 1188Quant Date : 8/18/2025 9:12 am

Compound #114: Indeno(1,2,3-cd)pyrene





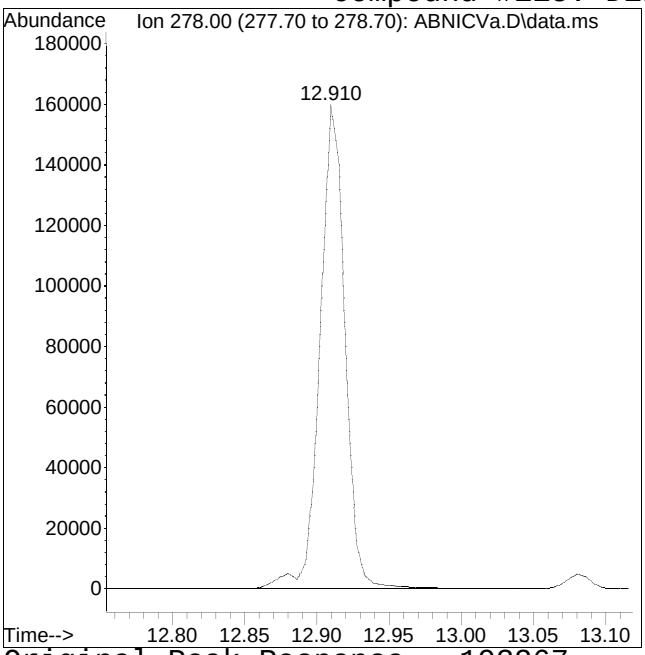
Original Peak Response = 192062 Manual Peak Response = 188653 M3

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

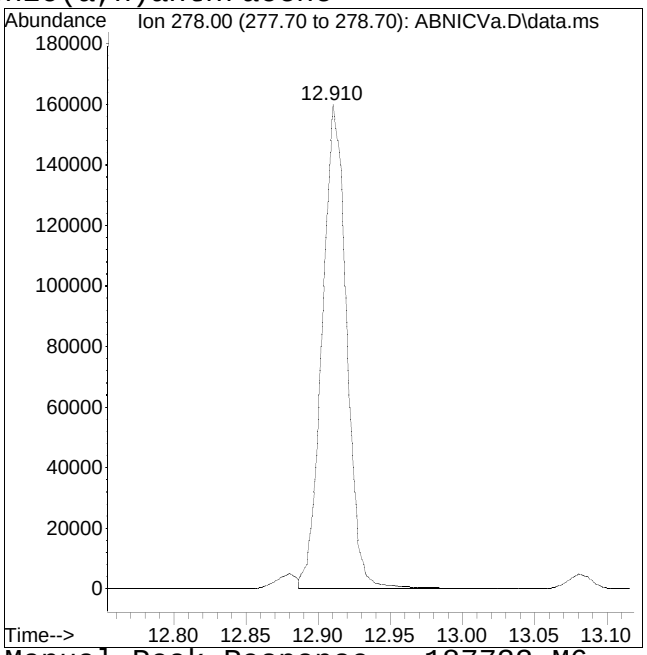
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : ABNICVa.D Operator : SV112:slr
Date Inj'd : 8/18/2025 6:27 am Instrument : SV112
Sample : CQICV,32,,ABNICV Lot# 1188Quant Date : 8/18/2025 9:12 am

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 193267



Manual Peak Response = 187733 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Relative Error Report SV112

Method Path : I:\8270\SV112\250817RVTical\
Method File : FS250817SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Aug 18 06:54:37 2025

		COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
5	T	Aniline	L	ug/ml	5.0	4.974	-0.5	0.10	0.139	39.0
22	T	2-Nitrophenol	L	ug/ml	5.0	4.654	-6.9	0.50	0.625	25.0
37	T	Benzoic Acid	L	ug/ml	5.0	4.846	-3.1	2.50	2.506	0.2
43	T	Hexachlorocyclopentadiene	L	ug/ml	5.0	4.943	-1.1	1.00	1.091	9.1
44	T	2,4,6-Trichlorophenol	L	ug/ml	5.0	4.836	-3.3	0.20	0.287	43.5
45	T	2,4,5-Trichlorophenol	L	ug/ml	5.0	5.193	3.9	0.50	0.553	10.6
48	T	2-Nitroaniline	L	ug/ml	5.0	4.648	-7.0	0.50	0.616	23.2
53	T	2,6-Dinitrotoluene	L	ug/ml	5.0	4.872	-2.6	0.50	0.624	24.8
64	T	3-Nitroaniline	L	ug/ml	5.0	4.917	-1.7	0.50	0.574	14.8
66	T	2,4-Dinitrophenol	L	ug/ml	5.0	4.732	-5.4	1.00	1.141	14.1
68	T	2,4-Dinitrotoluene	L	ug/ml	5.0	4.907	-1.9	0.50	0.584	16.8
69	T	4-Nitrophenol	L	ug/ml	5.0	5.181	3.6	0.50	0.553	10.6
70	T	2,3,5,6-Tetrachlorophenol	L	ug/ml	5.0	4.942	-1.2	0.50	0.529	5.8
71	T	2,3,4,6-Tetrachlorophenol	L	ug/ml	5.0	5.099	2.0	0.50	0.451	-9.8
75	T	4-Nitroaniline	L	ug/ml	5.0	5.008	0.2	0.50	0.545	9.0
76	T	4,6-Dinitro-o-cresol	L	ug/ml	5.0	4.800	-4.0	1.00	1.062	6.2
82	T	Pentachlorophenol	L	ug/ml	5.0	4.795	-4.1	1.00	1.084	8.4
94	T	Benzidine	L	ug/ml	5.0	5.246	4.9	1.00	0.812	-18.8
97	T	Butyl benzyl phthalate	L	ug/ml	5.0	4.942	-1.2	0.50	0.548	9.6
108	T	Bis(2-ethylhexyl)phthalate	L	ug/ml	5.0	5.102	2.0	0.20	0.259	29.5
109	T	Di-n-octylphthalate	Q	ug/ml	5.0	4.725	-5.5	0.50	0.622	24.4

Calibration Correlation Report

		COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
5	T	Aniline	Linear	0.997553	0.000000	2.29872	-0.0460769
22	T	2-Nitrophenol	Linear	0.997355	0.000000	0.823369	-0.0711344
37	T	Benzoic Acid	Linear	0.999479	0.000000	0.328005	-0.119385
43	T	Hexachlorocyclopentadiene	Linear	0.998337	0.000000	0.3731	-0.0456281
44	T	2,4,6-Trichlorophenol	Linear	0.997070	0.000000	0.326533	-0.0137697
45	T	2,4,5-Trichlorophenol	Linear	0.997835	0.000000	0.347771	-0.0203733
48	T	2-Nitroaniline	Linear	0.997826	0.000000	0.279285	-0.0232673
53	T	2,6-Dinitrotoluene	Linear	0.998623	0.000000	0.244491	-0.0201645
64	T	3-Nitroaniline	Linear	0.997679	0.000000	0.386326	-0.0276163
66	T	2,4-Dinitrophenol	Linear	0.998095	0.000000	0.223872	-0.0464734
68	T	2,4-Dinitrotoluene	Linear	0.997353	0.000000	0.488048	-0.0348655
69	T	4-Nitrophenol	Linear	0.995734	0.000000	0.328494	-0.0244119
70	T	2,3,5,6-Tetrachlorophenol	Linear	0.999530	0.000000	0.484057	-0.0301522
71	T	2,3,4,6-Tetrachlorophenol	Linear	0.999490	0.000000	0.471551	-0.0192829
75	T	4-Nitroaniline	Linear	0.997571	0.000000	0.378154	-0.0240181
76	T	4,6-Dinitro-o-cresol	Linear	0.999187	0.000000	0.30817	-0.0442983
82	T	Pentachlorophenol	Linear	0.998539	0.000000	0.429297	-0.0717335
94	T	Benzidine	Linear	0.991765	0.000000	0.894478	-0.0468762
97	T	Butyl benzyl phthalate	Linear	0.996100	0.000000	0.614995	-0.035877
108	T	Bis(2-ethylhexyl)phthalate	Linear	0.994245	0.000000	0.838607	-0.0262394
109	T	Di-n-octylphthalate	Quadratic	0.996226	-0.031217	1.62804	-0.148322

Response Factor Report SV 106

Method Path : I:\8270\SV106\250827ICAL\
Method File : FS250827SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Aug 28 09:56:36 2025
Response Via : Initial Calibration

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	t	n-Nitrosodimet...	0.625	0.627	0.648	0.651	0.662	0.669	0.715	0.683	0.660	0.660	4.21
3)	t	Pyridine	0.909	1.005	1.085	1.116	1.207	1.184	1.274	1.222	1.175	1.131	10.23
4)	S	2-Fluorophenol	1.000	1.021	1.001	1.070	1.147	1.150	1.218	1.194	1.153	1.106	7.64
5)	T	Aniline		1.318	1.579	1.766	1.790	1.829	1.917	1.896	1.813	1.738	11.43
6)	t	2-Chlorophenol	1.232	1.140	1.249	1.321	1.367	1.380	1.482	1.442	1.373	1.332	8.13
7)	S	Phenol-d6	1.128	1.235	1.291	1.274	1.342	1.353	1.455	1.430	1.353	1.318	7.59
8)	T	Phenol	1.253	1.337	1.402	1.430	1.476	1.460	1.589	1.553	1.468	1.441	7.13
9)	T	Bis(2-chloroet...	1.077	1.056	1.154	1.160	1.155	1.153	1.227	1.183	1.121	1.143	4.55
10)	T	1,3-Dichlorobe...	1.521	1.666	1.599	1.571	1.592	1.611	1.692	1.614	1.518	1.598	3.63
11)	T	1,4-Dichlorobe...	1.660	1.531	1.676	1.616	1.654	1.635	1.727	1.648	1.559	1.634	3.64
12)	T	1,2-Dichlorobe...	1.556	1.602	1.607	1.539	1.587	1.562	1.633	1.575	1.485	1.572	2.77
13)	t	Benzyl alcohol	0.792	0.919	0.907	0.939	0.980	0.980	1.073	1.070	1.019	0.964	9.14
14)	T	Bis(2-chlorois...	1.869	1.814	1.874	1.874	1.902	1.873	1.957	1.896	1.742	1.867	3.22
15)	T	2-Methylphenol	1.023	0.916	1.081	1.090	1.106	1.134	1.226	1.217	1.144	1.104	8.65
16)	T	Hexachloroethane	0.491	0.596	0.593	0.604	0.625	0.620	0.655	0.633	0.599	0.602	7.69
17)	T	n-Nitrosodi-n-...	0.714	0.726	0.703	0.805	0.843	0.844	0.919	0.917	0.860	0.815	10.23
18)	T	3-Methylphenol...	1.201	1.077	1.095	1.170	1.213	1.221	1.339	1.305	1.239	1.207	7.12
19)	S	Nitrobenzene-d5	1.107	1.084	1.149	1.192	1.243	1.261	1.360	1.357	1.283	1.226	8.22
20)	T	Nitrobenzene	1.114	1.129	1.225	1.204	1.290	1.306	1.392	1.390	1.292	1.260	8.00
21)	T	Isophorone	2.034	2.084	2.111	2.177	2.333	2.360	2.577	2.576	2.409	2.296	8.95
22)	T	2-Nitrophenol		0.493	0.534	0.535	0.635	0.665	0.749	0.776	0.734	0.640	17.12
23)	T	2,4-Dimethylph...	1.142	1.150	1.117	1.218	1.288	1.344	1.427	1.417	1.337	1.271	9.35
24)	T	Bis(2-chloroet...	1.391	1.497	1.492	1.513	1.613	1.560	1.658	1.651	1.542	1.546	5.54
25)	T	2,4-Dichloroph...	0.989	0.948	1.054	1.135	1.212	1.232	1.357	1.341	1.259	1.170	12.63
26)	T	1,2,4-Trichlor...	1.342	1.329	1.312	1.380	1.396	1.375	1.462	1.429	1.342	1.374	3.58
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	0.678	0.660	0.659	0.656	0.650	0.634	0.633	0.613	0.622	0.645	3.22
29)	T	Acetophenone	1.895	1.931	2.072	1.849	1.891	1.873	1.878	1.853	1.903	1.905	3.56

Response Factor Report SV 106

Method Path : I:\8270\SV106\250827ICAL\
Method File : FS250827SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Aug 28 09:56:36 2025
Response Via : Initial Calibration

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
30)	T	m-Toluidine		0.747	0.912	1.162	1.209	1.261	1.257	1.311	1.123	18.79	
31)	T	2-Chloroaniline	1.668	1.617	1.753	1.641	1.748	1.750	1.800	1.743	1.792	1.724	3.80
32)	I	IS3_1,4-Dichlorobenzene-d4	----------	ISTD	----------								
33)	t	1,4-Dioxane		0.606	0.475	0.495	0.460	0.452	0.426	0.458	0.442	0.477	11.74
34)	T	n-Decane	1.451	1.569	1.484	1.428	1.409	1.421	1.366	1.489	1.426	1.449	4.05
35)	I	IS1_Naphthalene-d8	----------	ISTD	----------								
36)	T	Naphthalene	1.082	1.113	1.085	1.081	1.083	1.076	1.119	1.089	1.010	1.082	2.84
37)	T	Benzoic Acid			0.132	0.162	0.197	0.245	0.274	0.268	*L		0.9972
38)	T	4-Chloroaniline	0.100	0.096	0.113	0.122	0.122	0.122	0.129	0.128	0.121	0.117	10.11
39)	T	Hexachlorobuta...	0.178	0.207	0.203	0.198	0.202	0.201	0.213	0.205	0.196	0.200	4.85
40)	T	p-Chloro-m-cresol	0.278	0.248	0.266	0.255	0.285	0.289	0.317	0.317	0.301	0.284	8.87
41)	T	2-Methylnaphth...	0.673	0.640	0.606	0.630	0.633	0.634	0.677	0.662	0.612	0.641	3.92
42)	T	1-Methylnaphth...	0.209	0.233	0.228	0.220	0.232	0.224	0.241	0.235	0.224	0.227	4.09
43)	T	Hexachlorocycl...	0.242	0.230	0.231	0.250	0.256	0.258	0.276	0.278	0.265	0.254	6.84
44)	T	2,4,6-Trichlor...	0.160	0.165	0.197	0.211	0.216	0.228	0.249	0.254	0.240	0.213	16.00
45)	T	2,4,5-Trichlor...	0.224	0.200	0.197	0.220	0.247	0.252	0.276	0.277	0.261	0.239	12.74
46)	S	2-Fluorobiphenyl	0.843	0.835	0.796	0.808	0.825	0.808	0.857	0.835	0.777	0.821	3.09
47)	T	2-Chloronaphth...	0.695	0.743	0.714	0.725	0.725	0.722	0.766	0.751	0.700	0.727	3.20
48)	T	2-Nitroaniline	0.155	0.161	0.170	0.187	0.207	0.224	0.249	0.258	0.243	0.206	19.20
49)	T	1,4-Dinitroben...		0.071	0.072	0.090	0.096	0.102	0.113	0.119	0.114	0.097	19.22
50)	T	1,3-Dinitroben...		0.090	0.089	0.091	0.109	0.120	0.132	0.136	0.127	0.112	17.57
51)	T	Dimethyl phtha...	0.834	0.825	0.786	0.845	0.862	0.868	0.935	0.910	0.847	0.857	5.21
52)	T	Acenaphthylene	1.111	1.063	1.083	1.141	1.192	1.213	1.286	1.264	1.177	1.170	6.61
53)	T	2,6-Dinitrotol...		0.131	0.132	0.153	0.171	0.176	0.195	0.194	0.185	0.167	15.47
54)	T	1,2-Dinitroben...		0.054	0.054	0.069	0.076	0.079	0.085	0.084	0.081	0.073	17.37
55)	I	IS2_Naphthalene-d8	----------	ISTD	----------								
56)	T	a-Terpineol	0.261	0.270	0.259	0.260	0.264	0.266	0.275	0.275	0.273	0.267	2.41
57)	T	3-Chloroaniline		0.102	0.112	0.111	0.120	0.122	0.118	0.115	0.115	0.114	5.48

Response Factor Report SV 106

Method Path : I:\8270\SV106\250827ICAL\
Method File : FS250827SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Aug 28 09:56:36 2025
Response Via : Initial Calibration

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
58)	T	2,6-Dichloroph...	0.275	0.262	0.282	0.257	0.283	0.289	0.305	0.307	0.308	0.285	6.59
59)	T	1-chloro-2-nit...	0.117	0.121	0.131	0.138	0.137	0.136	0.144	0.144	0.145	0.135	7.49
60)	T	Caprolactam		0.113	0.120	0.124	0.145	0.148	0.156	0.161	0.166	0.142	14.18
61)	T	1,2,4,5-Tetrac...	0.390	0.417	0.395	0.364	0.366	0.364	0.360	0.353	0.350	0.373	5.99
62)	T	Biphenyl	1.080	0.960	0.943	0.906	0.928	0.905	0.900	0.882	0.874	0.931	6.70
63)	I	IS1_Acenaphthene-d10	----------	ISTD	----------								
64)	T	3-Nitroaniline		0.272	0.286	0.317	0.357	0.365	0.383	0.386	0.367	0.342	12.90
65)	T	Acenaphthene	1.251	1.111	1.104	1.139	1.138	1.119	1.152	1.133	1.074	1.136	4.34
66)	T	2,4-Dinitrophenol				0.125	0.138	0.158	0.179	0.199	0.195	0.166	18.30
67)	T	Dibenzofuran	1.914	1.931	1.798	1.861	1.847	1.817	1.873	1.835	1.721	1.844	3.41
68)	T	2,4-Dinitrotol...	0.312	0.303	0.330	0.348	0.401	0.426	0.452	0.456	0.433	0.385	15.99
69)	T	4-Nitrophenol	0.249	0.176	0.215	0.220	0.236	0.250	0.263	0.267	0.266	0.238	12.64
70)	T	2,3,5,6-Tetrac...		0.235	0.281	0.315	0.354	0.368	0.387	0.397	0.381	0.340	16.92
71)	T	2,3,4,6-Tetrac...	0.252	0.230	0.304	0.319	0.358	0.367	0.389	0.381	0.369	0.330	17.50
72)	T	Diethyl phthalate	1.608	1.488	1.406	1.471	1.517	1.532	1.572	1.566	1.487	1.516	4.05
73)	T	Fluorene	1.576	1.453	1.402	1.417	1.466	1.422	1.473	1.447	1.367	1.447	4.06
74)	T	4-Chlorophenyl...	0.763	0.666	0.677	0.690	0.698	0.684	0.694	0.681	0.643	0.688	4.70
75)	T	4-Nitroaniline	0.279	0.294	0.280	0.322	0.348	0.367	0.392	0.384	0.367	0.337	13.14
76)	T	4,6-Dinitro-o-...			0.148	0.176	0.201	0.219	0.245	0.257	0.251	0.214	19.28
77)	T	NDPA/DPA	1.240	1.142	1.119	1.214	1.236	1.236	1.279	1.243	1.176	1.209	4.35
78)	T	Azobenzene	1.256	1.163	1.201	1.253	1.325	1.316	1.341	1.328	1.264	1.272	4.84
79)	S	2,4,6-Tribromo...		0.152	0.174	0.186	0.197	0.200	0.210	0.220	0.212	0.194	11.57
80)	T	4-Bromophenyl ...	0.464	0.432	0.402	0.418	0.424	0.413	0.434	0.427	0.405	0.424	4.38
81)	T	Hexachlorobenzene	0.521	0.488	0.460	0.464	0.481	0.459	0.472	0.474	0.456	0.475	4.26
82)	T	Pentachlorophenol				0.197	0.249	0.276	0.310	0.324	0.323	0.280	17.94
83)	I	IS2_Acenaphthene-d10	----------	ISTD	----------								
84)	T	Dichloran	0.147	0.124	0.138	0.135	0.146	0.161	0.174	0.193	0.207	0.158	17.57
85)	T	Pentachloronit...		0.110	0.139	0.135	0.154	0.164	0.170	0.176	0.187	0.154	16.28

Response Factor Report SV 106

Method Path : I:\8270\SV106\250827ICAL\
Method File : FS250827SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Aug 28 09:56:36 2025
Response Via : Initial Calibration

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
86)	I	IS3_Acenaphthene-d10	----------ISTD----------										
87)	T	Atrazine	0.309	0.334	0.345	0.341	0.354	0.377	0.391	0.448	0.447	0.372	13.19
88)	I	IS1_Phenanthrene-d10	----------ISTD----------										
89)	T	Phenanthrene	1.371	1.263	1.179	1.178	1.164	1.168	1.218	1.175	1.104	1.202	6.34
90)	T	Anthracene	1.219	1.185	1.107	1.147	1.170	1.177	1.260	1.203	1.132	1.178	3.94
91)	T	Carbazole	1.003	1.023	1.026	1.069	1.101	1.117	1.192	1.136	1.064	1.081	5.65
92)	T	Di-n-butylphth...	1.166	1.108	1.070	1.167	1.264	1.333	1.456	1.451	1.377	1.266	11.52
93)	T	Fluoranthene	1.364	1.261	1.208	1.274	1.297	1.306	1.390	1.323	1.242	1.296	4.47
94)	T	Benzidine				0.599	0.757	0.837	0.945	0.946	0.905	0.831	16.22
95)	T	Pyrene	1.449	1.366	1.307	1.384	1.383	1.387	1.466	1.403	1.300	1.383	4.02
96)	S	4-Terphenyl-d14	1.126	0.947	0.937	0.957	0.963	0.957	1.026	0.994	0.935	0.982	6.21
97)	T	Butyl benzyl p...	0.449	0.408	0.431	0.458	0.519	0.563	0.643	0.660	0.630	0.529	18.59
98)	I	IS2_Phenanthrene-d10	----------ISTD----------										
99)	T	Diphenamid	0.451	0.409	0.439	0.457	0.505	0.514	0.532	0.532	0.543	0.487	9.95
100)	I	IS3_Phenanthrene-d10	----------ISTD----------										
101)	T	n-Octadecane	0.450	0.480	0.469	0.459	0.462	0.490	0.491	0.524	0.494	0.480	4.72
102)	T	Parathion				0.090	0.094	0.107	0.118	0.149	0.151	*L	0.9938
103)	T	3,3'-Dimethylb...					0.527	0.645	0.750	0.965	0.942	*L	0.9970
104)	I	IS1_Chrysene-d12	----------ISTD----------										
105)	T	Benzo(a)anthra...	1.511	1.315	1.289	1.310	1.335	1.318	1.412	1.375	1.277	1.349	5.47
106)	T	3,3'-Dichlorob...	0.387	0.381	0.410	0.441	0.484	0.495	0.538	0.538	0.505	0.464	13.26
107)	T	Chrysene	1.506	1.443	1.348	1.330	1.324	1.278	1.335	1.269	1.194	1.336	6.96
108)	T	Bis(2-ethylhex...	0.820	0.652	0.685	0.755	0.860	0.905	1.000	1.001	0.940	0.846	15.20
109)	T	Di-n-octylphth...			1.035	1.125	1.328	1.447	1.676	1.705	1.617	1.419	18.86
110)	T	Benzo(b)fluora...	1.294	1.242	1.272	1.269	1.271	1.242	1.362	1.307	1.239	1.278	3.09
111)	T	Benzo(k)fluora...	1.319	1.241	1.207	1.316	1.368	1.336	1.382	1.325	1.231	1.303	4.75
112)	T	Benzo(a)pyrene	1.127	1.076	1.125	1.215	1.230	1.227	1.313	1.264	1.197	1.197	6.26

Method Path : I:\8270\SV106\250827ICAL\
Method File : FS250827SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Aug 28 09:56:36 2025
Response Via : Initial Calibration

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

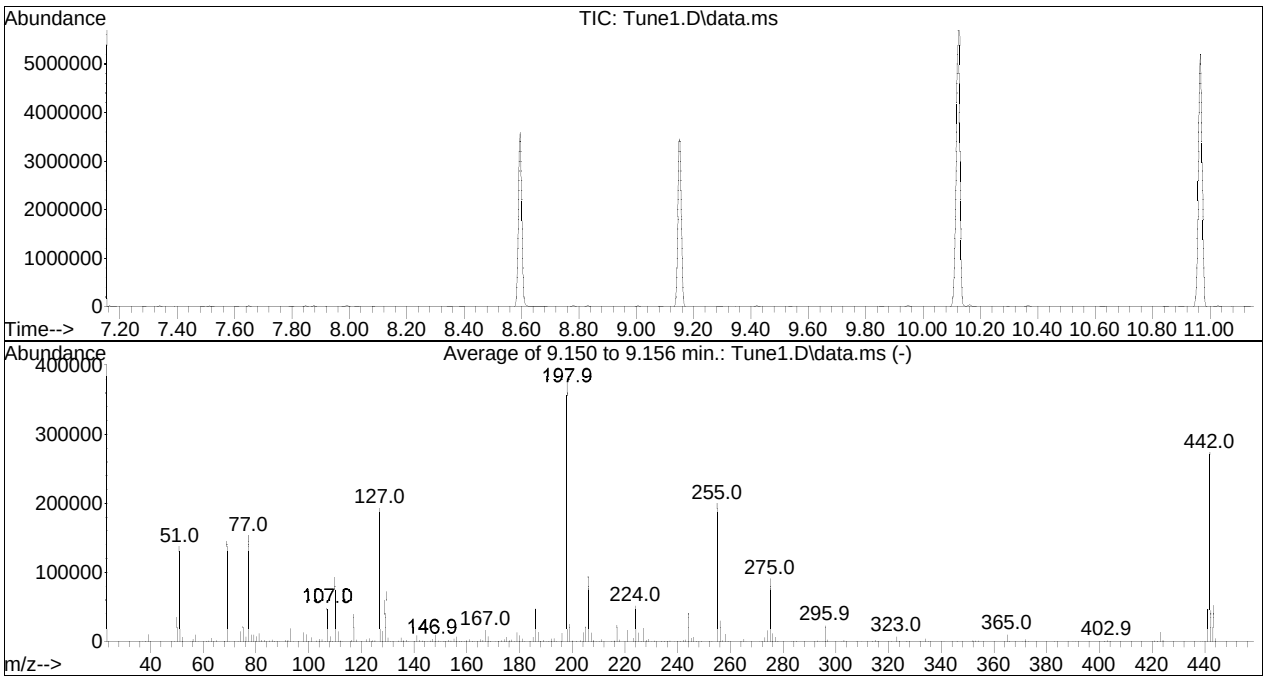
		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
113)	I	IS1_Perylene-d12	----------ISTD----------										
114)	T	Indeno(1,2,3-c...	1.099	0.994	0.991	1.063	1.102	1.150	1.260	1.277	1.329	1.141	10.81
115)	T	Dibenzo(a,h)an...	1.138	1.113	1.084	1.145	1.156	1.194	1.272	1.275	1.252	1.181	6.01
116)	T	Benzo(ghi)pery...	1.225	1.122	1.082	1.111	1.132	1.151	1.231	1.220	1.197	1.164	4.80

(#) = Out of Range

Data Path : I:\8270\SV106\250827ICAL\
Data File : Tune1.D
Acq On : 27 Aug 2025 7:04 pm
Operator : SV106:smz
Sample : Tune1 Lot# 11857
Misc : WG2108428,,
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Aug 28 09:56:36 2025



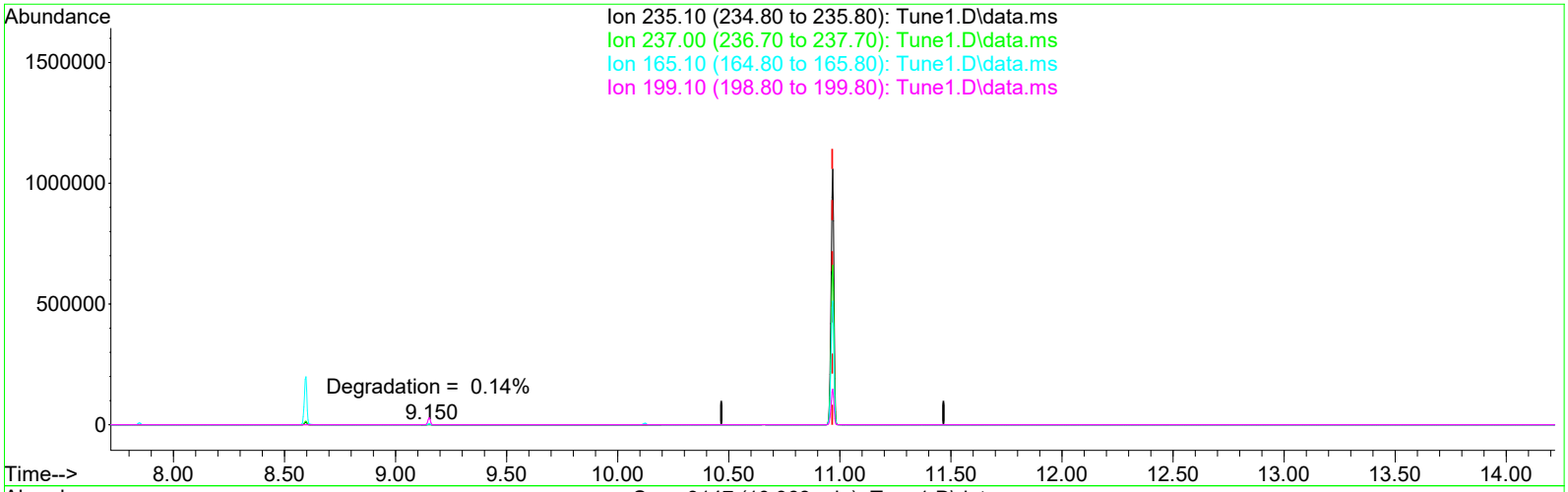
Spectrum Information: Average of 9.150 to 9.156 min.

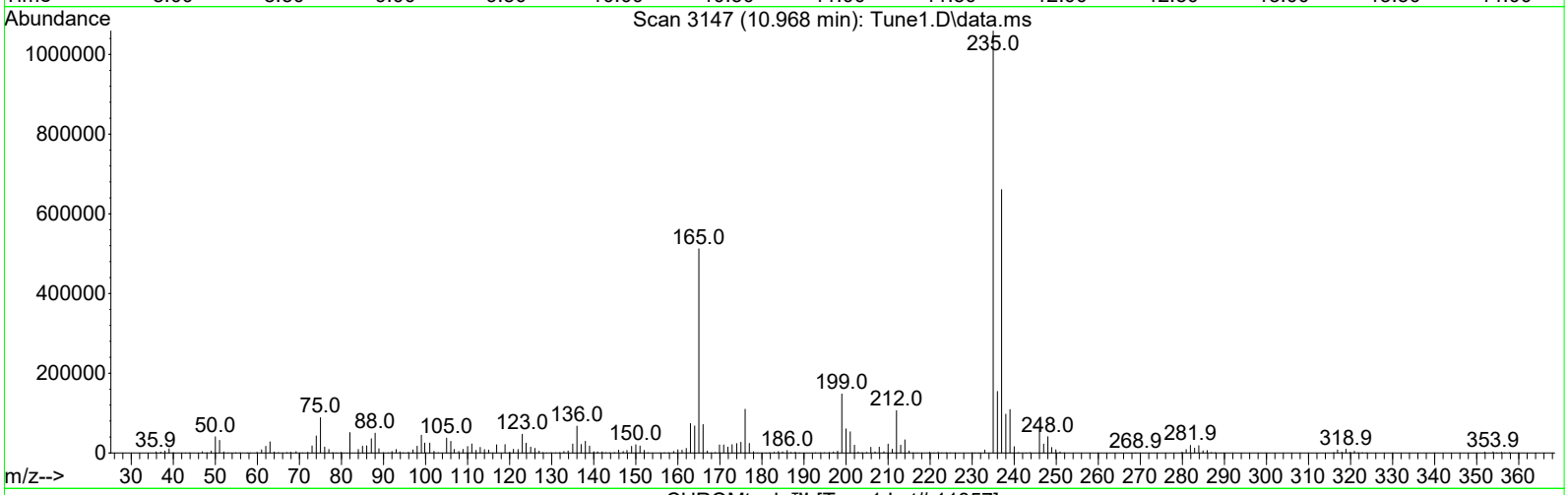
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.8	136925	PASS
68	69	0.00	2	1.0	1423	PASS
69	69	100	100	100.0	144555	PASS
70	69	0.00	2	0.5	760	PASS
127	198	10	80	50.5	193152	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	382400	PASS
199	198	5	9	6.6	25283	PASS
275	198	10	60	23.7	90456	PASS
365	198	1	100	2.6	9949	PASS
441	442	0.01	24	16.9	46181	PASS
442	198	50	100	71.6	273877	PASS
443	442	15	24	19.3	52861	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250827ICAL\
Data File : Tune1.D
Acq On : 27 Aug 2025 7:04 pm
Operator : SV106:smz
Sample : Tune1 Lot# 11857
Misc : WG2108428,,
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 28 05:28:58 2025
Quant Method : I:\8270\SV106\250827ICAL\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:29:49 2025
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot# 11857]

(6) DDT (T)

10.968min (0.000) 154.09

response 939307

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	64.08
165.10	44.50	49.64
199.10	14.80	14.12

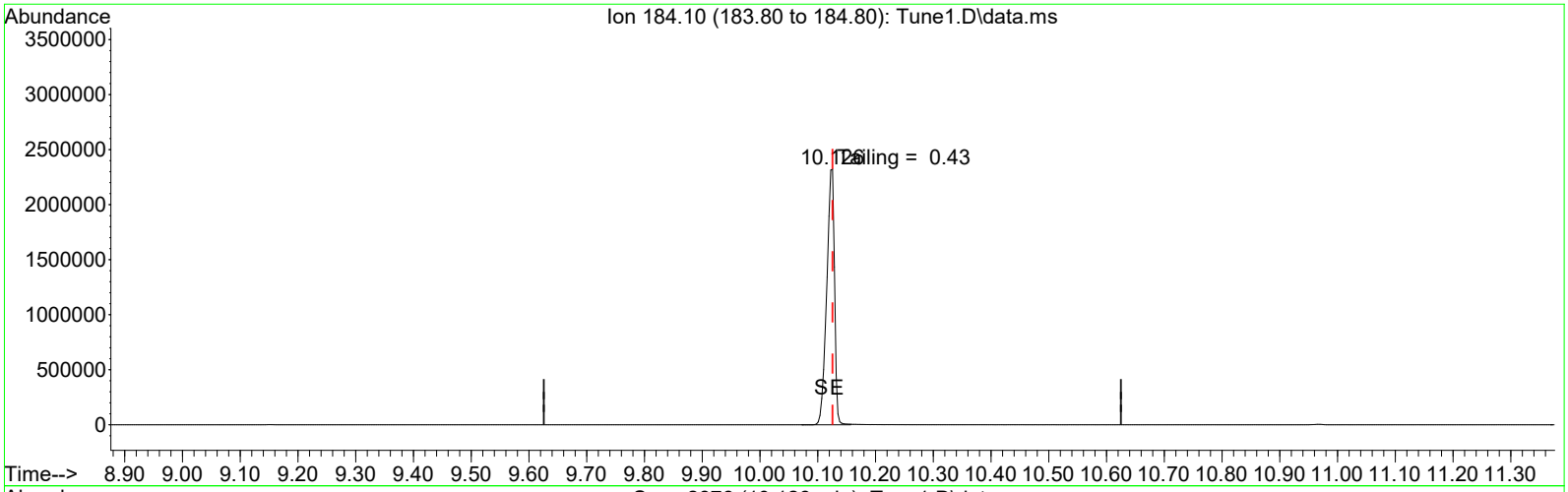
Duplicate Retention Times

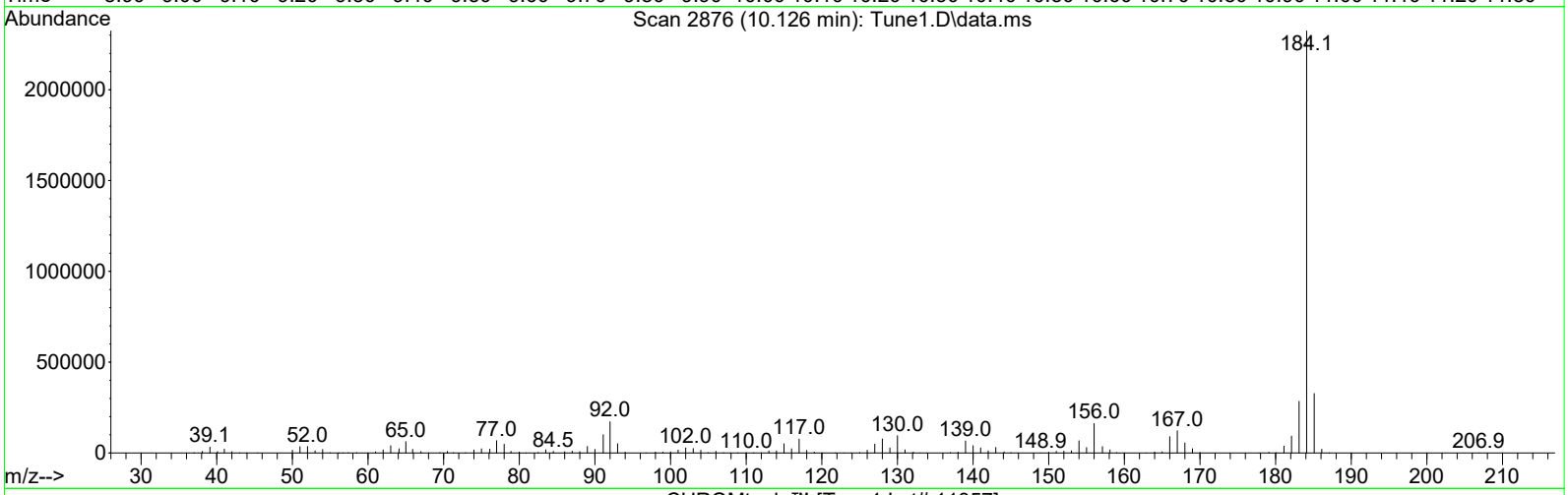
(2) DFTPP 198.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250827ICAL\
Data File : Tune1.D
Acq On : 27 Aug 2025 7:04 pm
Operator : SV106:smz
Sample : Tune1 Lot# 11857
Misc : WG2108428,,
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 28 05:28:58 2025
Quant Method : I:\8270\SV106\250827ICAL\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:29:49 2025
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot# 11857]

(3) Benzidine (T)

10.126min (-0.000) 214.72

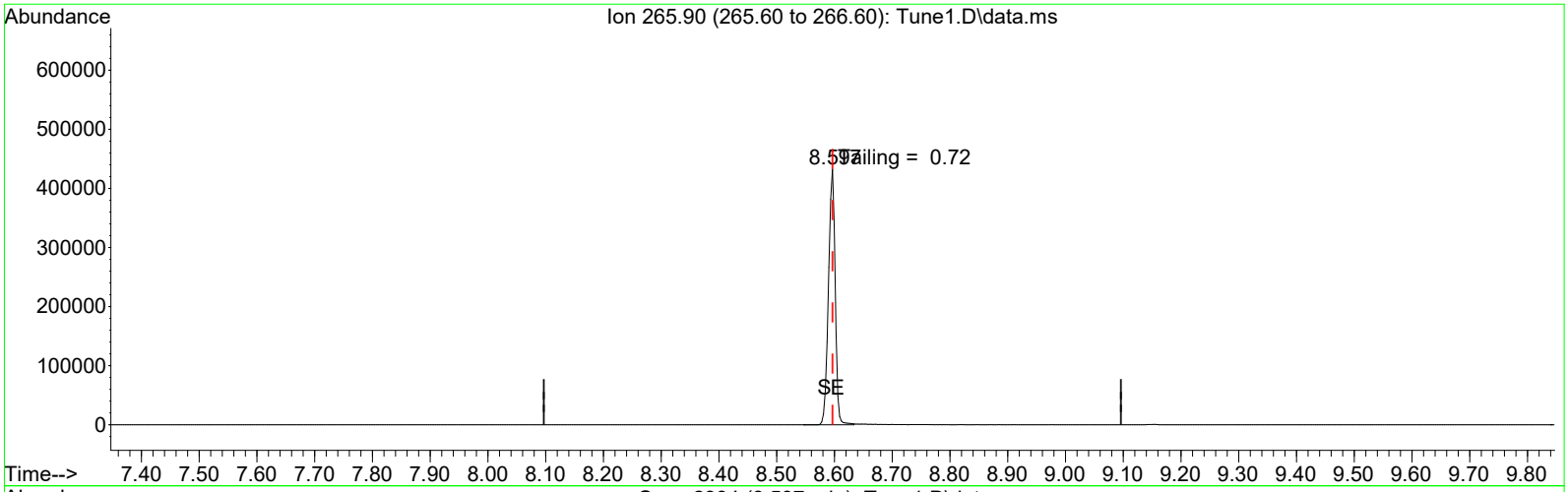
response 2185879

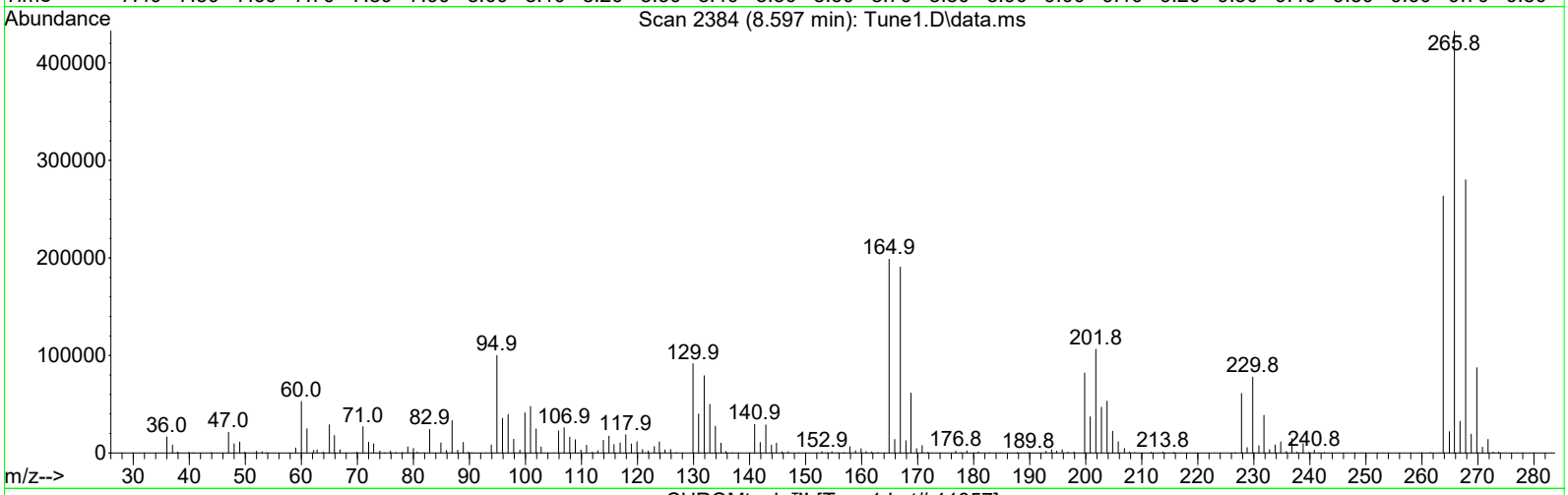
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250827ICAL\
Data File : Tune1.D
Acq On : 27 Aug 2025 7:04 pm
Operator : SV106:smz
Sample : Tune1 Lot# 11857
Misc : WG2108428,,
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 28 05:28:58 2025
Quant Method : I:\8270\SV106\250827ICAL\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:29:49 2025
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot# 11857]

(1) Pentachlorophenol (T)

8.597min (-0.000) 167.02

response 350794

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL9.D
Acq On : 27 Aug 2025 8:12 pm
Operator : SV106:smz
Sample : IL2,32,,ABNL50 Lot# 11885
Misc : WG2108428,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 28 06:06:04 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:05:57 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.301	152	36072	4.000 ug/ml	0.00
Standard Area 1 = 33991			Recovery = 106.12%		
35) IS1_Naphthalene-d8	5.575	136	145103	4.000 ug/ml	0.00
Standard Area 1 = 135116			Recovery = 107.39%		
63) IS1_Acenaphthene-d10	7.313	164	86594	4.000 ug/ml	0.00
Standard Area 1 = 80147			Recovery = 108.04%		
88) IS1_Phenanthrene-d10	8.761	188	164312	4.000 ug/ml	# 0.00
Standard Area 1 = 154754			Recovery = 106.18%		
104) IS1_Chrysene-d12	11.412	240	167935	4.000 ug/ml	0.02
Standard Area 1 = 156844			Recovery = 107.07%		
113) IS1_Perylene-d12	12.873	264	165243	4.000 ug/ml	0.02
Standard Area 1 = 164937			Recovery = 100.19%		
System Monitoring Compounds					
4) 2-Fluorophenol	2.971	112	519944	52.411 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 2620.55%#		
7) Phenol-d6	4.000	99	610254	51.516 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 2575.80%#		
19) Nitrobenzene-d5	4.870	82	578616	52.620 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 5262.00%#		
46) 2-Fluorobiphenyl	6.676	172	1408983	47.016 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 4701.60%#		
79) 2,4,6-Tribromophenol	8.093	330	229254	55.333 ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 2766.65%#		
96) 4-Terphenyl-d14	10.371	244	1920378	47.305 ug/ml	0.01
Spiked Amount 1.000	Range 30 - 130		Recovery = 4730.50%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.550	74	297403	49.970 ug/ml#	71
3) Pyridine	1.578	79	530028	52.228 ug/ml#	65
5) Aniline	3.975	93	817278	55.929 ug/ml	97
6) 2-Chlorophenol	4.093	128	619076	51.750 ug/ml#	88
8) Phenol	4.012	94	662132	51.074 ug/ml	94
9) Bis(2-chloroethyl)ether	4.071	93	505477	48.930 ug/ml	96
10) 1,3-Dichlorobenzene	4.242	146	684431	47.196 ug/ml	97
11) 1,4-Dichlorobenzene	4.320	146	703068	47.440 ug/ml	97
12) 1,2-Dichlorobenzene	4.466	146	669469	46.909 ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL9.D
Acq On : 27 Aug 2025 8:12 pm
Operator : SV106:smz
Sample : IL2,32,,ABNL50 Lot# 11885
Misc : WG2108428,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 28 06:06:04 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:05:57 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.478	79	459630	53.237	ug/ml	96
14) Bis(2-chloroisopropyl)...	4.631	45	785403	46.265	ug/ml#	54
15) 2-Methylphenol	4.618	108	516043	52.062	ug/ml	99
16) Hexachloroethane	4.805	117	270260	49.774	ug/ml#	72
17) n-Nitrosodi-n-propylamine	4.761	70	387740	53.157	ug/ml	97
18) 3-Methylphenol/4-Methy...	4.783	108	558605	51.499	ug/ml	98
20) Nitrobenzene	4.888	77	582494	51.415	ug/ml	93
21) Isophorone	5.143	82	1086336	52.797	ug/ml	99
22) 2-Nitrophenol	5.209	139	331091	58.592	ug/ml#	86
23) 2,4-Dimethylphenol	5.305	107	602729	52.915	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.395	93	695150	49.826	ug/ml	97
25) 2,4-Dichlorophenol	5.460	162	567731	54.338	ug/ml	94
26) 1,2,4-Trichlorobenzene	5.532	180	605019	48.682	ug/ml	98
36) Naphthalene	5.597	128	1832125	46.296	ug/ml	99
37) Benzoic Acid	5.488	105	486342	73.141	ug/ml	92
38) 4-Chloroaniline	5.678	65	218635	51.687	ug/ml#	61
39) Hexachlorobutadiene	5.756	225	355629	48.786	ug/ml	98
40) p-Chloro-m-cresol	6.194	107	545971	53.418	ug/ml	94
41) 2-Methylnaphthalene	6.290	142	1109586	47.474	ug/ml	96
42) 1-Methylnaphthalene	6.383	115	406758	49.276	ug/ml	94
43) Hexachlorocyclopentadiene	6.464	237	480294	52.388	ug/ml	99
44) 2,4,6-Trichlorophenol	6.589	196	434920	57.086	ug/ml	98
45) 2,4,5-Trichlorophenol	6.617	196	474294	55.244	ug/ml	99
47) 2-Chloronaphthalene	6.766	162	1270178	47.949	ug/ml	97
48) 2-Nitroaniline	6.887	138	440804	60.308	ug/ml#	77
49) 1,4-Dinitrobenzene	7.027	168	207550M3	60.484	ug/ml	
50) 1,3-Dinitrobenzene	7.105	168	230355	57.954	ug/ml#	1
51) Dimethyl phthalate	7.111	163	1537020	49.378	ug/ml#	98
52) Acenaphthylene	7.170	152	2135394	50.346	ug/ml	98
53) 2,6-Dinitrotoluene	7.145	165	334790	56.059	ug/ml#	74
54) 1,2-Dinitrobenzene	7.189	168	146559	56.472	ug/ml#	74
64) 3-Nitroaniline	7.300	138	397394	54.313	ug/ml#	85
65) Acenaphthene	7.347	154	1162071	46.940	ug/ml	92
66) 2,4-Dinitrophenol	7.400	184	210653	64.975	ug/ml#	87
67) Dibenzofuran	7.518	168	1863060	46.280	ug/ml#	75
68) 2,4-Dinitrotoluene	7.537	165	468854	57.216	ug/ml#	77
69) 4-Nitrophenol	7.506	65	287418	56.564	ug/ml#	1
70) 2,3,5,6-Tetrachlorophenol	7.611	232	412195	59.776	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL9.D
Acq On : 27 Aug 2025 8:12 pm
Operator : SV106:smz
Sample : IL2,32,,ABNL50 Lot# 11885
Misc : WG2108428,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 28 06:06:04 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:05:57 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.655	232	399383	56.750	ug/ml	97
72)	Diethyl phthalate	7.810	149	1609517	48.912	ug/ml	99
73)	Fluorene	7.854	166	1479258	46.896	ug/ml	94
74)	4-Chlorophenyl phenyl ...	7.878	204	696220	46.334	ug/ml	91
75)	4-Nitroaniline	7.906	138	397067M3	55.035	ug/ml	
76)	4,6-Dinitro-o-cresol	7.938	198	272034	67.273	ug/ml#	63
77)	NDPA/DPA	8.003	169	1272602	48.436	ug/ml	95
78)	Azobenzene	8.034	77	1368282	49.655	ug/ml	95
80)	4-Bromophenyl phenyl e...	8.354	248	438567	54.211	ug/ml#	85
81)	Hexachlorobenzene	8.398	284	493916	47.791	ug/ml#	87
82)	Pentachlorophenol	8.596	266	349179	68.440	ug/ml	99
89)	Phenanthrene	8.789	178	2267394	45.452	ug/ml	99
90)	Anthracene	8.839	178	2324054	47.804	ug/ml	98
91)	Carbazole	9.013	167	2186351	49.130	ug/ml	98
92)	Di-n-butylphthalate	9.426	149	2828662	54.998	ug/ml	98
93)	Fluoranthene	9.958	202	2550034	47.649	ug/ml#	94
94)	Benzidine	10.123	184	1858216	71.130	ug/ml#	95
95)	Pyrene	10.172	202	2670011	46.659	ug/ml	99
97)	Butyl benzyl phthalate	10.906	149	1293519	60.980	ug/ml	86
105)	Benzo(a)anthracene	11.403	228	2681178	47.024	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.416	252	1060089	54.989	ug/ml	98
107)	Chrysene	11.444	228	2505579M3	44.070	ug/ml	
108)	Bis(2-ethylhexyl)phtha...	11.549	149	1972341	56.273	ug/ml#	91
109)	Di-n-octylphthalate	12.230	149	3393347	61.859	ug/ml#	72
110)	Benzo(b)fluoranthene	12.513	252	2601112	48.311	ug/ml	96
111)	Benzo(k)fluoranthene	12.544	252	2583702M3	46.909	ug/ml	
112)	Benzo(a)pyrene	12.827	252	2512216	49.978	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.852	276	2745710	59.499	ug/mL	95
115)	Dibenzo(a,h)anthracene	13.877	278	2586375	53.412	ug/ml#	95
116)	Benzo(ghi)perylene	14.085	276	2473408	51.644	ug/ml	93

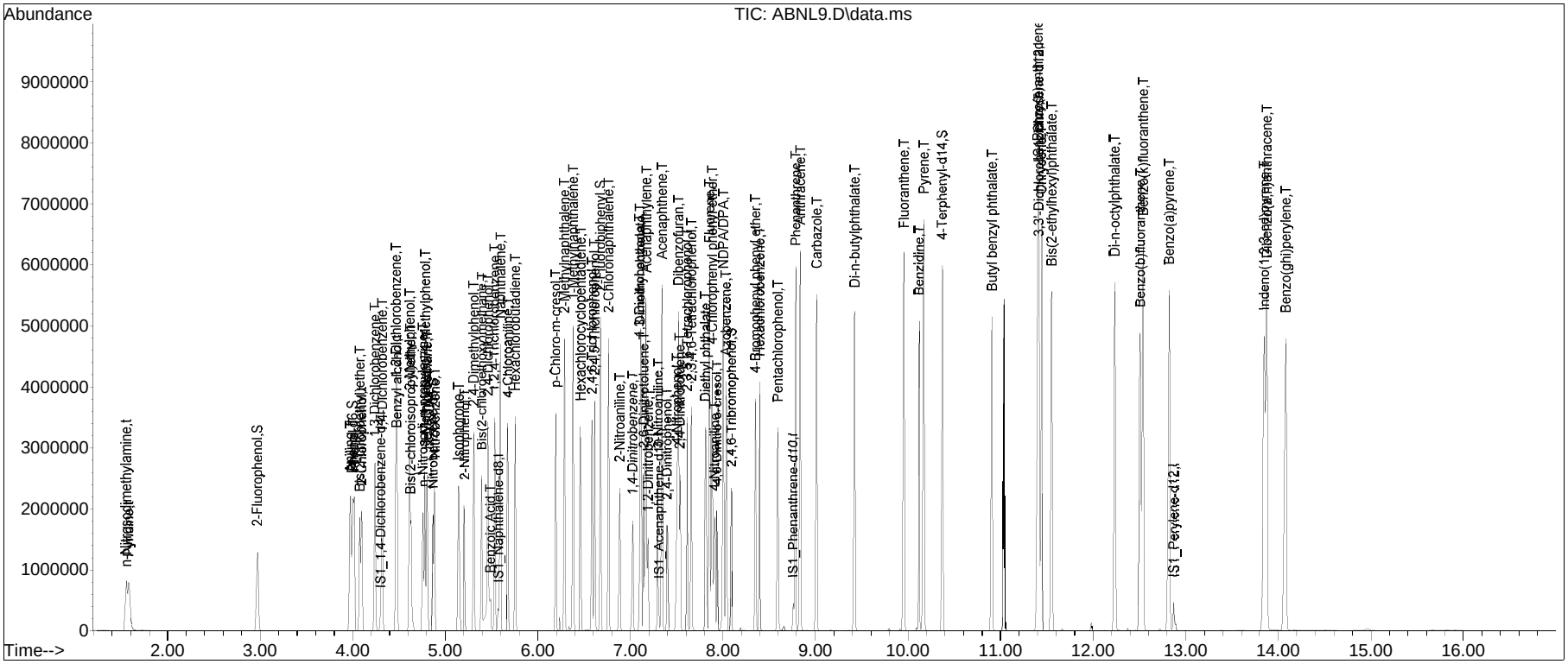
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL9.D
Acq On : 27 Aug 2025 8:12 pm
Operator : SV106:smz
Sample : IL2,32,,ABNL50 Lot# 11885
Misc : WG2108428,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 28 06:06:04 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:05:57 2025
Response via : Initial Calibration

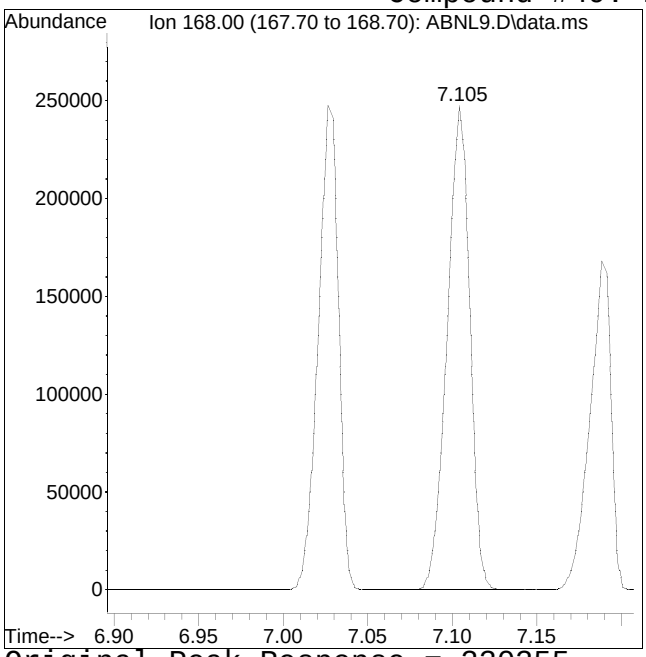
Sub List : ABNical - ABN ical sublistAL\AP9L6.D•

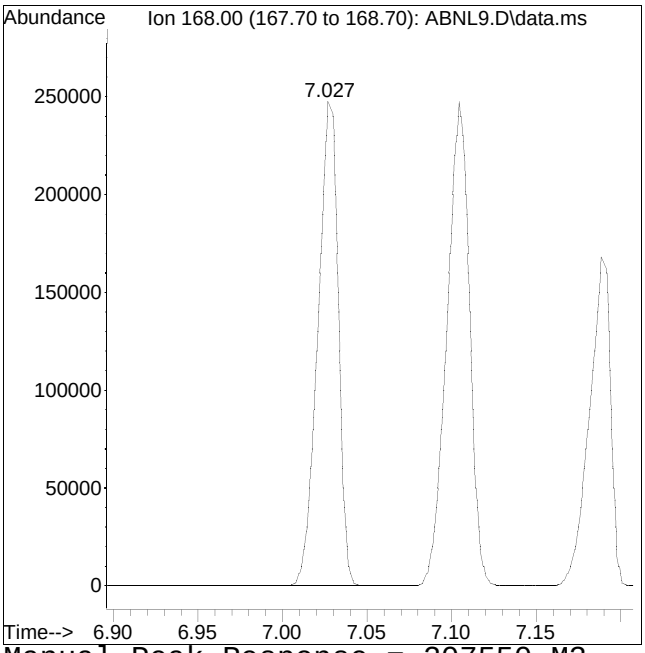


Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL9.D Operator : SV106:smz
Date Inj'd : 8/27/2025 8:12 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11885 Quant Date : 8/28/2025 6:06 am

Compound #49: 1,4-Dinitrobenzene



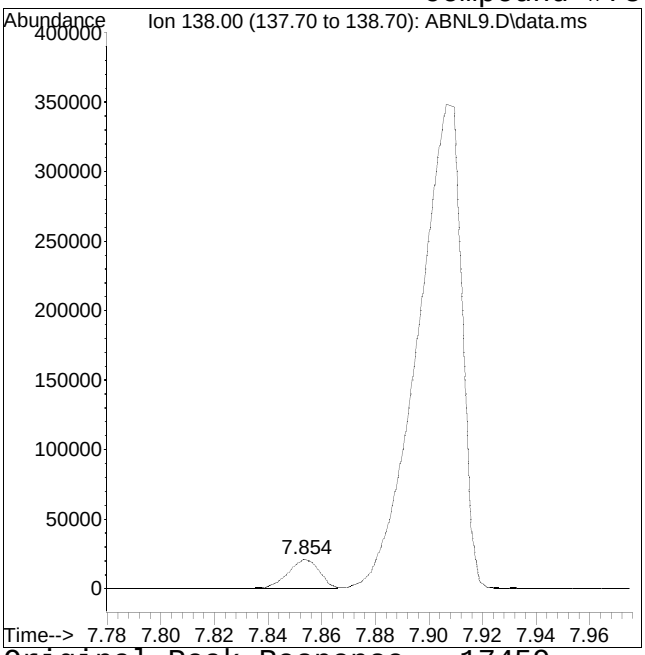


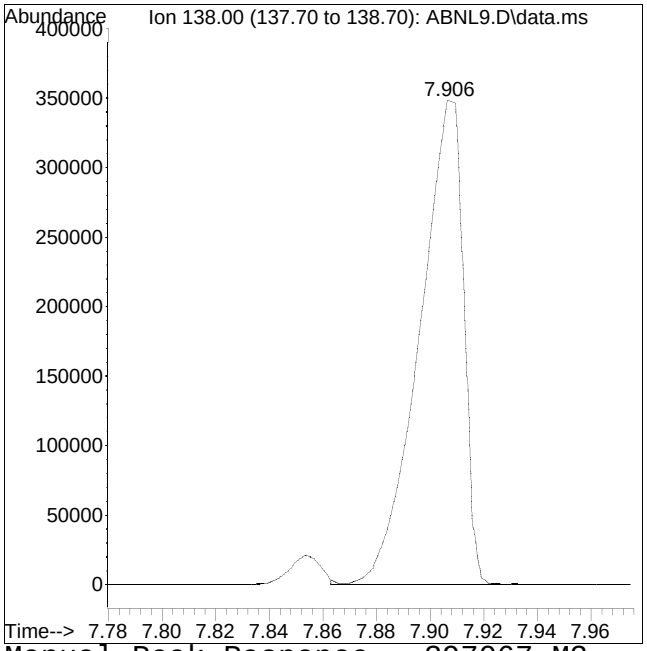
Original Peak Response = 230355 Manual Peak Response = 207550 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL9.D Operator : SV106:smz
Date Inj'd : 8/27/2025 8:12 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11885 Quant Date : 8/28/2025 6:06 am

Compound #75: 4-Nitroaniline





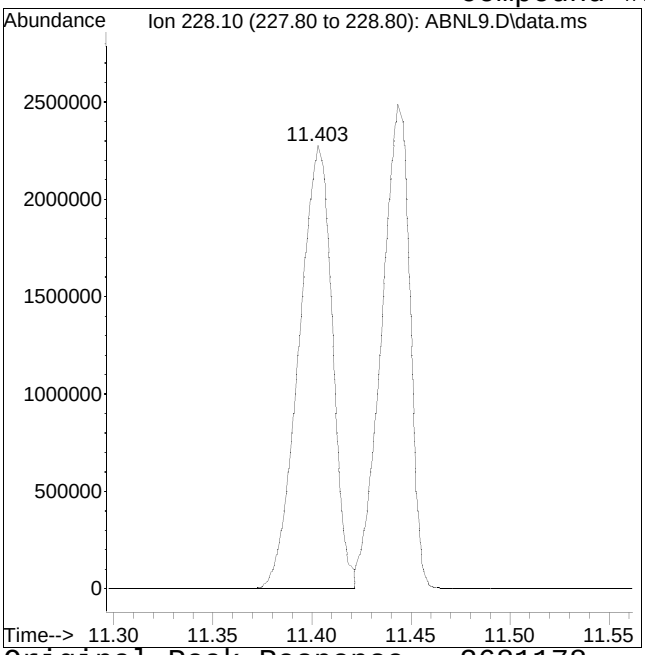
Original Peak Response = 17459 Manual Peak Response = 397067 M3

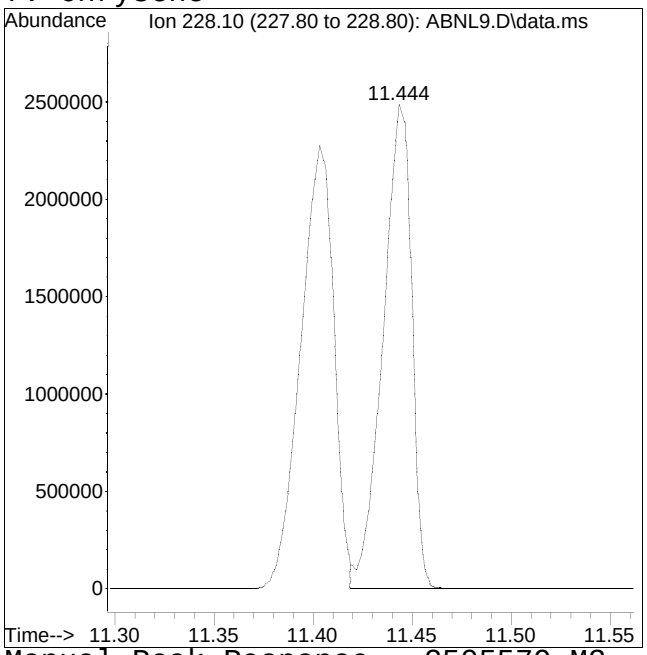
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL9.D Operator : SV106:smz
Date Inj'd : 8/27/2025 8:12 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11885 Quant Date : 8/28/2025 6:06 am

Compound #107: Chrysene



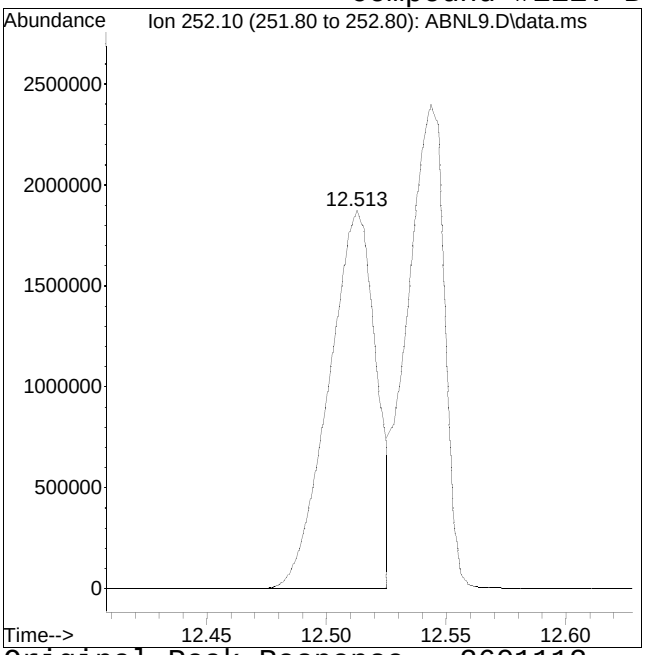


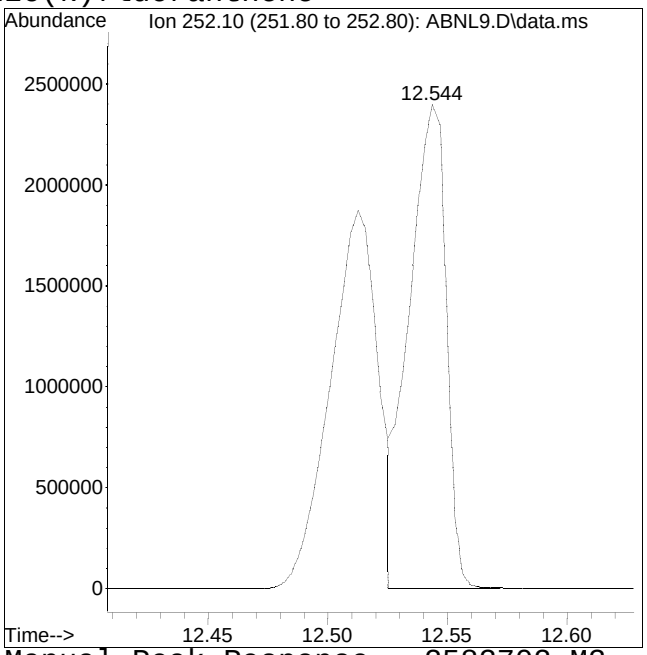
Original Peak Response = 2681178 Manual Peak Response = 2505579 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL9.D Operator : SV106:smz
Date Inj'd : 8/27/2025 8:12 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11885 Quant Date : 8/28/2025 6:06 am

Compound #111: Benzo(k)fluoranthene





Original Peak Response = 2601112 Manual Peak Response = 2583702 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL8.D
Acq On : 27 Aug 2025 8:33 pm
Operator : SV106:smz
Sample : IL3,32,,ABNL25 Lot# 11886
Misc : WG2108428,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 06:09:48 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:05:03 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	34356	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery = 101.07%			
35) IS1_Naphthalene-d8	5.576	136	138969	4.000	ug/ml	# 0.00
Standard Area 1 = 135116			Recovery = 102.85%			
63) IS1_Acenaphthene-d10	7.310	164	84598	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery = 105.55%			
88) IS1_Phenanthrene-d10	8.755	188	161164	4.000	ug/ml	# 0.00
Standard Area 1 = 154754			Recovery = 104.14%			
104) IS1_Chrysene-d12	11.400	240	162817	4.000	ug/ml	# 0.00
Standard Area 1 = 156844			Recovery = 103.81%			
113) IS1_Perylene-d12	12.858	264	165903	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery = 100.59%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.977	112	256432	27.476	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1373.80%#			
7) Phenol-d6	3.997	99	307000	27.559	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1377.95%#			
19) Nitrobenzene-d5	4.867	82	291482	28.290	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2829.00%#			
46) 2-Fluorobiphenyl	6.673	172	725360	25.312	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2531.20%#			
79) 2,4,6-Tribromophenol	8.084	330	116466	29.516	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1475.80%#			
96) 4-Terphenyl-d14	10.362	244	1000771	25.153	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2515.30%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.557	74	146712	26.013	ug/ml#	72
3) Pyridine	1.582	79	262501	27.497	ug/ml#	65
5) Aniline	3.978	93	407147	29.983	ug/ml	98
6) 2-Chlorophenol	4.093	128	309706	27.525	ug/ml#	88
8) Phenol	4.009	94	333528	27.326	ug/ml	94
9) Bis(2-chloroethyl)ether	4.074	93	253962	25.932	ug/ml	97
10) 1,3-Dichlorobenzene	4.242	146	346626	25.110	ug/ml	97
11) 1,4-Dichlorobenzene	4.320	146	353956	25.087	ug/ml	96
12) 1,2-Dichlorobenzene	4.469	146	338184	24.863	ug/ml	96

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL8.D
Acq On : 27 Aug 2025 8:33 pm
Operator : SV106:smz
Sample : IL3,32,,ABNL25 Lot# 11886
Misc : WG2108428,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 06:09:48 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:05:03 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.475	79	229732	28.415	ug/ml	96
14) Bis(2-chloroisopropyl)...	4.634	45	407213	25.212	ug/ml#	55
15) 2-Methylphenol	4.615	108	261355	28.116	ug/ml	99
16) Hexachloroethane	4.808	117	135968	26.488	ug/ml#	72
17) n-Nitrosodi-n-propylamine	4.755	70	196852	28.886	ug/ml	96
18) 3-Methylphenol/4-Methy...	4.783	108	280278	27.464	ug/ml	97
20) Nitrobenzene	4.886	77	298571	28.099	ug/ml	94
21) Isophorone	5.140	82	553204	28.760	ug/ml	98
22) 2-Nitrophenol	5.209	139	166700	32.259	ug/ml#	86
23) 2,4-Dimethylphenol	5.302	107	304368	28.555	ug/ml	97
24) Bis(2-chloroethoxy)met...	5.392	93	354585	26.944	ug/ml	97
25) 2,4-Dichlorophenol	5.457	162	288028	29.612	ug/ml#	94
26) 1,2,4-Trichlorobenzene	5.532	180	306842	26.060	ug/ml	98
36) Naphthalene	5.594	128	945519	24.939	ug/ml	99
37) Benzoic Acid	5.451	105	237673	41.402	ug/ml	92
38) 4-Chloroaniline	5.675	65	111601	27.955	ug/ml#	62
39) Hexachlorobutadiene	5.756	225	177732	25.525	ug/ml	99
40) p-Chloro-m-cresol	6.191	107	275540	28.665	ug/ml	94
41) 2-Methylnaphthalene	6.290	142	574913	25.784	ug/ml	95
42) 1-Methylnaphthalene	6.384	115	204337	25.972	ug/ml	91
43) Hexachlorocyclopentadiene	6.464	237	241262	27.872	ug/ml	99
44) 2,4,6-Trichlorophenol	6.586	196	221040	31.239	ug/ml	99
45) 2,4,5-Trichlorophenol	6.614	196	241006	30.050	ug/ml	100
47) 2-Chloronaphthalene	6.763	162	652312	25.817	ug/ml	96
48) 2-Nitroaniline	6.881	138	223937	33.321	ug/ml#	77
49) 1,4-Dinitrobenzene	7.021	168	103763M3	33.020	ug/ml	
50) 1,3-Dinitrobenzene	7.099	168	117729	32.198	ug/ml#	1
51) Dimethyl phthalate	7.102	163	790705	26.756	ug/ml#	98
52) Acenaphthylene	7.164	152	1097655	27.337	ug/ml	99
53) 2,6-Dinitrotoluene	7.139	165	168602	30.385	ug/ml#	76
54) 1,2-Dinitrobenzene	7.179	168	73208	30.355	ug/ml#	1
64) 3-Nitroaniline	7.291	138	203953	29.221	ug/ml#	85
65) Acenaphthene	7.341	154	598975	24.732	ug/ml	91
66) 2,4-Dinitrophenol	7.394	184	104974	35.452	ug/ml#	88
67) Dibenzofuran	7.512	168	970462	24.630	ug/ml	92
68) 2,4-Dinitrotoluene	7.527	165	241048	31.016	ug/ml	88
69) 4-Nitrophenol	7.493	65	141339	29.048	ug/ml#	67
70) 2,3,5,6-Tetrachlorophenol	7.608	232	209662	32.251	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL8.D
Acq On : 27 Aug 2025 8:33 pm
Operator : SV106:smz
Sample : IL3,32,,ABNL25 Lot# 11886
Misc : WG2108428,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 06:09:48 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:05:03 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.649	232	201396	30.029	ug/ml	97
72)	Diethyl phthalate	7.804	149	827833	25.862	ug/ml	99
73)	Fluorene	7.848	166	765194	24.807	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.876	204	360217	24.474	ug/ml	91
75)	4-Nitroaniline	7.891	138	202921	29.427	ug/ml#	78
76)	4,6-Dinitro-o-cresol	7.925	198	136129	36.427	ug/ml#	63
77)	NDPA/DPA	7.997	169	657268	25.695	ug/ml	94
78)	Azobenzene	8.028	77	702070	26.241	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.348	248	225529M3	24.991	ug/ml	
81)	Hexachlorobenzene	8.391	284	250668	24.802	ug/ml#	87
82)	Pentachlorophenol	8.590	266	171462	36.700	ug/ml	99
89)	Phenanthrene	8.780	178	1183275	24.071	ug/ml	100
90)	Anthracene	8.830	178	1211741	25.471	ug/ml	99
91)	Carbazole	9.007	167	1143852	26.388	ug/ml	99
92)	Di-n-butylphthalate	9.417	149	1461593	29.646	ug/ml	98
93)	Fluoranthene	9.946	202	1332799	25.447	ug/ml#	94
94)	Benzidine	10.113	184	952765	39.965	ug/ml#	95
95)	Pyrene	10.163	202	1412808	25.196	ug/ml	99
97)	Butyl benzyl phthalate	10.894	149	664941	33.283	ug/ml	86
105)	Benzo(a)anthracene	11.391	228	1399180	25.356	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.400	252	547268	30.014	ug/ml#	98
107)	Chrysene	11.431	228	1291077	23.213	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.537	149	1018603	30.853	ug/ml#	92
109)	Di-n-octylphthalate	12.218	149	1734516	34.097	ug/ml#	72
110)	Benzo(b)fluoranthene	12.497	252	1329534	25.538	ug/ml	96
111)	Benzo(k)fluoranthene	12.525	252	1348501	25.289	ug/ml	96
112)	Benzo(a)pyrene	12.808	252	1286485	26.611	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.831	276	1323868	29.170	ug/mL	95
115)	Dibenzo(a,h)anthracene	13.856	278	1322105	27.540	ug/ml#	94
116)	Benzo(ghi)perylene	14.061	276	1265223	26.511	ug/ml	92

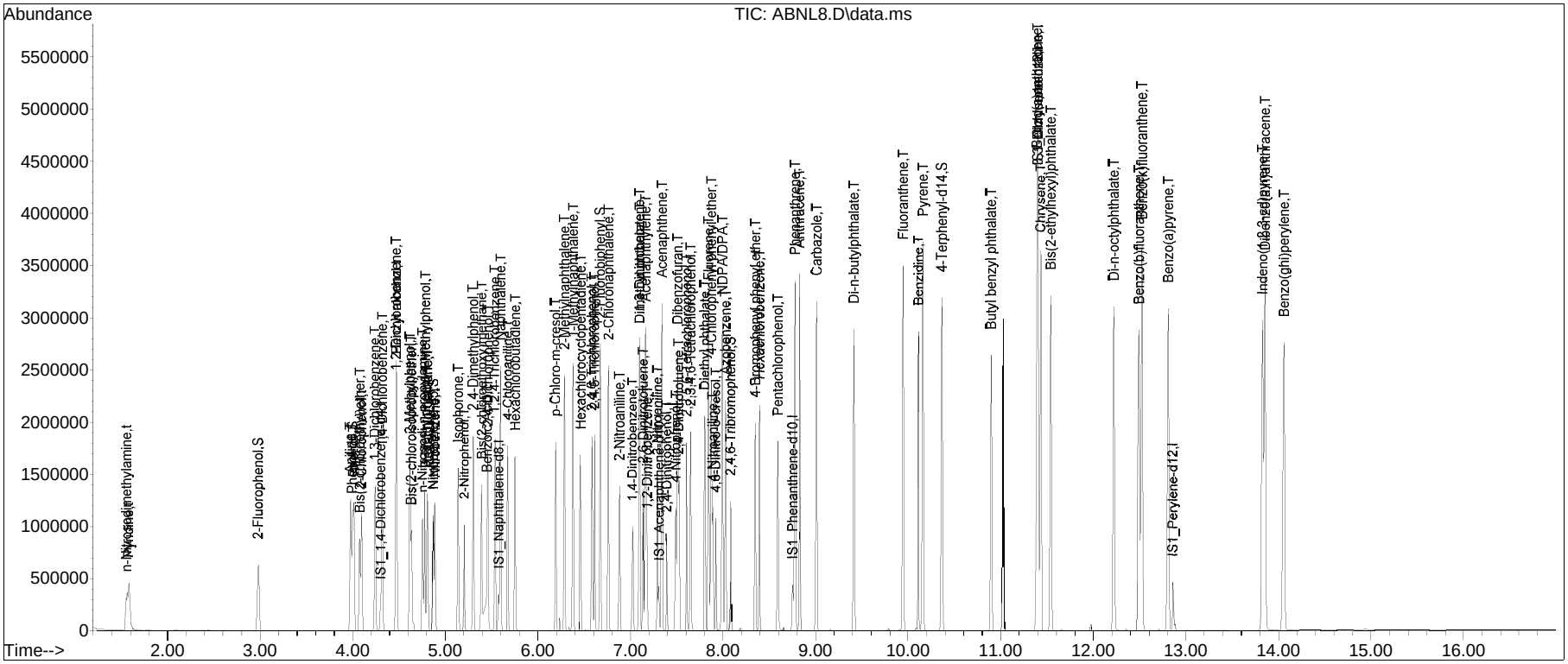
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL8.D
Acq On : 27 Aug 2025 8:33 pm
Operator : SV106:smz
Sample : IL3,32,,ABNL25 Lot# 11886
Misc : WG2108428,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 06:09:48 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:05:03 2025
Response via : Initial Calibration

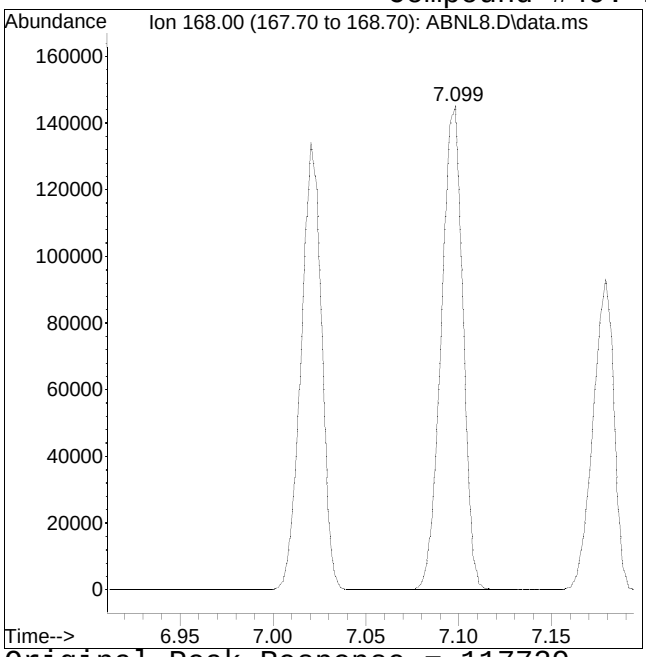
Sub List : ABNical - ABN ical sublistAL\AP9L6.D•

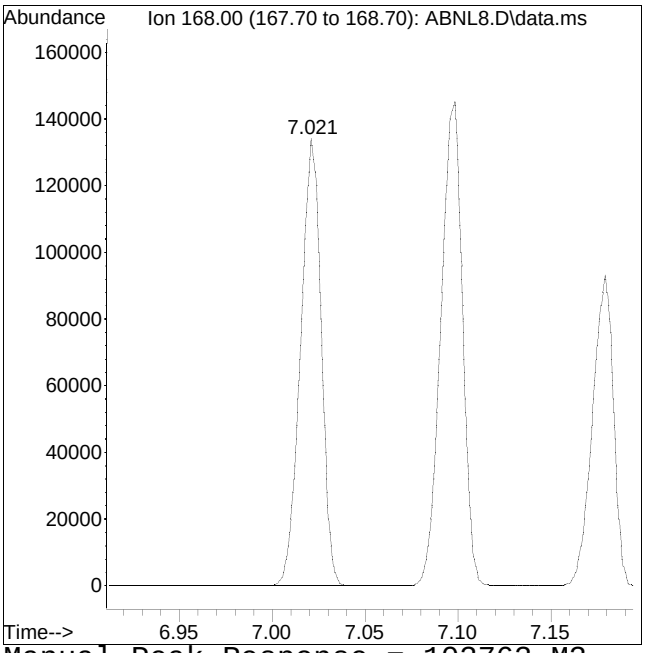


Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL8.D Operator : SV106:smz
Date Inj'd : 8/27/2025 8:33 pm Instrument : SV 106
Sample : IL3,32,,ABNL25 Lot# 11886 Quant Date : 8/28/2025 6:05 am

Compound #49: 1,4-Dinitrobenzene



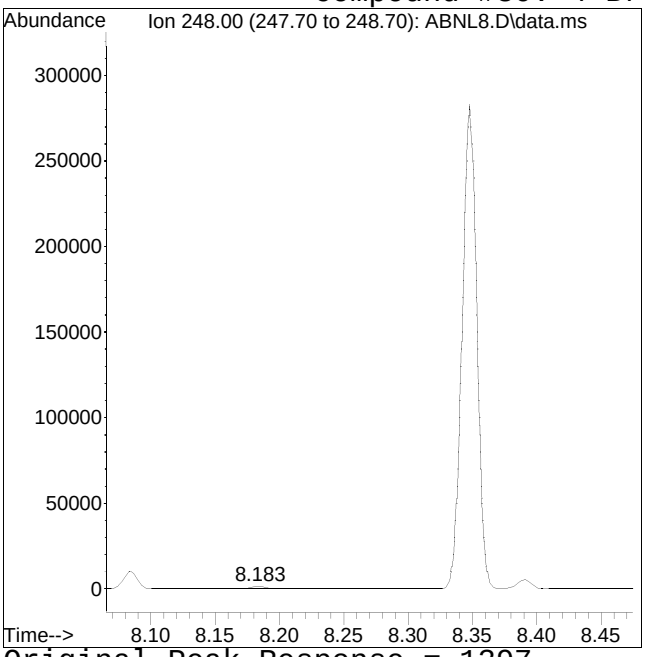


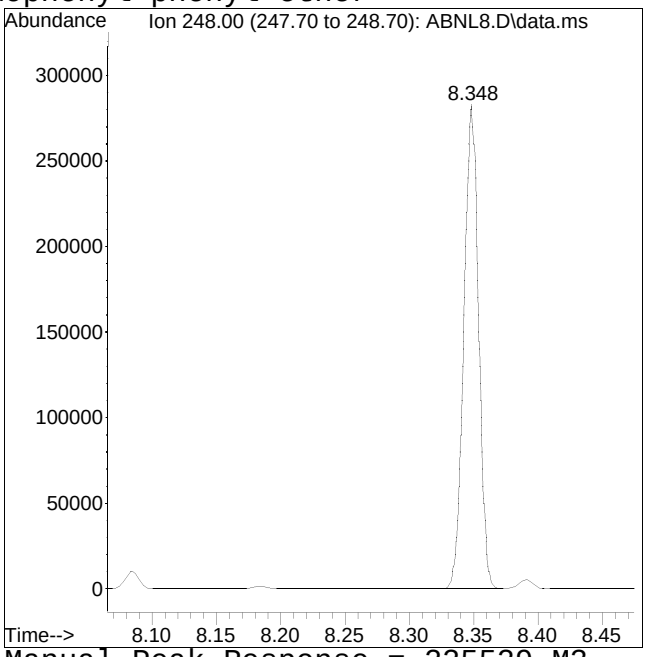
Original Peak Response = 117729 Manual Peak Response = 103763 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL8.D Operator : SV106:smz
Date Inj'd : 8/27/2025 8:33 pm Instrument : SV 106
Sample : IL3,32,,ABNL25 Lot# 11886 Quant Date : 8/28/2025 6:05 am

Compound #80: 4-Bromophenyl phenyl ether





Original Peak Response = 1397 Manual Peak Response = 225529 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL7.D
Acq On : 27 Aug 2025 9:03 pm
Operator : SV106:smz
Sample : IL4,32,,ABNL10 Lot# 11887
Misc : WG2108428,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 06:03:35 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:04:09 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.301	152	34403	4.000	ug/ml	# 0.00
Standard Area 1 = 33991			Recovery = 101.21%			
35) IS1_Naphthalene-d8	5.572	136	138164	4.000	ug/ml	0.00
Standard Area 1 = 135116			Recovery = 102.26%			
63) IS1_Acenaphthene-d10	7.307	164	84365	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery = 105.26%			
88) IS1_Phenanthrene-d10	8.755	188	157203	4.000	ug/ml	# 0.00
Standard Area 1 = 154754			Recovery = 101.58%			
104) IS1_Chrysene-d12	11.397	240	160087	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery = 102.07%			
113) IS1_Perylene-d12	12.861	264	168082	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery = 101.91%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.971	112	104778	11.442	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 572.10%#			
7) Phenol-d6	3.990	99	125171	11.454	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 572.70%#			
19) Nitrobenzene-d5	4.864	82	116996	11.598	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 1159.80%#			
46) 2-Fluorobiphenyl	6.673	172	296171	10.464	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 1046.40%#			
79) 2,4,6-Tribromophenol	8.084	330	44349	11.564	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 578.20%#			
96) 4-Terphenyl-d14	10.362	244	403040	10.452	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 1045.20%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.550	74	61479	11.049	ug/ml#	70
3) Pyridine	1.578	79	109608	11.753	ug/ml#	64
5) Aniline	3.975	93	164868	12.569	ug/ml	97
6) 2-Chlorophenol	4.090	128	127461	11.566	ug/ml#	89
8) Phenol	4.003	94	136691	11.409	ug/ml	94
9) Bis(2-chloroethyl)ether	4.068	93	105499	10.895	ug/ml	94
10) 1,3-Dichlorobenzene	4.239	146	145489	10.618	ug/ml	97
11) 1,4-Dichlorobenzene	4.317	146	148552	10.606	ug/ml	95
12) 1,2-Dichlorobenzene	4.466	146	140480	10.368	ug/ml	96

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL7.D
Acq On : 27 Aug 2025 9:03 pm
Operator : SV106:smz
Sample : IL4,32,,ABNL10 Lot# 11887
Misc : WG2108428,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 06:03:35 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:04:09 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.469	79	92248	11.665	ug/ml	96
14) Bis(2-chloroisopropyl)...	4.631	45	168344	10.480	ug/ml#	56
15) 2-Methylphenol	4.612	108	105465	11.587	ug/ml	98
16) Hexachloroethane	4.805	117	56323	11.135	ug/ml#	70
17) n-Nitrosodi-n-propylamine	4.752	70	79020	11.893	ug/ml	97
18) 3-Methylphenol/4-Methy...	4.777	108	115137	11.510	ug/ml	98
20) Nitrobenzene	4.882	77	119725	11.492	ug/ml	93
21) Isophorone	5.137	82	221673	11.805	ug/ml	98
22) 2-Nitrophenol	5.206	139	64419	13.090	ug/ml#	86
23) 2,4-Dimethylphenol	5.299	107	122702	11.790	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.389	93	142611	10.972	ug/ml	98
25) 2,4-Dichlorophenol	5.454	162	116680	12.388	ug/ml#	95
26) 1,2,4-Trichlorobenzene	5.529	180	125780	10.788	ug/ml	99
36) Naphthalene	5.594	128	386397	10.294	ug/ml	99
37) Benzoic Acid	5.411	105	84513	16.831	ug/ml	93
38) 4-Chloroaniline	5.672	65	44456	11.429	ug/ml#	59
39) Hexachlorobutadiene	5.753	225	73497	10.727	ug/ml	99
40) p-Chloro-m-cresol	6.191	107	109523	11.746	ug/ml	94
41) 2-Methylnaphthalene	6.287	142	233823	10.645	ug/ml	96
42) 1-Methylnaphthalene	6.380	115	83110	10.737	ug/ml	91
43) Hexachlorocyclopentadiene	6.464	237	95364	11.284	ug/ml	99
44) 2,4,6-Trichlorophenol	6.586	196	85991	12.694	ug/ml	99
45) 2,4,5-Trichlorophenol	6.614	196	95307	12.355	ug/ml	99
47) 2-Chloronaphthalene	6.760	162	264740	10.634	ug/ml	96
48) 2-Nitroaniline	6.878	138	86158	13.548	ug/ml#	79
49) 1,4-Dinitrobenzene	7.018	168	38912	13.098	ug/ml	77
50) 1,3-Dinitrobenzene	7.092	168	45706	13.255	ug/ml#	1
51) Dimethyl phthalate	7.095	163	323002	11.179	ug/ml#	98
52) Acenaphthylene	7.161	152	444191	11.340	ug/ml	98
53) 2,6-Dinitrotoluene	7.133	165	67517	12.812	ug/ml#	76
54) 1,2-Dinitrobenzene	7.173	168	29221	12.744	ug/ml#	1
64) 3-Nitroaniline	7.288	138	80807	11.995	ug/ml#	86
65) Acenaphthene	7.338	154	243069	10.075	ug/ml	90
66) 2,4-Dinitrophenol	7.391	184	37813	13.772	ug/ml#	87
67) Dibenzofuran	7.512	168	395073	10.064	ug/ml	93
68) 2,4-Dinitrotoluene	7.524	165	95374	12.797	ug/ml	89
69) 4-Nitrophenol	7.490	65	55521	11.724	ug/ml#	72
70) 2,3,5,6-Tetrachlorophenol	7.605	232	81724	13.178	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL7.D
Acq On : 27 Aug 2025 9:03 pm
Operator : SV106:smz
Sample : IL4,32,,ABNL10 Lot# 11887
Misc : WG2108428,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 06:03:35 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:04:09 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.649	232	82135	12.766	ug/ml	99
72)	Diethyl phthalate	7.798	149	331565	10.454	ug/ml	99
73)	Fluorene	7.847	166	310744	10.119	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.872	204	146410	9.971	ug/ml	91
75)	4-Nitroaniline	7.882	138	82671	12.441	ug/ml#	77
76)	4,6-Dinitro-o-cresol	7.919	198	51601	14.795	ug/ml#	63
77)	NDPA/DPA	7.994	169	269790	10.679	ug/ml	94
78)	Azobenzene	8.025	77	282839	10.708	ug/ml	95
80)	4-Bromophenyl phenyl e...	8.348	248	91466	10.191	ug/ml#	84
81)	Hexachlorobenzene	8.391	284	99651	9.869	ug/ml#	87
82)	Pentachlorophenol	8.590	266	65323	15.246	ug/ml	99
89)	Phenanthrene	8.777	178	478694	9.980	ug/ml	99
90)	Anthracene	8.827	178	495217	10.793	ug/ml	99
91)	Carbazole	9.004	167	468296	11.277	ug/ml	99
92)	Di-n-butylphthalate	9.417	149	572332	12.291	ug/ml#	98
93)	Fluoranthene	9.945	202	546298	10.818	ug/ml#	94
94)	Benzidine	10.110	184	371383	17.736	ug/ml#	95
95)	Pyrene	10.160	202	576196	10.630	ug/ml	99
97)	Butyl benzyl phthalate	10.897	149	252730	13.644	ug/ml	86
105)	Benzo(a)anthracene	11.391	228	564916	10.484	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.400	252	215472	12.437	ug/ml	97
107)	Chrysene	11.428	228	534330	9.734	ug/ml	100
108)	Bis(2-ethylhexyl)phtha...	11.540	149	400262	12.829	ug/ml#	91
109)	Di-n-octylphthalate	12.217	149	670849	14.221	ug/ml#	73
110)	Benzo(b)fluoranthene	12.494	252	545254	10.769	ug/ml	97
111)	Benzo(k)fluoranthene	12.522	252	553105	10.647	ug/ml	95
112)	Benzo(a)pyrene	12.805	252	525675	11.258	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.827	276	529641	11.818	ug/mL	95
115)	Dibenzo(a,h)anthracene	13.852	278	534566	11.176	ug/ml#	94
116)	Benzo(ghi)perylene	14.054	276	517307	10.825	ug/ml	93

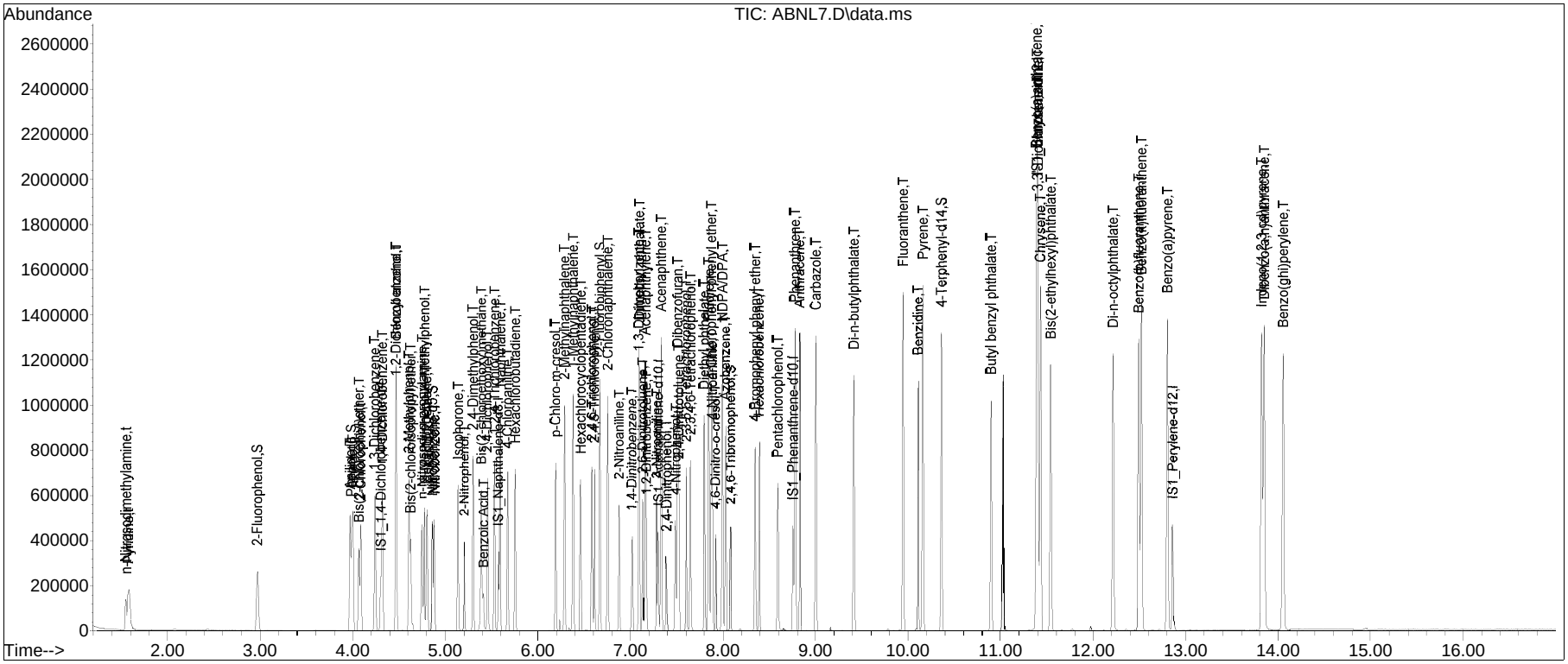
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL7.D
Acq On : 27 Aug 2025 9:03 pm
Operator : SV106:smz
Sample : IL4,32,,ABNL10 Lot# 11887
Misc : WG2108428,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 06:03:35 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:04:09 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250827ICAL\	QMethod	: FS250827SV106.m
Data File	: ABNL7.D	Operator	: SV106:smz
Date Inj'd	: 8/27/2025 9:03 pm	Instrument	: SV 106
Sample	: IL4,32,,ABNL10 Lot# 11887	Quant Date	: 8/28/2025 6:04 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL6.D
Acq On : 27 Aug 2025 9:24 pm
Operator : SV106:smz
Sample : IL5,32,,ABNL5 Lot# 11888
Misc : WG2108428,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 06:02:38 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:02:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	33991	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery = 100.00%			
35) IS1_Naphthalene-d8	5.572	136	135116	4.000	ug/ml	0.00
Standard Area 1 = 135116			Recovery = 100.00%			
63) IS1_Acenaphthene-d10	7.307	164	80147	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery = 100.00%			
88) IS1_Phenanthrene-d10	8.752	188	154754	4.000	ug/ml	# 0.00
Standard Area 1 = 154754			Recovery = 100.00%			
104) IS1_Chrysene-d12	11.394	240	156844	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery = 100.00%			
113) IS1_Perylene-d12	12.855	264	164937	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery = 100.00%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.977	112	48856	5.488	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 274.40%#			
7) Phenol-d6	3.994	99	57469	5.392	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 269.60%#			
19) Nitrobenzene-d5	4.864	82	53573	5.457	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 545.70%#			
46) 2-Fluorobiphenyl	6.673	172	136536	4.920	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 492.00%#			
79) 2,4,6-Tribromophenol	8.081	330	19999	5.627	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 281.35%#			
96) 4-Terphenyl-d14	10.359	244	185053	4.851	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 485.10%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.554	74	28432	5.208	ug/ml#	73
3) Pyridine	1.585	79	50314	5.563	ug/ml#	64
5) Aniline	3.975	93	77729	6.247	ug/ml	96
6) 2-Chlorophenol	4.090	128	58638	5.470	ug/ml#	90
8) Phenol	4.003	94	62032	5.291	ug/ml	94
9) Bis(2-chloroethyl)ether	4.071	93	48989	5.145	ug/ml	95
10) 1,3-Dichlorobenzene	4.242	146	68433	5.066	ug/ml	96
11) 1,4-Dichlorobenzene	4.320	146	69471	5.024	ug/ml	96
12) 1,2-Dichlorobenzene	4.469	146	66356	4.948	ug/ml	96

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL6.D
Acq On : 27 Aug 2025 9:24 pm
Operator : SV106:smz
Sample : IL5,32,,ABNL5 Lot# 11888
Misc : WG2108428,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 06:02:38 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:02:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.472	79	41632	5.399	ug/ml	95
14) Bis(2-chloroisopropyl)...	4.631	45	79588	5.018	ug/ml#	58
15) 2-Methylphenol	4.615	108	48169	5.434	ug/ml	97
16) Hexachloroethane	4.808	117	26338	5.328	ug/ml#	72
17) n-Nitrosodi-n-propylamine	4.752	70	35855	5.564	ug/ml	95
18) 3-Methylphenol/4-Methy...	4.777	108	51900	5.304	ug/ml	97
20) Nitrobenzene	4.882	77	55473	5.474	ug/ml	95
21) Isophorone	5.137	82	100281	5.494	ug/ml	99
22) 2-Nitrophenol	5.209	139	28262	6.059	ug/ml#	87
23) 2,4-Dimethylphenol	5.299	107	57104	5.679	ug/ml	97
24) Bis(2-chloroethoxy)met...	5.389	93	66295	5.196	ug/ml	98
25) 2,4-Dichlorophenol	5.454	162	52365	5.772	ug/ml#	94
26) 1,2,4-Trichlorobenzene	5.529	180	58431	5.087	ug/ml	99
36) Naphthalene	5.594	128	181757	4.942	ug/ml	99
37) Benzoic Acid	5.389	105	33189	7.656	ug/ml	94
38) 4-Chloroaniline	5.672	65	20670	5.530	ug/ml#	61
39) Hexachlorobutadiene	5.753	225	33995	5.088	ug/ml	98
40) p-Chloro-m-cresol	6.191	107	48797	5.428	ug/ml	92
41) 2-Methylnaphthalene	6.287	142	107089	4.982	ug/ml	96
42) 1-Methylnaphthalene	6.381	115	37840	4.999	ug/ml	87
43) Hexachlorocyclopentadiene	6.464	237	43566	5.329	ug/ml	100
44) 2,4,6-Trichlorophenol	6.586	196	38497	6.006	ug/ml	99
45) 2,4,5-Trichlorophenol	6.611	196	42620	5.800	ug/ml	99
47) 2-Chloronaphthalene	6.760	162	121919	5.009	ug/ml	96
48) 2-Nitroaniline	6.878	138	37886	6.370	ug/ml#	78
49) 1,4-Dinitrobenzene	7.015	168	17175	6.194	ug/ml	78
50) 1,3-Dinitrobenzene	7.089	168	20241	6.319	ug/ml#	1
51) Dimethyl phthalate	7.092	163	146634	5.229	ug/ml#	99
52) Acenaphthylene	7.161	152	204864	5.424	ug/ml	98
53) 2,6-Dinitrotoluene	7.133	165	29659	5.981	ug/ml#	77
54) 1,2-Dinitrobenzene	7.170	168	13384	6.273	ug/ml#	1
64) 3-Nitroaniline	7.282	138	36518	5.915	ug/ml#	87
65) Acenaphthene	7.335	154	112128	4.871	ug/ml	91
66) 2,4-Dinitrophenol	7.388	184	15835	6.537	ug/ml	89
67) Dibenzofuran	7.509	168	182075	4.859	ug/ml	94
68) 2,4-Dinitrotoluene	7.521	165	42714	6.293	ug/ml	91
69) 4-Nitrophenol	7.487	65	25091	5.709	ug/ml#	76
70) 2,3,5,6-Tetrachlorophenol	7.605	232	36826	6.580	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL6.D
Acq On : 27 Aug 2025 9:24 pm
Operator : SV106:smz
Sample : IL5,32,,ABNL5 Lot# 11888
Misc : WG2108428,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 06:02:38 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:02:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.646	232	36773	6.271 ug/ml	99
72)	Diethyl phthalate	7.795	149	153497	5.114 ug/ml	99
73)	Fluorene	7.844	166	142500	4.862 ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.872	204	68570	4.899 ug/ml	90
75)	4-Nitroaniline	7.879	138	36722	6.013 ug/ml#	79
76)	4,6-Dinitro-o-cresol	7.916	198	21901	7.065 ug/ml#	64
77)	NDPA/DPA	7.991	169	123781	5.190 ug/ml	93
78)	Azobenzene	8.022	77	131853	5.309 ug/ml	96
80)	4-Bromophenyl phenyl e...	8.345	248	41347	4.820 ug/ml#	85
81)	Hexachlorobenzene	8.388	284	45957	4.751 ug/ml#	87
82)	Pentachlorophenol	8.587	266	27637	7.457 ug/ml	99
89)	Phenanthrene	8.777	178	225951	4.745 ug/ml	100
90)	Anthracene	8.827	178	227747	5.051 ug/ml	99
91)	Carbazole	9.001	167	216146	5.349 ug/ml	99
92)	Di-n-butylphthalate	9.414	149	257929	5.771 ug/ml	98
93)	Fluoranthene	9.942	202	252651	5.099 ug/ml#	94
94)	Benzidine	10.107	184	161995	8.873 ug/ml#	95
95)	Pyrene	10.157	202	268318	5.034 ug/ml	99
97)	Butyl benzyl phthalate	10.890	149	108876	6.212 ug/ml	86
105)	Benzo(a)anthracene	11.385	228	258370	4.874 ug/ml	99
106)	3,3'-Dichlorobenzidine	11.394	252	96963	5.880 ug/ml	97
107)	Chrysene	11.419	228	250509	4.595 ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.534	149	177417	5.997 ug/ml#	91
109)	Di-n-octylphthalate	12.211	149	283757	6.433 ug/ml#	73
110)	Benzo(b)fluoranthene	12.485	252	243531	4.892 ug/ml	94
111)	Benzo(k)fluoranthene	12.513	252	262004	5.178 ug/ml	96
112)	Benzo(a)pyrene	12.796	252	240526	5.312 ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.815	276	237078	5.476 ug/mL	96
115)	Dibenzo(a,h)anthracene	13.843	278	246196	5.297 ug/ml#	94
116)	Benzo(ghi)perylene	14.042	276	237391	5.075 ug/ml	92

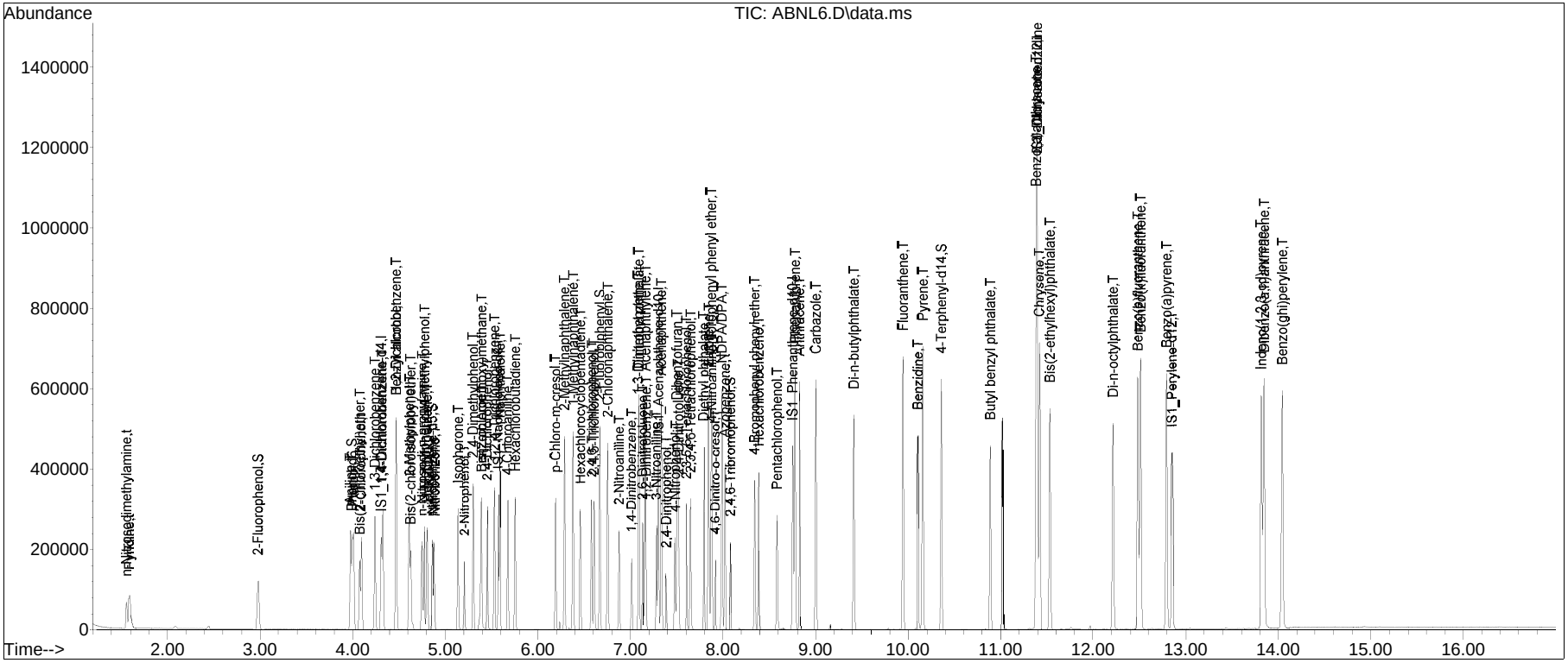
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL6.D
Acq On : 27 Aug 2025 9:24 pm
Operator : SV106:smz
Sample : IL5,32,,ABNL5 Lot# 11888
Misc : WG2108428,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 06:02:38 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:02:52 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250827ICAL\	QMethod	: FS250827SV106.m
Data File	: ABNL6.D	Operator	: SV106:smz
Date Inj'd	: 8/27/2025 9:24 pm	Instrument	: SV 106
Sample	: IL5,32,,ABNL5 Lot# 11888	Quant Date	: 8/28/2025 6:03 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL5.D
Acq On : 27 Aug 2025 9:46 pm
Operator : SV106:smz
Sample : IL6,32,,ABNL2.5 Lot# 11889
Misc : WG2108428,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 06:01:48 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:01:14 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	33459	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery = 98.43%			
35) IS1_Naphthalene-d8	5.572	136	132859	4.000	ug/ml	0.00
Standard Area 1 = 135116			Recovery = 98.33%			
63) IS1_Acenaphthene-d10	7.307	164	78031	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery = 97.36%			
88) IS1_Phenanthrene-d10	8.752	188	152871	4.000	ug/ml	# 0.00
Standard Area 1 = 154754			Recovery = 98.78%			
104) IS1_Chrysene-d12	11.391	240	152364	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery = 97.14%			
113) IS1_Perylene-d12	12.852	264	164158	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery = 99.53%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.974	112	23988	2.804	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 140.20%#			
7) Phenol-d6	3.993	99	28070	2.723	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 136.15%#			
19) Nitrobenzene-d5	4.864	82	25994	2.742	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 274.20%#			
46) 2-Fluorobiphenyl	6.673	172	68514	2.513	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 251.30%#			
79) 2,4,6-Tribromophenol	8.081	330	9631	2.893	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 144.65%#			
96) 4-Terphenyl-d14	10.359	244	91993	2.427	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 242.70%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.557	74	13837	2.594	ug/ml#	73
3) Pyridine	1.591	79	25236	2.933	ug/ml#	66
5) Aniline	3.978	93	37442	3.237	ug/ml	98
6) 2-Chlorophenol	4.093	128	28588	2.767	ug/ml#	89
8) Phenol	4.006	94	30860	2.722	ug/ml	95
9) Bis(2-chloroethyl)ether	4.071	93	24162	2.598	ug/ml	99
10) 1,3-Dichlorobenzene	4.245	146	33292	2.505	ug/ml	96
11) 1,4-Dichlorobenzene	4.320	146	34586	2.551	ug/ml	97
12) 1,2-Dichlorobenzene	4.472	146	33191	2.518	ug/ml	95

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL5.D
Acq On : 27 Aug 2025 9:46 pm
Operator : SV106:smz
Sample : IL6,32,,ABNL2.5 Lot# 11889
Misc : WG2108428,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 06:01:48 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:01:14 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.472	79	20491	2.755	ug/ml	97
14) Bis(2-chloroisopropyl)...	4.634	45	39782	2.560	ug/ml#	70
15) 2-Methylphenol	4.615	108	23129	2.691	ug/ml	97
16) Hexachloroethane	4.808	117	13076	2.738	ug/ml#	71
17) n-Nitrosodi-n-propylamine	4.752	70	17635	2.860	ug/ml	95
18) 3-Methylphenol/4-Methy...	4.777	108	25376	2.671	ug/ml	96
20) Nitrobenzene	4.882	77	26980	2.761	ug/ml	95
21) Isophorone	5.137	82	48779	2.775	ug/ml	98
22) 2-Nitrophenol	5.209	139	13270	3.048	ug/ml#	86
23) 2,4-Dimethylphenol	5.299	107	26940	2.783	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.389	93	33737	2.737	ug/ml	99
25) 2,4-Dichlorophenol	5.454	162	25355	2.939	ug/ml#	94
26) 1,2,4-Trichlorobenzene	5.529	180	29191	2.603	ug/ml	99
36) Naphthalene	5.594	128	89933	2.484	ug/ml	99
37) Benzoic Acid	5.377	105	13414	3.615	ug/ml	94
38) 4-Chloroaniline	5.672	65	10141	2.833	ug/ml#	60
39) Hexachlorobutadiene	5.753	225	16737	2.560	ug/ml	99
40) p-Chloro-m-cresol	6.191	107	23660	2.724	ug/ml	94
41) 2-Methylnaphthalene	6.287	142	52546	2.483	ug/ml	94
42) 1-Methylnaphthalene	6.380	115	19226	2.604	ug/ml	91
43) Hexachlorocyclopentadiene	6.464	237	21266	2.685	ug/ml	100
44) 2,4,6-Trichlorophenol	6.586	196	17948	2.950	ug/ml	96
45) 2,4,5-Trichlorophenol	6.614	196	20476	2.932	ug/ml	99
47) 2-Chloronaphthalene	6.760	162	60225	2.521	ug/ml	96
48) 2-Nitroaniline	6.878	138	17193	3.075	ug/ml#	82
49) 1,4-Dinitrobenzene	7.015	168	7944	3.084	ug/ml	76
50) 1,3-Dinitrobenzene	7.089	168	9038	3.018	ug/ml#	1
51) Dimethyl phthalate	7.092	163	71563	2.620	ug/ml#	98
52) Acenaphthylene	7.161	152	99002	2.710	ug/ml	98
53) 2,6-Dinitrotoluene	7.130	165	14214	3.086	ug/ml#	77
54) 1,2-Dinitrobenzene	7.170	168	6296	3.216	ug/ml#	1
64) 3-Nitroaniline	7.285	138	17413	3.059	ug/ml#	88
65) Acenaphthene	7.338	154	55491	2.470	ug/ml	92
66) 2,4-Dinitrophenol	7.387	184	6753	3.088	ug/ml	91
67) Dibenzofuran	7.509	168	90079	2.462	ug/ml	95
68) 2,4-Dinitrotoluene	7.521	165	19535	3.097	ug/ml	94
69) 4-Nitrophenol	7.484	65	11528	2.747	ug/ml#	72
70) 2,3,5,6-Tetrachlorophenol	7.602	232	17246	3.390	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL5.D
Acq On : 27 Aug 2025 9:46 pm
Operator : SV106:smz
Sample : IL6,32,,ABNL2.5 Lot# 11889
Misc : WG2108428,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 06:01:48 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:01:14 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.645	232	17457	3.238	ug/ml	98
72)	Diethyl phthalate	7.795	149	73993	2.540	ug/ml	99
73)	Fluorene	7.844	166	71519	2.508	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.872	204	34029	2.496	ug/ml	90
75)	4-Nitroaniline	7.875	138	16961	2.957	ug/ml#	80
76)	4,6-Dinitro-o-cresol	7.913	198	9796	3.507	ug/ml#	67
77)	NDPA/DPA	7.990	169	60263	2.620	ug/ml	94
78)	Azobenzene	8.022	77	64627	2.719	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.345	248	20697	2.473	ug/ml#	85
81)	Hexachlorobenzene	8.388	284	23450	2.487	ug/ml#	87
82)	Pentachlorophenol	8.587	266	12143	3.804	ug/ml	98
89)	Phenanthrene	8.777	178	111191	2.332	ug/ml	100
90)	Anthracene	8.827	178	111761	2.511	ug/ml	99
91)	Carbazole	9.001	167	105218	2.672	ug/ml	98
92)	Di-n-butylphthalate	9.414	149	120726	2.800	ug/ml	98
93)	Fluoranthene	9.942	202	123891M3	2.539	ug/ml	
94)	Benzidine	10.104	184	72311	4.723	ug/ml#	95
95)	Pyrene	10.154	202	132122	2.512	ug/ml	100
97)	Butyl benzyl phthalate	10.890	149	49602	2.974	ug/ml	86
105)	Benzo(a)anthracene	11.381	228	127121	2.461	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.394	252	46105	2.991	ug/ml	98
107)	Chrysene	11.416	228	126099	2.353	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.534	149	81893	2.953	ug/ml#	91
109)	Di-n-octylphthalate	12.211	149	126496	3.092	ug/ml#	73
110)	Benzo(b)fluoranthene	12.482	252	121066	2.504	ug/ml	94
111)	Benzo(k)fluoranthene	12.510	252	130243M3	2.690	ug/ml	
112)	Benzo(a)pyrene	12.792	252	117112	2.707	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.812	276	113109	2.658	ug/mL	95
115)	Dibenzo(a,h)anthracene	13.837	278	118633	2.581	ug/ml#	94
116)	Benzo(ghi)perylene	14.036	276	116099	2.492	ug/ml	93

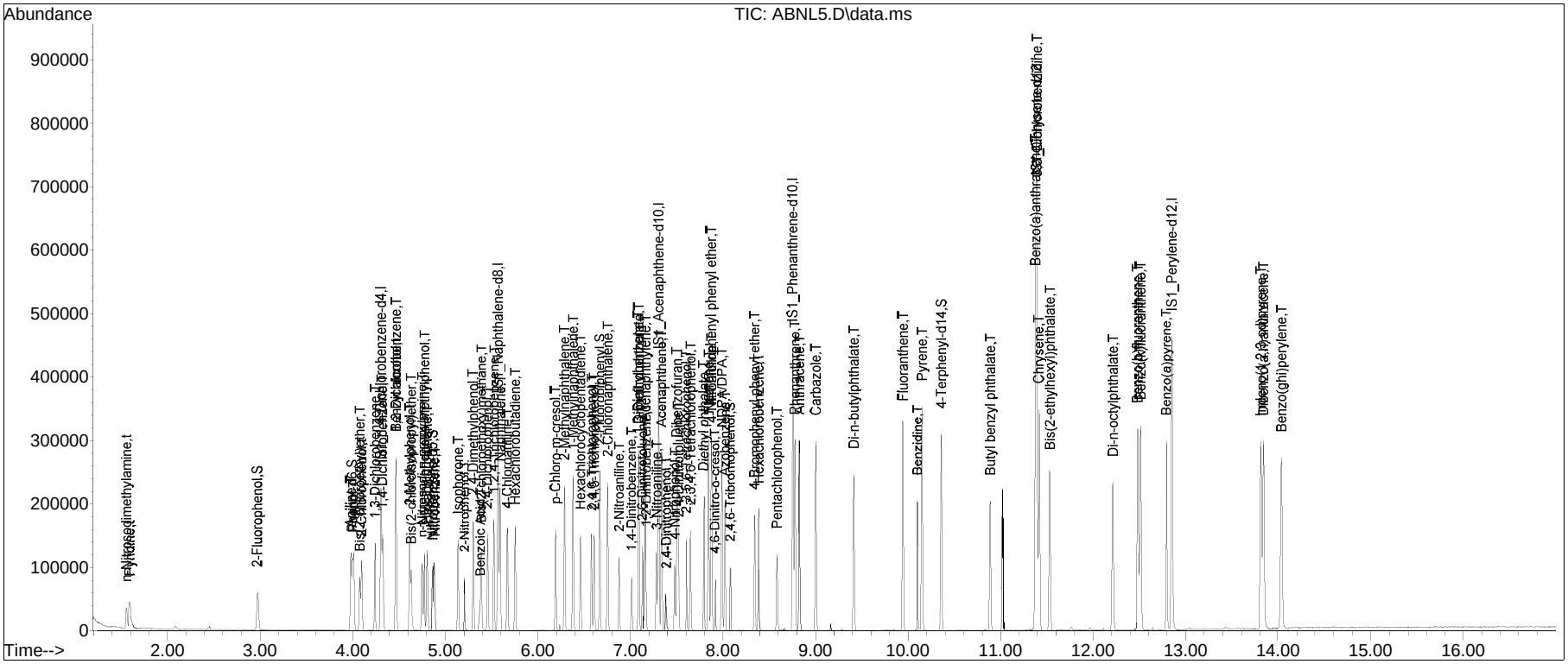
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL5.D
Acq On : 27 Aug 2025 9:46 pm
Operator : SV106:smz
Sample : IL6,32,,ABNL2.5 Lot# 11889
Misc : WG2108428,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 06:01:48 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:01:14 2025
Response via : Initial Calibration

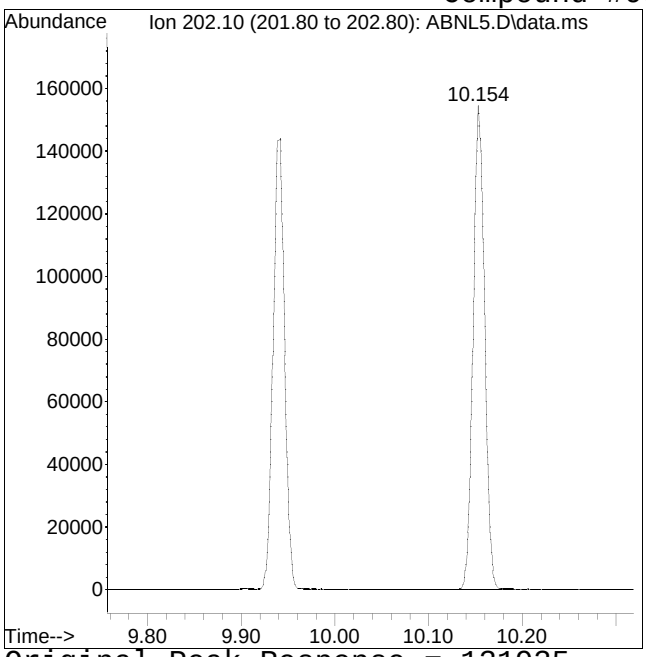
Sub List : ABNical - ABN ical sublistAL\AP9L6.D•

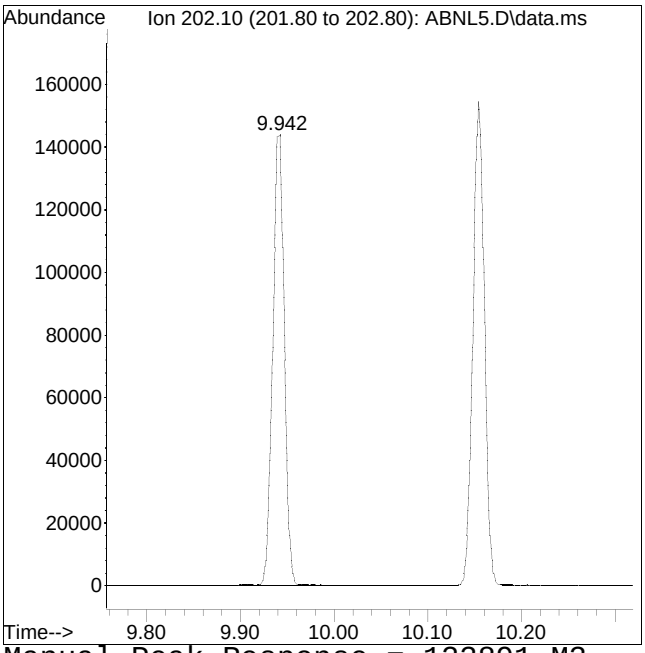


Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL5.D Operator : SV106:smz
Date Inj'd : 8/27/2025 9:46 pm Instrument : SV 106
Sample : IL6,32,,ABNL2.5 Lot# 11889Quant Date : 8/28/2025 6:01 am

Compound #93: Fluoranthene



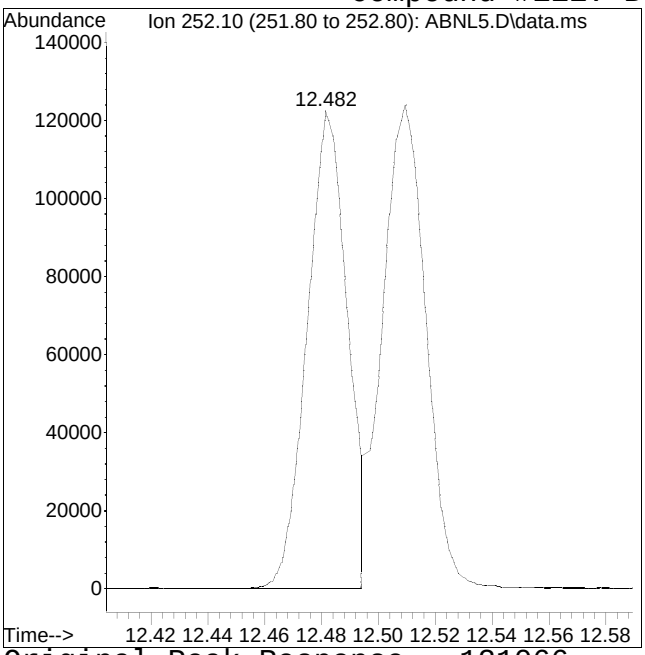


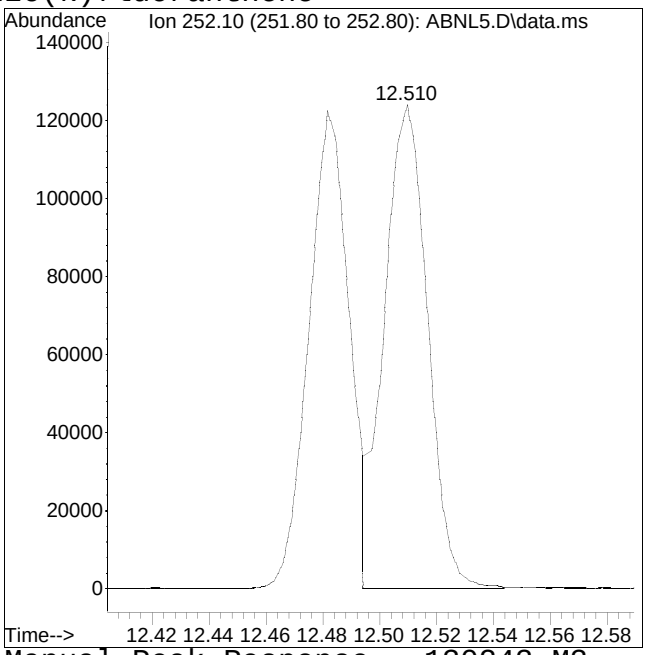
Original Peak Response = 131935 Manual Peak Response = 123891 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL5.D Operator : SV106:smz
Date Inj'd : 8/27/2025 9:46 pm Instrument : SV 106
Sample : IL6,32,,ABNL2.5 Lot# 11889 Quant Date : 8/28/2025 6:01 am

Compound #111: Benzo(k)fluoranthene





Original Peak Response = 121066 Manual Peak Response = 130243 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL4.D
Acq On : 27 Aug 2025 10:07 pm
Operator : SV106:smz
Sample : IL7,32,,ABNL1 Lot# 11890
Misc : WG2108428,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 10:24:57 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	32970	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery = 97.00%			
35) IS1_Naphthalene-d8	5.572	136	129515	4.000	ug/ml	0.00
Standard Area 1 = 135116			Recovery = 95.85%			
63) IS1_Acenaphthene-d10	7.307	164	75824	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery = 94.61%			
88) IS1_Phenanthrene-d10	8.755	188	145383	4.000	ug/ml	0.00
Standard Area 1 = 154754			Recovery = 93.94%			
104) IS1_Chrysene-d12	11.391	240	146136	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery = 93.17%			
113) IS1_Perylene-d12	12.855	264	159462	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery = 96.68%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.980	112	8820	0.968	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 48.40%			
7) Phenol-d6	3.993	99	10501	0.967	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 48.35%			
19) Nitrobenzene-d5	4.867	82	9829	0.972	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 97.20%			
46) 2-Fluorobiphenyl	6.670	172	26161	0.985	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 98.50%			
79) 2,4,6-Tribromophenol	8.081	330	3521	0.958	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 47.90%			
96) 4-Terphenyl-d14	10.359	244	34789	0.974	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 97.40%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.557	74	5363	0.986	ug/ml#	73
3) Pyridine	1.600	79	9200	0.987	ug/ml#	67
5) Aniline	3.978	93	14555	1.016	ug/ml	96
6) 2-Chlorophenol	4.093	128	10885	0.992	ug/ml#	88
8) Phenol	4.006	94	11787	0.992	ug/ml	94
9) Bis(2-chloroethyl)ether	4.074	93	9560	1.015	ug/ml#	85
10) 1,3-Dichlorobenzene	4.242	146	12946	0.983	ug/ml	95
11) 1,4-Dichlorobenzene	4.320	146	13319	0.989	ug/ml	99
12) 1,2-Dichlorobenzene	4.469	146	12688	0.979	ug/ml	94

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL4.D
Acq On : 27 Aug 2025 10:07 pm
Operator : SV106:smz
Sample : IL7,32,,ABNL1 Lot# 11890
Misc : WG2108428,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 10:24:57 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
13) Benzyl alcohol	4.472	79	7742	0.974 ug/ml	98
14) Bis(2-chloroisopropyl)...	4.634	45	15447	1.004 ug/ml#	58
15) 2-Methylphenol	4.615	108	8984	0.987 ug/ml	99
16) Hexachloroethane	4.808	117	4979	1.004 ug/ml#	74
17) n-Nitrosodi-n-propylamine	4.752	70	6635	0.988 ug/ml	95
18) 3-Methylphenol/4-Methy...	4.777	108	9646	0.970 ug/ml	98
20) Nitrobenzene	4.886	77	9928	0.956 ug/ml	94
21) Isophorone	5.137	82	17945	0.948 ug/ml	100
22) 2-Nitrophenol	5.209	139	4406	0.835 ug/ml	91
23) 2,4-Dimethylphenol	5.299	107	10043	0.958 ug/ml	95
24) Bis(2-chloroethoxy)met...	5.389	93	12469	0.978 ug/ml#	98
25) 2,4-Dichlorophenol	5.454	162	9353	0.970 ug/ml#	94
26) 1,2,4-Trichlorobenzene	5.529	180	11375	1.004 ug/ml	97
36) Naphthalene	5.594	128	34993	0.999 ug/ml	100
37) Benzoic Acid	5.364	105	4272	1.227 ug/ml	94
38) 4-Chloroaniline	5.672	65	3955	1.044 ug/ml#	67
39) Hexachlorobutadiene	5.756	225	6427	0.990 ug/ml	99
40) p-Chloro-m-cresol	6.191	107	8247	0.897 ug/ml	89
41) 2-Methylnaphthalene	6.287	142	20383	0.983 ug/ml	97
42) 1-Methylnaphthalene	6.380	115	7110	0.967 ug/ml	86
43) Hexachlorocyclopentadiene	6.461	237	8091	0.984 ug/ml	99
44) 2,4,6-Trichlorophenol	6.583	196	6818	0.987 ug/ml	96
45) 2,4,5-Trichlorophenol	6.611	196	7134	0.920 ug/ml	97
47) 2-Chloronaphthalene	6.760	162	23476	0.997 ug/ml	97
48) 2-Nitroaniline	6.875	138	6053	0.907 ug/ml#	79
49) 1,4-Dinitrobenzene	7.015	168	2908	0.925 ug/ml	78
50) 1,3-Dinitrobenzene	7.089	168	2959	0.818 ug/ml#	1
51) Dimethyl phthalate	7.092	163	27351	0.986 ug/ml#	98
52) Acenaphthylene	7.161	152	36958	0.975 ug/ml	100
53) 2,6-Dinitrotoluene	7.130	165	4966	0.918 ug/ml#	80
54) 1,2-Dinitrobenzene	7.167	168	2238	0.951 ug/ml#	1
64) 3-Nitroaniline	7.282	138	6014	0.929 ug/ml#	89
65) Acenaphthene	7.335	154	21600	1.003 ug/ml	91
66) 2,4-Dinitrophenol	7.388	184	2361	0.752 ug/ml#	84
67) Dibenzofuran	7.509	168	35271	1.009 ug/ml	95
68) 2,4-Dinitrotoluene	7.521	165	6602	0.906 ug/ml	99
69) 4-Nitrophenol	7.484	65	4161	0.922 ug/ml#	74
70) 2,3,5,6-Tetrachlorophenol	7.602	232	5979	0.928 ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL4.D
Acq On : 27 Aug 2025 10:07 pm
Operator : SV106:smz
Sample : IL7,32,,ABNL1 Lot# 11890
Misc : WG2108428,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 10:24:57 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
71) 2,3,4,6-Tetrachlorophenol	7.646	232	6047	0.967 ug/ml	96
72) Diethyl phthalate	7.795	149	27875	0.970 ug/ml	99
73) Fluorene	7.844	166	26852	0.979 ug/ml	95
74) 4-Chlorophenyl phenyl ...	7.872	204	13071	1.002 ug/ml	90
75) 4-Nitroaniline	7.875	138	6109	0.956 ug/ml#	79
76) 4,6-Dinitro-o-cresol	7.913	198	3328	0.821 ug/ml#	65
77) NDPA/DPA	7.990	169	23020	1.004 ug/ml	96
78) Azobenzene	8.022	77	23759	0.985 ug/ml	96
80) 4-Bromophenyl phenyl e...	8.345	248	7918	0.984 ug/ml#	83
81) Hexachlorobenzene	8.388	284	8800	0.977 ug/ml#	86
82) Pentachlorophenol	8.587	266	3728	0.703 ug/ml	99
89) Phenanthrene	8.774	178	42826	0.980 ug/ml	99
90) Anthracene	8.827	178	41695	0.974 ug/ml	99
91) Carbazole	9.001	167	38867	0.989 ug/ml	98
92) Di-n-butylphthalate	9.414	149	42427	0.922 ug/ml	99
93) Fluoranthene	9.942	202	46320M3	0.983 ug/ml	
94) Benzidine	10.104	184	21771	0.720 ug/ml#	96
95) Pyrene	10.154	202	50320	1.001 ug/ml	100
97) Butyl benzyl phthalate	10.890	149	16645	0.866 ug/ml	90
105) Benzo(a)anthracene	11.385	228	47845	0.971 ug/ml	99
106) 3,3'-Dichlorobenzidine	11.394	252	16110	0.950 ug/ml	98
107) Chrysene	11.419	228	48588	0.995 ug/ml	99
108) Bis(2-ethylhexyl)phtha...	11.534	149	27600	0.892 ug/ml#	90
109) Di-n-octylphthalate	12.211	149	41100	0.793 ug/ml#	73
110) Benzo(b)fluoranthene	12.485	252	46355	0.993 ug/ml	97
111) Benzo(k)fluoranthene	12.513	252	48092M3	1.010 ug/ml	
112) Benzo(a)pyrene	12.796	252	44388	1.015 ug/ml	96
114) Indeno(1,2,3-cd)pyrene	13.815	276	42365	0.932 ug/mL	95
115) Dibenzo(a,h)anthracene	13.843	278	45654	0.970 ug/ml	95
116) Benzo(ghi)perylene	14.039	276	44301	0.955 ug/ml	94

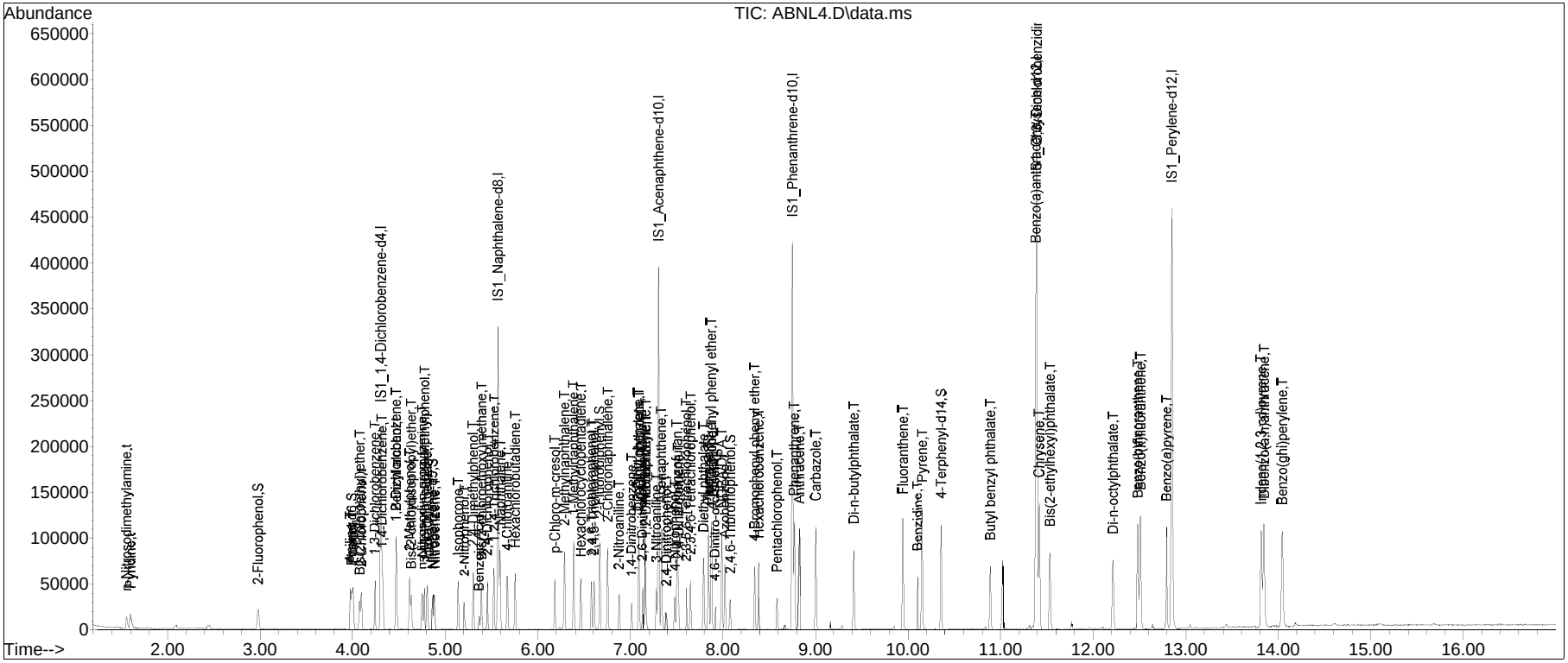
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL4.D
Acq On : 27 Aug 2025 10:07 pm
Operator : SV106:smz
Sample : IL7,32,,ABNL1 Lot# 11890
Misc : WG2108428,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 10:24:57 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

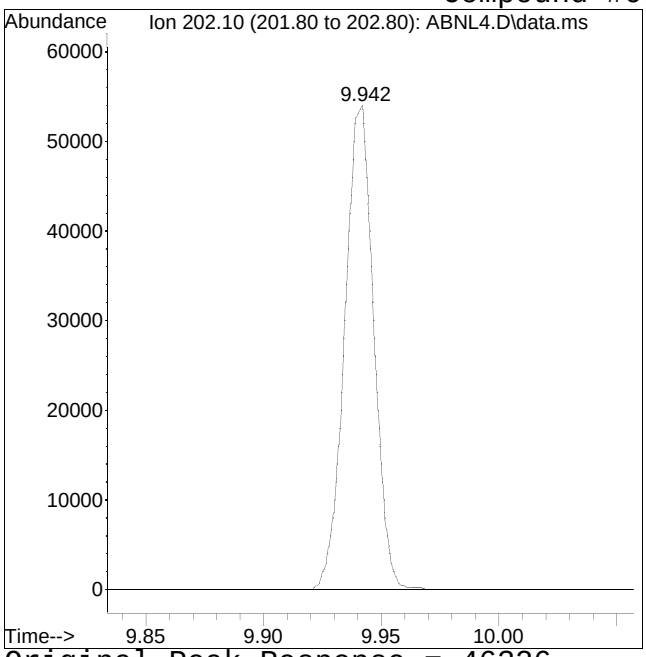
Sub List : ABNical - ABN ical sublistAL\AP9L6.D•

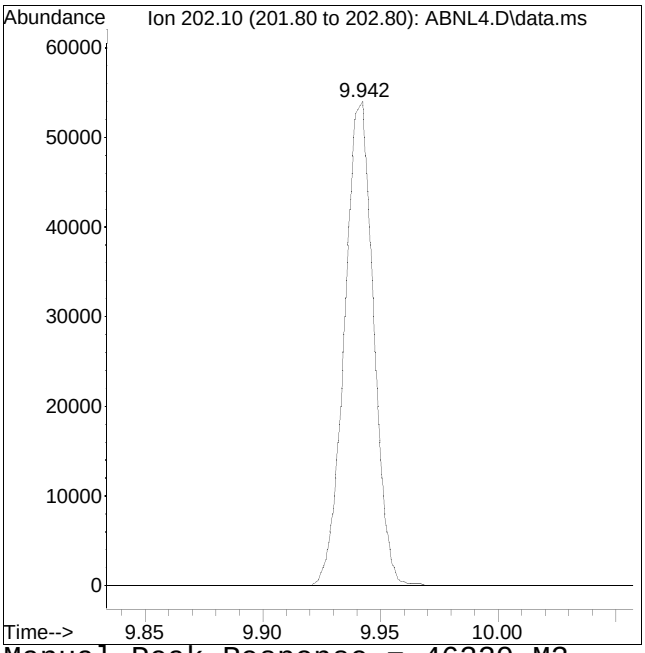


Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL4.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:07 pm Instrument : SV 106
Sample : IL7,32,,ABNL1 Lot# 11890 Quant Date : 8/28/2025 10:25 am

Compound #93: Fluoranthene





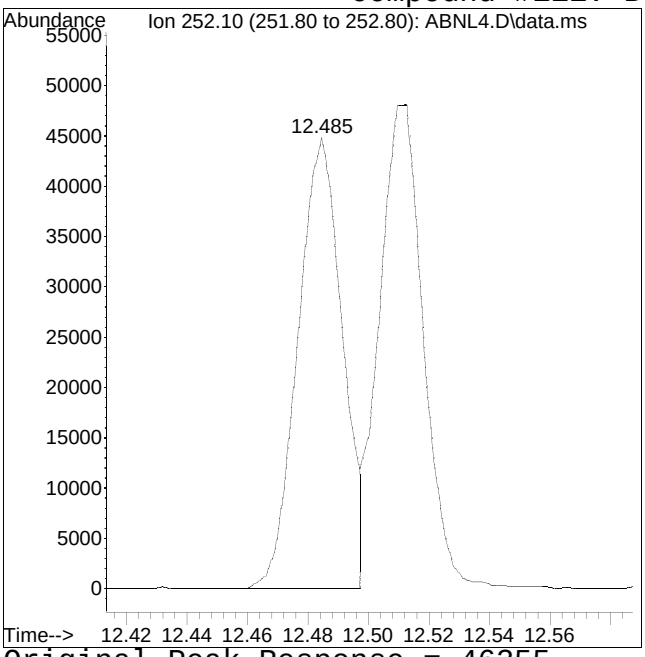
Original Peak Response = 46326 Manual Peak Response = 46320 M3

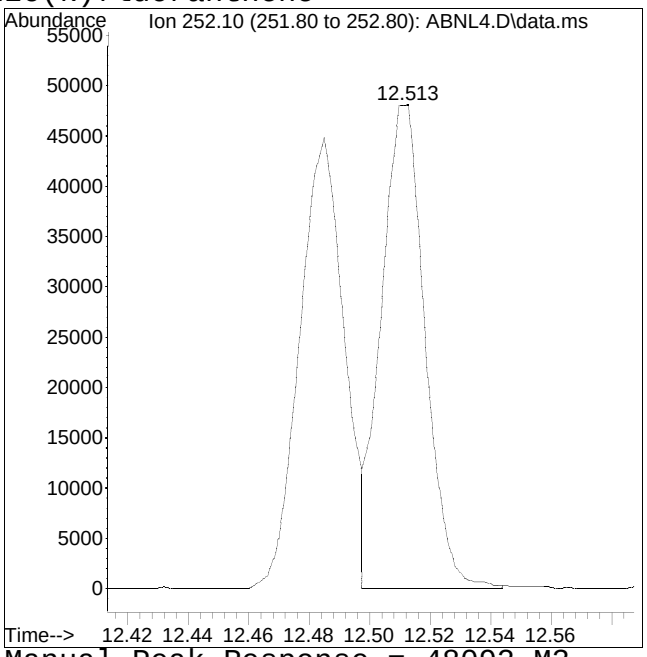
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL4.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:07 pm Instrument : SV 106
Sample : IL7,32,,ABNL1 Lot# 11890 Quant Date : 8/28/2025 10:25 am

Compound #111: Benzo(k)fluoranthene





Original Peak Response = 46355 Manual Peak Response = 48092 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL3.D
Acq On : 27 Aug 2025 10:28 pm
Operator : SV106:smz
Sample : IL8,32,,ABNL0.5 Lot# 11891
Misc : WG2108428,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 10:24:10 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.304	152	32913	4.000 ug/ml	0.00
Standard Area 1 = 33991			Recovery = 96.83%		
35) IS1_Naphthalene-d8	5.572	136	128086	4.000 ug/ml	0.00
Standard Area 1 = 135116			Recovery = 94.80%		
63) IS1_Acenaphthene-d10	7.307	164	73377	4.000 ug/ml	0.00
Standard Area 1 = 80147			Recovery = 91.55%		
88) IS1_Phenanthrene-d10	8.752	188	141605	4.000 ug/ml #	0.00
Standard Area 1 = 154754			Recovery = 91.50%		
104) IS1_Chrysene-d12	11.391	240	140335	4.000 ug/ml	0.00
Standard Area 1 = 156844			Recovery = 89.47%		
113) IS1_Perylene-d12	12.851	264	156713	4.000 ug/ml	0.00
Standard Area 1 = 164937			Recovery = 95.01%		
System Monitoring Compounds					
4) 2-Fluorophenol	2.977	112	4118	0.453 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 22.65%		
7) Phenol-d6	3.993	99	5313	0.490 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 24.50%		
19) Nitrobenzene-d5	4.867	82	4728	0.469 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 46.90%		
46) 2-Fluorobiphenyl	6.673	172	12749	0.485 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 48.50%		
79) 2,4,6-Tribromophenol	8.077	330	1596	0.449 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 22.45%		
96) 4-Terphenyl-d14	10.359	244	16587	0.477 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 47.70%		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.557	74	2668	0.491 ug/ml#	67
3) Pyridine	1.603	79	4463M1	0.480 ug/ml	
5) Aniline	3.975	93	6496	0.454 ug/ml	96
6) 2-Chlorophenol	4.093	128	5137	0.469 ug/ml#	90
8) Phenol	4.006	94	5768	0.486 ug/ml	94
9) Bis(2-chloroethyl)ether	4.074	93	4747	0.505 ug/ml	86
10) 1,3-Dichlorobenzene	4.245	146	6579	0.500 ug/ml	97
11) 1,4-Dichlorobenzene	4.320	146	6896	0.513 ug/ml	97
12) 1,2-Dichlorobenzene	4.472	146	6610	0.511 ug/ml	95

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL3.D
Acq On : 27 Aug 2025 10:28 pm
Operator : SV106:smz
Sample : IL8,32,,ABNL0.5 Lot# 11891
Misc : WG2108428,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 10:24:10 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.472	79	3733	0.470	ug/ml	93
14) Bis(2-chloroisopropyl)...	4.634	45	7711	0.502	ug/ml#	72
15) 2-Methylphenol	4.615	108	4449	0.490	ug/ml	100
16) Hexachloroethane	4.808	117	2438	0.492	ug/ml#	75
17) n-Nitrosodi-n-propylamine	4.752	70	2892	0.432	ug/ml#	90
18) 3-Methylphenol/4-Methy...	4.777	108	4504	0.454	ug/ml#	97
20) Nitrobenzene	4.885	77	5038	0.486	ug/ml#	95
21) Isophorone	5.137	82	8684	0.460	ug/ml#	91
22) 2-Nitrophenol	5.209	139	2196	0.417	ug/ml#	76
23) 2,4-Dimethylphenol	5.302	107	4597	0.439	ug/ml	91
24) Bis(2-chloroethoxy)met...	5.389	93	6140	0.483	ug/ml#	95
25) 2,4-Dichlorophenol	5.454	162	4338	0.451	ug/ml#	93
26) 1,2,4-Trichlorobenzene	5.529	180	5399	0.478	ug/ml	95
36) Naphthalene	5.594	128	17375	0.502	ug/ml	99
37) Benzoic Acid	5.361	105	1465	0.910	ug/ml	93
38) 4-Chloroaniline	5.675	65	1813	0.484	ug/ml#	61
39) Hexachlorobutadiene	5.756	225	3256	0.507	ug/ml	96
40) p-Chloro-m-cresol	6.191	107	4253	0.468	ug/ml	99
41) 2-Methylnaphthalene	6.287	142	9710	0.473	ug/ml	93
42) 1-Methylnaphthalene	6.380	115	3643	0.501	ug/ml	93
43) Hexachlorocyclopentadiene	6.464	237	3701	0.455	ug/ml#	95
44) 2,4,6-Trichlorophenol	6.585	196	3152	0.461	ug/ml	95
45) 2,4,5-Trichlorophenol	6.610	196	3154	0.411	ug/ml	95
47) 2-Chloronaphthalene	6.760	162	11439	0.491	ug/ml	96
48) 2-Nitroaniline	6.878	138	2723	0.413	ug/ml#	83
49) 1,4-Dinitrobenzene	7.018	168	1152	0.371	ug/ml	85
50) 1,3-Dinitrobenzene	7.089	168	1424	0.398	ug/ml#	1
51) Dimethyl phthalate	7.092	163	12588	0.459	ug/ml#	96
52) Acenaphthylene	7.160	152	17344	0.463	ug/ml	98
53) 2,6-Dinitrotoluene	7.129	165	2113	0.395	ug/ml#	83
54) 1,2-Dinitrobenzene	7.167	168	857	0.368	ug/ml#	1
64) 3-Nitroaniline	7.285	138	2624	0.419	ug/ml#	84
65) Acenaphthene	7.335	154	10128	0.486	ug/ml	86
66) 2,4-Dinitrophenol	7.387	184	914	0.301	ug/ml#	25
67) Dibenzofuran	7.509	168	16488	0.487	ug/ml	96
68) 2,4-Dinitrotoluene	7.518	165	3025	0.429	ug/ml	95
69) 4-Nitrophenol	7.484	65	1976	0.452	ug/ml	85
70) 2,3,5,6-Tetrachlorophenol	7.605	232	2580	0.414	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL3.D
Acq On : 27 Aug 2025 10:28 pm
Operator : SV106:smz
Sample : IL8,32,,ABNL0.5 Lot# 11891
Misc : WG2108428,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 10:24:10 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.645	232	2792	0.461	ug/ml	90
72)	Diethyl phthalate	7.791	149	12899	0.464	ug/ml	99
73)	Fluorene	7.844	166	12862	0.485	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.872	204	6214	0.492	ug/ml	92
75)	4-Nitroaniline	7.875	138	2572	0.416	ug/ml	85
76)	4,6-Dinitro-o-cresol	7.913	198	1361	0.347	ug/ml#	67
77)	NDPA/DPA	7.990	169	10268	0.463	ug/ml	92
78)	Azobenzene	8.021	77	11015	0.472	ug/ml	98
80)	4-Bromophenyl phenyl e...	8.345	248	3691	0.474	ug/ml#	88
81)	Hexachlorobenzene	8.385	284	4218	0.484	ug/ml#	86
82)	Pentachlorophenol	8.587	266	1511	0.295	ug/ml	90
89)	Phenanthrene	8.777	178	20869	0.490	ug/ml	99
90)	Anthracene	8.823	178	19598	0.470	ug/ml	99
91)	Carbazole	9.000	167	18163	0.475	ug/ml	99
92)	Di-n-butylphthalate	9.414	149	18944	0.423	ug/ml	97
93)	Fluoranthene	9.942	202	21374M3	0.466	ug/ml	
94)	Benzidine	10.104	184	8865	0.301	ug/ml#	97
95)	Pyrene	10.154	202	23126	0.472	ug/ml	98
97)	Butyl benzyl phthalate	10.890	149	7629	0.407	ug/ml	85
105)	Benzo(a)anthracene	11.381	228	22611	0.478	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.391	252	7188	0.441	ug/ml	98
107)	Chrysene	11.415	228	23647	0.504	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.534	149	12024	0.405	ug/ml#	89
109)	Di-n-octylphthalate	12.211	149	18152	0.365	ug/ml#	73
110)	Benzo(b)fluoranthene	12.482	252	22316M3	0.498	ug/ml	
111)	Benzo(k)fluoranthene	12.510	252	21176	0.463	ug/ml	99
112)	Benzo(a)pyrene	12.795	252	19740	0.470	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	13.812	276	19422M3	0.435	ug/mL	
115)	Dibenzo(a,h)anthracene	13.837	278	21229	0.459	ug/ml	94
116)	Benzo(ghi)perylene	14.036	276	21204	0.465	ug/ml#	92

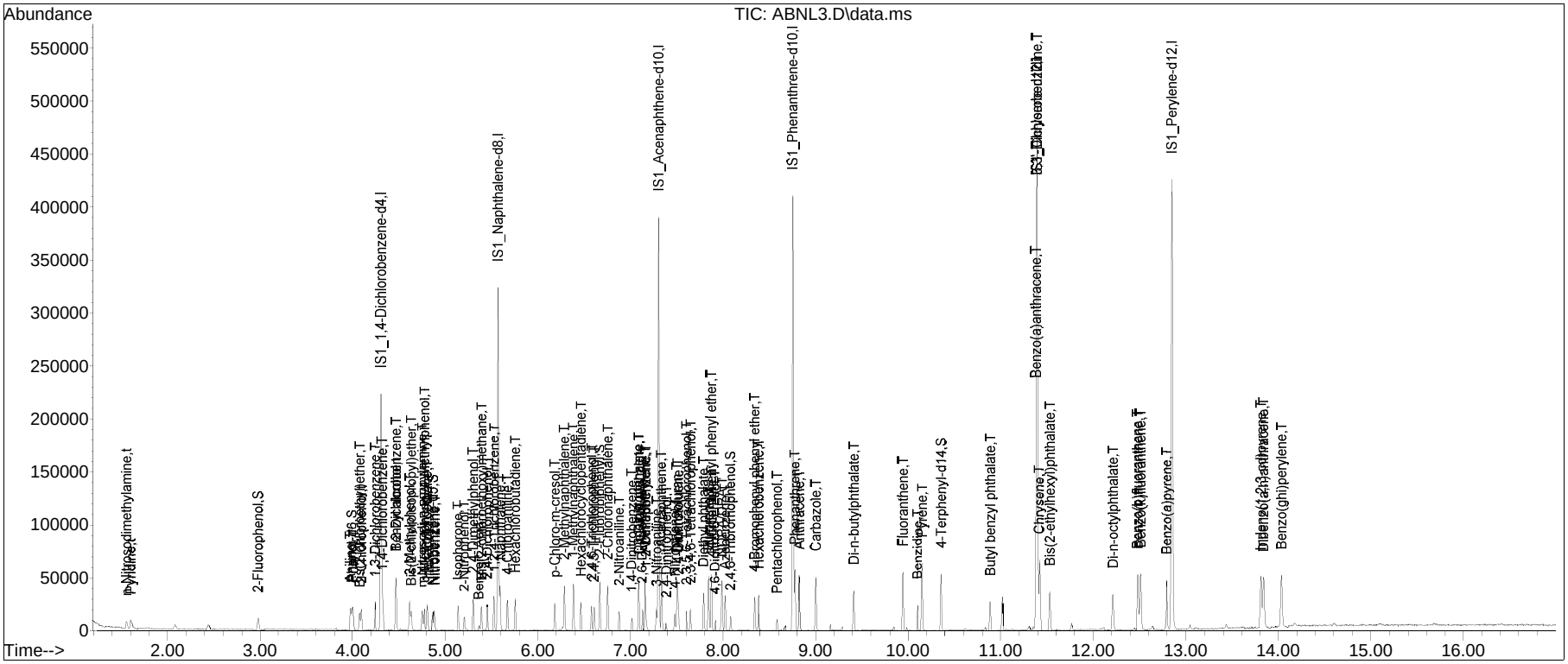
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL3.D
Acq On : 27 Aug 2025 10:28 pm
Operator : SV106:smz
Sample : IL8,32,,ABNL0.5 Lot# 11891
Misc : WG2108428,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 10:24:10 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

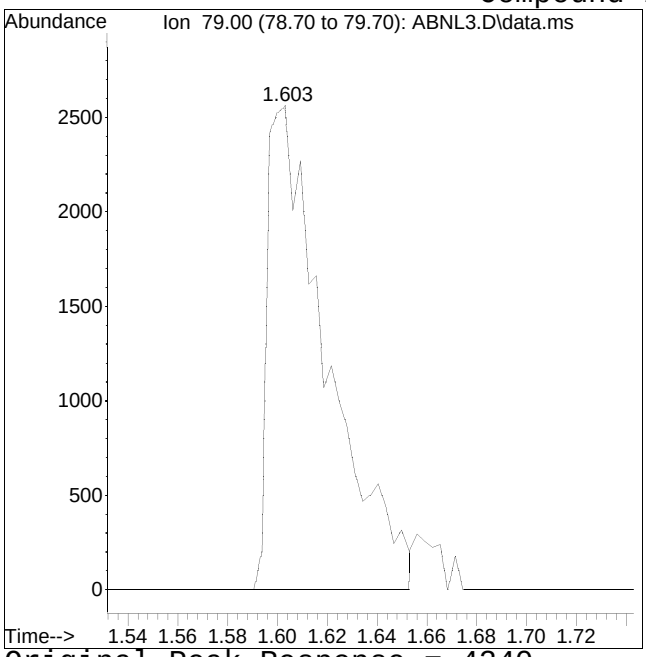
Sub List : ABNical - ABN ical sublistAL\AP9L6.D•

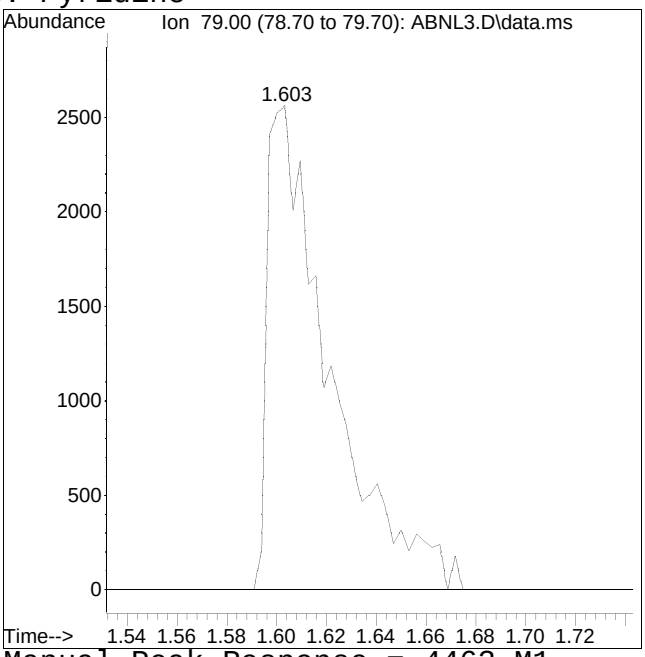


Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL3.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:28 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 11891 Quant Date : 8/28/2025 10:24 am

Compound #3: Pyridine



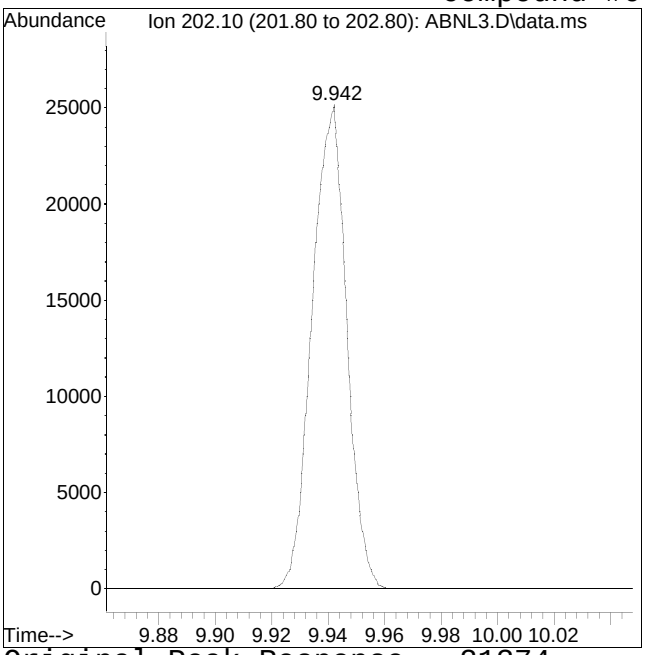


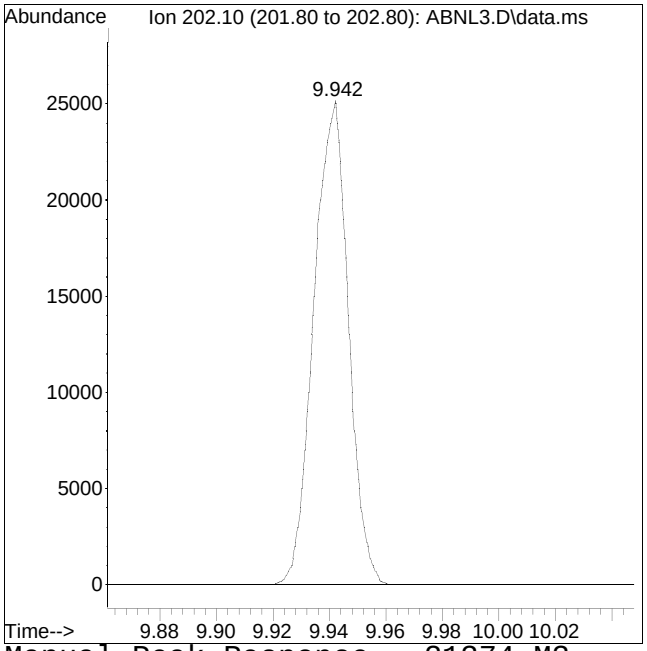
Original Peak Response = 4240 Manual Peak Response = 4463 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL3.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:28 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 11891 Quant Date : 8/28/2025 10:24 am

Compound #93: Fluoranthene





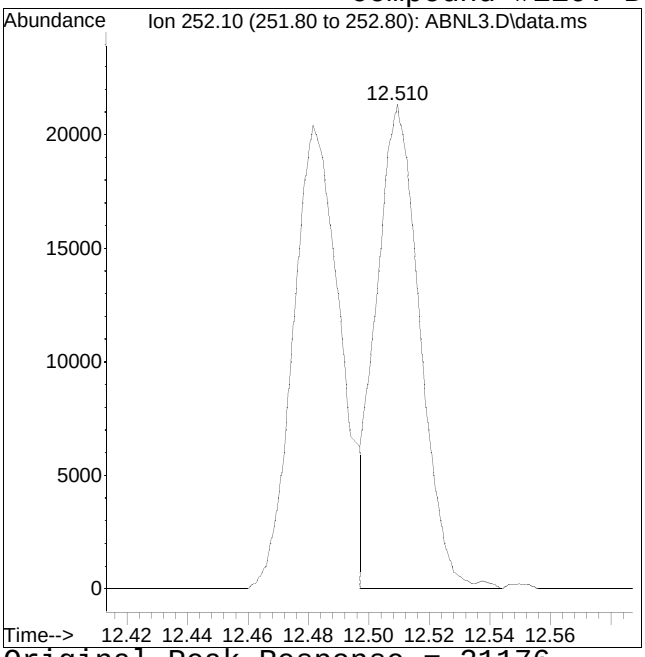
Original Peak Response = 21374 Manual Peak Response = 21374 M3

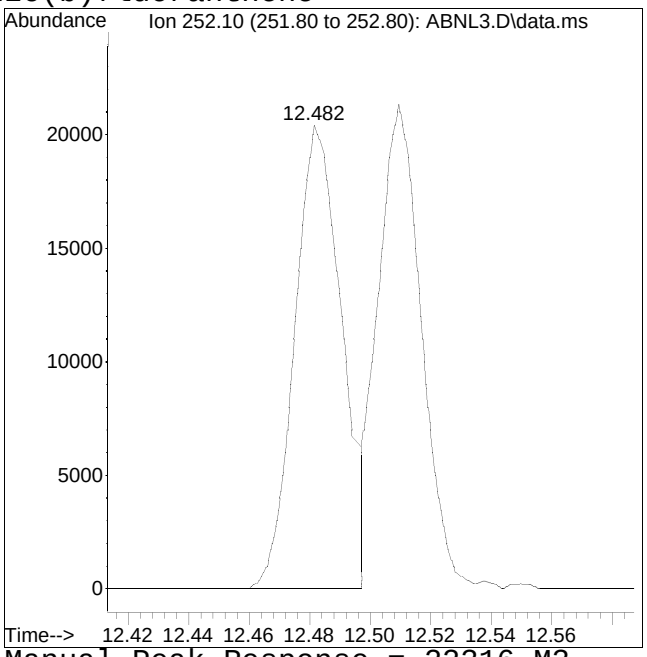
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL3.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:28 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 11891 Quant Date : 8/28/2025 10:24 am

Compound #110: Benzo(b)fluoranthene





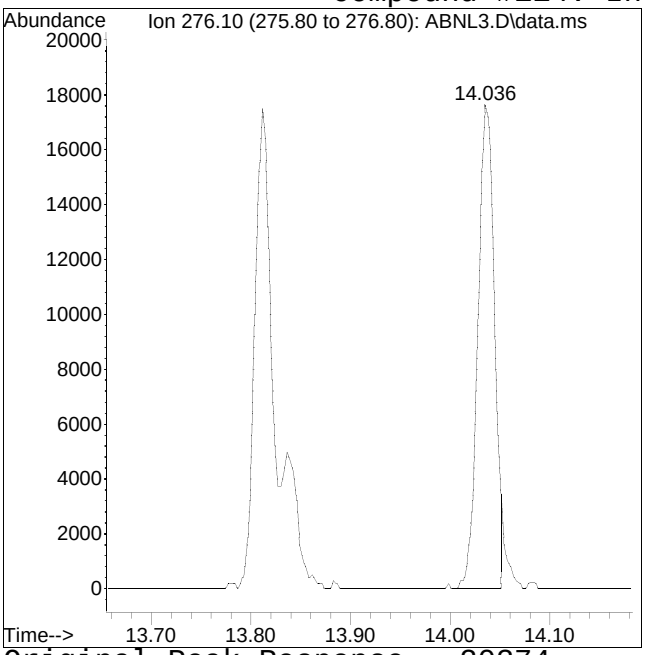
Original Peak Response = 21176 Manual Peak Response = 22316 M3

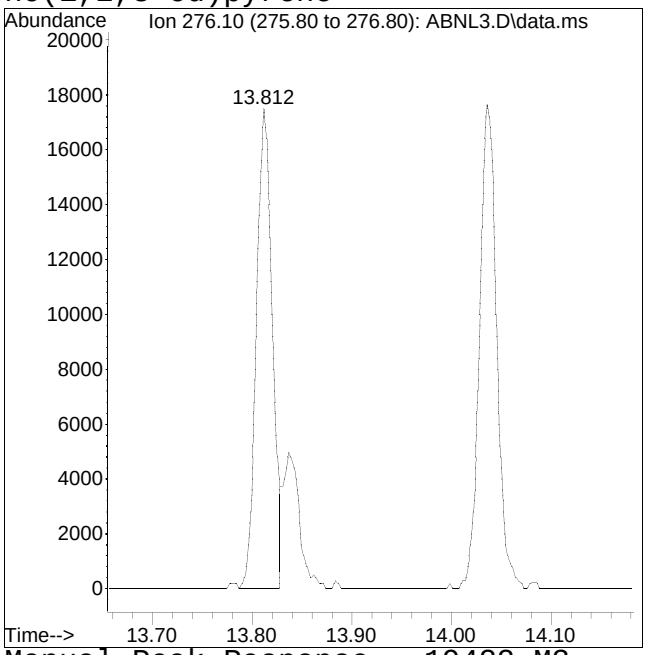
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL3.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:28 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 11891 Quant Date : 8/28/2025 10:24 am

Compound #114: Indeno(1,2,3-cd)pyrene





Original Peak Response = 20374 Manual Peak Response = 19422 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL2.D
Acq On : 27 Aug 2025 10:50 pm
Operator : SV106:smz
Sample : IL9,32,,ABNL0.2 Lot# 11892
Misc : WG2108428,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 10:23:40 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	33315	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery = 98.01%			
35) IS1_Naphthalene-d8	5.572	136	129159	4.000	ug/ml	# 0.00
Standard Area 1 = 135116			Recovery = 95.59%			
63) IS1_Acenaphthene-d10	7.304	164	74464	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery = 92.91%			
88) IS1_Phenanthrene-d10	8.752	188	144582	4.000	ug/ml	0.00
Standard Area 1 = 154754			Recovery = 93.43%			
104) IS1_Chrysene-d12	11.391	240	140266	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery = 89.43%			
113) IS1_Perylene-d12	12.855	264	152427	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery = 92.42%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.980	112	1700	0.185	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 9.25%#			
7) Phenol-d6	3.994	99	2058	0.187	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 9.35%#			
19) Nitrobenzene-d5	4.867	82	1806	0.177	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 17.70%#			
46) 2-Fluorobiphenyl	6.670	172	5394	0.204	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 20.40%#			
79) 2,4,6-Tribromophenol	8.078	330	567	0.157	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 7.85%#			
96) 4-Terphenyl-d14	10.359	244	6848	0.193	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 19.30%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.563	74	1044	0.190	ug/ml#	76
3) Pyridine	1.613	79	1674	0.178	ug/ml#	72
5) Aniline	3.978	93	2195	0.152	ug/ml#	82
6) 2-Chlorophenol	4.090	128	1899	0.171	ug/ml	92
8) Phenol	4.006	94	2227	0.186	ug/ml	91
9) Bis(2-chloroethyl)ether	4.077	93	1759	0.185	ug/ml	90
10) 1,3-Dichlorobenzene	4.245	146	2775	0.208	ug/ml	94
11) 1,4-Dichlorobenzene	4.323	146	2550	0.187	ug/ml	87
12) 1,2-Dichlorobenzene	4.469	146	2668	0.204	ug/ml	95

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL2.D
Acq On : 27 Aug 2025 10:50 pm
Operator : SV106:smz
Sample : IL9,32,,ABNL0.2 Lot# 11892
Misc : WG2108428,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 10:23:40 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
13) Benzyl alcohol	4.472	79	1530	0.191 ug/ml	90
14) Bis(2-chloroisopropyl)...	4.634	45	3021	0.194 ug/ml#	59
15) 2-Methylphenol	4.615	108	1526	0.166 ug/ml#	80
16) Hexachloroethane	4.805	117	993	0.198 ug/ml#	75
17) n-Nitrosodi-n-propylamine	4.755	70	1209	0.178 ug/ml#	59
18) 3-Methylphenol/4-Methy...	4.777	108	1794	0.178 ug/ml#	96
20) Nitrobenzene	4.886	77	1880	0.179 ug/ml#	86
21) Isophorone	5.140	82	3472	0.182 ug/ml#	94
22) 2-Nitrophenol	5.209	139	821	0.154 ug/ml#	31
23) 2,4-Dimethylphenol	5.302	107	1916	0.181 ug/ml	95
24) Bis(2-chloroethoxy)met...	5.389	93	2494	0.194 ug/ml#	89
25) 2,4-Dichlorophenol	5.454	162	1579	0.162 ug/ml#	69
26) 1,2,4-Trichlorobenzene	5.529	180	2213	0.193 ug/ml	91
36) Naphthalene	5.594	128	7189	0.206 ug/ml	99
37) Benzoic Acid	0.000		0	N.D.	
38) 4-Chloroaniline	5.672	65	617	0.163 ug/ml#	34
39) Hexachlorobutadiene	5.756	225	1340	0.207 ug/ml	92
40) p-Chloro-m-cresol	6.188	107	1599	0.174 ug/ml#	81
41) 2-Methylnaphthalene	6.287	142	4131	0.200 ug/ml	96
42) 1-Methylnaphthalene	6.381	115	1502	0.205 ug/ml	95
43) Hexachlorocyclopentadiene	6.461	237	1488	0.181 ug/ml#	91
44) 2,4,6-Trichlorophenol	6.586	196	1065	0.155 ug/ml#	81
45) 2,4,5-Trichlorophenol	6.614	196	1293	0.167 ug/ml#	78
47) 2-Chloronaphthalene	6.760	162	4798	0.204 ug/ml	97
48) 2-Nitroaniline	6.875	138	1040	0.156 ug/ml	87
49) 1,4-Dinitrobenzene	7.018	168	458M3	0.146 ug/ml	
50) 1,3-Dinitrobenzene	7.089	168	582	0.161 ug/ml#	1
51) Dimethyl phthalate	7.089	163	5325	0.192 ug/ml#	96
52) Acenaphthylene	7.161	152	6866	0.182 ug/ml	98
53) 2,6-Dinitrotoluene	7.133	165	844	0.156 ug/ml#	84
54) 1,2-Dinitrobenzene	7.170	168	350M3	0.149 ug/ml	
64) 3-Nitroaniline	7.282	138	1013	0.159 ug/ml#	58
65) Acenaphthene	7.335	154	4137	0.196 ug/ml	83
66) 2,4-Dinitrophenol	0.000		0	N.D.	
67) Dibenzofuran	7.509	168	7190	0.209 ug/ml	94
68) 2,4-Dinitrotoluene	7.521	165	1129	0.158 ug/ml	98
69) 4-Nitrophenol	7.487	65	655	0.148 ug/ml#	58
70) 2,3,5,6-Tetrachlorophenol	7.605	232	875	0.138 ug/ml#	73

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL2.D
Acq On : 27 Aug 2025 10:50 pm
Operator : SV106:smz
Sample : IL9,32,,ABNL0.2 Lot# 11892
Misc : WG2108428,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 10:23:40 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.646	232	855	0.139	ug/ml#	68
72)	Diethyl phthalate	7.795	149	5540	0.196	ug/ml	96
73)	Fluorene	7.845	166	5409	0.201	ug/ml	97
74)	4-Chlorophenyl phenyl ...	7.869	204	2478	0.193	ug/ml	93
75)	4-Nitroaniline	7.876	138	1095	0.175	ug/ml#	69
76)	4,6-Dinitro-o-cresol	7.916	198	556	0.140	ug/ml#	31
77)	NDPA/DPA	7.987	169	4251	0.189	ug/ml	93
78)	Azobenzene	8.022	77	4329	0.183	ug/ml#	90
80)	4-Bromophenyl phenyl e...	8.342	248	1608	0.204	ug/ml#	82
81)	Hexachlorobenzene	8.385	284	1817	0.205	ug/ml#	86
82)	Pentachlorophenol	8.584	266	482M2	0.093	ug/ml	
89)	Phenanthrene	8.774	178	9129	0.210	ug/ml	99
90)	Anthracene	8.824	178	8564	0.201	ug/ml	99
91)	Carbazole	9.001	167	7393	0.189	ug/ml	98
92)	Di-n-butylphthalate	9.411	149	8012	0.175	ug/ml#	93
93)	Fluoranthene	9.939	202	9113	0.195	ug/ml#	93
94)	Benzidine	10.104	184	1668	0.055	ug/ml#	68
95)	Pyrene	10.154	202	9873	0.198	ug/ml	98
97)	Butyl benzyl phthalate	10.887	149	2946	0.154	ug/ml#	81
105)	Benzo(a)anthracene	11.382	228	9225	0.195	ug/ml	97
106)	3,3'-Dichlorobenzidine	11.391	252	2673	0.164	ug/ml	93
107)	Chrysene	11.419	228	10123	0.216	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	11.531	149	4573	0.154	ug/ml#	89
109)	Di-n-octylphthalate	12.208	149	6756	0.136	ug/ml#	72
110)	Benzo(b)fluoranthene	12.485	252	8708M3	0.194	ug/ml	
111)	Benzo(k)fluoranthene	12.510	252	8705	0.191	ug/ml	96
112)	Benzo(a)pyrene	12.793	252	7548	0.180	ug/ml	95
114)	Indeno(1,2,3-cd)pyrene	13.812	276	7575	0.174	ug/mL	92
115)	Dibenzo(a,h)anthracene	13.840	278	8481	0.188	ug/ml#	92
116)	Benzo(ghi)perylene	14.039	276	8549	0.193	ug/ml#	90

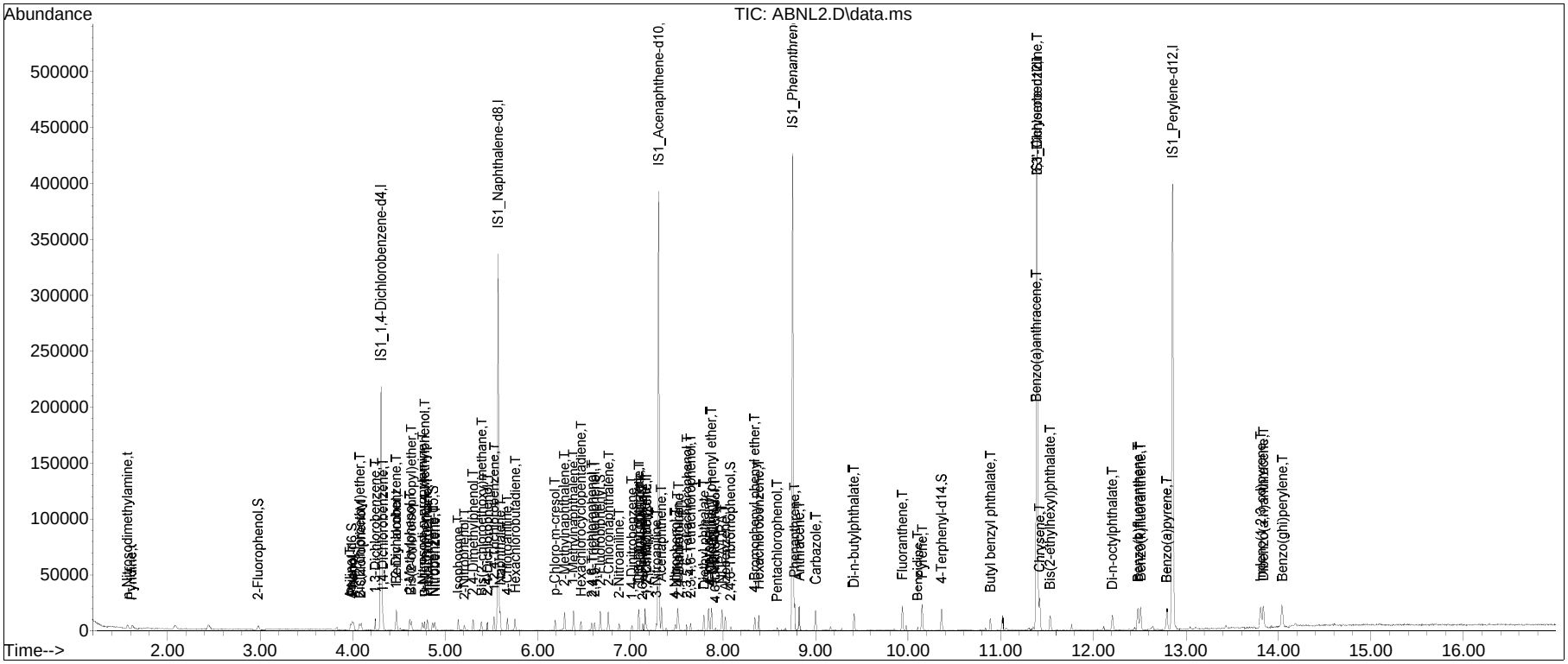
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL2.D
Acq On : 27 Aug 2025 10:50 pm
Operator : SV106:smz
Sample : IL9,32,,ABNL0.2 Lot# 11892
Misc : WG2108428,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 10:23:40 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

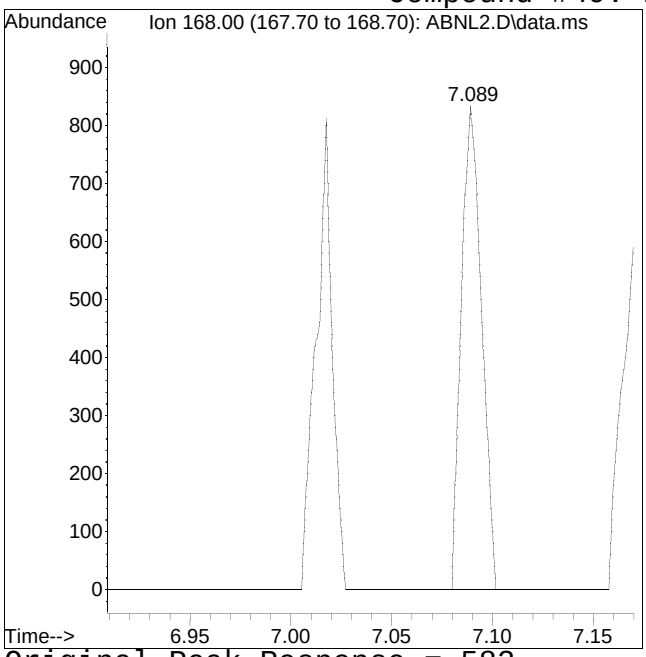
Sub List : ABNical - ABN ical sublistAL\AP9L6.D•

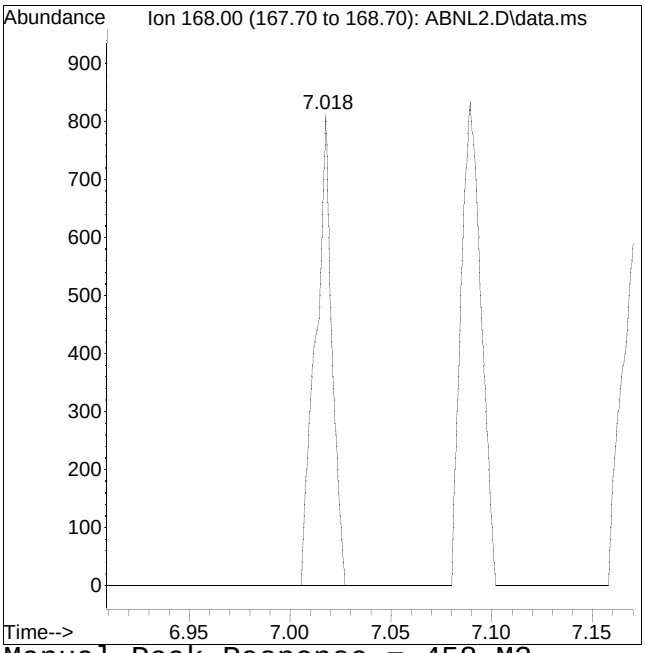


Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL2.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:50 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11892 Quant Date : 8/28/2025 10:24 am

Compound #49: 1,4-Dinitrobenzene





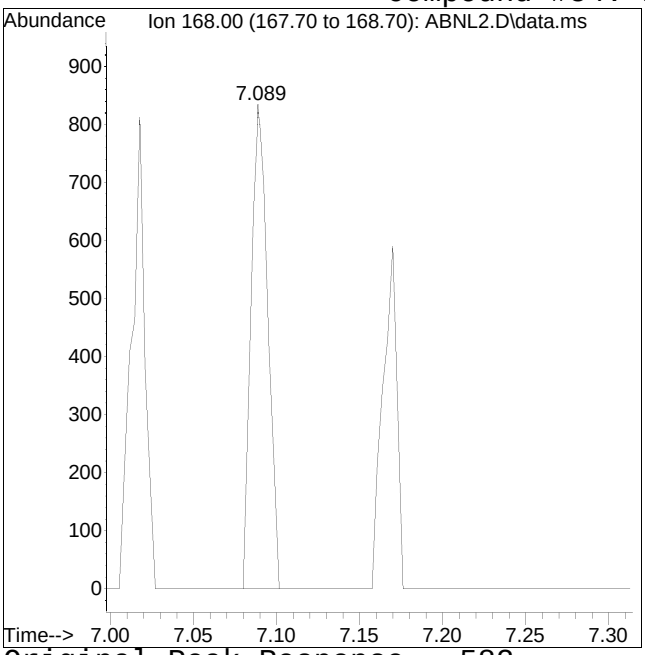
Original Peak Response = 582 Manual Peak Response = 458 M3

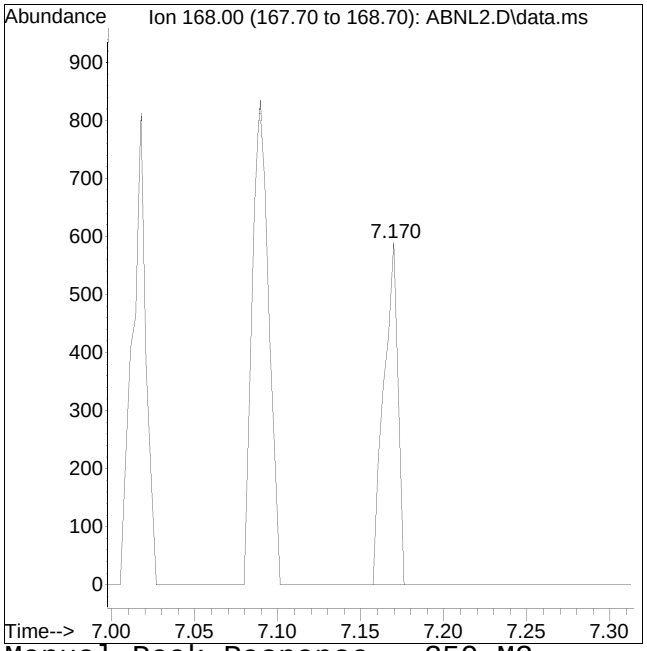
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL2.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:50 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11892 Quant Date : 8/28/2025 10:24 am

Compound #54: 1,2-Dinitrobenzene





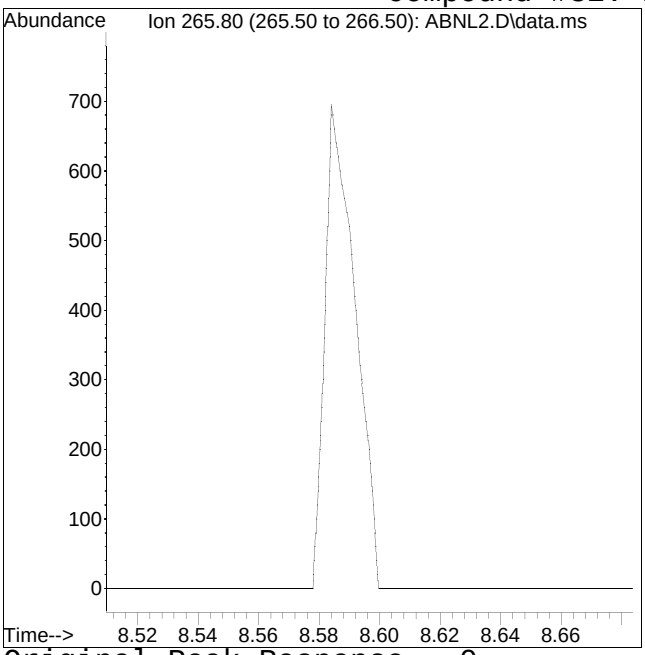
Original Peak Response = 582 Manual Peak Response = 350 M3

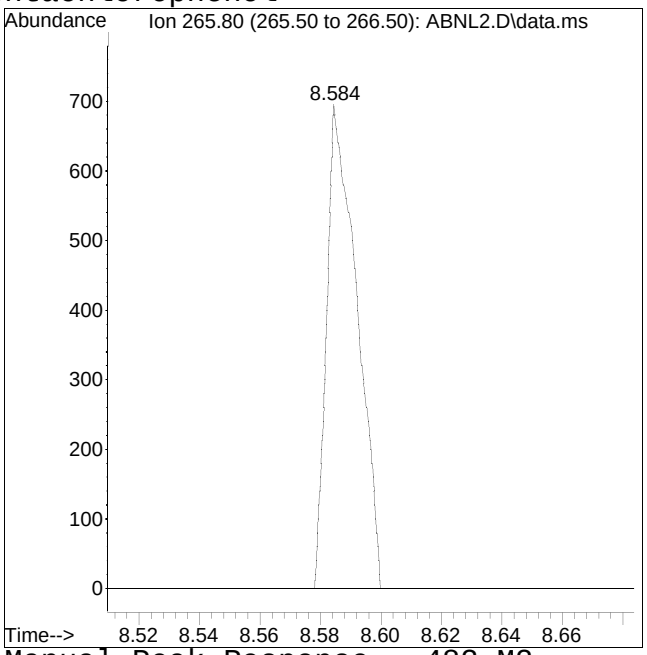
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL2.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:50 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11892 Quant Date : 8/28/2025 10:24 am

Compound #82: Pentachlorophenol



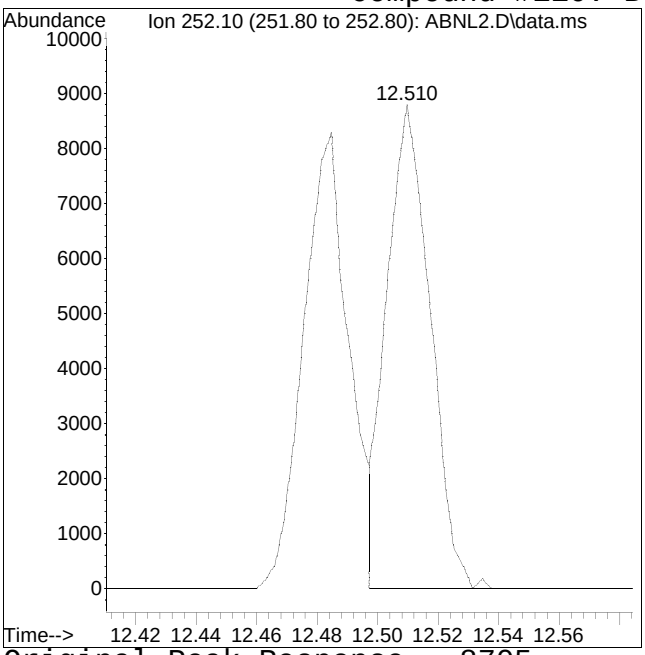


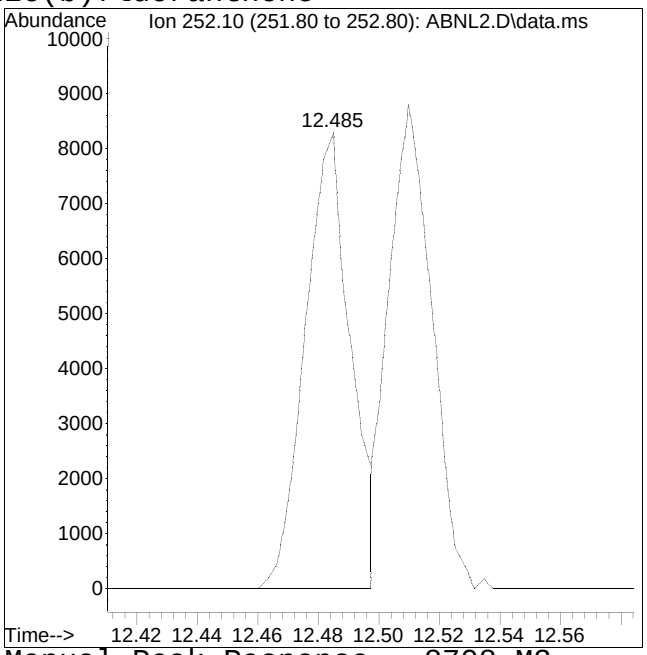
Original Peak Response = 0 Manual Peak Response = 482 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL2.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:50 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11892 Quant Date : 8/28/2025 10:24 am

Compound #110: Benzo(b)fluoranthene





Original Peak Response = 8705 Manual Peak Response = 8708 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL1.D
Acq On : 27 Aug 2025 11:11 pm
Operator : SV106:smz
Sample : IL10,32,,ABNL0.1 Lot# 11893
Misc : WG2108428,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 10:34:38 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	33092	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery = 97.36%			
35) IS1_Naphthalene-d8	5.572	136	126528	4.000	ug/ml	0.00
Standard Area 1 = 135116			Recovery = 93.64%			
63) IS1_Acenaphthene-d10	7.307	164	71183	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery = 88.82%			
88) IS1_Phenanthrene-d10	8.752	188	141603	4.000	ug/ml	0.00
Standard Area 1 = 154754			Recovery = 91.50%			
104) IS1_Chrysene-d12	11.391	240	138097	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery = 88.05%			
113) IS1_Perylene-d12	12.851	264	148869	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery = 90.26%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.977	112	827	0.090	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 4.50%#			
7) Phenol-d6	3.993	99	933	0.086	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 4.30%#			
19) Nitrobenzene-d5	4.867	82	916	0.090	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 9.00%#			
46) 2-Fluorobiphenyl	6.673	172	2668	0.103	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 10.30%#			
79) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/ml	
Spiked Amount 2.000	Range 15 - 110		Recovery = 0.00%#			
96) 4-Terphenyl-d14	10.356	244	3986	0.115	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 11.50%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.566	74	517	0.095	ug/ml#	1
3) Pyridine	1.625	79	752	0.080	ug/ml#	1
5) Aniline	3.978	93	718	0.050	ug/ml#	41
6) 2-Chlorophenol	4.093	128	1019	0.092	ug/ml#	30
8) Phenol	4.006	94	1037	0.087	ug/ml#	37
9) Bis(2-chloroethyl)ether	4.074	93	891	0.094	ug/ml#	83
10) 1,3-Dichlorobenzene	4.245	146	1258	0.095	ug/ml	95
11) 1,4-Dichlorobenzene	4.323	146	1373M3	0.102	ug/ml	
12) 1,2-Dichlorobenzene	4.469	146	1287M3	0.099	ug/ml	

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL1.D
Acq On : 27 Aug 2025 11:11 pm
Operator : SV106:smz
Sample : IL10,32,,ABNL0.1 Lot# 11893
Misc : WG2108428,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 10:34:38 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
13) Benzyl alcohol	4.478	79	655	0.082 ug/ml#	53
14) Bis(2-chloroisopropyl)...	4.631	45	1546	0.100 ug/ml#	72
15) 2-Methylphenol	4.615	108	846	0.093 ug/ml#	86
16) Hexachloroethane	4.811	117	406M2	0.082 ug/ml	
17) n-Nitrosodi-n-propylamine	4.758	70	591	0.088 ug/ml#	59
18) 3-Methylphenol/4-Methy...	4.780	108	994	0.100 ug/ml#	90
20) Nitrobenzene	4.885	77	922	0.088 ug/ml#	39
21) Isophorone	5.140	82	1683	0.089 ug/ml#	65
22) 2-Nitrophenol	0.000		0	N.D.	
23) 2,4-Dimethylphenol	5.302	107	945	0.090 ug/ml#	69
24) Bis(2-chloroethoxy)met...	5.389	93	1151	0.090 ug/ml#	50
25) 2,4-Dichlorophenol	5.454	162	818	0.085 ug/ml#	25
26) 1,2,4-Trichlorobenzene	5.529	180	1110	0.098 ug/ml#	85
36) Naphthalene	5.594	128	3422	0.100 ug/ml#	54
37) Benzoic Acid	0.000		0	N.D.	
38) 4-Chloroaniline	5.672	65	317M2	0.086 ug/ml	
39) Hexachlorobutadiene	5.756	225	563	0.089 ug/ml#	18
40) p-Chloro-m-cresol	6.191	107	879	0.098 ug/ml#	85
41) 2-Methylnaphthalene	6.290	142	2129	0.105 ug/ml	96
42) 1-Methylnaphthalene	6.383	115	662	0.092 ug/ml#	70
43) Hexachlorocyclopentadiene	6.464	237	767	0.095 ug/ml#	27
44) 2,4,6-Trichlorophenol	6.586	196	507	0.075 ug/ml#	77
45) 2,4,5-Trichlorophenol	6.610	196	707	0.093 ug/ml#	72
47) 2-Chloronaphthalene	6.760	162	2198	0.096 ug/ml	96
48) 2-Nitroaniline	6.875	138	491M2	0.075 ug/ml	
49) 1,4-Dinitrobenzene	0.000		0	N.D.	
50) 1,3-Dinitrobenzene	0.000		0	N.D.	
51) Dimethyl phthalate	7.092	163	2637	0.097 ug/ml#	77
52) Acenaphthylene	7.161	152	3514	0.095 ug/ml#	86
53) 2,6-Dinitrotoluene	0.000		0	N.D. d	
54) 1,2-Dinitrobenzene	0.000		0	N.D.	
64) 3-Nitroaniline	0.000		0	N.D.	
65) Acenaphthene	7.335	154	2227	0.110 ug/ml	98
66) 2,4-Dinitrophenol	0.000		0	N.D.	
67) Dibenzofuran	7.512	168	3406	0.104 ug/ml	97
68) 2,4-Dinitrotoluene	7.521	165	555	0.081 ug/ml#	64
69) 4-Nitrophenol	7.487	65	444M3	0.105 ug/ml	
70) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D. d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL1.D
Acq On : 27 Aug 2025 11:11 pm
Operator : SV106:smz
Sample : IL10,32,,ABNL0.1 Lot# 11893
Misc : WG2108428,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 10:34:38 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.645	232	449M2	0.076	ug/ml		
72)	Diethyl phthalate	7.791	149	2862	0.106	ug/ml	#	87
73)	Fluorene	7.844	166	2804	0.109	ug/ml	#	96
74)	4-Chlorophenyl phenyl ...	7.869	204	1357	0.111	ug/ml	#	64
75)	4-Nitroaniline	7.875	138	497M2	0.083	ug/ml		
76)	4,6-Dinitro-o-cresol	0.000		0	N.D.	d		
77)	NDPA/DPA	7.990	169	2207	0.103	ug/ml		93
78)	Azobenzene	8.021	77	2235	0.099	ug/ml	#	56
80)	4-Bromophenyl phenyl e...	8.342	248	826	0.109	ug/ml	#	82
81)	Hexachlorobenzene	8.385	284	927	0.110	ug/ml	#	33
82)	Pentachlorophenol	0.000		0	N.D.			
89)	Phenanthrene	8.774	178	4852	0.114	ug/ml		96
90)	Anthracene	8.826	178	4315	0.103	ug/ml		98
91)	Carbazole	9.001	167	3550	0.093	ug/ml	#	86
92)	Di-n-butylphthalate	9.414	149	4129	0.092	ug/ml	#	79
93)	Fluoranthene	9.939	202	4829	0.105	ug/ml		96
94)	Benzidine	10.104	184	963	0.033	ug/ml	#	68
95)	Pyrene	10.154	202	5130	0.105	ug/ml		97
97)	Butyl benzyl phthalate	10.887	149	1591	0.085	ug/ml	#	76
105)	Benzo(a)anthracene	11.381	228	5218	0.112	ug/ml		97
106)	3,3'-Dichlorobenzidine	11.391	252	1335	0.083	ug/ml	#	83
107)	Chrysene	11.416	228	5201	0.113	ug/ml		95
108)	Bis(2-ethylhexyl)phtha...	11.531	149	2830	0.097	ug/ml	#	84
109)	Di-n-octylphthalate	12.208	149	4051	0.083	ug/ml	#	55
110)	Benzo(b)fluoranthene	12.482	252	4469	0.101	ug/ml		97
111)	Benzo(k)fluoranthene	12.510	252	4555	0.101	ug/ml		98
112)	Benzo(a)pyrene	12.792	252	3892	0.094	ug/ml	#	95
114)	Indeno(1,2,3-cd)pyrene	13.812	276	4090M3	0.096	ug/mL		
115)	Dibenzo(a,h)anthracene	13.834	278	4235	0.096	ug/ml		94
116)	Benzo(ghi)perylene	14.033	276	4559	0.105	ug/ml		92

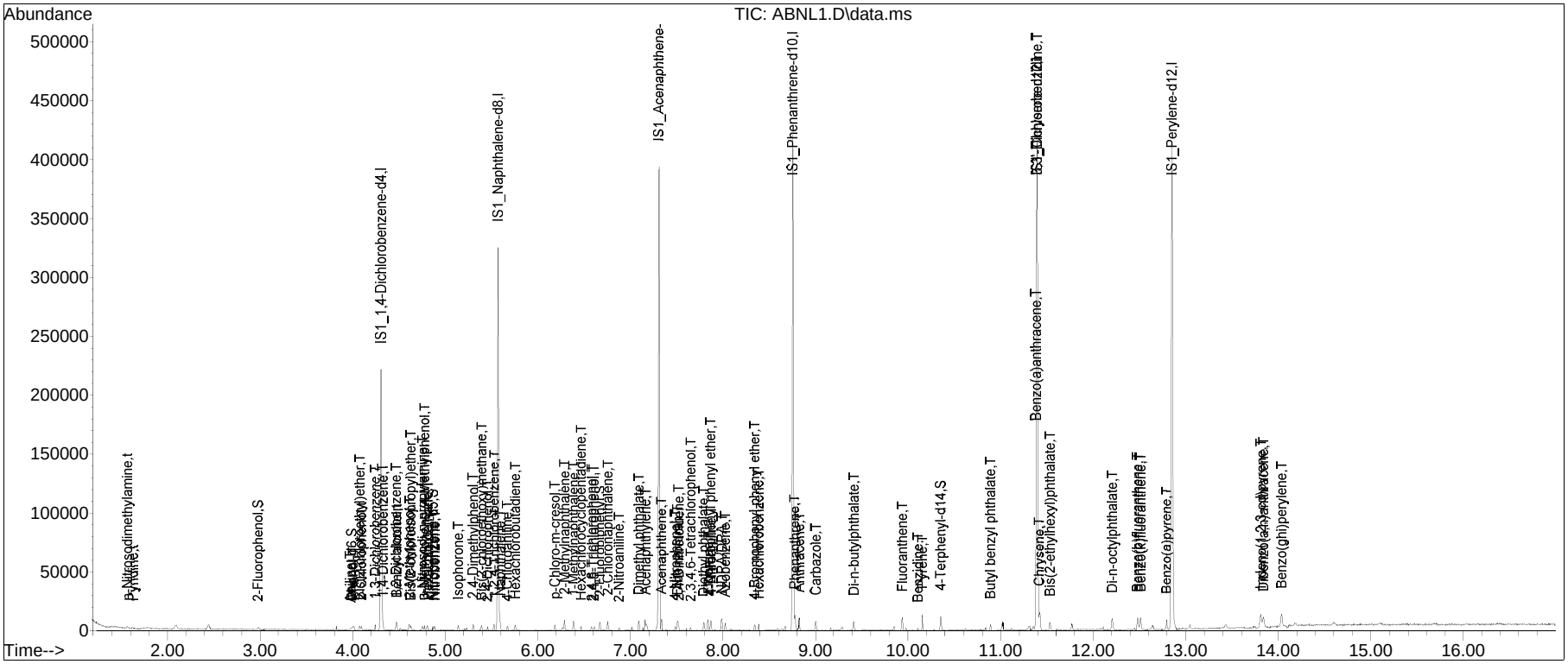
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL1.D
Acq On : 27 Aug 2025 11:11 pm
Operator : SV106:smz
Sample : IL10,32,,ABNL0.1 Lot# 11893
Misc : WG2108428,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 10:34:38 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

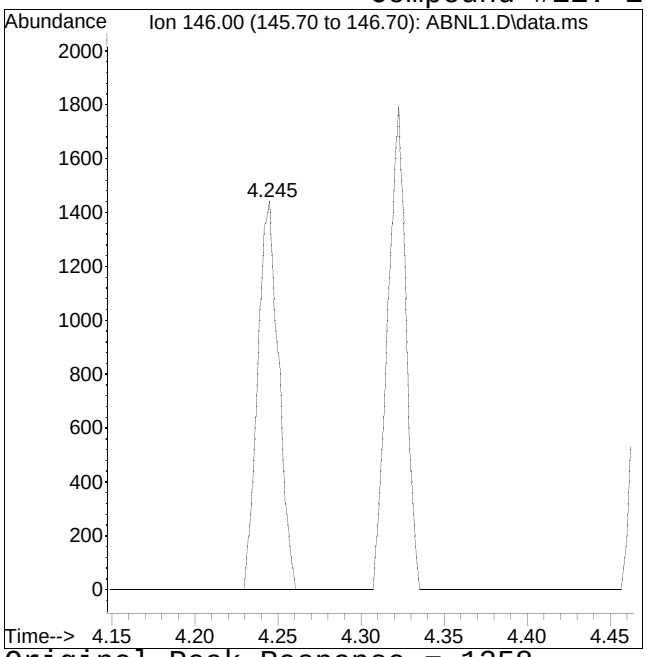
Sub List : ABNical - ABN ical sublistAL\AP9L6.D•

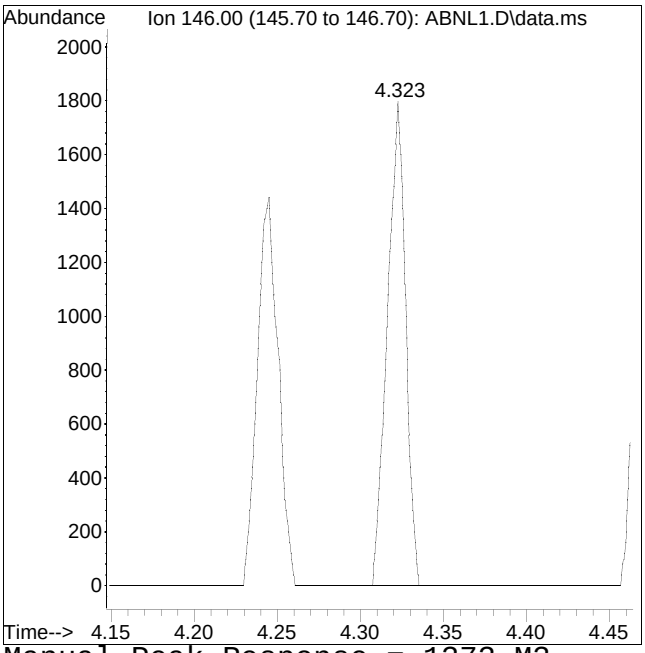


Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 10:23 am

Compound #11: 1,4-Dichlorobenzene





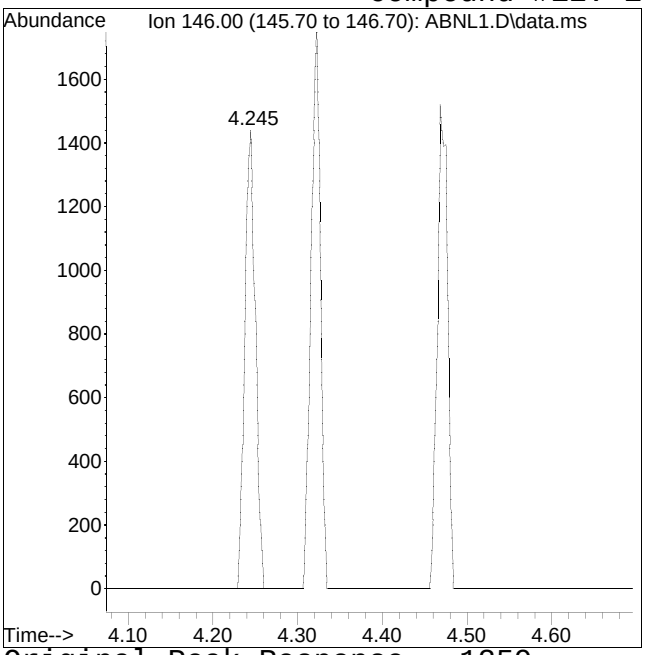
Original Peak Response = 1258 Manual Peak Response = 1373 M3

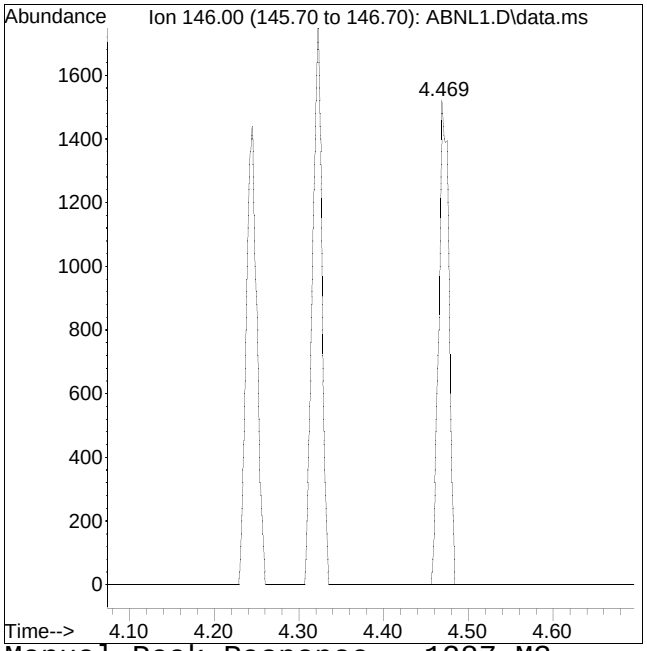
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 10:23 am

Compound #12: 1,2-Dichlorobenzene





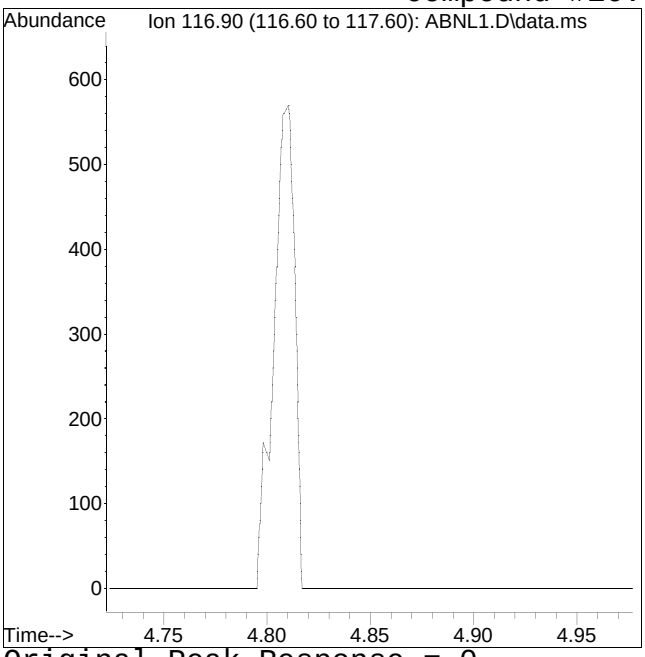
Original Peak Response = 1259 Manual Peak Response = 1287 M3

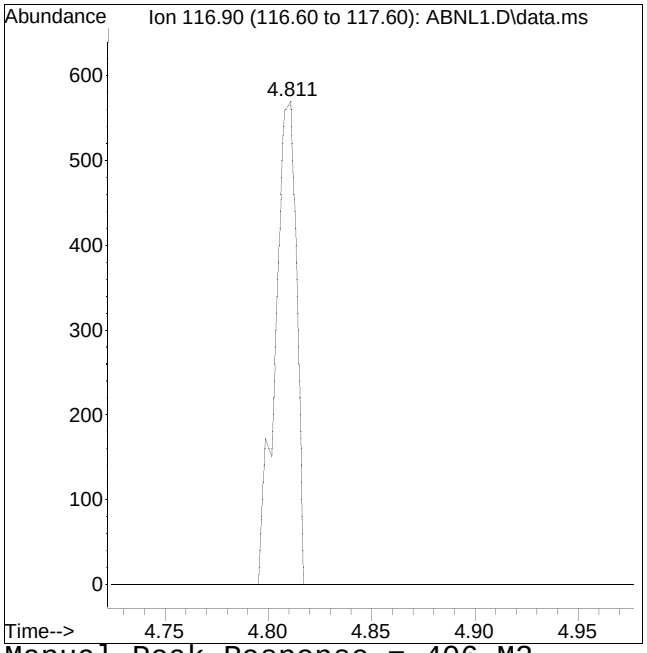
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 10:23 am

Compound #16: Hexachloroethane



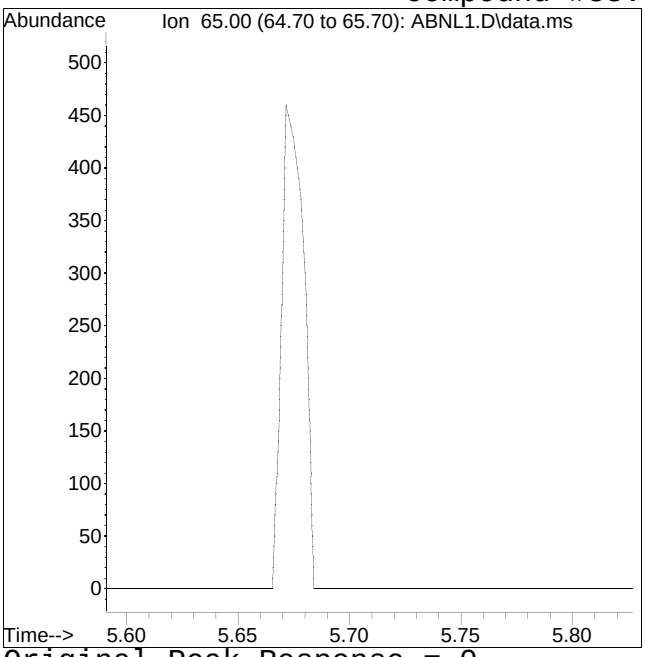


Original Peak Response = 0 Manual Peak Response = 406 M2
M2 = Peak not found by automatic integration algorithm.

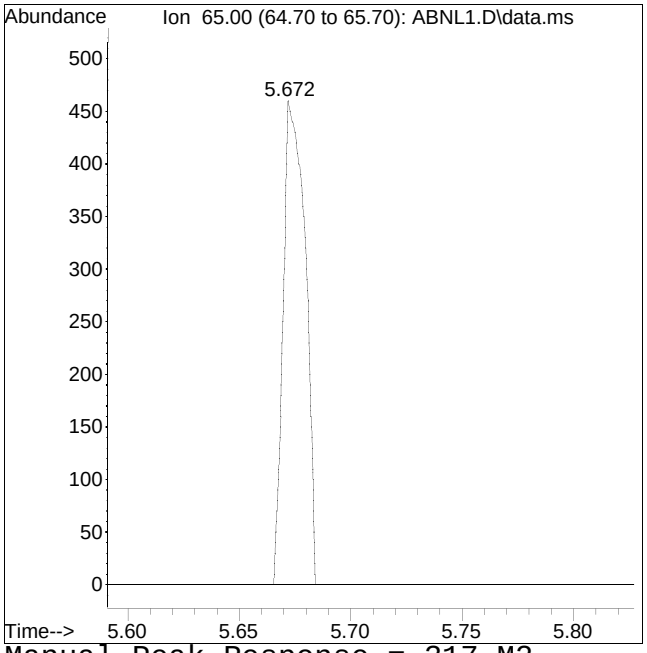
Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 10:23 am

Compound #38: 4-Chloroaniline



Original Peak Response = 0



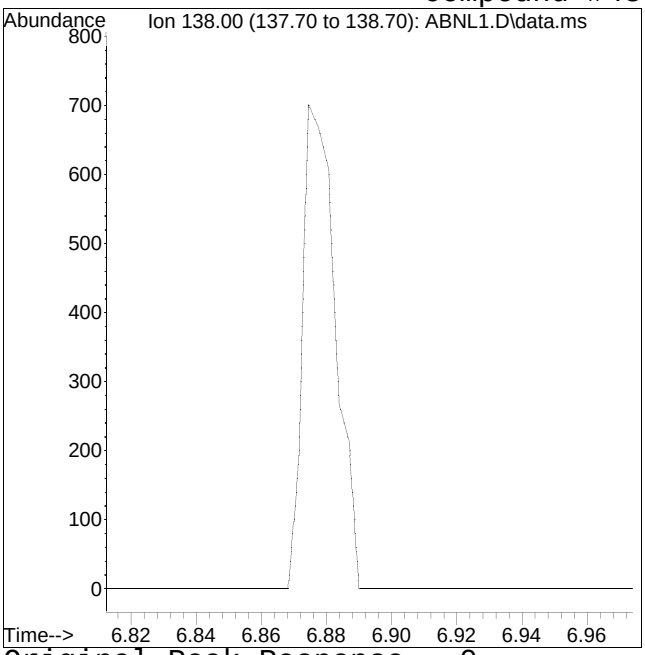
Manual Peak Response = 317 M2

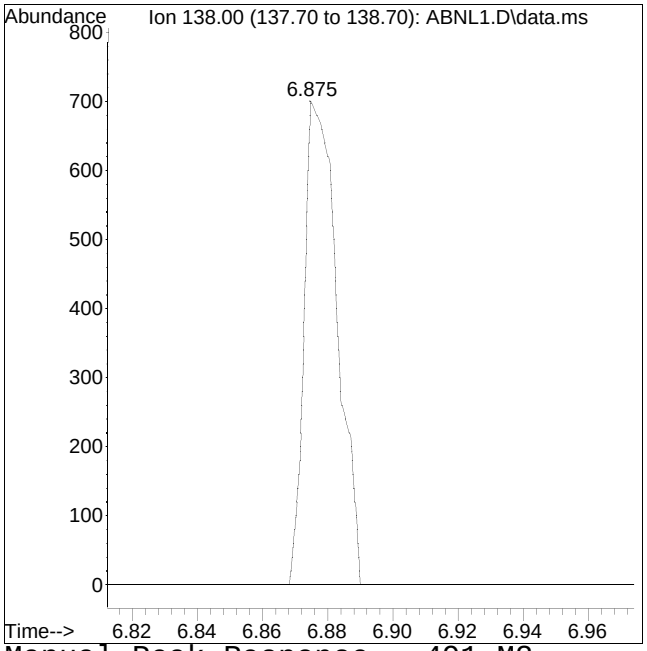
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 10:23 am

Compound #48: 2-Nitroaniline



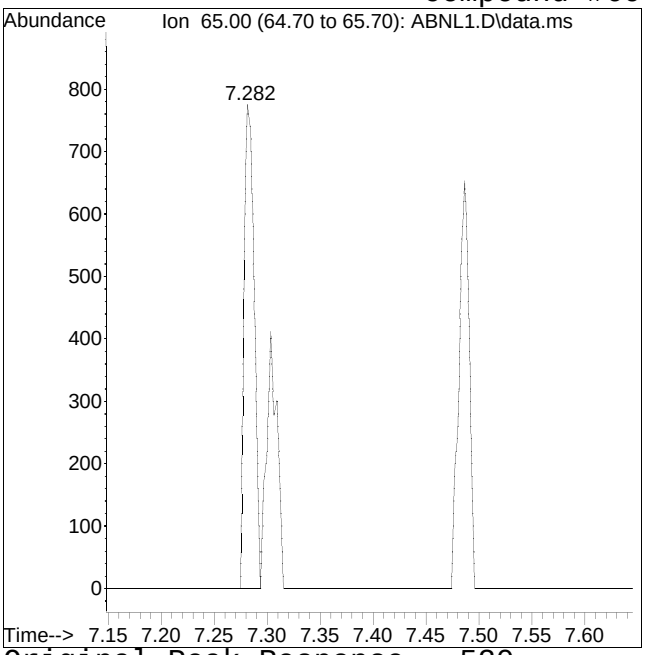


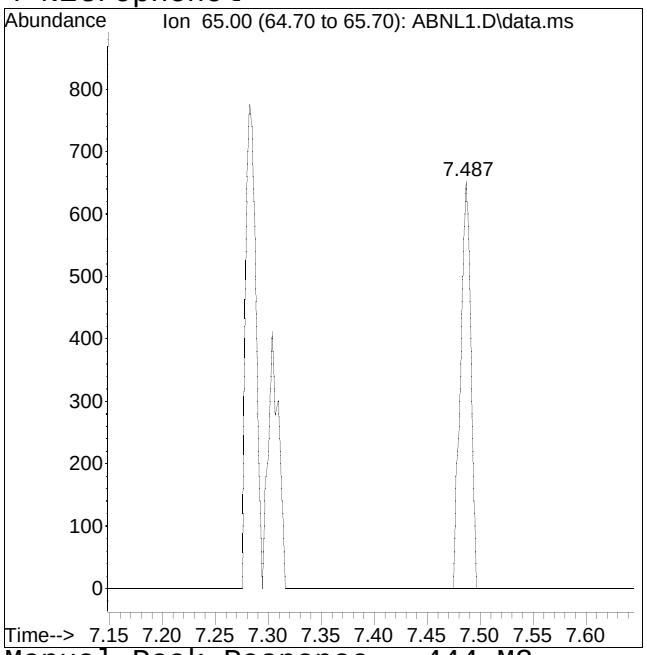
Original Peak Response = 0 Manual Peak Response = 491 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 10:23 am

Compound #69: 4-Nitrophenol





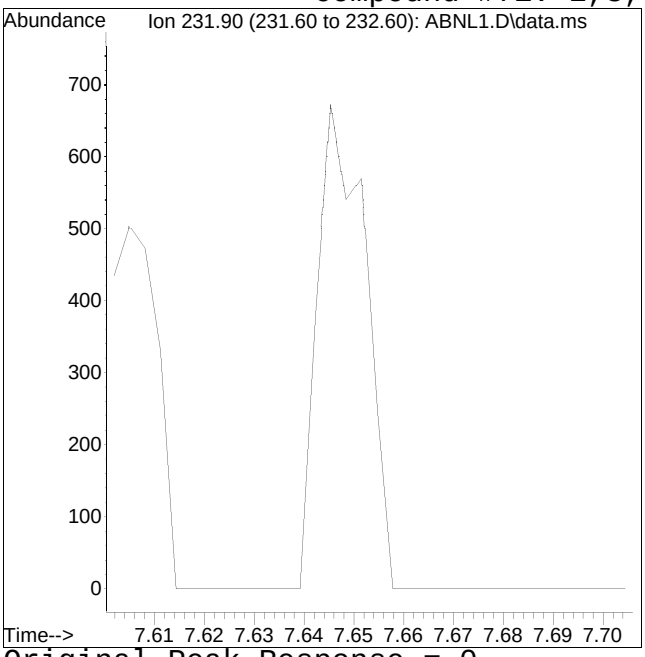
Original Peak Response = 520 Manual Peak Response = 444 M3

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

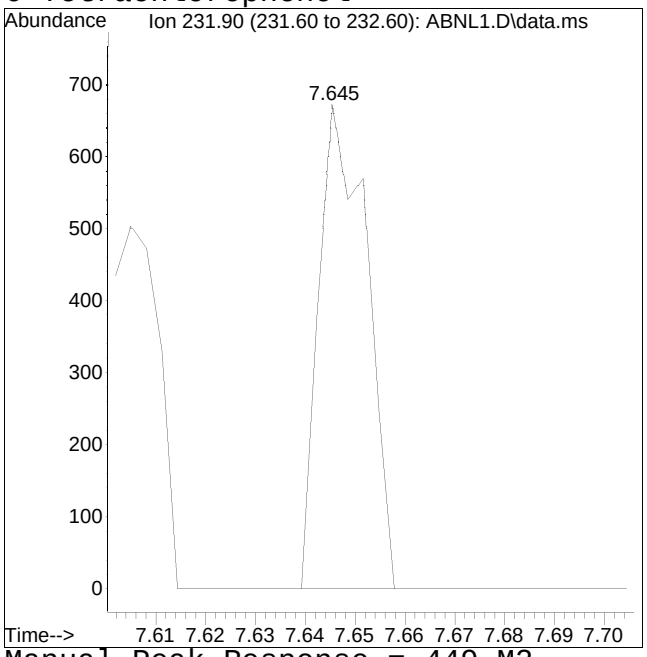
Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 10:23 am

Compound #71: 2,3,4,6-Tetrachlorophenol



Original Peak Response = 0



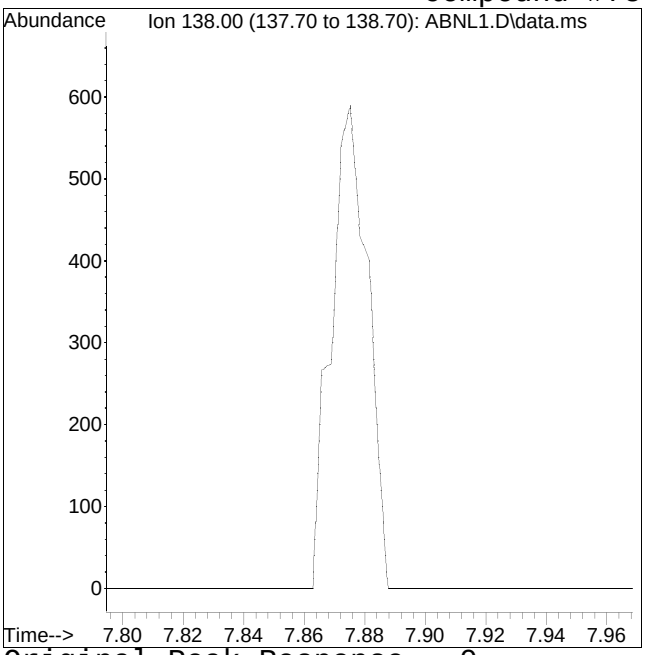
Manual Peak Response = 449 M2

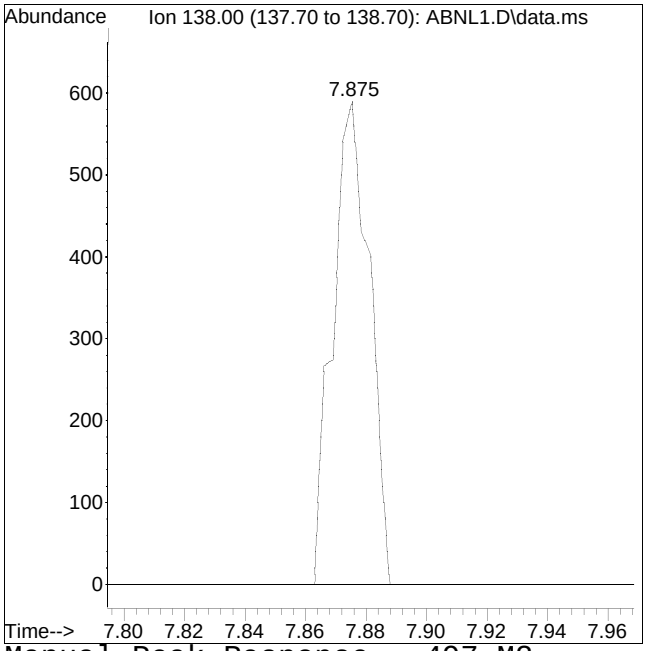
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 10:23 am

Compound #75: 4-Nitroaniline



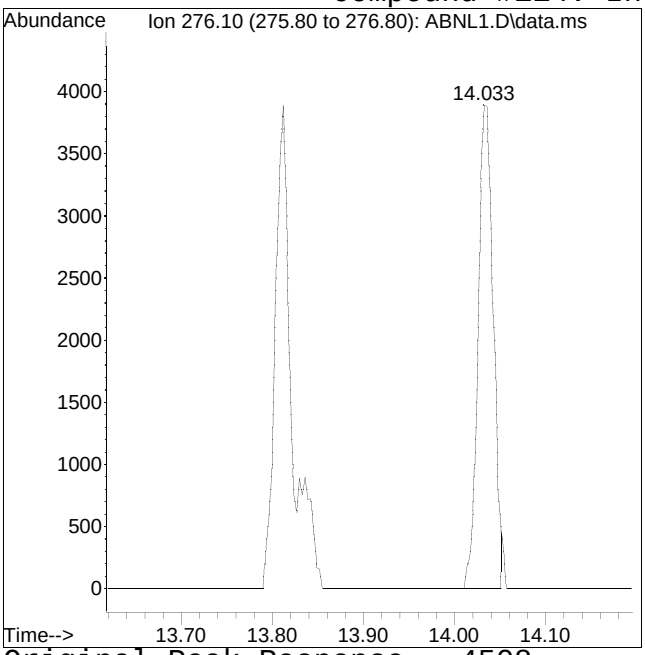


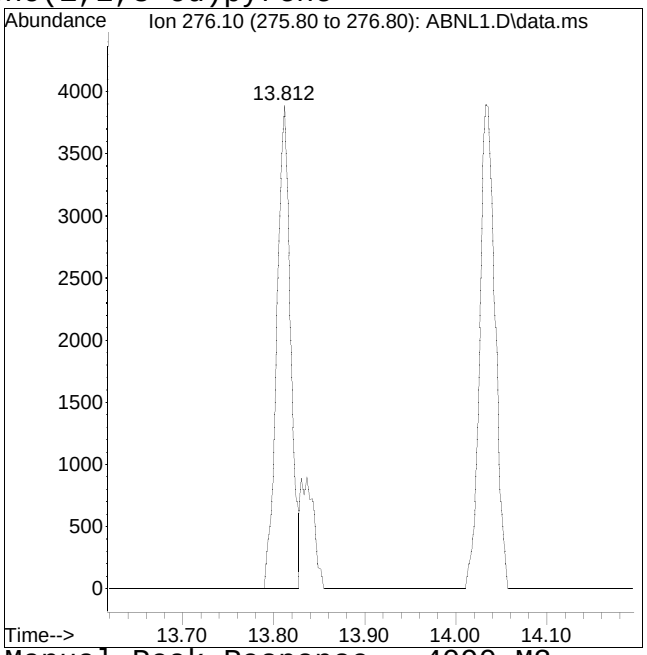
Original Peak Response = 0 Manual Peak Response = 497 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 10:23 am

Compound #114: Indeno(1,2,3-cd)pyrene





Original Peak Response = 4508 Manual Peak Response = 4090 M3

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

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNICV.D
Acq On : 27 Aug 2025 11:33 pm
Operator : SV106:smz
Sample : CQICV1,32,,ABNICV Lot# 11915
Misc : WG2108428,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 06:21:01 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:20:54 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	98	0.00
2	t	n-Nitrosodimethylamine		0.660	0.636	3.6	93	0.00
3	t	Pyridine		1.131	1.074	5.0	89	0.00
4	S	2-Fluorophenol		1.106	1.040	6.0	89	0.00
5	T	Aniline		1.738	1.656	4.7	89	0.00
6	t	2-Chlorophenol		1.332	1.270	4.7	91	0.00
7	S	Phenol-d6		1.318	1.270	3.6	92	0.00
8	T	Phenol		1.441	1.369	5.0	92	0.00
9	T	Bis(2-chloroethyl)ether		1.143	1.099	3.8	94	0.00
10	T	1,3-Dichlorobenzene		1.598	1.519	4.9	93	0.00
11	T	1,4-Dichlorobenzene		1.634	1.556	4.8	94	0.00
12	T	1,2-Dichlorobenzene		1.572	1.488	5.3	94	0.00
13	t	Benzyl alcohol		0.964	0.933	3.2	94	0.00
14	T	Bis(2-chloroisopropyl)ether		1.867	1.785	4.4	94	0.00
15	T	2-Methylphenol		1.104	1.075	2.6	93	0.00
16	T	Hexachloroethane		0.602	0.590	2.0	94	0.00
17	T	n-Nitrosodi-n-propylamine		0.815	0.793	2.7	92	0.00
18	T	3-Methylphenol/4-Methylphen		1.207	1.161	3.8	94	0.00
19	S	Nitrobenzene-d5		1.226	1.136	7.3	89	0.00
20	T	Nitrobenzene		1.260	1.189	5.6	90	0.00
21	T	Isophorone		2.296	2.176	5.2	91	0.00
22	T	2-Nitrophenol		0.640	0.580	9.4	86	0.00
23	T	2,4-Dimethylphenol		1.271	1.207	5.0	88	0.00
24	T	Bis(2-chloroethoxy)methane		1.546	1.478	4.4	93	0.00
25	T	2,4-Dichlorophenol		1.170	1.148	1.9	92	0.00
26	T	1,2,4-Trichlorobenzene		1.374	1.288	6.3	92	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	96	0.00
36	T	Naphthalene		1.082	1.028	5.0	92	0.00
37	T	Benzoic Acid	*	5.000	3.671	26.6#	78	0.00
38	T	4-Chloroaniline		0.117	0.115	1.7	90	0.00
39	T	Hexachlorobutadiene		0.200	0.197	1.5	94	0.00
40	T	p-Chloro-m-cresol		0.284	0.272	4.2	91	0.00
41	T	2-Methylnaphthalene		0.641	0.632	1.4	96	0.00
42	T	1-Methylnaphthalene		0.227	0.220	3.1	94	0.00
43	T	Hexachlorocyclopentadiene		0.254	0.238	6.3	89	0.00
44	T	2,4,6-Trichlorophenol		0.213	0.213	0.0	90	0.00
45	T	2,4,5-Trichlorophenol		0.239	0.243	-1.7	93	0.00
46	S	2-Fluorobiphenyl		0.821	0.769	6.3	92	0.00

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNICV.D
Acq On : 27 Aug 2025 11:33 pm
Operator : SV106:smz
Sample : CQICV1,32,,ABNICV Lot# 11915
Misc : WG2108428,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 06:21:01 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:20:54 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene	0.727	0.703	3.3	94	0.00
48	T	2-Nitroaniline	0.206	0.204	1.0	87	0.00
49	T	1,4-Dinitrobenzene	0.097	0.090	7.2	86	0.00
50	T	1,3-Dinitrobenzene	0.112	0.107	4.5	86	0.00
51	T	Dimethyl phthalate	0.857	0.814	5.0	90	0.00
52	T	Acenaphthylene	1.170	1.149	1.8	91	0.00
53	T	2,6-Dinitrotoluene	0.167	0.164	1.8	90	0.00
54	T	1,2-Dinitrobenzene	0.073	0.073	0.0	89	0.00
63	I	IS1_Acenaphthene-d10	1.000	1.000	0.0	99	0.00
64	T	3-Nitroaniline	0.342	0.331	3.2	90	0.00
65	T	Acenaphthene	1.136	1.042	8.3	92	0.00
66	T	2,4-Dinitrophenol	0.166	0.140	15.7	88	0.00
67	T	Dibenzofuran	1.844	1.699	7.9	93	0.00
68	T	2,4-Dinitrotoluene	0.385	0.378	1.8	88	0.00
69	T	4-Nitrophenol	0.238	0.227	4.6	90	0.00
70	T	2,3,5,6-Tetrachlorophenol	0.340	0.336	1.2	91	0.00
71	T	2,3,4,6-Tetrachlorophenol	0.330	0.332	-0.6	90	0.00
72	T	Diethyl phthalate	1.516	1.387	8.5	90	0.00
73	T	Fluorene	1.447	1.324	8.5	92	0.00
74	T	4-Chlorophenyl phenyl ether	0.688	0.625	9.2	91	0.00
75	T	4-Nitroaniline	0.337	0.325	3.6	88	0.00
76	T	4,6-Dinitro-o-cresol	0.214	0.189	11.7	86	0.00
77	T	NDPA/DPA	1.209	1.145	5.3	92	0.00
78	T	Azobenzene	1.272	1.215	4.5	92	0.00
79	S	2,4,6-Tribromophenol	0.194	0.179	7.7	89	0.00
80	T	4-Bromophenyl phenyl ether	0.424	0.384	9.4	92	0.00
81	T	Hexachlorobenzene	0.475	0.432	9.1	93	0.00
82	T	Pentachlorophenol	0.280	0.240	14.3	86	0.00
88	I	IS1_Phenanthrene-d10	1.000	1.000	0.0	98	0.00
89	T	Phenanthrene	1.202	1.082	10.0	91	0.00
90	T	Anthracene	1.178	1.093	7.2	91	0.00
91	T	Carbazole	1.081	1.029	4.8	90	0.00
92	T	Di-n-butylphthalate	1.266	1.204	4.9	88	0.00
93	T	Fluoranthene	1.296	1.201	7.3	90	0.00
94	T	Benzidine	0.831	0.756	9.0	88	0.00
95	T	Pyrene	1.383	1.287	6.9	91	0.00
96	S	4-Terphenyl-d14	0.982	0.888	9.6	91	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNICV.D
Acq On : 27 Aug 2025 11:33 pm
Operator : SV106:smz
Sample : CQICV1,32,,ABNICV Lot# 11915
Misc : WG2108428,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 06:21:01 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:20:54 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	0.529	0.504	4.7	88	0.00
104	I	IS1_Chrysene-d12	1.000	1.000	0.0	97	0.00
105	T	Benzo(a)anthracene	1.349	1.255	7.0	92	0.00
106	T	3,3'-Dichlorobenzidine	0.464	0.437	5.8	86	0.00
107	T	Chrysene	1.336	1.193	10.7	90	0.00
108	T	Bis(2-ethylhexyl)phthalate	0.846	0.837	1.1	90	0.00
109	T	Di-n-octylphthalate	1.419	1.335	5.9	89	0.00
110	T	Benzo(b)fluoranthene	1.278	1.201	6.0	94	0.00
111	T	Benzo(k)fluoranthene	1.303	1.235	5.2	90	0.00
112	T	Benzo(a)pyrene	1.197	1.138	4.9	90	0.00
113	I	IS1_Perylene-d12	1.000	1.000	0.0	97	0.00
114	T	Indeno(1,2,3-cd)pyrene	1.141	1.035	9.3	88	0.00
115	T	Dibenzo(a,h)anthracene	1.181	1.089	7.8	89	0.00
116	T	Benzo(ghi)perylene	1.164	1.053	9.5	89	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNICV.D
Acq On : 27 Aug 2025 11:33 pm
Operator : SV106:smz
Sample : CQICV1,32,,ABNICV Lot# 11915
Misc : WG2108428,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 06:21:01 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:20:54 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	33441	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery = 98.38%			
35) IS1_Naphthalene-d8	5.572	136	130068	4.000	ug/ml	# 0.00
Standard Area 1 = 135116			Recovery = 96.26%			
63) IS1_Acenaphthene-d10	7.307	164	79495	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery = 99.19%			
88) IS1_Phenanthrene-d10	8.752	188	151588	4.000	ug/ml	# 0.00
Standard Area 1 = 154754			Recovery = 97.95%			
104) IS1_Chrysene-d12	11.391	240	151868	4.000	ug/ml	# 0.00
Standard Area 1 = 156844			Recovery = 96.83%			
113) IS1_Perylene-d12	12.855	264	160353	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery = 97.22%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.974	112	43462	4.701	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 235.05%#			
7) Phenol-d6	3.990	99	53091	4.818	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 240.90%#			
19) Nitrobenzene-d5	4.864	82	47494	4.632	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 463.20%#			
46) 2-Fluorobiphenyl	6.673	172	125056	4.686	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 468.60%#			
79) 2,4,6-Tribromophenol	8.081	330	17778	4.613	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 230.65%#			
96) 4-Terphenyl-d14	10.359	244	168255	4.520	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 452.00%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.550	74	26579	4.818	ug/ml#	75
3) Pyridine	1.582	79	44894M1	4.748	ug/ml	
5) Aniline	3.975	93	69209	4.762	ug/ml	97
6) 2-Chlorophenol	4.090	128	53094	4.769	ug/ml#	90
8) Phenol	4.006	94	57226	4.750	ug/ml	95
9) Bis(2-chloroethyl)ether	4.071	93	45922	4.806	ug/ml	94
10) 1,3-Dichlorobenzene	4.242	146	63493	4.752	ug/ml	96
11) 1,4-Dichlorobenzene	4.320	146	65044	4.761	ug/ml	96
12) 1,2-Dichlorobenzene	4.472	146	62187	4.733	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNICV.D
Acq On : 27 Aug 2025 11:33 pm
Operator : SV106:smz
Sample : CQICV1,32,,ABNICV Lot# 11915
Misc : WG2108428,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 06:21:01 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:20:54 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.472	79	38998	4.838	ug/ml	96
14) Bis(2-chloroisopropyl)...	4.631	45	74631	4.782	ug/ml#	66
15) 2-Methylphenol	4.615	108	44932	4.867	ug/ml	97
16) Hexachloroethane	4.808	117	24647	4.899	ug/ml#	73
17) n-Nitrosodi-n-propylamine	4.752	70	33140	4.867	ug/ml	96
18) 3-Methylphenol/4-Methy...	4.777	108	48542	4.811	ug/ml	98
20) Nitrobenzene	4.882	77	49719	4.719	ug/ml	95
21) Isophorone	5.137	82	90972	4.740	ug/ml	98
22) 2-Nitrophenol	5.209	139	24246	4.531	ug/ml#	88
23) 2,4-Dimethylphenol	5.302	107	50466	4.748	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.389	93	61789	4.779	ug/ml	99
25) 2,4-Dichlorophenol	5.454	162	47994	4.908	ug/ml#	95
26) 1,2,4-Trichlorobenzene	5.532	180	53860	4.688	ug/ml	97
36) Naphthalene	5.594	128	167086	4.749	ug/ml	100
37) Benzoic Acid	5.386	105	25898	3.671	ug/ml	92
38) 4-Chloroaniline	5.675	65	18628	4.895	ug/ml#	62
39) Hexachlorobutadiene	5.756	225	31995	4.910	ug/ml	99
40) p-Chloro-m-cresol	6.191	107	44260	4.795	ug/ml	94
41) 2-Methylnaphthalene	6.287	142	102775	4.933	ug/ml	96
42) 1-Methylnaphthalene	6.380	115	35694	4.832	ug/ml	91
43) Hexachlorocyclopentadiene	6.464	237	38722	4.687	ug/ml	100
44) 2,4,6-Trichlorophenol	6.586	196	34572	4.984	ug/ml	97
45) 2,4,5-Trichlorophenol	6.614	196	39530	5.077	ug/ml	99
47) 2-Chloronaphthalene	6.760	162	114228	4.833	ug/ml	96
48) 2-Nitroaniline	6.878	138	33114	4.941	ug/ml#	79
49) 1,4-Dinitrobenzene	7.018	168	14690	4.654	ug/ml	79
50) 1,3-Dinitrobenzene	7.092	168	17461	4.805	ug/ml#	1
51) Dimethyl phthalate	7.092	163	132414	4.752	ug/ml#	98
52) Acenaphthylene	7.161	152	186814	4.910	ug/ml	99
53) 2,6-Dinitrotoluene	7.130	165	26686	4.911	ug/ml#	78
54) 1,2-Dinitrobenzene	7.170	168	11853	5.014	ug/ml#	1
64) 3-Nitroaniline	7.285	138	32931	4.850	ug/ml	87
65) Acenaphthene	7.338	154	103552	4.588	ug/ml	90
66) 2,4-Dinitrophenol	7.387	184	13885	4.219	ug/ml#	86
67) Dibenzofuran	7.509	168	168817	4.606	ug/ml	95
68) 2,4-Dinitrotoluene	7.521	165	37575	4.916	ug/ml	91
69) 4-Nitrophenol	7.487	65	22550	4.765	ug/ml#	79
70) 2,3,5,6-Tetrachlorophenol	7.605	232	33383	4.945	ug/ml	96

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNICV.D
Acq On : 27 Aug 2025 11:33 pm
Operator : SV106:smz
Sample : CQICV1,32,,ABNICV Lot# 11915
Misc : WG2108428,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 06:21:01 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:20:54 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.645	232	32978	5.029	ug/ml	99
72)	Diethyl phthalate	7.795	149	137837	4.574	ug/ml	99
73)	Fluorene	7.844	166	131518	4.573	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.872	204	62071	4.537	ug/ml	91
75)	4-Nitroaniline	7.875	138	32255	4.816	ug/ml#	80
76)	4,6-Dinitro-o-cresol	7.916	198	18815	4.427	ug/ml#	67
77)	NDPA/DPA	7.990	169	113782	4.734	ug/ml	94
78)	Azobenzene	8.022	77	120724	4.776	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.345	248	38130	4.522	ug/ml#	84
81)	Hexachlorobenzene	8.388	284	42967	4.551	ug/ml#	86
82)	Pentachlorophenol	8.587	266	23880	4.296	ug/ml	99
89)	Phenanthrene	8.777	178	205009	4.500	ug/ml	99
90)	Anthracene	8.827	178	207103	4.640	ug/ml	99
91)	Carbazole	9.001	167	195054	4.760	ug/ml	98
92)	Di-n-butylphthalate	9.414	149	228103	4.754	ug/ml	98
93)	Fluoranthene	9.942	202	227666	4.635	ug/ml#	94
94)	Benzidine	10.104	184	143338	4.549	ug/ml#	95
95)	Pyrene	10.157	202	243958	4.656	ug/ml	99
97)	Butyl benzyl phthalate	10.890	149	95520	4.765	ug/ml	87
105)	Benzo(a)anthracene	11.381	228	238200	4.650	ug/ml	100
106)	3,3'-Dichlorobenzidine	11.391	252	83013	4.709	ug/ml	98
107)	Chrysene	11.419	228	226525	4.465	ug/ml	100
108)	Bis(2-ethylhexyl)phtha...	11.534	149	158955	4.946	ug/ml#	91
109)	Di-n-octylphthalate	12.211	149	253404	4.704	ug/ml#	73
110)	Benzo(b)fluoranthene	12.485	252	227992	4.700	ug/ml	97
111)	Benzo(k)fluoranthene	12.513	252	234496M3	4.740	ug/ml	
112)	Benzo(a)pyrene	12.796	252	215944	4.751	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.815	276	207533	4.539	ug/mL	95
115)	Dibenzo(a,h)anthracene	13.843	278	218203	4.609	ug/ml#	94
116)	Benzo(ghi)perylene	14.039	276	211143	4.527	ug/ml	93

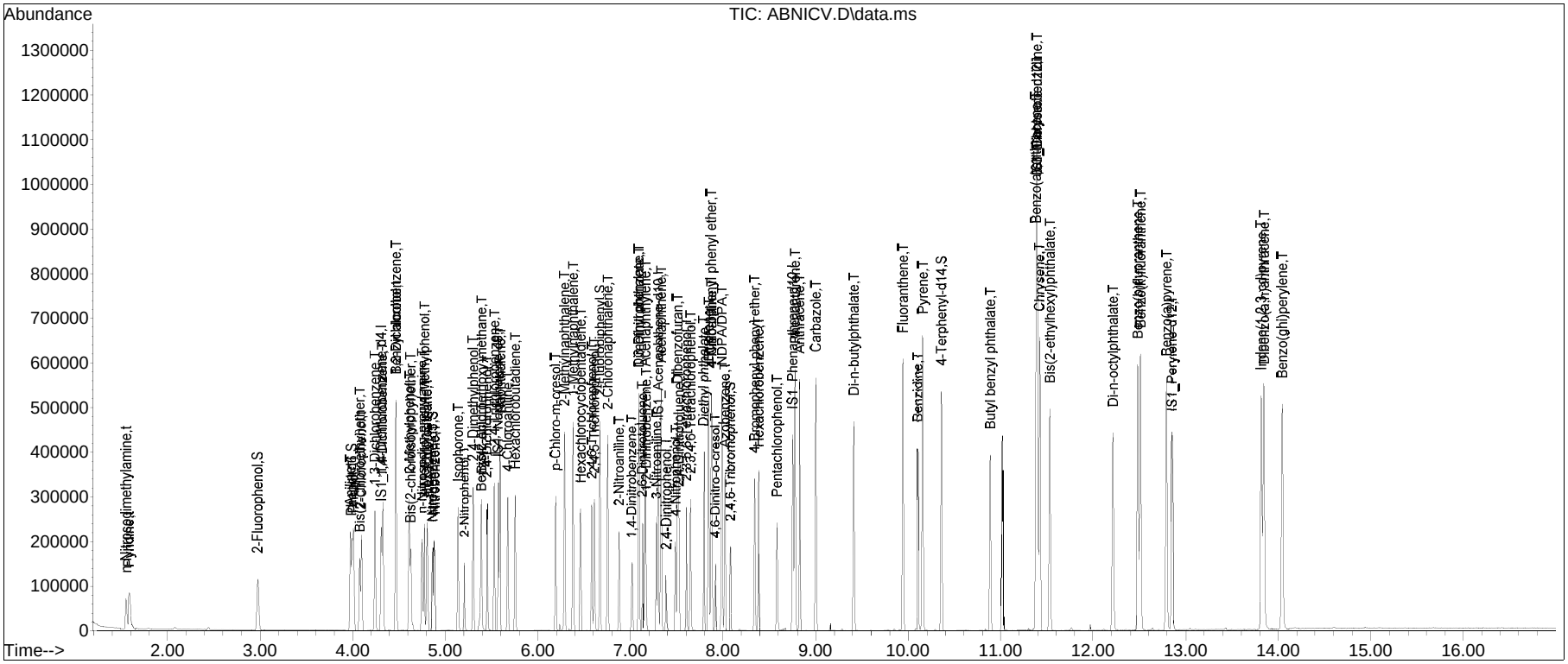
(#) = qualifier out of range (m) = manual integration (+) = signals summed

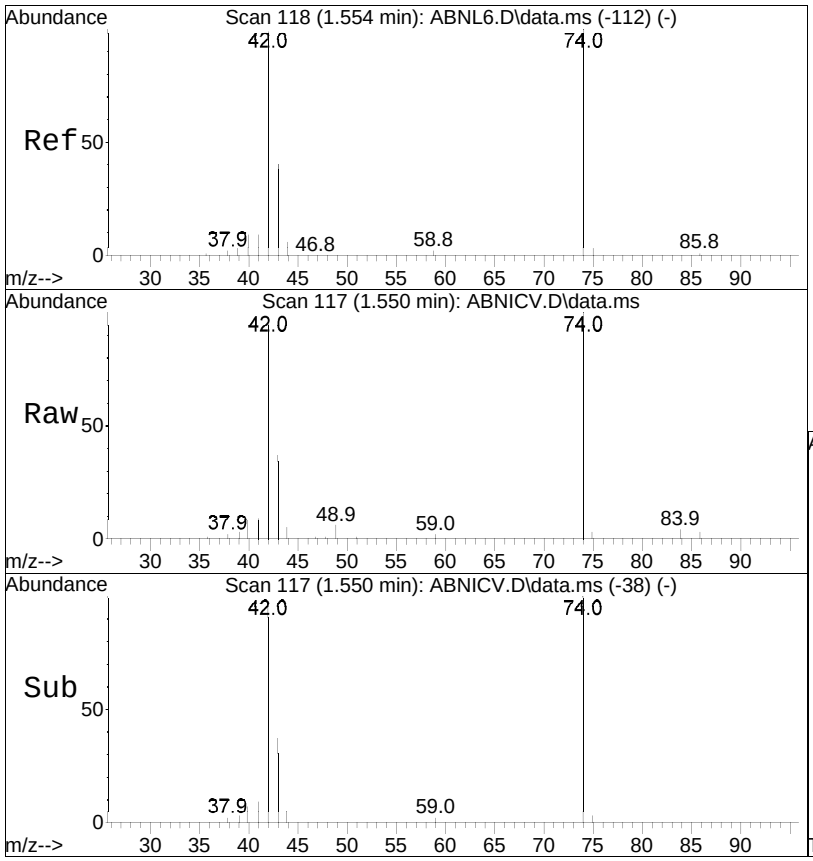
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNICV.D
Acq On : 27 Aug 2025 11:33 pm
Operator : SV106:smz
Sample : CQICV1,32,,ABNICV Lot# 11915
Misc : WG2108428,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 06:21:01 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:20:54 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistAL\AP9L6.D•

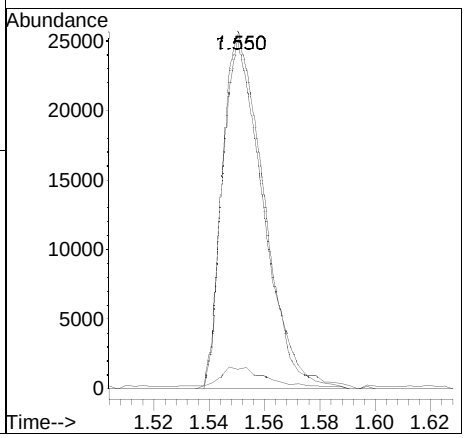


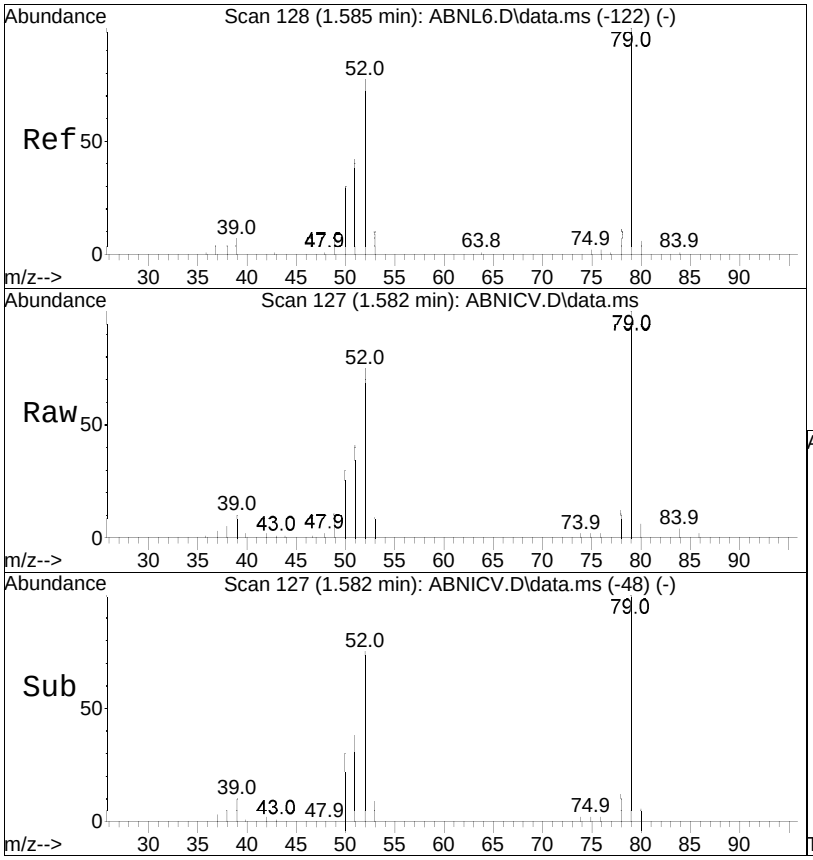


#2
n-Nitrosodimethylamine
Concen: 4.82 ug/ml
RT: 1.550 min Scan# 117
Delta R.T. -0.004 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion: 74 Resp: 26579

Ion	Ratio	Lower	Upper
74	100		
42	94.9	100.0	150.0#
44	7.9	6.7	10.1

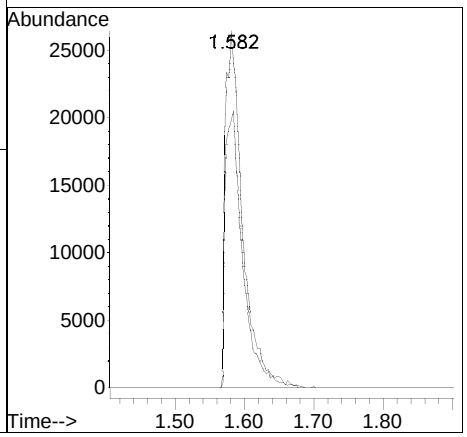


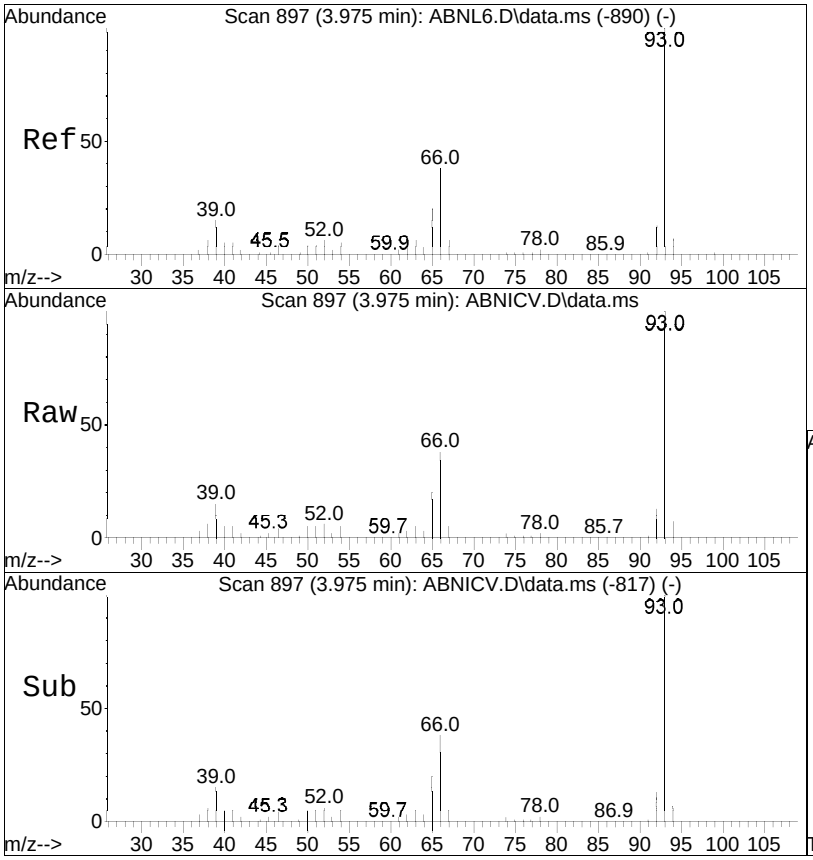


#3
Pyridine
Concen: 4.75 ug/ml M1
RT: 1.582 min Scan# 127
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion: 79 Resp: 44894

Ion	Ratio	Lower	Upper
79	100		
52	78.5	93.1	139.7#

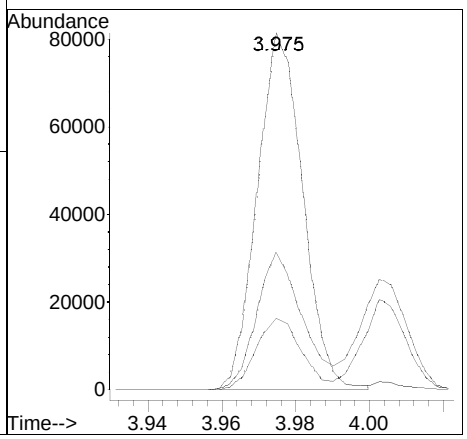


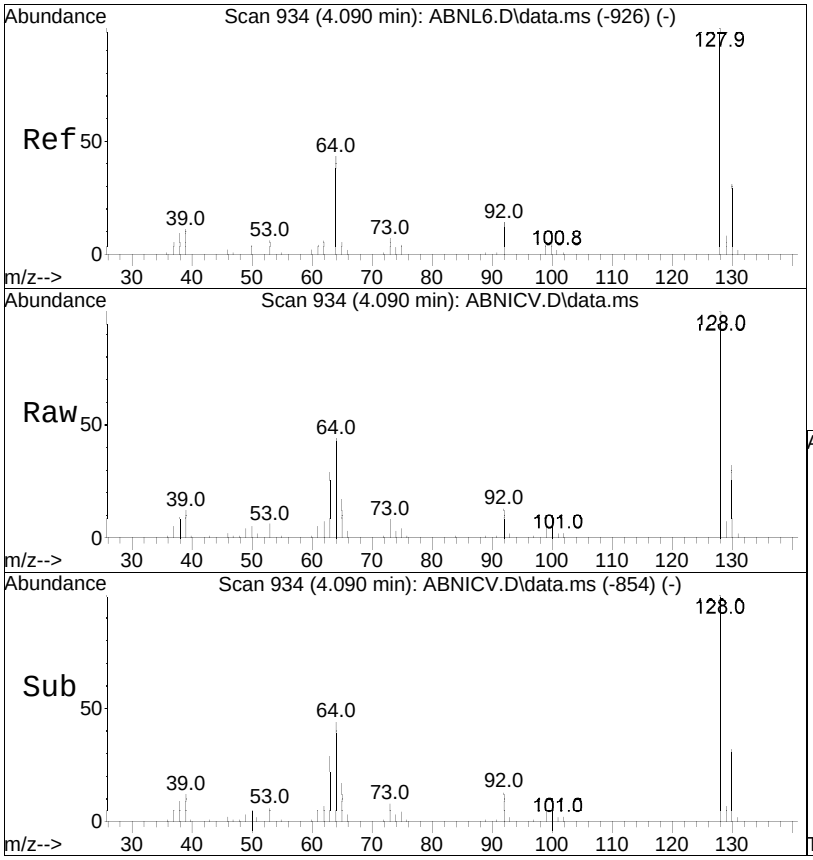


#5
Aniline
Concen: 4.76 ug/ml
RT: 3.975 min Scan# 897
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion: 93 Resp: 69209

Ion	Ratio	Lower	Upper
93	100		
66	39.3	32.6	49.0
65	20.3	17.6	26.4

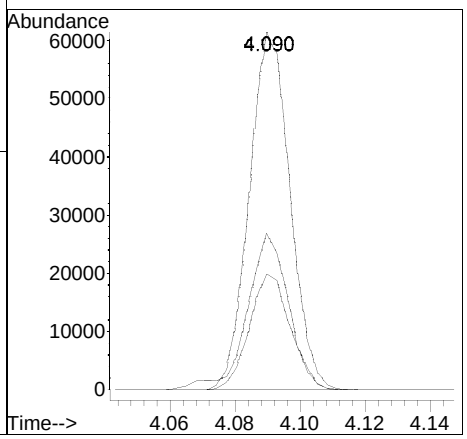


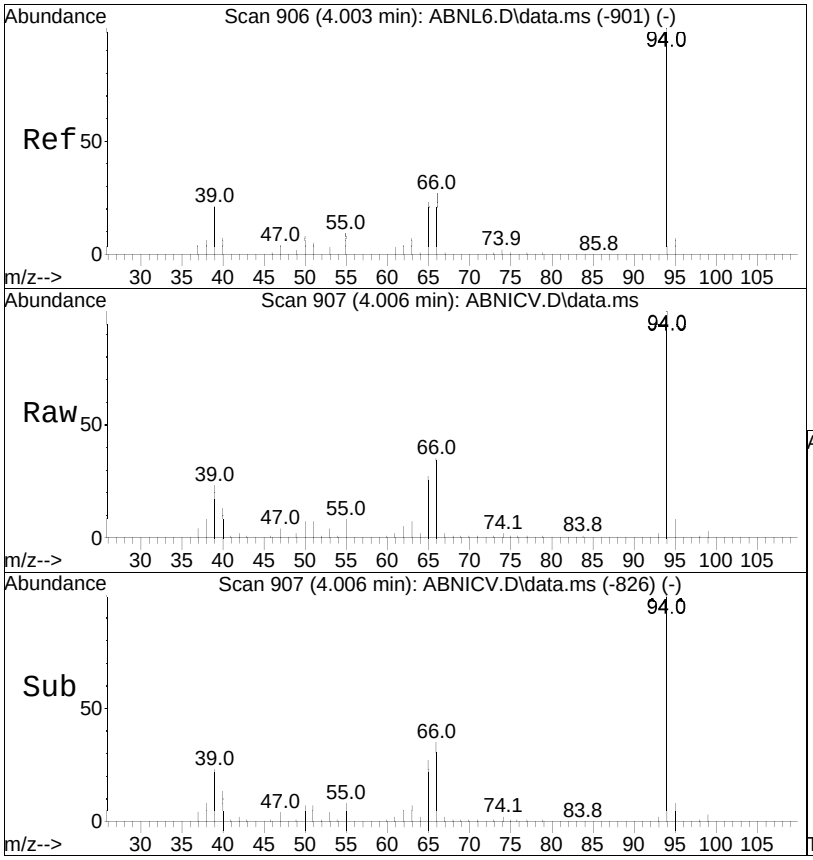


#6
2-Chlorophenol
Concen: 4.77 ug/ml
RT: 4.090 min Scan# 934
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:128 Resp: 53094

Ion	Ratio	Lower	Upper
128	100		
64	44.7	45.1	67.7#
130	32.6	26.2	39.4

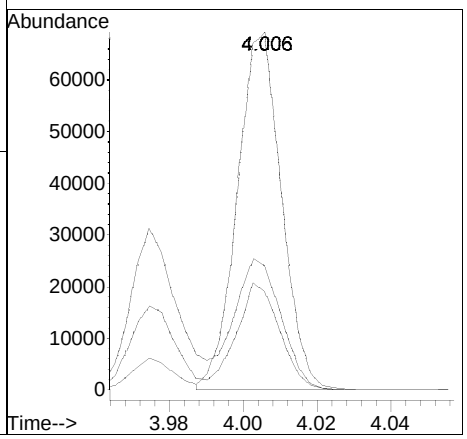


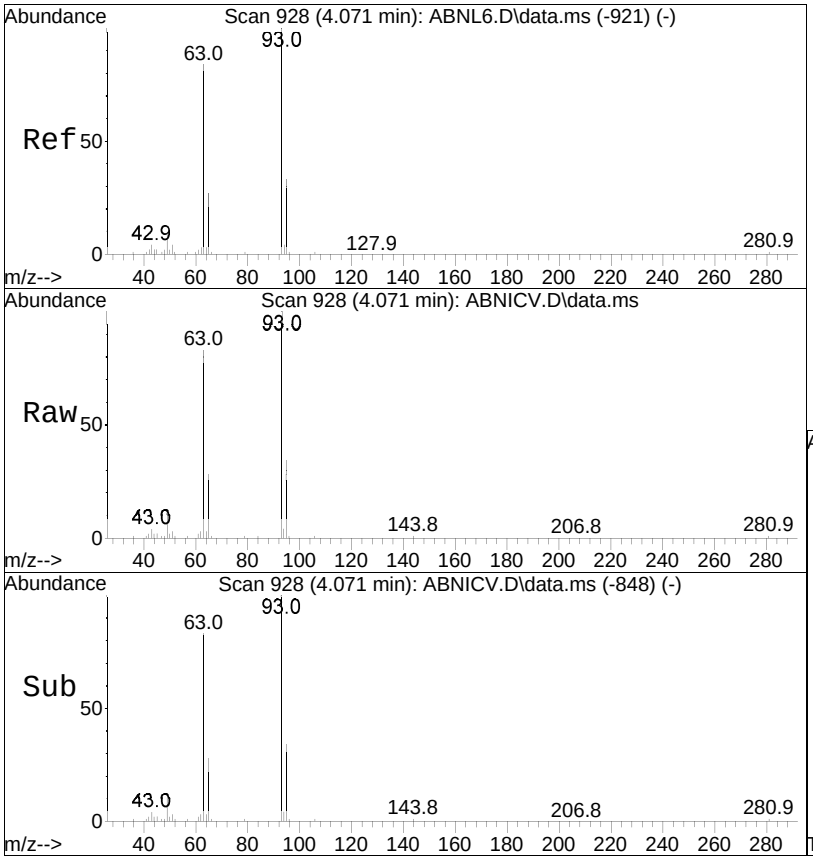


#8
Phenol
Concen: 4.75 ug/ml
RT: 4.006 min Scan# 907
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion: 94 Resp: 57226

Ion	Ratio	Lower	Upper
94	100		
65	29.3	26.0	39.0
66	39.4	33.8	50.8

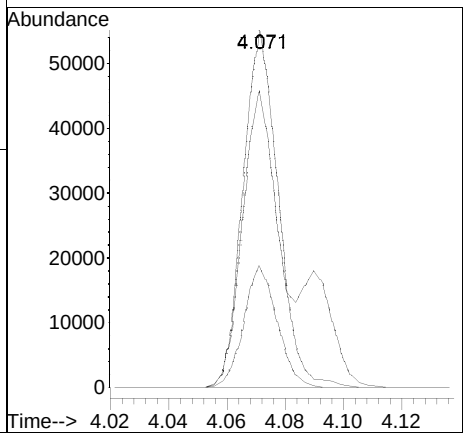


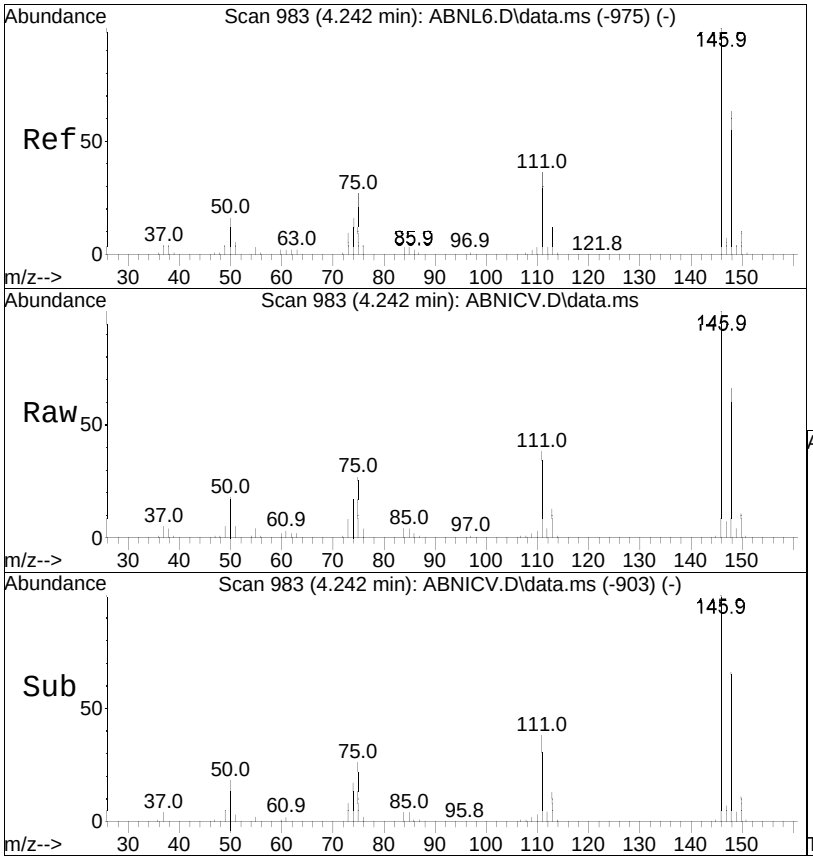


#9
Bis(2-chloroethyl)ether
Concen: 4.81 ug/ml
RT: 4.071 min Scan# 928
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion: 93 Resp: 45922

Ion	Ratio	Lower	Upper
93	100		
63	84.9	74.6	111.8
95	32.6	25.9	38.9

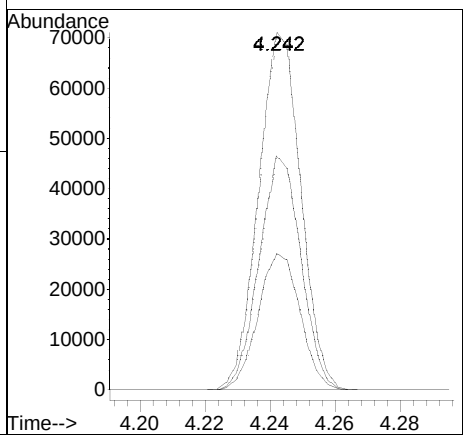


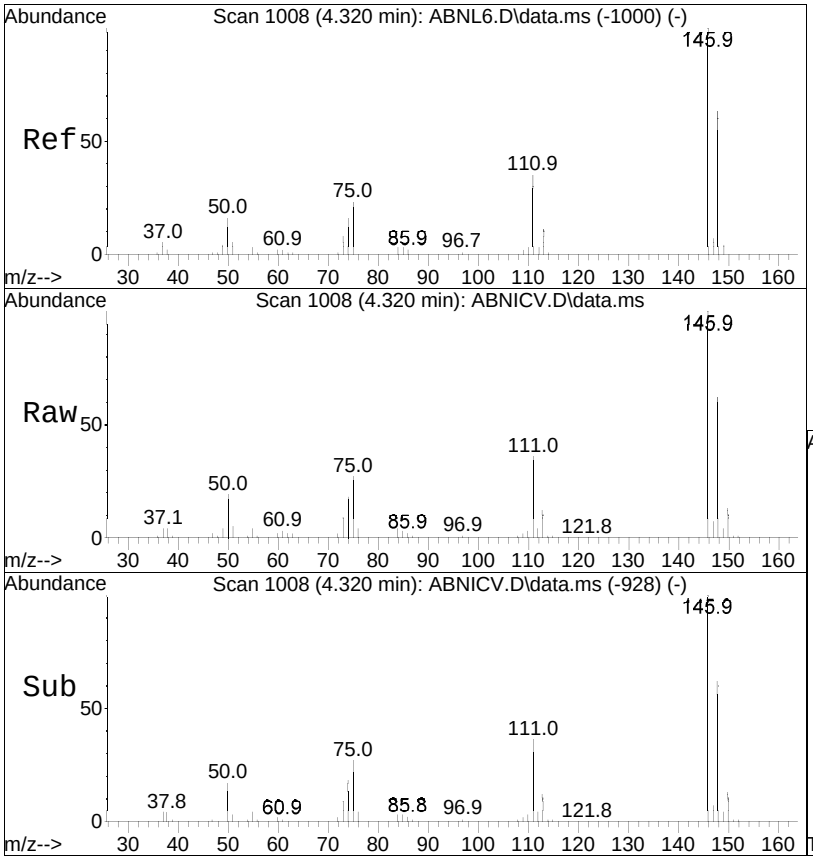


#10
1,3-Dichlorobenzene
Concen: 4.75 ug/ml
RT: 4.242 min Scan# 983
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:146 Resp: 63493

Ion	Ratio	Lower	Upper
146	100		
111	38.3	34.3	51.5
148	64.7	50.8	76.2

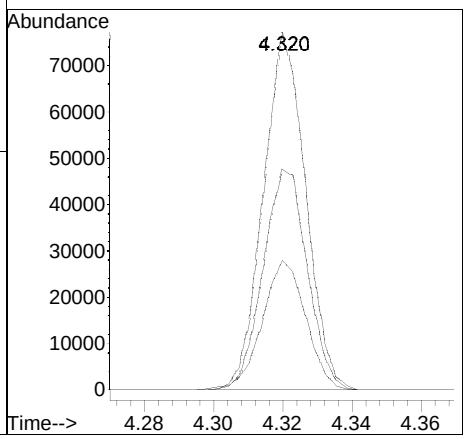


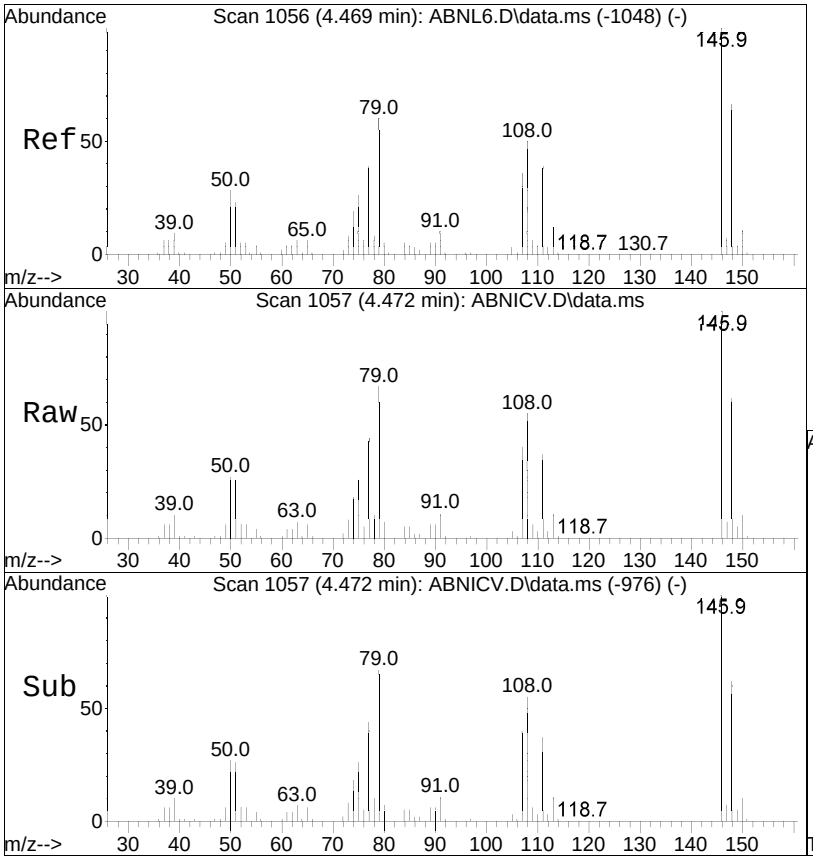


#11
1,4-Dichlorobenzene
Concen: 4.76 ug/ml
RT: 4.320 min Scan# 1008
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:146 Resp: 65044

Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.7	76.1
111	37.5	33.4	50.0

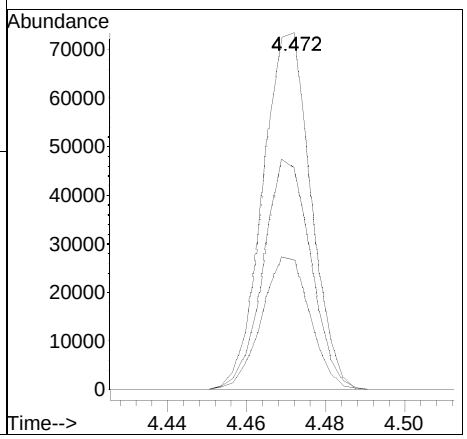


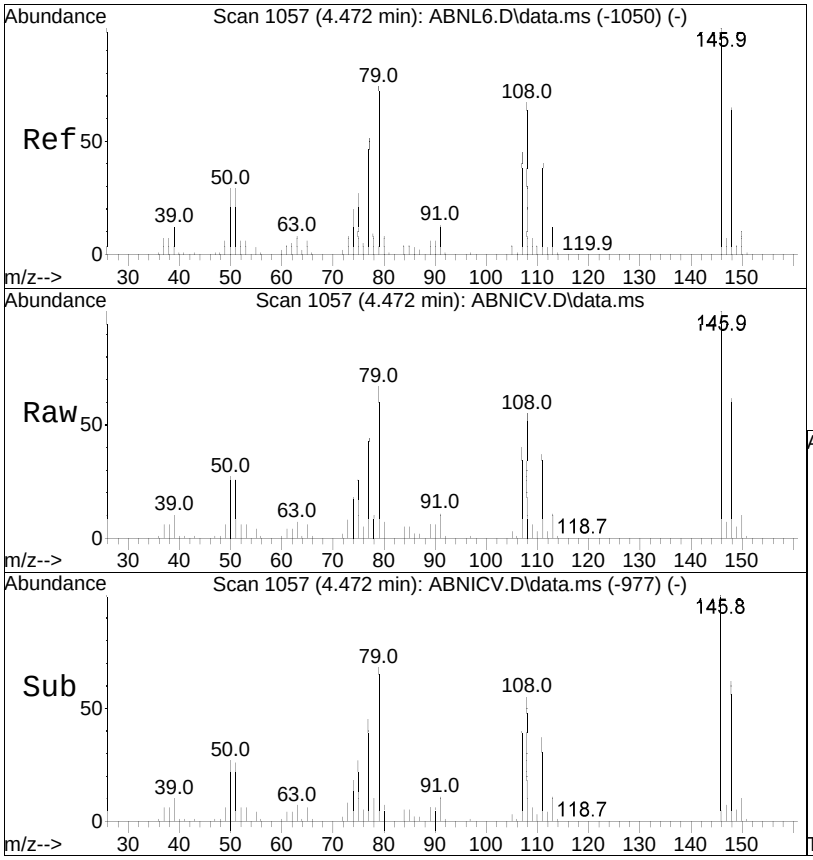


#12
1,2-Dichlorobenzene
Concen: 4.73 ug/ml
RT: 4.472 min Scan# 1057
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:146 Resp: 62187

Ion	Ratio	Lower	Upper
146	100		
111	37.4	34.6	52.0
148	63.6	50.2	75.4

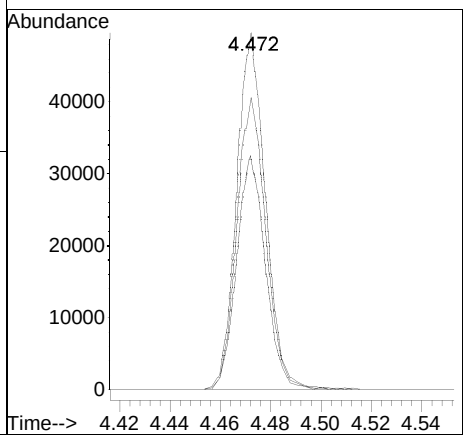


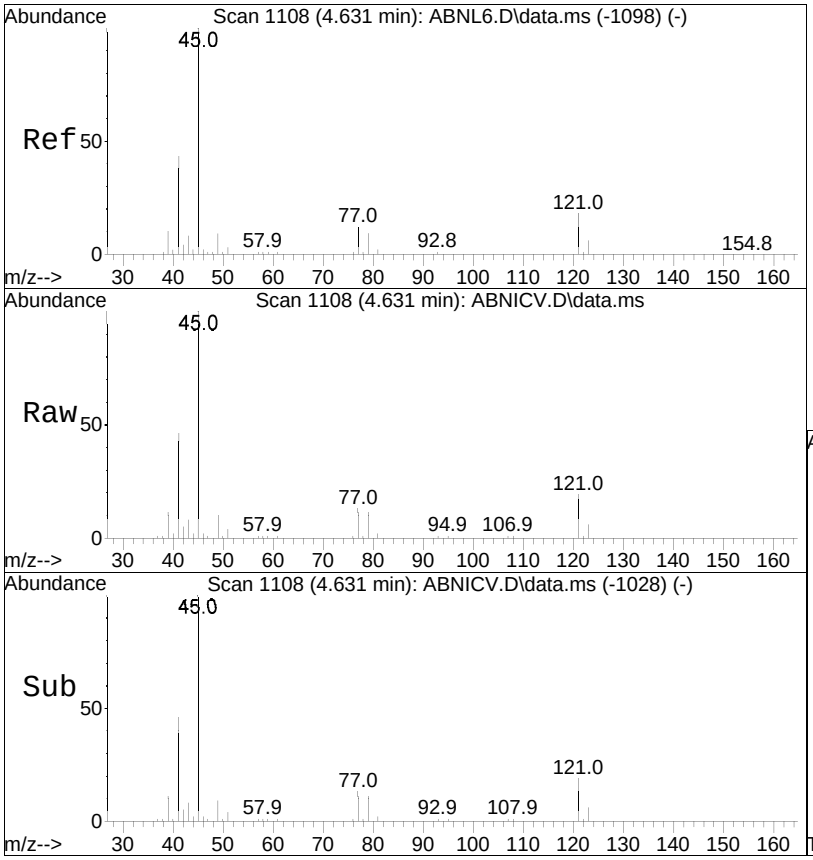


#13
Benzyl alcohol
Concen: 4.84 ug/ml
RT: 4.472 min Scan# 1057
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion: 79 Resp: 38998

Ion	Ratio	Lower	Upper
79	100		
77	65.9	54.9	82.3
108	82.4	63.1	94.7

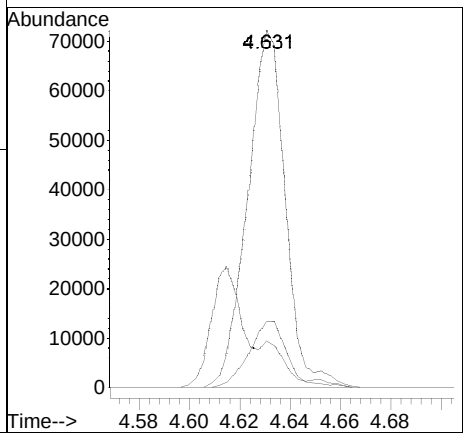


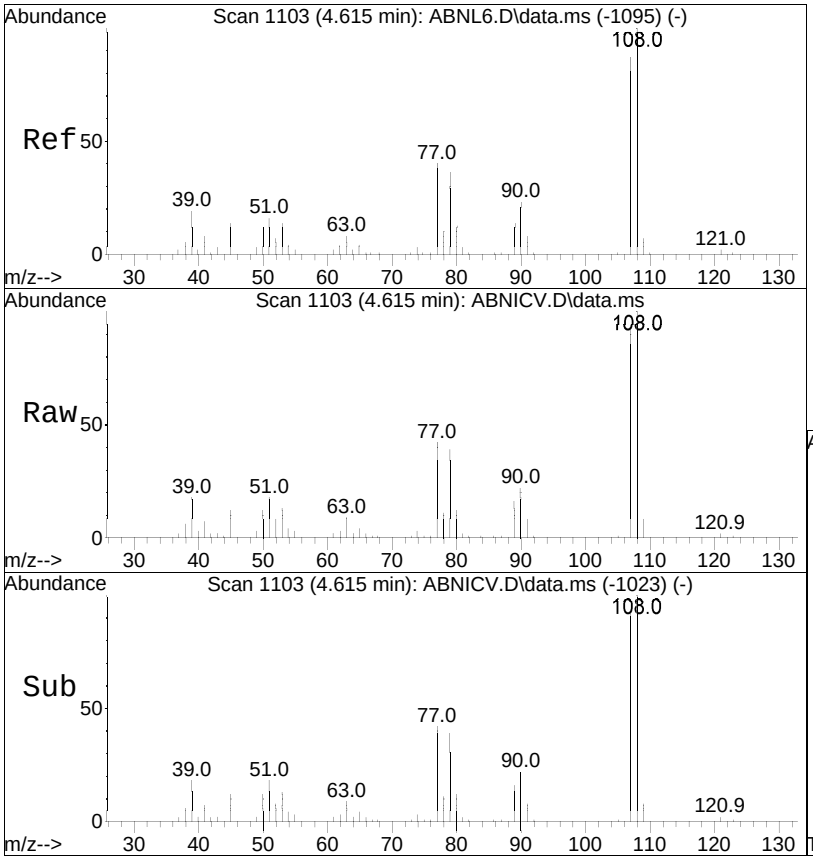


#14
Bis(2-chloroisopropyl)ether
Concen: 4.78 ug/ml
RT: 4.631 min Scan# 1108
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion: 45 Resp: 74631

Ion	Ratio	Lower	Upper
45	100		
121	18.9	9.8	14.6#
77	29.0	6.1	9.1#

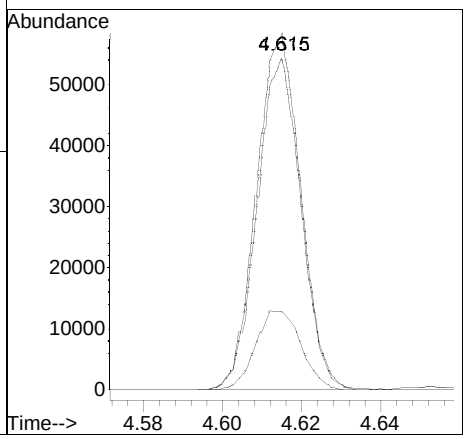


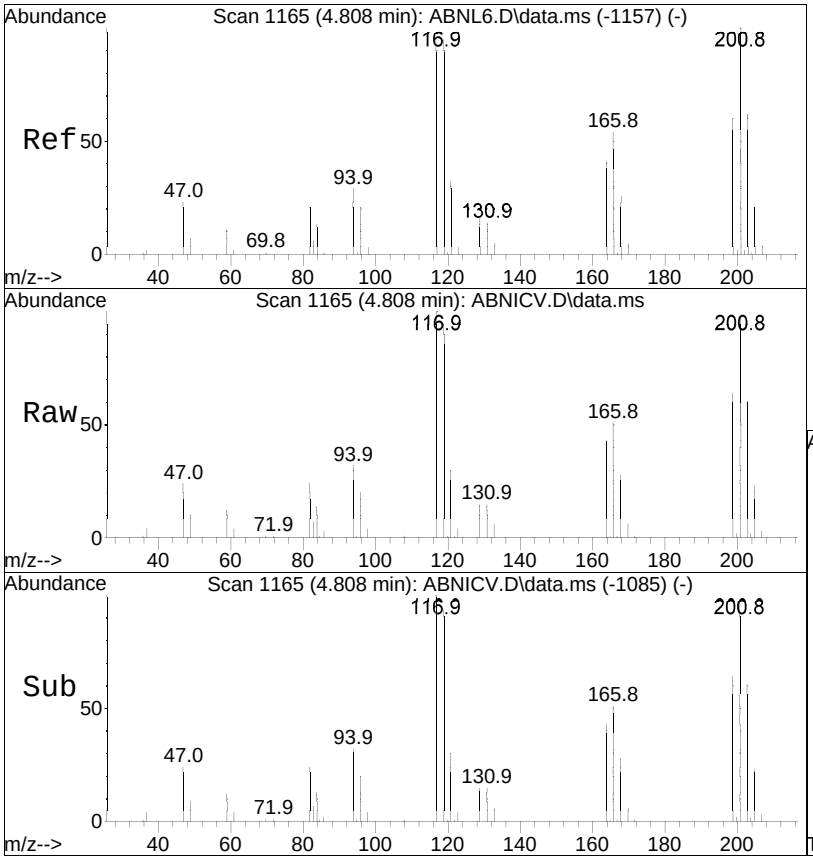


#15
2-Methylphenol
Concen: 4.87 ug/ml
RT: 4.615 min Scan# 1103
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:108 Resp: 44932

Ion	Ratio	Lower	Upper
108	100		
107	92.1	70.7	106.1
90	22.9	18.7	28.1

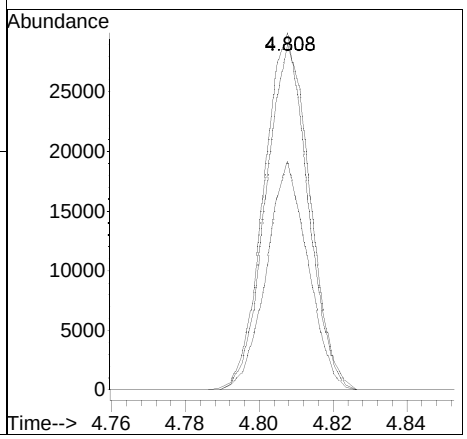


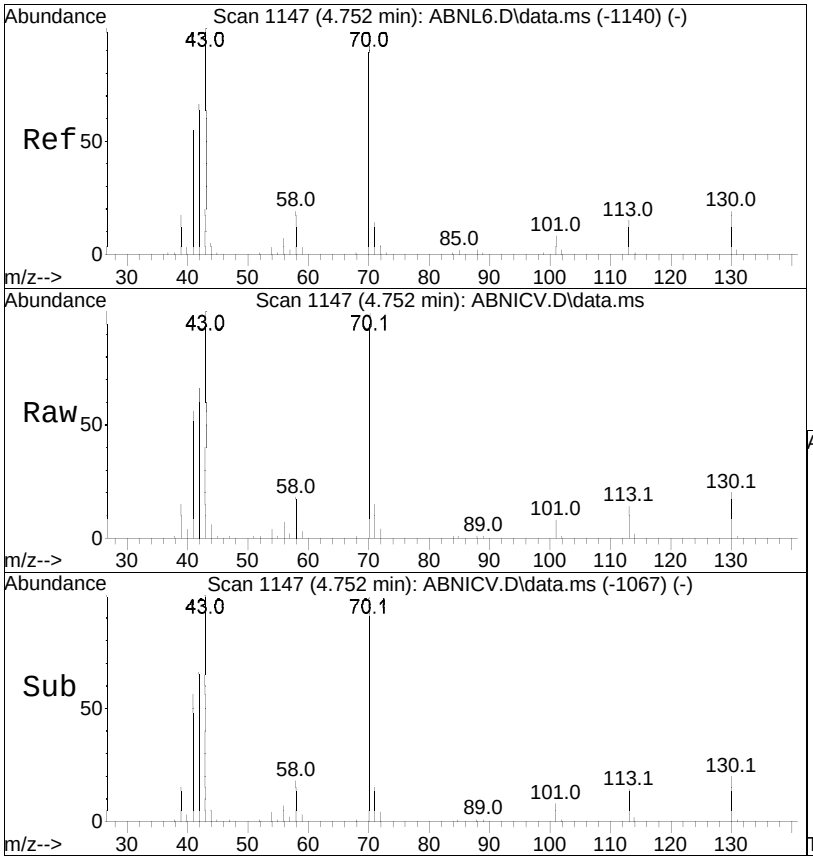


#16
Hexachloroethane
Concen: 4.90 ug/ml
RT: 4.808 min Scan# 1165
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:117 Resp: 24647

Ion	Ratio	Lower	Upper
117	100		
201	97.9	58.6	87.8#
199	60.8	36.9	55.3#

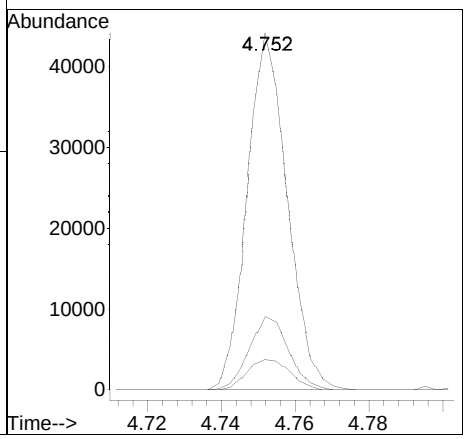


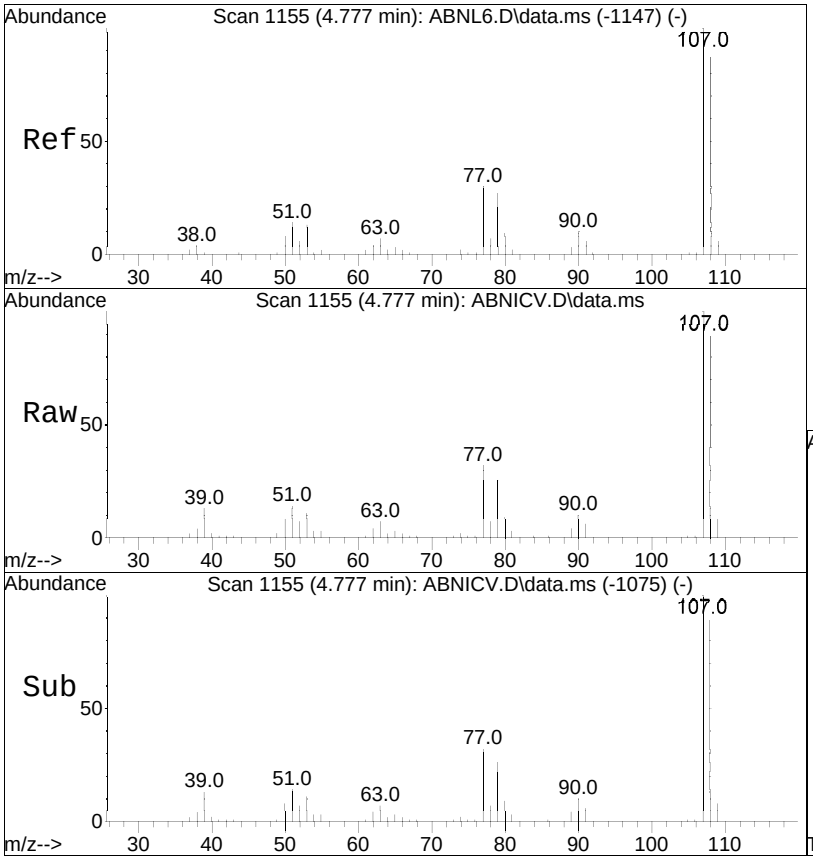


#17
n-Nitrosodi-n-propylamine
Concen: 4.87 ug/ml
RT: 4.752 min Scan# 1147
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion: 70 Resp: 33140

Ion	Ratio	Lower	Upper
70	100		
130	20.2	18.2	27.4
101	9.1	7.8	11.8

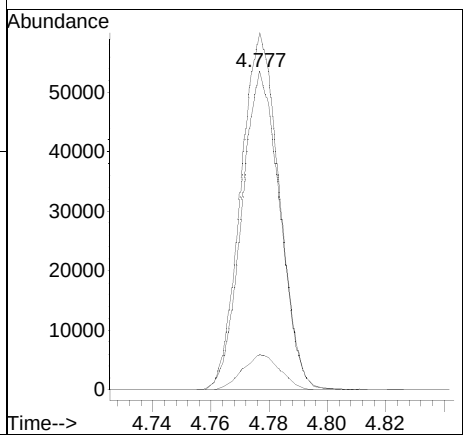


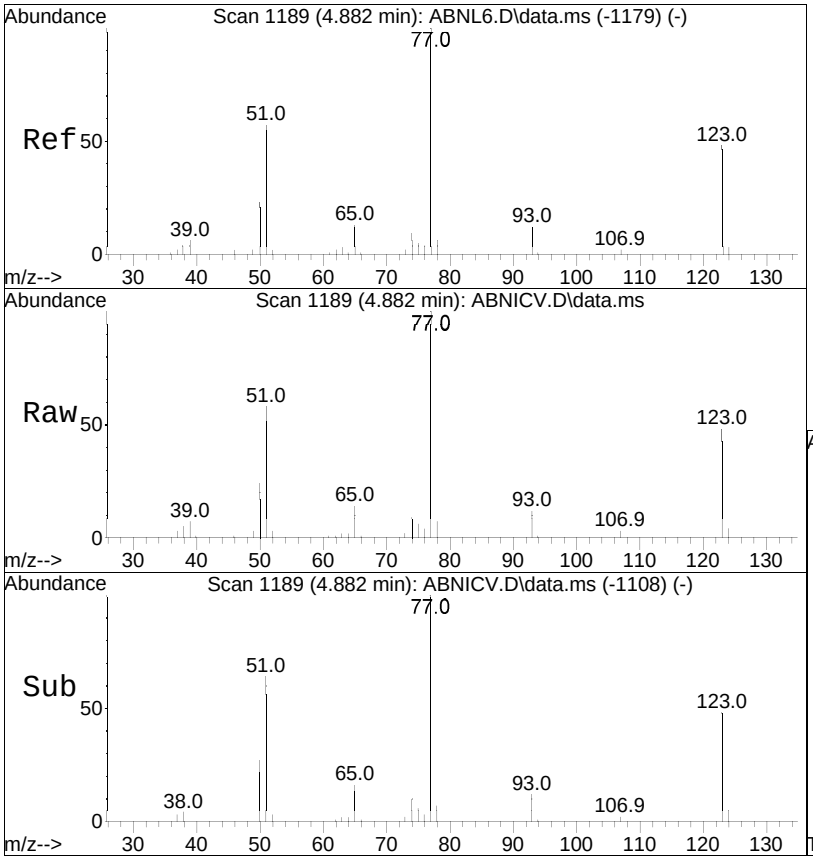


#18
3-Methylphenol/4-Methylphenol
Concen: 4.81 ug/ml
RT: 4.777 min Scan# 1155
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:108 Resp: 48542

Ion	Ratio	Lower	Upper
108	100		
107	112.9	88.6	132.8
90	10.9	8.8	13.2

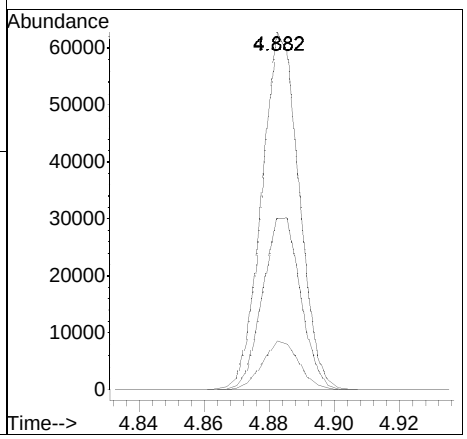


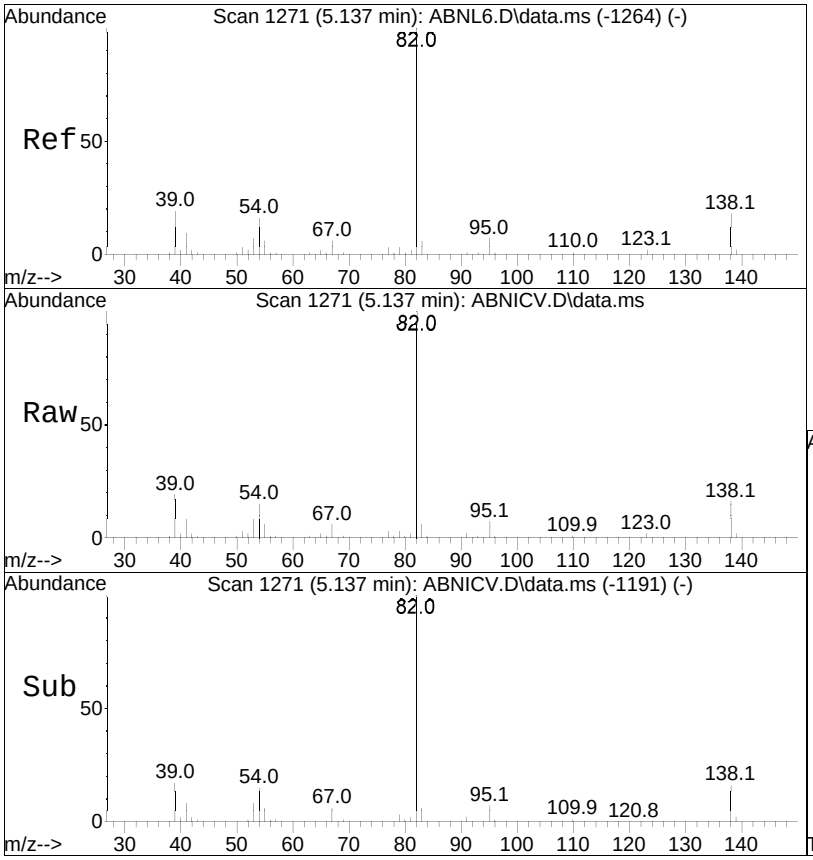


#20
Nitrobenzene
Concen: 4.72 ug/ml
RT: 4.882 min Scan# 1189
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion: 77 Resp: 49719

Ion	Ratio	Lower	Upper
77	100		
123	49.1	36.3	54.5
65	13.5	11.6	17.4

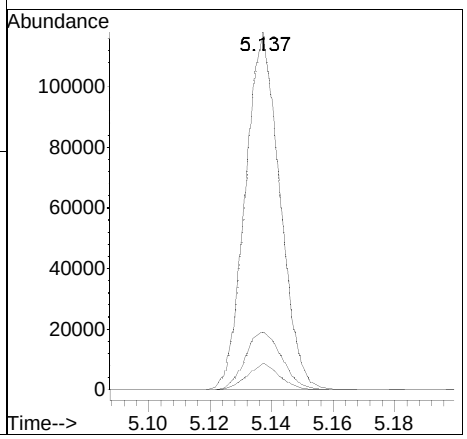


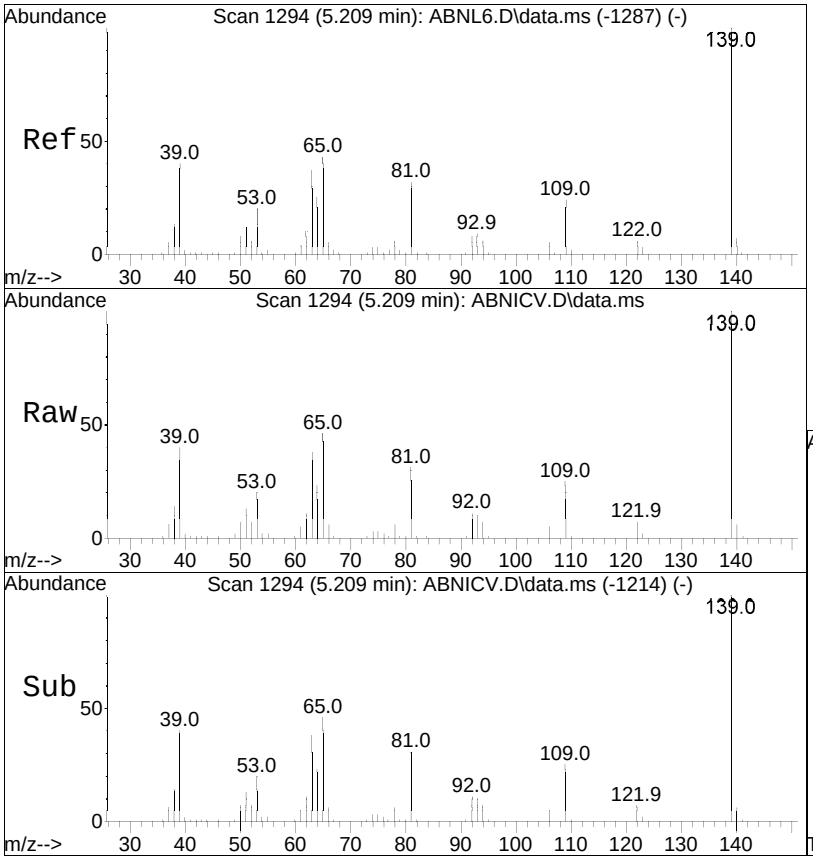


#21
Isophorone
Concen: 4.74 ug/ml
RT: 5.137 min Scan# 1271
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion: 82 Resp: 90972

Ion	Ratio	Lower	Upper
82	100		
138	17.2	14.7	22.1
95	7.0	5.2	7.8

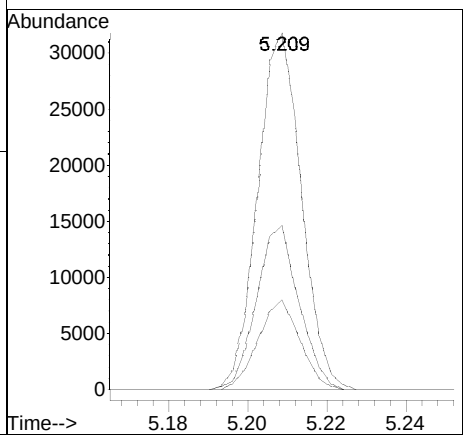


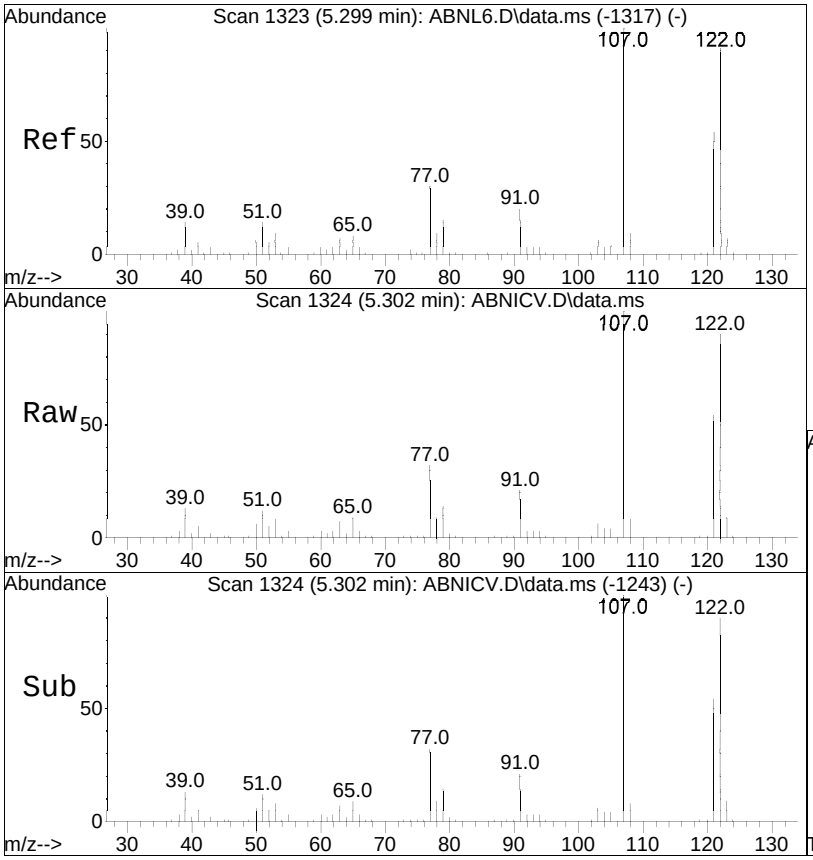


#22
2-Nitrophenol
Concen: 4.53 ug/ml
RT: 5.209 min Scan# 1294
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:139 Resp: 24246

Ion	Ratio	Lower	Upper
139	100		
109	24.2	19.4	29.0
65	44.8	46.1	69.1#

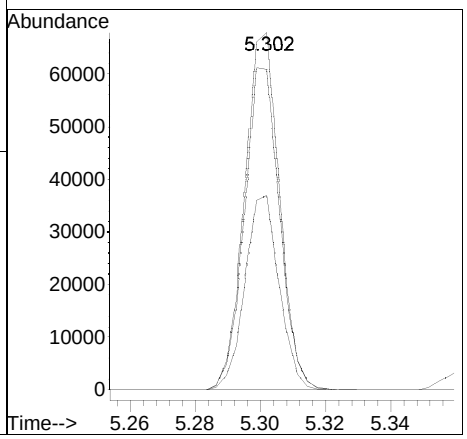


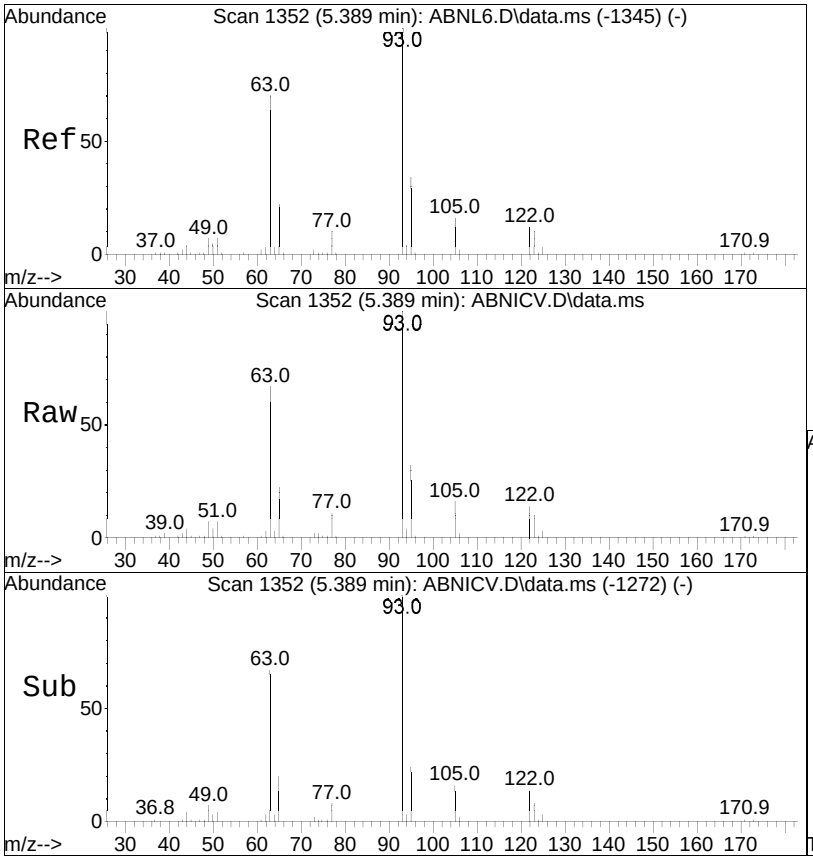


#23
2,4-Dimethylphenol
Concen: 4.75 ug/ml
RT: 5.302 min Scan# 1324
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:107 Resp: 50466

Ion	Ratio	Lower	Upper
107	100		
121	53.3	40.0	60.0
122	90.8	70.2	105.4

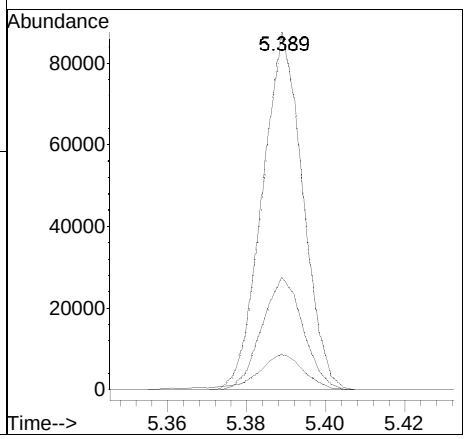


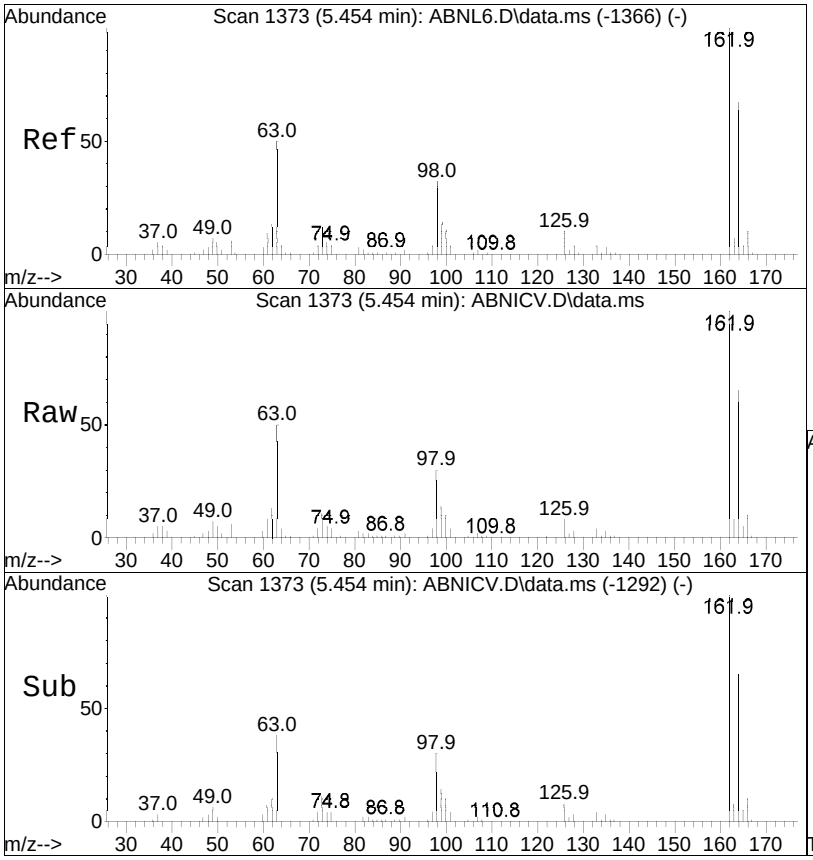


#24
Bis(2-chloroethoxy)methane
Concen: 4.78 ug/ml
RT: 5.389 min Scan# 1352
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion: 93 Resp: 61789

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.8	38.8
123	11.8	10.1	15.1

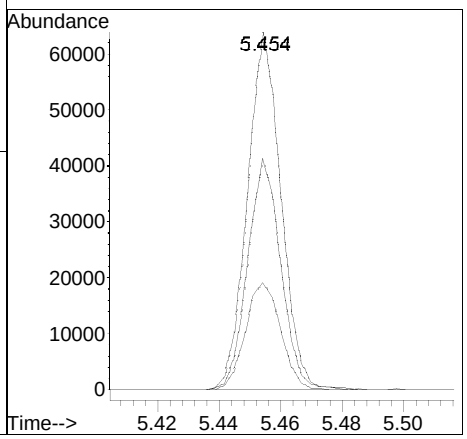


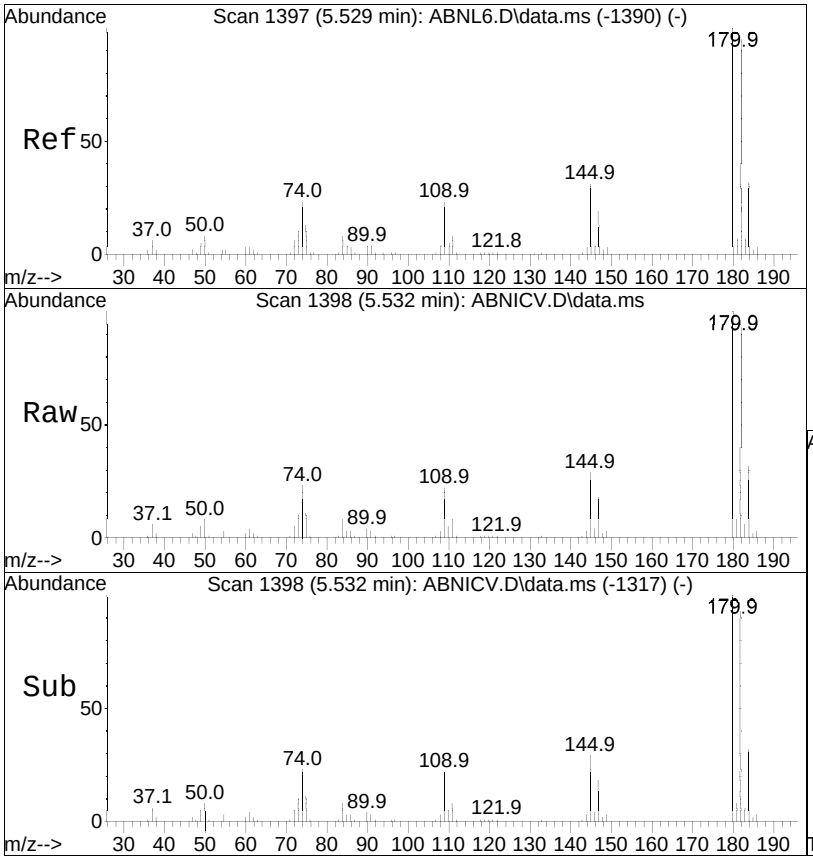


#25
2,4-Dichlorophenol
Concen: 4.91 ug/ml
RT: 5.454 min Scan# 1373
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:162 Resp: 47994

Ion	Ratio	Lower	Upper
162	100		
164	63.8	51.0	76.4
98	31.6	32.2	48.2#

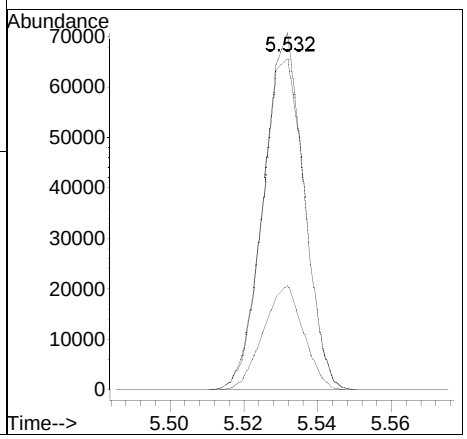


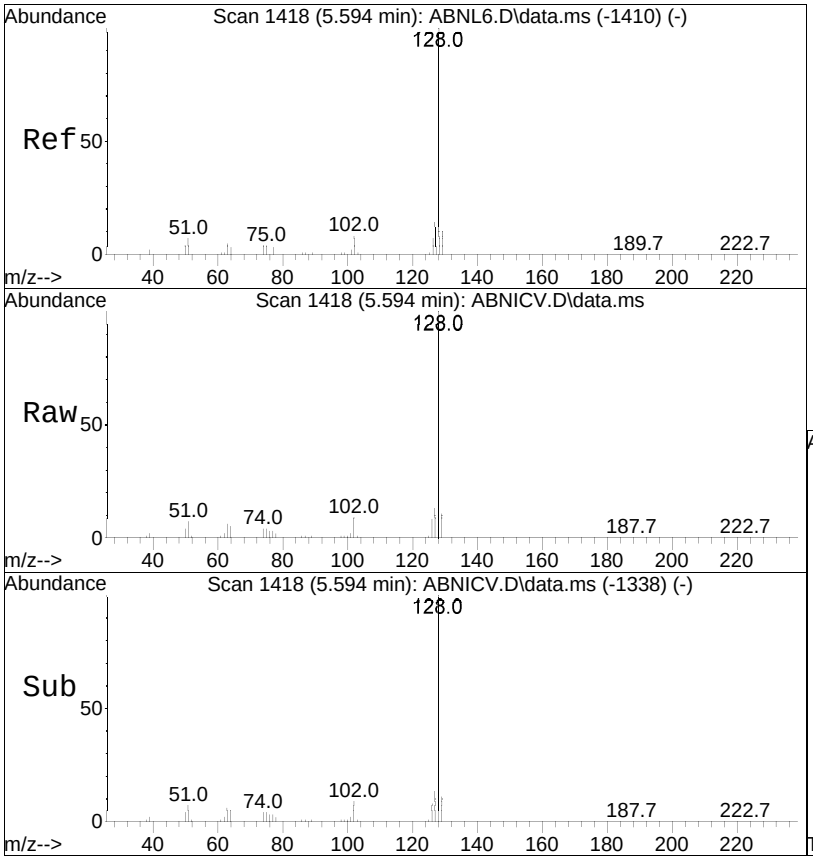


#26
1,2,4-Trichlorobenzene
Concen: 4.69 ug/ml
RT: 5.532 min Scan# 1398
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:180 Resp: 53860

Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.0	114.0
145	29.1	25.7	38.5

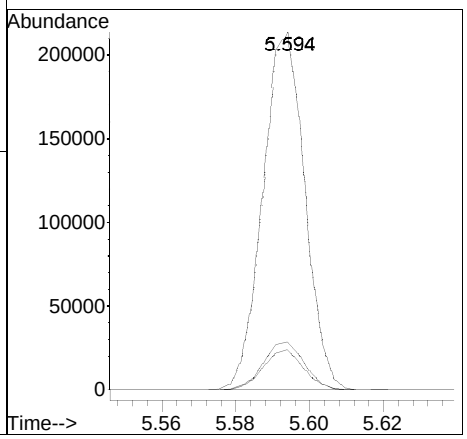


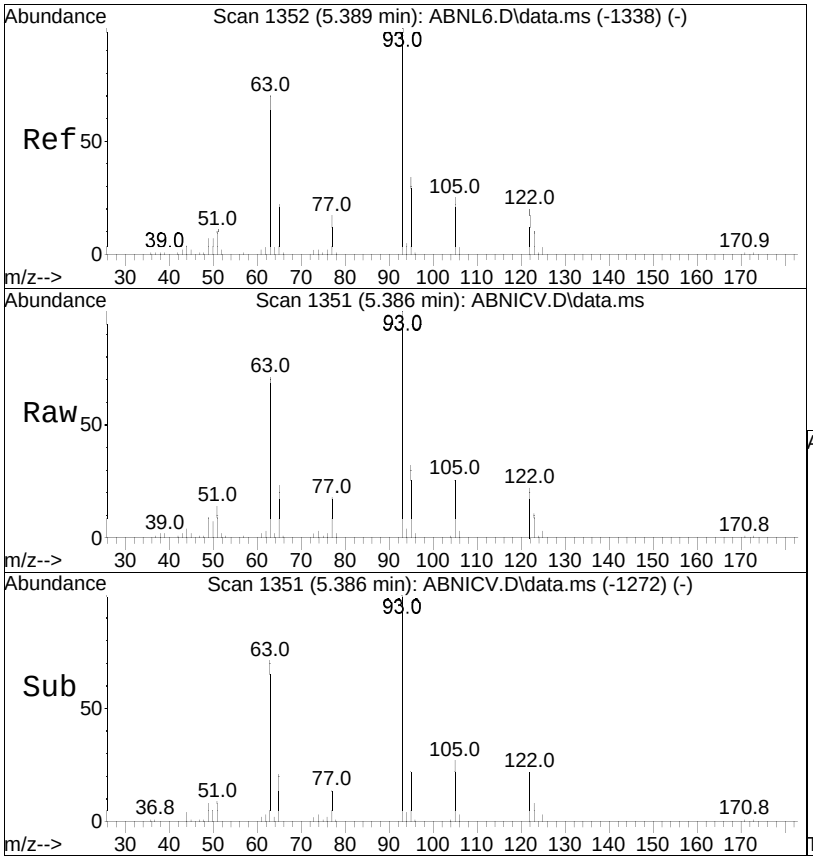


#36
Naphthalene
Concen: 4.75 ug/ml
RT: 5.594 min Scan# 1418
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:128 Resp: 167086

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.2	10.3	15.5

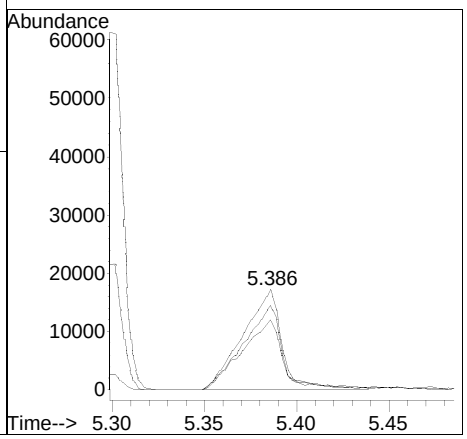


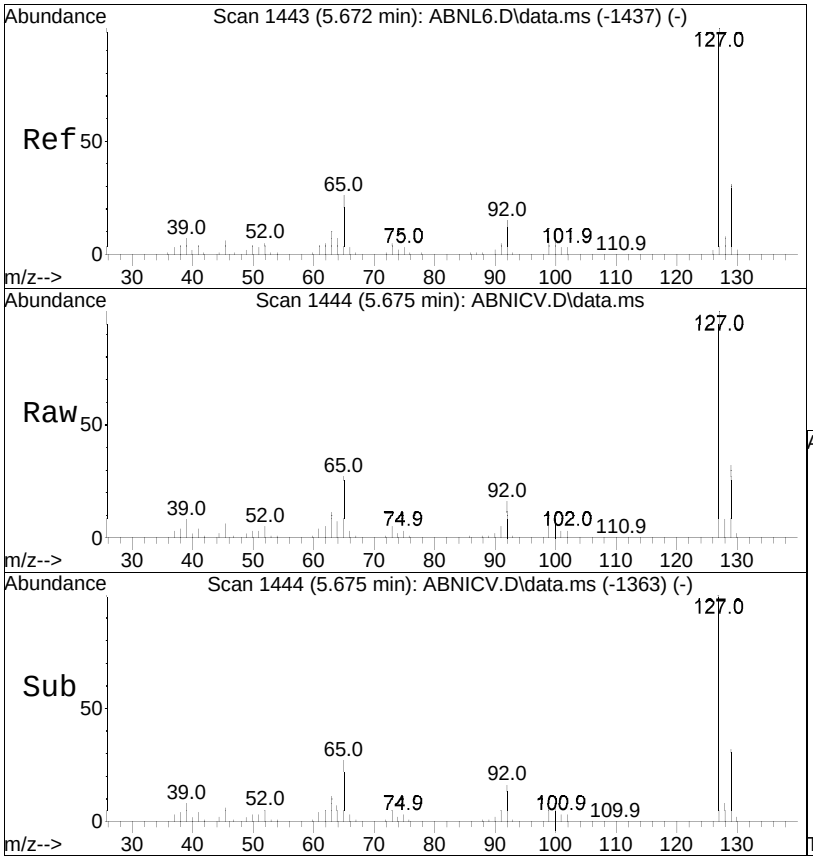


#37
Benzoic Acid
Concen: 3.67 ug/ml
RT: 5.386 min Scan# 1351
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:105 Resp: 25898

Ion	Ratio	Lower	Upper
105	100		
122	84.7	59.9	89.9
77	71.6	60.1	90.1

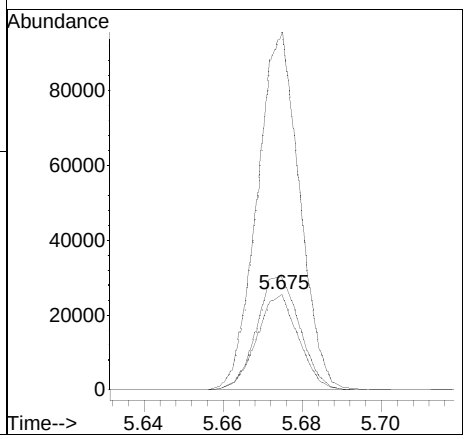


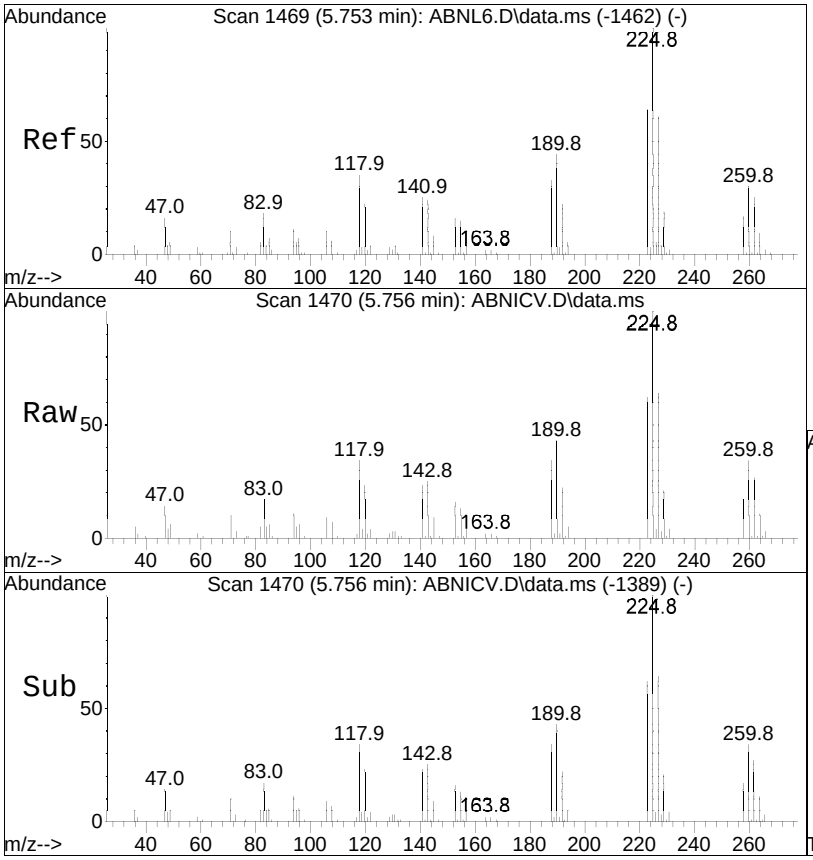


#38
4-Chloroaniline
Concen: 4.89 ug/ml
RT: 5.675 min Scan# 1444
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion: 65 Resp: 18628

Ion	Ratio	Lower	Upper
65	100		
127	377.7	237.6	356.4#
129	122.8	76.3	114.5#

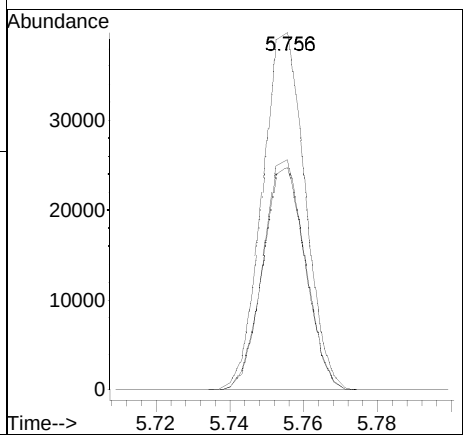


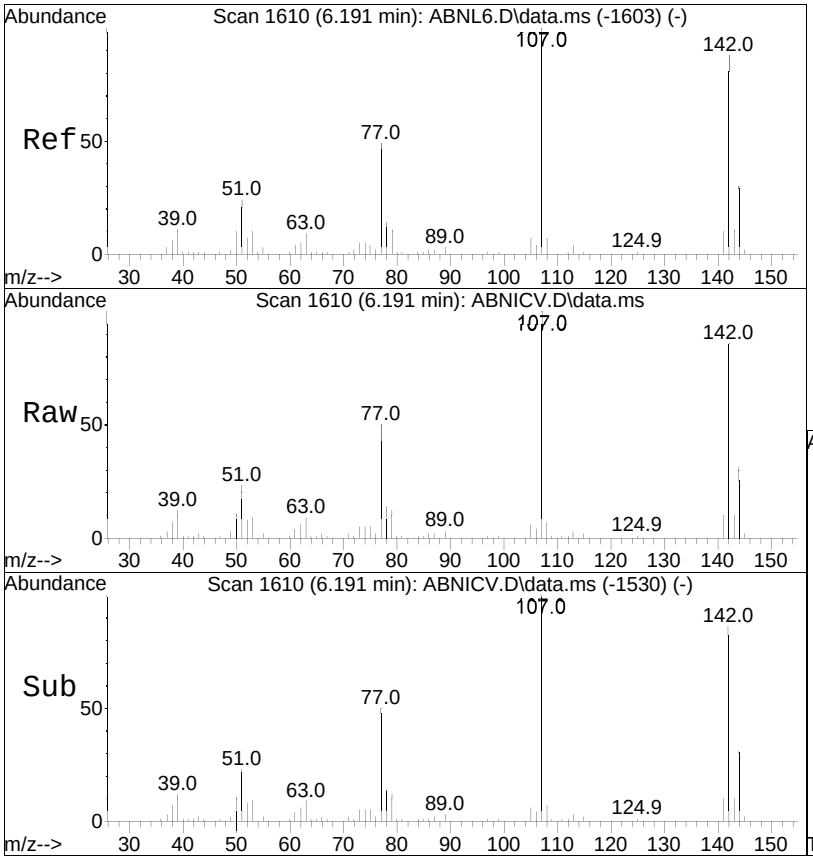


#39
Hexachlorobutadiene
Concen: 4.91 ug/ml
RT: 5.756 min Scan# 1470
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:225 Resp: 31995

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.3	75.5
227	63.6	52.2	78.2

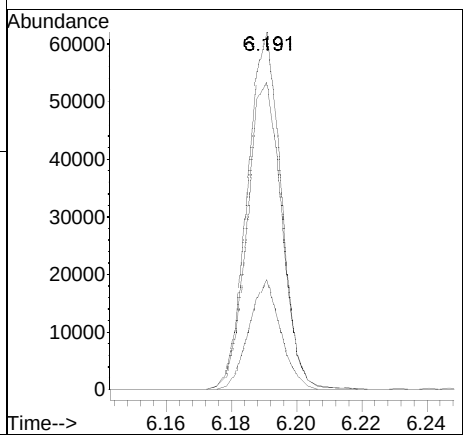


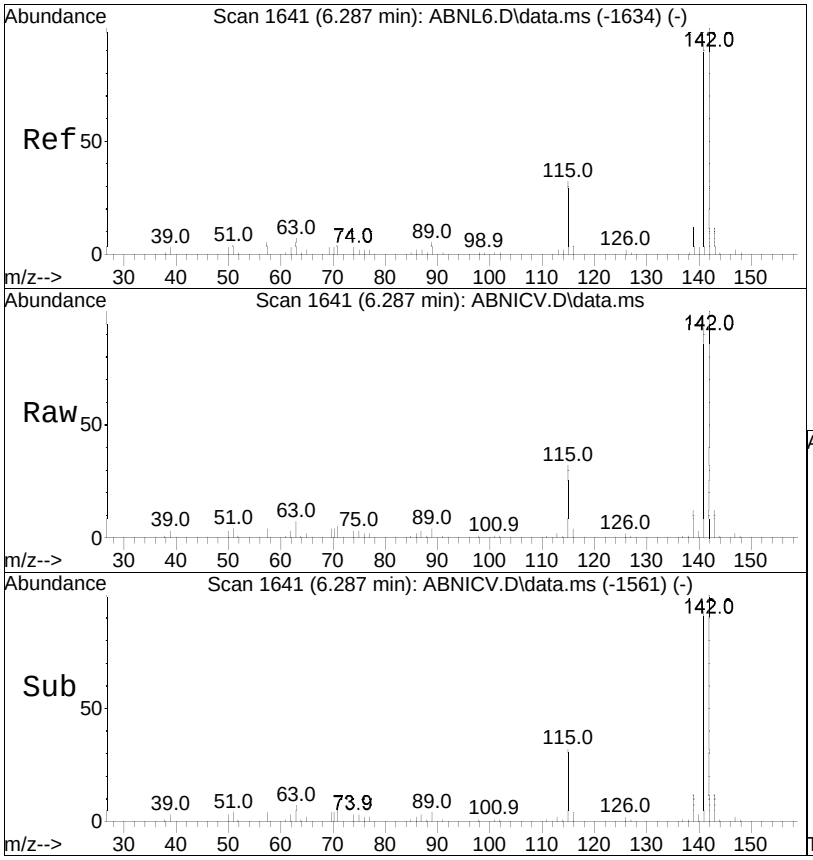


#40
p-Chloro-m-cresol
Concen: 4.79 ug/ml
RT: 6.191 min Scan# 1610
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:107 Resp: 44260

Ion	Ratio	Lower	Upper
107	100		
144	29.0	20.9	31.3
142	88.4	66.1	99.1

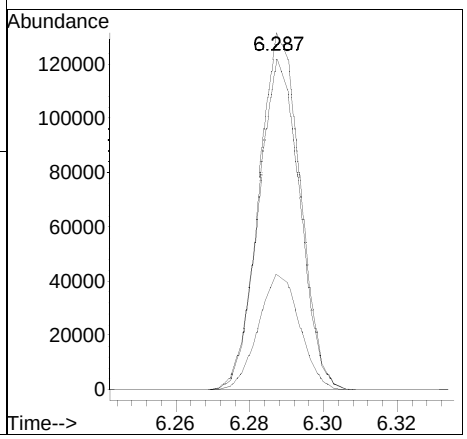


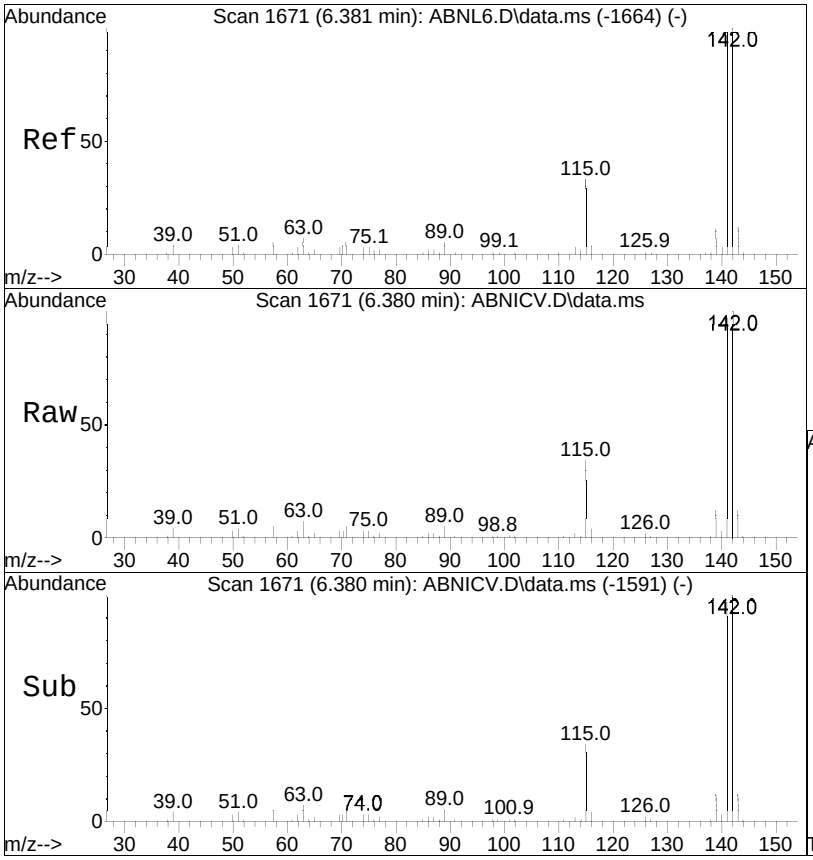


#41
2-Methylnaphthalene
Concen: 4.93 ug/ml
RT: 6.287 min Scan# 1641
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:142 Resp: 102775

Ion	Ratio	Lower	Upper
142	100		
141	91.9	69.6	104.4
115	32.4	26.6	40.0

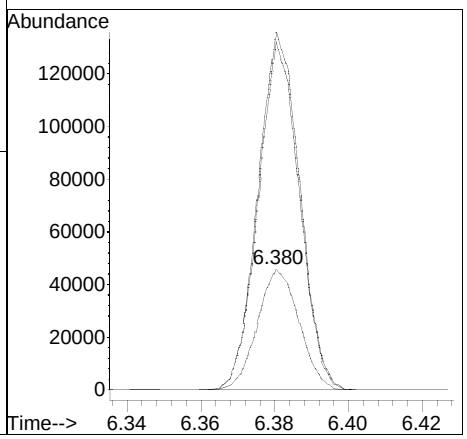


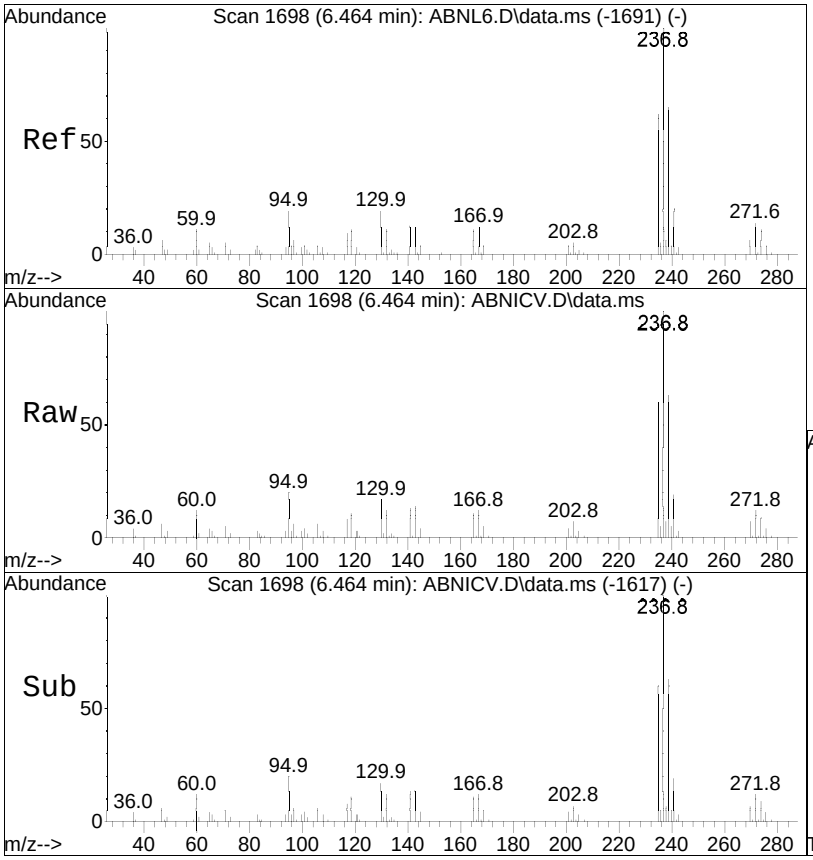


#42
1-Methylnaphthalene
Concen: 4.83 ug/ml
RT: 6.380 min Scan# 1671
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:115 Resp: 35694

Ion	Ratio	Lower	Upper
115	100		
141	281.6	207.8	311.6
142	296.1	226.8	340.2

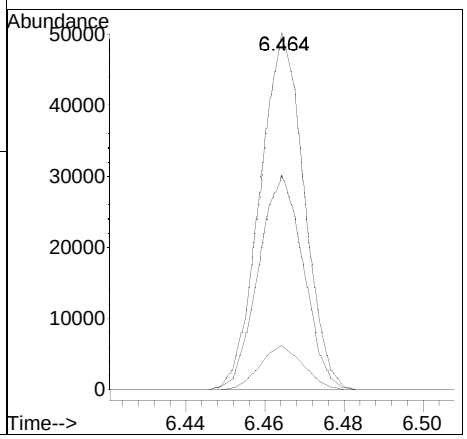


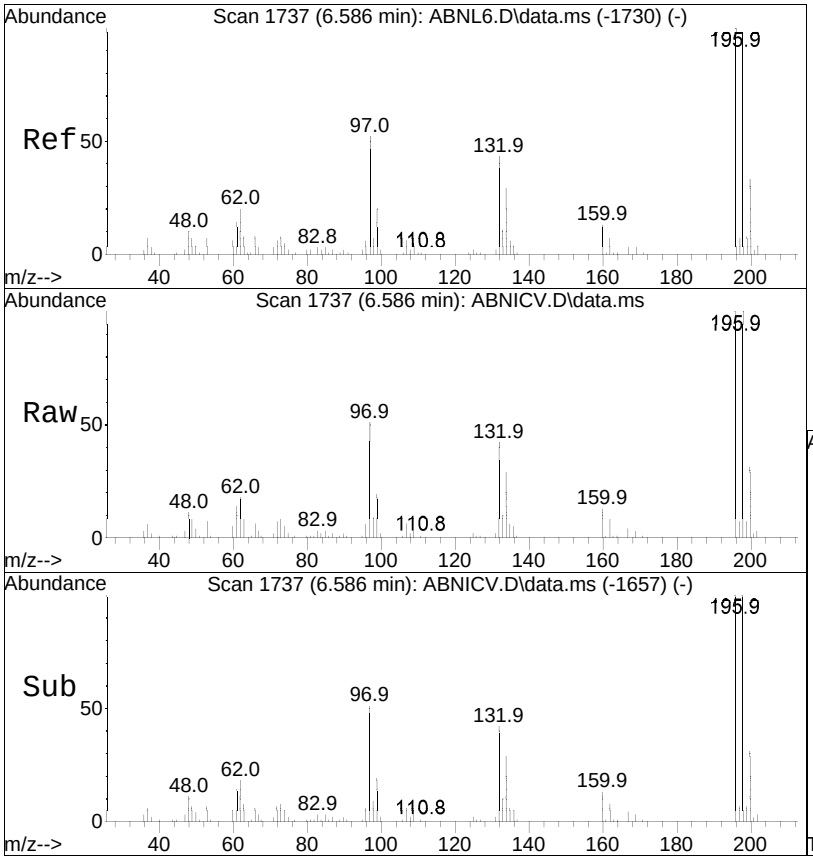


#43
Hexachlorocyclopentadiene
Concen: 4.69 ug/ml
RT: 6.464 min Scan# 1698
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:237 Resp: 38722

Ion	Ratio	Lower	Upper
237	100		
235	61.7	49.7	74.5
272	12.3	9.8	14.6

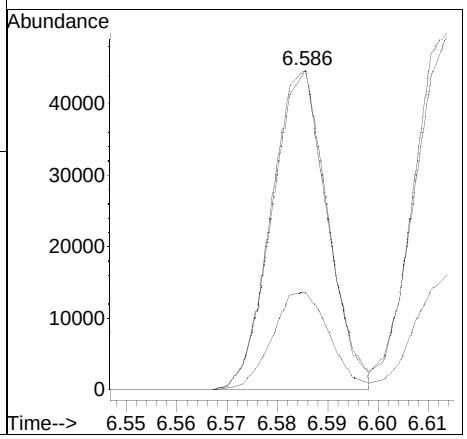


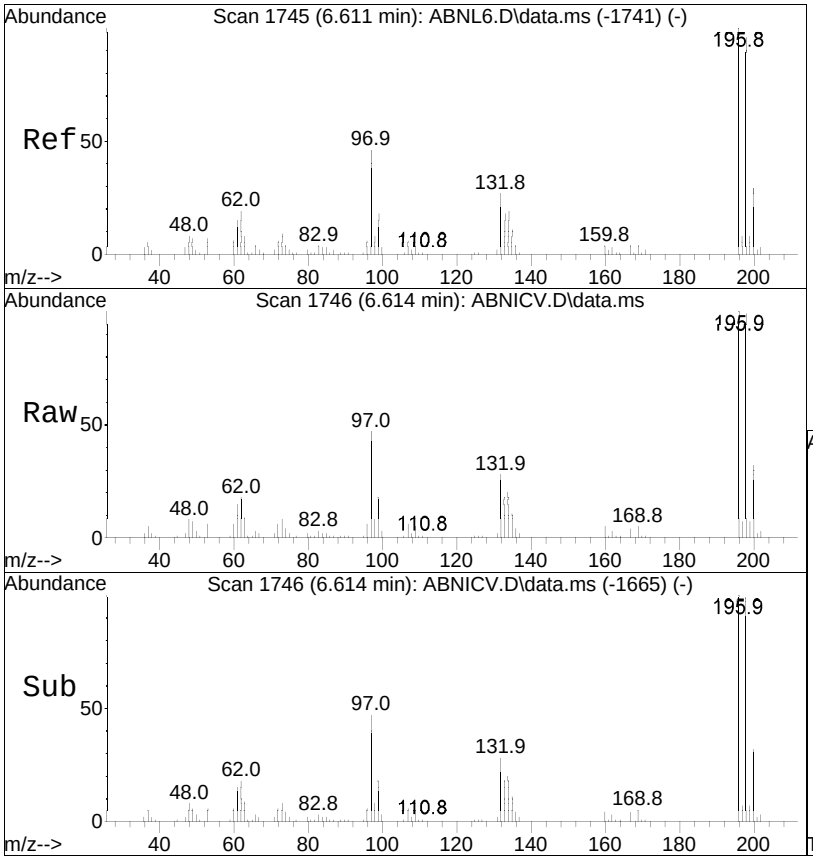


#44
2,4,6-Trichlorophenol
Concen: 4.98 ug/ml
RT: 6.586 min Scan# 1737
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:196 Resp: 34572

Ion	Ratio	Lower	Upper
196	100		
198	99.4	77.5	116.3
200	31.4	23.8	35.6

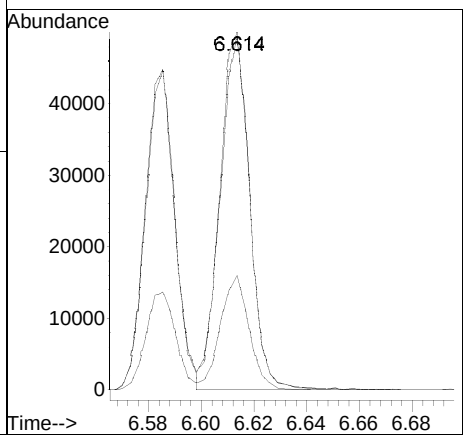


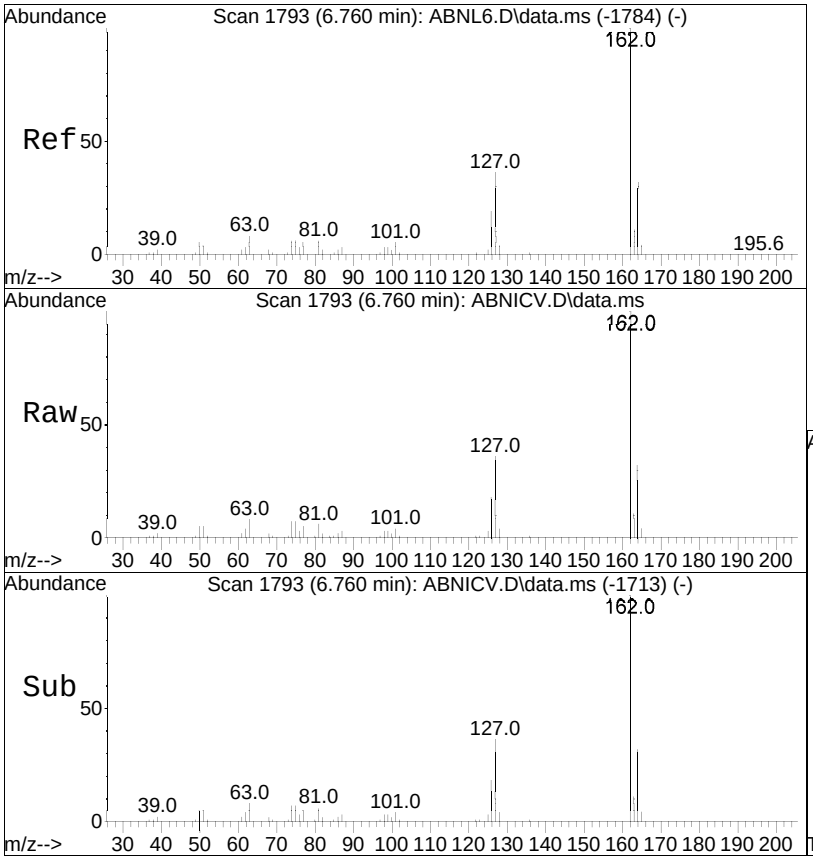


#45
2,4,5-Trichlorophenol
Concen: 5.08 ug/ml
RT: 6.614 min Scan# 1746
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:196 Resp: 39530

Ion	Ratio	Lower	Upper
196	100		
200	30.8	25.4	38.0
198	96.1	78.0	117.0

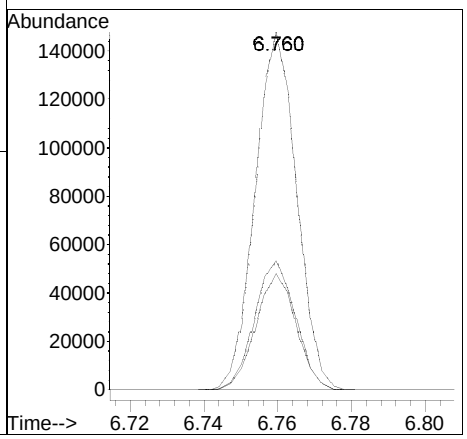


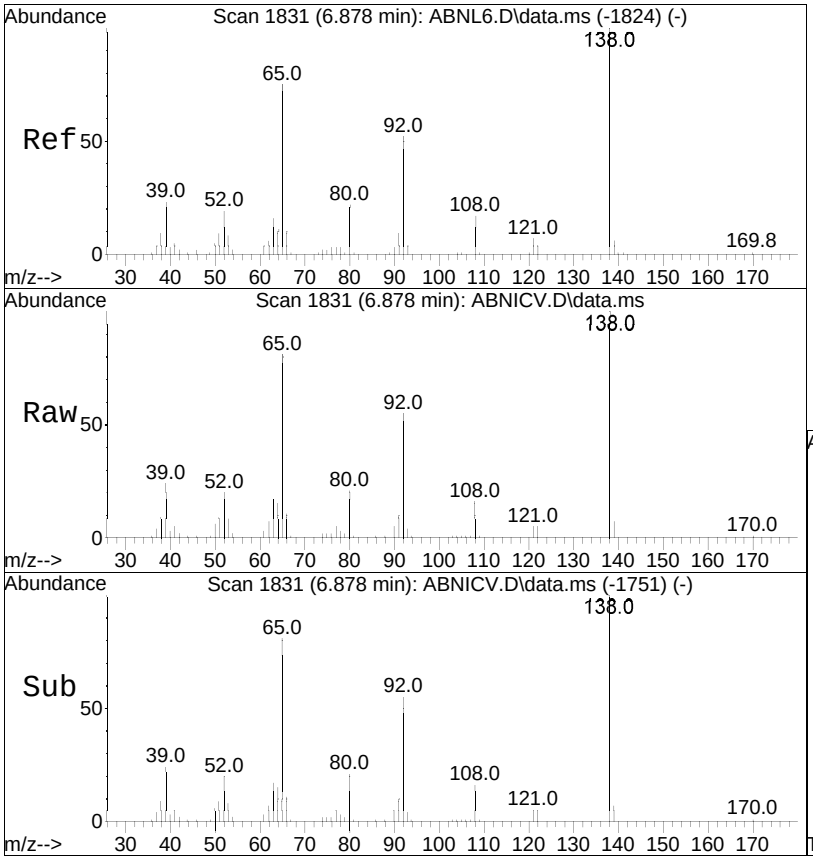


#47
2-Chloronaphthalene
Concen: 4.83 ug/ml
RT: 6.760 min Scan# 1793
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:162 Resp: 114228

Ion	Ratio	Lower	Upper
162	100		
127	35.9	32.2	48.4
164	31.9	25.7	38.5

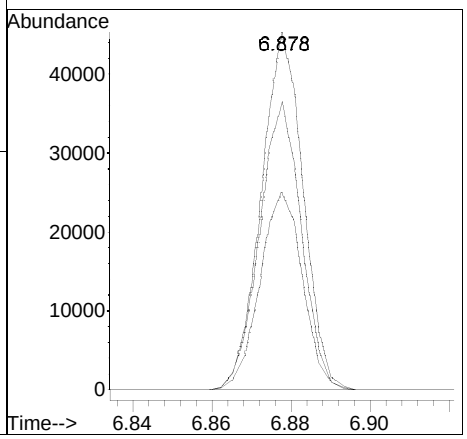


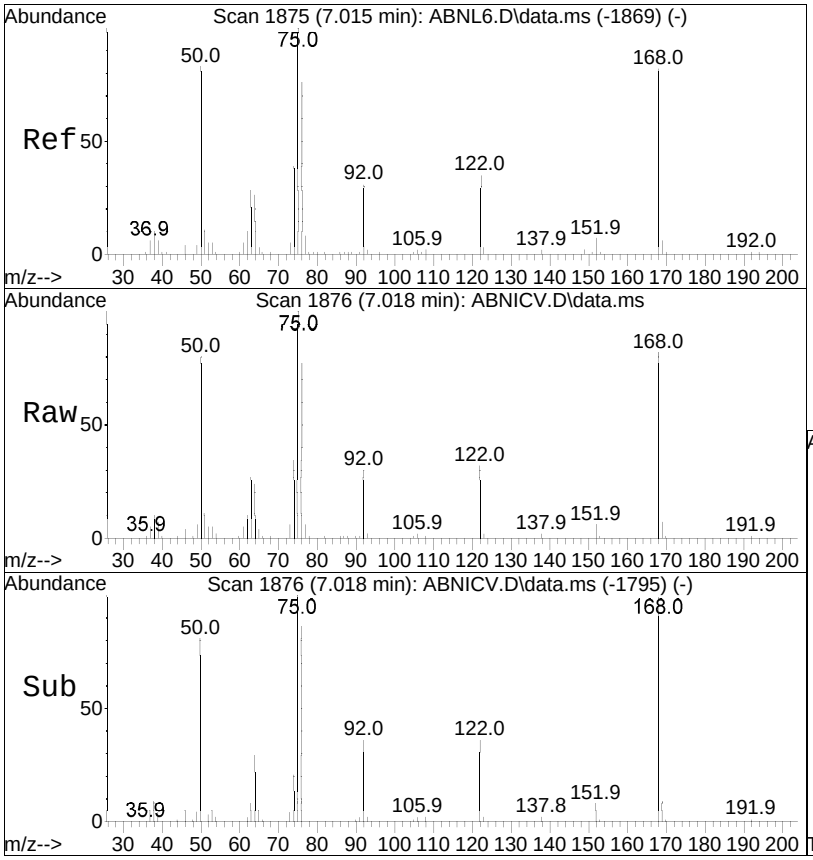


#48
2-Nitroaniline
Concen: 4.94 ug/ml
RT: 6.878 min Scan# 1831
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:138 Resp: 33114

Ion	Ratio	Lower	Upper
138	100		
92	56.3	53.5	80.3
65	80.3	86.3	129.5#

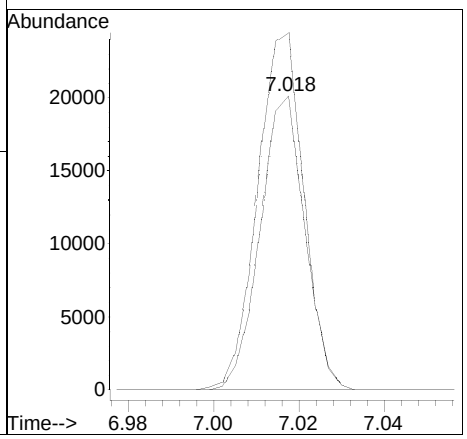


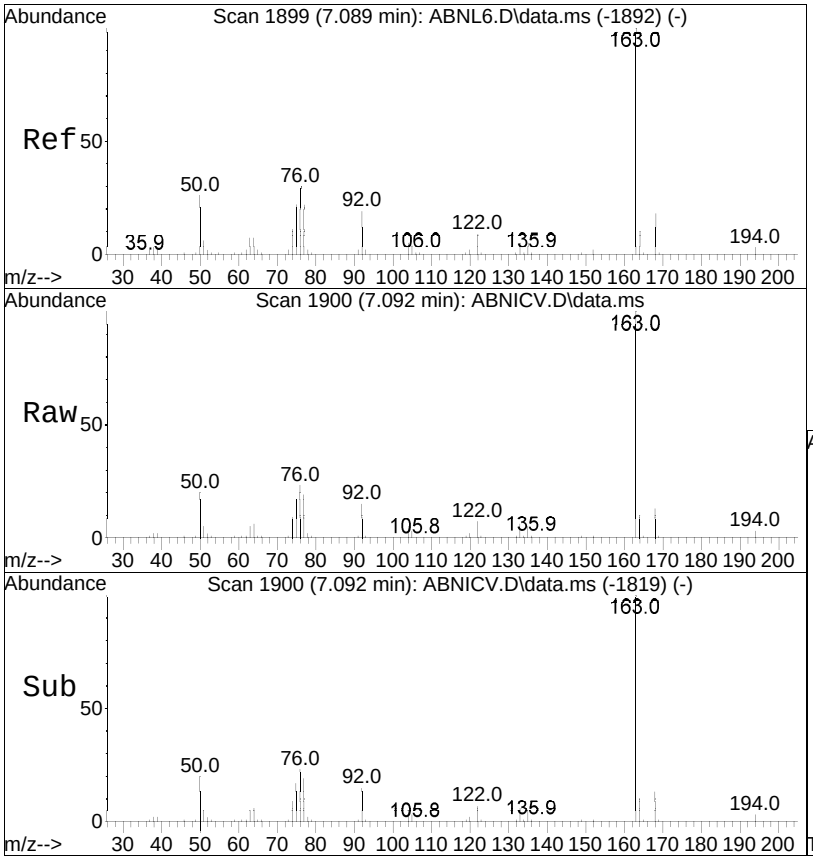


#49
1,4-Dinitrobenzene
Concen: 4.65 ug/ml
RT: 7.018 min Scan# 1876
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:168 Resp: 14690

Ion	Ratio	Lower	Upper
168	100		
75	125.4	121.8	182.8

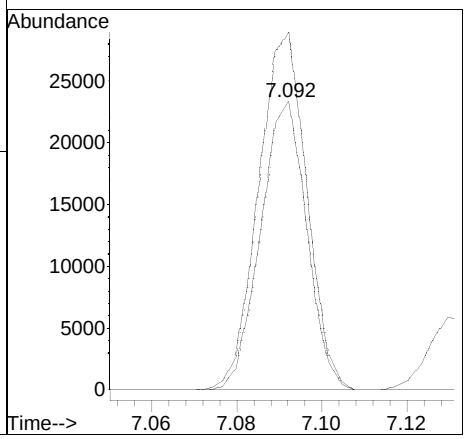


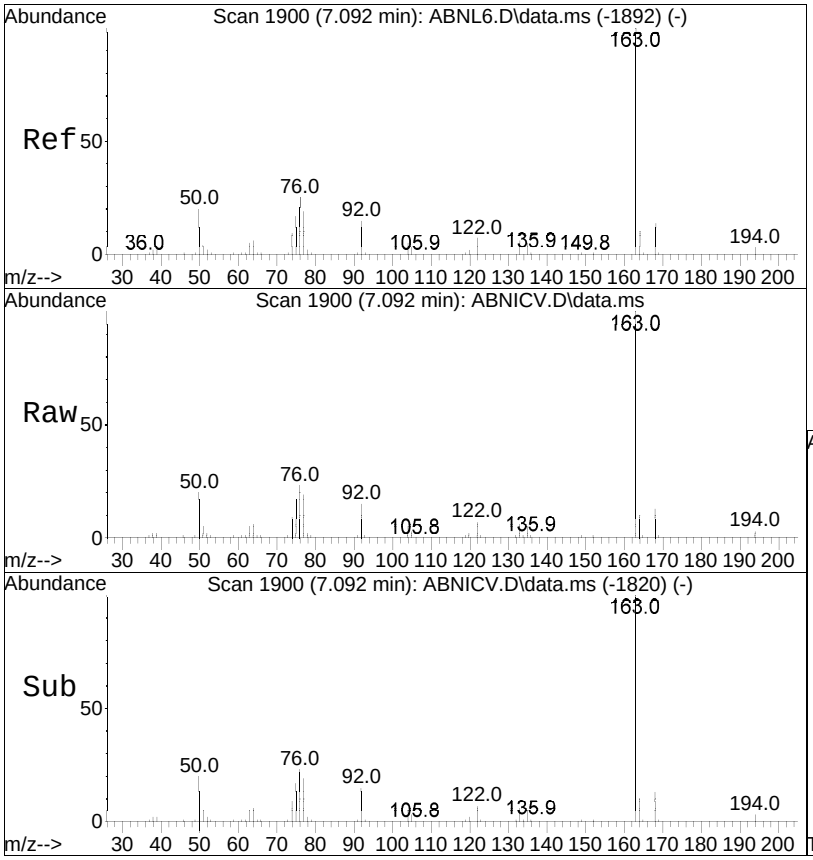


#50
1,3-Dinitrobenzene
Concen: 4.81 ug/ml
RT: 7.092 min Scan# 1900
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:168 Resp: 17461

Ion	Ratio	Lower	Upper
168	100		
75	129.3	22.7	34.1#

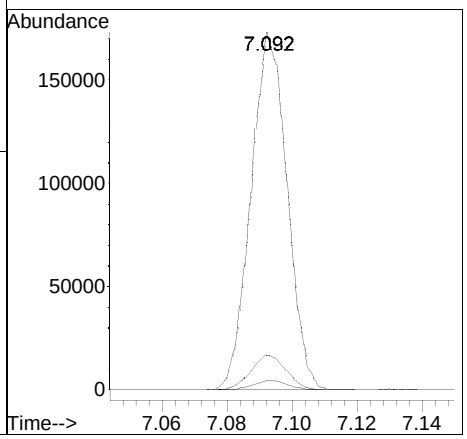


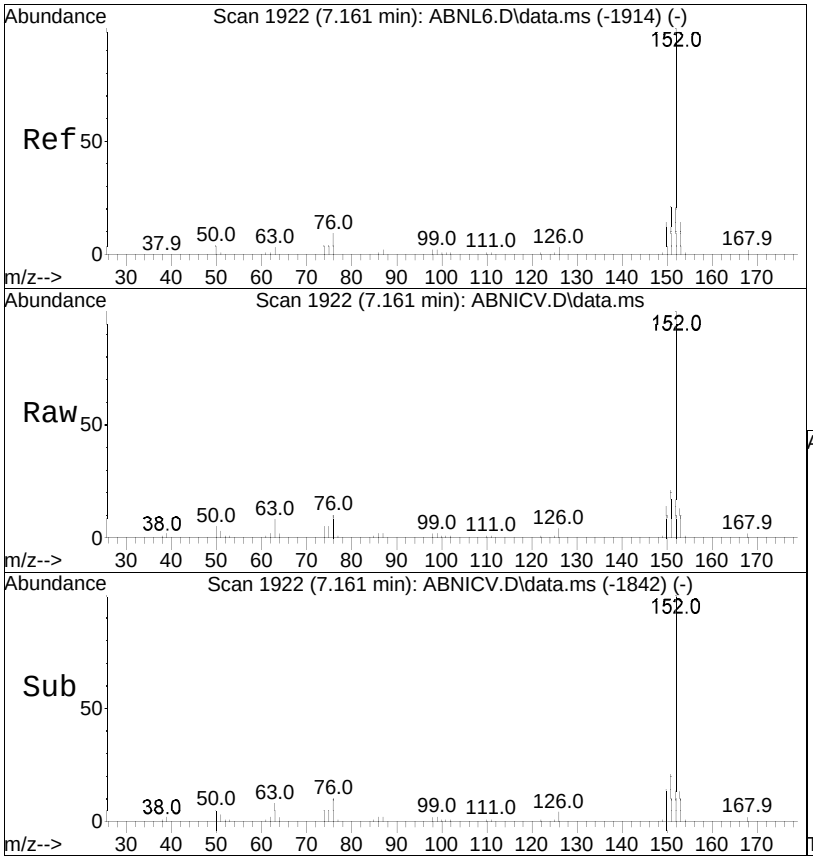


#51
Dimethyl phthalate
Concen: 4.75 ug/ml
RT: 7.092 min Scan# 1900
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:163 Resp: 132414

Ion	Ratio	Lower	Upper
163	100		
194	2.7	3.5	5.3#
164	9.7	7.9	11.9

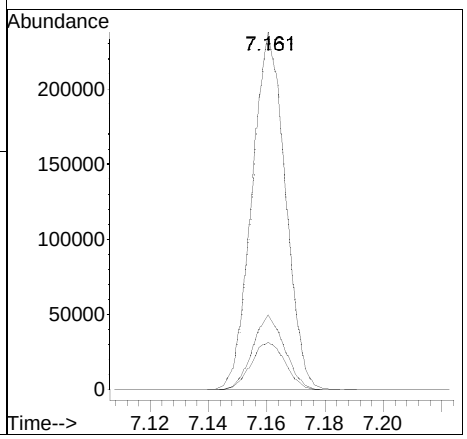


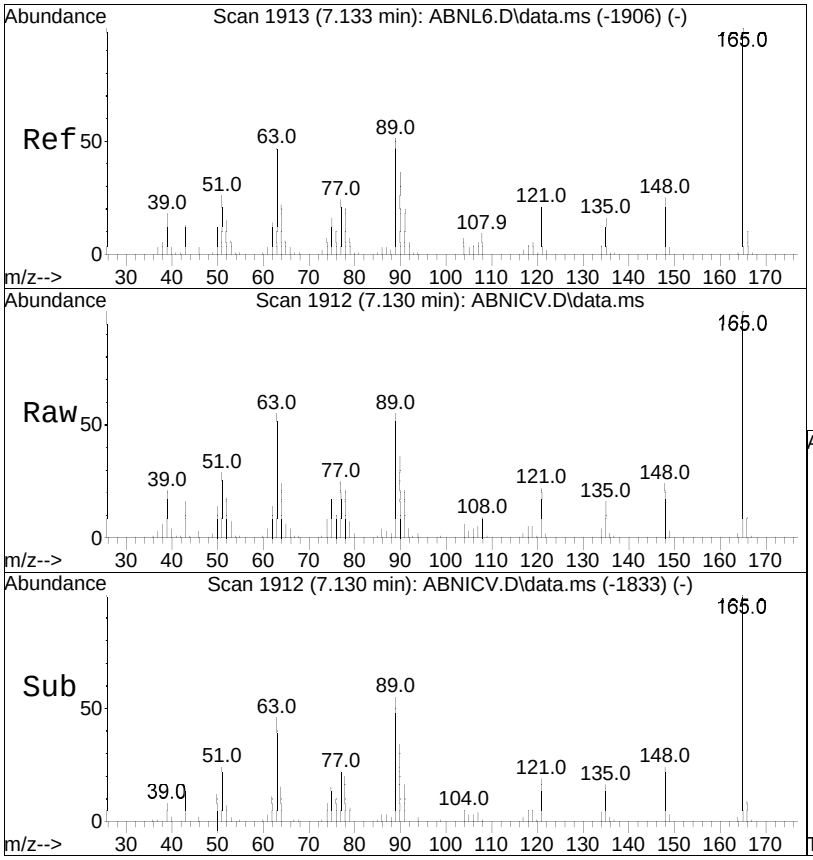


#52
Acenaphthylene
Concen: 4.91 ug/ml
RT: 7.161 min Scan# 1922
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:152 Resp: 186814

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.6
153	13.7	10.5	15.7

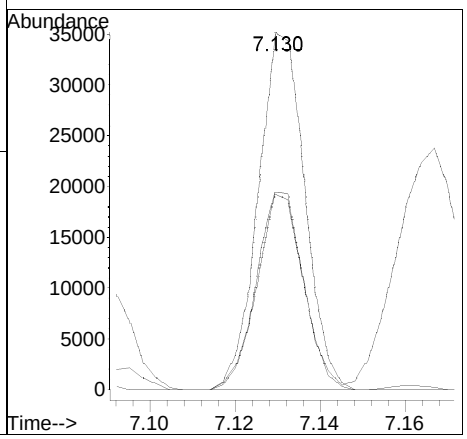


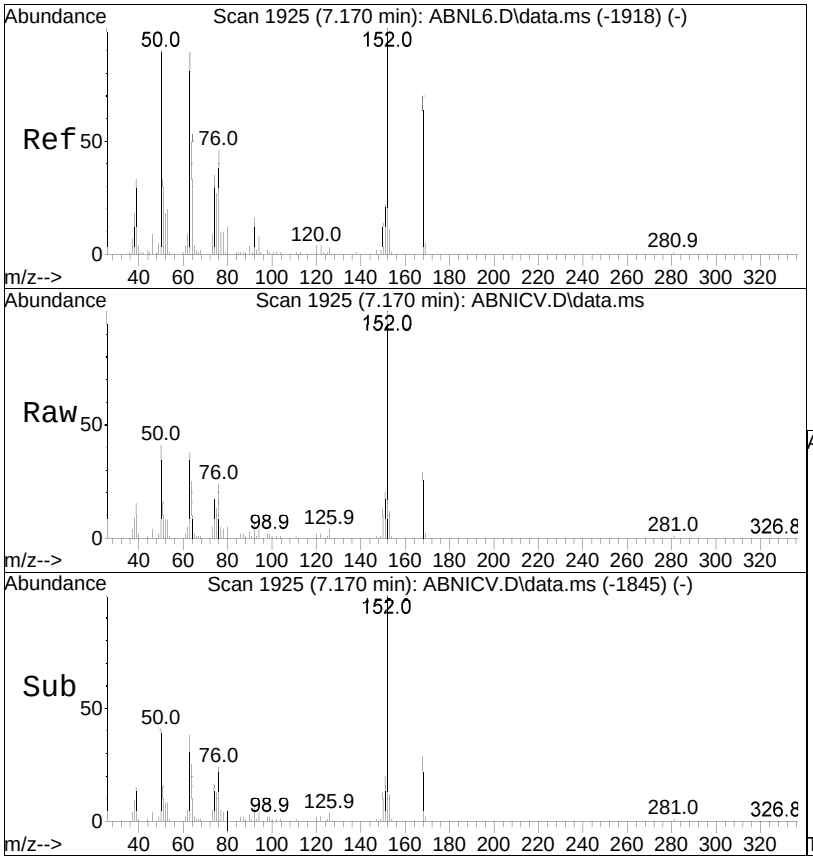


#53
2,6-Dinitrotoluene
Concen: 4.91 ug/ml
RT: 7.130 min Scan# 1912
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:165 Resp: 26686

Ion	Ratio	Lower	Upper
165	100		
89	54.4	54.2	81.2
63	56.6	64.2	96.2#

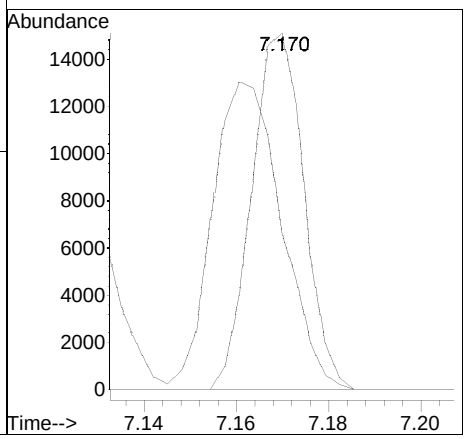


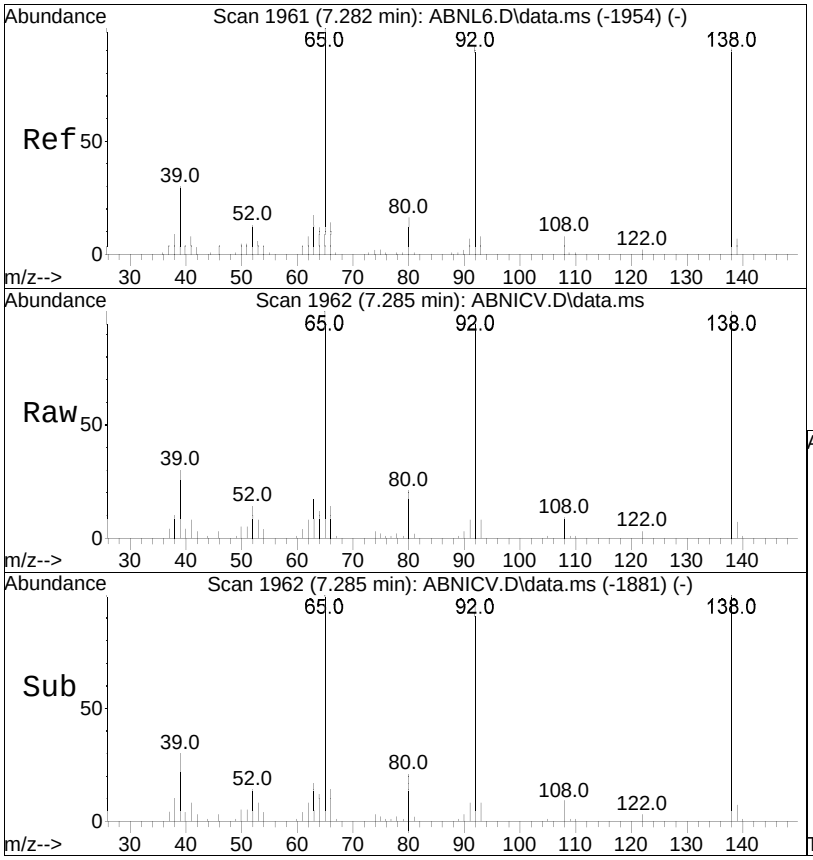


#54
1,2-Dinitrobenzene
Concen: 5.01 ug/ml
RT: 7.170 min Scan# 1925
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:168 Resp: 11853

Ion	Ratio	Lower	Upper
168	100		
75	113.8	30.9	46.3#

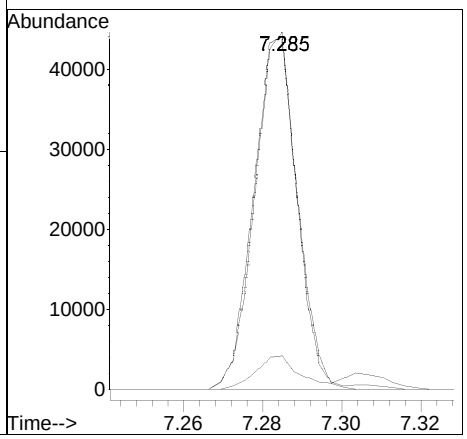


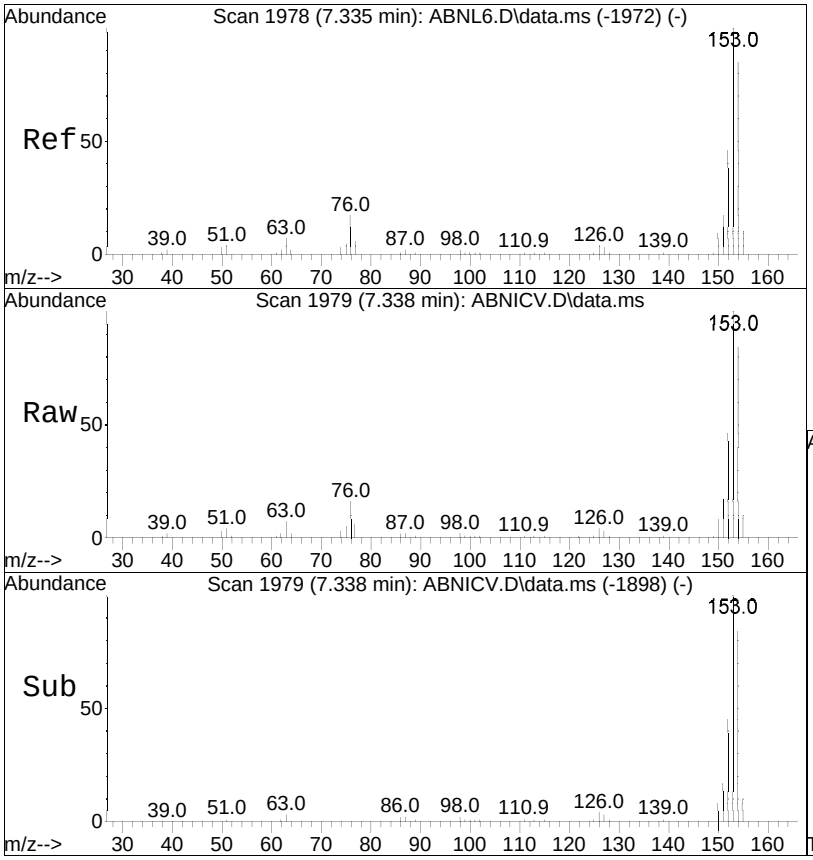


#64
3-Nitroaniline
Concen: 4.85 ug/ml
RT: 7.285 min Scan# 1962
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:138 Resp: 32931

Ion	Ratio	Lower	Upper
138	100		
92	101.6	93.4	140.2
108	9.9	9.5	14.3

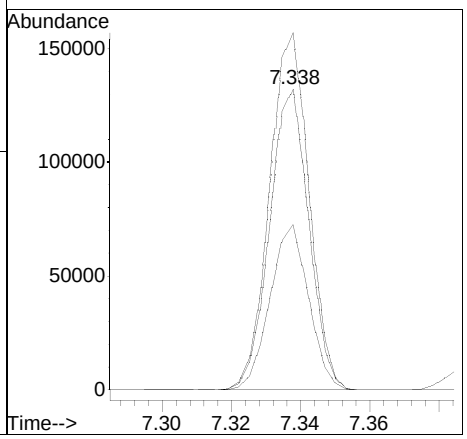


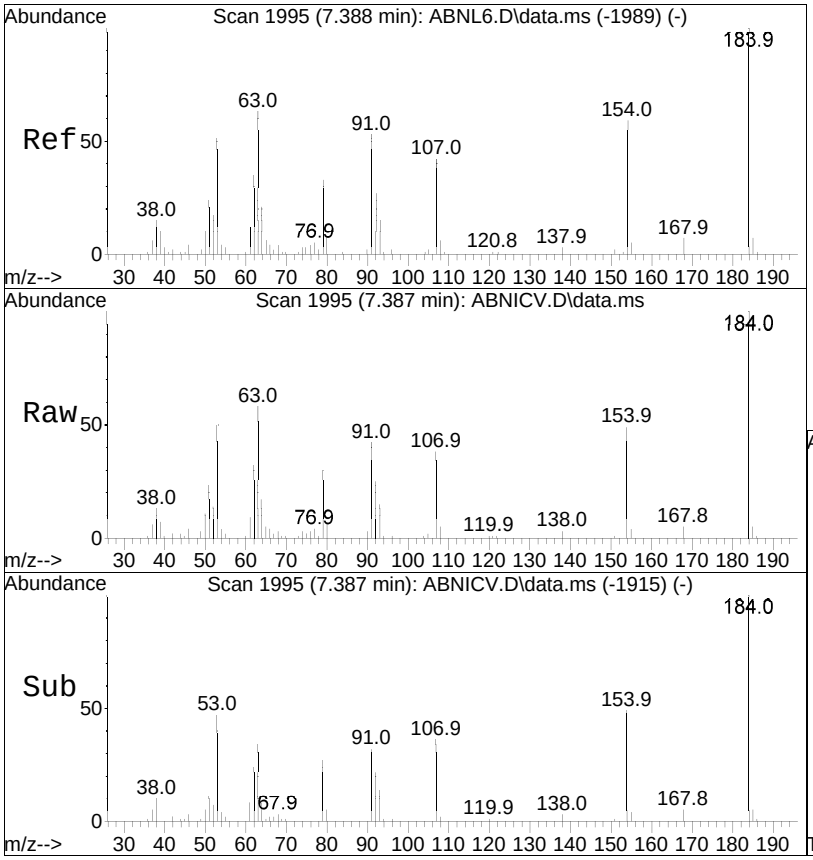


#65
Acenaphthene
Concen: 4.59 ug/ml
RT: 7.338 min Scan# 1979
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:154 Resp: 103552

Ion	Ratio	Lower	Upper
154	100		
153	119.6	85.3	127.9
152	54.3	41.4	62.0

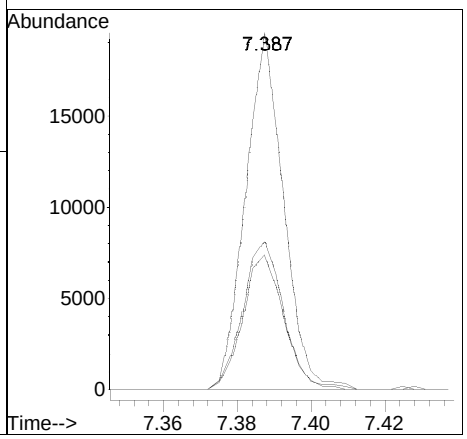


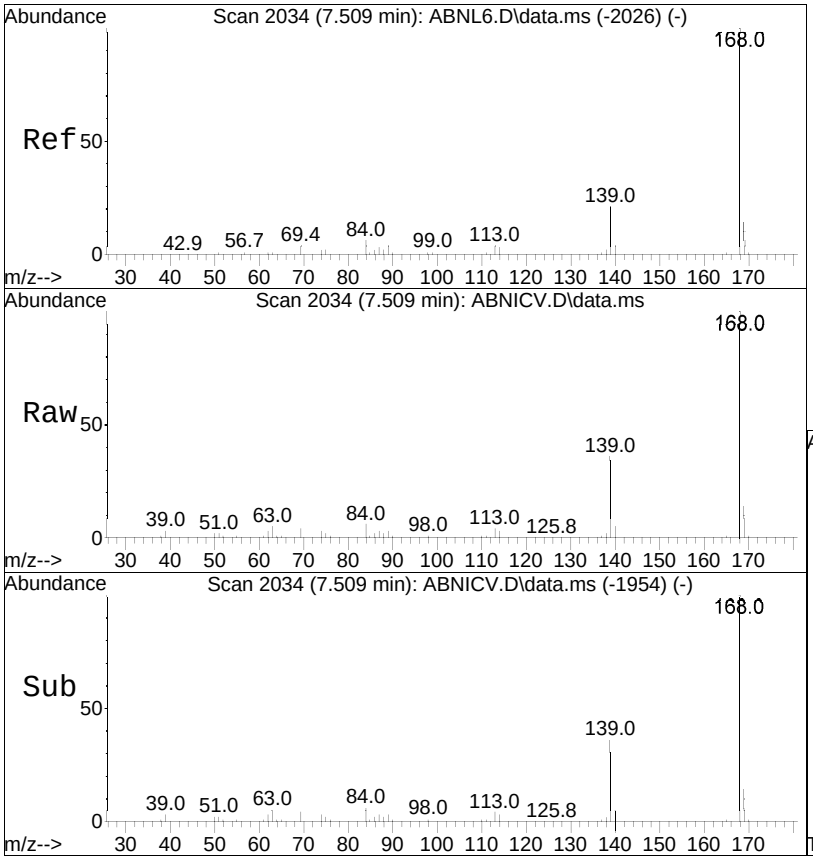


#66
2,4-Dinitrophenol
Concen: 4.22 ug/ml
RT: 7.387 min Scan# 1995
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:184 Resp: 13885

Ion	Ratio	Lower	Upper
184	100		
107	40.8	37.7	56.5
91	45.1	46.3	69.5#

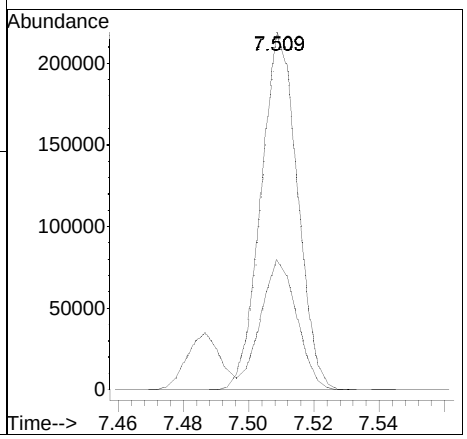


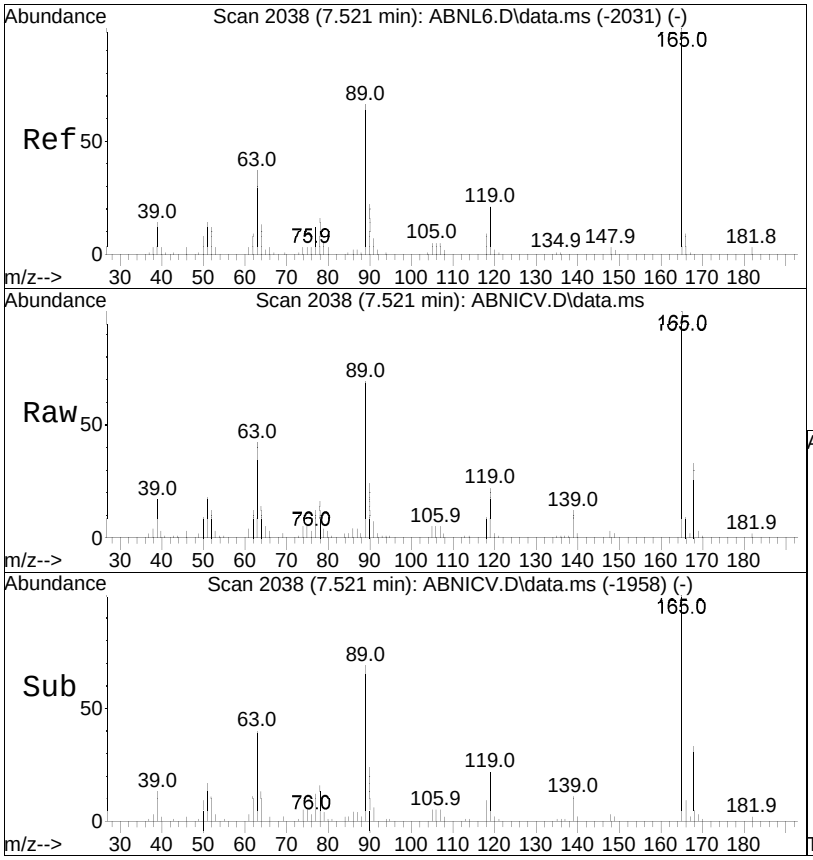


#67
Dibenzofuran
Concen: 4.61 ug/ml
RT: 7.509 min Scan# 2034
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:168 Resp: 168817

Ion	Ratio	Lower	Upper
168	100		
139	36.2	31.4	47.2

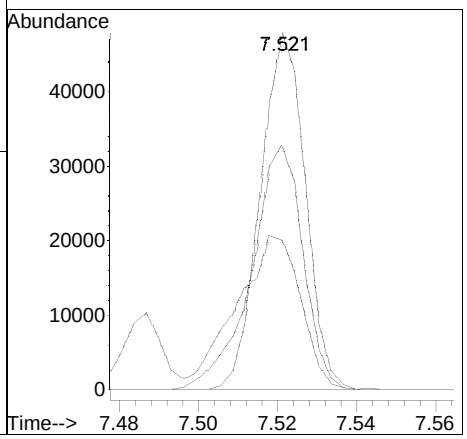


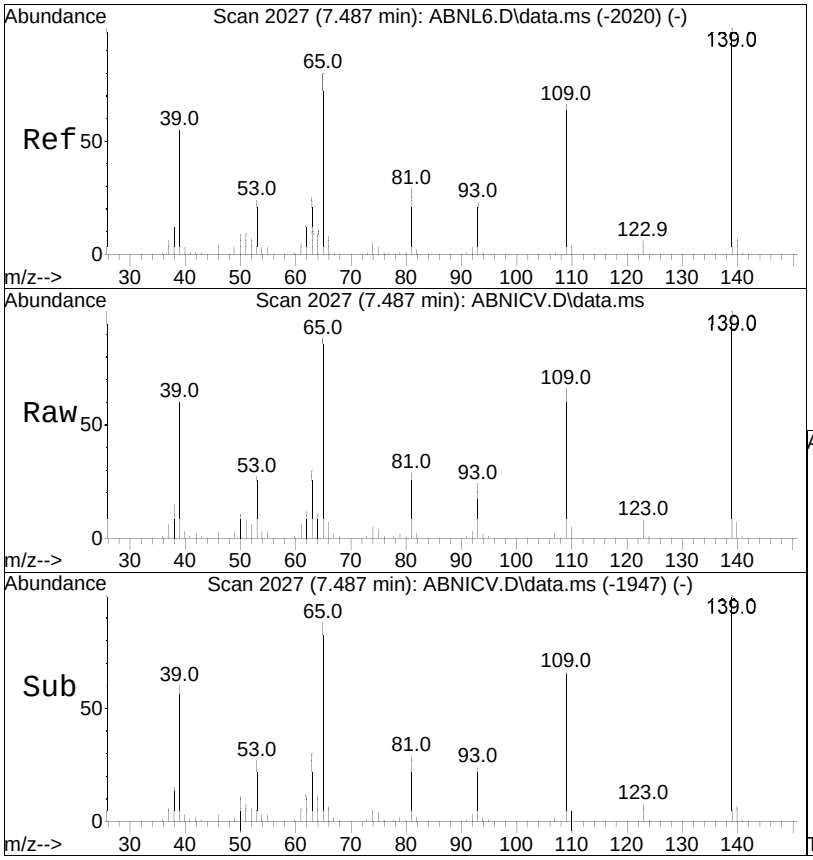


#68
2,4-Dinitrotoluene
Concen: 4.92 ug/ml
RT: 7.521 min Scan# 2038
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:165 Resp: 37575

Ion	Ratio	Lower	Upper
165	100		
89	78.9	72.0	108.0
63	61.7	52.7	79.1

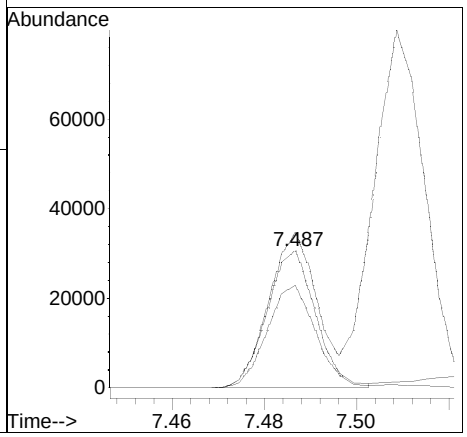


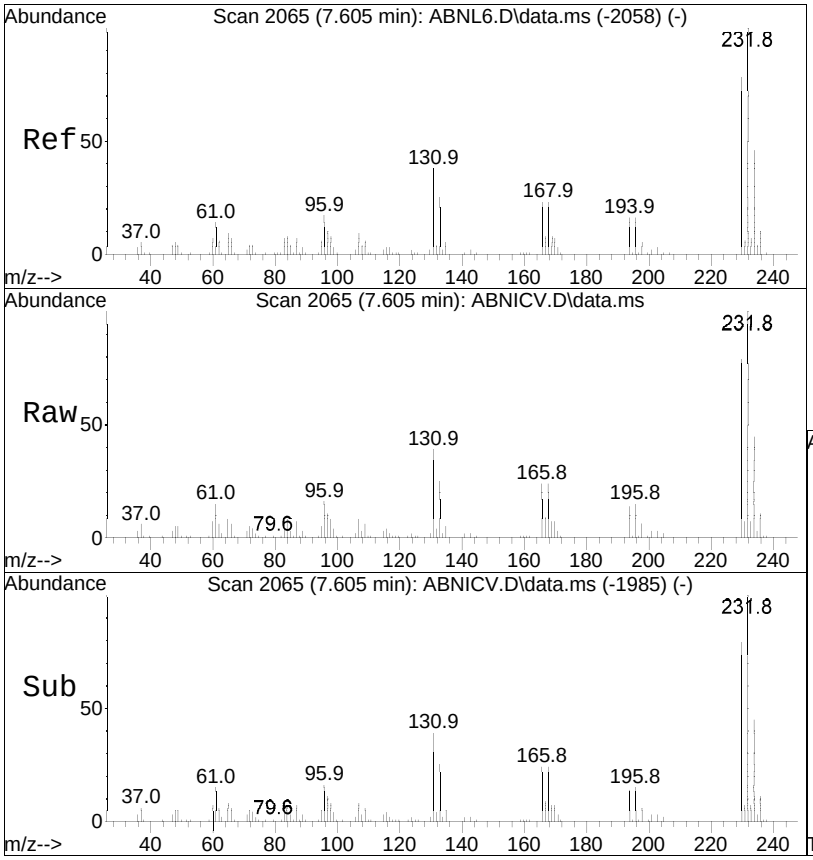


#69
4-Nitrophenol
Concen: 4.76 ug/ml
RT: 7.487 min Scan# 2027
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion: 65 Resp: 22550

Ion	Ratio	Lower	Upper
65	100		
109	77.6	47.4	71.2#
139	113.8	76.6	115.0

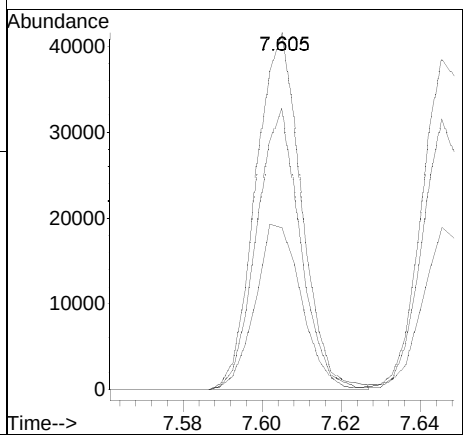


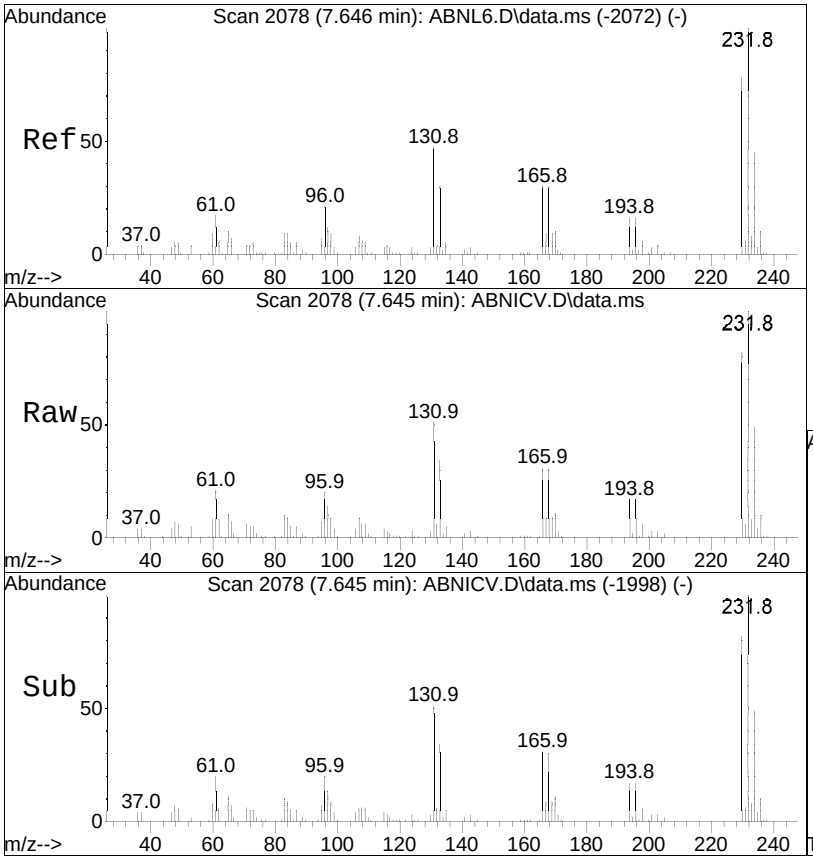


#70
2,3,5,6-Tetrachlorophenol
Concen: 4.94 ug/ml
RT: 7.605 min Scan# 2065
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:232 Resp: 33383

Ion	Ratio	Lower	Upper
232	100		
230	75.4	64.2	96.4
234	47.2	38.1	57.1

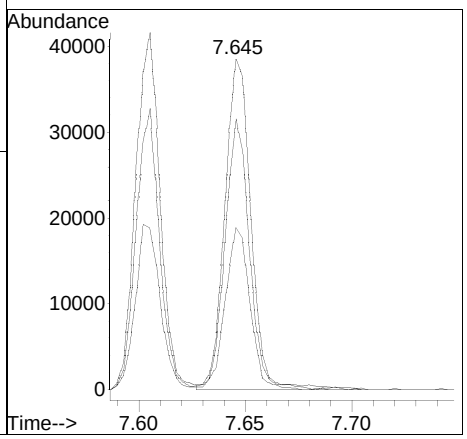


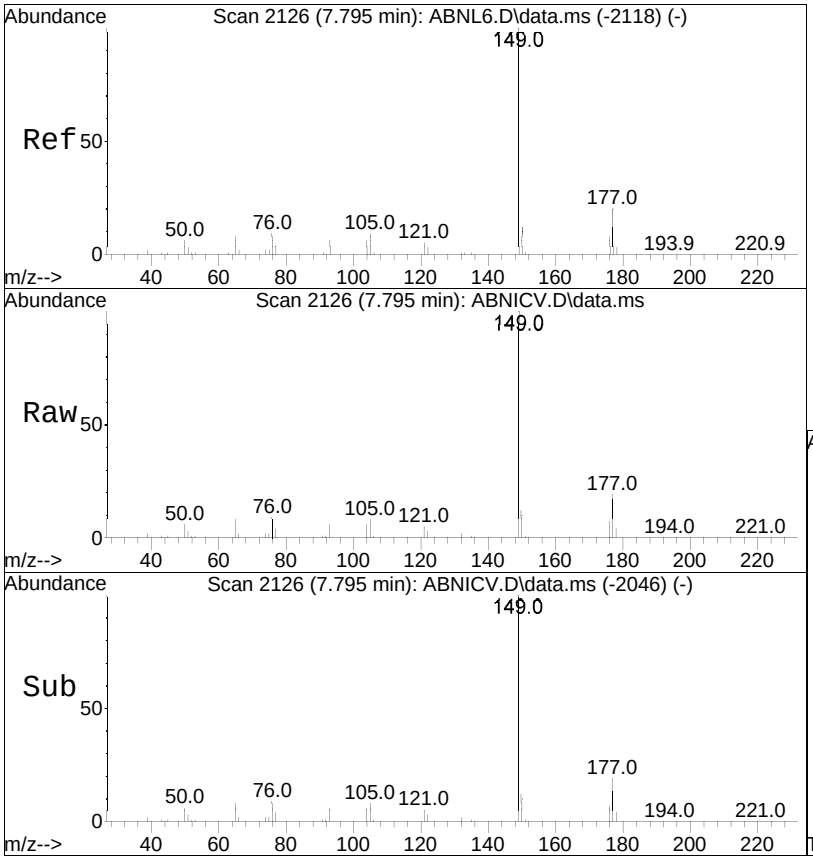


#71
2,3,4,6-Tetrachlorophenol
Concen: 5.03 ug/ml
RT: 7.645 min Scan# 2078
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:232 Resp: 32978

Ion	Ratio	Lower	Upper
232	100		
230	76.5	61.8	92.8
234	46.8	36.2	54.2

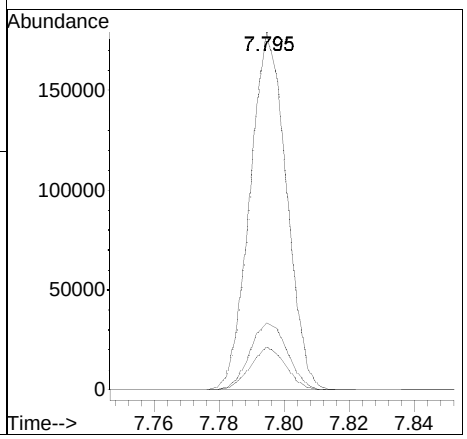


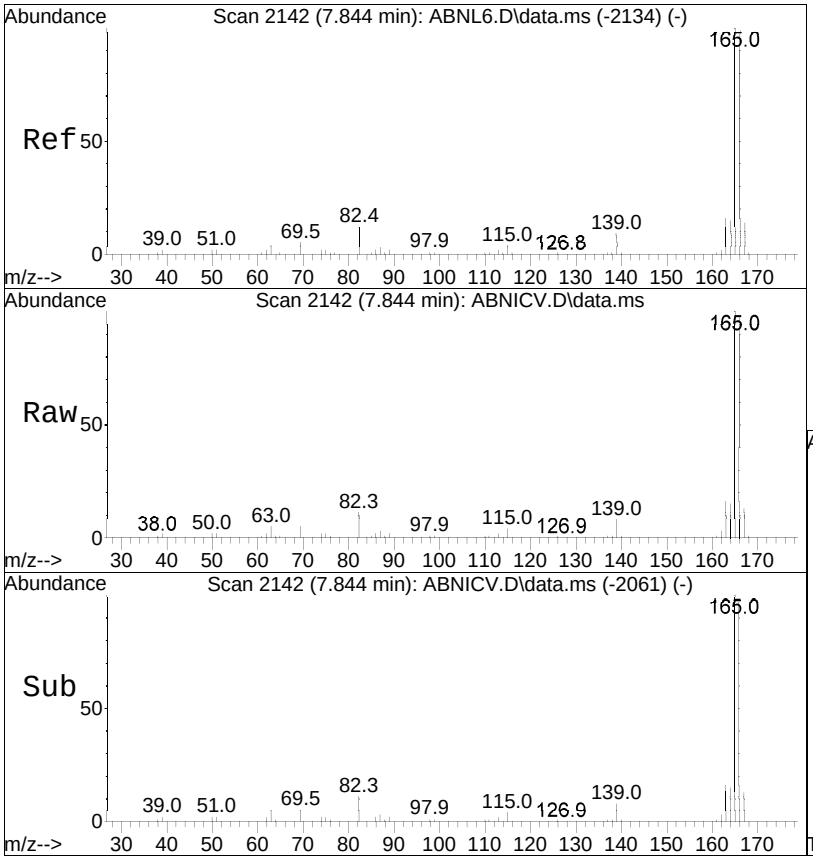


#72
Diethyl phthalate
Concen: 4.57 ug/ml
RT: 7.795 min Scan# 2126
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:149 Resp: 137837

Ion	Ratio	Lower	Upper
149	100		
177	19.4	16.1	24.1
150	11.8	9.4	14.2

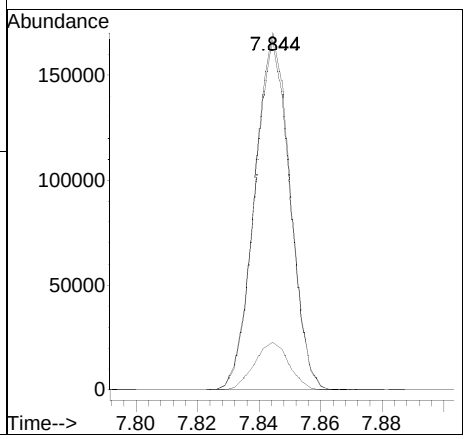


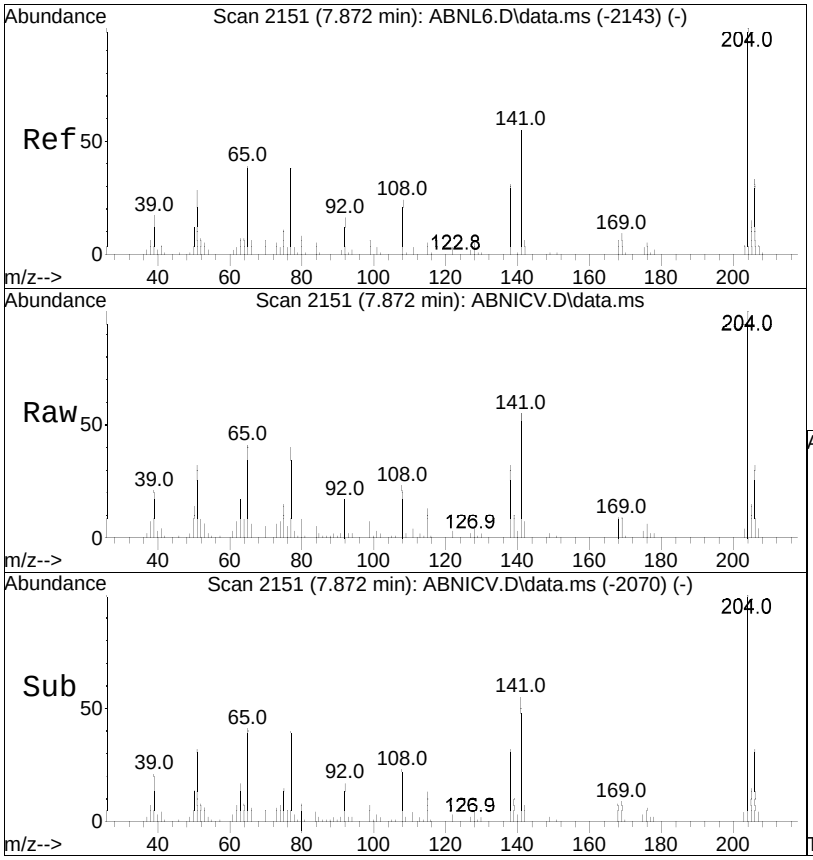


#73
Fluorene
Concen: 4.57 ug/ml
RT: 7.844 min Scan# 2142
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:166 Resp: 131518

Ion	Ratio	Lower	Upper
166	100		
165	103.2	76.2	114.2
167	13.6	10.6	15.8

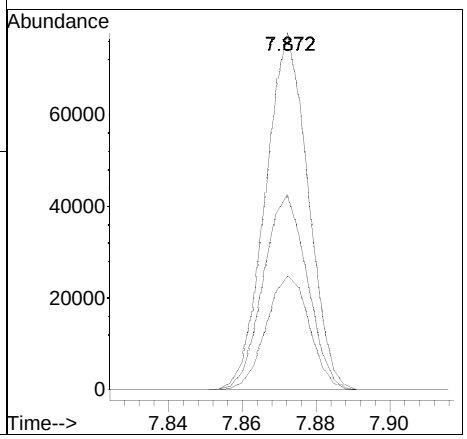


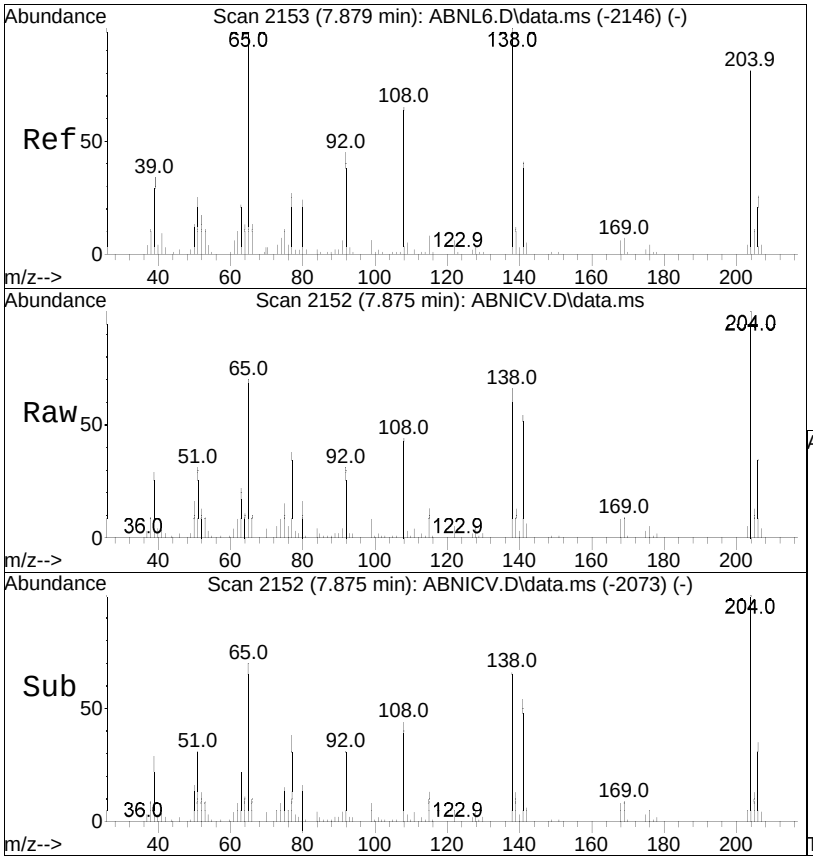


#74
4-Chlorophenyl phenyl ether
Concen: 4.54 ug/ml
RT: 7.872 min Scan# 2151
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:204 Resp: 62071

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.8	38.6
141	56.5	53.6	80.4

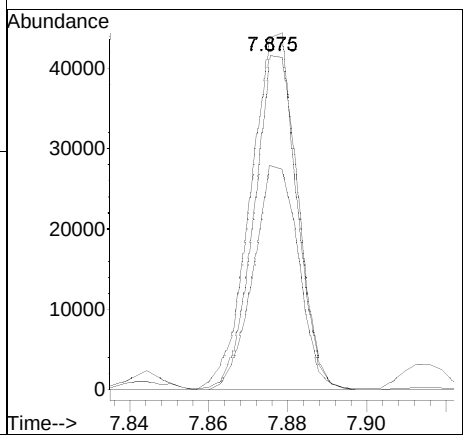


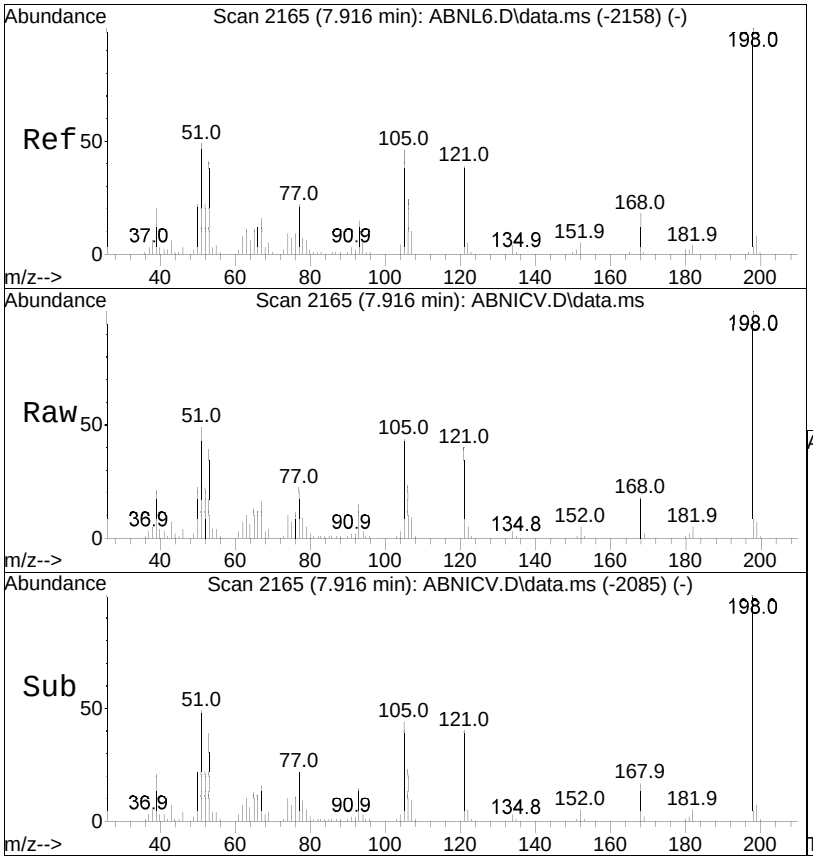


#75
4-Nitroaniline
Concen: 4.82 ug/ml
RT: 7.875 min Scan# 2152
Delta R.T. -0.004 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:138 Resp: 32255

Ion	Ratio	Lower	Upper
138	100		
108	68.5	52.1	78.1
65	110.8	115.0	172.6#

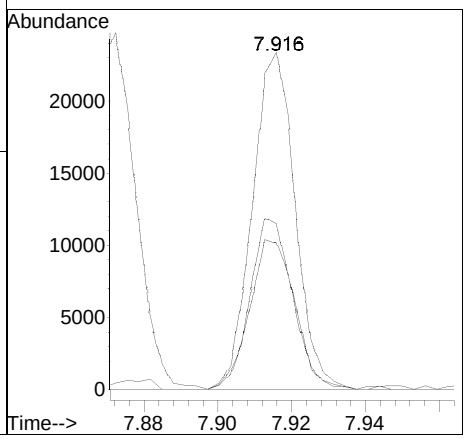


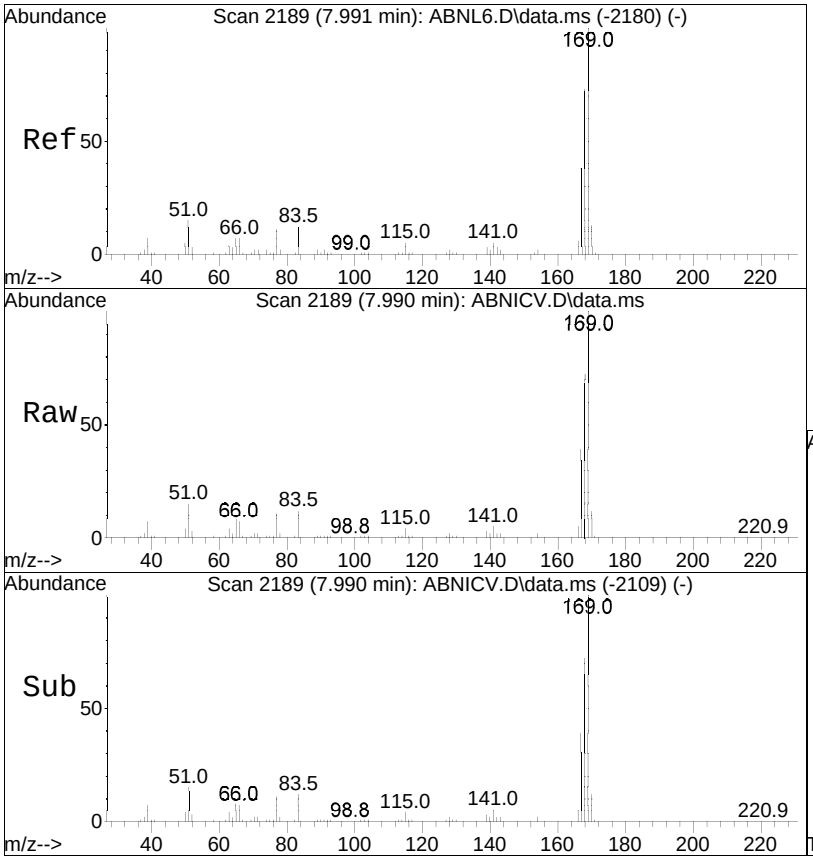


#76
4,6-Dinitro-o-cresol
Concen: 4.43 ug/ml
RT: 7.916 min Scan# 2165
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:198 Resp: 18815

Ion	Ratio	Lower	Upper
198	100		
51	51.3	76.0	114.0#
105	46.6	45.6	68.4

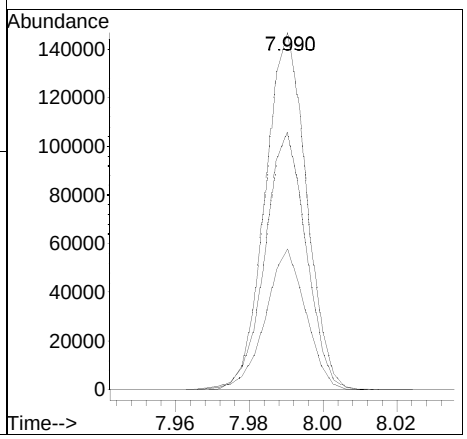


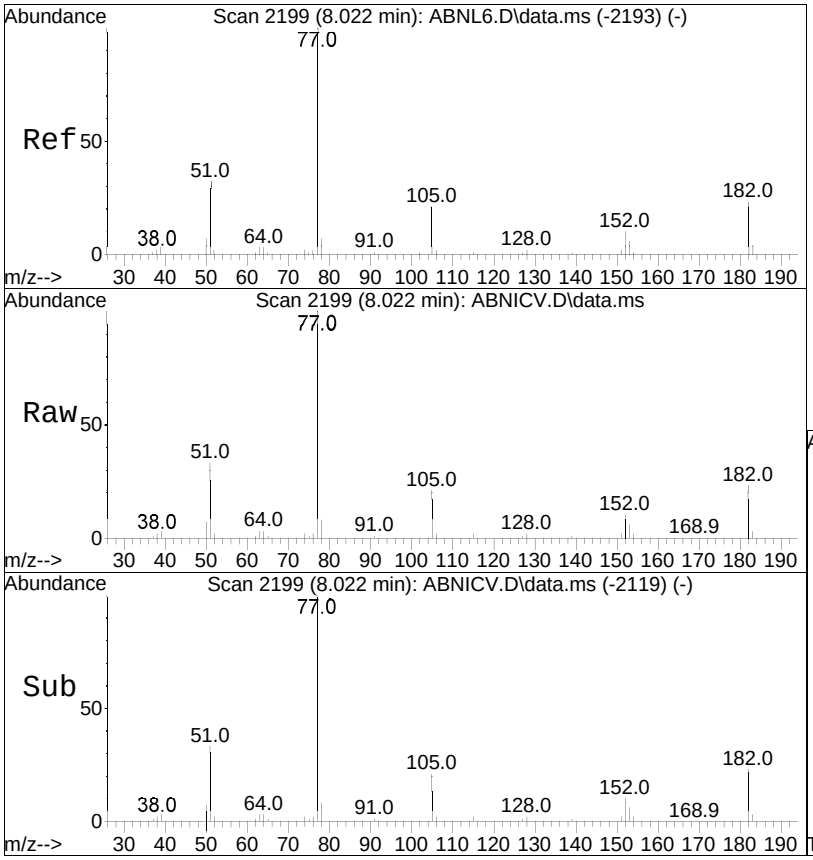


#77
NDPA/DPA
Concen: 4.73 ug/ml
RT: 7.990 min Scan# 2189
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:169 Resp: 113782

Ion	Ratio	Lower	Upper
169	100		
168	72.4	54.0	81.0
167	38.9	28.6	42.8

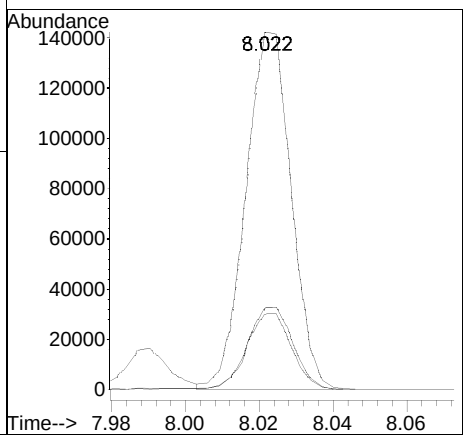


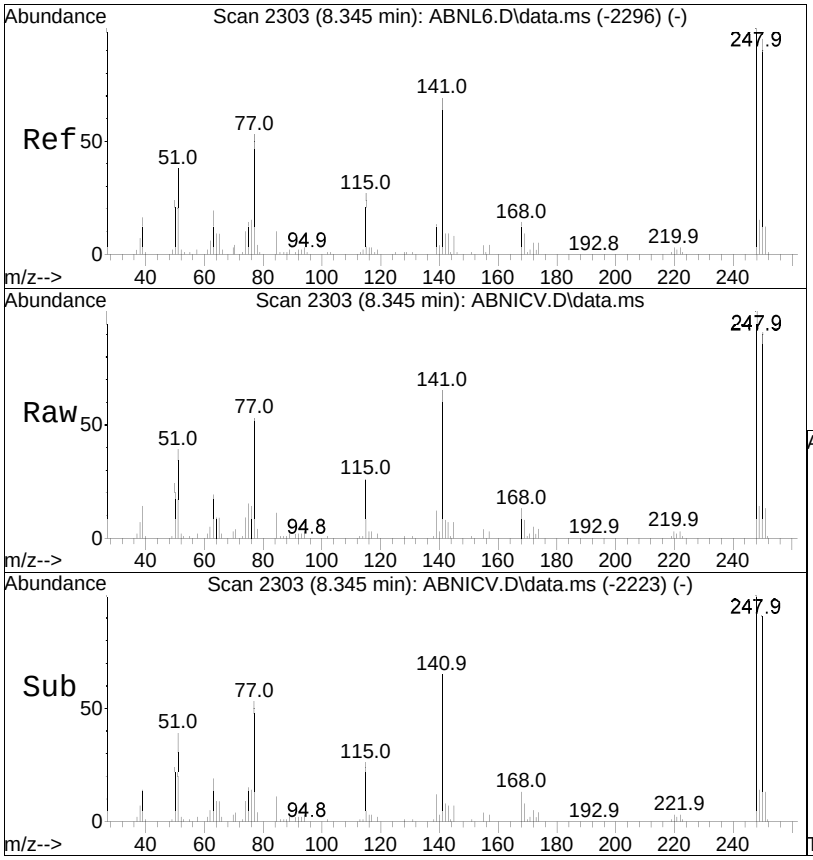


#78
Azobenzene
Concen: 4.78 ug/ml
RT: 8.022 min Scan# 2199
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion: 77 Resp: 120724

Ion	Ratio	Lower	Upper
77	100		
182	23.1	17.4	26.2
105	21.4	15.4	23.2

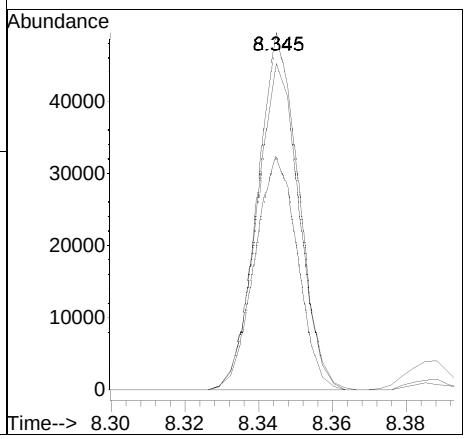


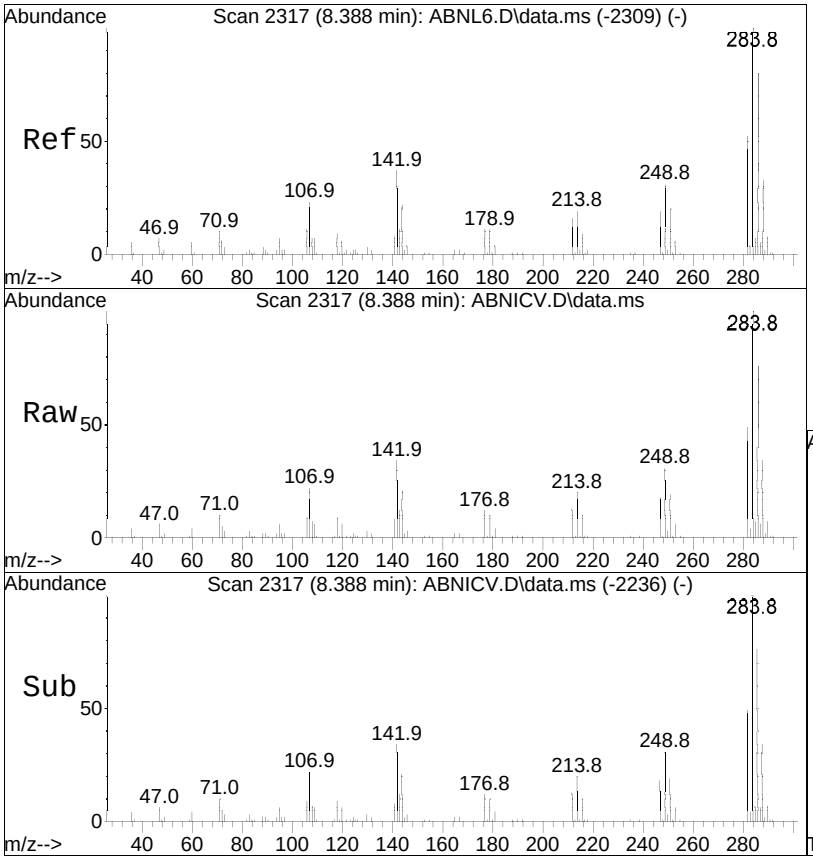


#80
4-Bromophenyl phenyl ether
Concen: 4.52 ug/ml
RT: 8.345 min Scan# 2303
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:248 Resp: 38130

Ion	Ratio	Lower	Upper
248	100		
141	67.9	76.6	114.8#
250	93.3	77.3	115.9

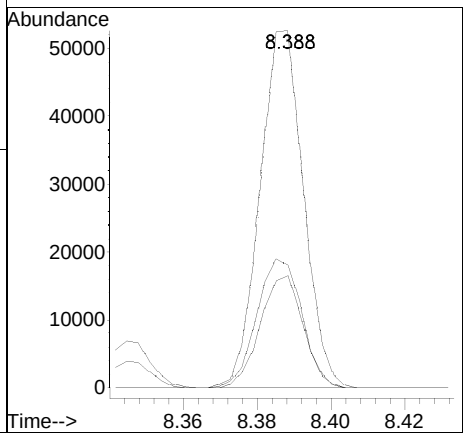


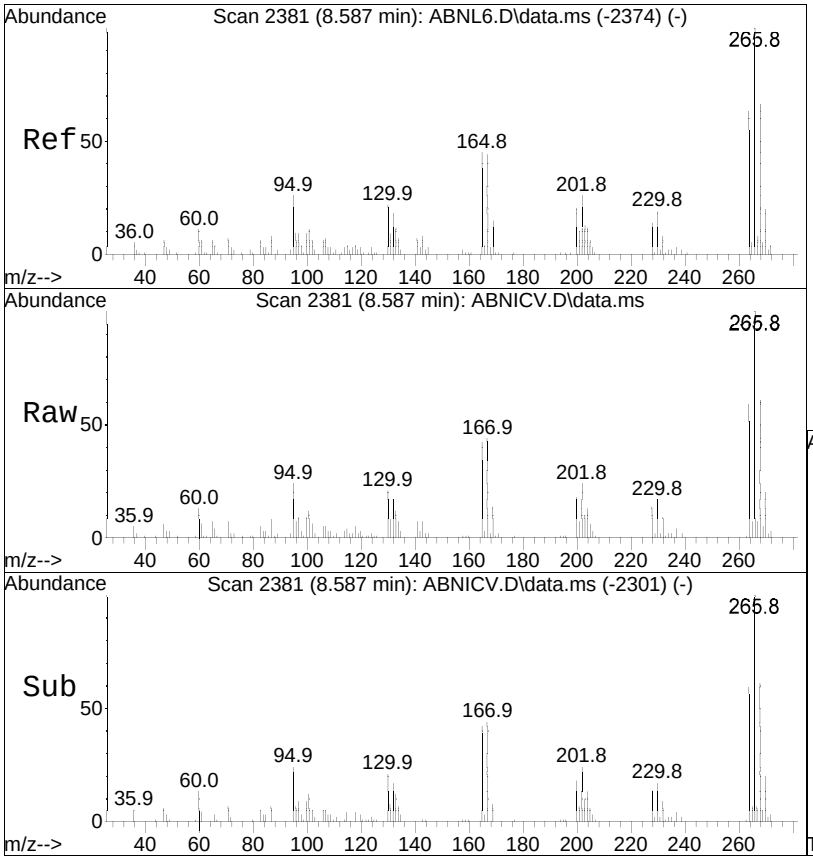


#81
Hexachlorobenzene
Concen: 4.55 ug/ml
RT: 8.388 min Scan# 2317
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:284 Resp: 42967

Ion	Ratio	Lower	Upper
284	100		
142	37.4	41.9	62.9#
249	31.2	24.1	36.1

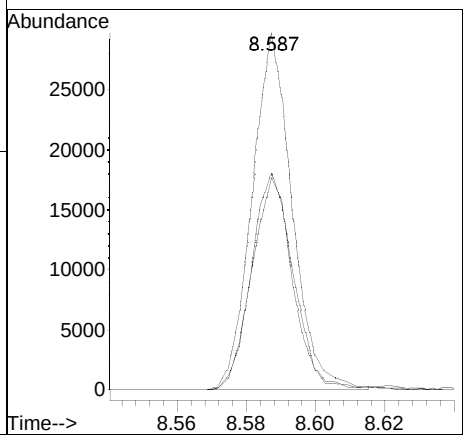


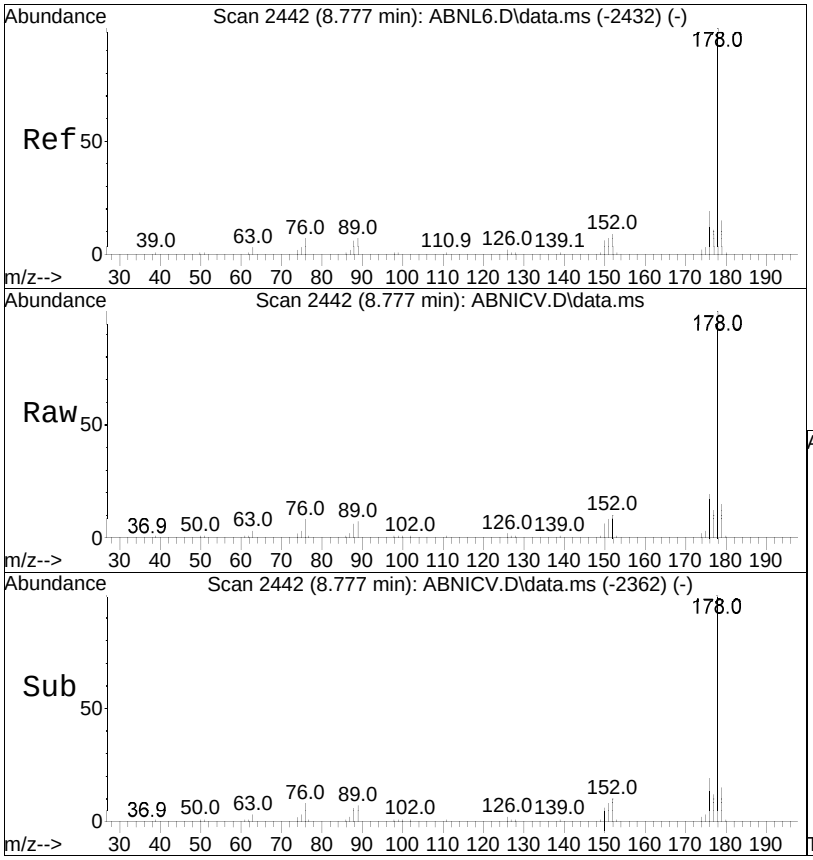


#82
Pentachlorophenol
Concen: 4.30 ug/ml
RT: 8.587 min Scan# 2381
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:266 Resp: 23880

Ion	Ratio	Lower	Upper
266	100		
264	61.4	49.7	74.5
268	64.5	50.5	75.7

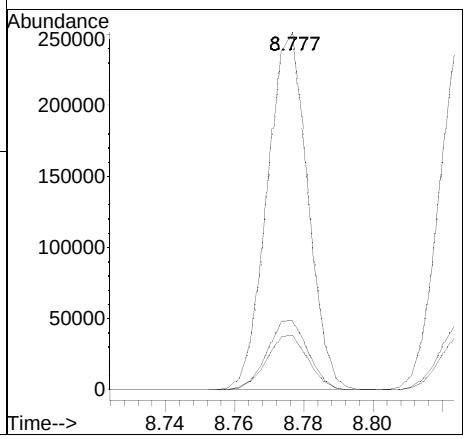


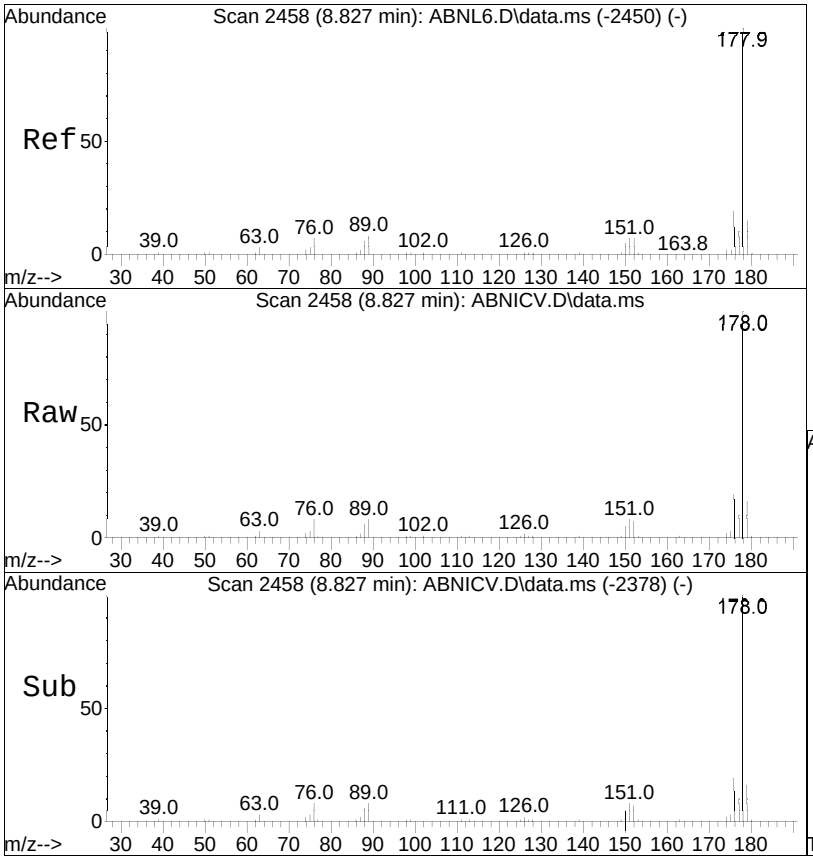


#89
Phenanthrene
Concen: 4.50 ug/ml
RT: 8.777 min Scan# 2442
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:178 Resp: 205009

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.2	18.2
176	19.5	15.4	23.2

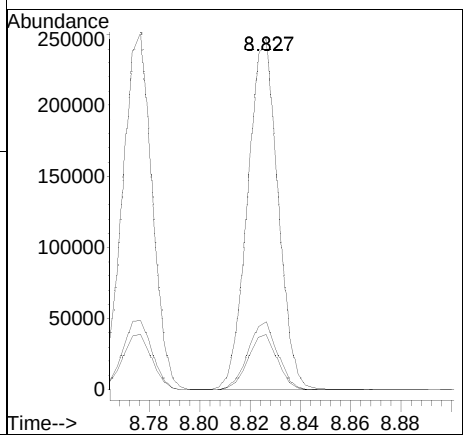


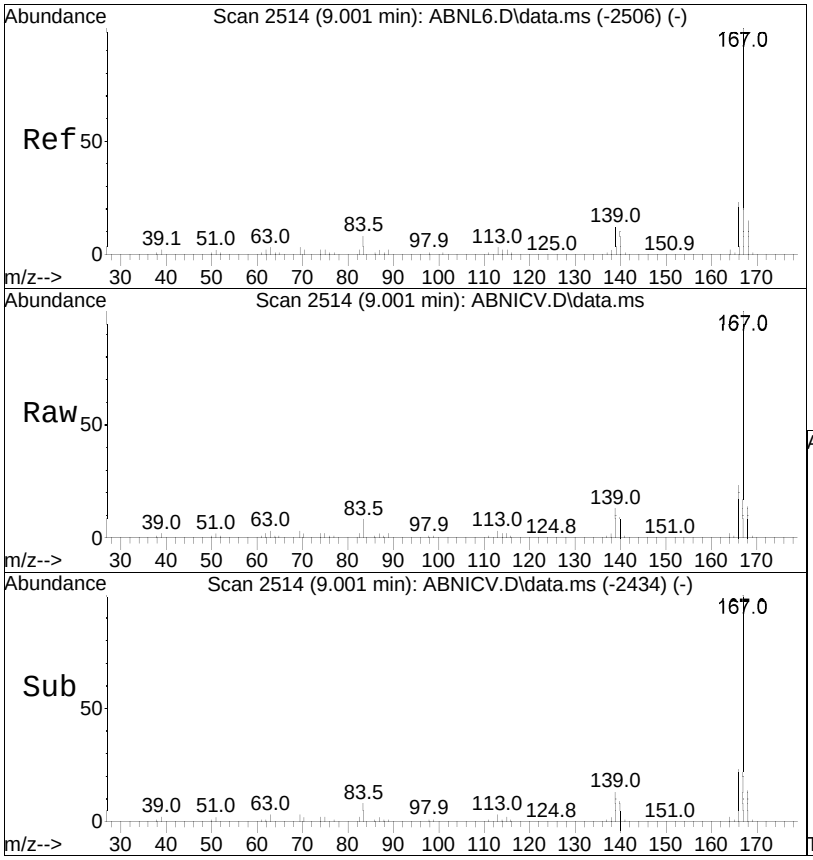


#90
Anthracene
Concen: 4.64 ug/ml
RT: 8.827 min Scan# 2458
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:178 Resp: 207103

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.0	18.0
176	18.9	14.6	22.0

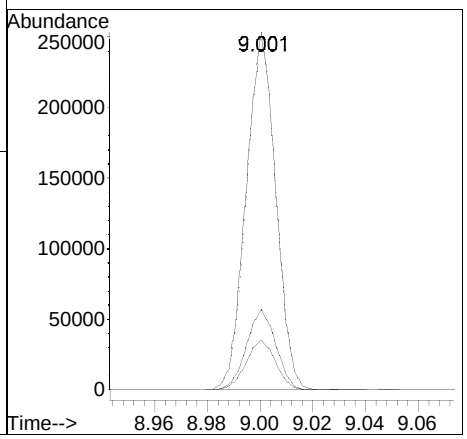


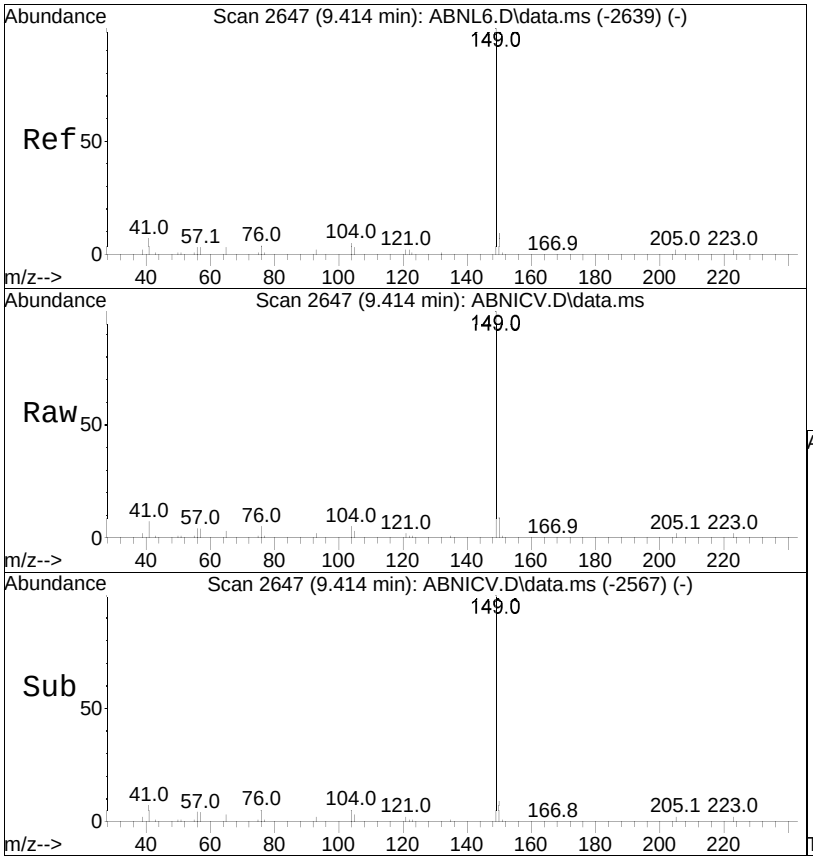


#91
Carbazole
Concen: 4.76 ug/ml
RT: 9.001 min Scan# 2514
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:167 Resp: 195054

Ion	Ratio	Lower	Upper
167	100		
168	14.0	10.6	15.8
166	22.5	17.4	26.0

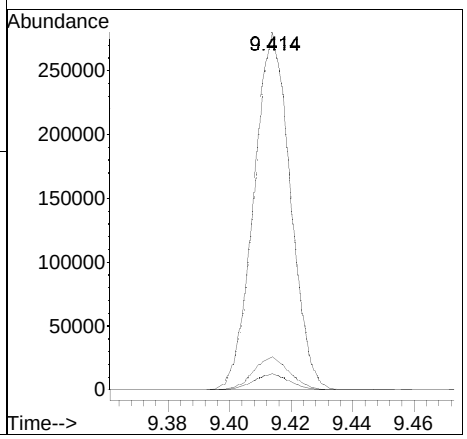


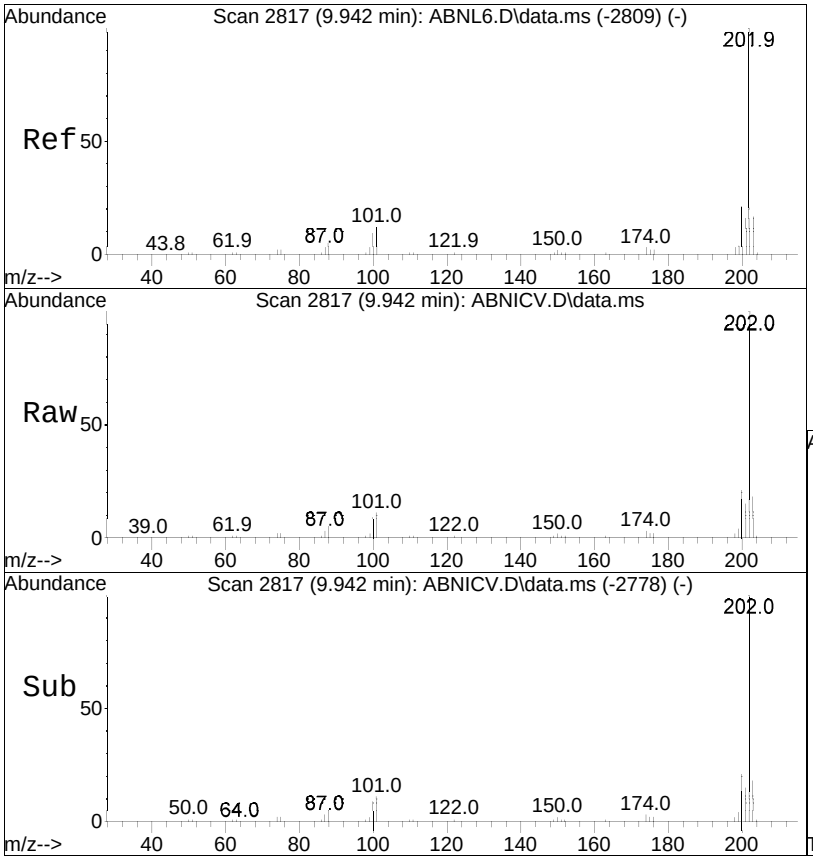


#92
Di-n-butylphthalate
Concen: 4.75 ug/ml
RT: 9.414 min Scan# 2647
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:149 Resp: 228103

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.0	10.6
104	4.5	4.5	6.7

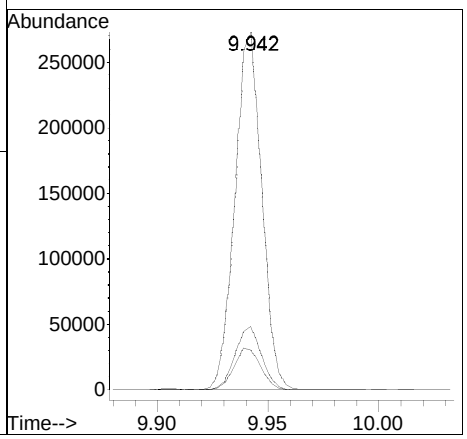


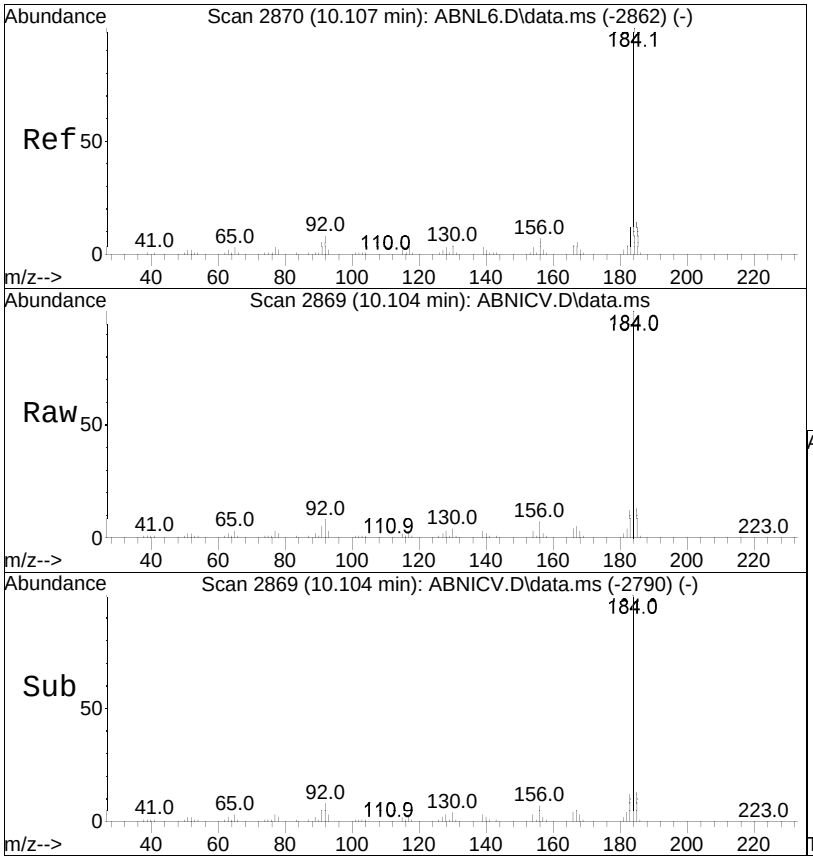


#93
Fluoranthene
Concen: 4.64 ug/ml
RT: 9.942 min Scan# 2817
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:202 Resp: 227666

Ion	Ratio	Lower	Upper
202	100		
101	11.9	13.5	20.3#
203	17.6	13.6	20.4

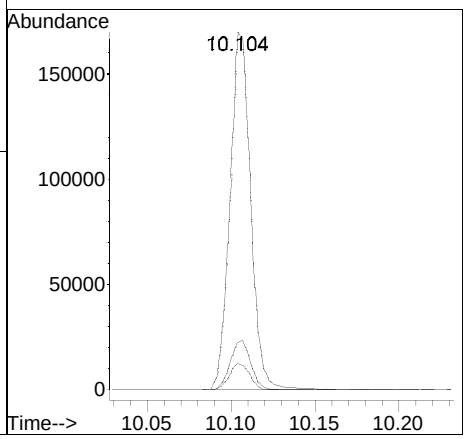


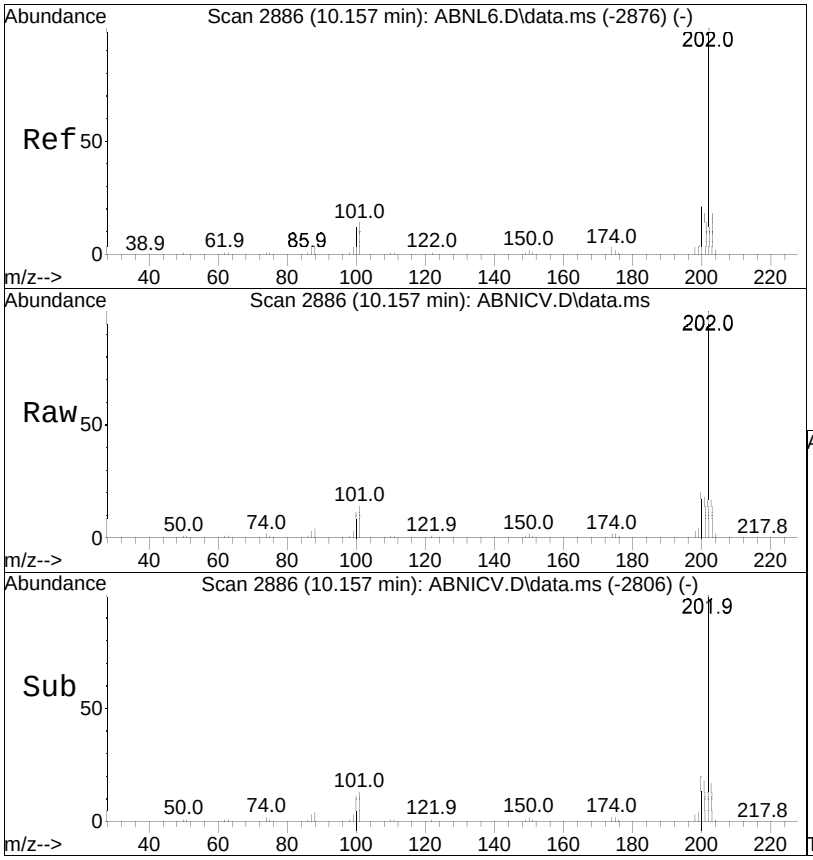


#94
Benzidine
Concen: 4.55 ug/ml
RT: 10.104 min Scan# 2869
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:184 Resp: 143338

Ion	Ratio	Lower	Upper
184	100		
92	7.5	9.1	13.7#
185	14.0	11.1	16.7

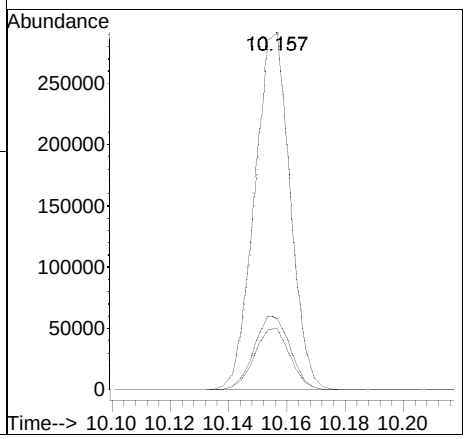


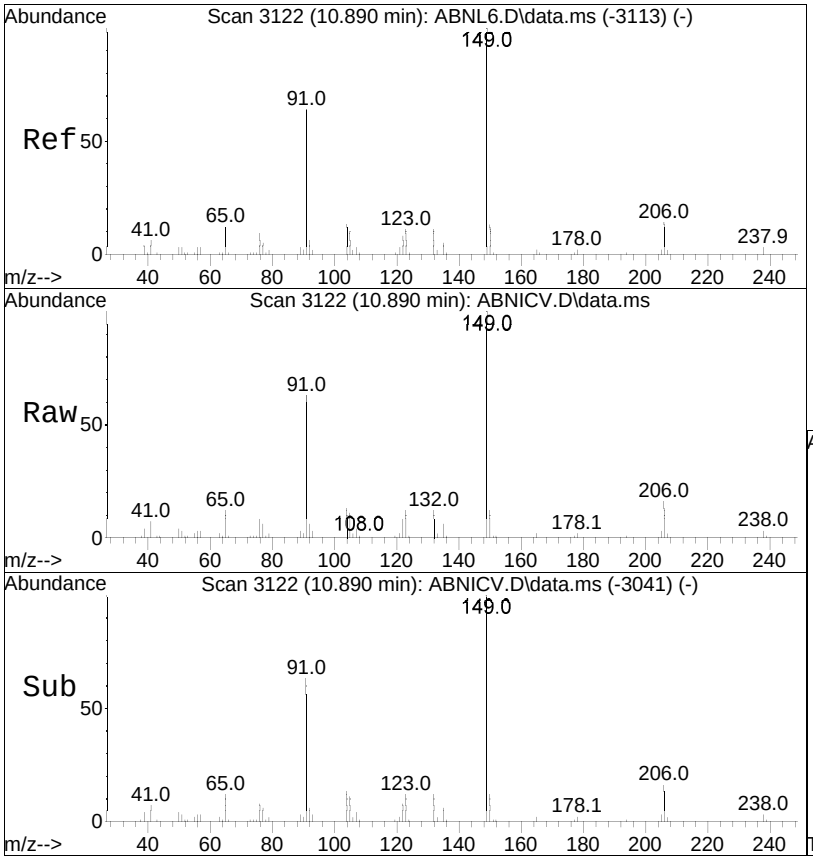


#95
Pyrene
Concen: 4.66 ug/ml
RT: 10.157 min Scan# 2886
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:202 Resp: 243958

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.4	14.2	21.4

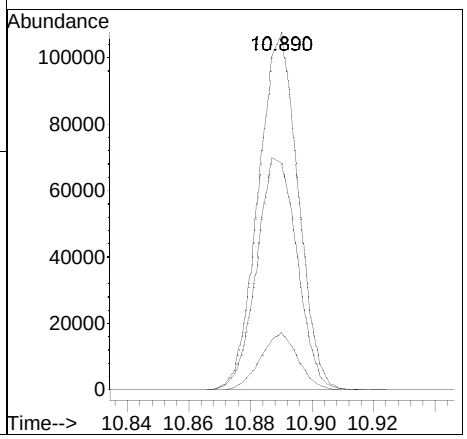


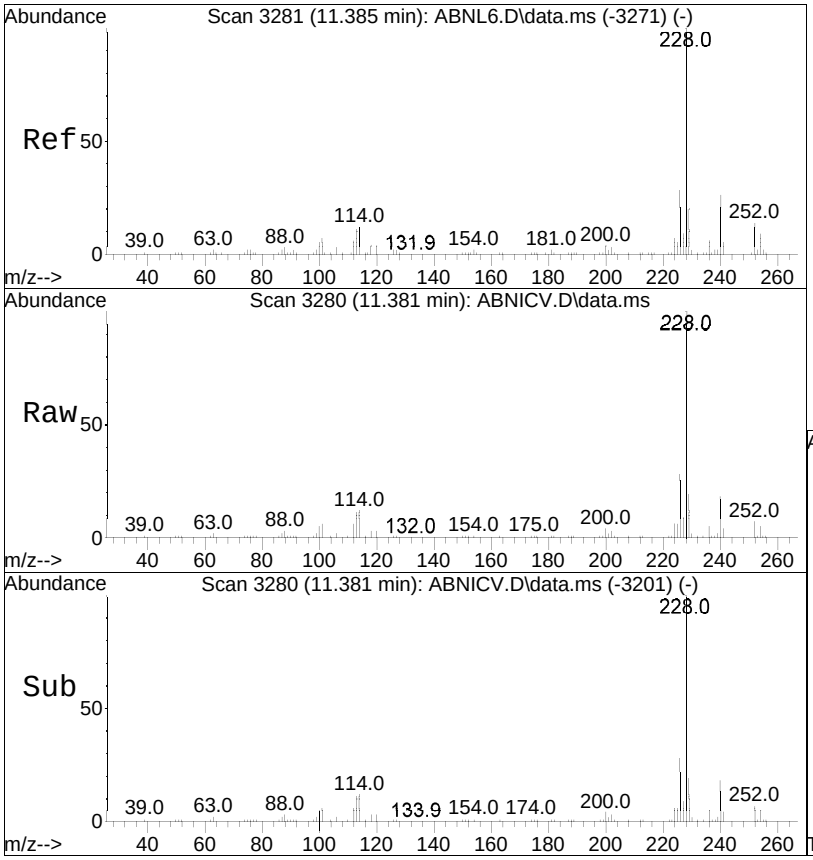


#97
Butyl benzyl phthalate
Concen: 4.76 ug/ml
RT: 10.890 min Scan# 3122
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:149 Resp: 95520

Ion	Ratio	Lower	Upper
149	100		
91	66.4	63.3	94.9
206	15.2	13.9	20.9

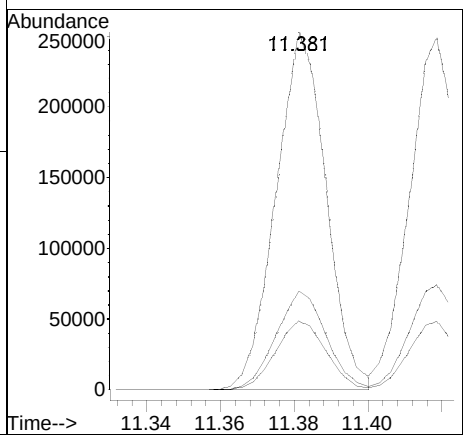


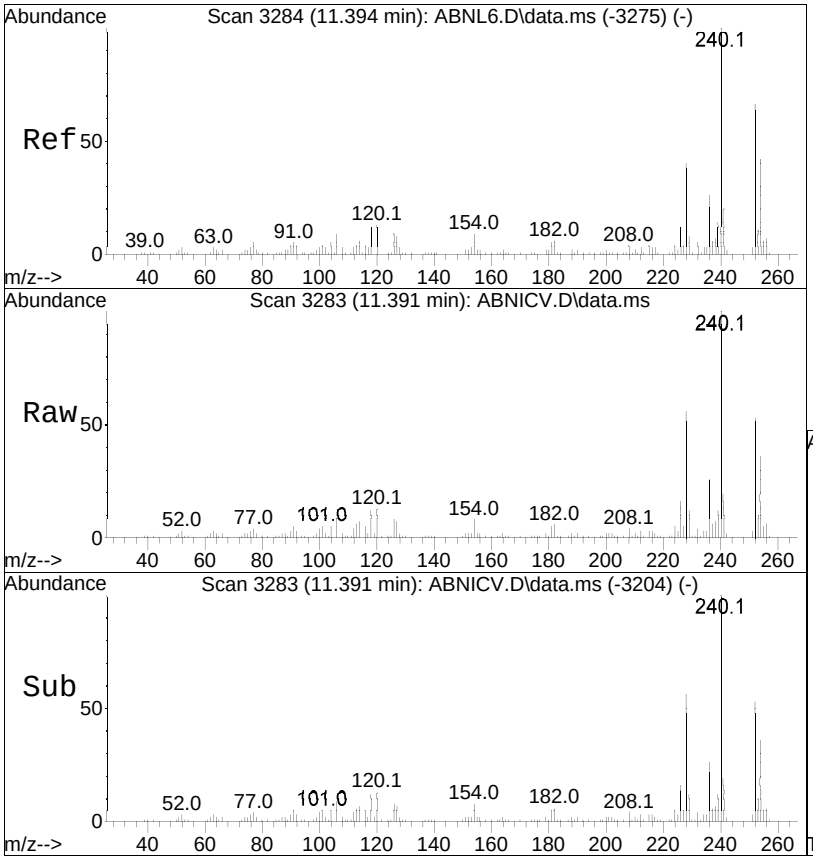


#105
Benzo(a)anthracene
Concen: 4.65 ug/ml
RT: 11.381 min Scan# 3280
Delta R.T. -0.004 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:228 Resp: 238200

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.2	33.4
229	19.6	15.6	23.4

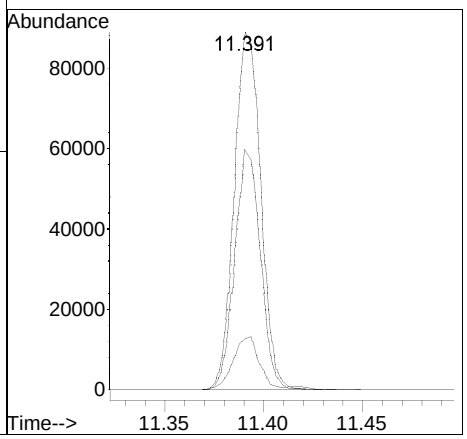


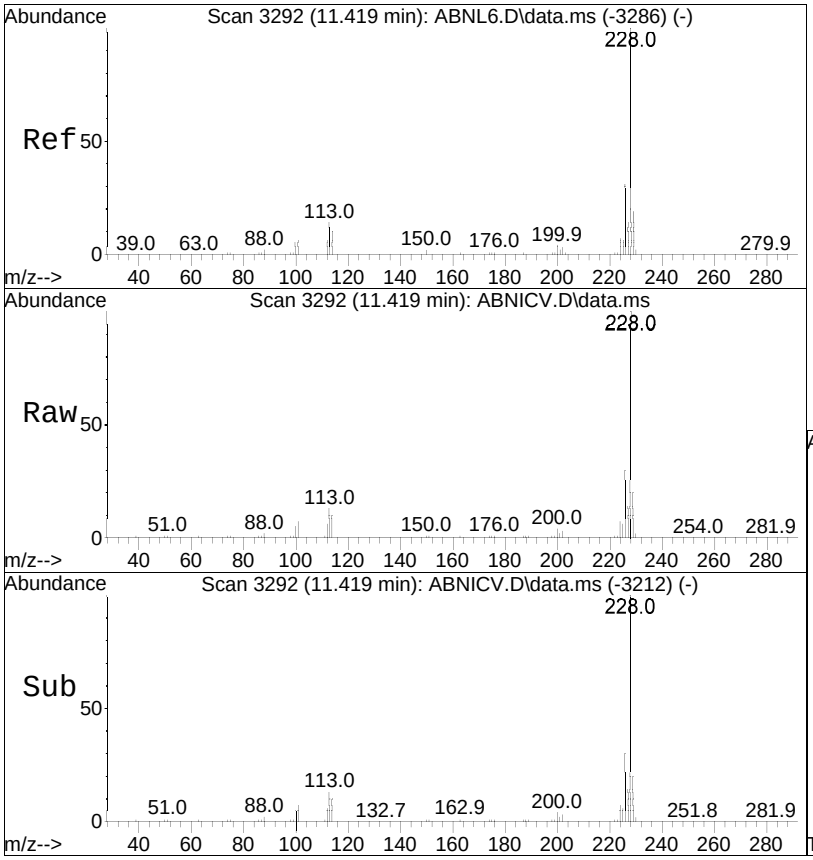


#106
3,3'-Dichlorobenzidine
Concen: 4.71 ug/ml
RT: 11.391 min Scan# 3283
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:252 Resp: 83013

Ion	Ratio	Lower	Upper
252	100		
126	14.9	14.5	21.7
254	64.7	51.2	76.8

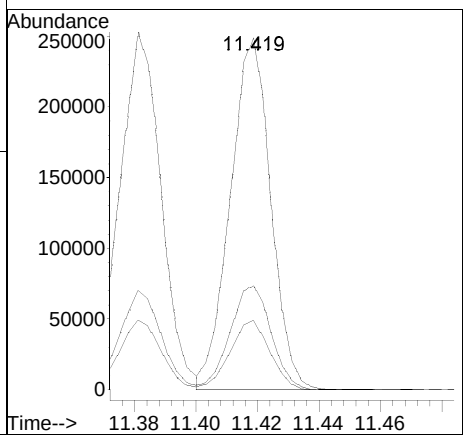


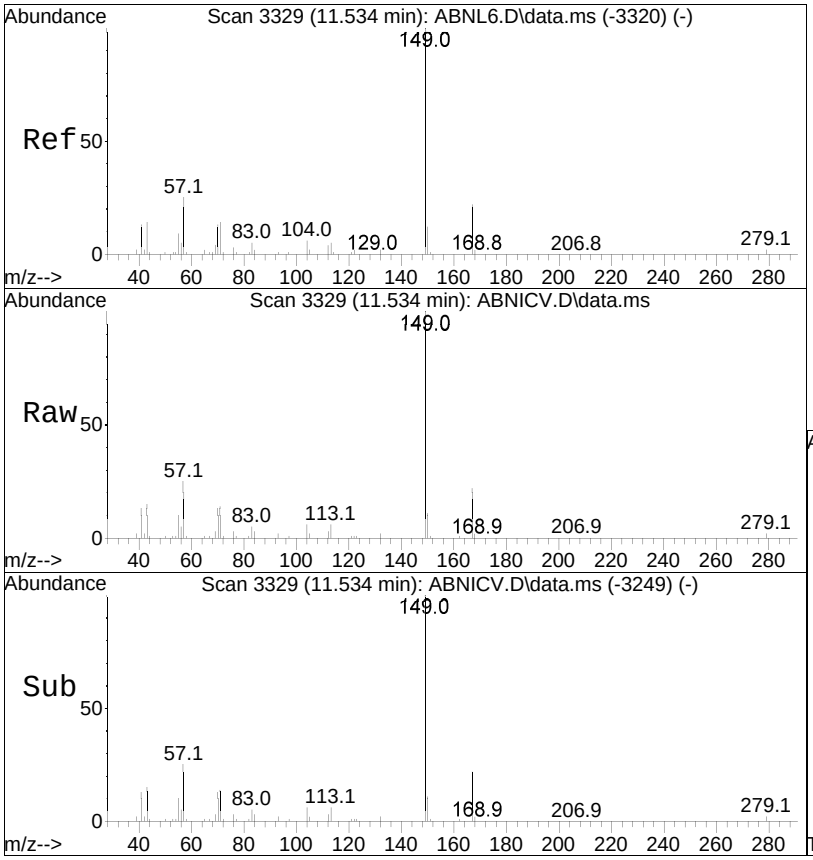


#107
Chrysene
Concen: 4.46 ug/ml
RT: 11.419 min Scan# 3292
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:228 Resp: 226525

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	19.5	15.8	23.8

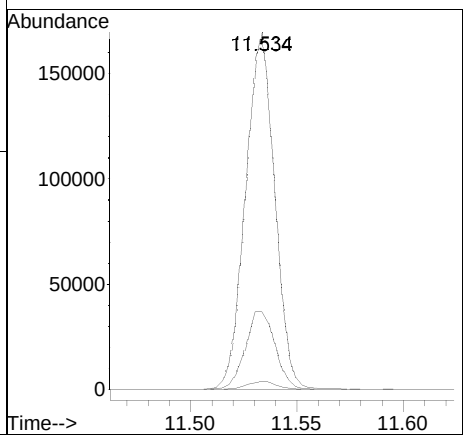


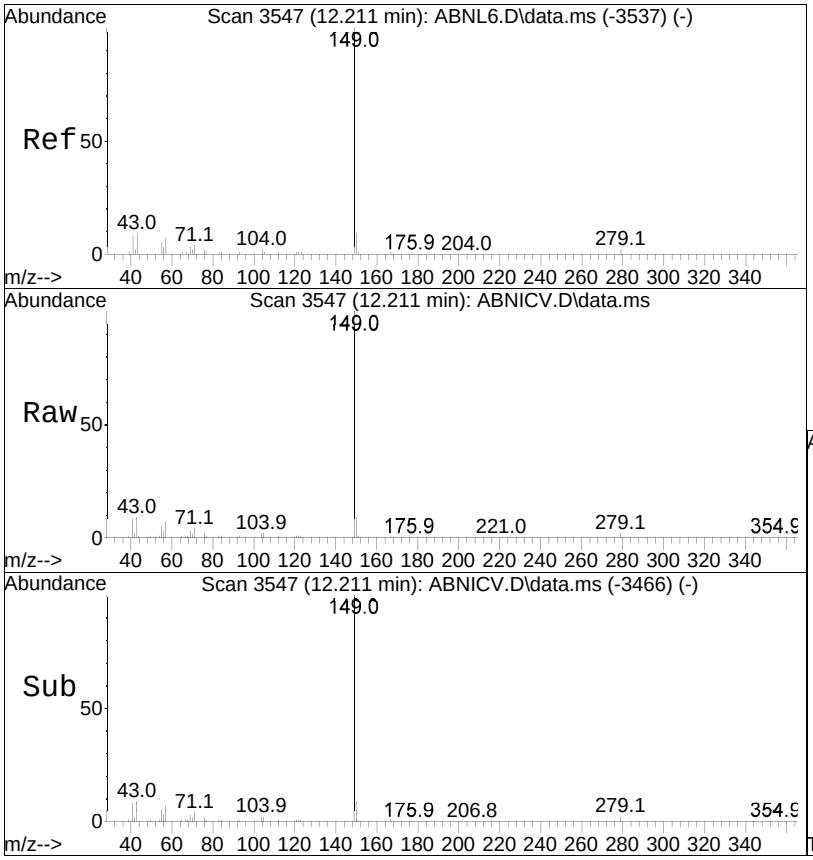


#108
Bis(2-ethylhexyl)phthalate
Concen: 4.95 ug/ml
RT: 11.534 min Scan# 3329
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:149 Resp: 158955

Ion	Ratio	Lower	Upper
149	100		
167	22.6	22.1	33.1
279	2.2	3.0	4.4#

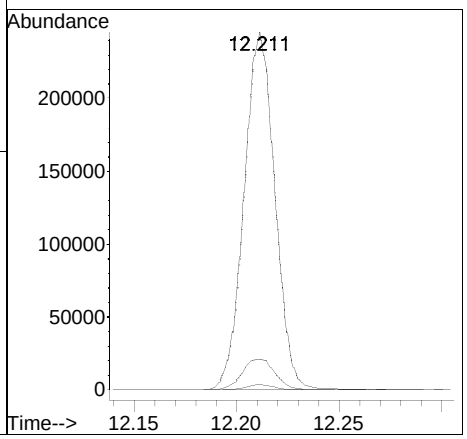


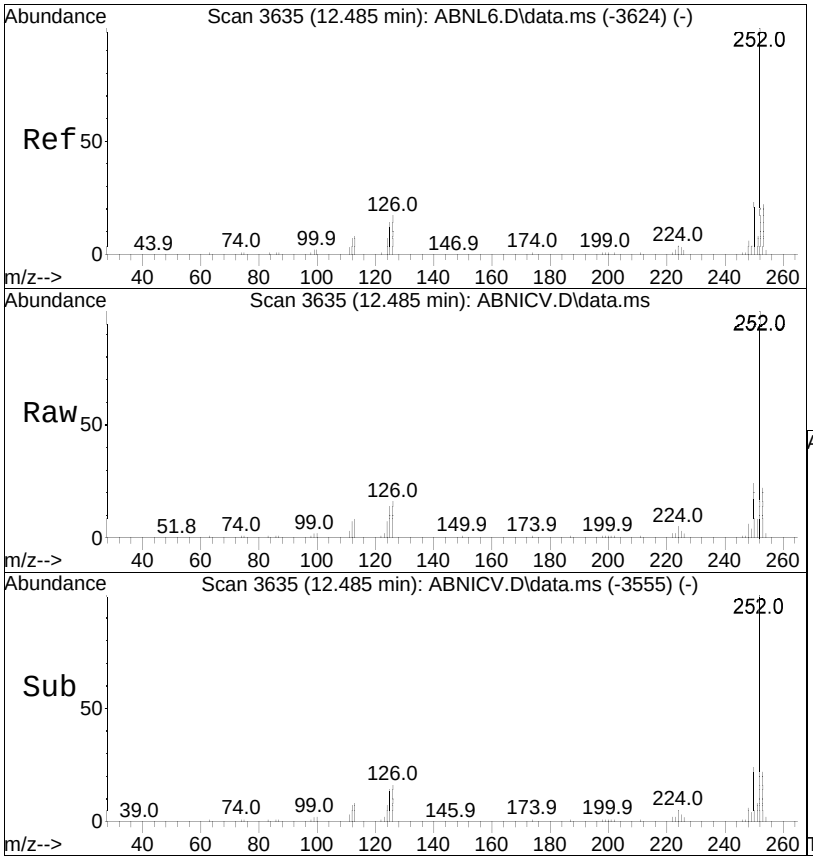


#109
Di-n-octylphthalate
Concen: 4.70 ug/ml
RT: 12.211 min Scan# 3547
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:149 Resp: 253404

Ion	Ratio	Lower	Upper
149	100		
43	9.3	18.8	28.2#
167	1.3	1.3	1.9

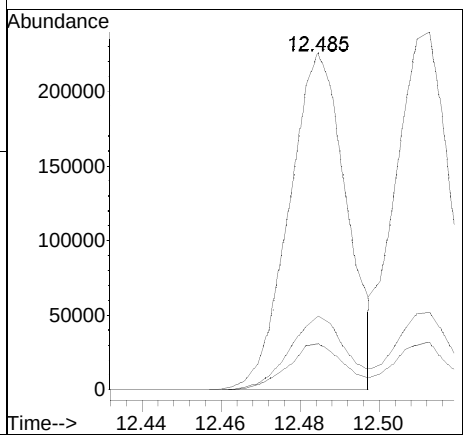


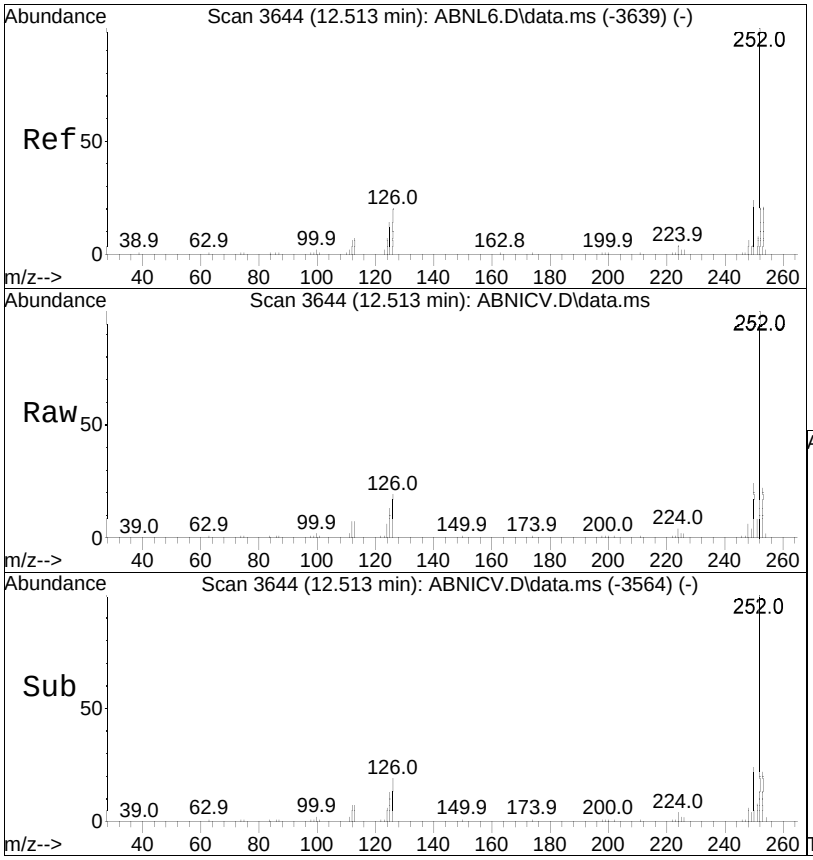


#110
Benzo(b)fluoranthene
Concen: 4.70 ug/ml
RT: 12.485 min Scan# 3635
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:252 Resp: 227992

Ion	Ratio	Lower	Upper
252	100		
125	13.6	13.3	19.9
253	21.6	17.1	25.7

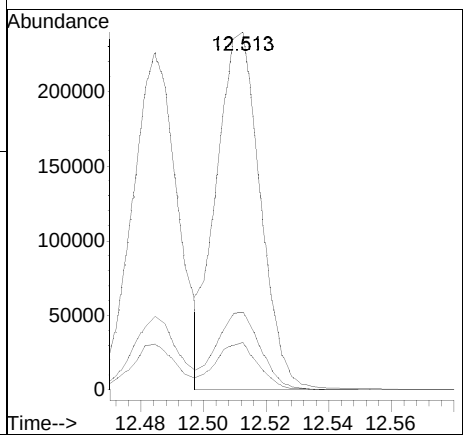


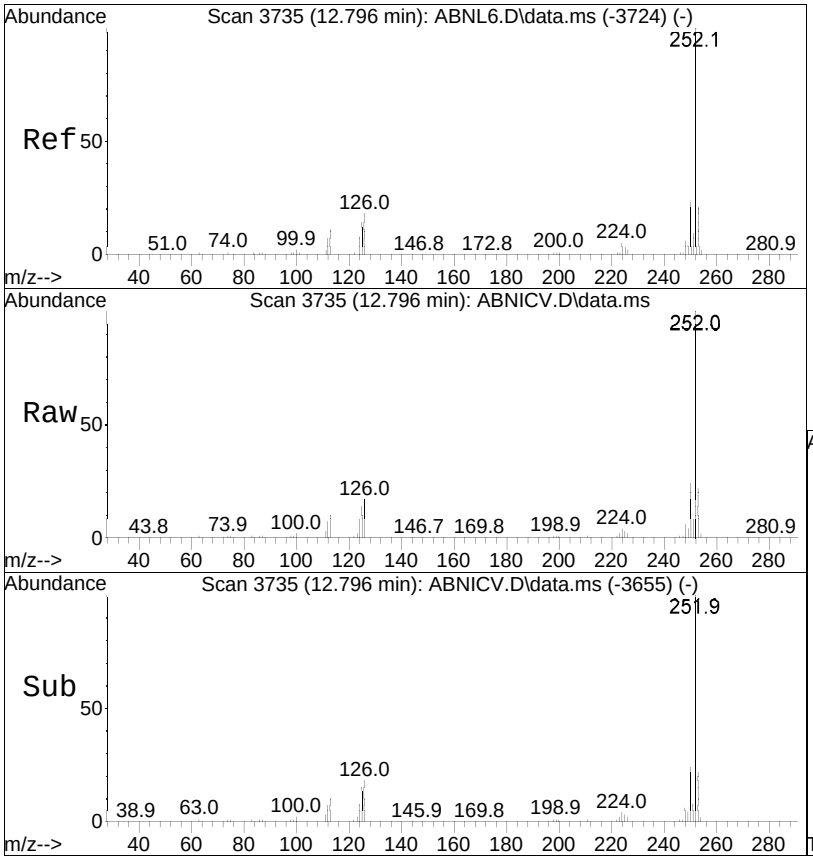


#111
Benzo(k)fluoranthene
Concen: 4.74 ug/ml M3
RT: 12.513 min Scan# 3644
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:252 Resp: 234496

Ion	Ratio	Lower	Upper
252	100		
125	13.3	13.0	19.6
253	21.0	16.8	25.2

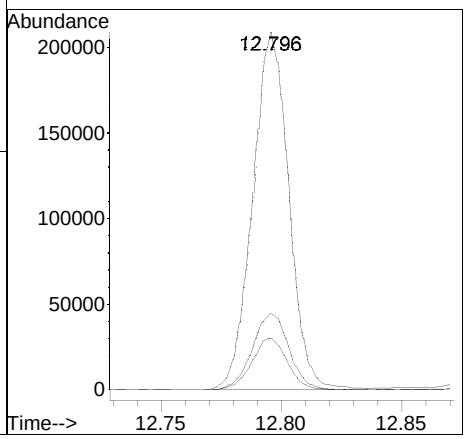


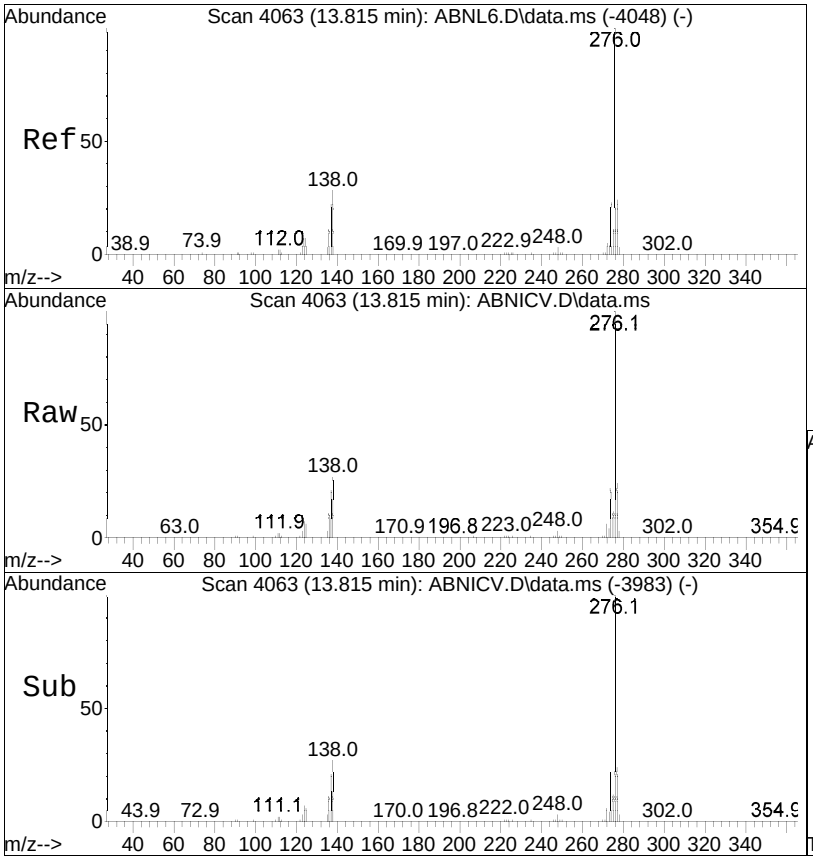


#112
Benzo(a)pyrene
Concen: 4.75 ug/ml
RT: 12.796 min Scan# 3735
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:252 Resp: 215944

Ion	Ratio	Lower	Upper
252	100		
125	14.3	14.2	21.2
253	21.8	16.9	25.3

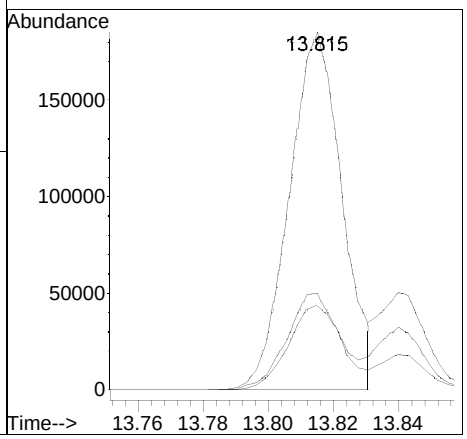


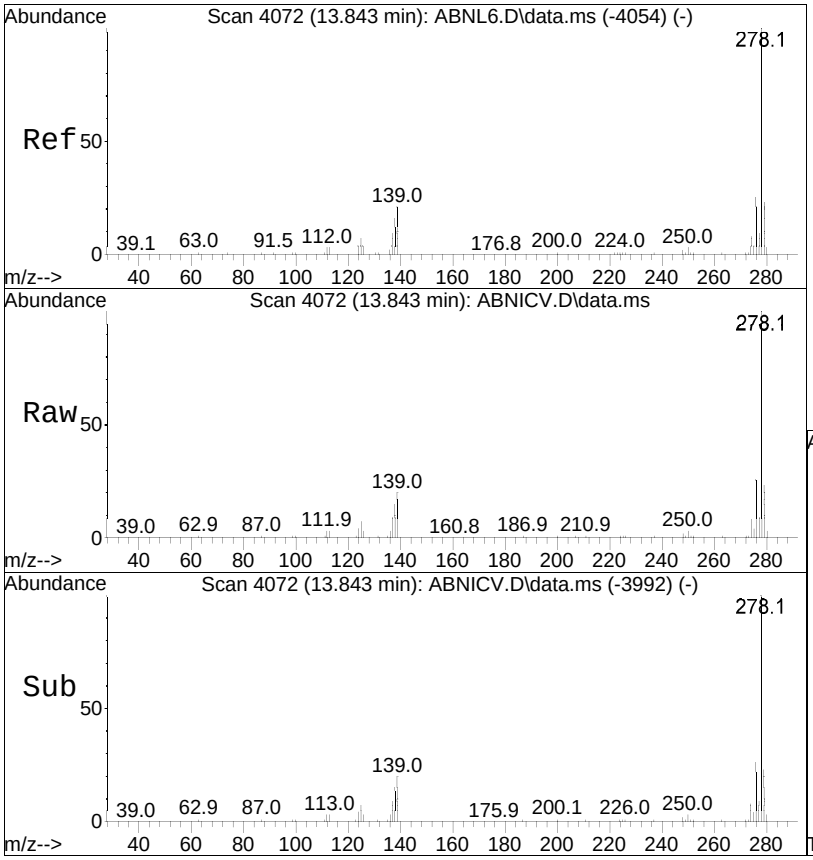


#114
Indeno(1,2,3-cd)pyrene
Concen: 4.54 ug/mL
RT: 13.815 min Scan# 4063
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:276 Resp: 207533

Ion	Ratio	Lower	Upper
276	100		
138	27.0	25.1	37.7
277	24.4	18.6	28.0

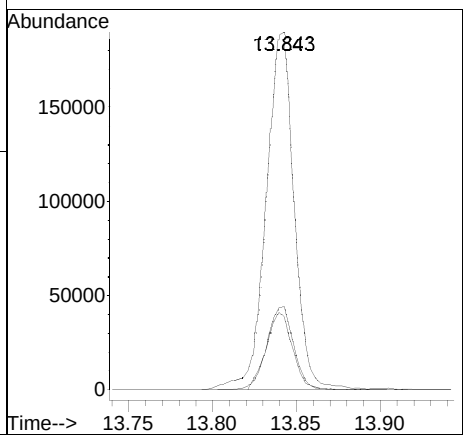


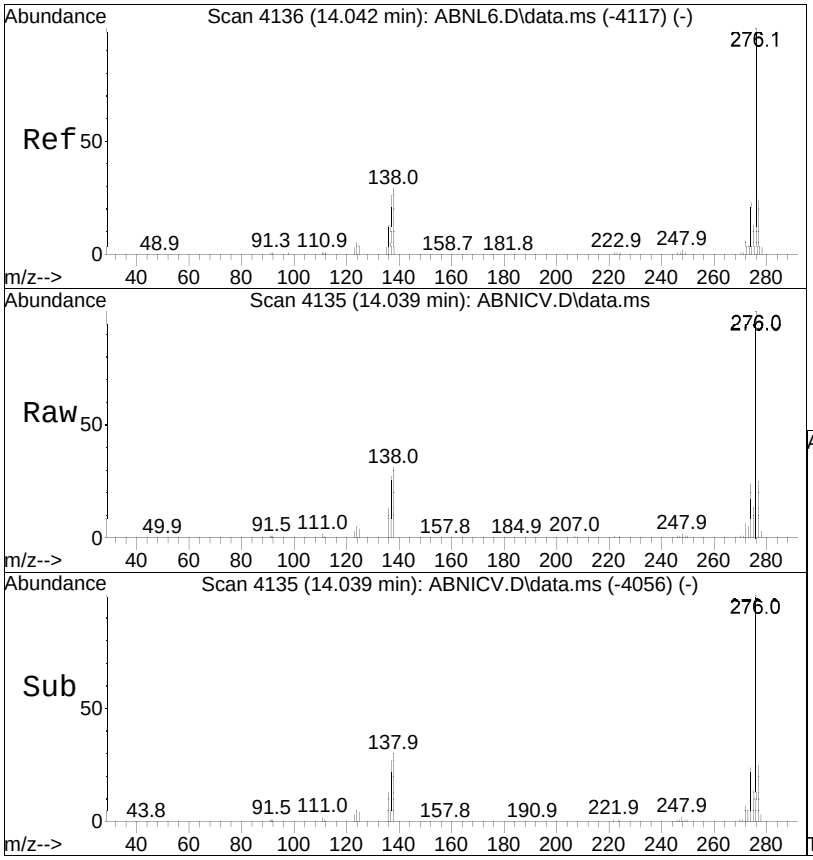


#115
Dibenzo(a,h)anthracene
Concen: 4.61 ug/ml
RT: 13.843 min Scan# 4072
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:278 Resp: 218203

Ion	Ratio	Lower	Upper
278	100		
139	20.5	20.8	31.2#
279	22.7	18.3	27.5

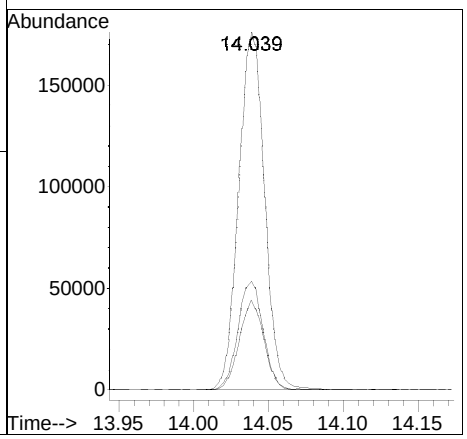




#116
Benzo(ghi)perylene
Concen: 4.53 ug/ml
RT: 14.039 min Scan# 4135
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

Tgt Ion:276 Resp: 211143

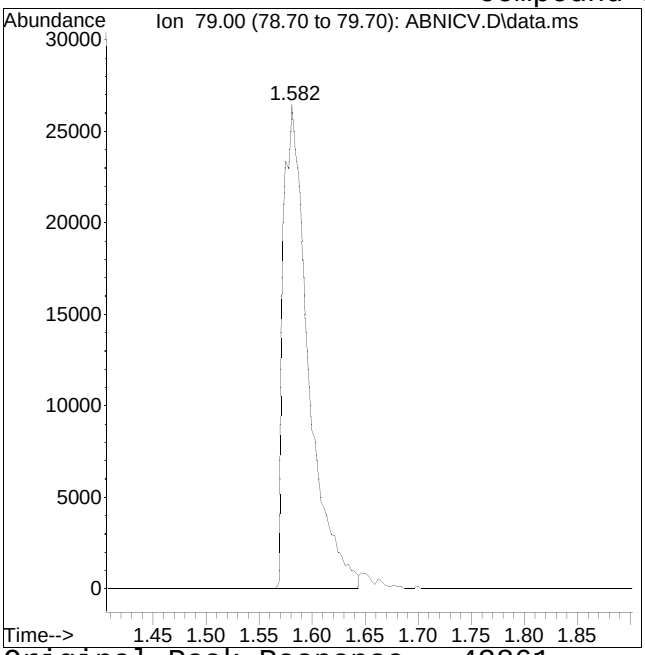
Ion	Ratio	Lower	Upper
276	100		
138	30.1	29.2	43.8
277	24.2	18.8	28.2

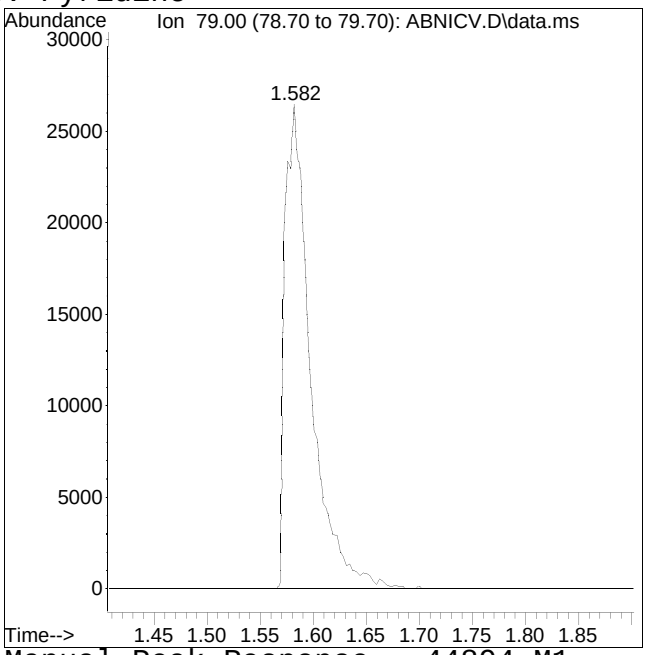


Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNICV.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:33 pm Instrument : SV 106
Sample : CQICV1,32,,ABNICV Lot# 119Quant Date : 8/28/2025 6:21 am

Compound #3: Pyridine



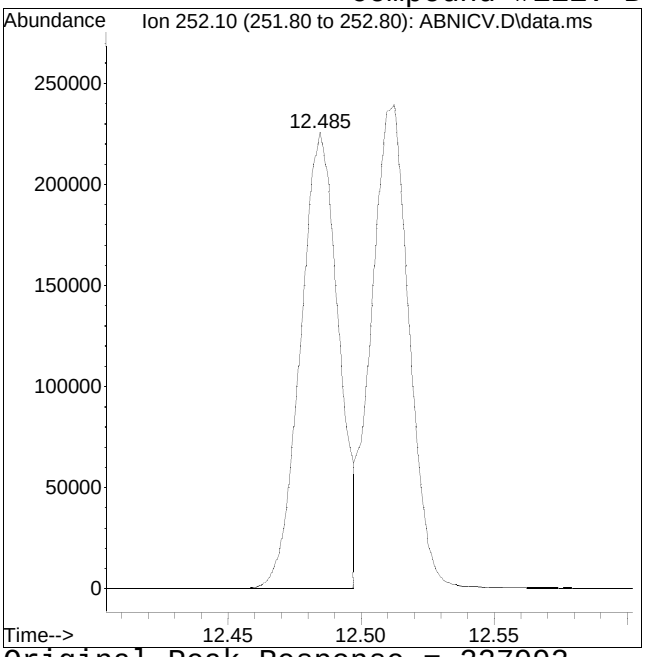


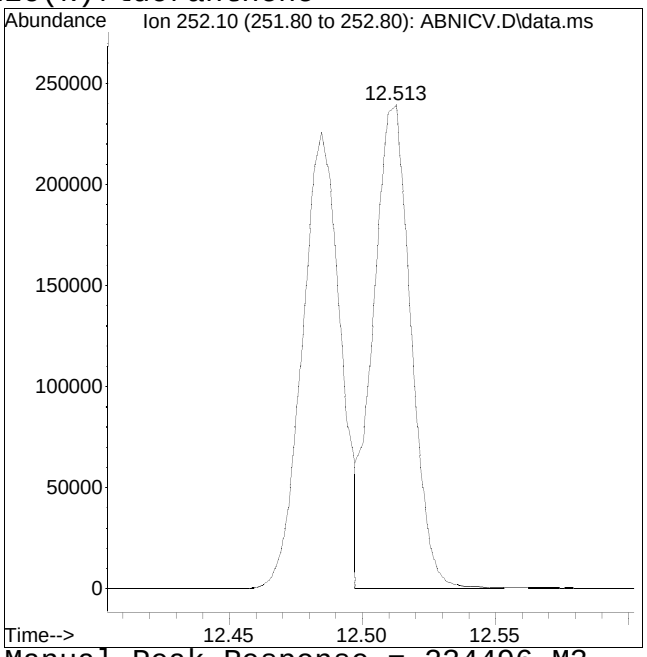
Original Peak Response = 43861 Manual Peak Response = 44894 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNICV.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:33 pm Instrument : SV 106
Sample : CQICV1,32,,ABNICV Lot# 119 Quant Date : 8/28/2025 6:21 am

Compound #111: Benzo(k)fluoranthene



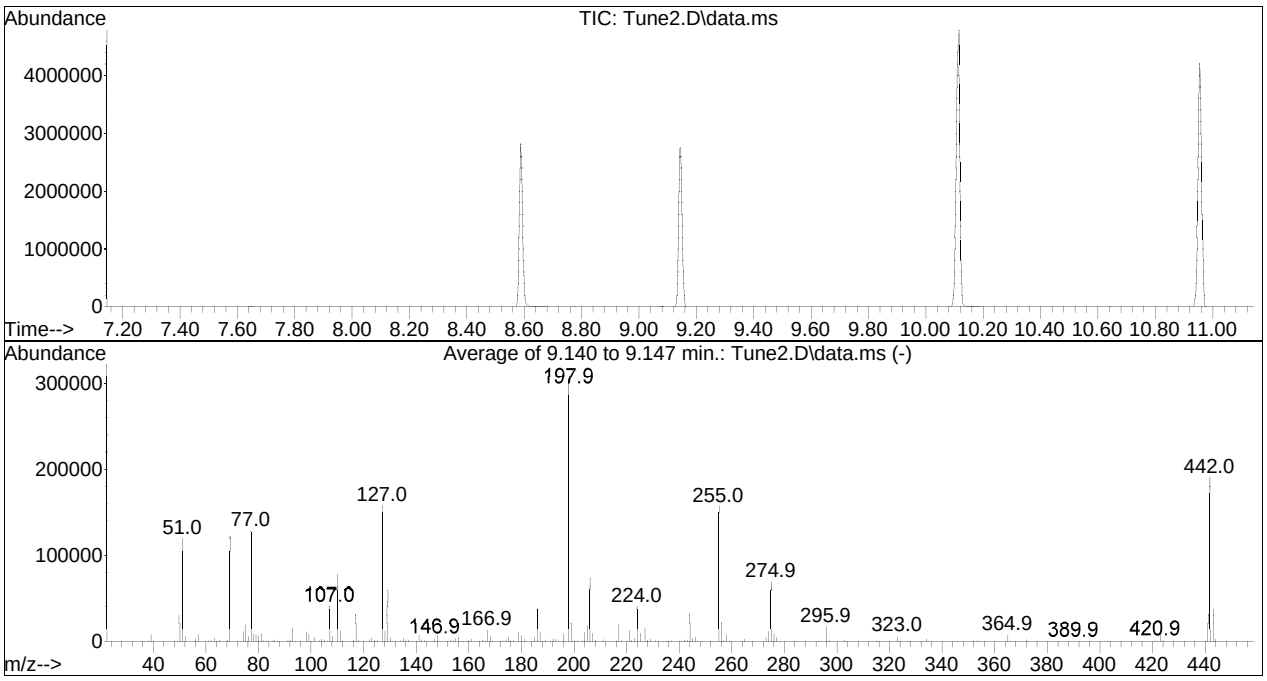


Original Peak Response = 227992 Manual Peak Response = 234496 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Data Path : I:\8270\SV106\250827ICAL\
Data File : Tune2.D
Acq On : 27 Aug 2025 11:54 pm
Operator : SV106:smz
Sample : Tune2 Lot# 11857
Misc : WG2108428,,
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Aug 28 09:56:36 2025



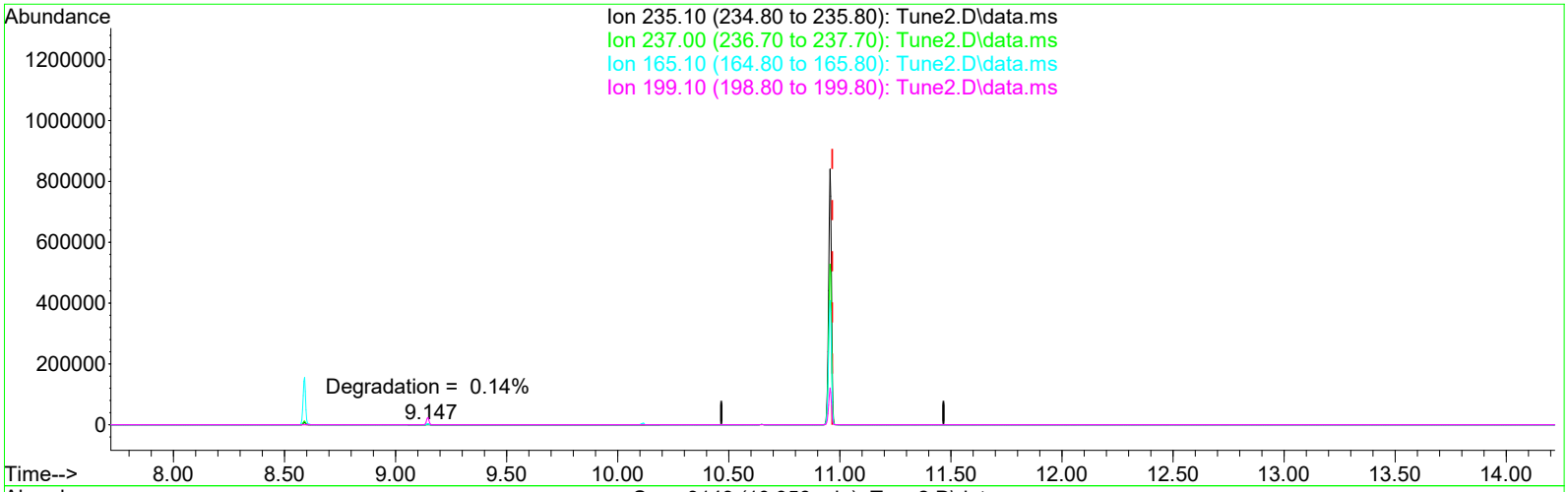
Spectrum Information: Average of 9.140 to 9.147 min.

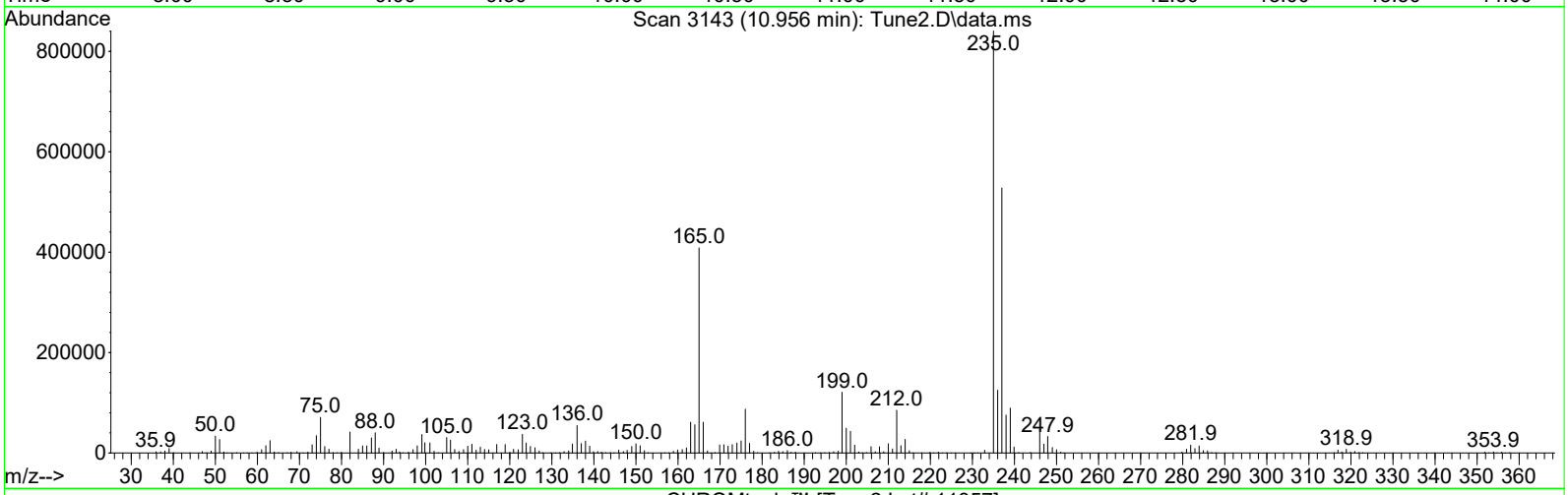
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.0	119432	PASS
68	69	0.00	2	1.8	2150	PASS
69	69	100	100	100.0	121643	PASS
70	69	0.00	2	0.4	542	PASS
127	198	10	80	51.4	157589	PASS
197	198	0.00	2	0.3	980	PASS
198	198	100	100	100.0	306581	PASS
199	198	5	9	6.9	21275	PASS
275	198	10	60	22.7	69531	PASS
365	198	1	100	2.5	7623	PASS
441	442	0.01	24	16.9	32248	PASS
442	198	50	100	62.2	190656	PASS
443	442	15	24	19.9	37995	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250827ICAL\
Data File : Tune2.D
Acq On : 27 Aug 2025 11:54 pm
Operator : SV106:smz
Sample : Tune2 Lot# 11857
Misc : WG2108428,,
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 28 05:29:06 2025
Quant Method : I:\8270\SV106\250827ICAL\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:29:49 2025
Response via : Initial Calibration





CHROMtools™ [Tune2 Lot# 11857]

(6) DDT (T)

10.956min (-0.012) 120.64

response 735365

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	64.52
165.10	44.50	49.81
199.10	14.80	14.22

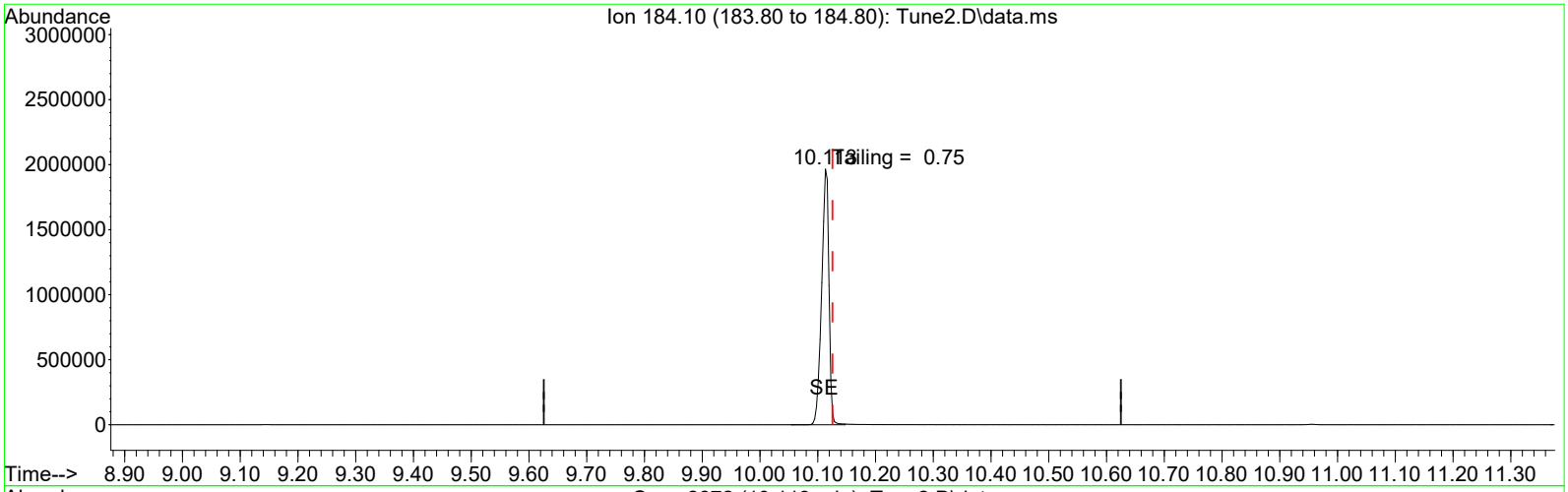
Duplicate Retention Times

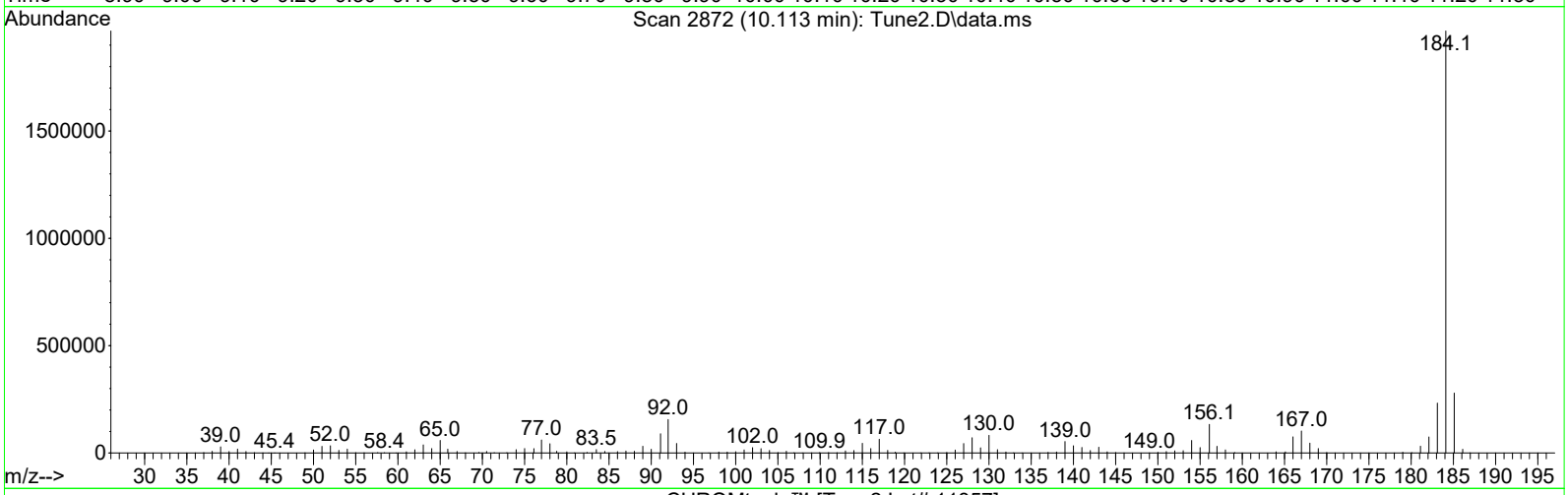
(2) DFTPP 198.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250827ICAL\
Data File : Tune2.D
Acq On : 27 Aug 2025 11:54 pm
Operator : SV106:smz
Sample : Tune2 Lot# 11857
Misc : WG2108428,,
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 28 05:29:06 2025
Quant Method : I:\8270\SV106\250827ICAL\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:29:49 2025
Response via : Initial Calibration





CHROMtools™ [Tune2 Lot# 11857]

(3) Benzidine (T)

10.113min (-0.013) 170.36

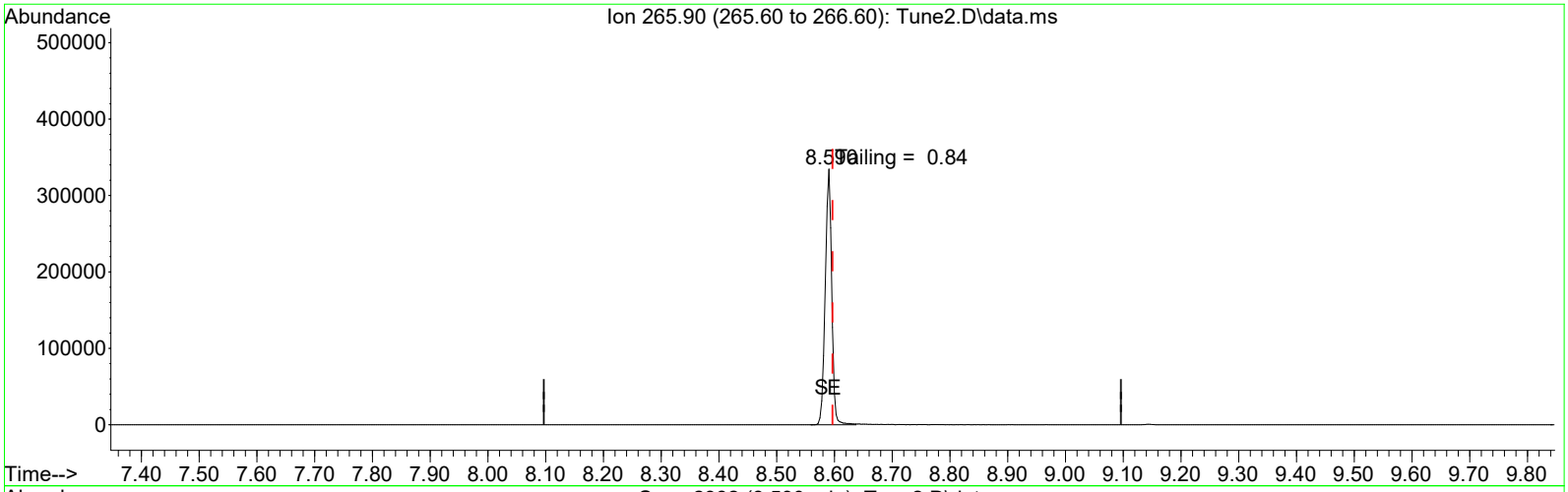
response 1734310

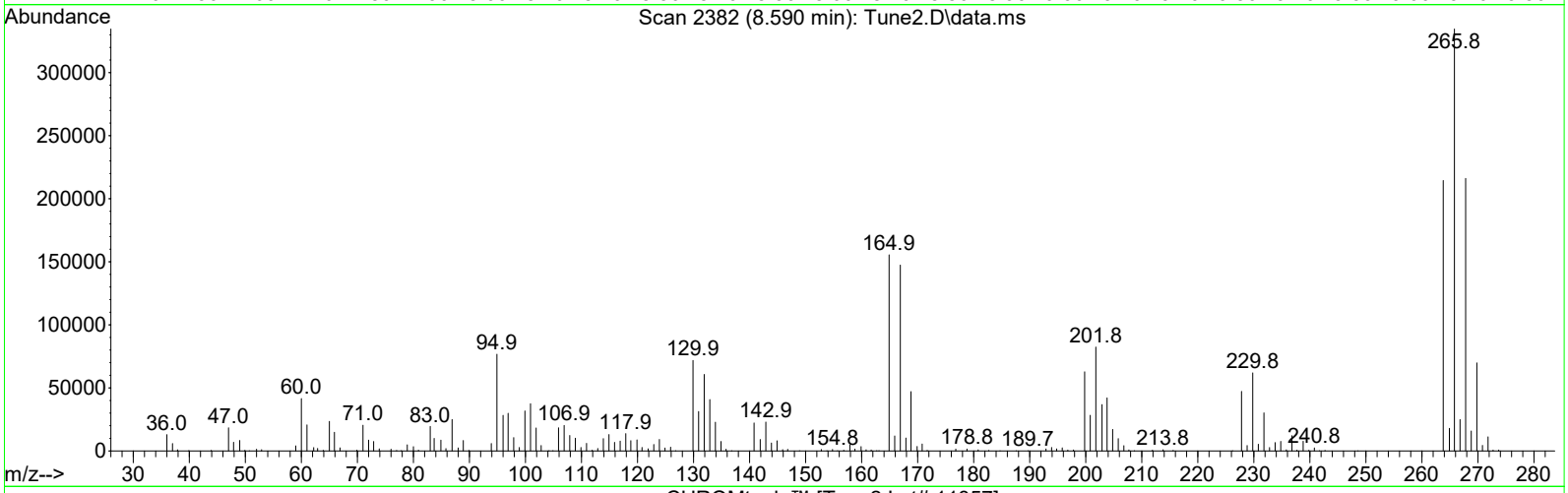
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250827ICAL\
Data File : Tune2.D
Acq On : 27 Aug 2025 11:54 pm
Operator : SV106:smz
Sample : Tune2 Lot# 11857
Misc : WG2108428,,
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 28 05:29:06 2025
Quant Method : I:\8270\SV106\250827ICAL\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:29:49 2025
Response via : Initial Calibration





CHROMtools™ [Tune2 Lot# 11857]

(1) Pentachlorophenol (T)

8.590min (-0.007) 125.41

response 263407

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L9.D
Acq On : 28 Aug 2025 12:16 am
Operator : SV106:smz
Sample : IL2,32,,AP9L50 Lot# 11923
Misc : WG2108428,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 28 05:52:35 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:41:28 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	31106	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery = 100.51%			
55) IS2_Naphthalene-d8	5.572	136	125947	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery = 102.88%			
83) IS2_Acenaphthene-d10	7.307	164	72251	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery = 102.19%			
98) IS2_Phenanthrene-d10	8.755	188	149084	4.000	ug/ml #	0.00
Standard Area 3 = 142347			Recovery = 104.73%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.854	105	241856	48.192	ug/ml	89
29) Acetophenone	4.727	105	739805	44.842	ug/ml#	79
30) m-Toluidine	4.814	106	509677	43.049	ug/ml	95
31) 2-Chloroaniline	5.178	127	696599	44.867	ug/ml#	90
56) a-Terpineol	5.653	59	429714	49.201	ug/ml#	83
57) 3-Chloroaniline	5.659	65	180572	49.683	ug/ml	87
58) 2,6-Dichlorophenol	5.684	162	484433	48.197	ug/ml#	85
59) 1-chloro-2-nitrobenzene	5.942	111	227753	44.280	ug/ml#	1
60) Caprolactam	6.008	55	261055	42.386	ug/ml#	72
61) 1,2,4,5-Tetrachloroben...	6.464	216	551234	48.639	ug/ml	98
62) Biphenyl	6.763	154	1376229	38.483	ug/ml	98
84) Dichloran	8.460	206	186523	52.750	ug/ml#	68
85) Pentachloronitrobenzene	8.606	237	168675	50.001	ug/ml#	85
99) Diphenamid	9.691	167	1011695	43.252	ug/ml#	79

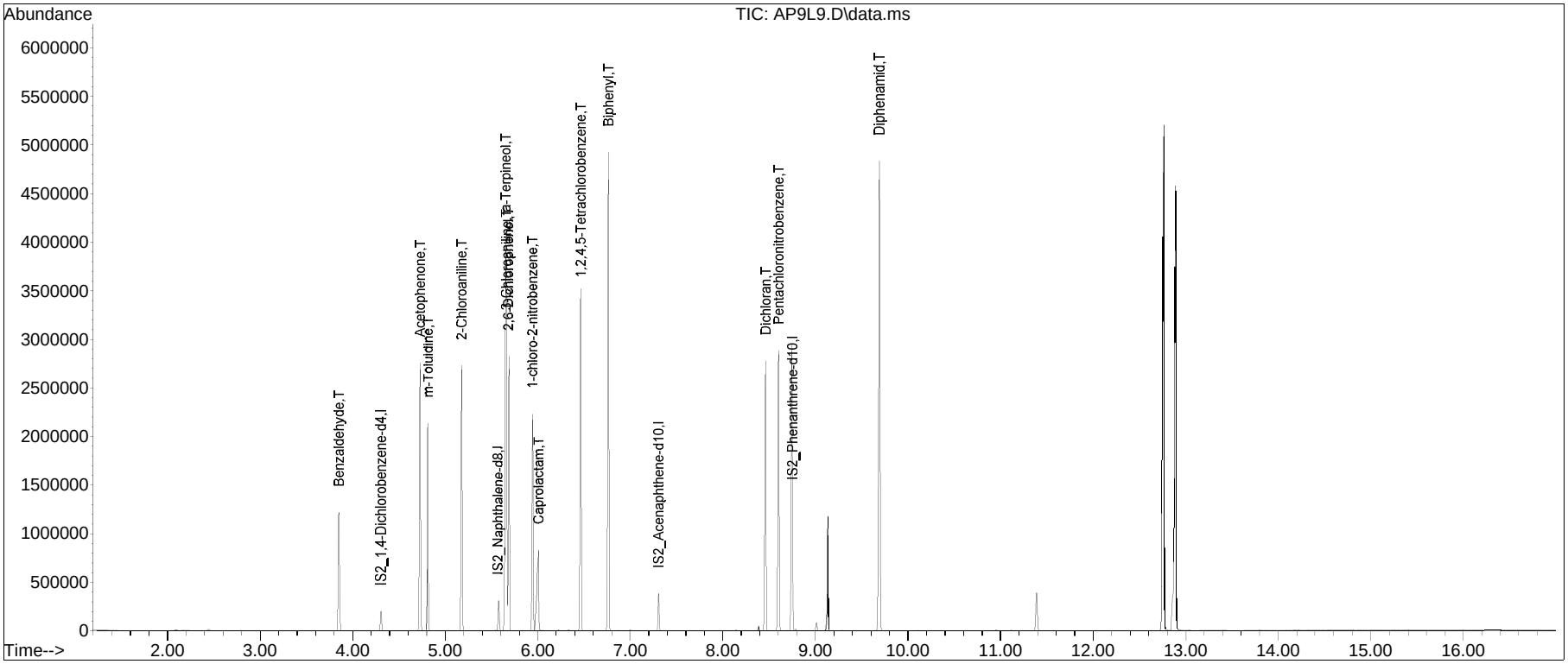
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L9.D
Acq On : 28 Aug 2025 12:16 am
Operator : SV106:smz
Sample : IL2,32,,AP9L50 Lot# 11923
Misc : WG2108428,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 28 05:52:35 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:41:28 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250827ICAL\	QMethod	: FS250827SV106.m
Data File	: AP9L9.D	Operator	: SV106:smz
Date Inj'd	: 8/28/2025 12:16 am	Instrument	: SV 106
Sample	: IL2,32,,AP9L50 Lot# 11923	Quant Date	: 8/28/2025 5:43 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L8.D
Acq On : 28 Aug 2025 12:37 am
Operator : SV106:smz
Sample : IL3,32,,AP9L25 Lot# 11924
Misc : WG2108428,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 28 05:52:12 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:41:28 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	31524	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery = 101.86%			
55) IS2_Naphthalene-d8	5.573	136	123757	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery = 101.09%			
83) IS2_Acenaphthene-d10	7.304	164	71671	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery = 101.37%			
98) IS2_Phenanthrene-d10	8.752	188	146352	4.000	ug/ml #	0.00
Standard Area 3 = 142347			Recovery = 102.81%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.851	105	120804	23.568	ug/ml	89
29) Acetophenone	4.724	105	365051	21.678	ug/ml#	80
30) m-Toluidine	4.811	106	247710	20.644	ug/ml	95
31) 2-Chloroaniline	5.178	127	343357	21.854	ug/ml#	90
56) a-Terpineol	5.647	59	212848	24.802	ug/ml#	84
57) 3-Chloroaniline	5.656	65	89251	24.569	ug/ml	86
58) 2,6-Dichlorophenol	5.681	162	237159	23.795	ug/ml#	85
59) 1-chloro-2-nitrobenzene	5.939	111	111135	21.990	ug/ml#	1
60) Caprolactam	5.992	55	124811	20.624	ug/ml#	73
61) 1,2,4,5-Tetrachloroben...	6.461	216	272969	24.039	ug/ml	98
62) Biphenyl	6.760	154	681944	19.406	ug/ml	98
84) Dichloran	8.457	206	86479	24.655	ug/ml#	68
85) Pentachloronitrobenzene	8.603	237	78831	23.557	ug/ml#	86
99) Diphenamid	9.688	167	486540	21.189	ug/ml#	80

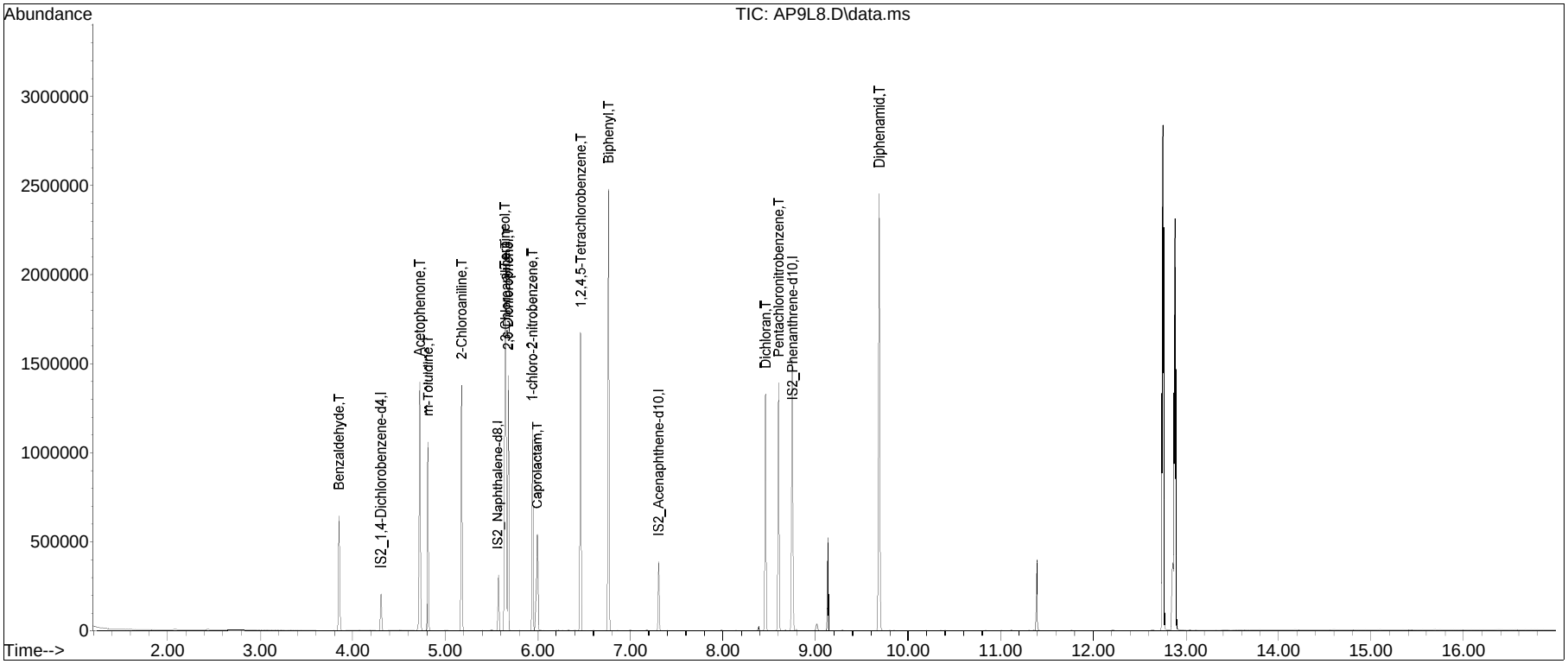
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L8.D
Acq On : 28 Aug 2025 12:37 am
Operator : SV106:smz
Sample : IL3,32,,AP9L25 Lot# 11924
Misc : WG2108428,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 28 05:52:12 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:41:28 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250827ICAL\	QMethod	: FS250827SV106.m
Data File	: AP9L8.D	Operator	: SV106:smz
Date Inj'd	: 8/28/2025 12:37 am	Instrument	: SV 106
Sample	: IL3,32,,AP9L25 Lot# 11924	Quant Date	: 8/28/2025 5:43 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L7.D
Acq On : 28 Aug 2025 12:58 am
Operator : SV106:smz
Sample : IL4,32,,AP9L10 Lot# 11925
Misc : WG2108428,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 05:50:10 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:41:28 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	30533	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery = 98.66%			
55) IS2_Naphthalene-d8	5.572	136	120539	4.000	ug/ml	# 0.00
Standard Area 3 = 122423			Recovery = 98.46%			
83) IS2_Acenaphthene-d10	7.304	164	69381	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery = 98.13%			
98) IS2_Phenanthrene-d10	8.752	188	140785	4.000	ug/ml	# 0.00
Standard Area 3 = 142347			Recovery = 98.90%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.851	105	48293	9.514	ug/ml	90
29) Acetophenone	4.724	105	143352	8.608	ug/ml#	80
30) m-Toluidine	4.811	106	96223	8.278	ug/ml	95
31) 2-Chloroaniline	5.178	127	137425	9.067	ug/ml#	90
56) a-Terpineol	5.644	59	82884	9.916	ug/ml#	83
57) 3-Chloroaniline	5.653	65	35569	9.551	ug/ml	86
58) 2,6-Dichlorophenol	5.681	162	91829	9.198	ug/ml#	85
59) 1-chloro-2-nitrobenzene	5.939	111	43411	8.819	ug/ml#	1
60) Caprolactam	5.983	55	47092	7.989	ug/ml#	74
61) 1,2,4,5-Tetrachloroben...	6.461	216	108602	9.674	ug/ml	98
62) Biphenyl	6.760	154	271123	7.921	ug/ml	98
84) Dichloran	8.454	206	30239	8.906	ug/ml#	70
85) Pentachloronitrobenzene	8.603	237	29475	9.099	ug/ml#	87
99) Diphenamid	9.684	167	187126	8.472	ug/ml#	80

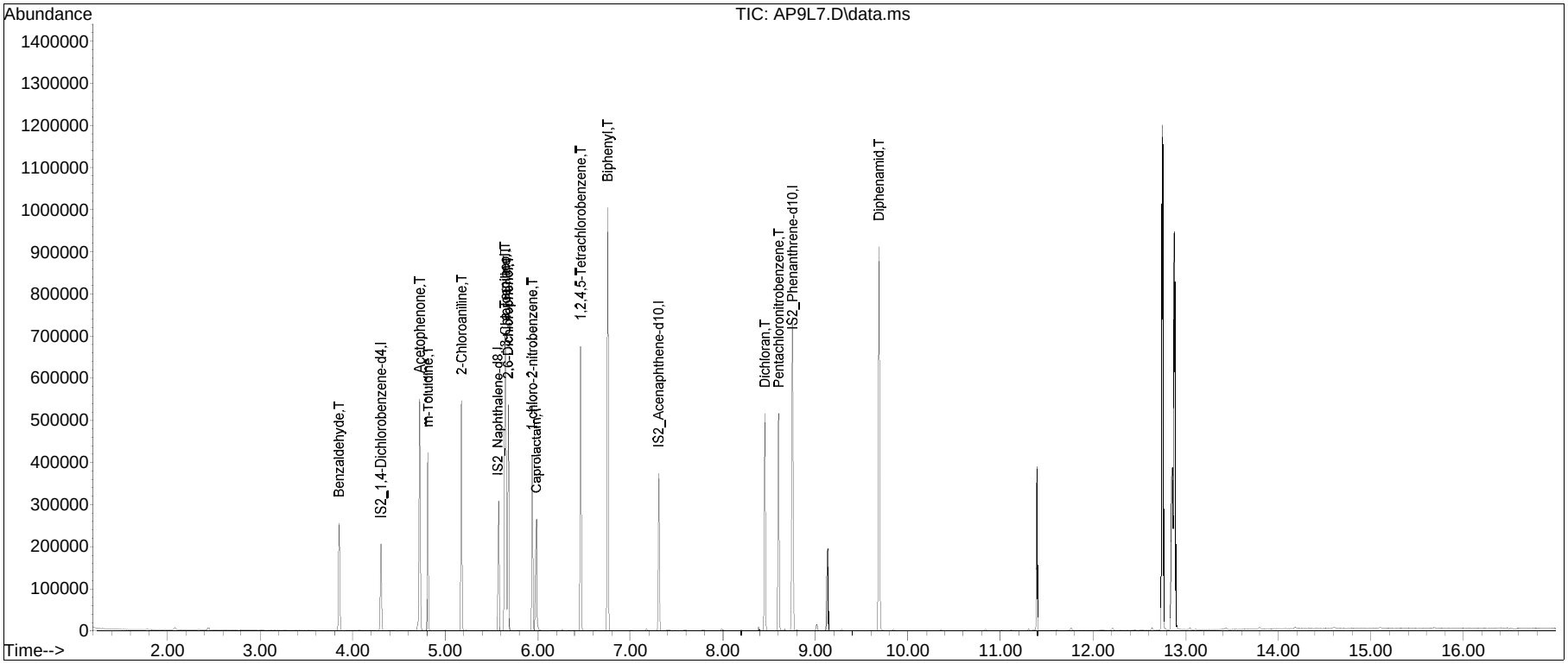
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L7.D
Acq On : 28 Aug 2025 12:58 am
Operator : SV106:smz
Sample : IL4,32,,AP9L10 Lot# 11925
Misc : WG2108428,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 05:50:10 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:41:28 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250827ICAL\	QMethod	: FS250827SV106.m
Data File	: AP9L7.D	Operator	: SV106:smz
Date Inj'd	: 8/28/2025 12:58 am	Instrument	: SV 106
Sample	: IL4,32,,AP9L10 Lot# 11925	Quant Date	: 8/28/2025 5:42 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L6.D
Acq On : 28 Aug 2025 1:20 am
Operator : SV106:smz
Sample : IL5,32,,AP9L5 Lot# 11926
Misc : WG2108428,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 28 05:49:50 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:41:28 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	30949	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery =	100.00%		
55) IS2_Naphthalene-d8	5.572	136	122423	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery =	100.00%		
83) IS2_Acenaphthene-d10	7.307	164	70701	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery =	100.00%		
98) IS2_Phenanthrene-d10	8.752	188	142347	4.000	ug/ml	0.00
Standard Area 3 = 142347			Recovery =	100.00%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.854	105	24517	4.584	ug/ml	90
29) Acetophenone	4.724	105	72454	4.140	ug/ml#	81
30) m-Toluidine	4.811	106	46756	3.968	ug/ml	95
31) 2-Chloroaniline	5.178	127	67694	4.439	ug/ml#	90
56) a-Terpineol	5.644	59	40745	4.800	ug/ml#	82
57) 3-Chloroaniline	5.653	65	18735	4.544	ug/ml	93
58) 2,6-Dichlorophenol	5.678	162	44237	4.135	ug/ml#	85
59) 1-chloro-2-nitrobenzene	5.939	111	20884	4.177	ug/ml#	1
60) Caprolactam	5.976	55	22724	3.796	ug/ml#	76
61) 1,2,4,5-Tetrachloroben...	6.458	216	55634	4.824	ug/ml	97
62) Biphenyl	6.760	154	138418	3.982	ug/ml	98
84) Dichloran	8.454	206	14237	4.115	ug/ml#	70
85) Pentachloronitrobenzene	8.600	237	14496	4.391	ug/ml#	86
99) Diphenamid	9.684	167	91388	4.092	ug/ml#	80

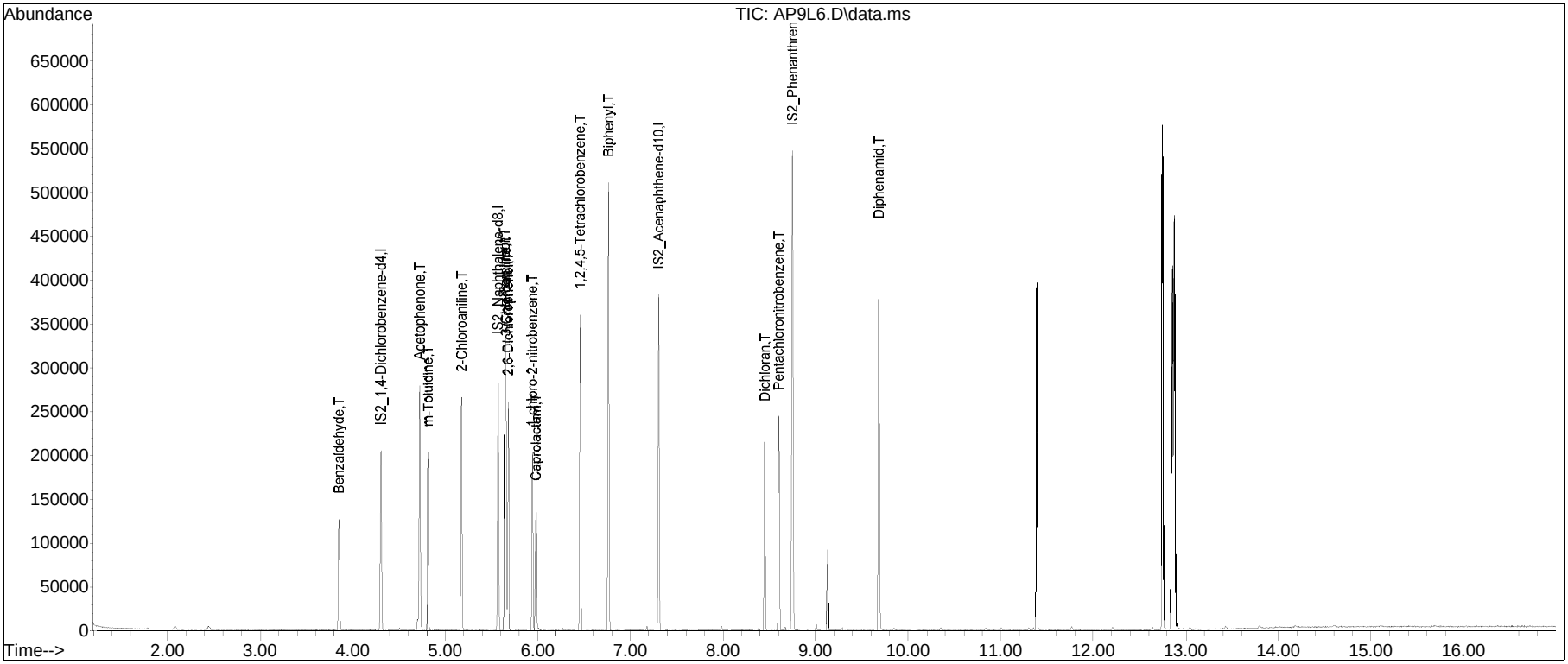
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L6.D
Acq On : 28 Aug 2025 1:20 am
Operator : SV106:smz
Sample : IL5,32,,AP9L5 Lot# 11926
Misc : WG2108428,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 28 05:49:50 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:41:28 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250827ICAL\	QMethod	: FS250827SV106.m
Data File	: AP9L6.D	Operator	: SV106:smz
Date Inj'd	: 8/28/2025 1:20 am	Instrument	: SV 106
Sample	: IL5,32,,AP9L5 Lot# 11926	Quant Date	: 8/28/2025 5:42 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L5.D
Acq On : 28 Aug 2025 1:41 am
Operator : SV106:smz
Sample : IL6,32,,AP9L2.5 Lot# 11927
Misc : WG2108428,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 28 05:49:28 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:41:28 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	31488	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery =	101.74%		
55) IS2_Naphthalene-d8	5.572	136	123415	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery =	100.81%		
83) IS2_Acenaphthene-d10	7.303	164	69959	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery =	98.95%		
98) IS2_Phenanthrene-d10	8.752	188	139425	4.000	ug/ml	# 0.00
Standard Area 3 = 142347			Recovery =	97.95%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.850	105	12800	2.175	ug/ml	91
29) Acetophenone	4.724	105	37207	1.939	ug/ml#	80
30) m-Toluidine	4.811	106	22875	1.907	ug/ml	95
31) 2-Chloroaniline	5.178	127	34404	2.248	ug/ml#	90
56) a-Terpineol	5.644	59	20380	2.381	ug/ml#	81
57) 3-Chloroaniline	5.656	65	9233	1.787	ug/ml	90
58) 2,6-Dichlorophenol	5.678	162	21794	1.799	ug/ml#	85
59) 1-chloro-2-nitrobenzene	5.939	111	10575	2.098	ug/ml#	1
60) Caprolactam	5.973	55	11167	1.850	ug/ml#	76
61) 1,2,4,5-Tetrachloroben...	6.458	216	28206	2.384	ug/ml	97
62) Biphenyl	6.760	154	71591	2.043	ug/ml	99
84) Dichloran	8.453	206	6372	1.861	ug/ml#	72
85) Pentachloronitrobenzene	8.600	237	6722	2.058	ug/ml#	86
99) Diphenamid	9.684	167	43972	2.010	ug/ml#	78

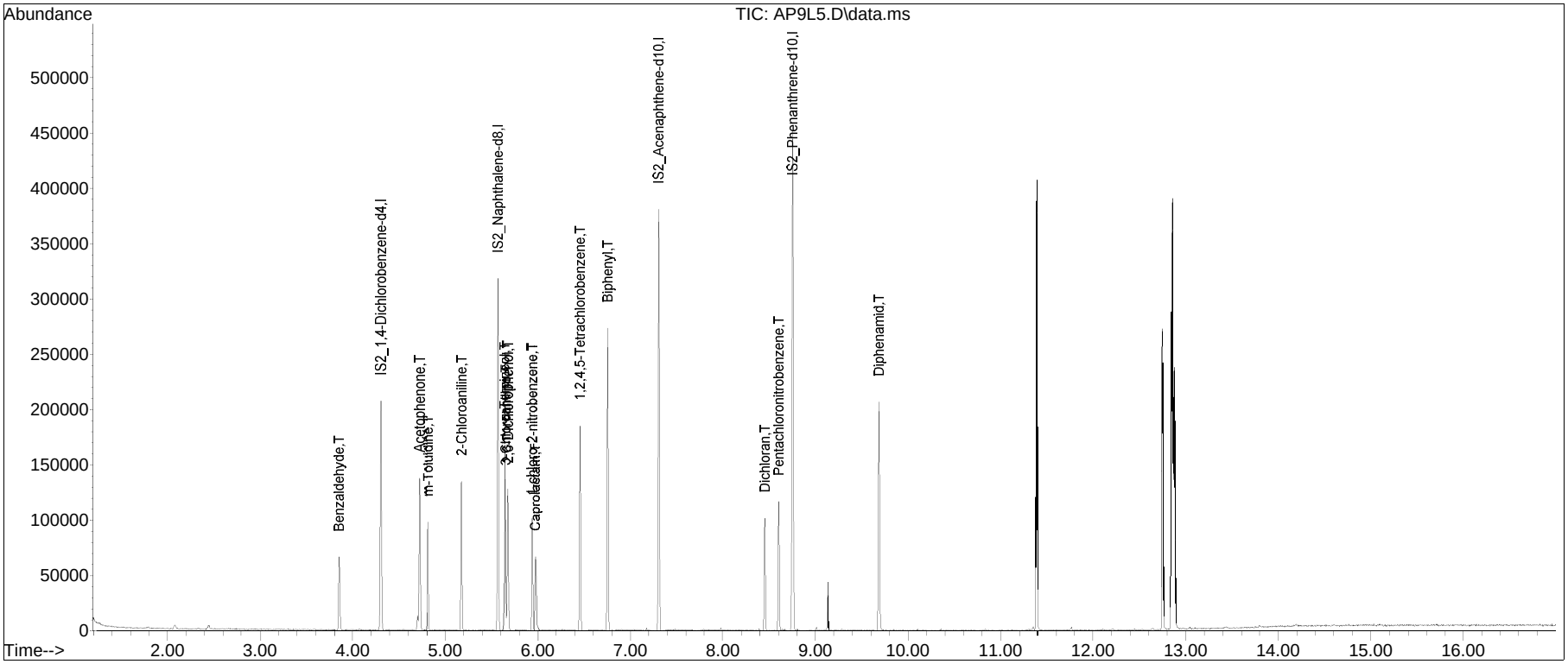
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L5.D
Acq On : 28 Aug 2025 1:41 am
Operator : SV106:smz
Sample : IL6,32,,AP9L2.5 Lot# 11927
Misc : WG2108428,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 28 05:49:28 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:41:28 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250827ICAL\	QMethod	: FS250827SV106.m
Data File	: AP9L5.D	Operator	: SV106:smz
Date Inj'd	: 8/28/2025 1:41 am	Instrument	: SV 106
Sample	: IL6,32,,AP9L2.5 Lot# 11927	Quant Date	: 8/28/2025 5:42 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L4.D
Acq On : 28 Aug 2025 2:03 am
Operator : SV106:smz
Sample : IL7,32,,AP9L1 Lot# 11928
Misc : WG2108428,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 28 05:49:06 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:41:28 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	32169	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery =	103.94%		
55) IS2_Naphthalene-d8	5.572	136	127123	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery =	103.84%		
83) IS2_Acenaphthene-d10	7.303	164	72215	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery =	102.14%		
98) IS2_Phenanthrene-d10	8.752	188	142802	4.000	ug/ml	0.00
Standard Area 3 = 142347			Recovery =	100.32%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.853	105	5276	0.661	ug/ml	87
29) Acetophenone	4.724	105	14867	0.573	ug/ml#	80
30) m-Toluidine	4.811	106	7331	0.597	ug/ml	95
31) 2-Chloroaniline	5.174	127	13198	0.883	ug/ml#	89
56) a-Terpineol	5.644	59	8261	0.937	ug/ml#	84
57) 3-Chloroaniline	5.653	65	3531	0.129	ug/ml	81
58) 2,6-Dichlorophenol	5.678	162	8168	0.379	ug/ml#	85
59) 1-chloro-2-nitrobenzene	5.939	111	4380	0.844	ug/ml#	1
60) Caprolactam	5.973	55	3951	0.636	ug/ml#	77
61) 1,2,4,5-Tetrachloroben...	6.458	216	11563	0.902	ug/ml	97
62) Biphenyl	6.760	154	28809	0.798	ug/ml	99
84) Dichloran	8.454	206	2437	0.690	ug/ml#	68
85) Pentachloronitrobenzene	8.600	237	2445	0.725	ug/ml	87
99) Diphenamid	9.684	167	16325	0.729	ug/ml#	80

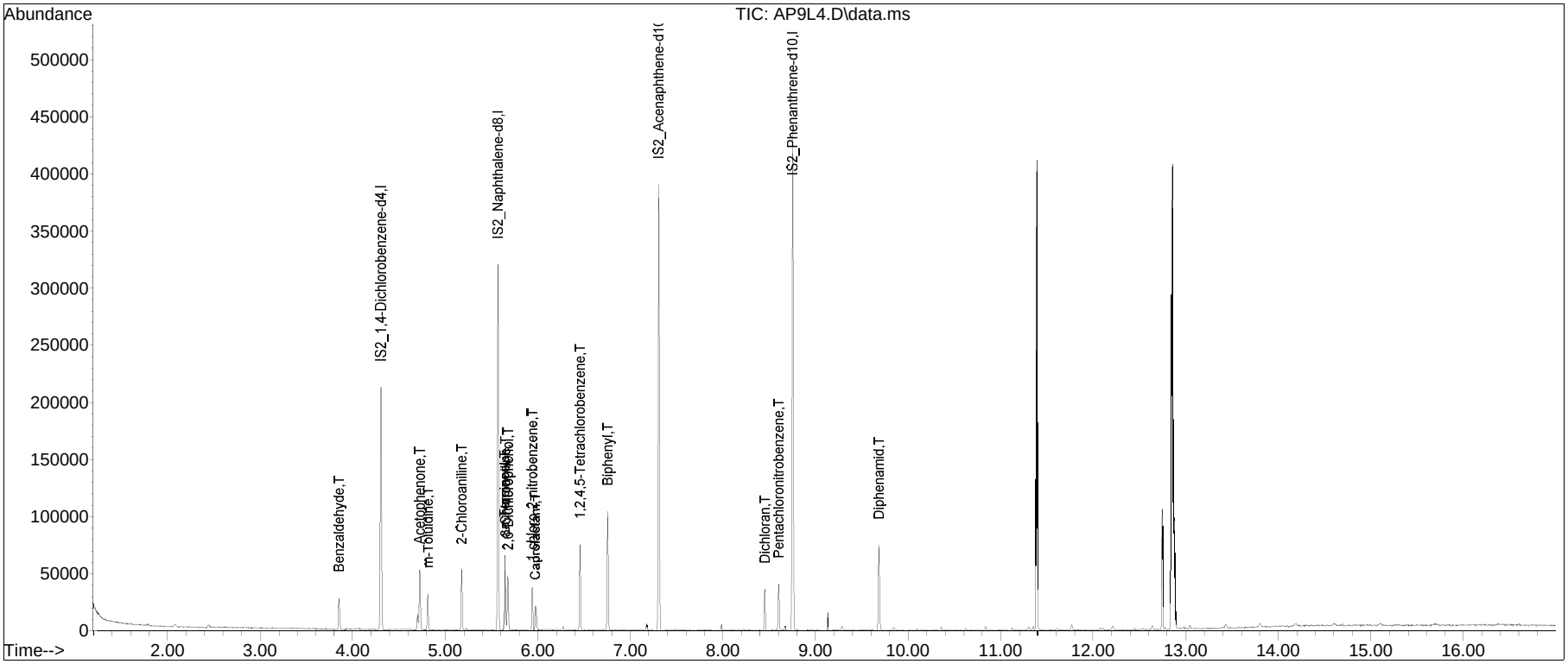
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L4.D
Acq On : 28 Aug 2025 2:03 am
Operator : SV106:smz
Sample : IL7,32,,AP9L1 Lot# 11928
Misc : WG2108428,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 28 05:49:06 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:41:28 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250827ICAL\	QMethod	: FS250827SV106.m
Data File	: AP9L4.D	Operator	: SV106:smz
Date Inj'd	: 8/28/2025 2:03 am	Instrument	: SV 106
Sample	: IL7,32,,AP9L1 Lot# 11928	Quant Date	: 8/28/2025 5:42 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L3.D
Acq On : 28 Aug 2025 2:24 am
Operator : SV106:smz
Sample : IL8,32,,AP9L0.5 Lot# 11929
Misc : WG2108428,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 28 10:46:21 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	30712	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery = 99.23%			
55) IS2_Naphthalene-d8	5.572	136	121925	4.000	ug/ml	# 0.00
Standard Area 3 = 122423			Recovery = 99.59%			
83) IS2_Acenaphthene-d10	7.307	164	68121	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery = 96.35%			
98) IS2_Phenanthrene-d10	8.752	188	134155	4.000	ug/ml	# 0.00
Standard Area 3 = 142347			Recovery = 94.25%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.854	105	2530	0.511	ug/ml	90
29) Acetophenone	4.727	105	7956	0.544	ug/ml#	77
30) m-Toluidine	4.811	106	2869	0.333	ug/ml#	89
31) 2-Chloroaniline	5.178	127	6731	0.509	ug/ml#	91
56) a-Terpineol	5.644	59	3950	0.485	ug/ml#	79
57) 3-Chloroaniline	5.653	65	1709	0.490	ug/ml	81
58) 2,6-Dichlorophenol	5.681	162	4302	0.495	ug/ml#	81
59) 1-chloro-2-nitrobenzene	5.936	111	2003	0.488	ug/ml#	1
60) Caprolactam	5.976	55	1830	0.424	ug/ml#	71
61) 1,2,4,5-Tetrachloroben...	6.461	216	6021	0.529	ug/ml	98
62) Biphenyl	6.760	154	14379	0.507	ug/ml	98
84) Dichloran	8.451	206	1175	0.436	ug/ml#	71
85) Pentachloronitrobenzene	8.600	237	1187	0.451	ug/ml#	86
99) Diphenamid	9.684	167	7361	0.451	ug/ml#	82

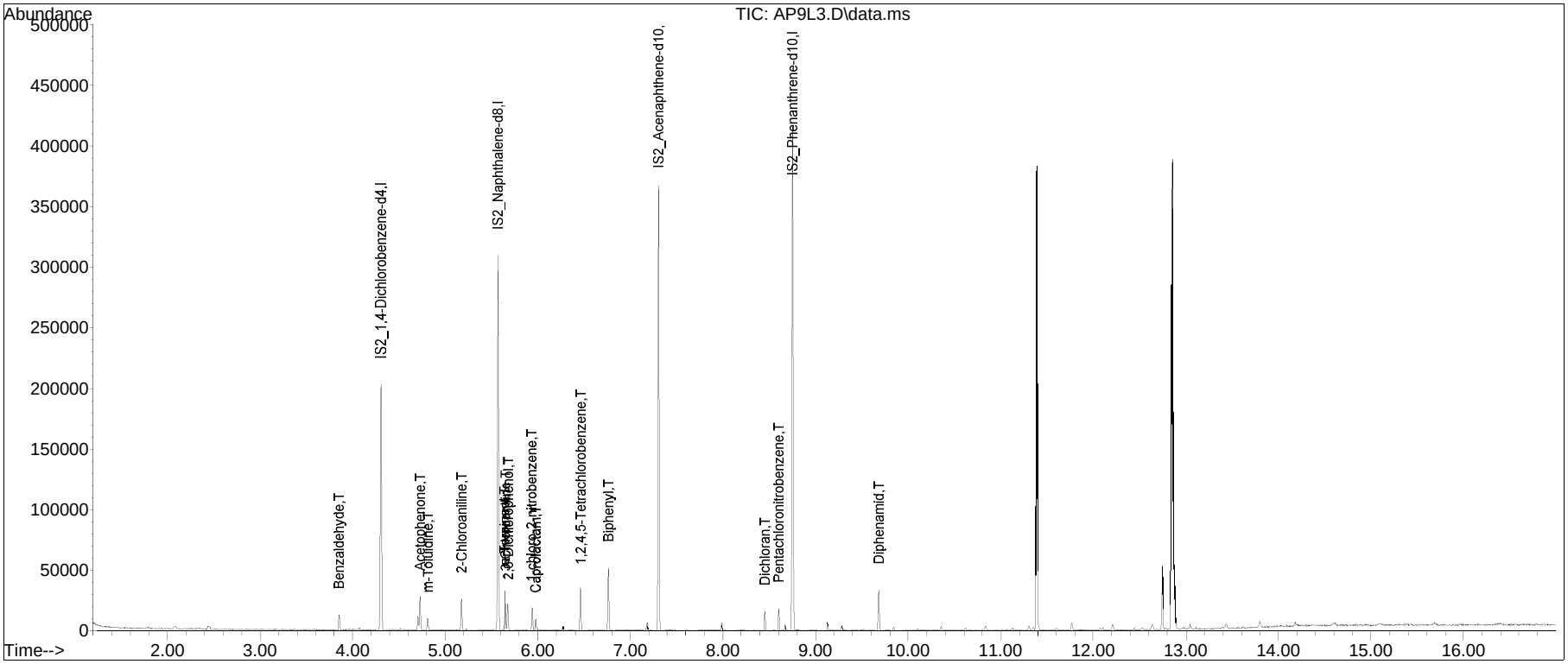
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L3.D
Acq On : 28 Aug 2025 2:24 am
Operator : SV106:smz
Sample : IL8,32,,AP9L0.5 Lot# 11929
Misc : WG2108428,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 28 10:46:21 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250827ICAL\	QMethod	: FS250827SV106.m
Data File	: AP9L3.D	Operator	: SV106:smz
Date Inj'd	: 8/28/2025 2:24 am	Instrument	: SV 106
Sample	: IL8,32,,AP9L0.5 Lot# 11929	Quant Date	: 8/28/2025 10:47 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L2.D
Acq On : 28 Aug 2025 2:45 am
Operator : SV106:smz
Sample : IL9,32,,AP9L0.2 Lot# 11930
Misc : WG2108428,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 10:48:11 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.304	152	32104	4.000	ug/ml		0.00
Standard Area 3 = 30949			Recovery =	103.73%			
55) IS2_Naphthalene-d8	5.572	136	122317	4.000	ug/ml	#	0.00
Standard Area 3 = 122423			Recovery =	99.91%			
83) IS2_Acenaphthene-d10	7.304	164	70864	4.000	ug/ml		0.00
Standard Area 3 = 70701			Recovery =	100.23%			
98) IS2_Phenanthrene-d10	8.752	188	139328	4.000	ug/ml		0.00
Standard Area 3 = 142347			Recovery =	97.88%			
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	3.857	105	1059	0.205	ug/ml	#	77
29) Acetophenone	4.727	105	3100	0.203	ug/ml	#	67
30) m-Toluidine	0.000		0	N.D.			
31) 2-Chloroaniline	5.178	127	2596	0.188	ug/ml	#	90
56) a-Terpineol	5.644	59	1651	0.202	ug/ml	#	81
57) 3-Chloroaniline	5.656	65	624	0.178	ug/ml	#	73
58) 2,6-Dichlorophenol	5.678	162	1600	0.183	ug/ml	#	79
59) 1-chloro-2-nitrobenzene	5.939	111	740	0.180	ug/ml	#	1
60) Caprolactam	5.983	55	691	0.159	ug/ml	#	43
61) 1,2,4,5-Tetrachloroben...	6.461	216	2548	0.223	ug/ml	#	83
62) Biphenyl	6.760	154	5871	0.206	ug/ml		99
84) Dichloran	8.454	206	440M2	0.157	ug/ml		
85) Pentachloronitrobenzene	8.600	237	389M2	0.142	ug/ml		
99) Diphenamid	9.684	167	2847	0.168	ug/ml		84

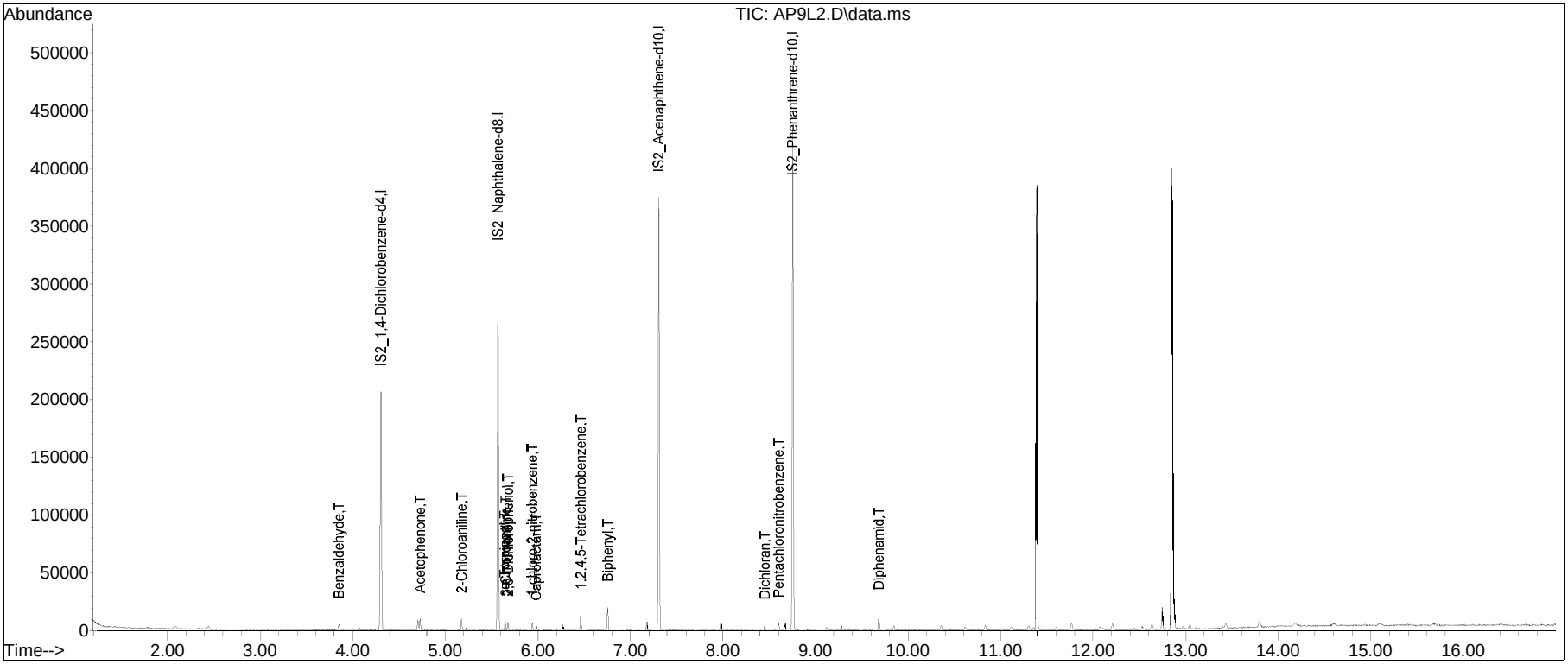
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L2.D
Acq On : 28 Aug 2025 2:45 am
Operator : SV106:smz
Sample : IL9,32,,AP9L0.2 Lot# 11930
Misc : WG2108428,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 10:48:11 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

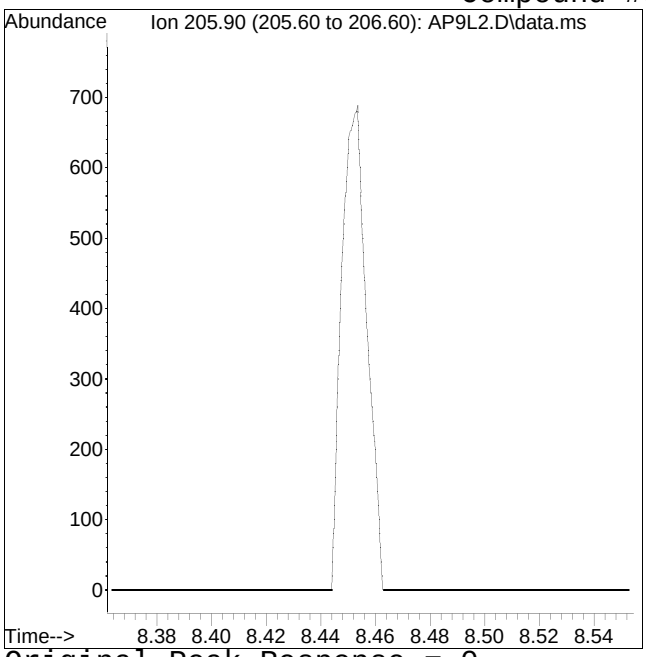
Sub List : AP9ical - AP9 ical sublistAL\AP9L6.D•



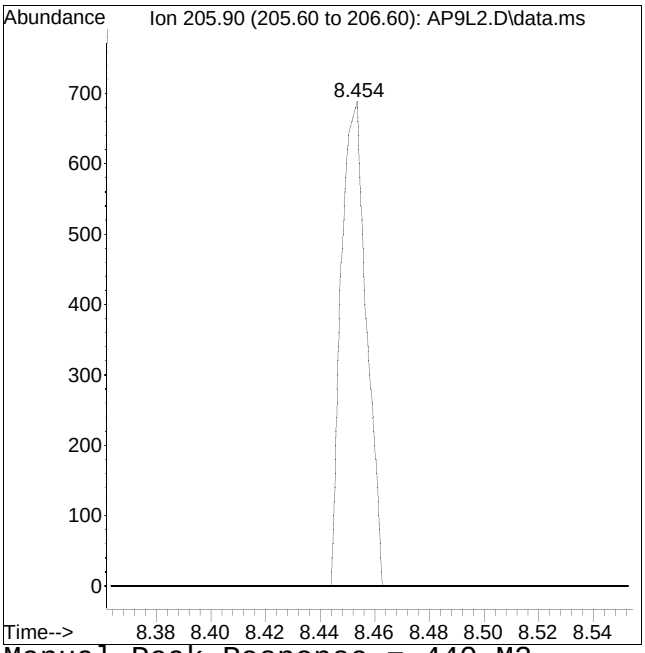
Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L2.D Operator : SV106:smz
Date Inj'd : 8/28/2025 2:45 am Instrument : SV 106
Sample : IL9,32,,AP9L0.2 Lot# 11930Quant Date : 8/28/2025 10:48 am

Compound #84: Dichloran



Original Peak Response = 0



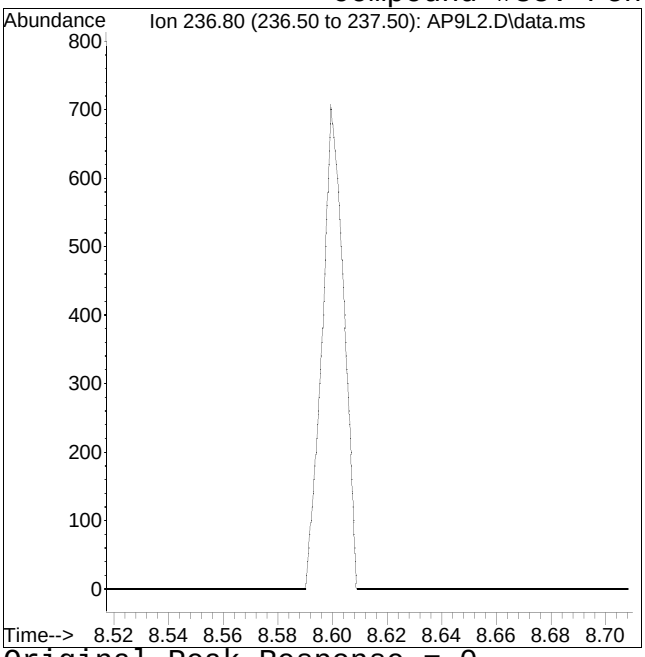
Manual Peak Response = 440 M2

M2 = Peak not found by automatic integration algorithm.

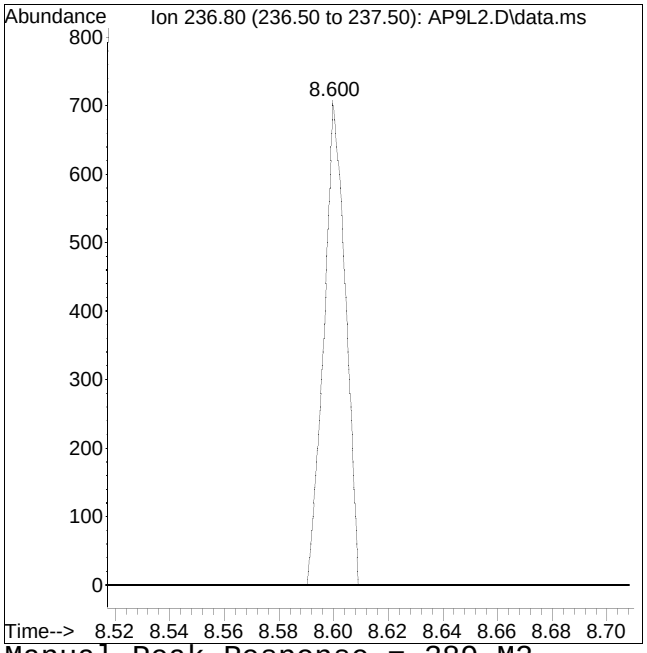
Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L2.D Operator : SV106:smz
Date Inj'd : 8/28/2025 2:45 am Instrument : SV 106
Sample : IL9,32,,AP9L0.2 Lot# 11930Quant Date : 8/28/2025 10:48 am

Compound #85: Pentachloronitrobenzene



Original Peak Response = 0



Manual Peak Response = 389 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L1.D
Acq On : 28 Aug 2025 3:07 am
Operator : SV106:smz
Sample : IL10,32,,AP9L0.1 Lot# 11931
Misc : WG2108428,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 28 10:52:32 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.304	152	31753	4.000	ug/ml		0.00
Standard Area 3 = 30949			Recovery =	102.60%			
55) IS2_Naphthalene-d8	5.572	136	123256	4.000	ug/ml		0.00
Standard Area 3 = 122423			Recovery =	100.68%			
83) IS2_Acenaphthene-d10	7.304	164	69755	4.000	ug/ml		0.00
Standard Area 3 = 70701			Recovery =	98.66%			
98) IS2_Phenanthrene-d10	8.752	188	136809	4.000	ug/ml	#	0.00
Standard Area 3 = 142347			Recovery =	96.11%			
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	3.860	105	538	0.105	ug/ml	#	1
29) Acetophenone	4.730	105	1504	0.099	ug/ml	#	39
30) m-Toluidine	0.000		0	N.D.			
31) 2-Chloroaniline	5.178	127	1324	0.097	ug/ml	#	42
56) a-Terpineol	5.644	59	804	0.098	ug/ml	#	32
57) 3-Chloroaniline	0.000		0	N.D.	d		
58) 2,6-Dichlorophenol	5.681	162	848	0.096	ug/ml	#	49
59) 1-chloro-2-nitrobenzene	5.939	111	359M2	0.086	ug/ml		
60) Caprolactam	0.000		0	N.D.			
61) 1,2,4,5-Tetrachloroben...	6.461	216	1202	0.105	ug/ml	#	86
62) Biphenyl	6.760	154	3328	0.116	ug/ml		98
84) Dichloran	8.450	206	257M2	0.093	ug/ml		
85) Pentachloronitrobenzene	0.000		0	N.D.	d		
99) Diphenamid	9.684	167	1543	0.093	ug/ml	#	80

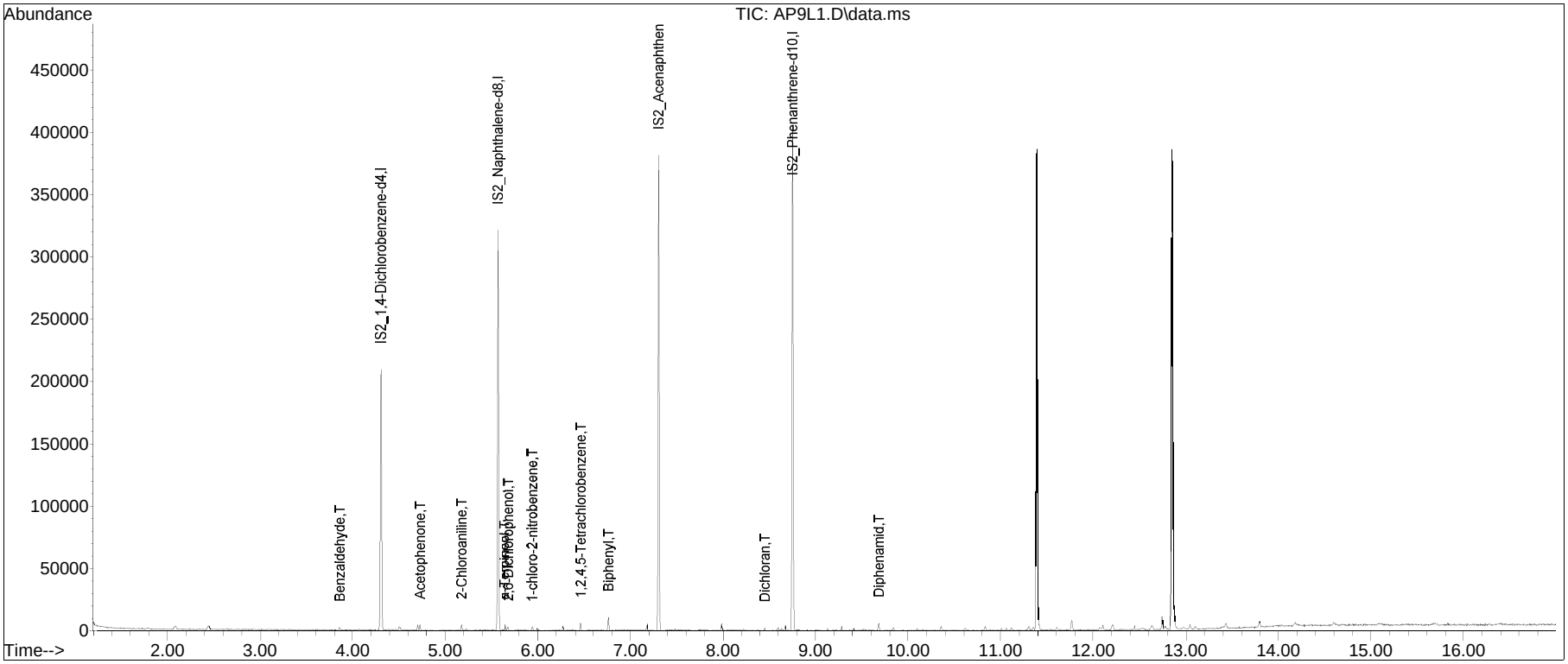
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L1.D
Acq On : 28 Aug 2025 3:07 am
Operator : SV106:smz
Sample : IL10,32,,AP9L0.1 Lot# 11931
Misc : WG2108428,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 28 10:52:32 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

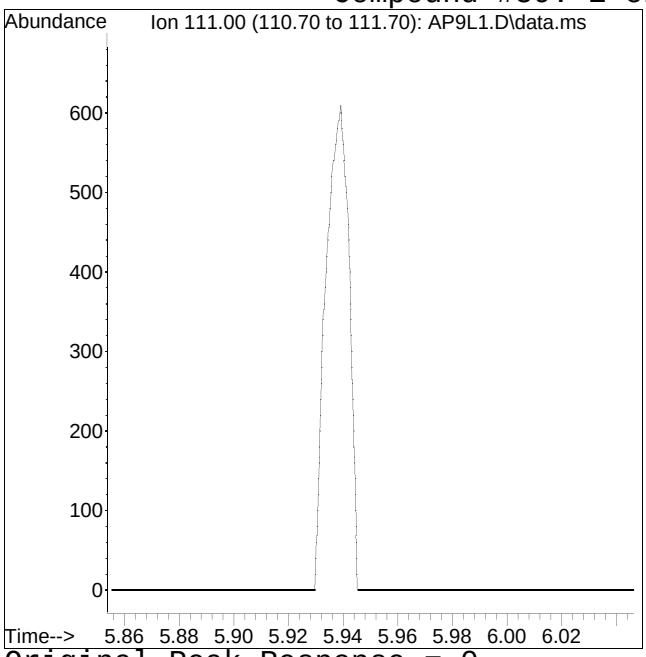
Sub List : AP9ical - AP9 ical sublistAL\AP9L6.D•



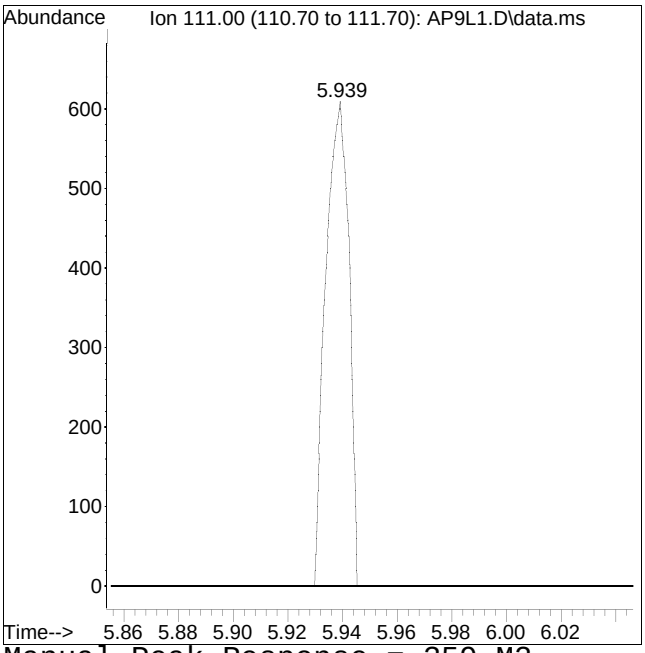
Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L1.D Operator : SV106:smz
Date Inj'd : 8/28/2025 3:07 am Instrument : SV 106
Sample : IL10,32,,AP9L0.1 Lot# 1193 Quant Date : 8/28/2025 10:51 am

Compound #59: 1-chloro-2-nitrobenzene



Original Peak Response = 0



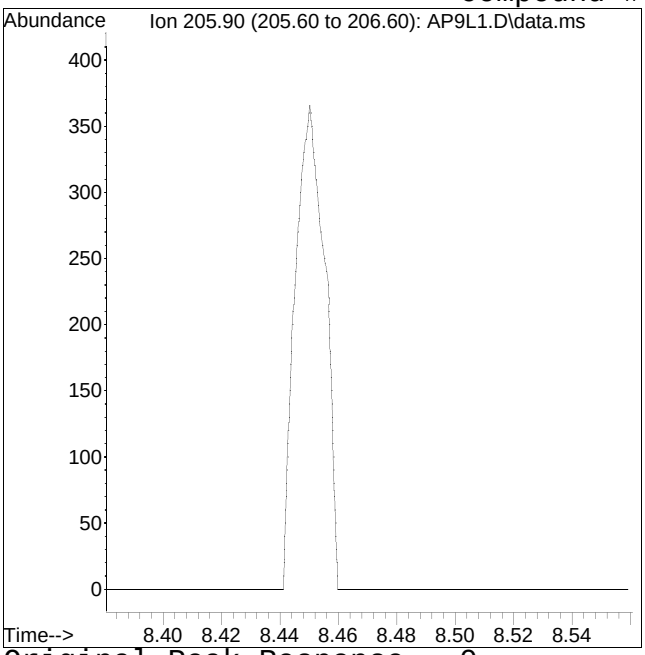
Manual Peak Response = 359 M2

M2 = Peak not found by automatic integration algorithm.

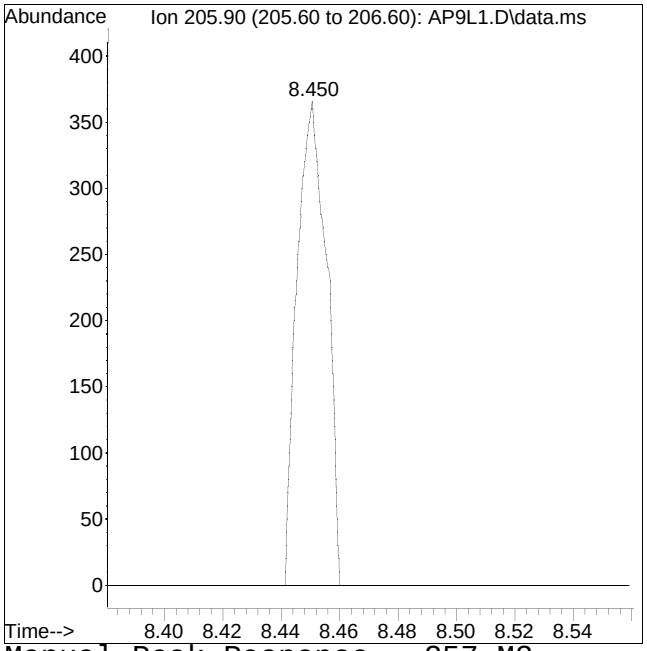
Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L1.D Operator : SV106:smz
Date Inj'd : 8/28/2025 3:07 am Instrument : SV 106
Sample : IL10,32,,AP9L0.1 Lot# 1193 Quant Date : 8/28/2025 10:51 am

Compound #84: Dichloran



Original Peak Response = 0



Manual Peak Response = 257 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ADPL9.D
Acq On : 28 Aug 2025 3:28 am
Operator : SV106:smz
Sample : IL2,32,,ADPL50 Lot# 11903
Misc : WG2108428,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 28 11:02:19 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	31585	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery =	100.32%		
86) IS3_Acenaphthene-d10	7.304	164	72015	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery =	103.51%		
100) IS3_Phenanthrene-d10	8.752	188	148512	4.000	ug/ml	# 0.00
Standard Area 2 = 139824			Recovery =	106.21%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.358	88	174690	46.407	ug/ml#	78
34) n-Decane	4.211	57	562885	49.185	ug/ml#	41
87) Atrazine	8.556	200	402666	60.133	ug/ml	94
101) n-Octadecane	8.764	57	917492	51.499	ug/ml#	1
102) Parathion	9.573	109	280896	51.384	ug/ml	98
103) 3,3'-Dimethylbenzidine	10.850	212	1749288	49.759	ug/ml	99

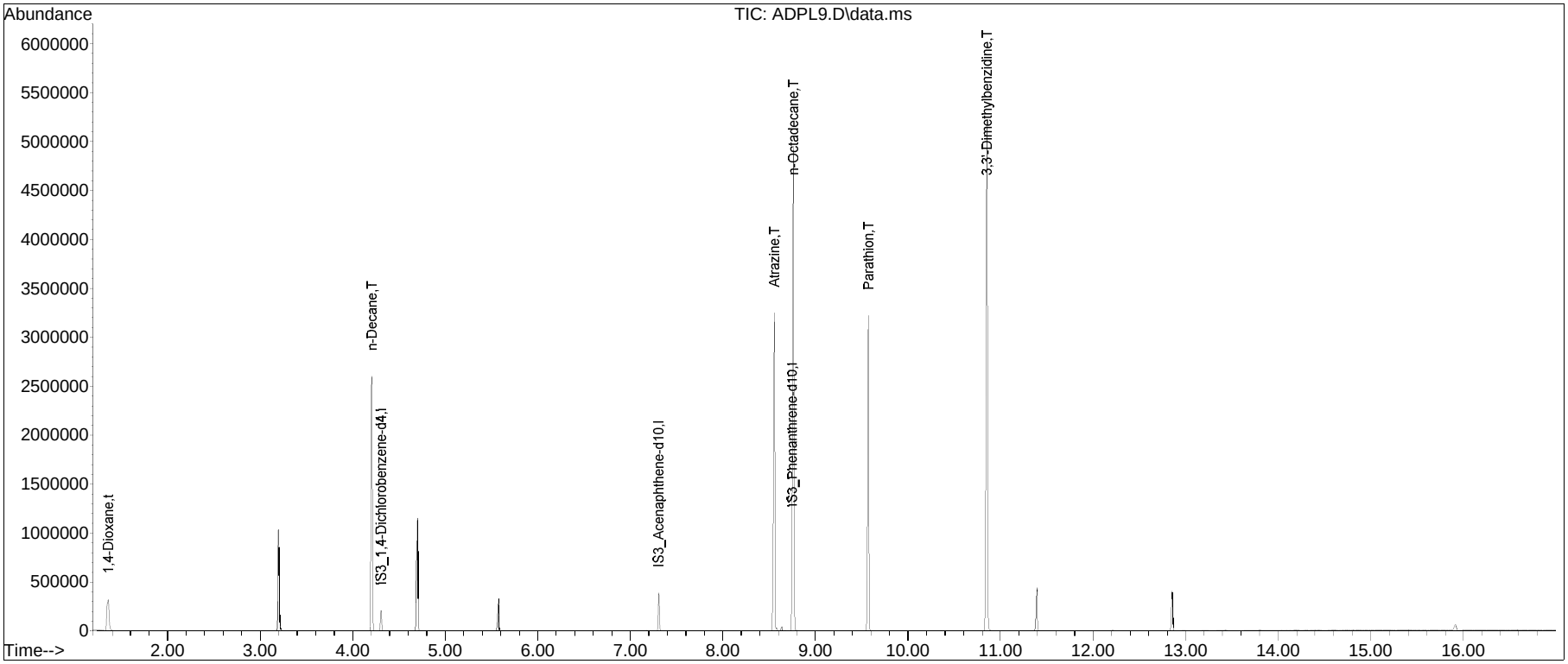
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ADPL9.D
Acq On : 28 Aug 2025 3:28 am
Operator : SV106:smz
Sample : IL2,32,,ADPL50 Lot# 11903
Misc : WG2108428,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 28 11:02:19 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250827ICAL\	QMethod	: FS250827SV106.m
Data File	: ADPL9.D	Operator	: SV106:smz
Date Inj'd	: 8/28/2025 3:28 am	Instrument	: SV 106
Sample	: IL2,32,,ADPL50 Lot# 11903	Quant Date	: 8/28/2025 11:03 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ADPL8.D
Acq On : 28 Aug 2025 3:50 am
Operator : SV106:smz
Sample : IL3,32,,ADPL25 Lot# 11904
Misc : WG2108428,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 28 11:02:08 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	31153	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery = 98.95%			
86) IS3_Acenaphthene-d10	7.304	164	69196	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery = 99.46%			
100) IS3_Phenanthrene-d10	8.752	188	140591	4.000	ug/ml	0.00
Standard Area 2 = 139824			Recovery = 100.55%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.351	88	89165	24.016	ug/ml#	78
34) n-Decane	4.208	57	289950	25.687	ug/ml#	40
87) Atrazine	8.550	200	193884	30.134	ug/ml	94
101) n-Octadecane	8.764	57	460307	27.293	ug/ml#	1
102) Parathion	9.566	109	130607	25.599	ug/ml	98
103) 3,3'-Dimethylbenzidine	10.847	212	847608	26.157	ug/ml	99

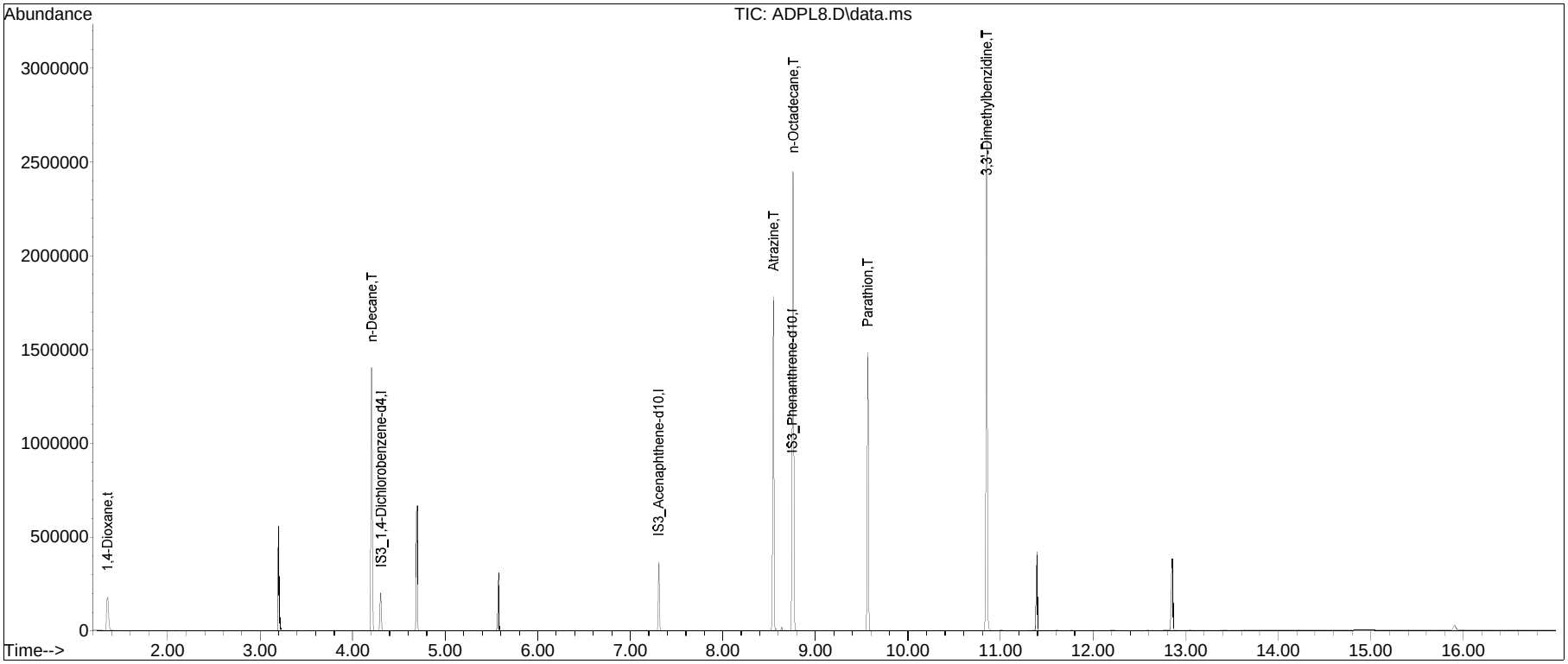
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ADPL8.D
Acq On : 28 Aug 2025 3:50 am
Operator : SV106:smz
Sample : IL3,32,,ADPL25 Lot# 11904
Misc : WG2108428,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 28 11:02:08 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250827ICAL\	QMethod	: FS250827SV106.m
Data File	: ADPL8.D	Operator	: SV106:smz
Date Inj'd	: 8/28/2025 3:50 am	Instrument	: SV 106
Sample	: IL3,32,,ADPL25 Lot# 11904	Quant Date	: 8/28/2025 11:02 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ADPL7.D
Acq On : 28 Aug 2025 4:11 am
Operator : SV106:smz
Sample : IL4,32,,ADPL10 Lot# 11905
Misc : WG2108428,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 28 11:01:57 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	33610	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery =	106.75%		
86) IS3_Acenaphthene-d10	7.304	164	73698	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery =	105.93%		
100) IS3_Phenanthrene-d10	8.752	188	150214	4.000	ug/ml	0.00
Standard Area 2 = 139824			Recovery =	107.43%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.361	88	35778	8.932	ug/ml#	79
34) n-Decane	4.208	57	114805	9.427	ug/ml#	40
87) Atrazine	8.544	200	72027	10.511	ug/ml	94
101) n-Octadecane	8.761	57	184423	10.234	ug/ml#	1
102) Parathion	9.566	109	44333	8.616	ug/ml	97
103) 3,3'-Dimethylbenzidine	10.844	212	281581	9.104	ug/ml	99

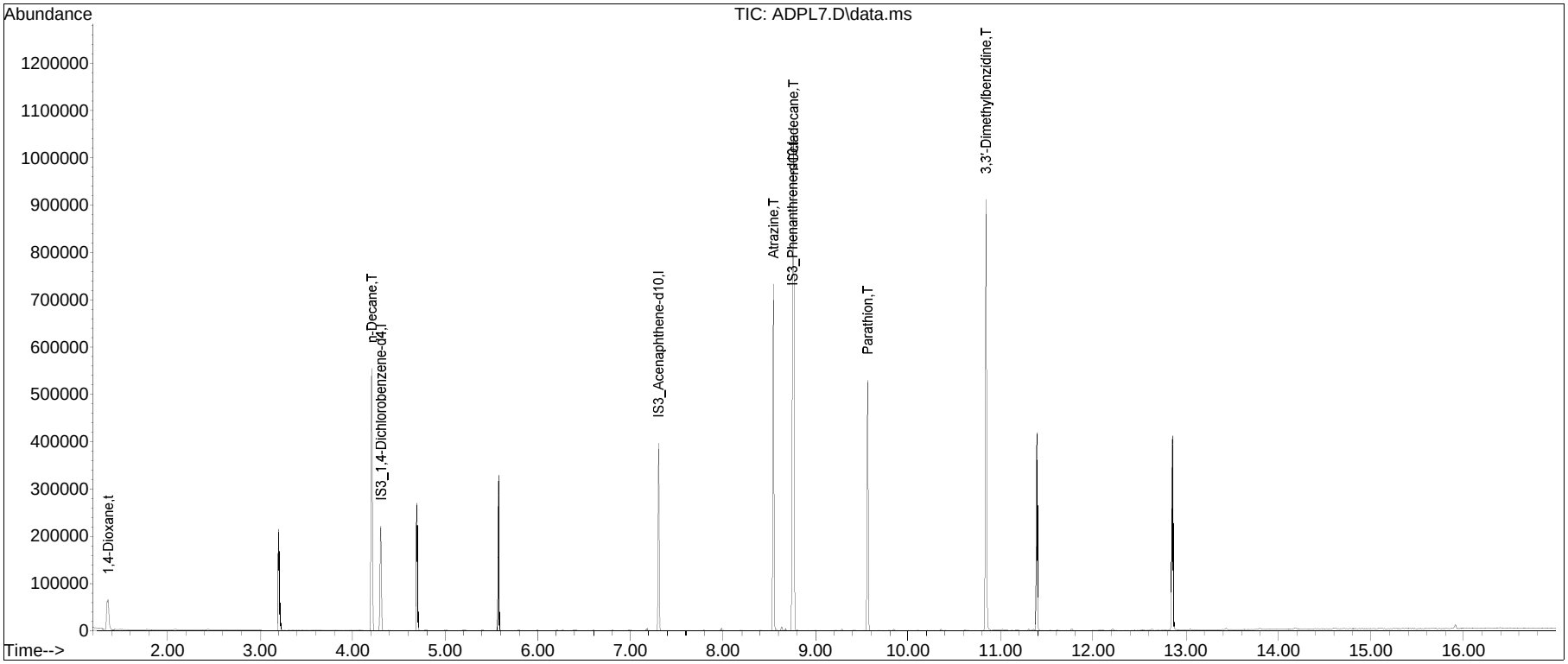
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ADPL7.D
Acq On : 28 Aug 2025 4:11 am
Operator : SV106:smz
Sample : IL4,32,,ADPL10 Lot# 11905
Misc : WG2108428,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 28 11:01:57 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250827ICAL\	QMethod	: FS250827SV106.m
Data File	: ADPL7.D	Operator	: SV106:smz
Date Inj'd	: 8/28/2025 4:11 am	Instrument	: SV 106
Sample	: IL4,32,,ADPL10 Lot# 11905	Quant Date	: 8/28/2025 11:02 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ADPL6.D
Acq On : 28 Aug 2025 4:32 am
Operator : SV106:smz
Sample : IL5,32,,ADPL5 Lot# 11906
Misc : WG2108428,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 28 11:01:22 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	31485	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery =	100.00%		
86) IS3_Acenaphthene-d10	7.304	164	69570	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery =	100.00%		
100) IS3_Phenanthrene-d10	8.752	188	139824	4.000	ug/ml #	0.00
Standard Area 2 = 139824			Recovery =	100.00%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.355	88	17792	4.742	ug/ml#	80
34) n-Decane	4.208	57	55937	4.903	ug/ml#	39
87) Atrazine	8.544	200	32791	5.069	ug/ml	93
101) n-Octadecane	8.761	57	85590	5.103	ug/ml#	1
102) Parathion	9.566	109	18787	4.309	ug/ml	96
103) 3,3'-Dimethylbenzidine	10.844	212	112678	4.718	ug/ml	99

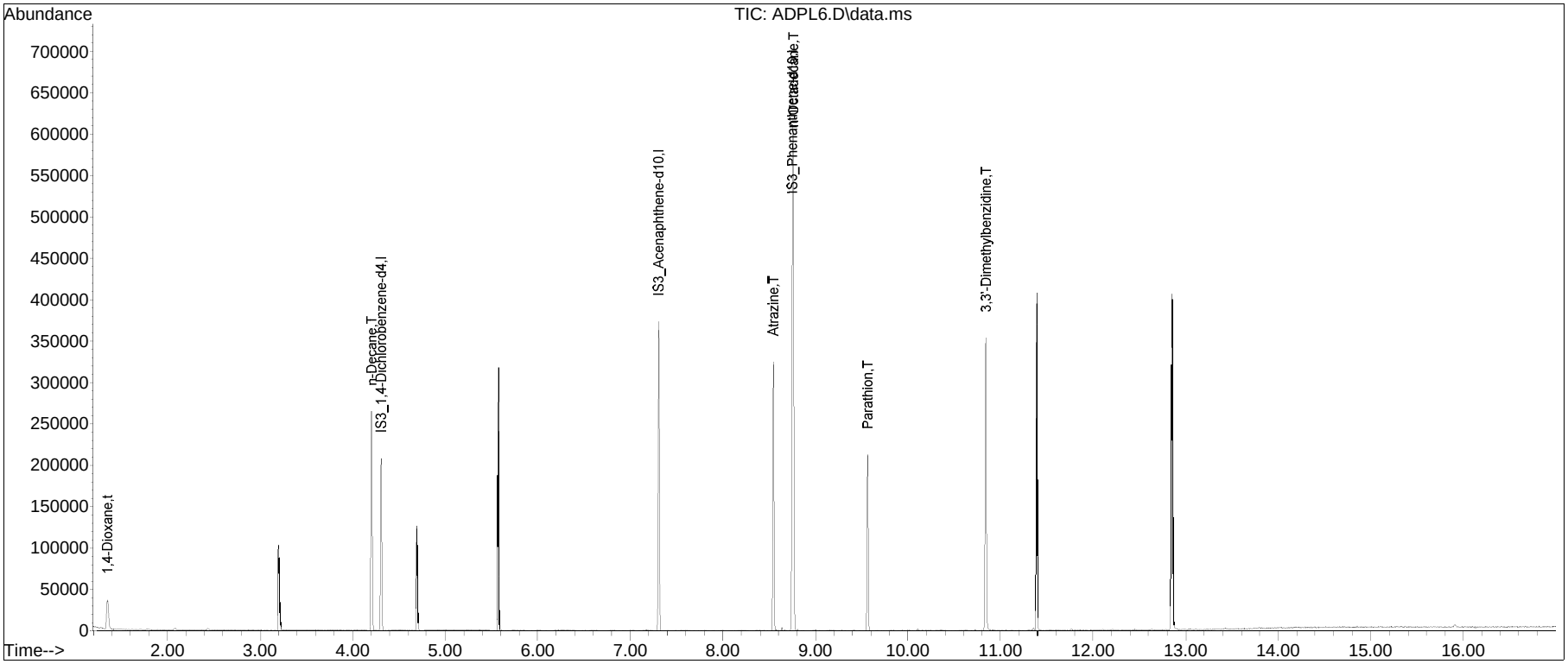
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ADPL6.D
Acq On : 28 Aug 2025 4:32 am
Operator : SV106:smz
Sample : IL5,32,,ADPL5 Lot# 11906
Misc : WG2108428,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 28 11:01:22 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250827ICAL\	QMethod	: FS250827SV106.m
Data File	: ADPL6.D	Operator	: SV106:smz
Date Inj'd	: 8/28/2025 4:32 am	Instrument	: SV 106
Sample	: IL5,32,,ADPL5 Lot# 11906	Quant Date	: 8/28/2025 11:02 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ADPL5.D
Acq On : 28 Aug 2025 4:54 am
Operator : SV106:smz
Sample : IL6,32,,ADPL2.5 Lot# 11907
Misc : WG2108428,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 28 11:01:10 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	32740	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery =	103.99%		
86) IS3_Acenaphthene-d10	7.304	164	72755	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery =	104.58%		
100) IS3_Phenanthrene-d10	8.752	188	144048	4.000	ug/ml	0.00
Standard Area 2 = 139824			Recovery =	103.02%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.352	88	9419	2.414	ug/ml#	81
34) n-Decane	4.208	57	28825	2.430	ug/ml#	37
87) Atrazine	8.541	200	16094	2.379	ug/ml	93
101) n-Octadecane	8.761	57	41584	2.406	ug/ml#	1
102) Parathion	9.566	109	8440	2.278	ug/ml	99
103) 3,3'-Dimethylbenzidine	10.841	212	47430	2.761	ug/ml	99

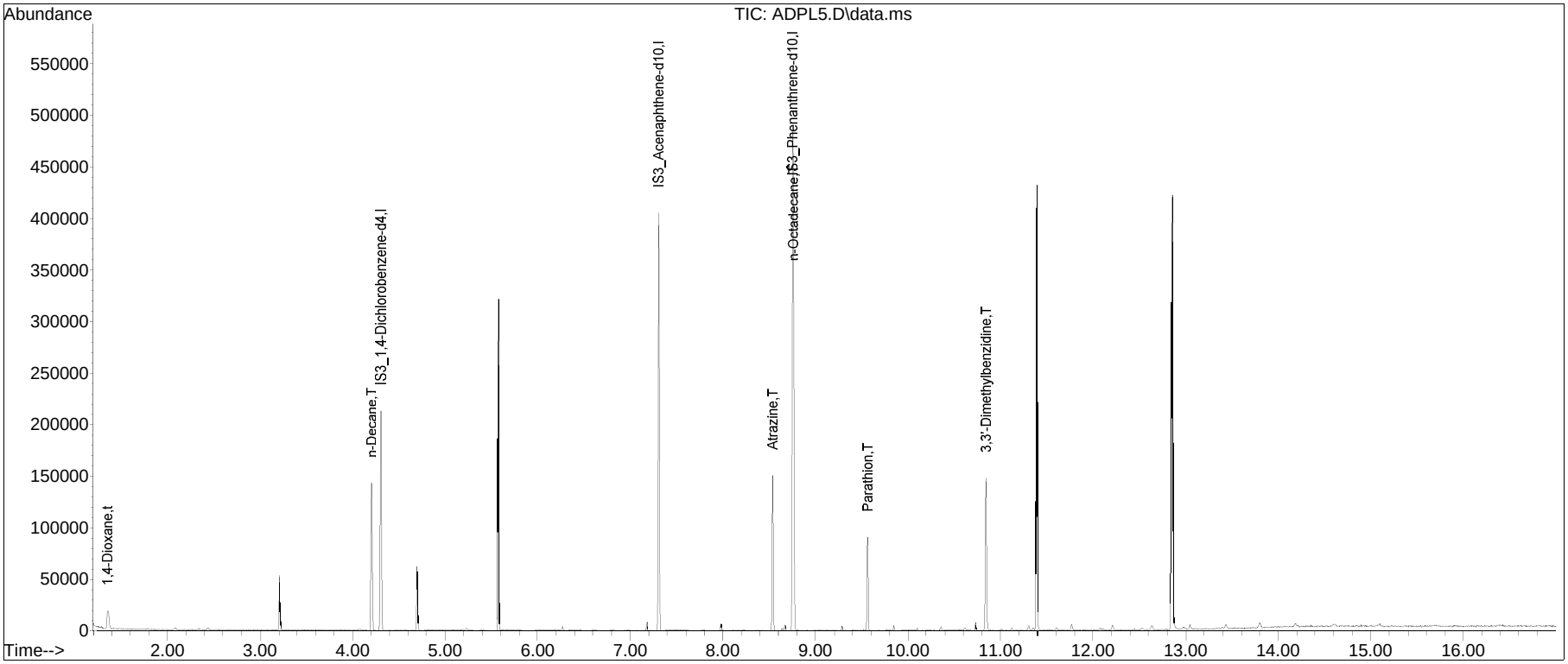
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ADPL5.D
Acq On : 28 Aug 2025 4:54 am
Operator : SV106:smz
Sample : IL6,32,,ADPL2.5 Lot# 11907
Misc : WG2108428,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 28 11:01:10 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250827ICAL\	QMethod	: FS250827SV106.m
Data File	: ADPL5.D	Operator	: SV106:smz
Date Inj'd	: 8/28/2025 4:54 am	Instrument	: SV 106
Sample	: IL6,32,,ADPL2.5 Lot# 11907	Quant Date	: 8/28/2025 11:01 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ADPL4.D
Acq On : 28 Aug 2025 5:15 am
Operator : SV106:smz
Sample : IL7,32,,ADPL1 Lot# 11908
Misc : WG2108428,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 28 11:01:00 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	32852	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery =	104.34%		
86) IS3_Acenaphthene-d10	7.304	164	73562	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery =	105.74%		
100) IS3_Phenanthrene-d10	8.752	188	146637	4.000	ug/ml	0.00
Standard Area 2 = 139824			Recovery =	104.87%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.361	88	4064	1.038	ug/ml#	78
34) n-Decane	4.211	57	11730	0.985	ug/ml#	38
87) Atrazine	8.541	200	6280	0.918	ug/ml	94
101) n-Octadecane	8.761	57	16833	0.957	ug/ml#	1
102) Parathion	9.563	109	3311	1.314	ug/ml	95
103) 3,3'-Dimethylbenzidine	10.841	212	12923	1.772	ug/ml	99

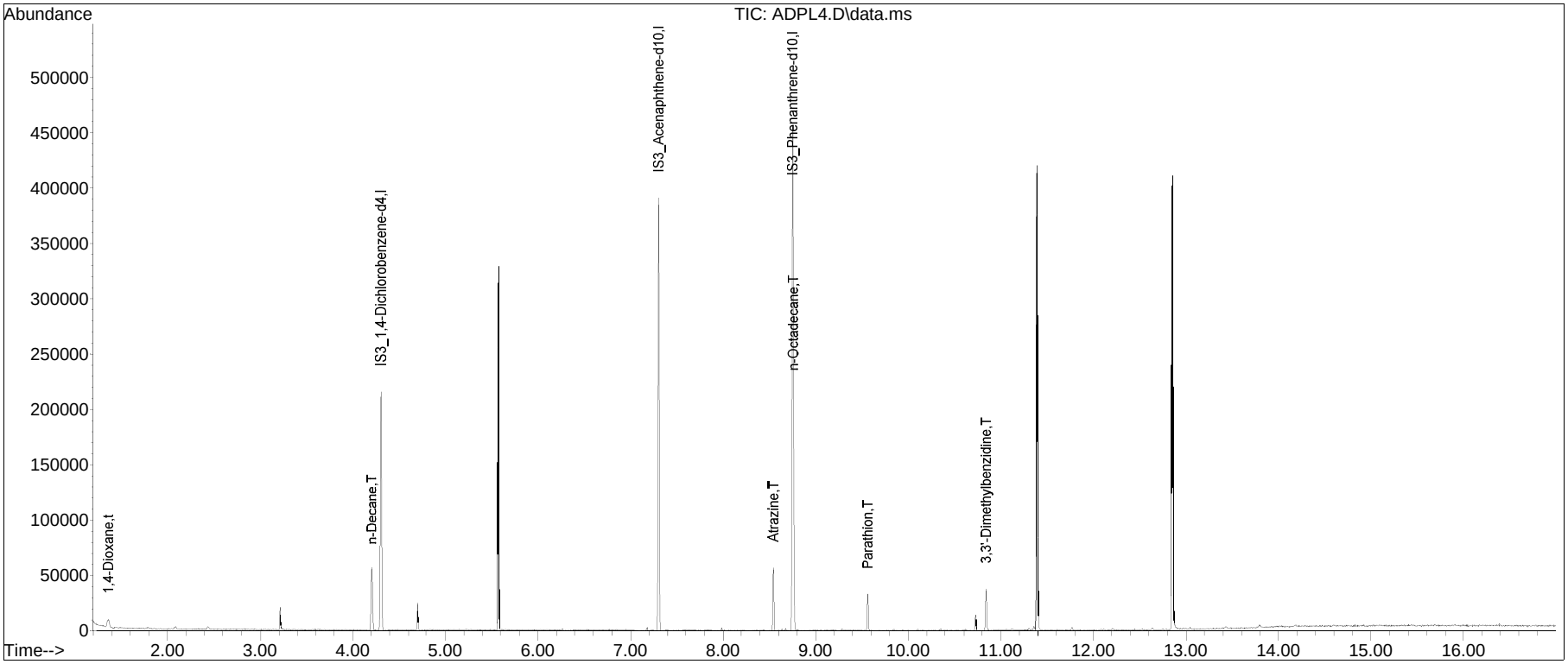
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ADPL4.D
Acq On : 28 Aug 2025 5:15 am
Operator : SV106:smz
Sample : IL7,32,,ADPL1 Lot# 11908
Misc : WG2108428,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 28 11:01:00 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250827ICAL\	QMethod	: FS250827SV106.m
Data File	: ADPL4.D	Operator	: SV106:smz
Date Inj'd	: 8/28/2025 5:15 am	Instrument	: SV 106
Sample	: IL7,32,,ADPL1 Lot# 11908	Quant Date	: 8/28/2025 11:01 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ADPL3.D
Acq On : 28 Aug 2025 5:36 am
Operator : SV106:smz
Sample : IL8,32,,ADPL0.5 Lot# 11909
Misc : WG2108428,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 28 11:00:50 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	32239	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery =	102.39%		
86) IS3_Acenaphthene-d10	7.303	164	71685	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery =	103.04%		
100) IS3_Phenanthrene-d10	8.752	188	143054	4.000	ug/ml	0.00
Standard Area 2 = 139824			Recovery =	102.31%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.354	88	1913M1	0.498	ug/ml	
34) n-Decane	4.208	57	5982	0.512	ug/ml#	39
87) Atrazine	8.540	200	3093	0.464	ug/ml	92
101) n-Octadecane	8.761	57	8380	0.488	ug/ml#	1
102) Parathion	9.563	109	1693	1.026	ug/ml	89
103) 3,3'-Dimethylbenzidine	10.840	212	2910	1.493	ug/ml#	62

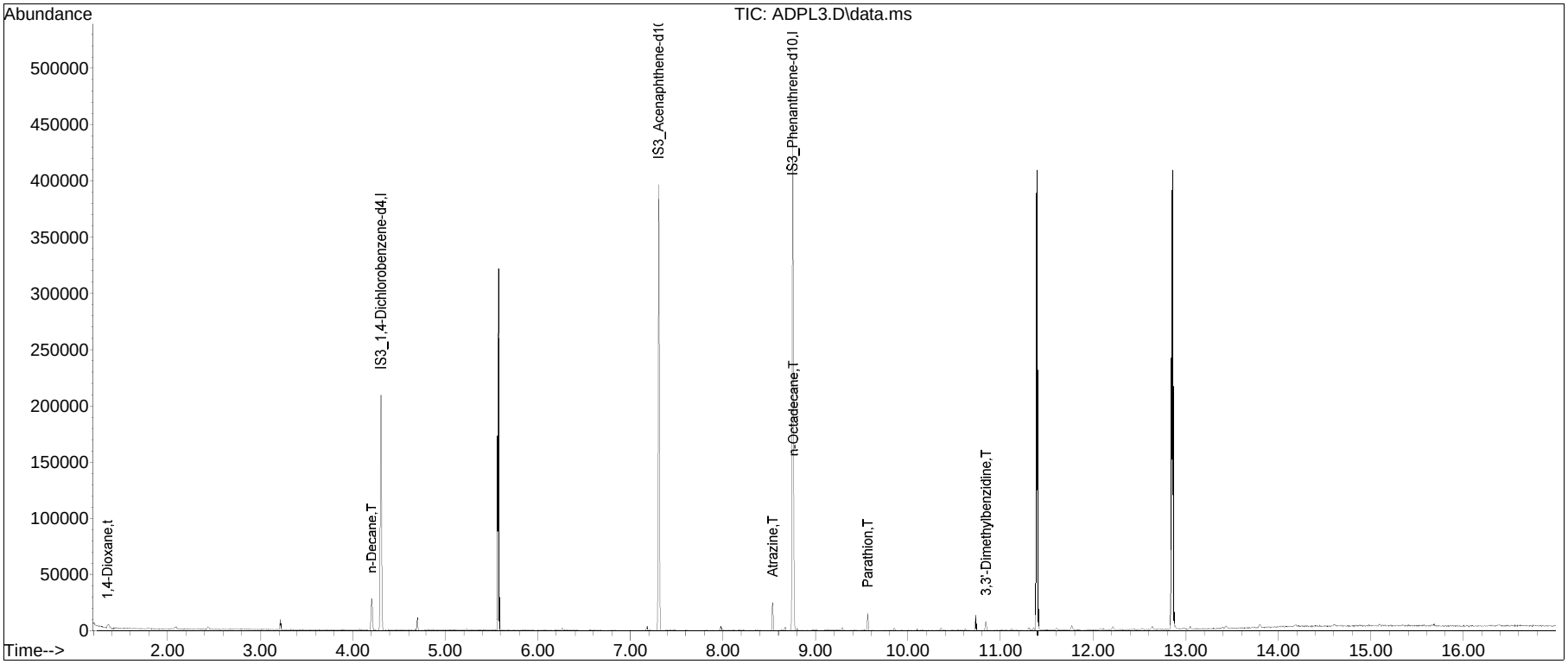
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ADPL3.D
Acq On : 28 Aug 2025 5:36 am
Operator : SV106:smz
Sample : IL8,32,,ADPL0.5 Lot# 11909
Misc : WG2108428,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 28 11:00:50 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

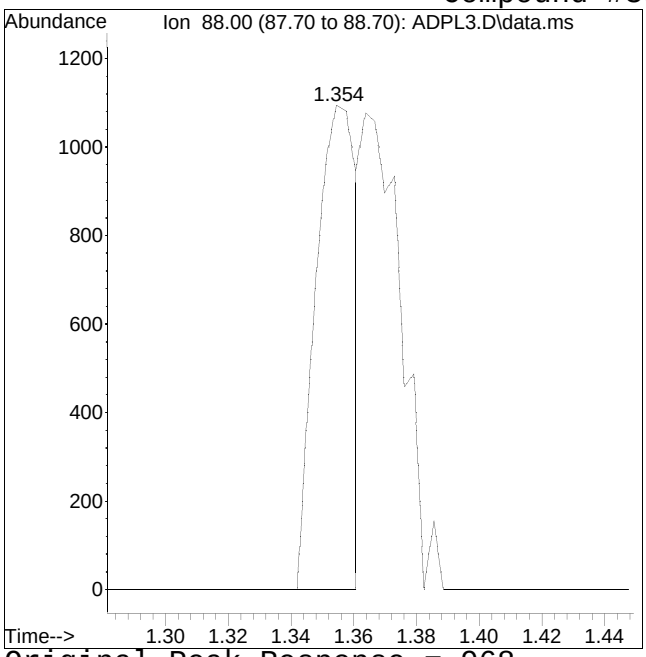
Sub List : ADPical_REV2 - ADP sublistAL\AP9L6.D•



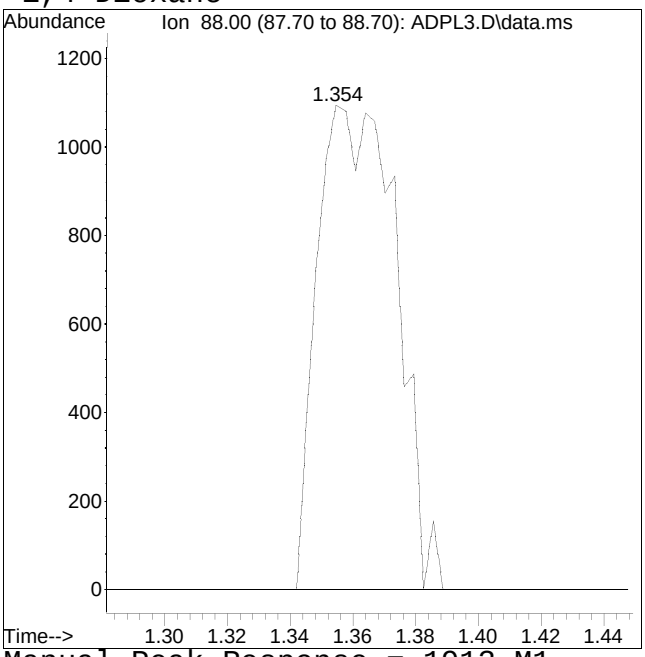
Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPL3.D Operator : SV106:smz
Date Inj'd : 8/28/2025 5:36 am Instrument : SV 106
Sample : IL8,32,,ADPL0.5 Lot# 11909 Quant Date : 8/28/2025 11:01 am

Compound #33: 1,4-Dioxane



Original Peak Response = 968



Manual Peak Response = 1913 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ADPL2.D
Acq On : 28 Aug 2025 5:58 am
Operator : SV106:smz
Sample : IL9,32,,ADPL0.2 Lot# 11910
Misc : WG2108428,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 28 11:00:39 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.301	152	32958	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery =	104.68%		
86) IS3_Acenaphthene-d10	7.304	164	74605	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery =	107.24%		
100) IS3_Phenanthrene-d10	8.752	188	147477	4.000	ug/ml	0.00
Standard Area 2 = 139824			Recovery =	105.47%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.361	88	998	0.254	ug/ml#	82
34) n-Decane	4.208	57	2586	0.217	ug/ml#	41
87) Atrazine	8.541	200	1247	0.180	ug/ml#	69
101) n-Octadecane	8.761	57	3536	0.200	ug/ml#	1
102) Parathion	9.563	109	596	0.817	ug/ml#	68
103) 3,3'-Dimethylbenzidine	0.000		0	N.D.		

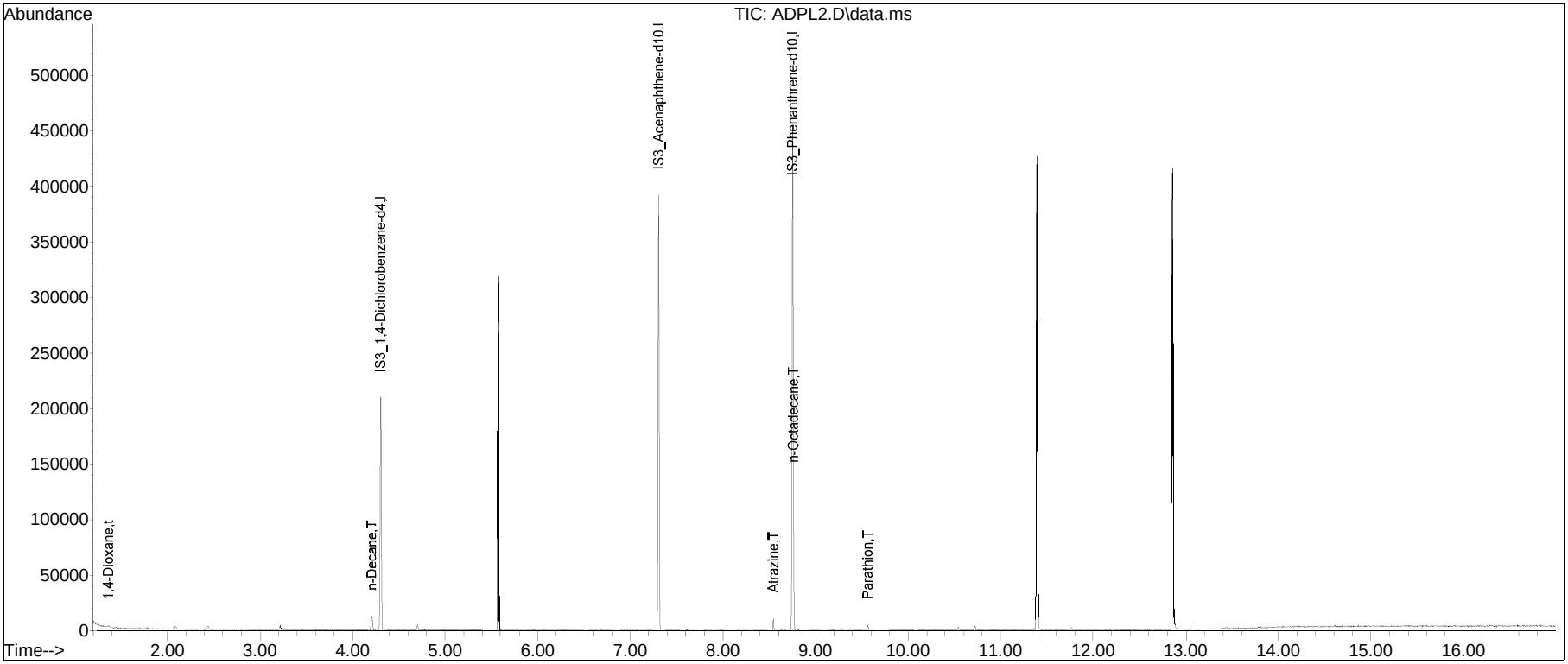
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ADPL2.D
Acq On : 28 Aug 2025 5:58 am
Operator : SV106:smz
Sample : IL9,32,,ADPL0.2 Lot# 11910
Misc : WG2108428,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 28 11:00:39 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250827ICAL\	QMethod	: FS250827SV106.m
Data File	: ADPL2.D	Operator	: SV106:smz
Date Inj'd	: 8/28/2025 5:58 am	Instrument	: SV 106
Sample	: IL9,32,,ADPL0.2 Lot# 11910	Quant Date	: 8/28/2025 11:00 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ADPL1.D
Acq On : 28 Aug 2025 6:19 am
Operator : SV106:smz
Sample : IL10,32,,ADPL0.1 Lot# 11911
Misc : WG2108428,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 28 10:59:58 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	33445	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery =	106.23%		
86) IS3_Acenaphthene-d10	7.304	164	74969	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery =	107.76%		
100) IS3_Phenanthrene-d10	8.752	188	149354	4.000	ug/ml	# 0.00
Standard Area 2 = 139824			Recovery =	106.82%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	0.000		0	N.D.		
34) n-Decane	4.208	57	1213	0.100	ug/ml#	38
87) Atrazine	8.541	200	579	0.083	ug/ml#	33
101) n-Octadecane	8.761	57	1682	0.094	ug/ml#	1
102) Parathion	0.000		0	N.D.		
103) 3,3'-Dimethylbenzidine	0.000		0	N.D.		

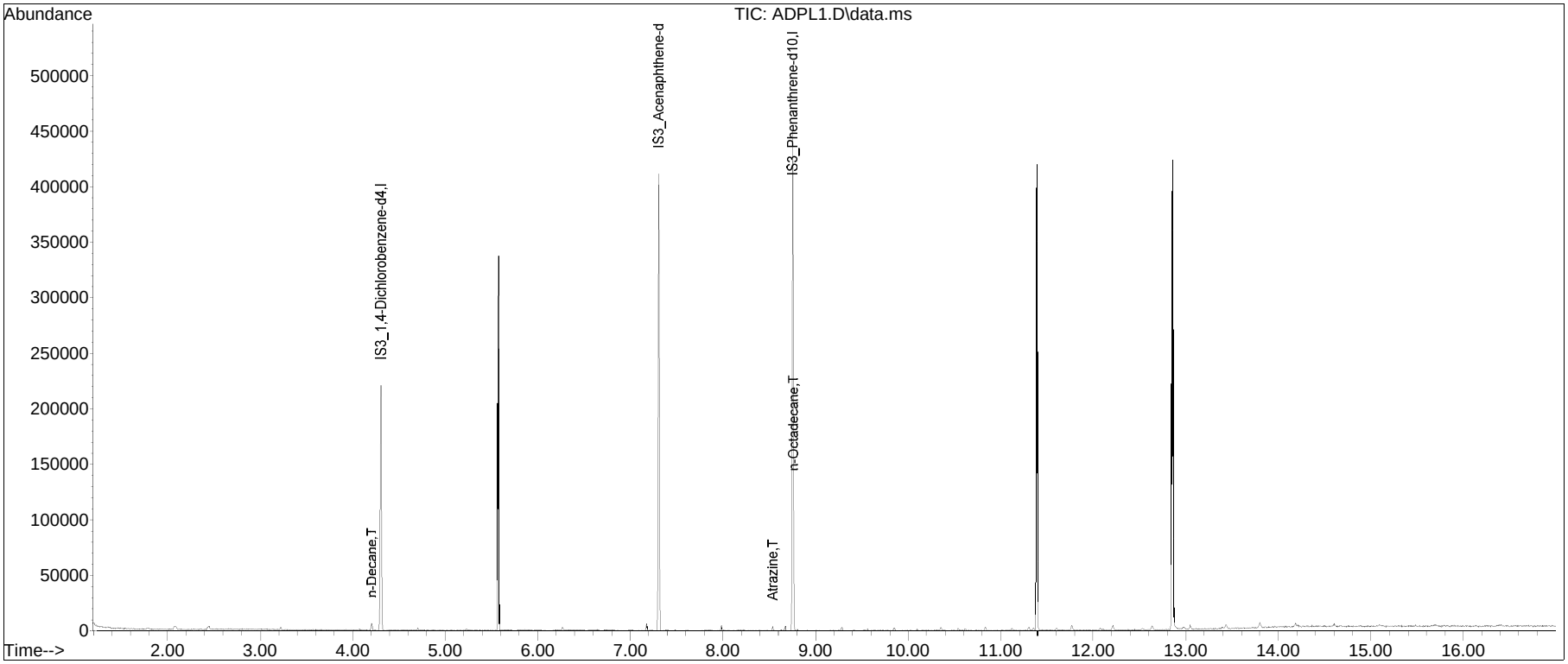
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ADPL1.D
Acq On : 28 Aug 2025 6:19 am
Operator : SV106:smz
Sample : IL10,32,,ADPL0.1 Lot# 11911
Misc : WG2108428,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 28 10:59:58 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250827ICAL\	QMethod	: FS250827SV106.m
Data File	: ADPL1.D	Operator	: SV106:smz
Date Inj'd	: 8/28/2025 6:19 am	Instrument	: SV 106
Sample	: IL10,32,,ADPL0.1 Lot# 1191	Quant Date	: 8/28/2025 11:00 am

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

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9ICV.D
Acq On : 28 Aug 2025 6:40 am
Operator : SV106:smz
Sample : CQICV2,32,,AP9ICV Lot# 11932
Misc : WG2108428,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 28 10:55:46 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
28	T	Benzaldehyde	0.645	0.666	-3.3	98	0.00
29	T	Acetophenone	1.905	1.855	2.6	93	0.00
30	T	m-Toluidine	1.123	1.230	-9.5	95	0.00
31	T	2-Chloroaniline	1.724	1.729	-0.3	93	0.00
55	I	IS2_Naphthalene-d8	1.000	1.000	0.0	95	0.00
56	T	a-Terpineol	0.267	0.244	8.6	87	0.00
57	T	3-Chloroaniline	0.114	0.118	-3.5	91	0.00
58	T	2,6-Dichlorophenol	0.285	0.274	3.9	90	0.00
59	T	1-chloro-2-nitrobenzene	0.135	0.130	3.7	90	0.00
60	T	Caprolactam	0.142	0.137	3.5	88	0.00
61	T	1,2,4,5-Tetrachlorobenzene	0.373	0.358	4.0	93	0.00
62	T	Biphenyl	0.931	0.893	4.1	93	0.00
83	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	95	0.00
84	T	Dichloran	0.158	0.147	7.0	87	0.00
85	T	Pentachloronitrobenzene	0.154	0.152	1.3	88	0.00
98	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	95	0.00
99	T	Diphenamid	0.487	0.493	-1.2	92	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9ICV.D
Acq On : 28 Aug 2025 6:40 am
Operator : SV106:smz
Sample : CQICV2,32,,AP9ICV Lot# 11932
Misc : WG2108428,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 28 10:55:46 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	29013	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery = 93.74%			
55) IS2_Naphthalene-d8	5.572	136	115892	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery = 94.67%			
83) IS2_Acenaphthene-d10	7.304	164	67184	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery = 95.03%			
98) IS2_Phenanthrene-d10	8.752	188	135766	4.000	ug/ml #	0.00
Standard Area 3 = 142347			Recovery = 95.38%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.854	105	24138	5.160	ug/ml	91
29) Acetophenone	4.724	105	67278	4.869	ug/ml#	81
30) m-Toluidine	4.811	106	44605	5.478	ug/ml	96
31) 2-Chloroaniline	5.175	127	62713	5.016	ug/ml#	90
56) a-Terpineol	5.644	59	35384	4.573	ug/ml#	79
57) 3-Chloroaniline	5.653	65	17114	5.162	ug/ml	87
58) 2,6-Dichlorophenol	5.678	162	39717	4.807	ug/ml#	84
59) 1-chloro-2-nitrobenzene	5.936	111	18837	4.825	ug/ml#	1
60) Caprolactam	5.976	55	19888	4.842	ug/ml#	76
61) 1,2,4,5-Tetrachloroben...	6.458	216	51803	4.792	ug/ml	97
62) Biphenyl	6.760	154	129304	4.794	ug/ml	98
84) Dichloran	8.454	206	12363	4.648	ug/ml#	70
85) Pentachloronitrobenzene	8.600	237	12733	4.911	ug/ml#	85
99) Diphenamid	9.688	167	83713	5.067	ug/ml#	80

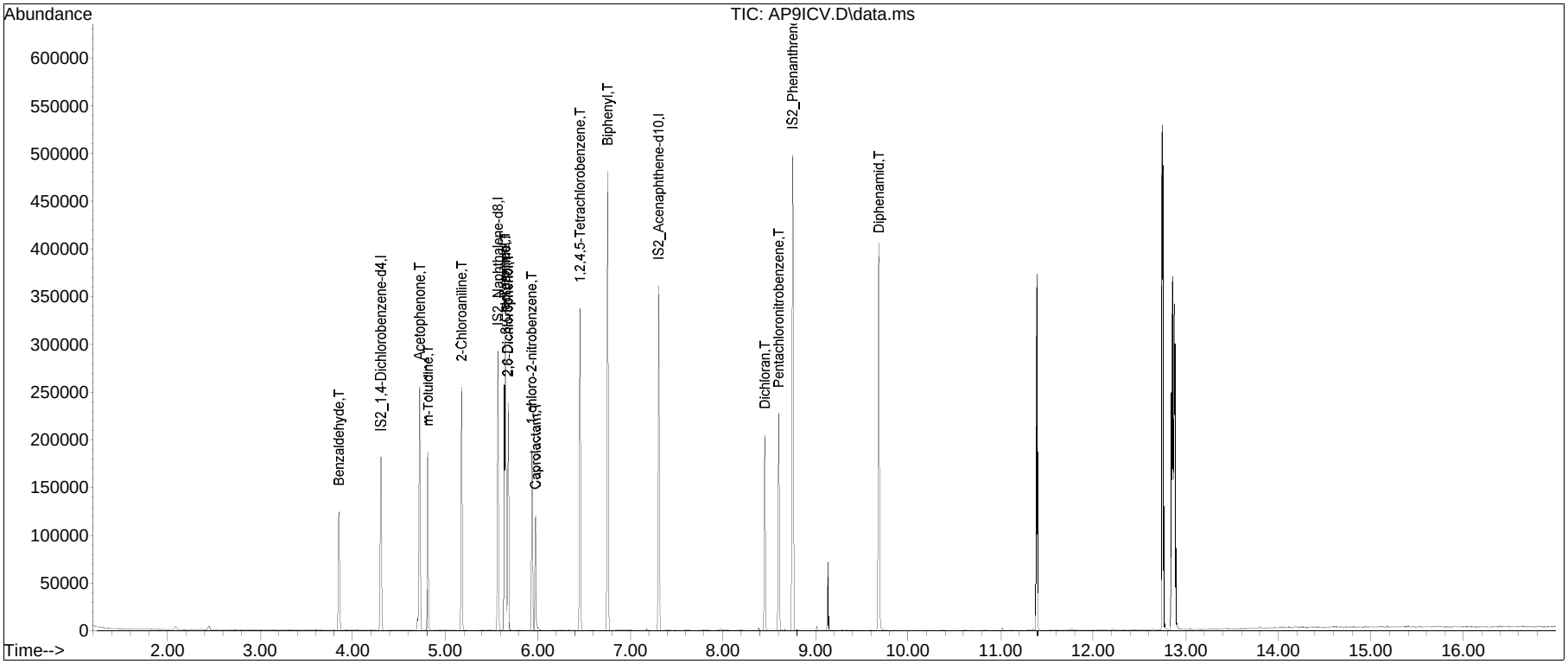
(#) = qualifier out of range (m) = manual integration (+) = signals summed

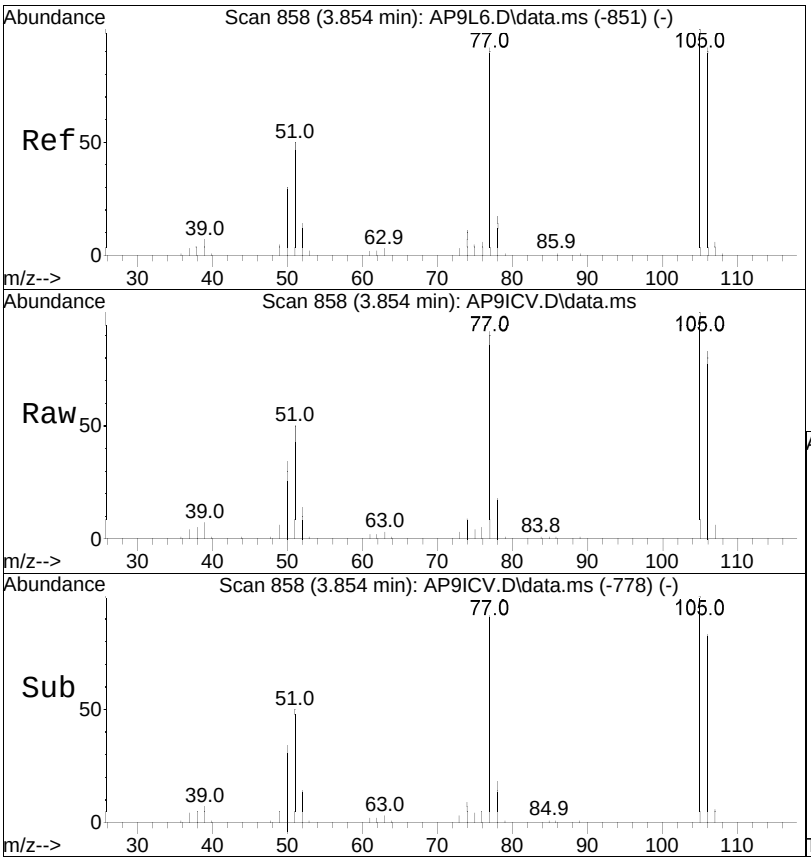
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9ICV.D
Acq On : 28 Aug 2025 6:40 am
Operator : SV106:smz
Sample : CQICV2,32,,AP9ICV Lot# 11932
Misc : WG2108428,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 28 10:55:46 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistAL\AP9L6.D•

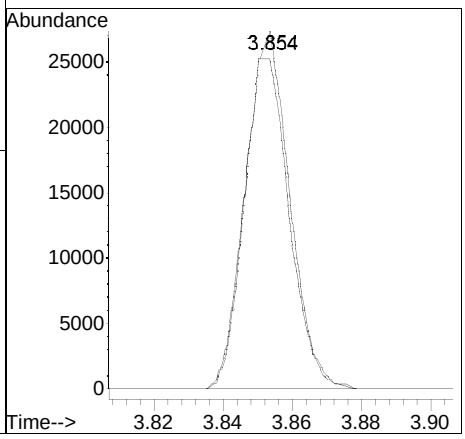


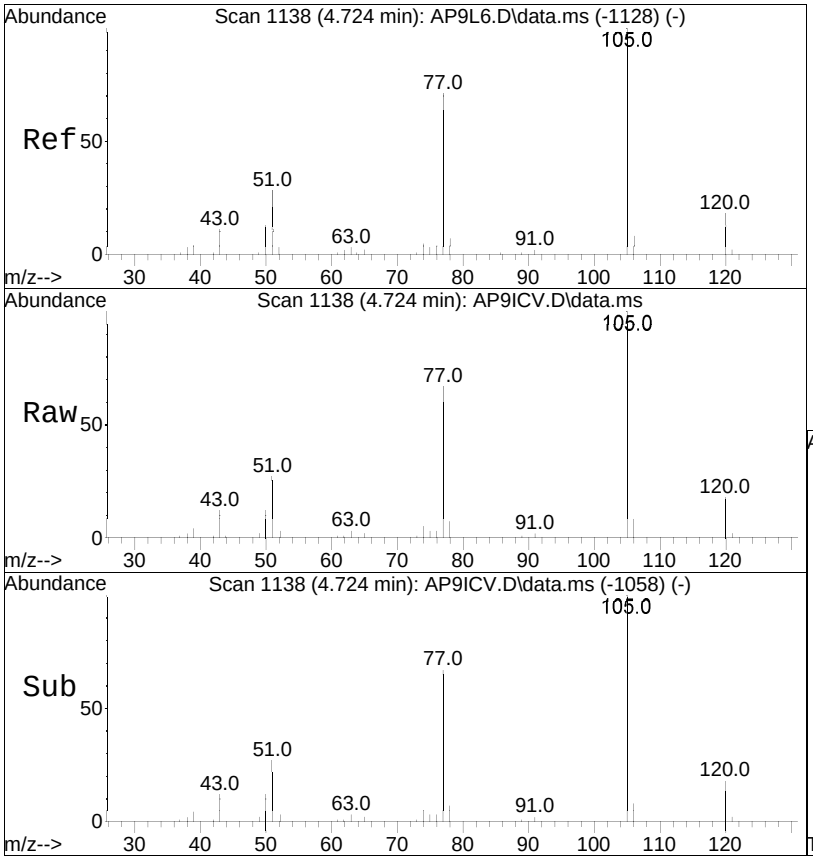


#28
Benzaldehyde
Concen: 5.16 ug/ml
RT: 3.854 min Scan# 858
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 28 Aug 2025 6:40 am

Tgt Ion:105 Resp: 24138

Ion	Ratio	Lower	Upper
105	100		
77	93.4	82.2	123.4

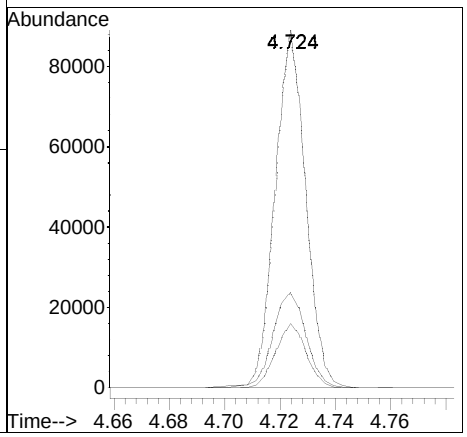


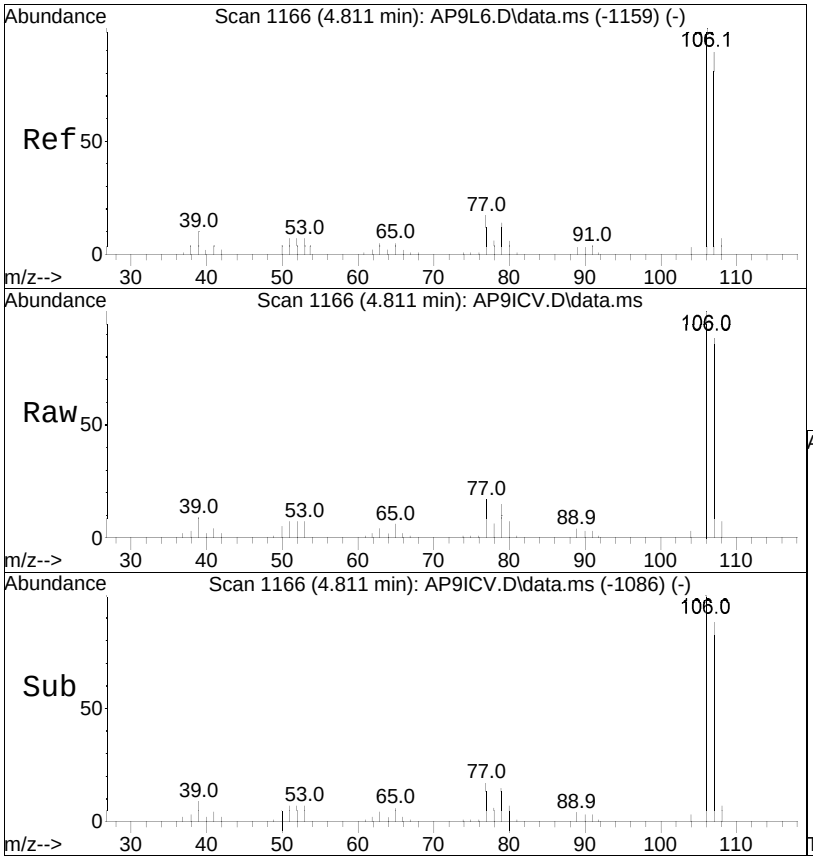


#29
Acetophenone
Concen: 4.87 ug/ml
RT: 4.724 min Scan# 1138
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 28 Aug 2025 6:40 am

Tgt Ion:105 Resp: 67278

Ion	Ratio	Lower	Upper
105	100		
120	18.1	20.5	30.7#
51	29.6	34.9	52.3#

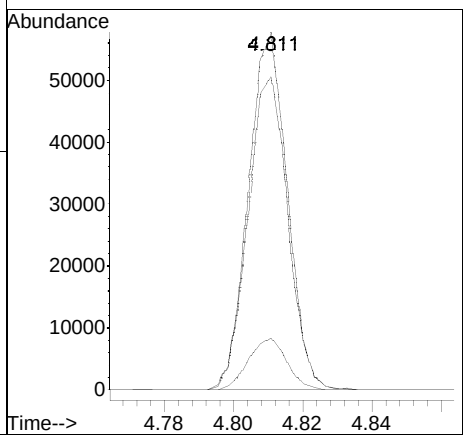


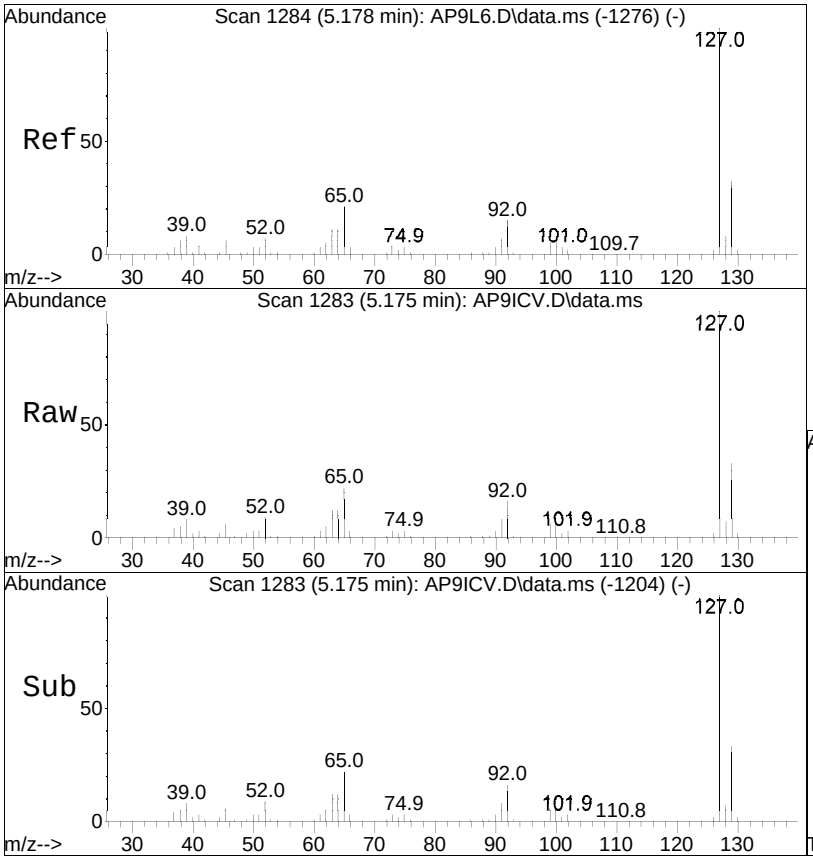


#30
m-Toluidine
Concen: 5.48 ug/ml
RT: 4.811 min Scan# 1166
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 28 Aug 2025 6:40 am

Tgt Ion:106 Resp: 44605

Ion	Ratio	Lower	Upper
106	100		
107	90.0	75.7	113.5
79	14.3	11.8	17.8

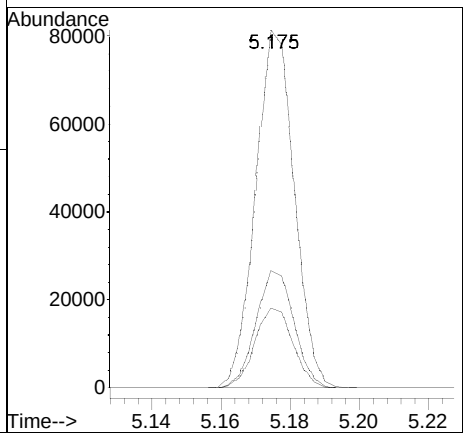


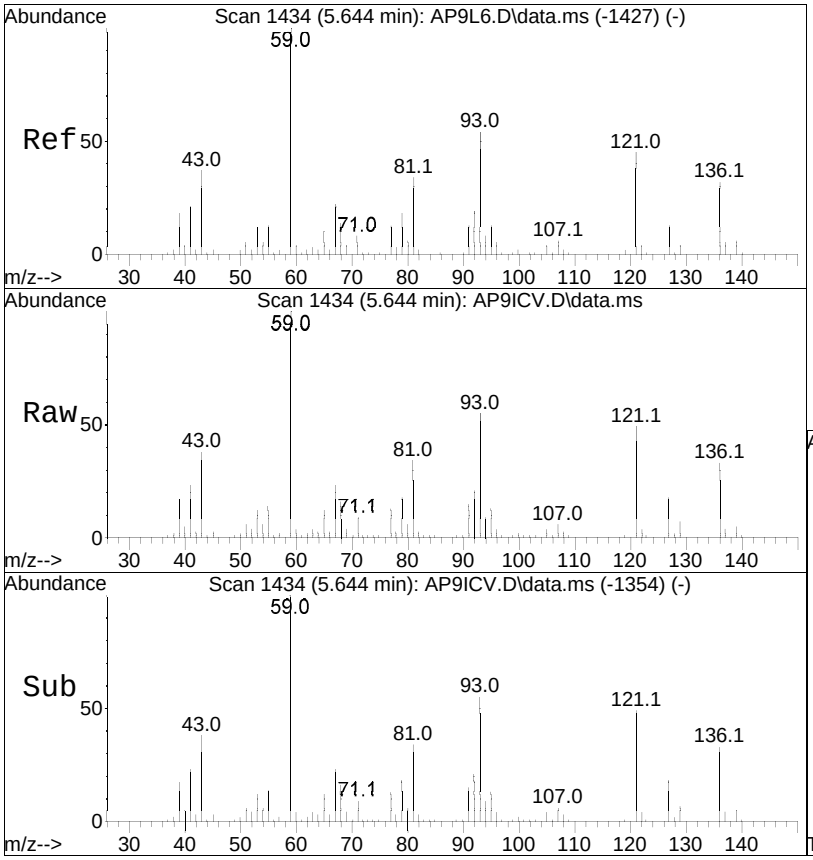


#31
2-Chloroaniline
Concen: 5.02 ug/ml
RT: 5.175 min Scan# 1283
Delta R.T. -0.003 min
Lab File: AP9ICV.D
Acq: 28 Aug 2025 6:40 am

Tgt Ion:127 Resp: 62713

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.9	38.9
65	22.2	26.3	39.5#

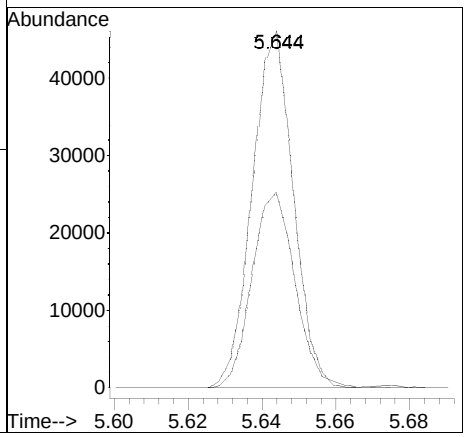


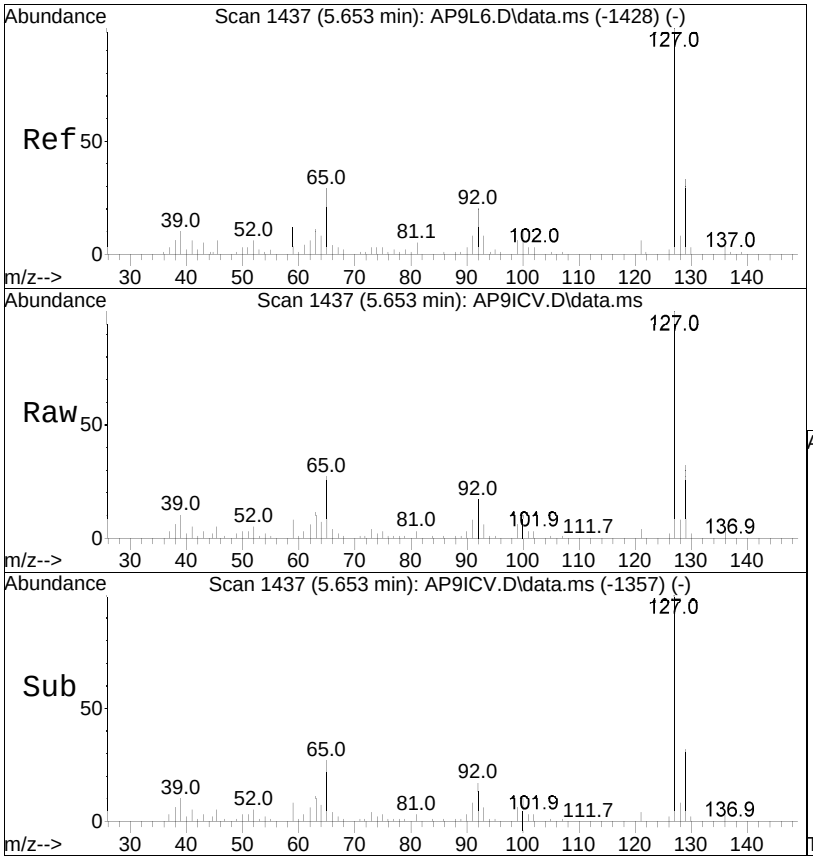


#56
a-Terpineol
Concen: 4.57 ug/ml
RT: 5.644 min Scan# 1434
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 28 Aug 2025 6:40 am

Tgt Ion: 59 Resp: 35384

Ion	Ratio	Lower	Upper
59	100		
93	58.0	35.6	53.4#

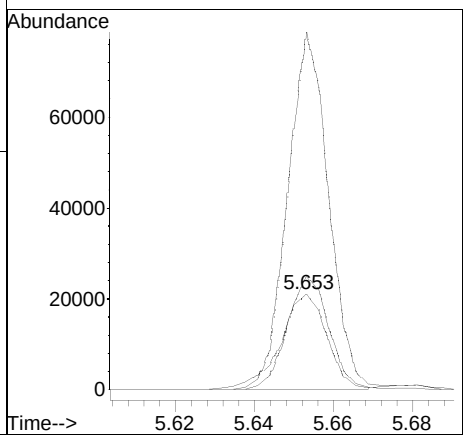


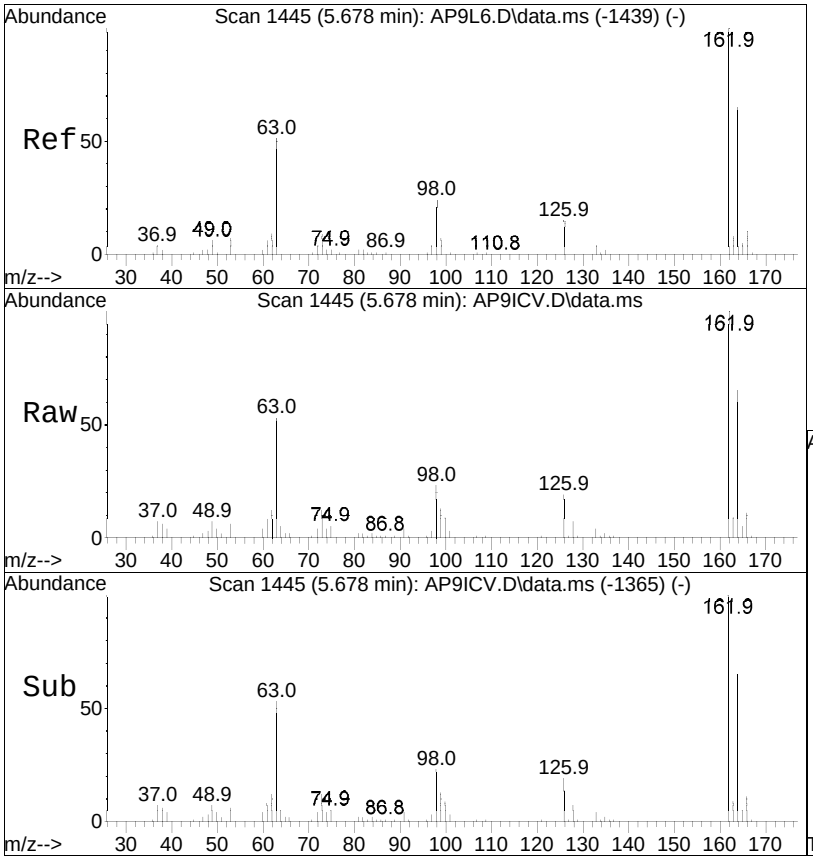


#57
3-Chloroaniline
Concen: 5.16 ug/ml
RT: 5.653 min Scan# 1437
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 28 Aug 2025 6:40 am

Tgt Ion: 65 Resp: 17114

Ion	Ratio	Lower	Upper
65	100		
127	331.5	243.2	364.8
129	106.8	78.8	118.2

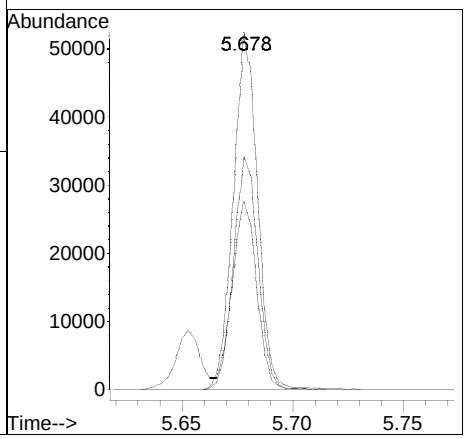


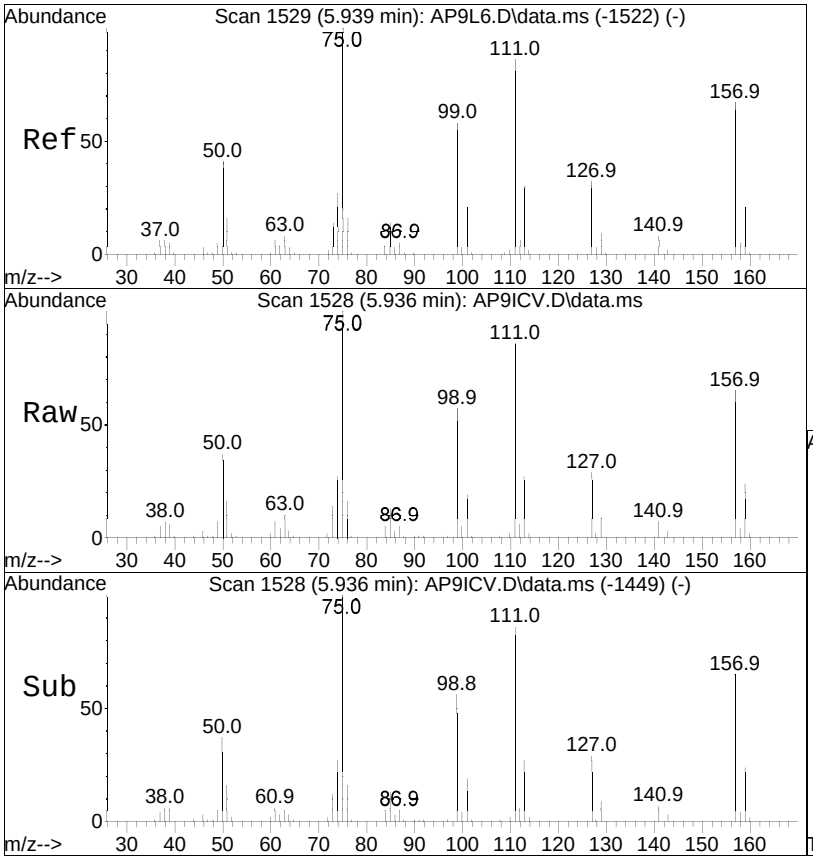


#58
2,6-Dichlorophenol
Concen: 4.81 ug/ml
RT: 5.678 min Scan# 1445
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 28 Aug 2025 6:40 am

Tgt Ion:162 Resp: 39717

Ion	Ratio	Lower	Upper
162	100		
164	65.6	51.1	76.7
63	53.0	60.8	91.2#

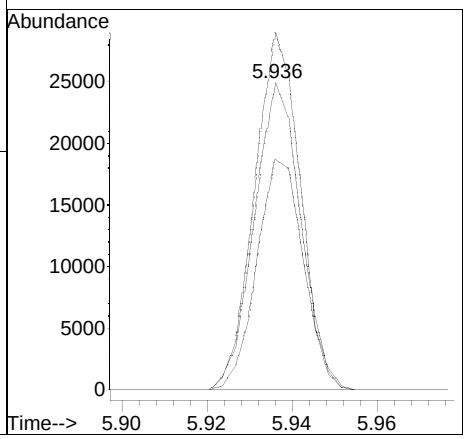


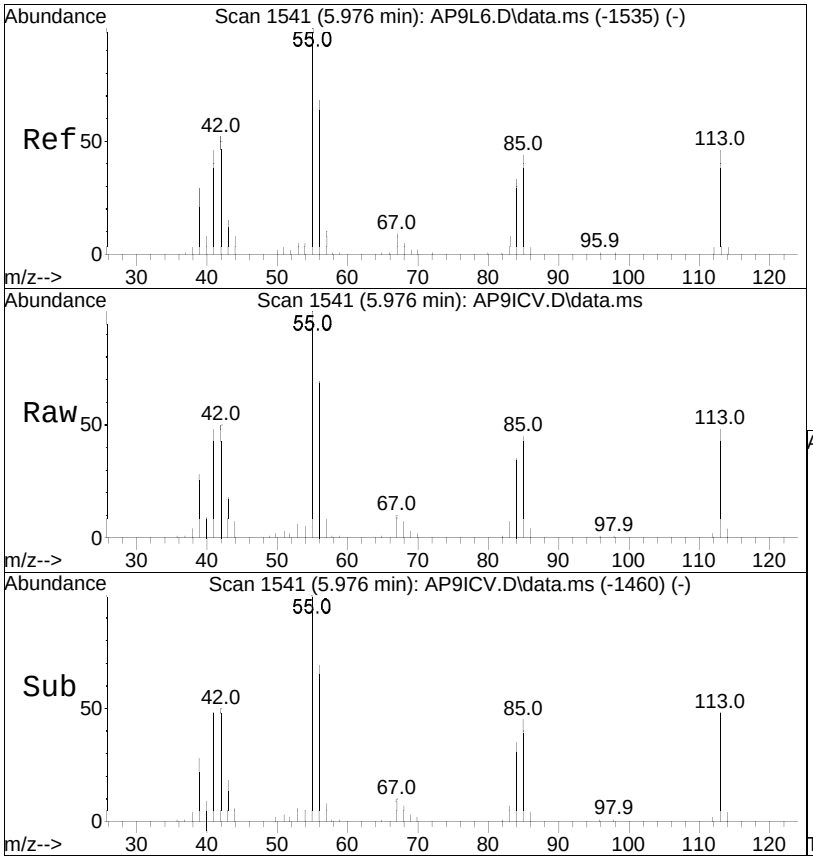


#59
1-chloro-2-nitrobenzene
Concen: 4.83 ug/ml
RT: 5.936 min Scan# 1528
Delta R.T. -0.003 min
Lab File: AP9ICV.D
Acq: 28 Aug 2025 6:40 am

Tgt Ion:111 Resp: 18837

Ion	Ratio	Lower	Upper
111	100		
157	75.2	0.0	0.0#
75	114.6	28.2	42.2#

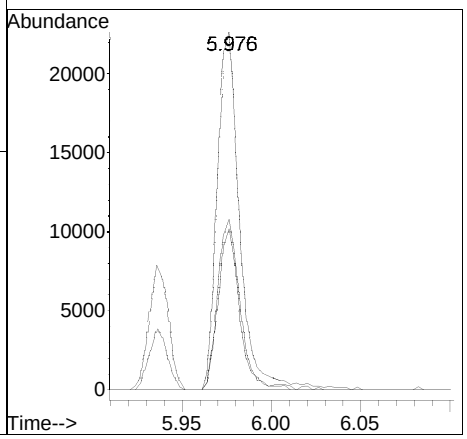


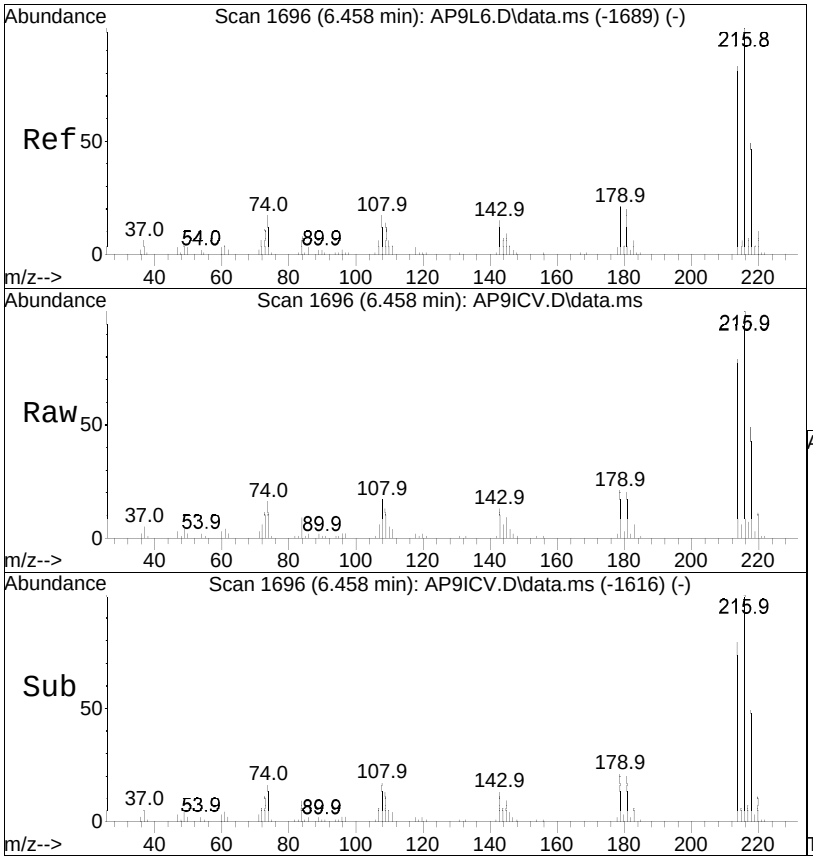


#60
Caprolactam
Concen: 4.84 ug/ml
RT: 5.976 min Scan# 1541
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 28 Aug 2025 6:40 am

Tgt Ion: 55 Resp: 19888

Ion	Ratio	Lower	Upper
55	100		
85	43.0	19.8	29.6#
113	46.6	29.6	44.4#

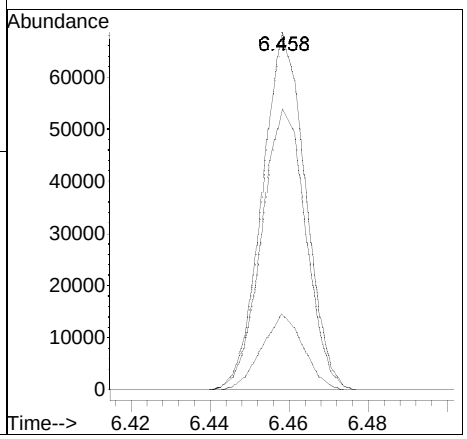


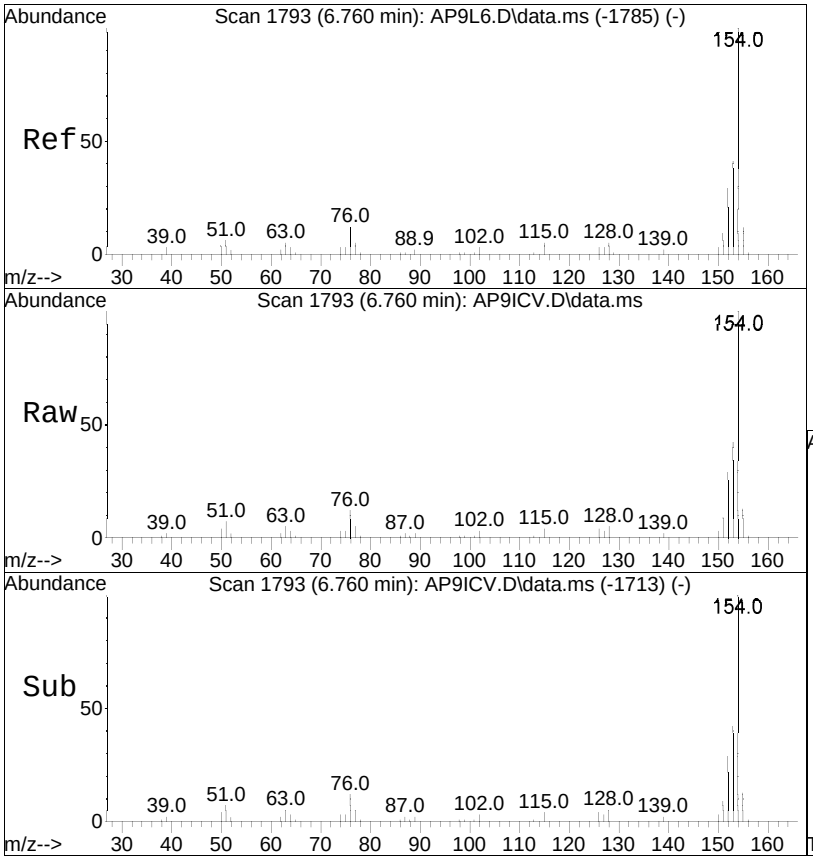


#61
1,2,4,5-Tetrachlorobenzene
Concen: 4.79 ug/ml
RT: 6.458 min Scan# 1696
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 28 Aug 2025 6:40 am

Tgt Ion:216 Resp: 51803

Ion	Ratio	Lower	Upper
216	100		
214	80.7	63.7	95.5
179	20.6	19.0	28.6

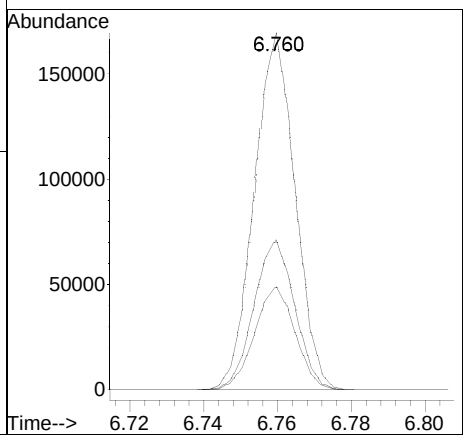


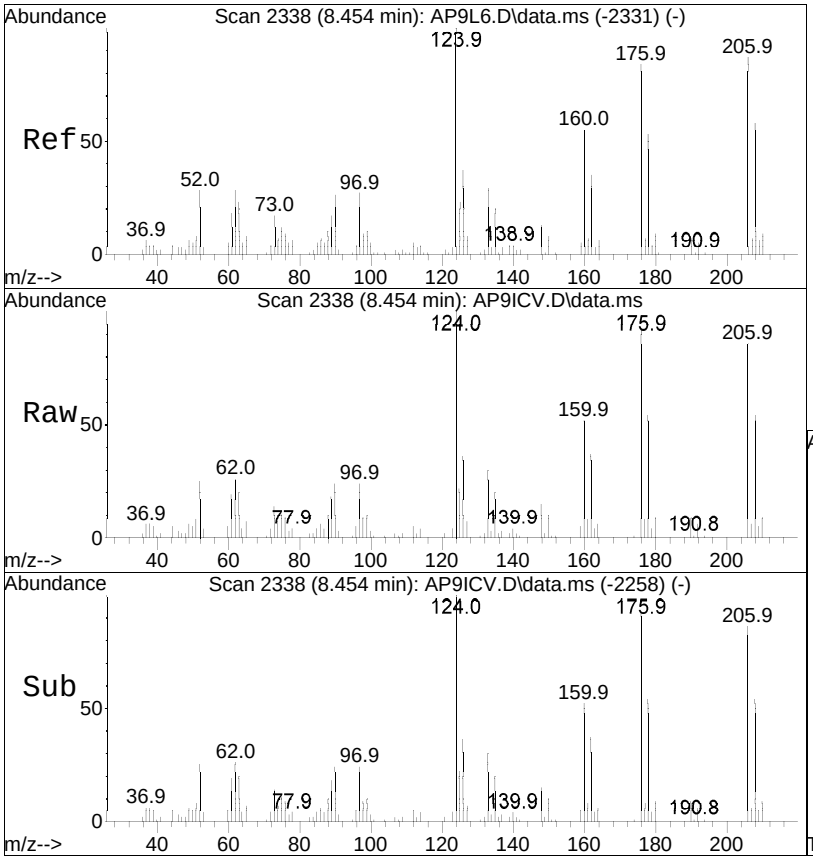


#62
Biphenyl
Concen: 4.79 ug/ml
RT: 6.760 min Scan# 1793
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 28 Aug 2025 6:40 am

Tgt Ion:154 Resp: 129304

Ion	Ratio	Lower	Upper
154	100		
153	42.2	32.3	48.5
152	28.9	22.5	33.7

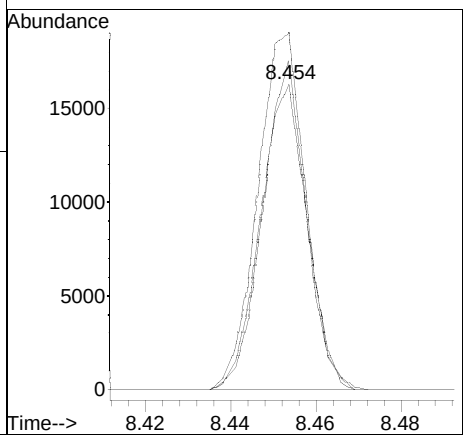


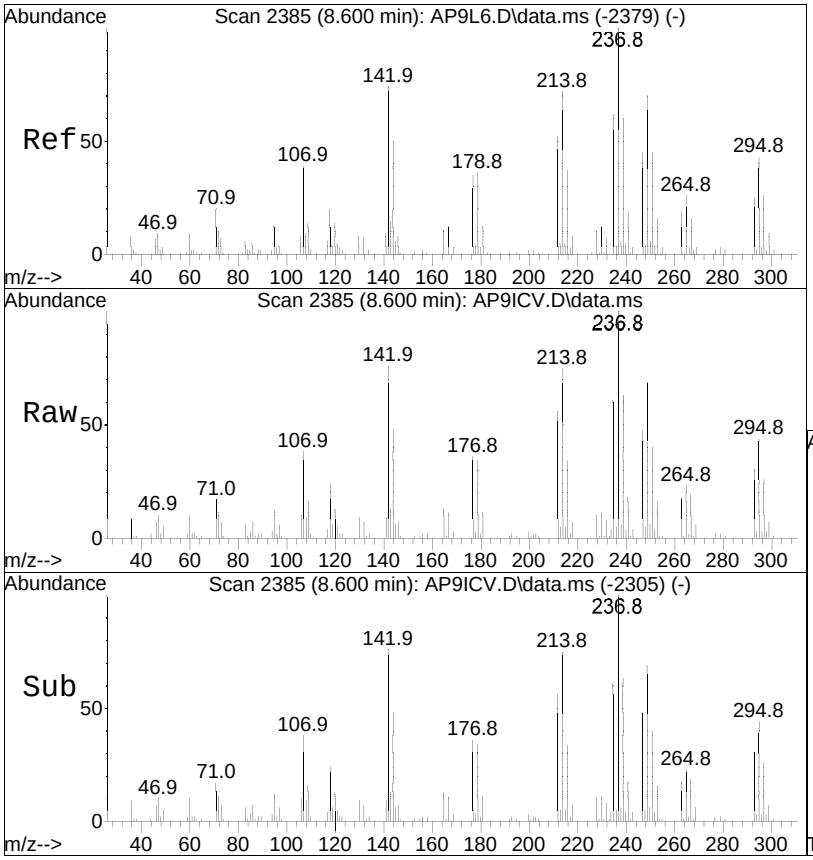


#84
Dichloran
Concen: 4.65 ug/ml
RT: 8.454 min Scan# 2338
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 28 Aug 2025 6:40 am

Tgt Ion:206 Resp: 12363

Ion	Ratio	Lower	Upper
206	100		
176	100.1	104.6	157.0#
124	120.0	130.5	195.7#

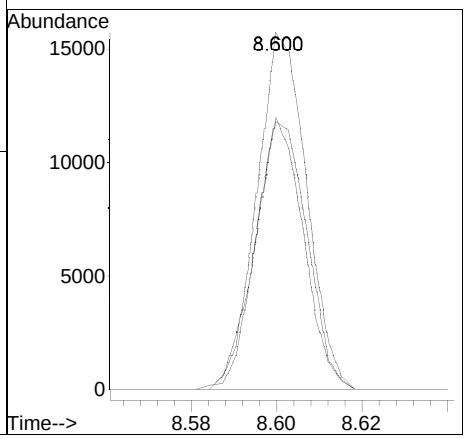


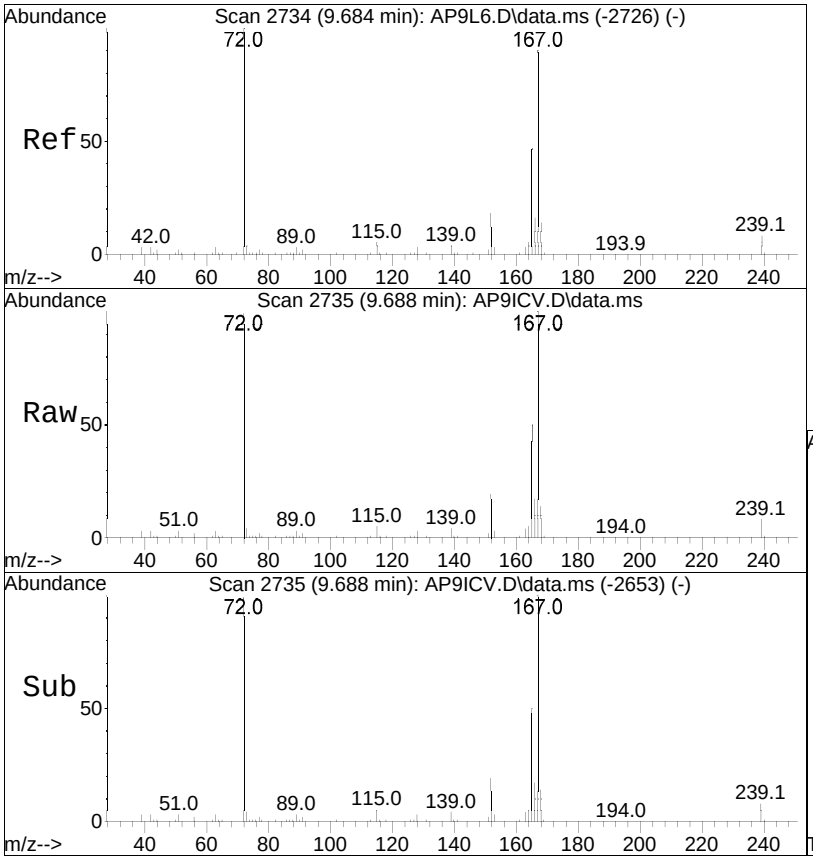


#85
Pentachloronitrobenzene
Concen: 4.91 ug/ml
RT: 8.600 min Scan# 2385
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 28 Aug 2025 6:40 am

Tgt Ion:237 Resp: 12733

Ion	Ratio	Lower	Upper
237	100		
142	74.6	77.0	115.4#
214	77.3	58.2	87.4

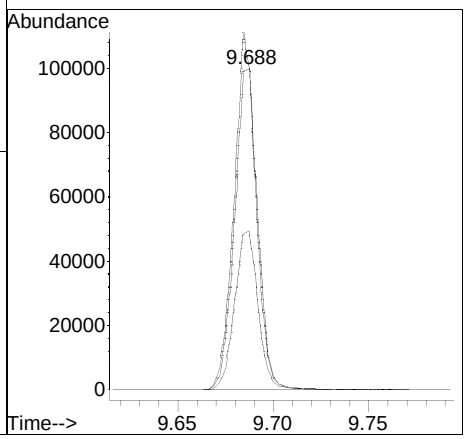




#99
Diphenamid
Concen: 5.07 ug/ml
RT: 9.688 min Scan# 2735
Delta R.T. 0.004 min
Lab File: AP9ICV.D
Acq: 28 Aug 2025 6:40 am

Tgt Ion:167 Resp: 83713

Ion	Ratio	Lower	Upper
167	100		
72	104.4	109.7	164.5#
165	50.2	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\SV106\250827ICAL\	QMethod	: FS250827SV106.m
Data File	: AP9ICV.D	Operator	: SV106:smz
Date Inj'd	: 8/28/2025 6:40 am	Instrument	: SV 106
Sample	: CQICV2,32,,AP9ICV Lot# 119	Quant Date	: 8/28/2025 10:56 am

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

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250827ICAL\
Data File : ADPICV.D
Acq On : 28 Aug 2025 7:02 am
Operator : SV106:smz
Sample : CQICV,32,,ADPICV Lot# 11914
Misc : WG2108428,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 28 07:26:41 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 07:27:17 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	100	0.00
33	t	1,4-Dioxane		0.477	0.400	16.1	89	0.00
34	T	n-Decane		1.449	1.195	17.5	84	0.00
86	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	101	0.00
87	T	Atrazine		0.372	0.324	12.9	87	0.00
100	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	102	0.00
101	T	n-Octadecane		0.480	0.408	15.0	85	0.00
102	T	Parathion	*	5.000	3.504	29.9#	79	0.00
103	T	3,3'-Dimethylbenzidine	*	5.000	3.910	21.8#	77	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ADPICV.D
Acq On : 28 Aug 2025 7:02 am
Operator : SV106:smz
Sample : CQICV,32,,ADPICV Lot# 11914
Misc : WG2108428,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 28 07:26:41 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 07:27:17 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
: 2 - I:\8270\SV106\250827ICAL\ADPL6.D
: 3 - I:\8270\SV106\250827ICAL\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	31602	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery =	100.37%		
86) IS3_Acenaphthene-d10	7.303	164	70365	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery =	101.14%		
100) IS3_Phenanthrene-d10	8.752	188	142062	4.000	ug/ml	# 0.00
Standard Area 2 = 139824			Recovery =	101.60%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.361	88	15794	4.193	ug/ml#	78
34) n-Decane	4.208	57	47211	4.123	ug/ml#	39
87) Atrazine	8.544	200	28529	4.360	ug/ml	92
101) n-Octadecane	8.761	57	72478	4.253	ug/ml#	1
102) Parathion	9.566	109	14819	3.504	ug/ml	98
103) 3,3'-Dimethylbenzidine	10.844	212	86540	3.910	ug/ml	98

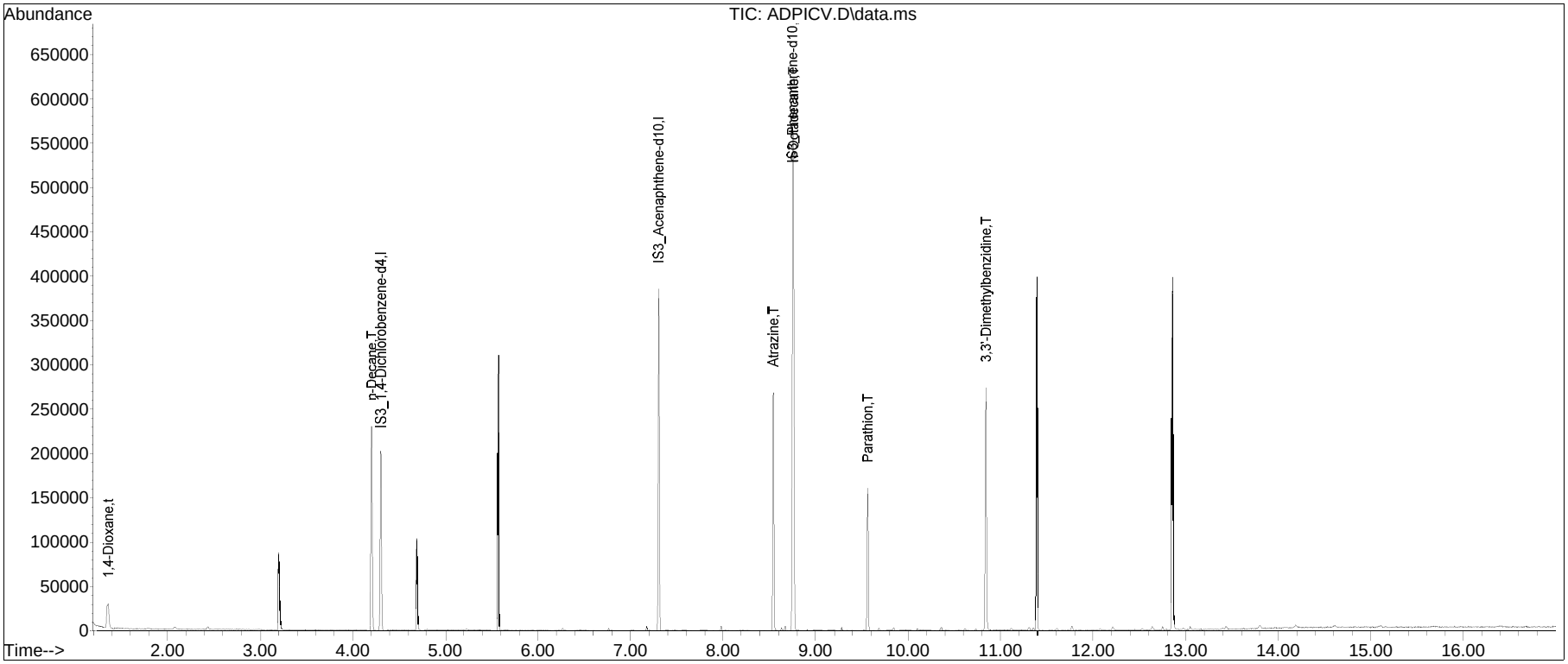
(#) = qualifier out of range (m) = manual integration (+) = signals summed

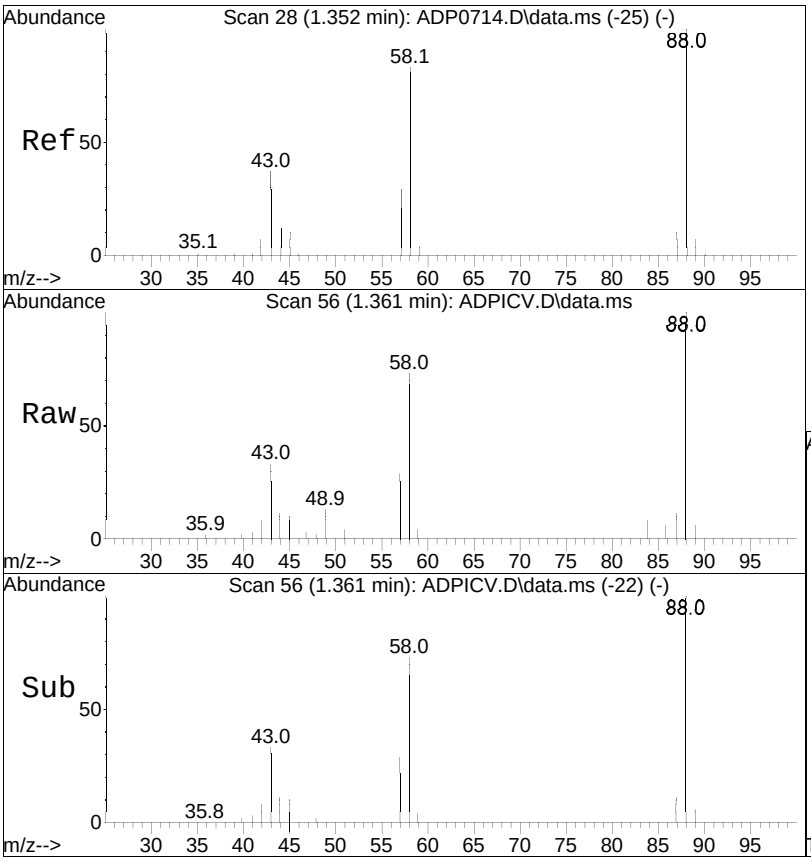
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ADPICV.D
Acq On : 28 Aug 2025 7:02 am
Operator : SV106:smz
Sample : CQICV,32,,ADPICV Lot# 11914
Misc : WG2108428,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 28 07:26:41 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 07:27:17 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistAL\AP9L6.D•

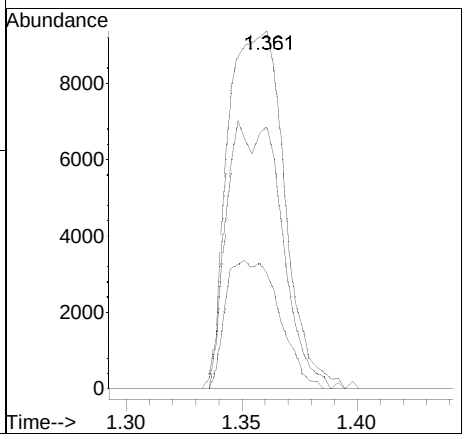


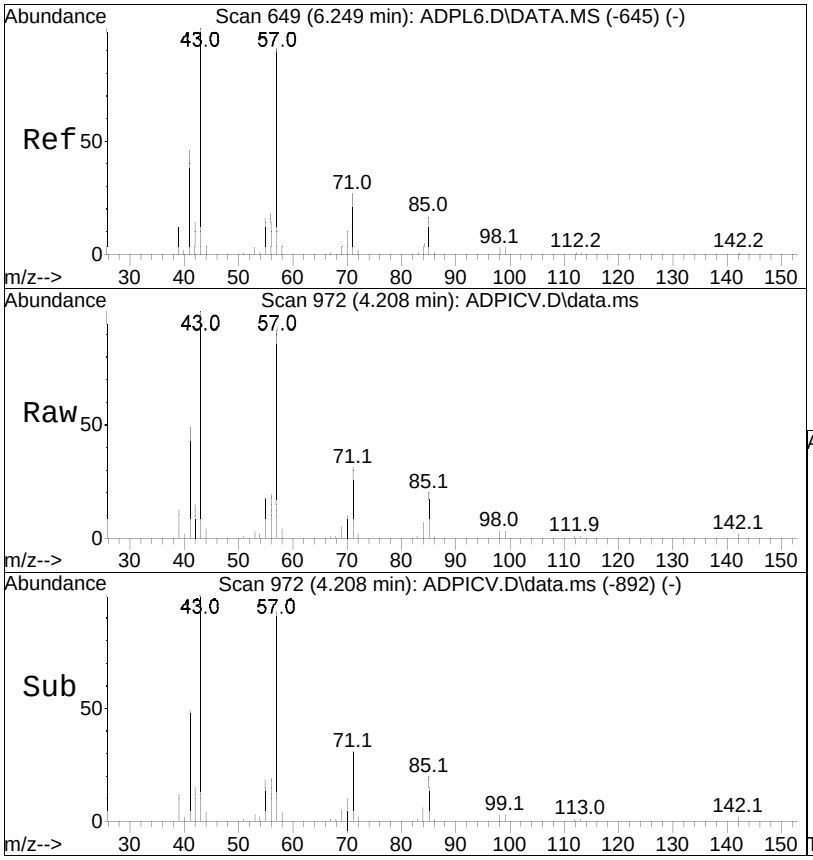


#33
1,4-Dioxane
Concen: 4.19 ug/ml
RT: 1.361 min Scan# 56
Delta R.T. 0.006 min
Lab File: ADPICV.D
Acq: 28 Aug 2025 7:02 am

Tgt Ion: 88 Resp: 15794

Ion	Ratio	Lower	Upper
88	100		
58	35.8	44.8	67.2#
43	34.1	22.4	33.6#

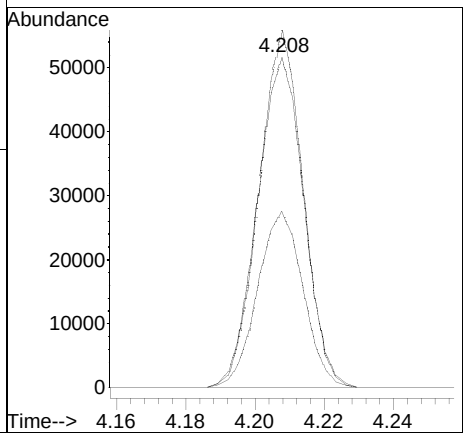


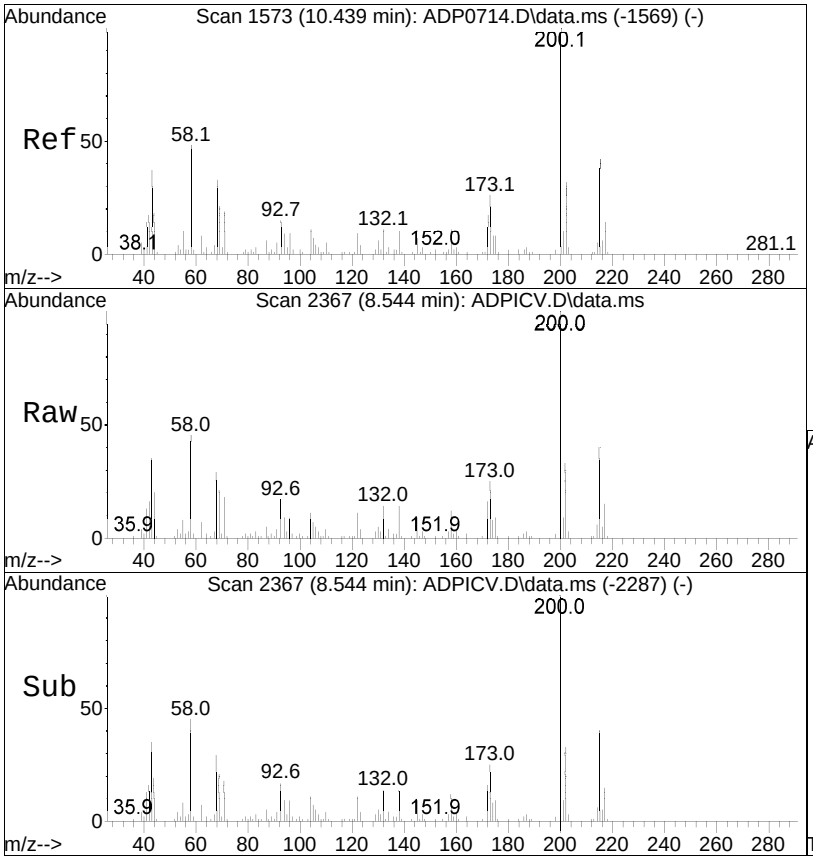


#34
n-Decane
Concen: 4.12 ug/ml
RT: 4.208 min Scan# 972
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 28 Aug 2025 7:02 am

Tgt Ion: 57 Resp: 47211

Ion	Ratio	Lower	Upper
57	100		
43	104.6	0.2	0.2#
41	52.9	0.2	0.2#

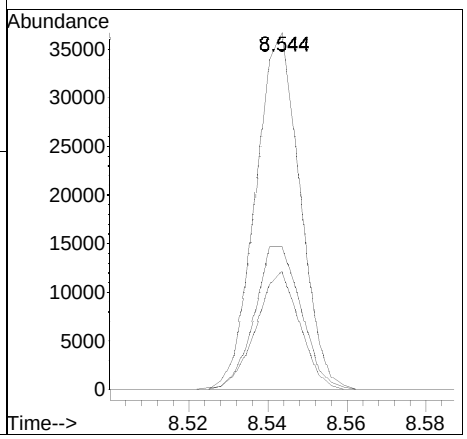


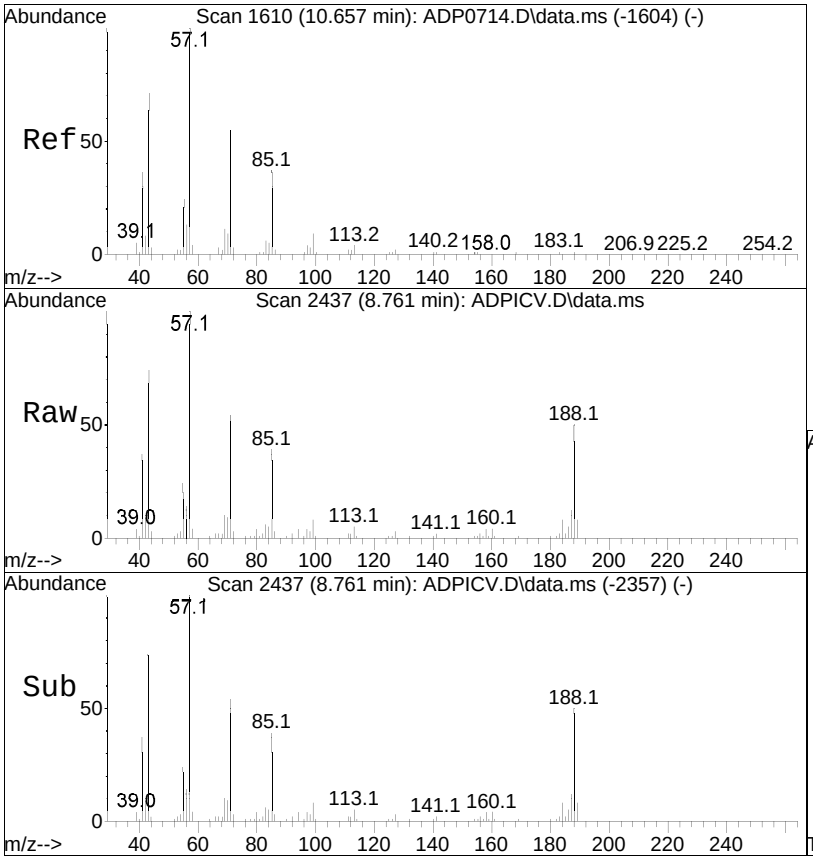


#87
Atrazine
Concen: 4.36 ug/ml
RT: 8.544 min Scan# 2367
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 28 Aug 2025 7:02 am

Tgt Ion:200 Resp: 28529

Ion	Ratio	Lower	Upper
200	100		
202	32.7	25.8	38.6
215	42.1	40.2	60.4

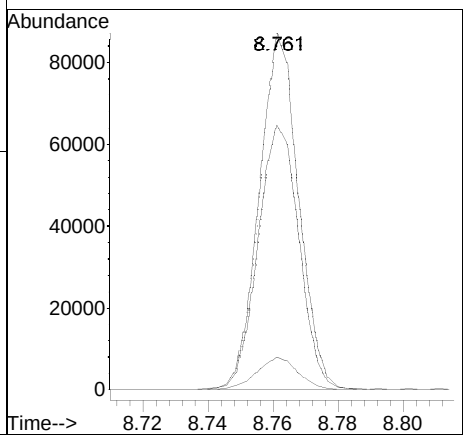


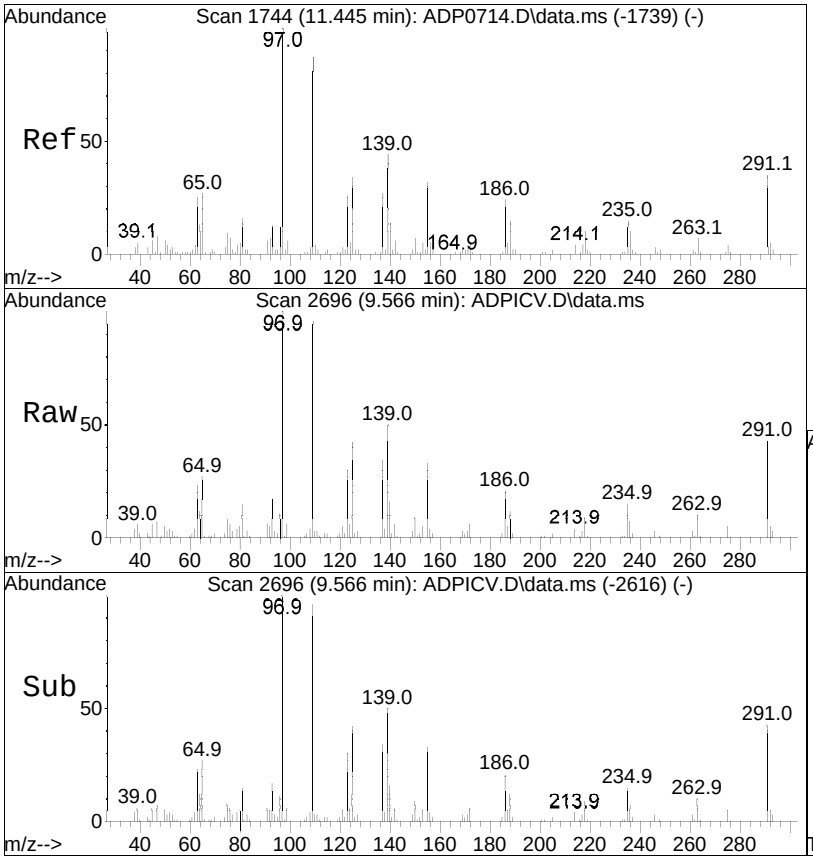


#101
n-Octadecane
Concen: 4.25 ug/ml
RT: 8.761 min Scan# 2437
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 28 Aug 2025 7:02 am

Tgt Ion: 57 Resp: 72478

Ion	Ratio	Lower	Upper
57	100		
43	77.3	9.0	13.6#
70	9.4	0.2	0.2#

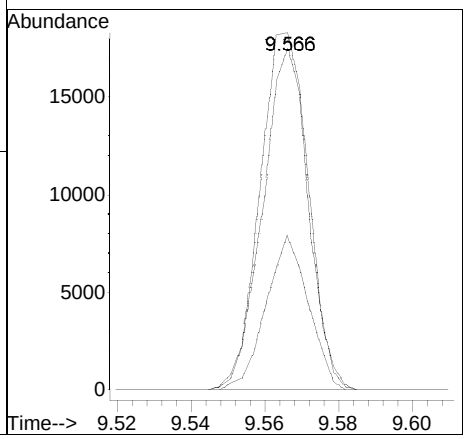


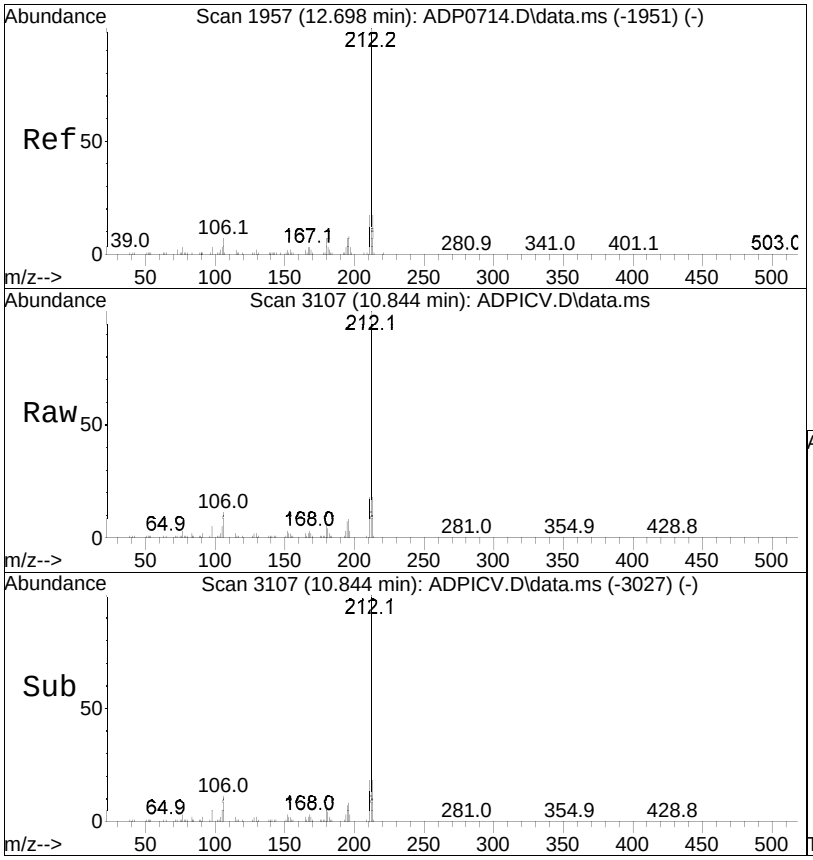


#102
Parathion
Concen: 3.50 ug/ml
RT: 9.566 min Scan# 2696
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 28 Aug 2025 7:02 am

Tgt Ion:109 Resp: 14819

Ion	Ratio	Lower	Upper
109	100		
97	111.3	87.4	131.2
291	42.4	34.2	51.2

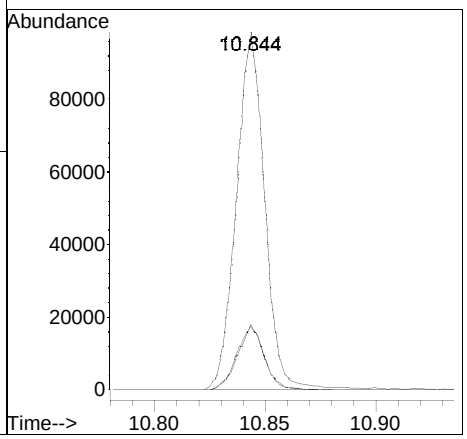




#103
3,3'-Dimethylbenzidine
Concen: 3.91 ug/ml
RT: 10.844 min Scan# 3107
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 28 Aug 2025 7:02 am

Tgt Ion:212 Resp: 86540

Ion	Ratio	Lower	Upper
212	100		
211	17.0	12.9	19.3
213	17.3	13.2	19.8



Manual Integration Report

Data Path	: I:\8270\SV106\250827ICAL\	QMethod	: FS250827SV106.m
Data File	: ADPICV.D	Operator	: SV106:smz
Date Inj'd	: 8/28/2025 7:02 am	Instrument	: SV 106
Sample	: CQICV,32,,ADPICV Lot# 1191	Quant Date	: 8/28/2025 7:27 am

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

Evaluate Relative Error Report SV 106

Method Path : I:\8270\SV106\250827ICAL\
Method File : FS250827SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Aug 28 09:56:36 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
37 T	Benzoic Acid	L	ug/ml	5.0	4.355	-12.9	1.00	1.227	22.7
102 T	Parathion	L	ug/ml	5.0	4.309	-13.8	1.00	1.314	31.4
103 T	3,3'-Dimethylbenzidine	L	ug/ml	5.0	4.718	-5.6	2.50	2.761	10.4

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
37 T	Benzoic Acid	Linear	0.997218	0.000000	0.271905	-0.0504247
102 T	Parathion	Linear	0.993772	0.000000	0.149294	-0.0264501
103 T	3,3'-Dimethylbenzidine	Linear	0.997019	0.000000	0.974468	-0.343452

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC		**Lab Number**	: L2575576	
Project Name	: 1000 TURK HILL RD GWS		**Project Number**	: 3113.0001Y000	
Instrument ID	: SV112		**Calibration Date**	: 11/29/25 10:51	
Lab File ID	: ABN1129		**Init. Calib. Date(s)**	: 08/17/25	08/18/25
Sample No	: WG2147407-3		**Init. Calib. Times**	: 18:26	06:05
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	174	0
n-Nitrosodimethylamine	0.792	0.91	-	-14.9	20	179	0
Pyridine	1.349	0.945	-	29.9*	20	118	0
2-Fluorophenol	1.105	1.114	-	-0.8	20	156	0
Aniline	5	4.423	-	11.5	20	154	0
2-Chlorophenol	1.287	1.181	-	8.2	20	139	0
Phenol-d6	1.428	1.432	-	-0.3	20	152	0
Phenol	1.581	1.658	-	-4.9	20	163	0
Bis(2-chloroethyl)ether	1.319	1.346	-	-2	20	163	0
1,3-Dichlorobenzene	1.573	1.393	-	11.4	20	144	0
1,4-Dichlorobenzene	1.611	1.375	-	14.6	20	137	0
1,2-Dichlorobenzene	1.557	1.35	-	13.3	20	139	0
Benzyl alcohol	1.122	1.296	-	-15.5	20	182	0
Bis(2-chloroisopropyl)ethe	2.148	2.089	-	2.7	20	155	0
2-Methylphenol	1.155	1.087	-	5.9	20	144	0
Hexachloroethane	0.596	0.64	-	-7.4	20	173	0
n-Nitrosodi-n-propylamine	1.032	1.092	-	-5.8	20	165	0
3-Methylphenol/4-Methylphe	1.27	1.205	-	5.1	20	148	0
Nitrobenzene-d5	1.354	1.592	-	-17.6	20	181	0
Nitrobenzene	1.405	1.66	-	-18.1	20	184	0
Isophorone	2.849	2.852	-	-0.1	20	154	0
2-Nitrophenol	5	4.276	-	14.5	20	158	0
2,4-Dimethylphenol	1.51	1.442	-	4.5	20	152	0
Bis(2-chloroethoxy)methane	1.807	1.719	-	4.9	20	148	0
2,4-Dichlorophenol	1.335	1.181	-	11.5	20	140	0
1,2,4-Trichlorobenzene	1.539	1.358	-	11.8	20	143	0
IS1_Naphthalene-d8	1	1	-	0	20	148	0
Naphthalene	1.063	0.957	-	10	20	124	0
Benzoic Acid	5	5.307	-	-6.1	20	169	0
4-Chloroaniline	0.144	0.182	-	-26.4*	20	170	0
Hexachlorobutadiene	0.253	0.298	-	-17.8	20	163	0
p-Chloro-m-cresol	0.329	0.371	-	-12.8	20	150	0
2-Methylnaphthalene	0.674	0.633	-	6.1	20	128	0
1-Methylnaphthalene	0.269	0.303	-	-12.6	20	158	0
Hexachlorocyclopentadiene	5	5.543	-	-10.9	20	168	0
2,4,6-Trichlorophenol	5	4.954	-	0.9	20	152	0
2,4,5-Trichlorophenol	5	4.946	-	1.1	20	141	0
2-Fluorobiphenyl	0.927	0.86	-	7.2	20	123	0
2-Chloronaphthalene	0.786	0.754	-	4.1	20	129	0
2-Nitroaniline	5	4.487	-	10.3	20	143	0
1,4-Dinitrobenzene	0.128	0.121	-	5.5	20	147	0
1,3-Dinitrobenzene	0.145	0.133	-	8.3	20	141	0
Dimethyl phthalate	0.996	0.966	-	3	20	125	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC		**Lab Number**	: L2575576	
Project Name	: 1000 TURK HILL RD GWS		**Project Number**	: 3113.0001Y000	
Instrument ID	: SV112		**Calibration Date**	: 11/29/25 10:51	
Lab File ID	: ABN1129		**Init. Calib. Date(s)**	: 08/17/25	08/18/25
Sample No	: WG2147407-3		**Init. Calib. Times**	: 18:26	06:05
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.282	1.166	-	9	20	115	0
2,6-Dinitrotoluene	5	4.642	-	7.2	20	141	0
1,2-Dinitrobenzene	0.094	0.087	-	7.4	20	139	0
IS1_Acenaphthene-d10	1	1	-	0	20	142	0
3-Nitroaniline	5	4.509	-	9.8	20	130	0
Acenaphthene	1.102	0.999	-	9.3	20	120	0
2,4-Dinitrophenol	5	5.048	-	-1	20	154	0
Dibenzofuran	1.833	1.736	-	5.3	20	122	0
2,4-Dinitrotoluene	5	4.916	-	1.7	20	143	0
4-Nitrophenol	5	6.215	-	-24.3*	20	172	0
2,3,5,6-Tetrachlorophenol	5	5.048	-	-1	20	146	0
2,3,4,6-Tetrachlorophenol	5	4.966	-	0.7	20	138	0
Diethyl phthalate	1.565	1.583	-	-1.2	20	127	0
Fluorene	1.489	1.352	-	9.2	20	117	0
4-Chlorophenyl phenyl ethe	0.783	0.739	-	5.6	20	127	0
4-Nitroaniline	5	4.465	-	10.7	20	126	0
4,6-Dinitro-o-cresol	5	5.297	-	-5.9	20	159	0
NDPA/DPA	1.246	1.152	-	7.5	20	118	0
Azobenzene	1.371	1.667	-	-21.6*	20	148	0
2,4,6-Tribromophenol	0.254	0.209	-	17.7	20	108	0
4-Bromophenyl phenyl ether	0.512	0.5	-	2.3	20	127	0
Hexachlorobenzene	0.607	0.531	-	12.5	20	118	0
Pentachlorophenol	5	4.53	-	9.4	20	133	0
IS1_Phenanthrene-d10	1	1	-	0	20	150	0
Phenanthrene	1.099	0.96	-	12.6	20	121	0
Anthracene	1.091	0.981	-	10.1	20	120	0
Carbazole	0.993	0.889	-	10.5	20	118	0
Di-n-butylphthalate	1.164	1.173	-	-0.8	20	129	0
Fluoranthene	1.329	1.25	-	5.9	20	125	0
Benzidine	5	4.073	-	18.5	20	115	0
Pyrene	1.367	1.264	-	7.5	20	121	0
4-Terphenyl-d14	1.068	0.909	-	14.9	20	115	0
Butyl benzyl phthalate	5	4.767	-	4.7	20	144	0
IS1_Chrysene-d12	1	1	-	0	20	142	0
Benzo(a)anthracene	1.308	1.219	-	6.8	20	122	0
3,3'-Dichlorobenzidine	0.473	0.421	-	11	20	109	0
Chrysene	1.216	1.106	-	9	20	116	0
Bis(2-ethylhexyl)phthalate	5	4.745	-	5.1	20	132	0
Di-n-octylphthalate	5	4.505	-	9.9	20	135	0
Benzo(b)fluoranthene	1.283	1.084	-	15.5	20	112	0
Benzo(k)fluoranthene	1.251	1.113	-	11	20	108	0
Benzo(a)pyrene	1.188	1.053	-	11.4	20	111	0
IS1_Perylene-d12	1	1	-	0	20	133	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC		**Lab Number**	: L2575576	
Project Name	: 1000 TURK HILL RD GWS		**Project Number**	: 3113.0001Y000	
Instrument ID	: SV112		**Calibration Date**	: 11/29/25 10:51	
Lab File ID	: ABN1129		**Init. Calib. Date(s)**	: 08/17/25	08/18/25
Sample No	: WG2147407-3		**Init. Calib. Times**	: 18:26	06:05
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.105	0.981	-	11.2	20	105	0
Dibenzo(a,h)anthracene	1.064	0.953	-	10.4	20	103	0
Benzo(ghi)perylene	1.105	0.98	-	11.3	20	105	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC		**Lab Number**	: L2575576	
Project Name	: 1000 TURK HILL RD GWS		**Project Number**	: 3113.0001Y000	
Instrument ID	: SV112		**Calibration Date**	: 11/29/25 11:14	
Lab File ID	: AP91129		**Init. Calib. Date(s)**	: 08/17/25	08/18/25
Sample No	: WG2147407-4		**Init. Calib. Times**	: 18:26	06:05
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	142	0
Benzaldehyde	0.597	0.682	-	-14.2	20	172	0
Acetophenone	1.98	1.928	-	2.6	20	145	0
m-Toluidine	1.191	1.218	-	-2.3	20	145	0
2-Chloroaniline	1.688	1.498	-	11.3	20	129	0
IS2_Naphthalene-d8	1	1	-	0	20	126	0
a-Terpineol	0.298	0.379	-	-27.2*	20	165	0
3-Chloroaniline	0.138	0.183	-	-32.6*	20	170	0
2,6-Dichlorophenol	0.282	0.324	-	-14.9	20	142	0
1-chloro-2-nitrobenzene	0.137	0.174	-	-27*	20	162	0
Caprolactam	0.177	0.207	-	-16.9	20	150	0
1,2,4,5-Tetrachlorobenzene	0.443	0.488	-	-10.2	20	145	0
Biphenyl	0.978	0.88	-	10	20	119	0
IS2_Acenaphthene-d10	1	1	-	0	20	124	0
Dichloran	0.179	0.233	-	-30.2*	20	173	0
Pentachloronitrobenzene	0.205	0.275	-	-34.1*	20	177	0
IS2_Phenanthrene-d10	1	1	-	0	20	131	0
Diphenamid	0.494	0.496	-	-0.4	20	134	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576		
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000		
Instrument ID	: SV112	**Calibration Date**	: 11/29/25 11:37		
Lab File ID	: ADP1129	**Init. Calib. Date(s)**	: 08/17/25	08/18/25	
Sample No	: WG2147407-5	**Init. Calib. Times**	: 18:26	06:05	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	178	0
1,4-Dioxane	0.546	0.521	-	4.6	20	184	0
n-Decane	1.602	1.658	-	-3.5	20	185	0
IS3_Acenaphthene-d10	1	1	-	0	20	147	0
Atrazine	0.463	0.495	-	-6.9	20	155	0
IS3_Phenanthrene-d10	1	1	-	0	20	147	0
n-Octadecane	0.496	0.515	-	-3.8	20	154	0
Parathion	0.106	0.135	-	-27.4*	20	200	0
3,3'-Dimethylbenzidine	0.737	0.76	-	-3.1	20	145	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC		**Lab Number**	: L2575576	
Project Name	: 1000 TURK HILL RD GWS		**Project Number**	: 3113.0001Y000	
Instrument ID	: SV106		**Calibration Date**	: 12/02/25 23:11	
Lab File ID	: ABN1202		**Init. Calib. Date(s)**	: 08/27/25	08/28/25
Sample No	: WG2148721-3		**Init. Calib. Times**	: 20:12	06:19
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	110	0
n-Nitrosodimethylamine	0.66	0.763	-	-15.6	20	125	0
Pyridine	1.131	1.226	-	-8.4	20	114	0
2-Fluorophenol	1.106	1.19	-	-7.6	20	114	0
Aniline	1.738	1.863	-	-7.2	20	112	0
2-Chlorophenol	1.332	1.341	-	-0.7	20	107	0
Phenol-d6	1.318	1.413	-	-7.2	20	115	0
Phenol	1.441	1.556	-	-8	20	117	0
Bis(2-chloroethyl)ether	1.143	1.217	-	-6.5	20	116	0
1,3-Dichlorobenzene	1.598	1.539	-	3.7	20	105	0
1,4-Dichlorobenzene	1.634	1.561	-	4.5	20	105	0
1,2-Dichlorobenzene	1.572	1.485	-	5.5	20	105	0
Benzyl alcohol	0.964	1.094	-	-13.5	20	123	0
Bis(2-chloroisopropyl)ethe	1.867	1.808	-	3.2	20	106	0
2-Methylphenol	1.104	1.13	-	-2.4	20	110	0
Hexachloroethane	0.602	0.673	-	-11.8	20	119	0
n-Nitrosodi-n-propylamine	0.815	0.95	-	-16.6	20	124	0
3-Methylphenol/4-Methylphe	1.207	1.203	-	0.3	20	108	0
Nitrobenzene-d5	1.226	1.41	-	-15	20	123	0
Nitrobenzene	1.26	1.427	-	-13.3	20	120	0
Isophorone	2.296	2.424	-	-5.6	20	113	0
2-Nitrophenol	0.64	0.706	-	-10.3	20	117	0
2,4-Dimethylphenol	1.271	1.232	-	3.1	20	101	0
Bis(2-chloroethoxy)methane	1.546	1.63	-	-5.4	20	115	0
2,4-Dichlorophenol	1.17	1.187	-	-1.5	20	106	0
1,2,4-Trichlorobenzene	1.374	1.371	-	0.2	20	110	0
IS1_Naphthalene-d8	1	1	-	0	20	104	0
Naphthalene	1.082	0.998	-	7.8	20	97	0
Benzoic Acid	5	4.693	-	6.1	20	114	0
4-Chloroaniline	0.117	0.136	-	-16.2	20	115	0
Hexachlorobutadiene	0.2	0.228	-	-14	20	118	0
p-Chloro-m-cresol	0.284	0.293	-	-3.2	20	105	0
2-Methylnaphthalene	0.641	0.615	-	4.1	20	101	0
1-Methylnaphthalene	0.227	0.246	-	-8.4	20	114	0
Hexachlorocyclopentadiene	0.254	0.292	-	-15	20	118	0
2,4,6-Trichlorophenol	0.213	0.239	-	-12.2	20	109	0
2,4,5-Trichlorophenol	0.239	0.262	-	-9.6	20	108	0
2-Fluorobiphenyl	0.821	0.8	-	2.6	20	103	0
2-Chloronaphthalene	0.727	0.691	-	5	20	100	0
2-Nitroaniline	0.206	0.204	-	1	20	95	0
1,4-Dinitrobenzene	0.097	0.098	-	-1	20	100	0
1,3-Dinitrobenzene	0.112	0.108	-	3.6	20	93	0
Dimethyl phthalate	0.857	0.78	-	9	20	94	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576		
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000		
Instrument ID	: SV106	**Calibration Date**	: 12/02/25 23:11		
Lab File ID	: ABN1202	**Init. Calib. Date(s)**	: 08/27/25	08/28/25	
Sample No	: WG2148721-3	**Init. Calib. Times**	: 20:12	06:19	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.117	-	4.5	20	96	0
2,6-Dinitrotoluene	0.167	0.17	-	-1.8	20	101	0
1,2-Dinitrobenzene	0.073	0.074	-	-1.4	20	97	0
IS1_Acenaphthene-d10	1	1	-	0	20	104	0
3-Nitroaniline	0.342	0.306	-	10.5	20	87	0
Acenaphthene	1.136	1.065	-	6.2	20	99	0
2,4-Dinitrophenol	0.166	0.179	-	-7.8	20	118	0
Dibenzofuran	1.844	1.643	-	10.9	20	94	0
2,4-Dinitrotoluene	0.385	0.38	-	1.3	20	93	0
4-Nitrophenol	0.238	0.274	-	-15.1	20	114	0
2,3,5,6-Tetrachlorophenol	0.34	0.374	-	-10	20	106	0
2,3,4,6-Tetrachlorophenol	0.33	0.363	-	-10	20	103	0
Diethyl phthalate	1.516	1.369	-	9.7	20	93	0
Fluorene	1.447	1.318	-	8.9	20	96	0
4-Chlorophenyl phenyl ethe	0.688	0.643	-	6.5	20	98	0
4-Nitroaniline	0.337	0.286	-	15.1	20	81	0
4,6-Dinitro-o-cresol	0.214	0.23	-	-7.5	20	109	0
NDPA/DPA	1.209	1.095	-	9.4	20	92	0
Azobenzene	1.272	1.299	-	-2.1	20	103	0
2,4,6-Tribromophenol	0.194	0.208	-	-7.2	20	108	0
4-Bromophenyl phenyl ether	0.424	0.394	-	7.1	20	99	0
Hexachlorobenzene	0.475	0.444	-	6.5	20	101	0
Pentachlorophenol	0.28	0.26	-	7.1	20	98	0
IS1_Phenanthrene-d10	1	1	-	0	20	95	0
Phenanthrene	1.202	1.073	-	10.7	20	87	0
Anthracene	1.178	1.075	-	8.7	20	87	0
Carbazole	1.081	0.95	-	12.1	20	81	0
Di-n-butylphthalate	1.266	1.183	-	6.6	20	84	0
Fluoranthene	1.296	1.104	-	14.8	20	80	0
Benzidine	0.831	0.582	-	30*	20	66	0
Pyrene	1.383	1.159	-	16.2	20	80	0
4-Terphenyl-d14	0.982	0.783	-	20.3*	20	78	0
Butyl benzyl phthalate	0.529	0.438	-	17.2	20	74	0
IS1_Chrysene-d12	1	1	-	0	20	70	0
Benzo(a)anthracene	1.349	1.357	-	-0.6	20	72	0
3,3'-Dichlorobenzidine	0.464	0.483	-	-4.1	20	69	0
Chrysene	1.336	1.259	-	5.8	20	69	0
Bis(2-ethylhexyl)phthalate	0.846	0.852	-	-0.7	20	66	0
Di-n-octylphthalate	1.419	1.309	-	7.8	20	64	0
Benzo(b)fluoranthene	1.278	1.215	-	4.9	20	69	0
Benzo(k)fluoranthene	1.303	1.285	-	1.4	20	68	0
Benzo(a)pyrene	1.197	1.16	-	3.1	20	67	0
IS1_Perylene-d12	1	1	-	0	20	69	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC		**Lab Number**	: L2575576	
Project Name	: 1000 TURK HILL RD GWS		**Project Number**	: 3113.0001Y000	
Instrument ID	: SV106		**Calibration Date**	: 12/02/25 23:11	
Lab File ID	: ABN1202		**Init. Calib. Date(s)**	: 08/27/25	08/28/25
Sample No	: WG2148721-3		**Init. Calib. Times**	: 20:12	06:19
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.141	1.117	-	2.1	20	67	0
Dibenzo(a,h)anthracene	1.181	1.101	-	6.8	20	64	0
Benzo(ghi)perylene	1.164	1.131	-	2.8	20	68	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC		**Lab Number**	: L2575576	
Project Name	: 1000 TURK HILL RD GWS		**Project Number**	: 3113.0001Y000	
Instrument ID	: SV106		**Calibration Date**	: 12/02/25 23:32	
Lab File ID	: AP91202		**Init. Calib. Date(s)**	: 08/27/25	08/28/25
Sample No	: WG2148721-4		**Init. Calib. Times**	: 20:12	06:19
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	134	0
Benzaldehyde	0.645	0.603	-	6.5	20	128	0
Acetophenone	1.905	1.643	-	13.8	20	118	0
m-Toluidine	1.123	1.161	-	-3.4	20	129	0
2-Chloroaniline	1.724	1.458	-	15.4	20	112	0
IS2_Naphthalene-d8	1	1	-	0	20	125	0
a-Terpineol	0.267	0.263	-	1.5	20	123	0
3-Chloroaniline	0.114	0.122	-	-7	20	125	0
2,6-Dichlorophenol	0.285	0.276	-	3.2	20	119	0
1-chloro-2-nitrobenzene	0.135	0.136	-	-0.7	20	124	0
Caprolactam	0.142	0.13	-	8.5	20	109	0
1,2,4,5-Tetrachlorobenzene	0.373	0.349	-	6.4	20	120	0
Biphenyl	0.931	0.771	-	17.2	20	107	0
IS2_Acenaphthene-d10	1	1	-	0	20	130	0
Dichloran	0.158	0.137	-	13.3	20	110	0
Pentachloronitrobenzene	0.154	0.15	-	2.6	20	118	0
IS2_Phenanthrene-d10	1	1	-	0	20	121	0
Diphenamid	0.487	0.385	-	20.9*	20	90	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576		
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000		
Instrument ID	: SV106	**Calibration Date**	: 12/02/25 23:54		
Lab File ID	: ADP1202	**Init. Calib. Date(s)**	: 08/27/25	08/28/25	
Sample No	: WG2148721-5	**Init. Calib. Times**	: 20:12	06:19	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	135	0
1,4-Dioxane	0.477	0.442	-	7.3	20	132	0
n-Decane	1.449	1.267	-	12.6	20	121	0
IS3_Acenaphthene-d10	1	1	-	0	20	132	0
Atrazine	0.372	0.322	-	13.4	20	112	0
IS3_Phenanthrene-d10	1	1	-	0	20	128	0
n-Octadecane	0.48	0.427	-	11	20	112	0
Parathion	5	4.242	-	15.2	20	126	0
3,3'-Dimethylbenzidine	5	3.942	-	21.2*	20	98	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\251129RVTb\
Data File : ABN1129.D
Acq On : 29 Nov 2025 10:51 am
Operator : SV112:smz
Sample : wg2147407-3,32,,ABN 11823 gmr1114C
Misc : wg2147407,,ical22560
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 01 08:31:51 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:05:30 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	174	0.00
2	T	n-Nitrosodimethylamine		0.792	0.910	-14.9	179	0.00
3	T	Pyridine		1.349	0.945	29.9#	118	0.00
4	S	2-Fluorophenol		1.105	1.114	-0.8	156	0.00
5	T	Aniline	*	5.000	4.423	11.5	154	0.00
6	T	2-Chlorophenol		1.287	1.181	8.2	139	0.00
7	S	Phenol-d6		1.428	1.432	-0.3	152	0.00
8	T	Phenol		1.581	1.658	-4.9	163	0.00
9	T	Bis(2-chloroethyl)ether		1.319	1.346	-2.0	163	0.00
10	T	1,3-Dichlorobenzene		1.573	1.393	11.4	144	0.00
11	T	1,4-Dichlorobenzene		1.611	1.375	14.6	137	0.00
12	T	1,2-Dichlorobenzene		1.557	1.350	13.3	139	0.00
13	T	Benzyl alcohol		1.122	1.296	-15.5	182	0.00
14	T	Bis(2-chloroisopropyl)ether		2.148	2.089	2.7	155	0.00
15	T	2-Methylphenol		1.155	1.087	5.9	144	0.00
16	T	Hexachloroethane		0.596	0.640	-7.4	173	0.00
17	T	n-Nitrosodi-n-propylamine		1.032	1.092	-5.8	165	0.00
18	T	3-Methylphenol/4-Methylphen		1.270	1.205	5.1	148	0.00
19	S	Nitrobenzene-d5		1.354	1.592	-17.6	181	0.00
20	T	Nitrobenzene		1.405	1.660	-18.1	184	0.00
21	T	Isophorone		2.849	2.852	-0.1	154	0.00
22	T	2-Nitrophenol	*	5.000	4.276	14.5	158	0.00
23	T	2,4-Dimethylphenol		1.510	1.442	4.5	152	0.00
24	T	Bis(2-chloroethoxy)methane		1.807	1.719	4.9	148	0.00
25	T	2,4-Dichlorophenol		1.335	1.181	11.5	140	0.00
26	T	1,2,4-Trichlorobenzene		1.539	1.358	11.8	143	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	148	0.00
36	T	Naphthalene		1.063	0.957	10.0	124	0.00
37	T	Benzoic Acid	*	5.000	5.307	-6.1	169	0.00
38	T	4-Chloroaniline		0.144	0.182	-26.4#	170	0.00
39	T	Hexachlorobutadiene		0.253	0.298	-17.8	163	0.00
40	T	p-Chloro-m-cresol		0.329	0.371	-12.8	150	0.00
41	T	2-Methylnaphthalene		0.674	0.633	6.1	128	0.00
42	T	1-Methylnaphthalene		0.269	0.303	-12.6	158	0.00
43	T	Hexachlorocyclopentadiene	*	5.000	5.543	-10.9	168	0.00
44	T	2,4,6-Trichlorophenol	*	5.000	4.954	0.9	152	0.00
45	T	2,4,5-Trichlorophenol	*	5.000	4.946	1.1	141	0.00
46	S	2-Fluorobiphenyl		0.927	0.860	7.2	123	0.00

Data Path : I:\8270\SV112\251129RVTb\
Data File : ABN1129.D
Acq On : 29 Nov 2025 10:51 am
Operator : SV112:smz
Sample : wg2147407-3,32,,ABN 11823 gmr1114C
Misc : wg2147407,,ical22560
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 01 08:31:51 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:05:30 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene		0.786	0.754	4.1	129	0.00
48	T	2-Nitroaniline	*	5.000	4.487	10.3	143	0.00
49	T	1,4-Dinitrobenzene		0.128	0.121	5.5	147	0.00
50	T	1,3-Dinitrobenzene		0.145	0.133	8.3	141	0.00
51	T	Dimethyl phthalate		0.996	0.966	3.0	125	0.00
52	T	Acenaphthylene		1.282	1.166	9.0	115	0.00
53	T	2,6-Dinitrotoluene	*	5.000	4.642	7.2	141	0.00
54	T	1,2-Dinitrobenzene		0.094	0.087	7.4	139	0.00
63	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	142	0.00
64	T	3-Nitroaniline	*	5.000	4.509	9.8	130	0.00
65	T	Acenaphthene		1.102	0.999	9.3	120	0.00
66	T	2,4-Dinitrophenol	*	5.000	5.048	-1.0	154	0.00
67	T	Dibenzofuran		1.833	1.736	5.3	122	0.00
68	T	2,4-Dinitrotoluene	*	5.000	4.916	1.7	143	0.00
69	T	4-Nitrophenol	*	5.000	6.215	-24.3#	172	0.00
70	T	2,3,5,6-Tetrachlorophenol	*	5.000	5.048	-1.0	146	0.00
71	T	2,3,4,6-Tetrachlorophenol	*	5.000	4.966	0.7	138	0.00
72	T	Diethyl phthalate		1.565	1.583	-1.2	127	0.00
73	T	Fluorene		1.489	1.352	9.2	117	0.00
74	T	4-Chlorophenyl phenyl ether		0.783	0.739	5.6	127	0.00
75	T	4-Nitroaniline	*	5.000	4.465	10.7	126	0.00
76	T	4,6-Dinitro-o-cresol	*	5.000	5.297	-5.9	159	0.00
77	T	NDPA/DPA		1.246	1.152	7.5	118	0.00
78	T	Azobenzene		1.371	1.667	-21.6#	148	0.00
79	S	2,4,6-Tribromophenol		0.254	0.209	17.7	108	0.00
80	T	4-Bromophenyl phenyl ether		0.512	0.500	2.3	127	0.00
81	T	Hexachlorobenzene		0.607	0.531	12.5	118	0.00
82	T	Pentachlorophenol	*	5.000	4.530	9.4	133	0.00
88	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	150	0.00
89	T	Phenanthrene		1.099	0.960	12.6	121	0.00
90	T	Anthracene		1.091	0.981	10.1	120	0.00
91	T	Carbazole		0.993	0.889	10.5	118	0.00
92	T	Di-n-butylphthalate		1.164	1.173	-0.8	129	0.00
93	T	Fluoranthene		1.329	1.250	5.9	125	0.00
94	T	Benzidine	*	5.000	4.073	18.5	115	0.00
95	T	Pyrene		1.367	1.264	7.5	121	0.00
96	S	4-Terphenyl-d14		1.068	0.909	14.9	115	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\251129RVTb\
Data File : ABN1129.D
Acq On : 29 Nov 2025 10:51 am
Operator : SV112:smz
Sample : wg2147407-3,32,,ABN 11823 gmr1114C
Misc : wg2147407,,ical22560
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 01 08:31:51 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:05:30 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	*	5.000	4.767	4.7	144	0.00
104	I	IS1_Chrysene-d12		1.000	1.000	0.0	142	0.00
105	T	Benzo(a)anthracene		1.308	1.219	6.8	122	0.00
106	T	3,3'-Dichlorobenzidine		0.473	0.421	11.0	109	0.00
107	T	Chrysene		1.216	1.106	9.0	116	0.00
108	T	Bis(2-ethylhexyl)phthalate	*	5.000	4.745	5.1	132	0.00
109	T	Di-n-octylphthalate	*	5.000	4.505	9.9	135	0.00
110	T	Benzo(b)fluoranthene		1.283	1.084	15.5	112	0.00
111	T	Benzo(k)fluoranthene		1.251	1.113	11.0	108	0.00
112	T	Benzo(a)pyrene		1.188	1.053	11.4	111	0.00
113	I	IS1_Perylene-d12		1.000	1.000	0.0	133	0.00
114	T	Indeno(1,2,3-cd)pyrene		1.105	0.981	11.2	105	0.00
115	T	Dibenzo(a,h)anthracene		1.064	0.953	10.4	103	0.00
116	T	Benzo(ghi)perylene		1.105	0.980	11.3	105	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\251129RVTb\
Data File : ABN1129.D
Acq On : 29 Nov 2025 10:51 am
Operator : SV112:smz
Sample : wg2147407-3,32,,ABN 11823 gmr1114C
Misc : wg2147407,,ical22560
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 01 09:07:15 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:05:30 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	3.740	152	32512	4.000	ug/ml		0.00
35) IS1_Naphthalene-d8	4.999	136	113237	4.000	ug/ml		0.00
63) IS1_Acenaphthene-d10	6.687	164	73361	4.000	ug/ml		0.00
88) IS1_Phenanthrene-d10	8.093	188	168244	4.000	ug/ml	#	0.00
104) IS1_Chrysene-d12	10.622	240	177338	4.000	ug/ml	#	0.00
113) IS1_Perylene-d12	11.993	264	179604	4.000	ug/ml		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.370	112	45268	5.041	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 252.05%#				
7) Phenol-d6	3.475	99	58191	5.014	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 250.70%#				
19) Nitrobenzene-d5	4.305	82	64717	5.881	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 588.10%#				
46) 2-Fluorobiphenyl	6.087	172	121738	4.639	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 463.90%#				
79) 2,4,6-Tribromophenol	7.446	330	19129	4.100	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 205.00%#				
96) 4-Terphenyl-d14	9.669	244	191177	4.257	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 425.70%#				
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	1.093	74	37000	5.749	ug/ml		84
3) Pyridine	1.117	79	38386	3.500	ug/ml		98
5) Aniline	3.411	93	81139	4.423	ug/ml		92
6) 2-Chlorophenol	3.534	128	48004	4.589	ug/ml	#	83
8) Phenol	3.487	94	67371	5.243	ug/ml	#	82
9) Bis(2-chloroethyl)ether	3.522	93	54695	5.101	ug/ml	#	67
10) 1,3-Dichlorobenzene	3.675	146	56608	4.426	ug/ml		99
11) 1,4-Dichlorobenzene	3.752	146	55900	4.270	ug/ml		96
12) 1,2-Dichlorobenzene	3.905	146	54878	4.337	ug/ml		99
13) Benzyl alcohol	3.928	79	52661	5.777	ug/ml	#	86
14) Bis(2-chloroisopropyl)...	4.081	45	84891	4.862	ug/ml	#	64
15) 2-Methylphenol	4.099	108	44166	4.705	ug/ml		95
16) Hexachloroethane	4.234	117	26006	5.368	ug/ml	#	67
17) n-Nitrosodi-n-propylamine	4.211	70	44395	5.291	ug/ml	#	87
18) 3-Methylphenol/4-Methy...	4.264	108	48955	4.741	ug/ml		99
20) Nitrobenzene	4.322	77	67472	5.908	ug/ml	#	84
21) Isophorone	4.581	82	115906	5.005	ug/ml	#	94
22) 2-Nitrophenol	4.646	139	26301	4.276	ug/ml	#	76

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\251129RVTb\
Data File : ABN1129.D
Acq On : 29 Nov 2025 10:51 am
Operator : SV112:smz
Sample : wg2147407-3,32,,ABN 11823 gmr1114C
Misc : wg2147407,,ical22560
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 01 09:07:15 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:05:30 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	4.775	107	58619	4.777	ug/ml	87
24) Bis(2-chloroethoxy)met...	4.846	93	69850	4.755	ug/ml#	97
25) 2,4-Dichlorophenol	4.911	162	47991	4.424	ug/ml	98
26) 1,2,4-Trichlorobenzene	4.963	180	55187	4.413	ug/ml	96
36) Naphthalene	5.016	128	135399	4.501	ug/ml	98
37) Benzoic Acid	4.893	105	35762	5.307	ug/ml	87
38) 4-Chloroaniline	5.116	65	25789	6.327	ug/ml#	57
39) Hexachlorobutadiene	5.187	225	42133	5.881	ug/ml	98
40) p-Chloro-m-cresol	5.658	107	52506	5.640	ug/ml	90
41) 2-Methylnaphthalene	5.705	142	89550	4.697	ug/ml#	92
42) 1-Methylnaphthalene	5.793	115	42822M3	5.614	ug/ml	
43) Hexachlorocyclopentadiene	5.881	237	53381	5.543	ug/ml	98
44) 2,4,6-Trichlorophenol	6.011	196	44237	4.954	ug/ml	97
45) 2,4,5-Trichlorophenol	6.046	196	46389	4.946	ug/ml	97
47) 2-Chloronaphthalene	6.158	162	106686	4.796	ug/ml	96
48) 2-Nitroaniline	6.293	138	32839	4.487	ug/ml#	77
49) 1,4-Dinitrobenzene	6.434	168	17174M3	4.737	ug/ml	
50) 1,3-Dinitrobenzene	6.505	168	18761M6	4.568	ug/ml	
51) Dimethyl phthalate	6.510	163	136687	4.846	ug/ml	99
52) Acenaphthylene	6.546	152	165043	4.547	ug/ml	98
53) 2,6-Dinitrotoluene	6.546	165	29847	4.642	ug/ml#	61
54) 1,2-Dinitrobenzene	6.575	168	12249	4.616	ug/ml#	1
64) 3-Nitroaniline	6.693	138	29922	4.509	ug/ml#	80
65) Acenaphthene	6.716	154	91627	4.533	ug/ml	95
66) 2,4-Dinitrophenol	6.793	184	17318	5.048	ug/ml	97
67) Dibenzofuran	6.887	168	159234	4.735	ug/ml	99
68) 2,4-Dinitrotoluene	6.922	165	41445	4.916	ug/ml	92
69) 4-Nitrophenol	6.940	65	35654	6.215	ug/ml#	80
70) 2,3,5,6-Tetrachlorophenol	6.999	232	42600	5.048	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	7.040	232	41530	4.966	ug/ml	99
72) Diethyl phthalate	7.199	149	145203	5.060	ug/ml	99
73) Fluorene	7.216	166	123939	4.537	ug/ml	96
74) 4-Chlorophenyl phenyl ...	7.258	204	67780	4.720	ug/ml	88
75) 4-Nitroaniline	7.269	138	29205	4.465	ug/ml#	57
76) 4,6-Dinitro-o-cresol	7.305	198	26687	5.297	ug/ml	94
77) NDPA/DPA	7.375	169	105676	4.626	ug/ml	96
78) Azobenzene	7.399	77	152872M6	6.080	ug/ml	
80) 4-Bromophenyl phenyl e...	7.710	248	45832	4.880	ug/ml	90
81) Hexachlorobenzene	7.740	284	48732	4.379	ug/ml#	89
82) Pentachlorophenol	7.952	266	30407	4.530	ug/ml	97
89) Phenanthrene	8.110	178	201920	4.368	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\251129RVTb\
Data File : ABN1129.D
Acq On : 29 Nov 2025 10:51 am
Operator : SV112:smz
Sample : wg2147407-3,32,,ABN 11823 gmr1114C
Misc : wg2147407,,ical22560
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 01 09:07:15 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:05:30 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90)	Anthracene	8.163	178	206336	4.496	ug/ml	98
91)	Carbazole	8.346	167	186921	4.474	ug/ml	98
92)	Di-n-butylphthalate	8.781	149	246641	5.039	ug/ml#	98
93)	Fluoranthene	9.246	202	262986	4.703	ug/ml#	94
94)	Benzidine	9.428	184	145355	4.073	ug/ml	98
95)	Pyrene	9.446	202	265725	4.621	ug/ml	99
97)	Butyl benzyl phthalate	10.199	149	117283	4.767	ug/ml	91
105)	Benzo(a)anthracene	10.616	228	270166	4.659	ug/ml	98
106)	3,3'-Dichlorobenzidine	10.646	252	93396	4.450	ug/ml	96
107)	Chrysene	10.646	228	245181	4.548	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	10.816	149	171748	4.745	ug/ml	98
109)	Di-n-octylphthalate	11.457	149	291806	4.505	ug/ml	96
110)	Benzo(b)fluoranthene	11.646	252	240317	4.223	ug/ml#	95
111)	Benzo(k)fluoranthene	11.675	252	246814M3	4.450	ug/ml	
112)	Benzo(a)pyrene	11.940	252	233518	4.433	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	12.916	276	220149	4.439	ug/mL#	90
115)	Dibenzo(a,h)anthracene	12.945	278	213894	4.476	ug/ml#	91
116)	Benzo(ghi)perylene	13.116	276	219917	4.432	ug/ml#	92

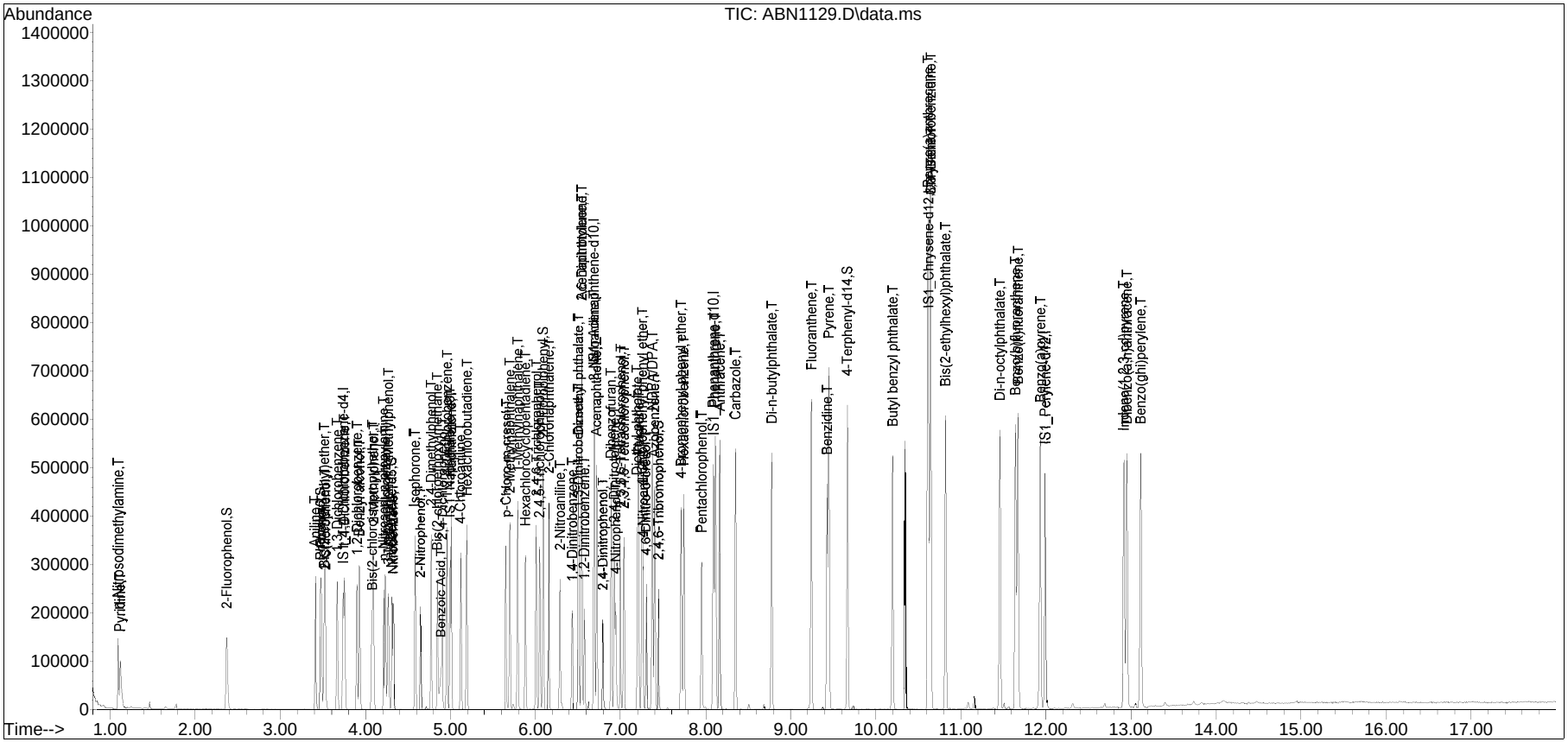
(#) = qualifier out of range (m) = manual integration (+) = signals summed

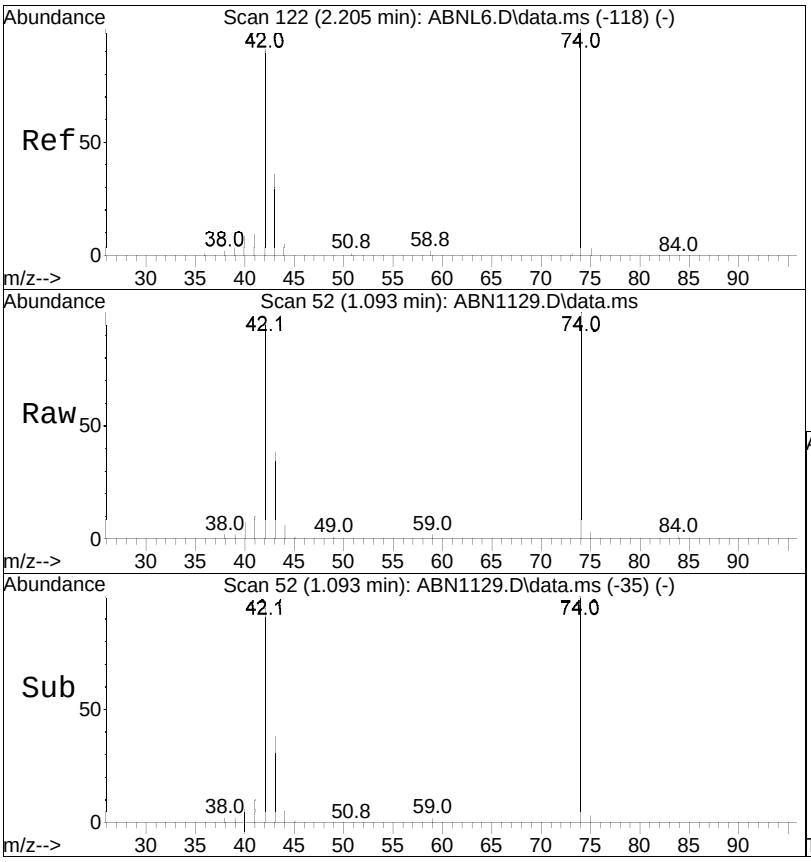
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\251129RVTb\
Data File : ABN1129.D
Acq On : 29 Nov 2025 10:51 am
Operator : SV112:smz
Sample : wg2147407-3,32,,ABN 11823 gmr1114C
Misc : wg2147407,,ical22560
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 01 09:07:15 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:05:30 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

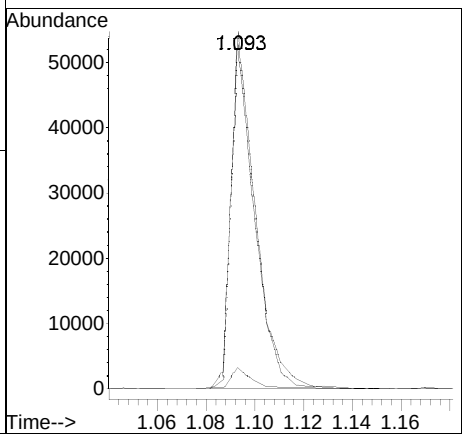


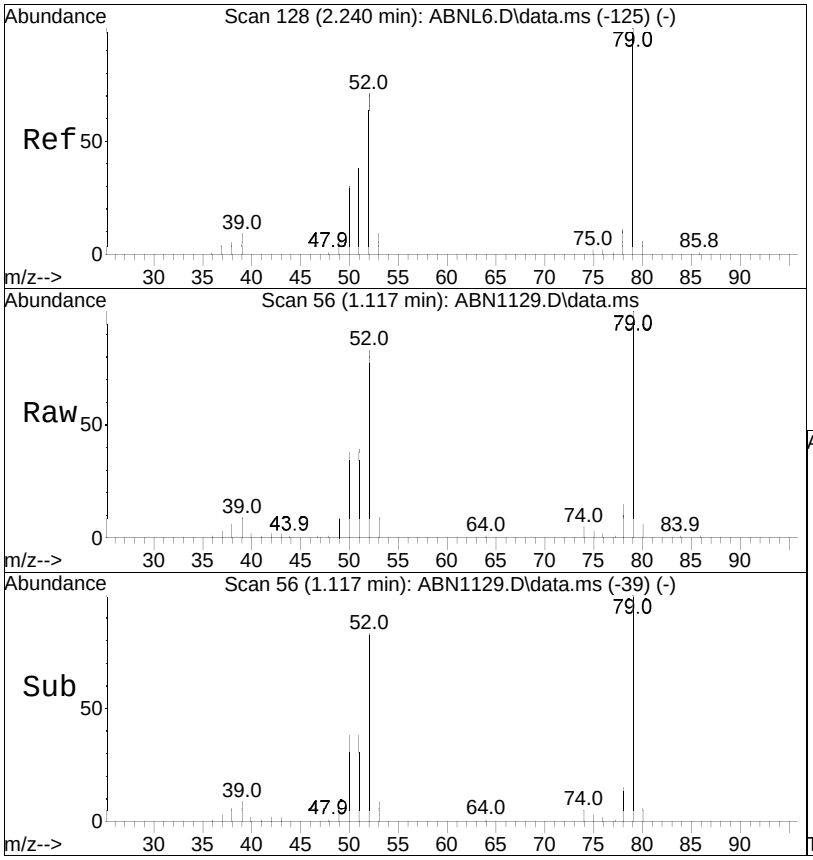


#2
n-Nitrosodimethylamine
Concen: 5.75 ug/ml
RT: 1.093 min Scan# 52
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion: 74 Resp: 37000

Ion	Ratio	Lower	Upper
74	100		
42	95.1	63.8	95.8
44	6.0	4.3	6.5

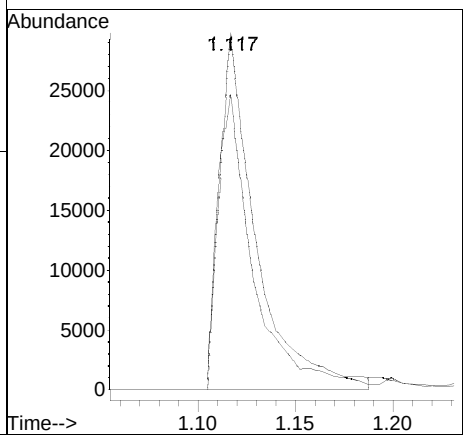


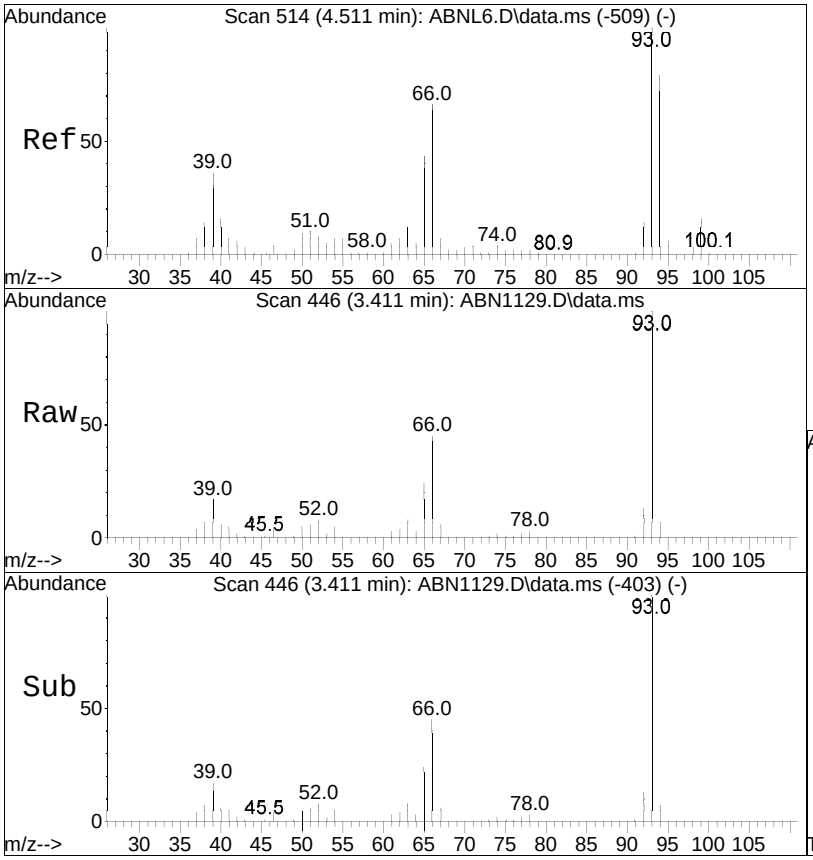


#3
Pyridine
Concen: 3.50 ug/ml
RT: 1.117 min Scan# 56
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion: 79 Resp: 38386

Ion	Ratio	Lower	Upper
79	100		
52	82.3	64.6	96.8

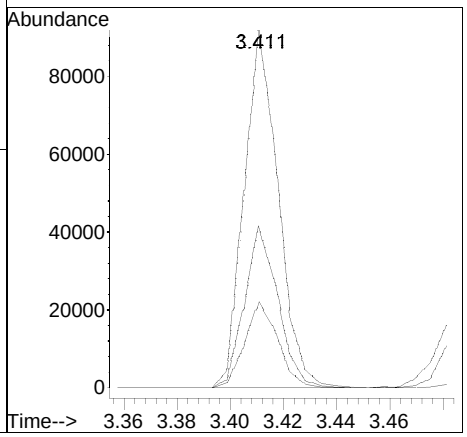


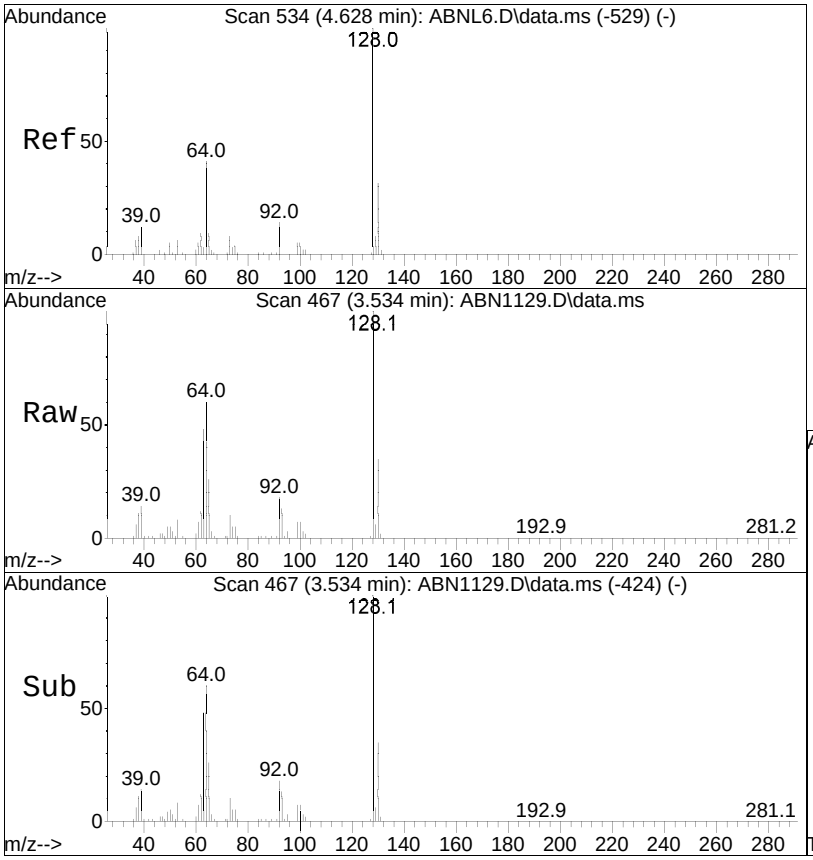


#5
Aniline
Concen: 4.42 ug/ml
RT: 3.411 min Scan# 446
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion: 93 Resp: 81139

Ion	Ratio	Lower	Upper
93	100		
66	44.4	31.3	46.9
65	23.6	16.6	25.0

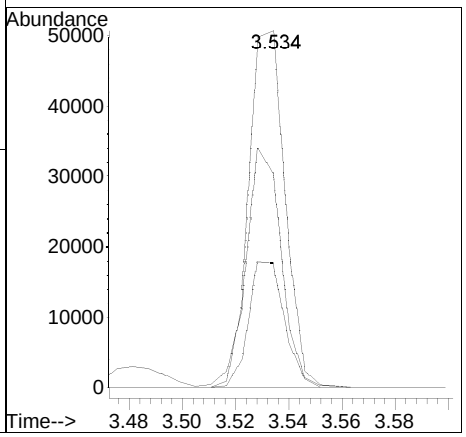


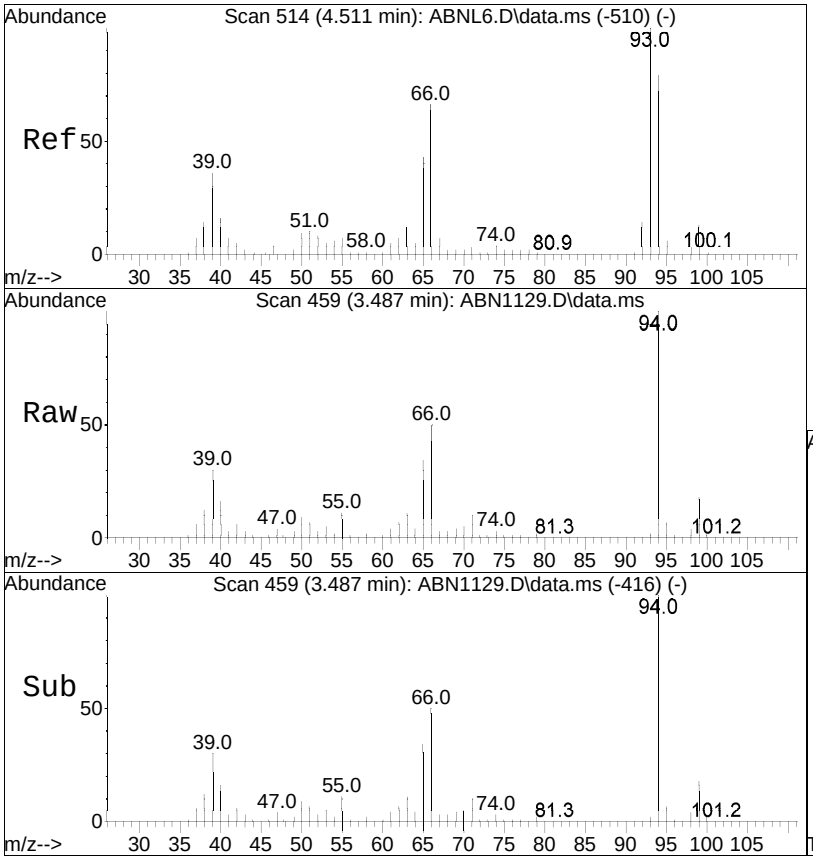


#6
2-Chlorophenol
Concen: 4.59 ug/ml
RT: 3.534 min Scan# 467
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:128 Resp: 48004

Ion	Ratio	Lower	Upper
128	100		
64	65.2	38.2	57.4#
130	34.9	26.2	39.2

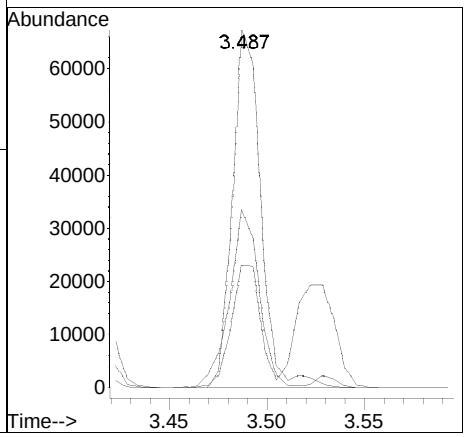


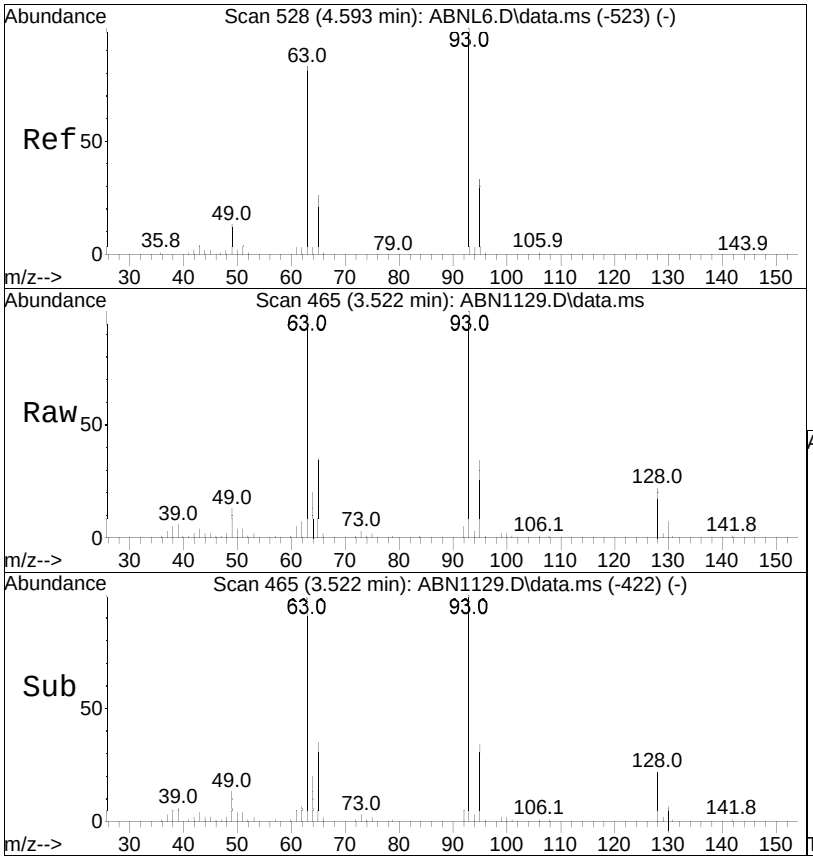


#8
Phenol
Concen: 5.24 ug/ml
RT: 3.487 min Scan# 459
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion: 94 Resp: 67371

Ion	Ratio	Lower	Upper
94	100		
65	36.0	23.0	34.6#
66	52.7	32.1	48.1#

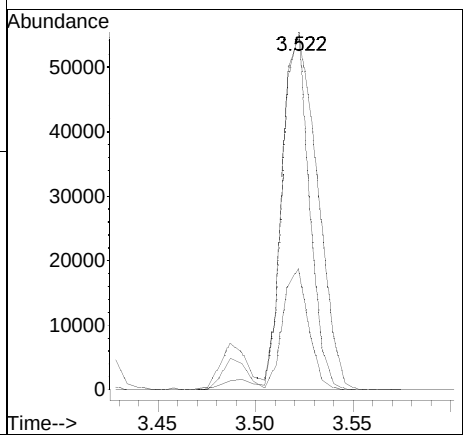


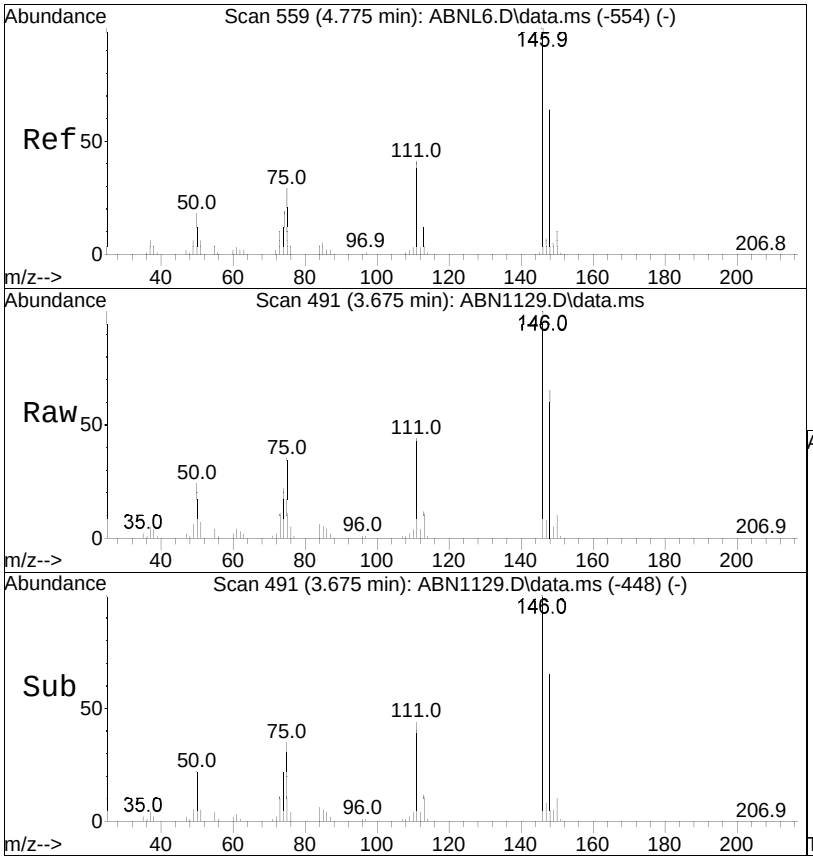


#9
Bis(2-chloroethyl)ether
Concen: 5.10 ug/ml
RT: 3.522 min Scan# 465
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion: 93 Resp: 54695

Ion	Ratio	Lower	Upper
93	100		
63	124.7	67.0	100.4#
95	31.4	26.1	39.1

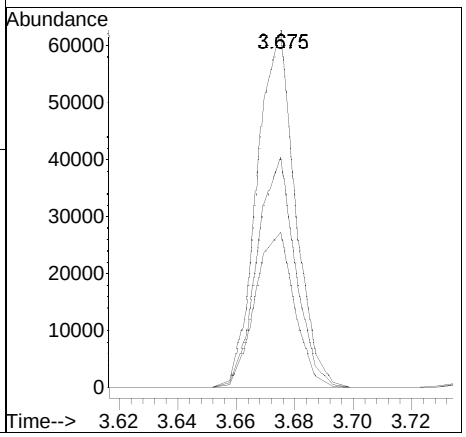


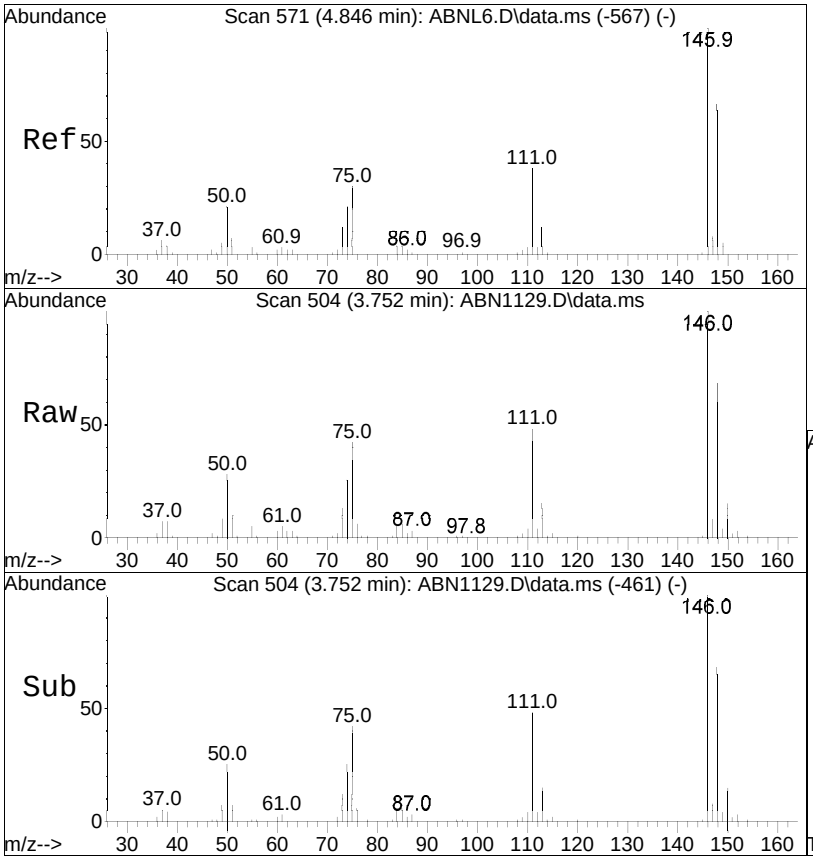


#10
1,3-Dichlorobenzene
Concen: 4.43 ug/ml
RT: 3.675 min Scan# 491
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:146 Resp: 56608

Ion	Ratio	Lower	Upper
146	100		
111	45.0	35.0	52.4
148	64.6	51.3	76.9

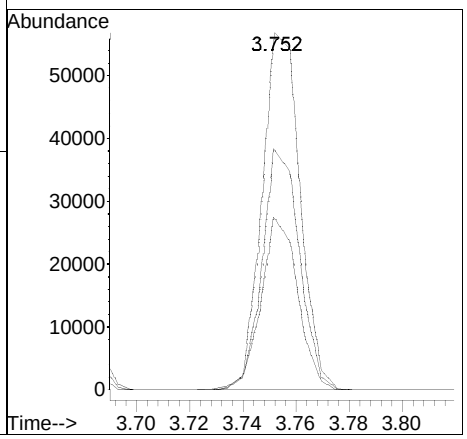


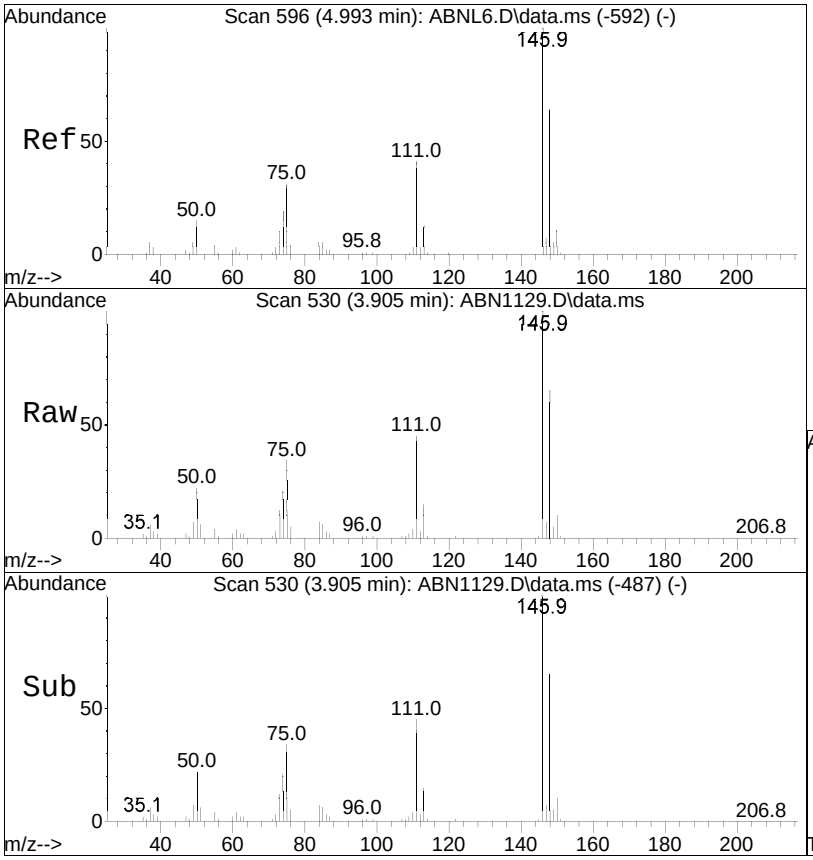


#11
1,4-Dichlorobenzene
Concen: 4.27 ug/ml
RT: 3.752 min Scan# 504
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:146 Resp: 55900

Ion	Ratio	Lower	Upper
146	100		
148	66.1	51.1	76.7
111	47.1	34.4	51.6

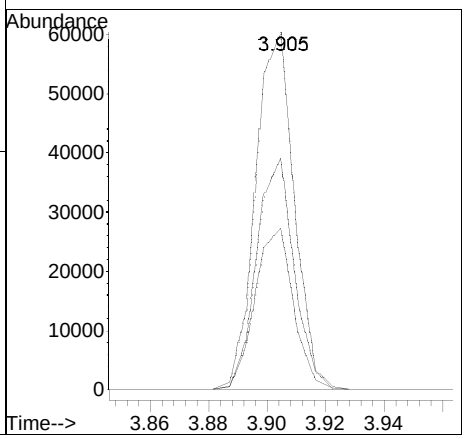


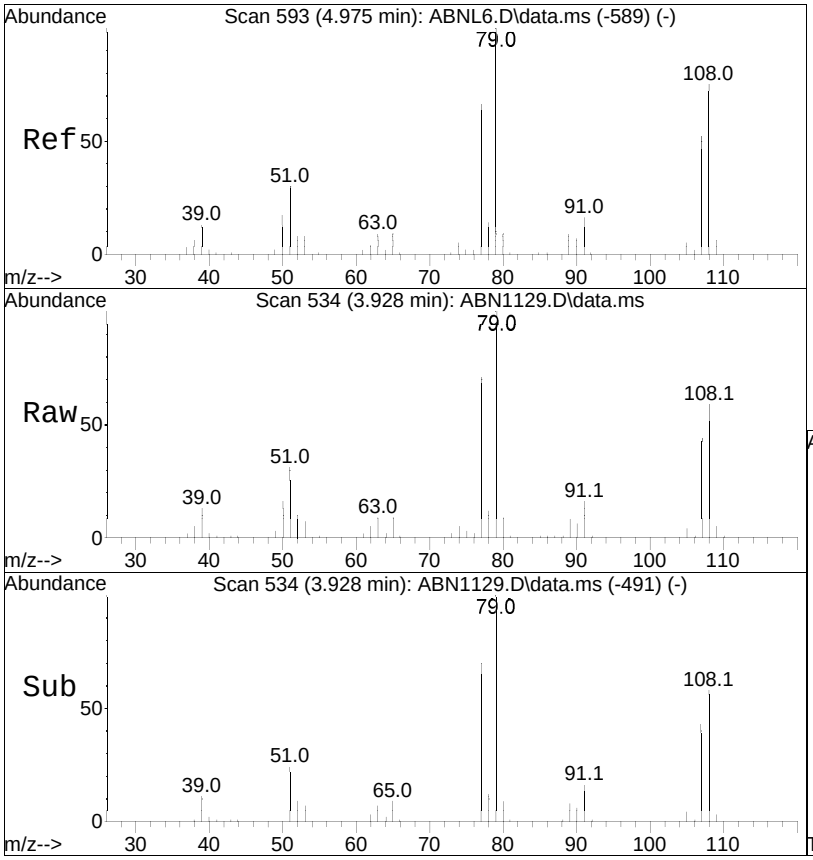


#12
1,2-Dichlorobenzene
Concen: 4.34 ug/ml
RT: 3.905 min Scan# 530
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:146 Resp: 54878

Ion	Ratio	Lower	Upper
146	100		
111	45.2	35.5	53.3
148	63.0	50.6	76.0

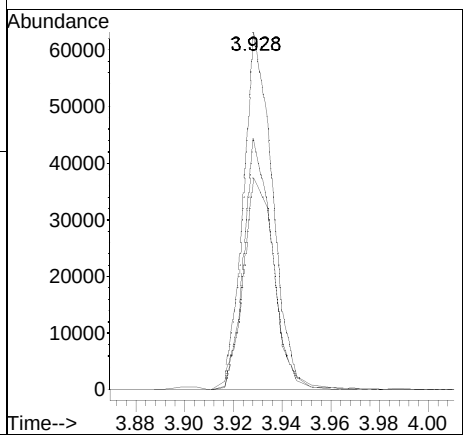


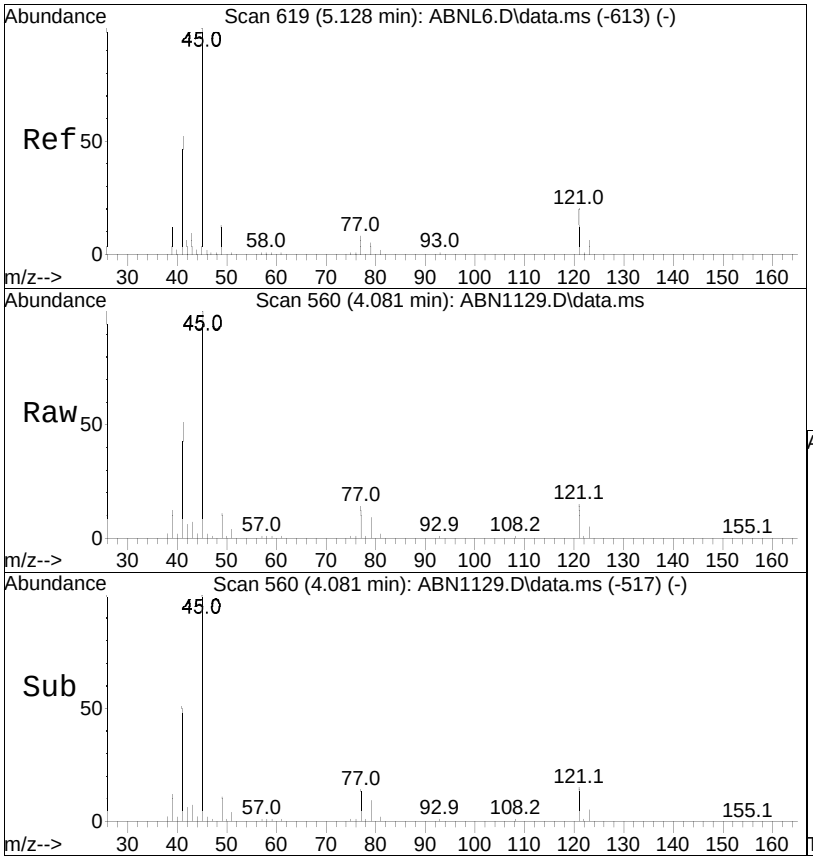


#13
Benzyl alcohol
Concen: 5.78 ug/ml
RT: 3.928 min Scan# 534
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion: 79 Resp: 52661

Ion	Ratio	Lower	Upper
79	100		
77	68.5	51.8	77.6
108	61.6	63.9	95.9#

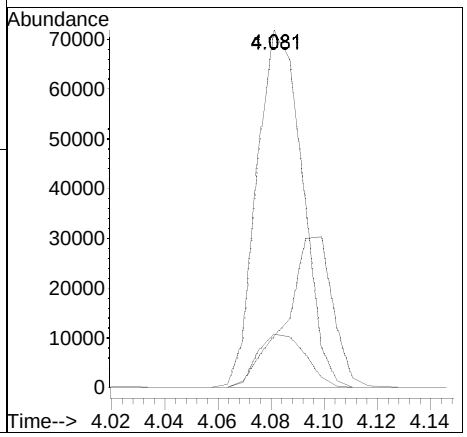


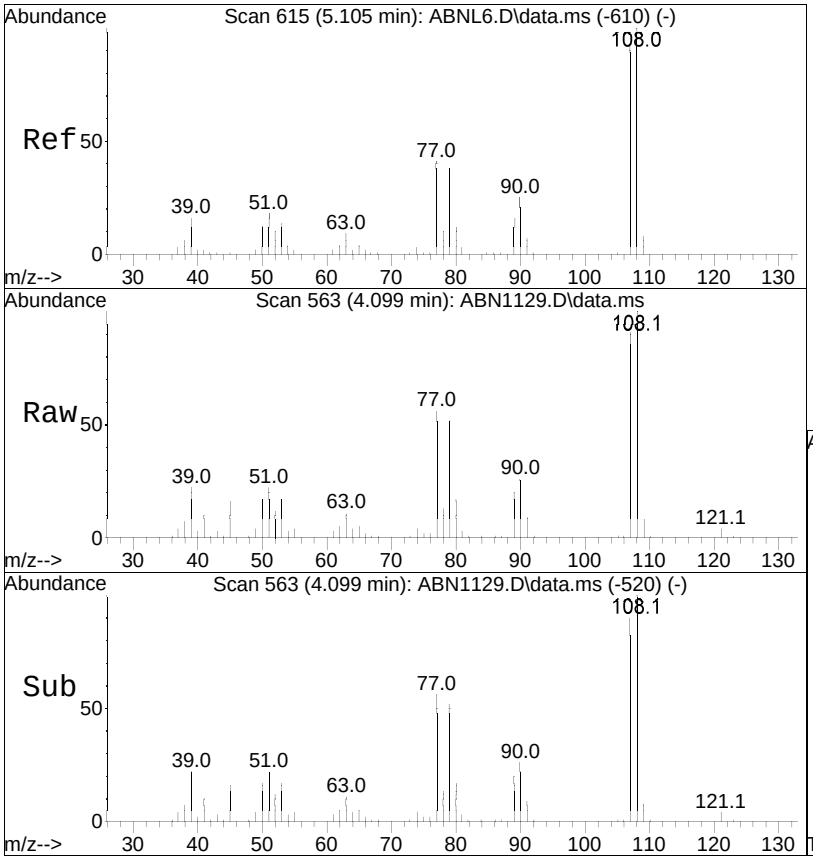


#14
Bis(2-chloroisopropyl)ether
Concen: 4.86 ug/ml
RT: 4.081 min Scan# 560
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion: 45 Resp: 84891

Ion	Ratio	Lower	Upper
45	100		
121	15.9	14.8	22.2
77	44.2	10.5	15.7#

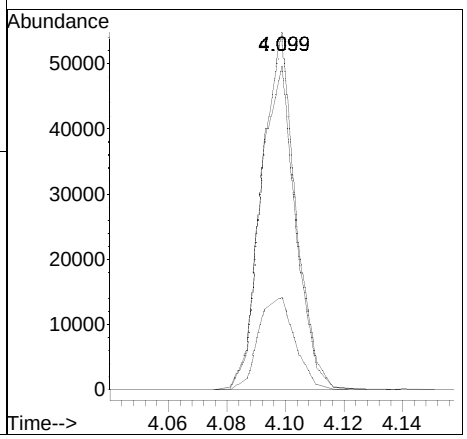


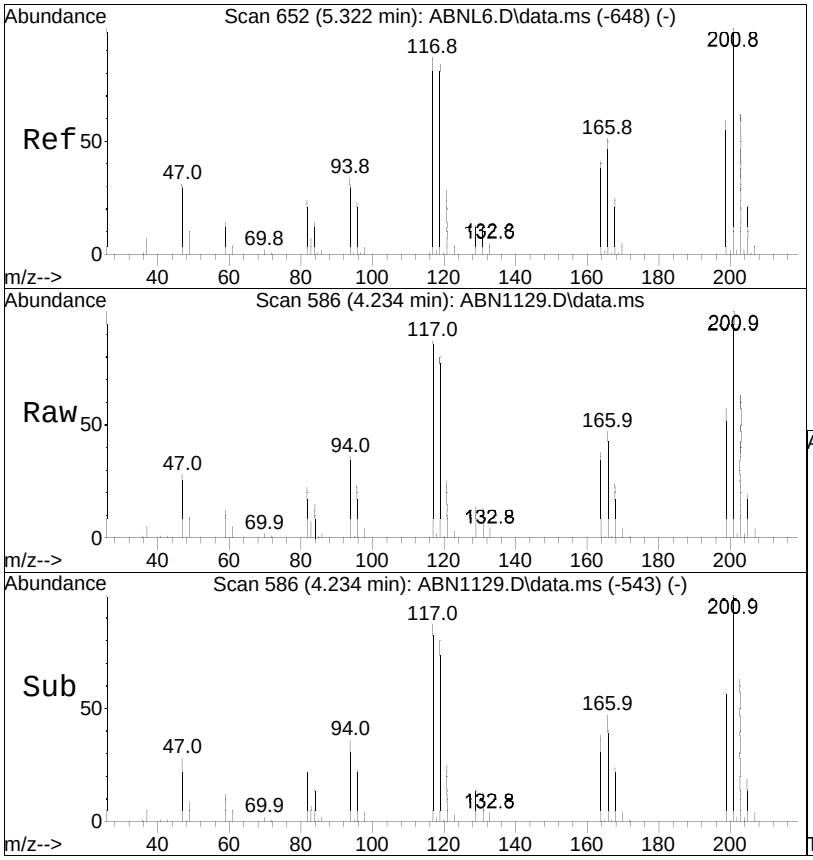


#15
2-Methylphenol
Concen: 4.71 ug/ml
RT: 4.099 min Scan# 563
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:108 Resp: 44166

Ion	Ratio	Lower	Upper
108	100		
107	93.3	71.0	106.4
90	27.8	19.7	29.5

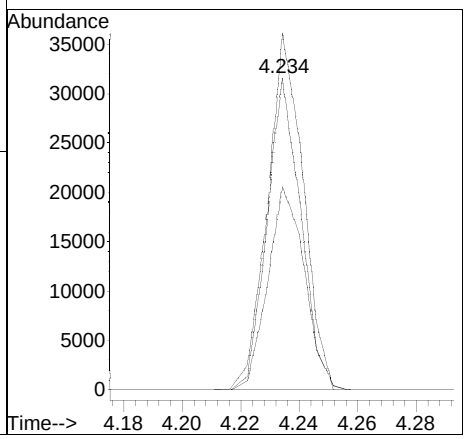


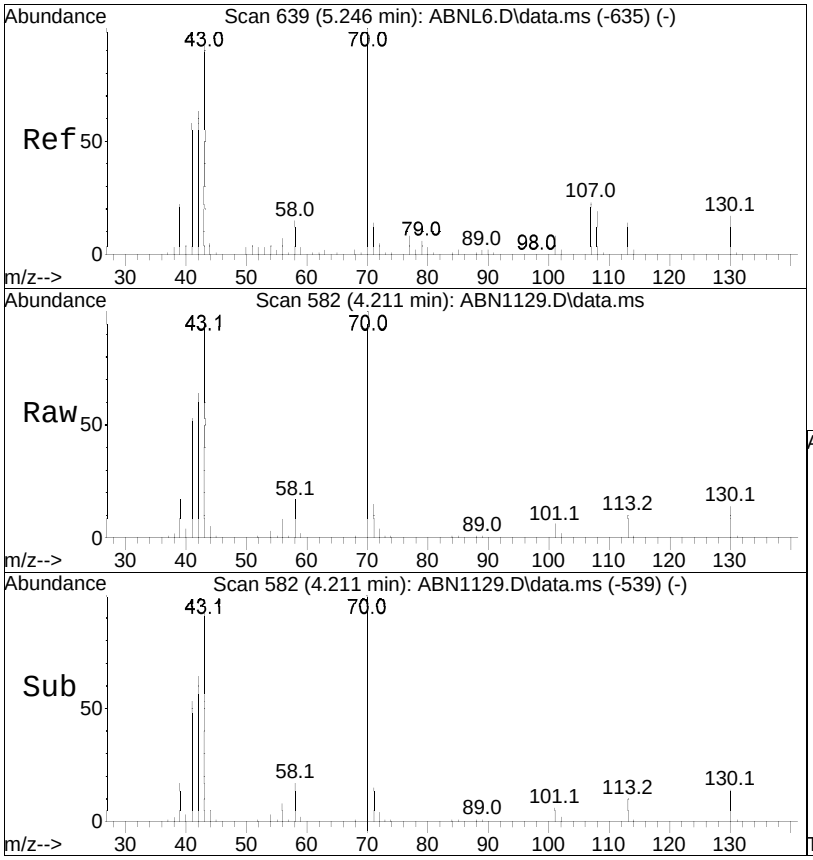


#16
Hexachloroethane
Concen: 5.37 ug/ml
RT: 4.234 min Scan# 586
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:117 Resp: 26006

Ion	Ratio	Lower	Upper
117	100		
201	113.4	64.4	96.6#
199	68.9	40.5	60.7#

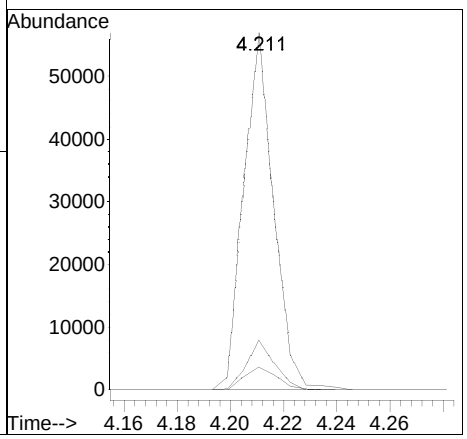


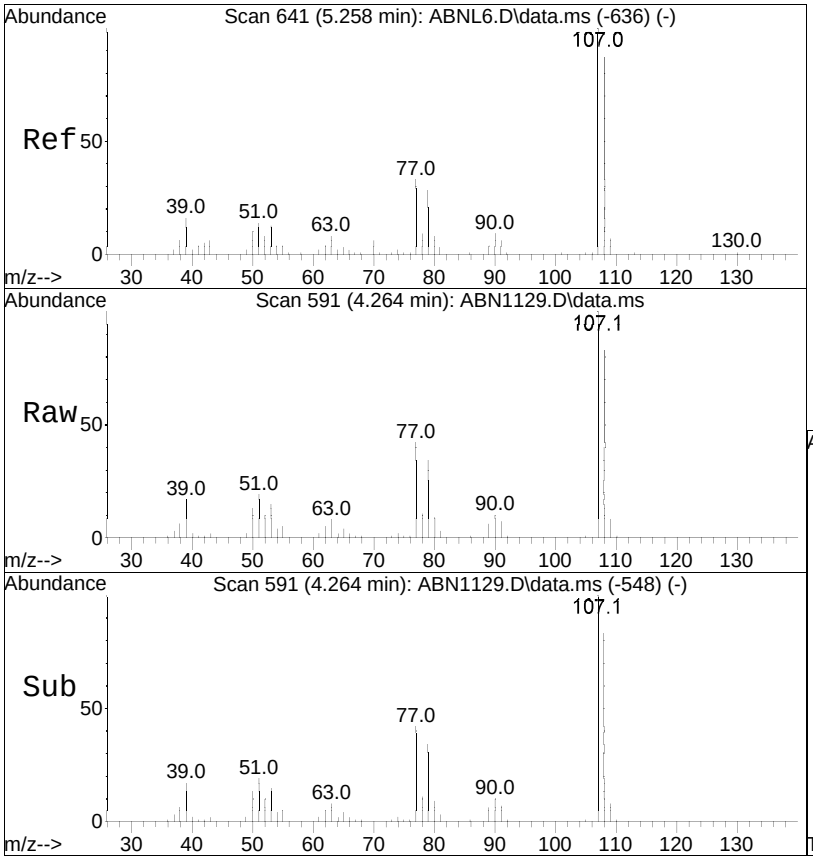


#17
n-Nitrosodi-n-propylamine
Concen: 5.29 ug/ml
RT: 4.211 min Scan# 582
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion: 70 Resp: 44395

Ion	Ratio	Lower	Upper
70	100		
130	13.3	16.2	24.4#
101	7.0	7.6	11.4#

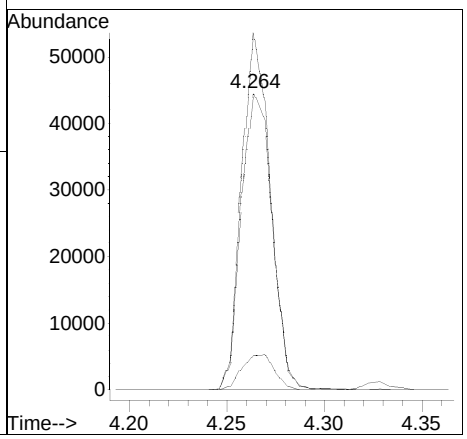


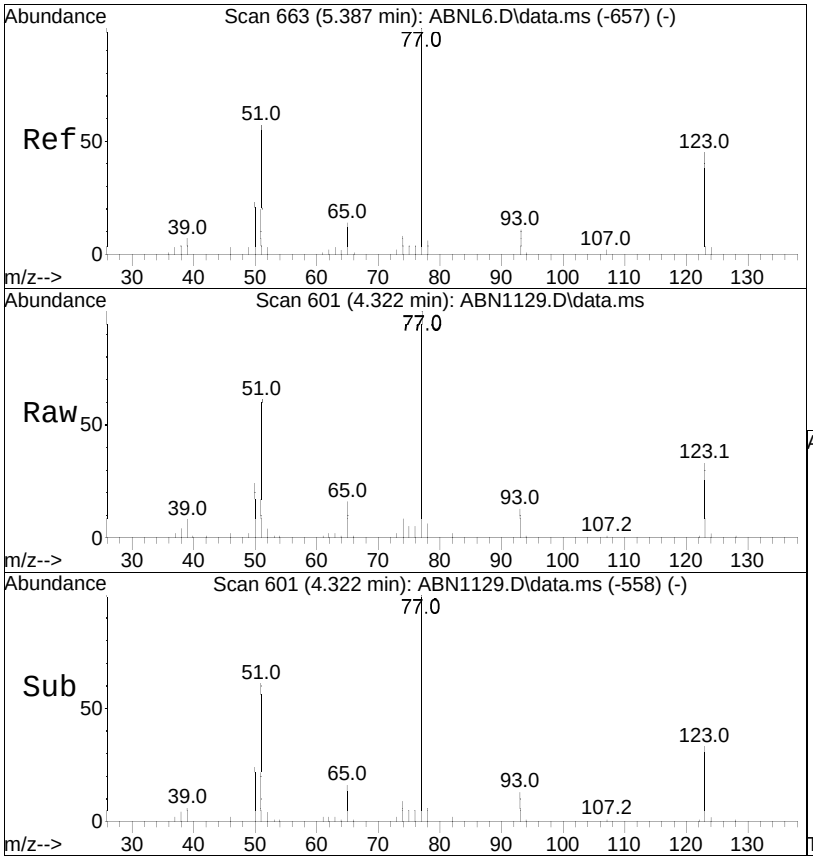


#18
3-Methylphenol/4-Methylphenol
Concen: 4.74 ug/ml
RT: 4.264 min Scan# 591
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:108 Resp: 48955

Ion	Ratio	Lower	Upper
108	100		
107	111.8	88.8	133.2
90	12.5	9.0	13.6

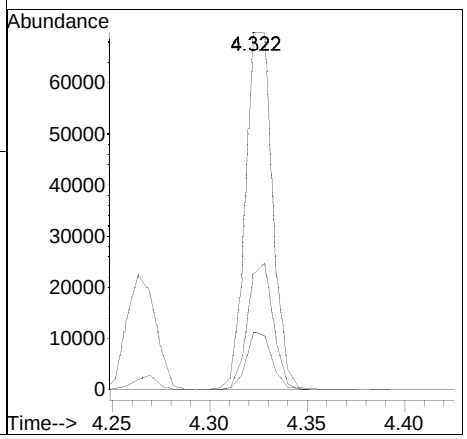


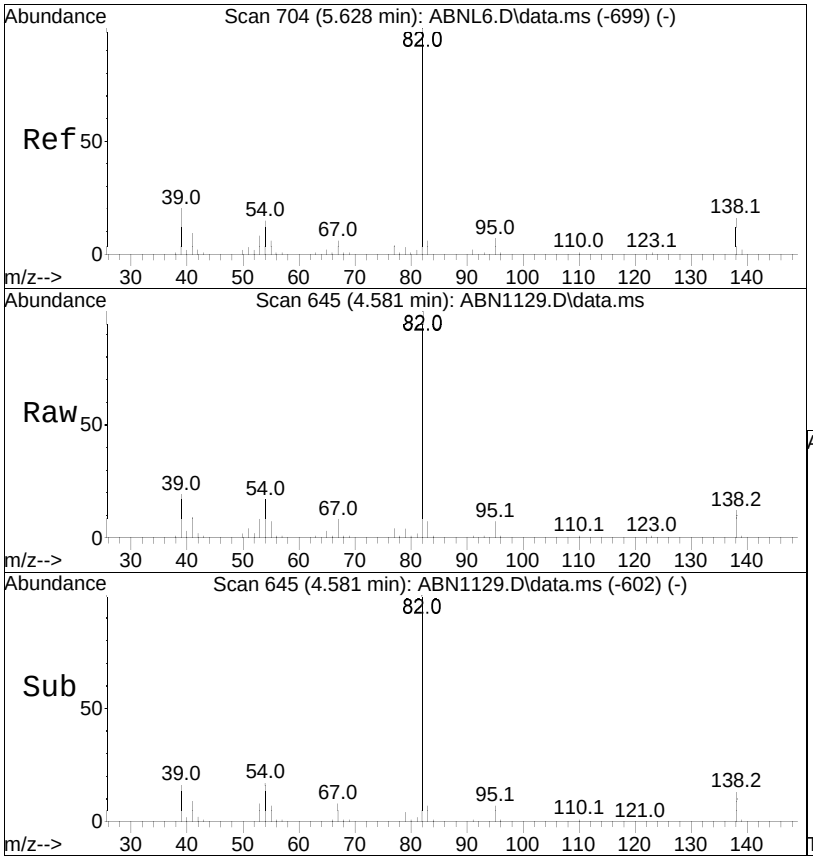


#20
Nitrobenzene
Concen: 5.91 ug/ml
RT: 4.322 min Scan# 601
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion: 77 Resp: 67472

Ion	Ratio	Lower	Upper
77	100		
123	33.8	37.3	55.9#
65	15.4	10.9	16.3

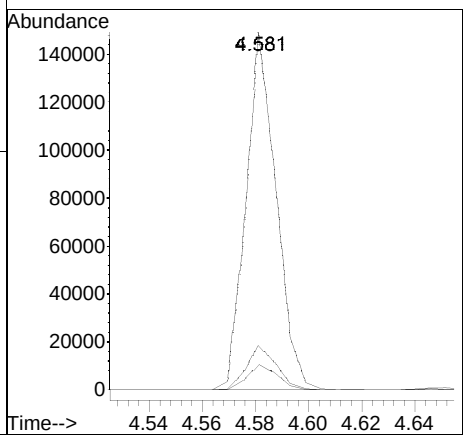


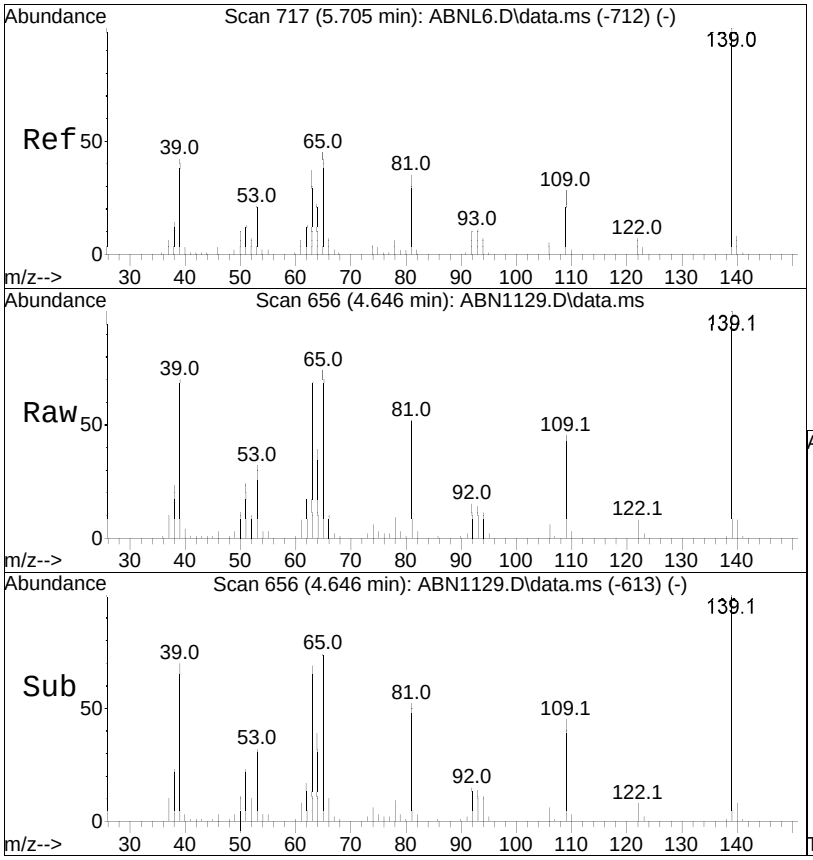


#21
Isophorone
Concen: 5.00 ug/ml
RT: 4.581 min Scan# 645
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion: 82 Resp: 115906

Ion	Ratio	Lower	Upper
82	100		
138	12.5	13.0	19.4#
95	7.2	5.5	8.3

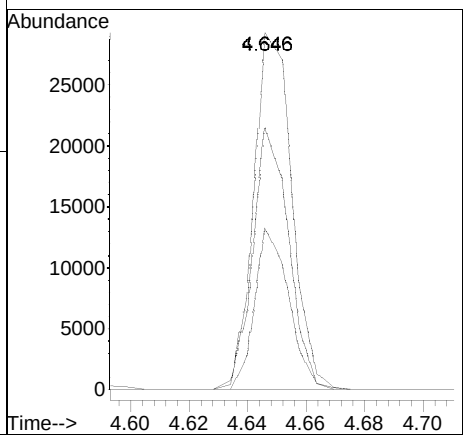


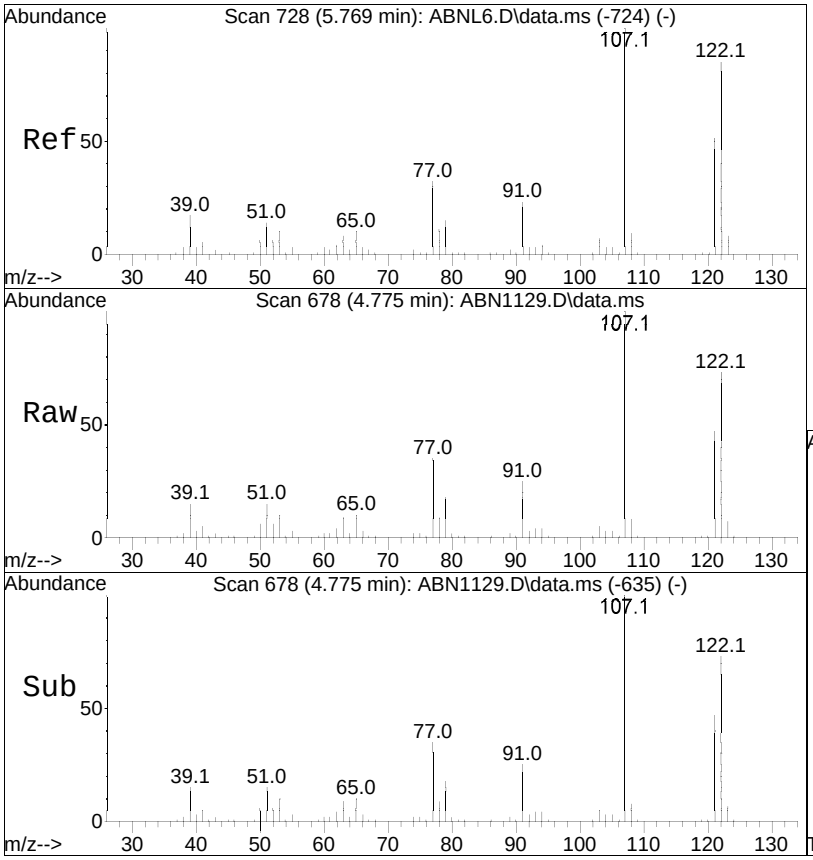


#22
2-Nitrophenol
Concen: 4.28 ug/ml
RT: 4.646 min Scan# 656
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:139 Resp: 26301

Ion	Ratio	Lower	Upper
139	100		
109	41.0	23.1	34.7#
65	69.4	41.4	62.2#

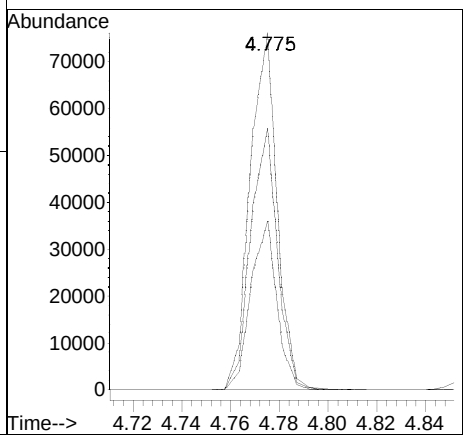


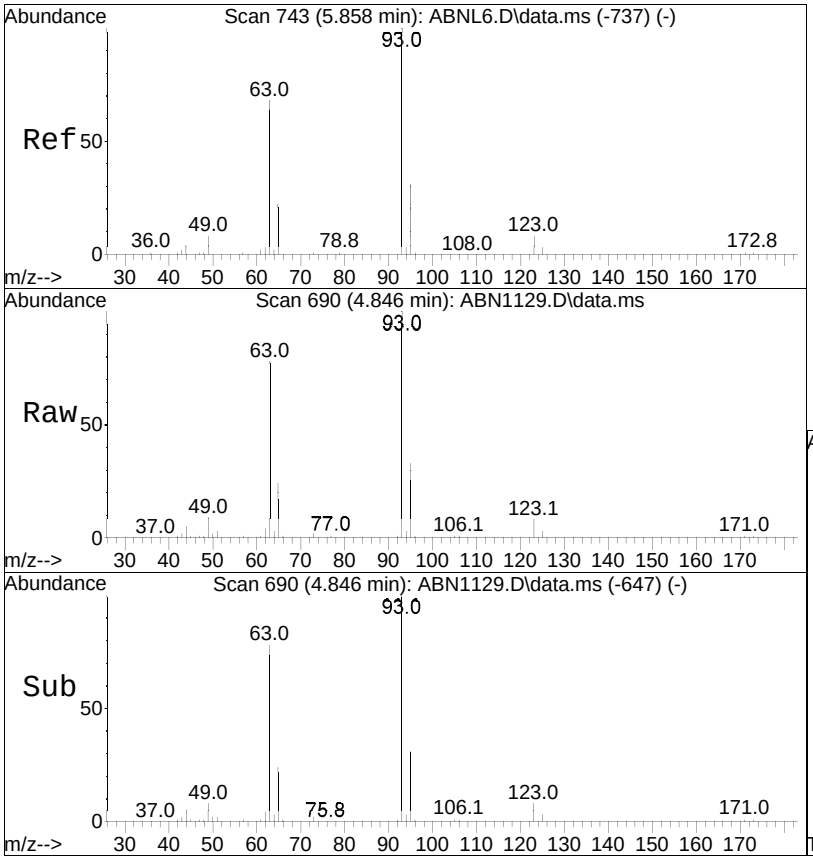


#23
2,4-Dimethylphenol
Concen: 4.78 ug/ml
RT: 4.775 min Scan# 678
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:107 Resp: 58619

Ion	Ratio	Lower	Upper
107	100		
121	45.9	41.3	61.9
122	72.6	69.3	103.9

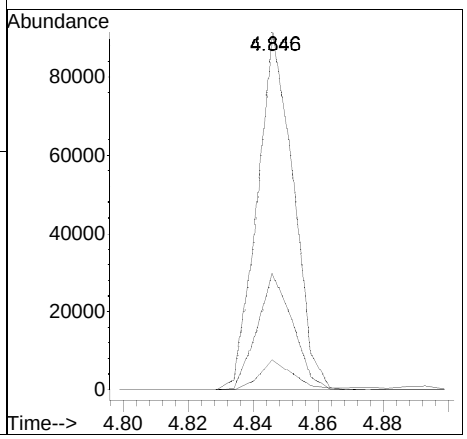


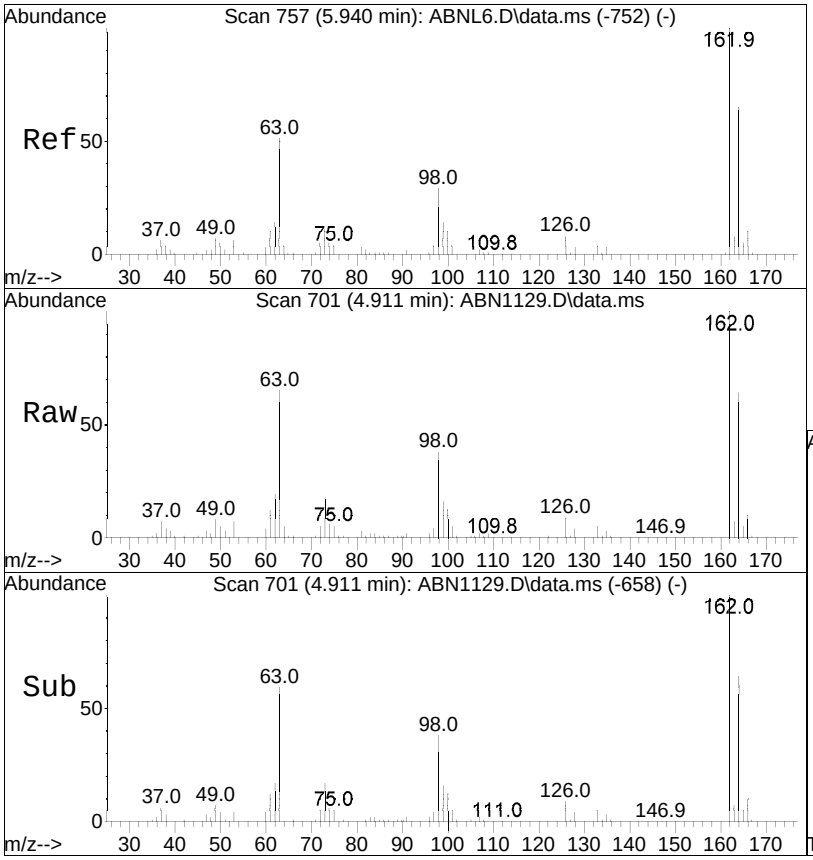


#24
Bis(2-chloroethoxy)methane
Concen: 4.75 ug/ml
RT: 4.846 min Scan# 690
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion: 93 Resp: 69850

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.8	38.8
123	8.3	9.6	14.4#

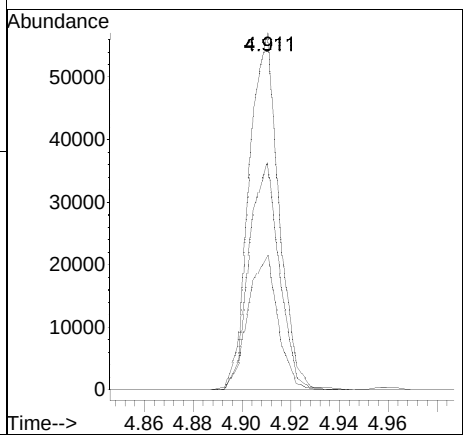


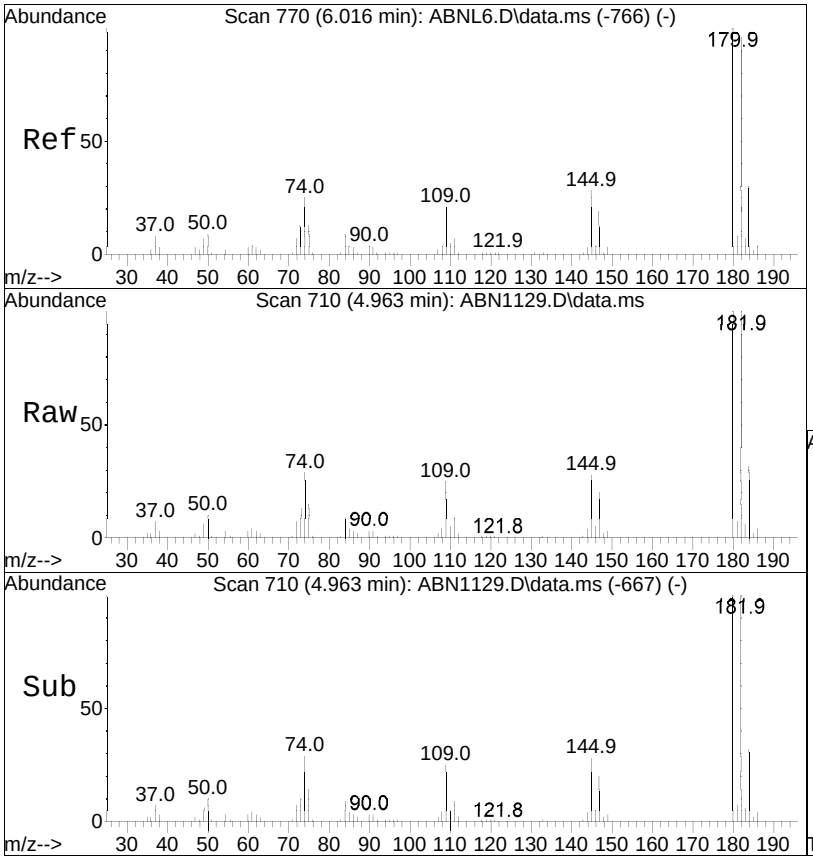


#25
2,4-Dichlorophenol
Concen: 4.42 ug/ml
RT: 4.911 min Scan# 701
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:162 Resp: 47991

Ion	Ratio	Lower	Upper
162	100		
164	64.5	51.1	76.7
98	38.1	32.2	48.2

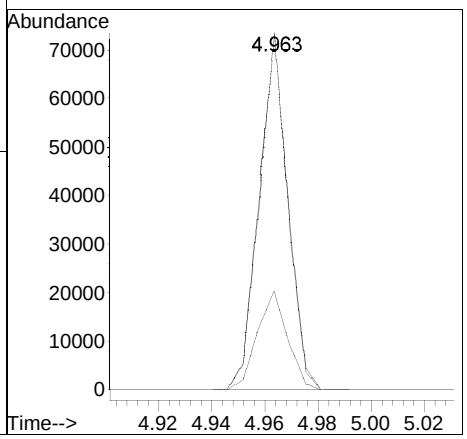


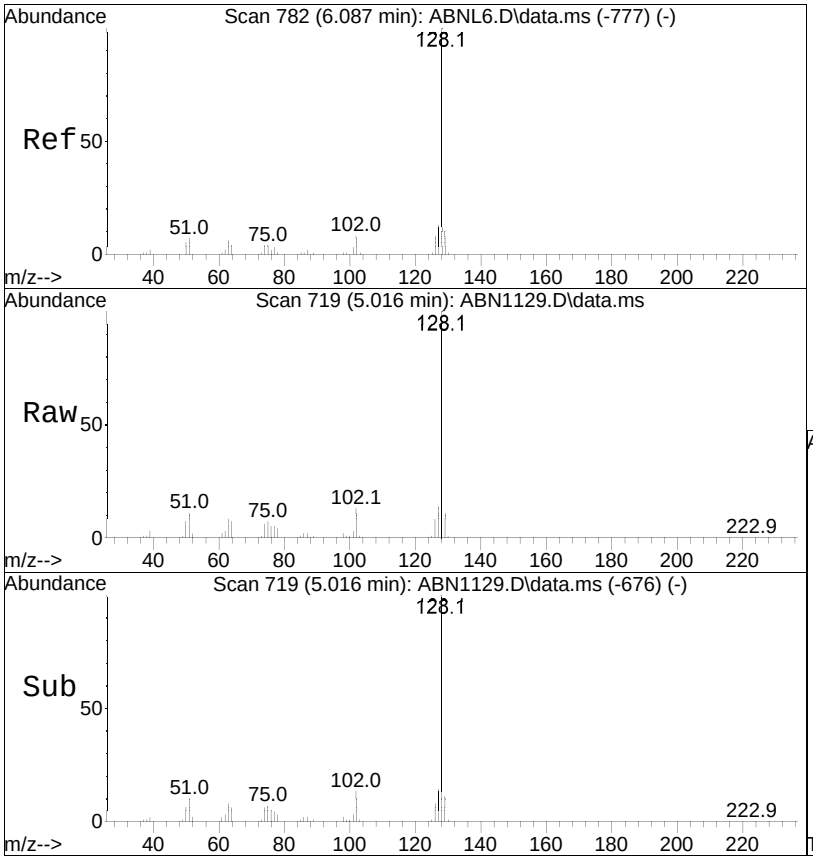


#26
1,2,4-Trichlorobenzene
Concen: 4.41 ug/ml
RT: 4.963 min Scan# 710
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:180 Resp: 55187

Ion	Ratio	Lower	Upper
180	100		
182	97.5	75.8	113.8
145	29.1	26.3	39.5

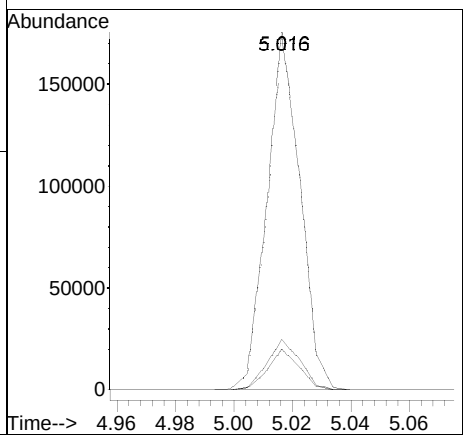


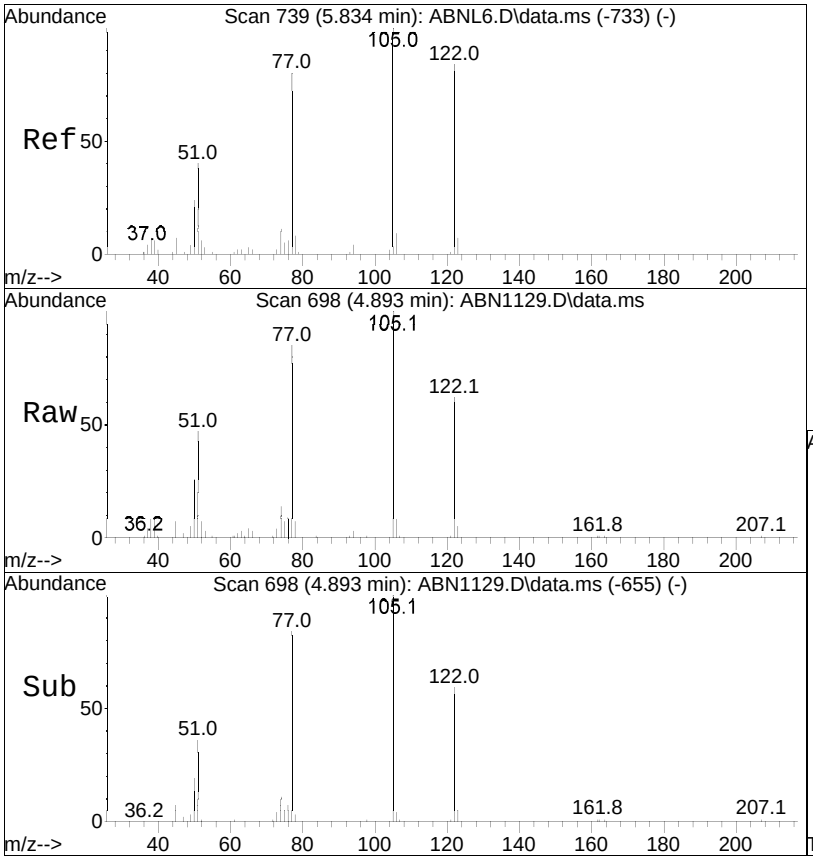


#36
Naphthalene
Concen: 4.50 ug/ml
RT: 5.016 min Scan# 719
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:128 Resp: 135399

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	14.2	10.6	15.8

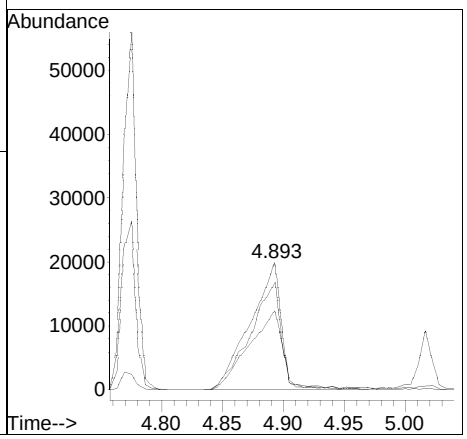


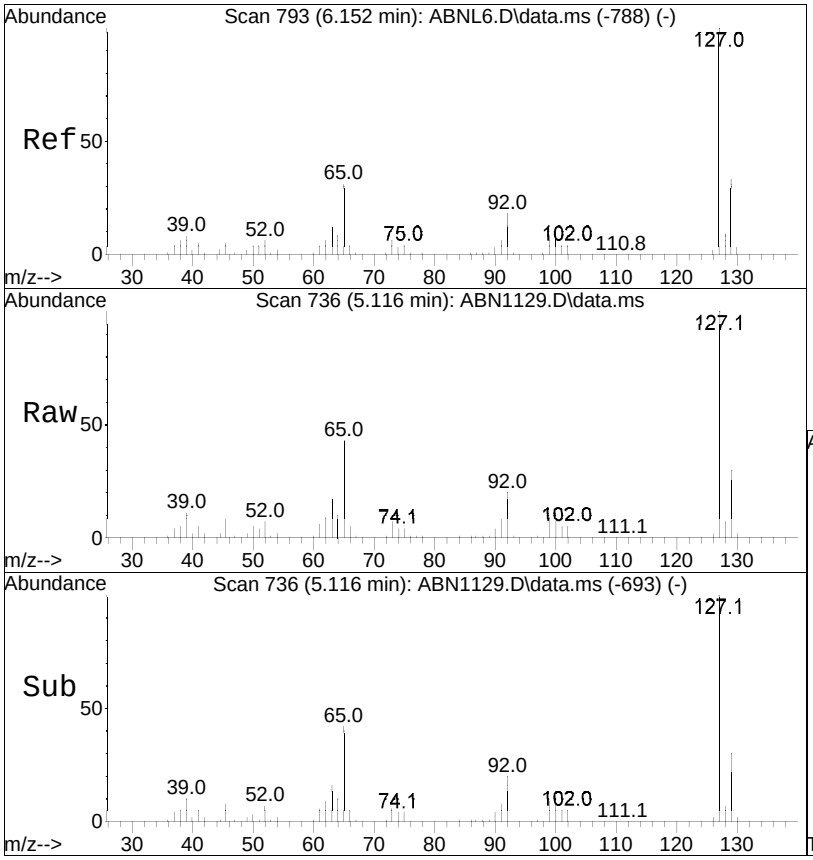


#37
Benzoic Acid
Concen: 5.31 ug/ml
RT: 4.893 min Scan# 698
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:105 Resp: 35762

Ion	Ratio	Lower	Upper
105	100		
122	66.5	62.6	93.8
77	83.7	59.1	88.7

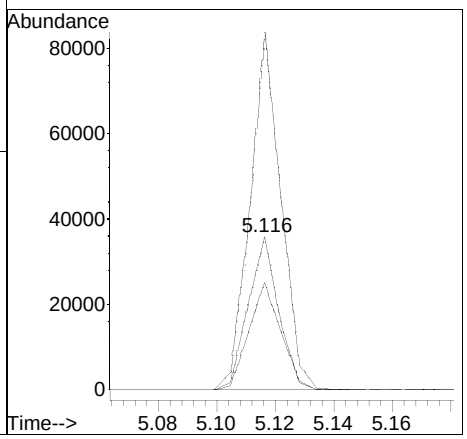


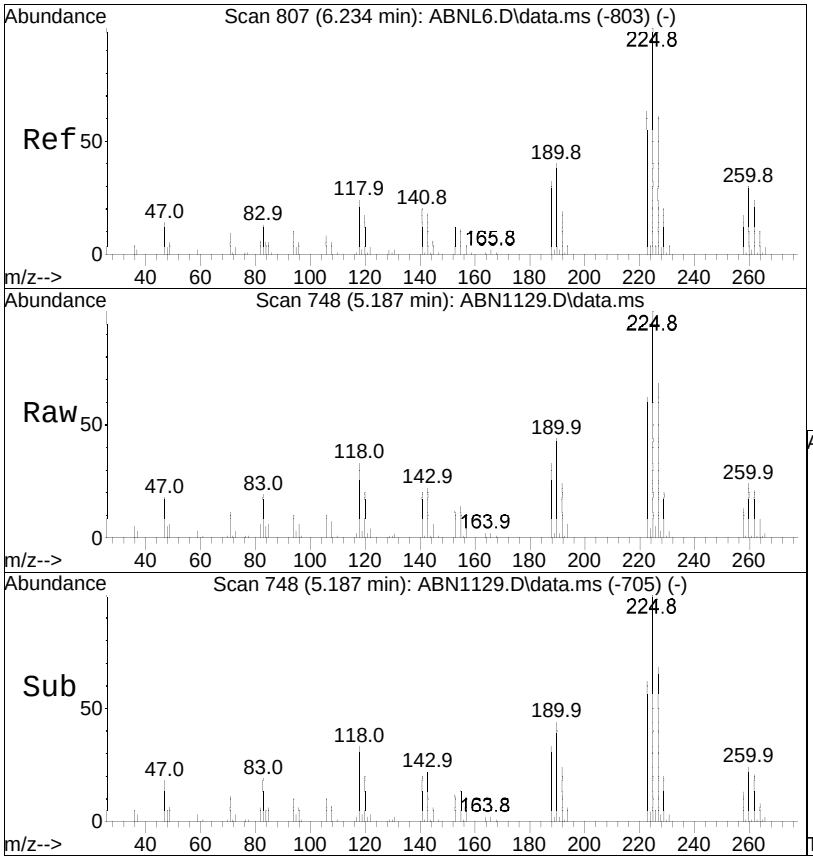


#38
4-Chloroaniline
Concen: 6.33 ug/ml
RT: 5.116 min Scan# 736
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion: 65 Resp: 25789

Ion	Ratio	Lower	Upper
65	100		
127	235.2	266.2	399.4#
129	74.0	85.0	127.4#

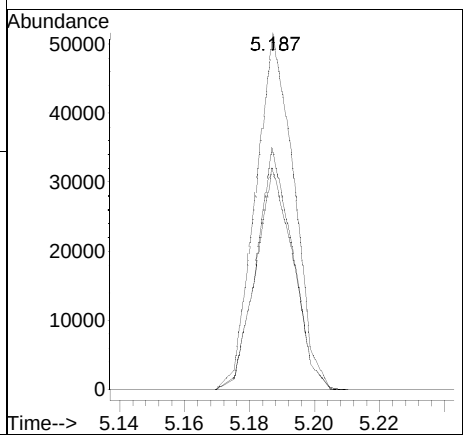


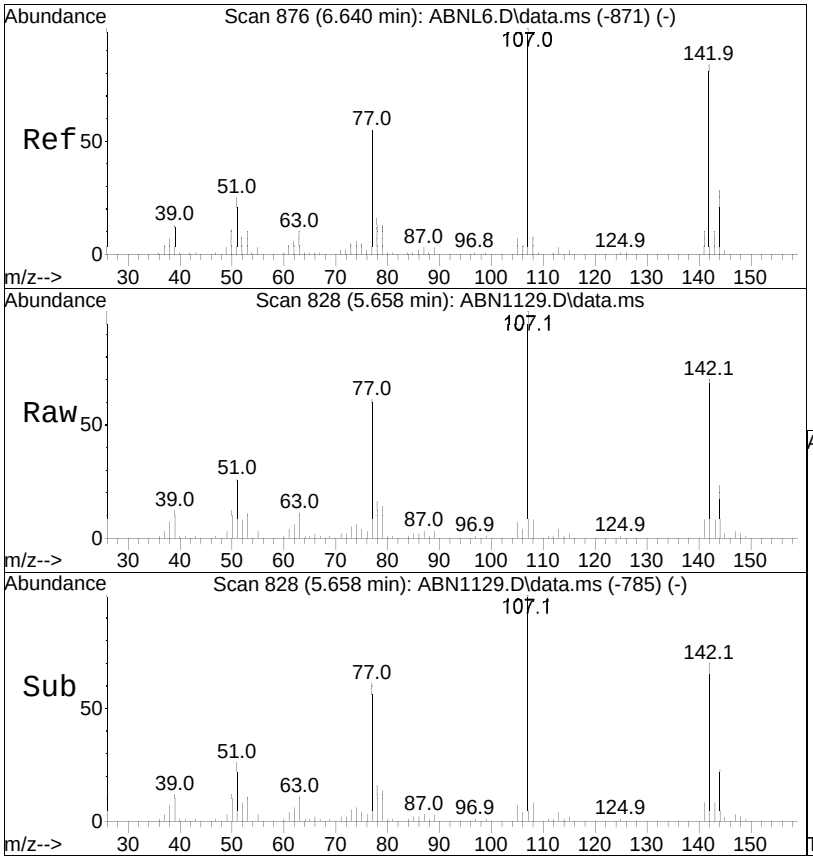


#39
Hexachlorobutadiene
Concen: 5.88 ug/ml
RT: 5.187 min Scan# 748
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:225 Resp: 42133

Ion	Ratio	Lower	Upper
225	100		
223	61.5	50.5	75.7
227	64.6	50.4	75.6

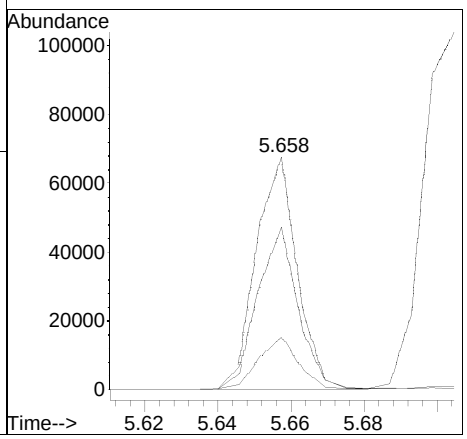


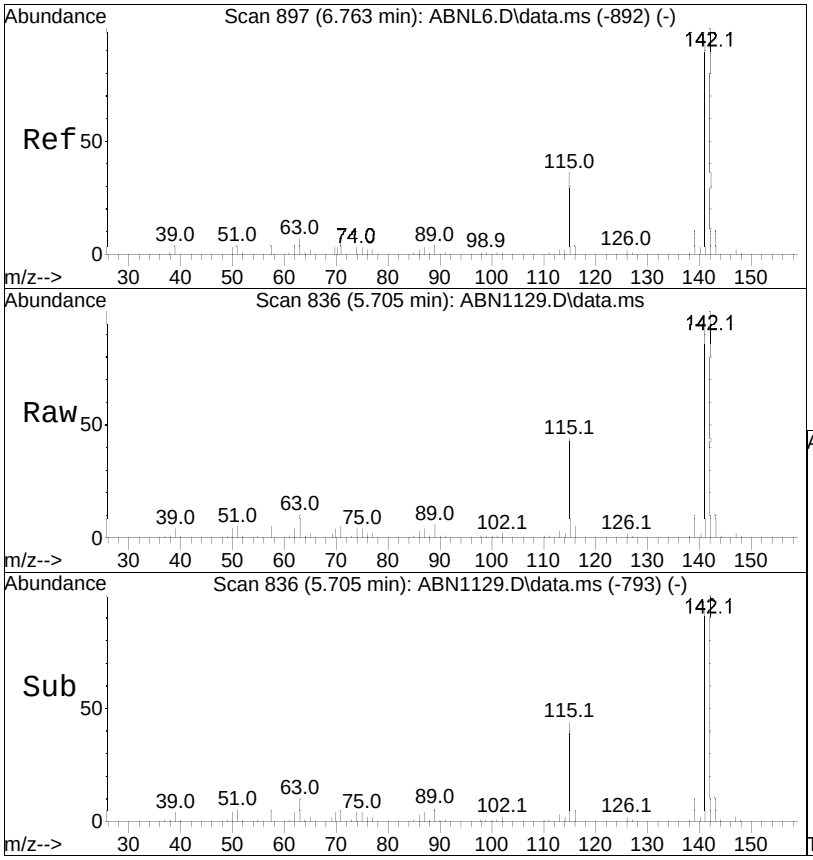


#40
p-Chloro-m-cresol
Concen: 5.64 ug/ml
RT: 5.658 min Scan# 828
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:107 Resp: 52506

Ion	Ratio	Lower	Upper
107	100		
144	22.3	20.3	30.5
142	69.3	63.8	95.6

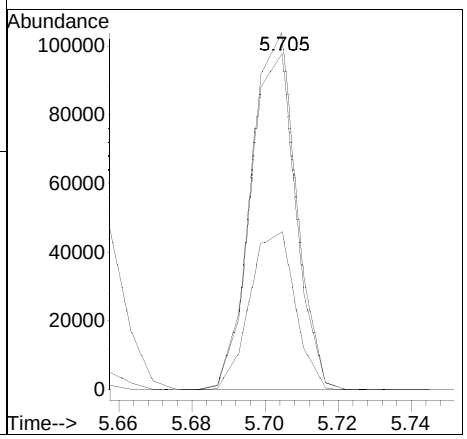


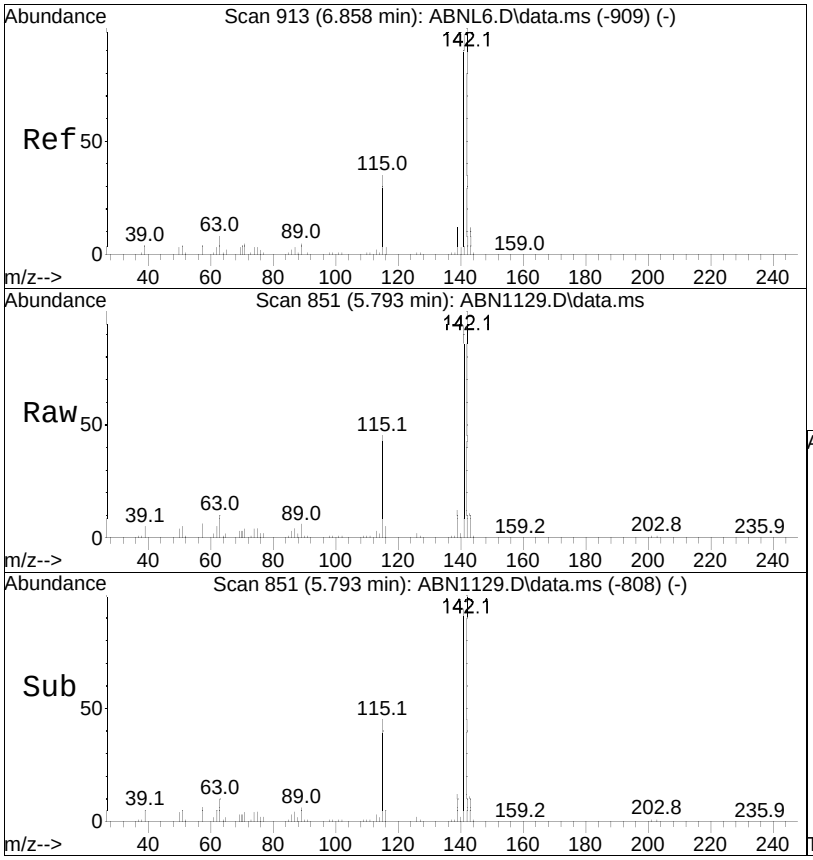


#41
2-Methylnaphthalene
Concen: 4.70 ug/ml
RT: 5.705 min Scan# 836
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:142 Resp: 89550

Ion	Ratio	Lower	Upper
142	100		
141	94.0	72.2	108.4
115	44.5	27.8	41.6#

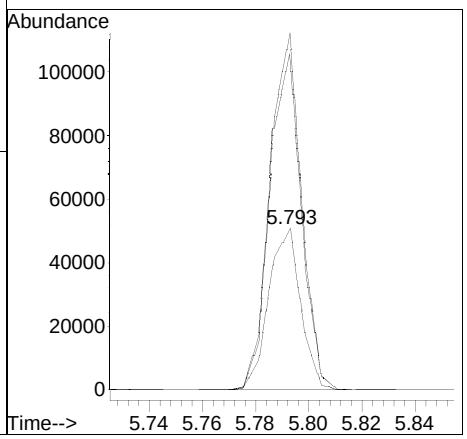


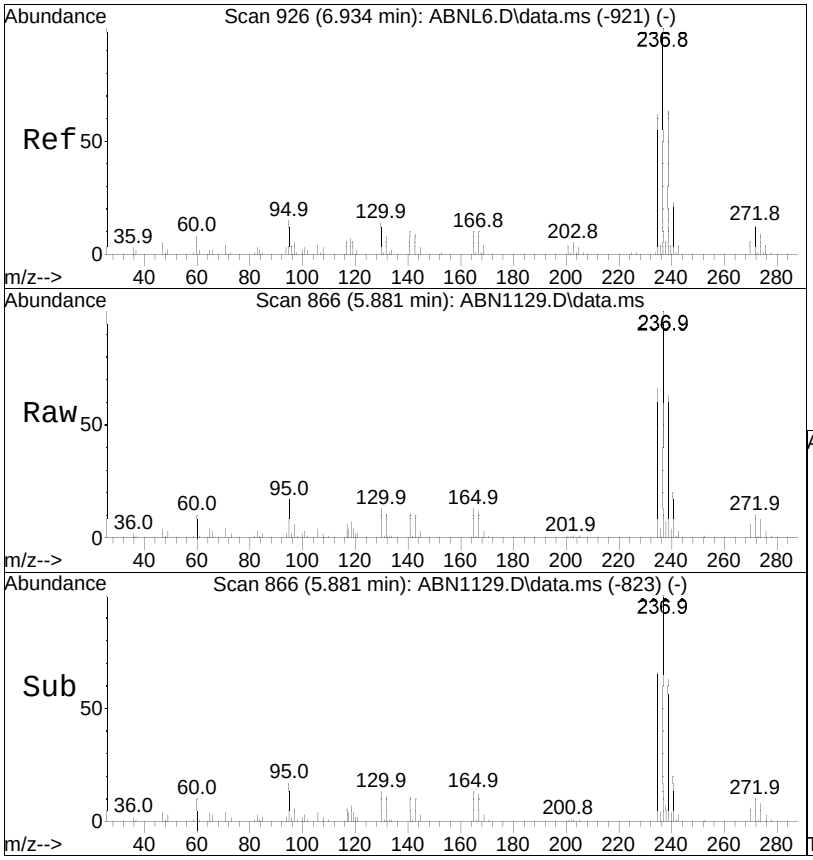


#42
1-Methylnaphthalene
Concen: 5.61 ug/ml M3
RT: 5.793 min Scan# 851
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:115 Resp: 42822

Ion	Ratio	Lower	Upper
115	100		
141	196.7	205.4	308.2#
142	209.1	220.2	330.4#

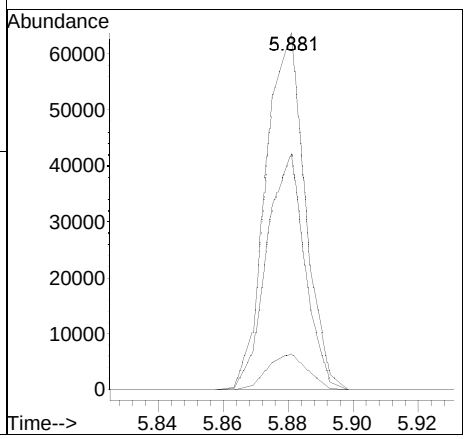


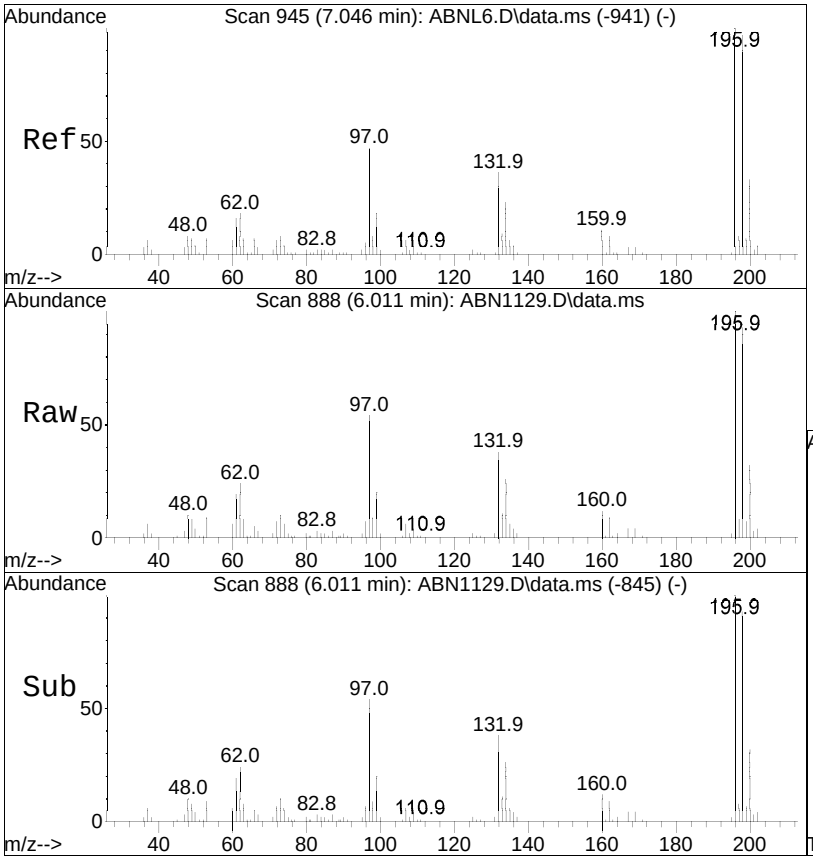


#43
Hexachlorocyclopentadiene
Concen: 5.54 ug/ml
RT: 5.881 min Scan# 866
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:237 Resp: 53381

Ion	Ratio	Lower	Upper
237	100		
235	64.4	50.9	76.3
272	10.3	10.1	15.1

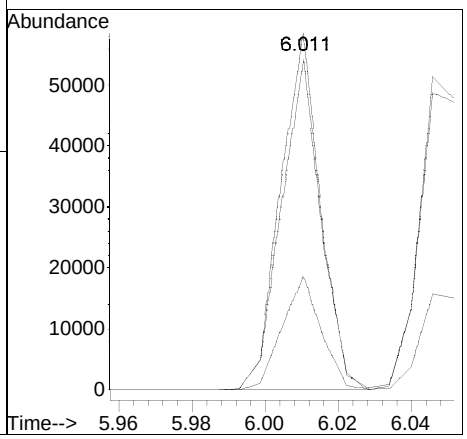


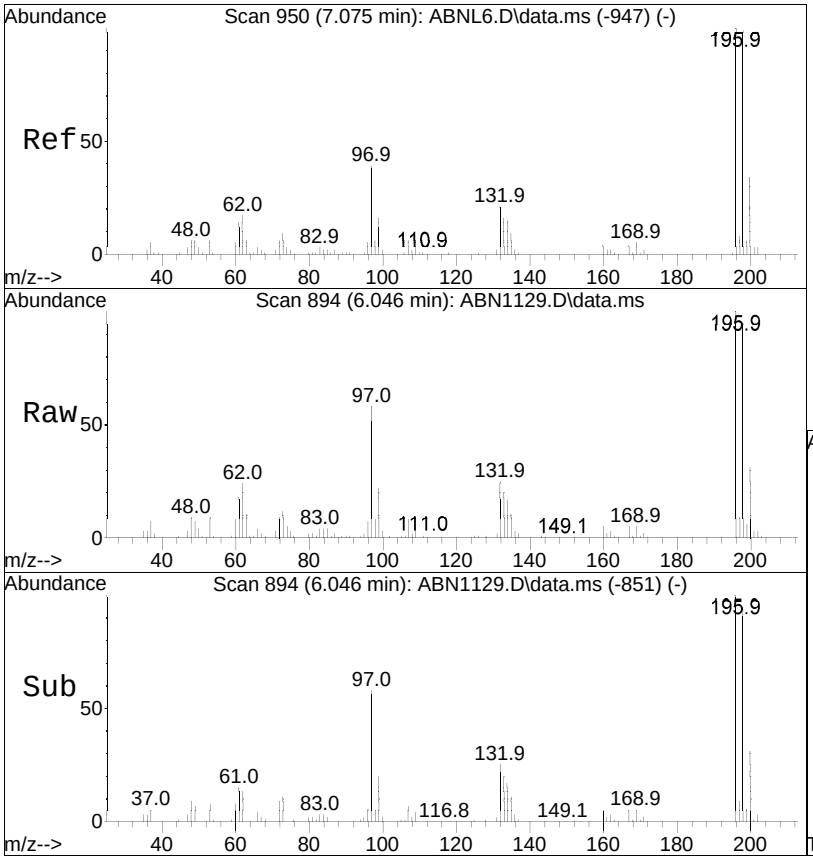


#44
2,4,6-Trichlorophenol
Concen: 4.95 ug/ml
RT: 6.011 min Scan# 888
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:196 Resp: 44237

Ion	Ratio	Lower	Upper
196	100		
198	91.7	76.4	114.6
200	31.1	24.4	36.6

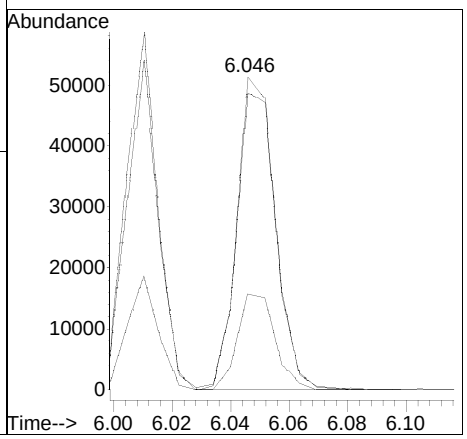


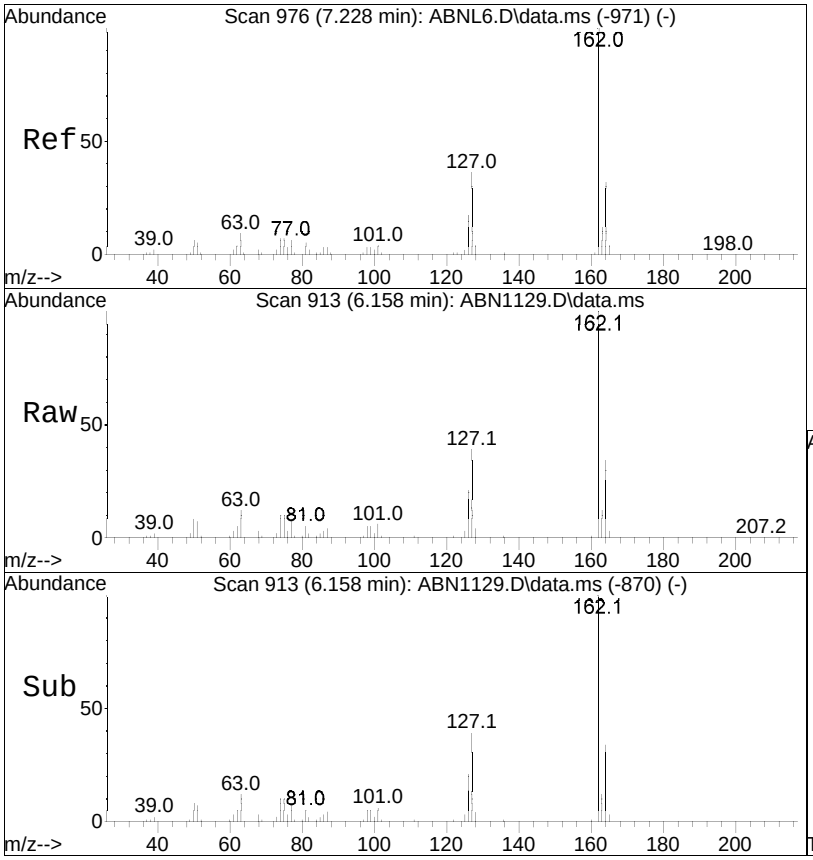


#45
2,4,5-Trichlorophenol
Concen: 4.95 ug/ml
RT: 6.046 min Scan# 894
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:196 Resp: 46389

Ion	Ratio	Lower	Upper
196	100		
200	30.7	24.2	36.4
198	98.3	76.2	114.2

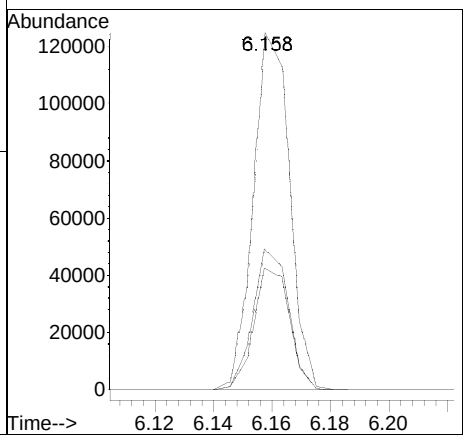


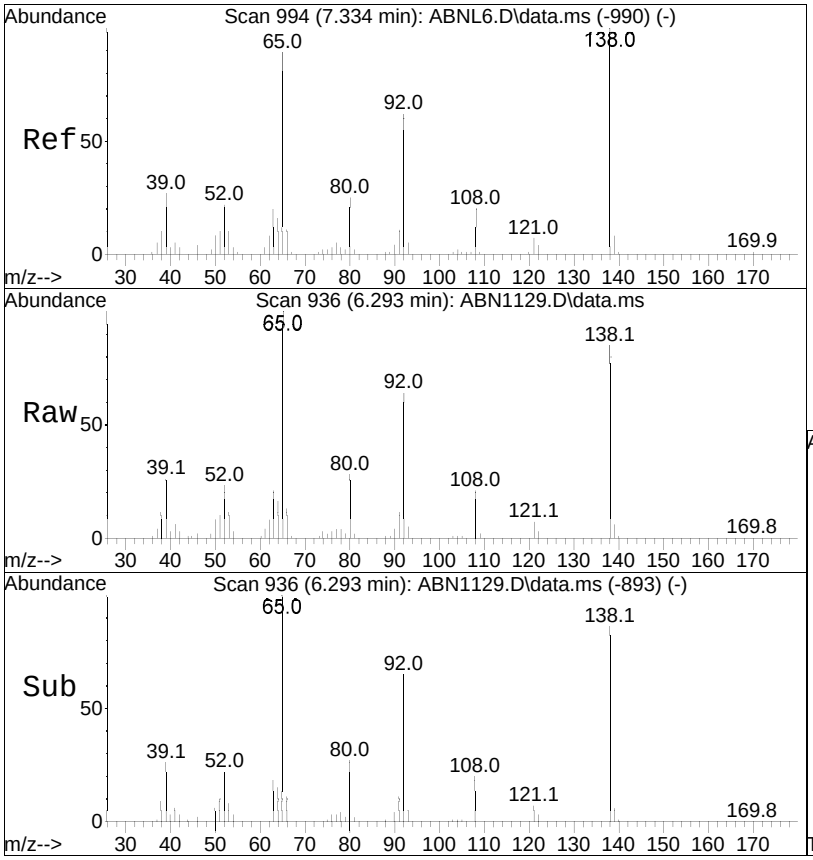


#47
2-Chloronaphthalene
Concen: 4.80 ug/ml
RT: 6.158 min Scan# 913
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:162 Resp: 106686

Ion	Ratio	Lower	Upper
162	100		
127	38.8	33.8	50.6
164	34.0	25.8	38.6

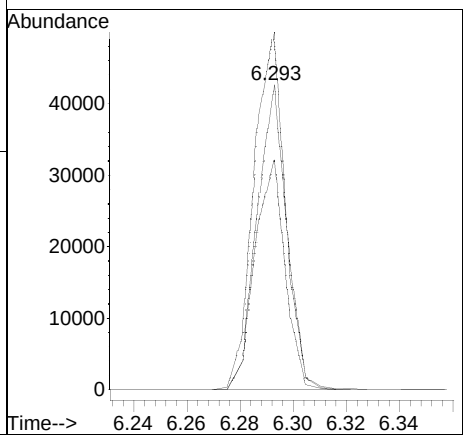


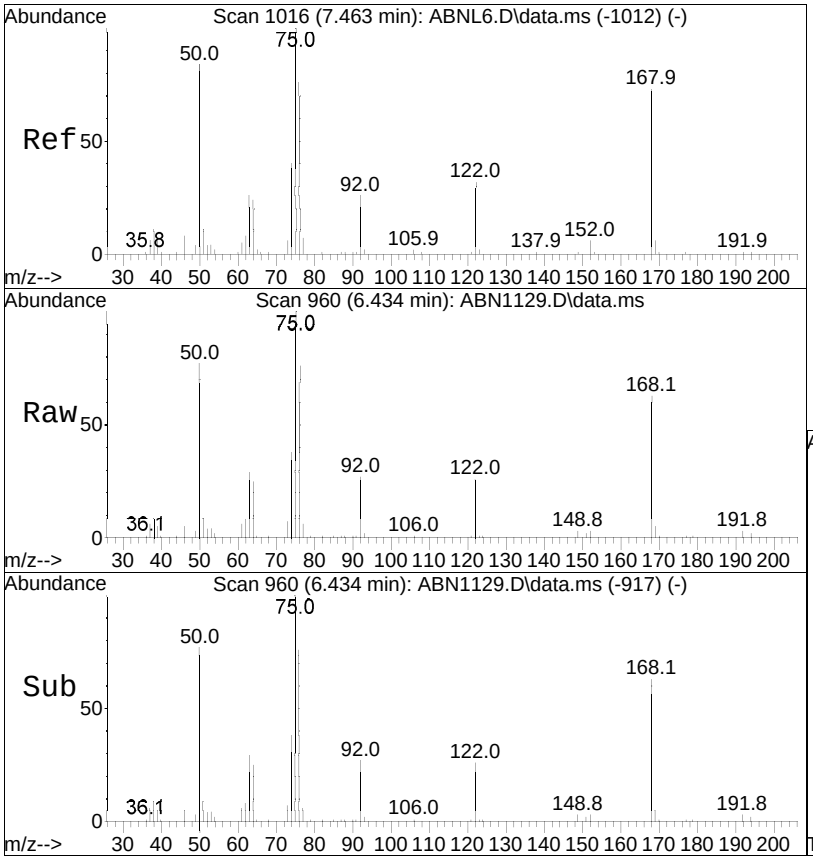


#48
2-Nitroaniline
Concen: 4.49 ug/ml
RT: 6.293 min Scan# 936
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:138 Resp: 32839

Ion	Ratio	Lower	Upper
138	100		
92	76.4	52.1	78.1
65	123.5	75.9	113.9#

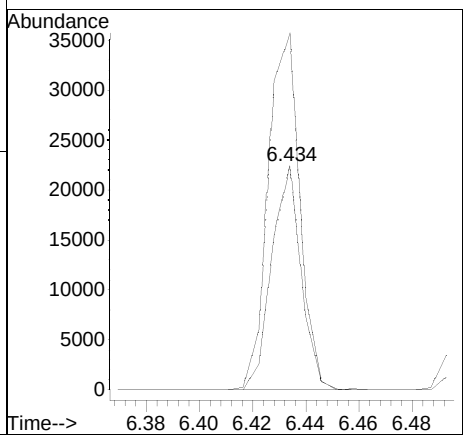


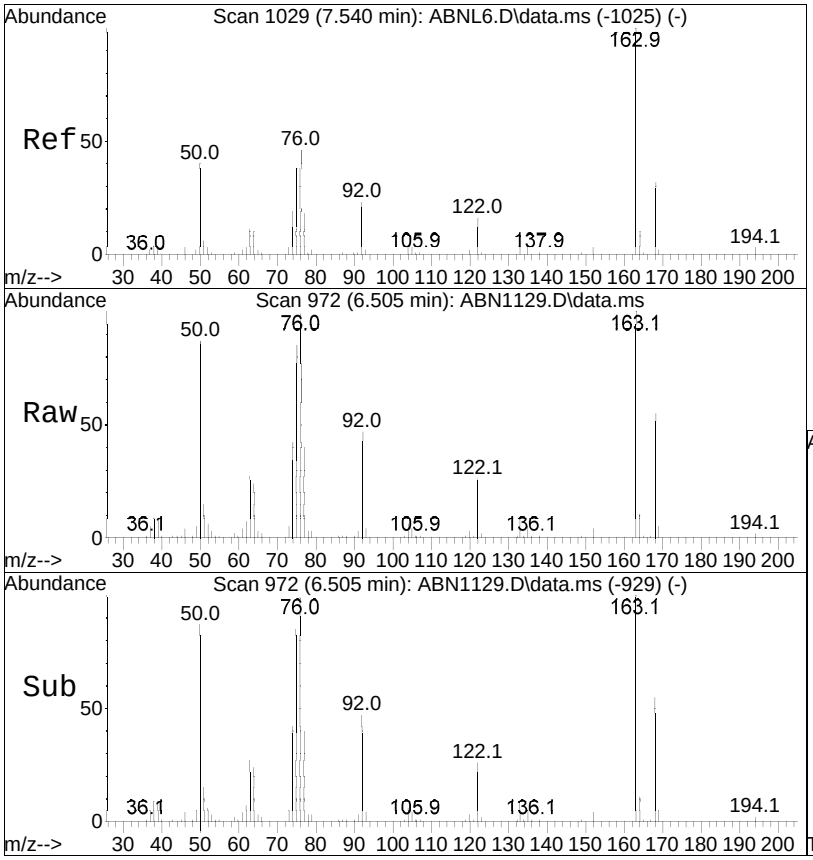


#49
1,4-Dinitrobenzene
Concen: 4.74 ug/ml M3
RT: 6.434 min Scan# 960
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:168 Resp: 17174

Ion	Ratio	Lower	Upper
168	100		
75	101.0	111.0	166.4#

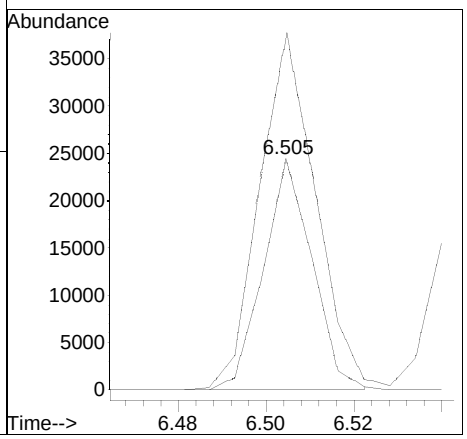


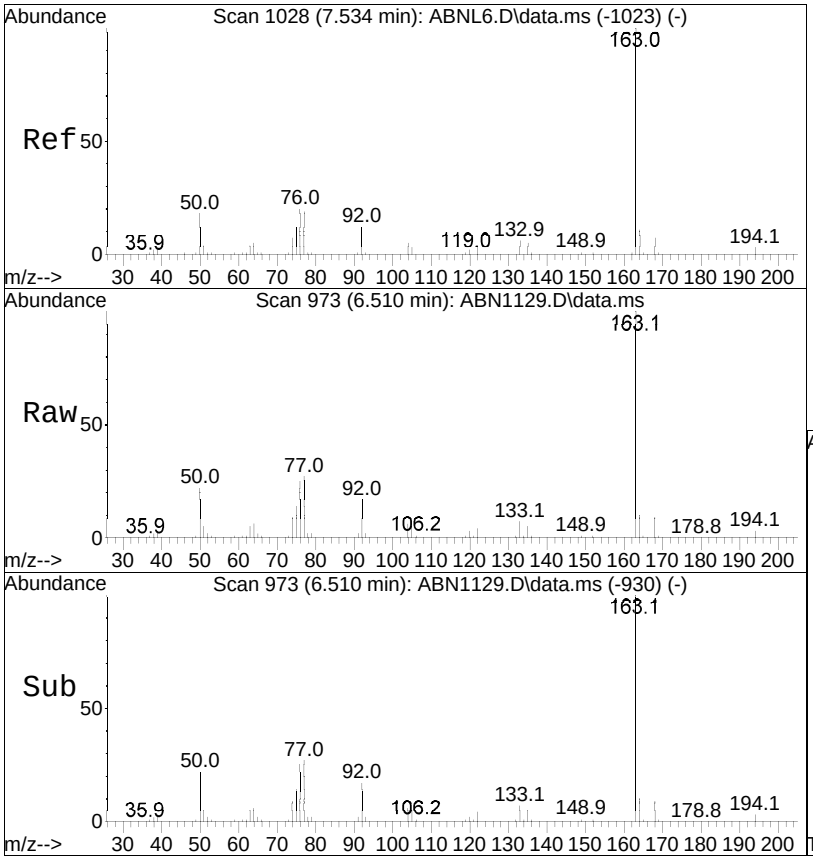


#50
1,3-Dinitrobenzene
Concen: 4.57 ug/ml M6
RT: 6.505 min Scan# 972
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:168 Resp: 18761

Ion	Ratio	Lower	Upper
168	100		
75	92.5	116.4	174.6#

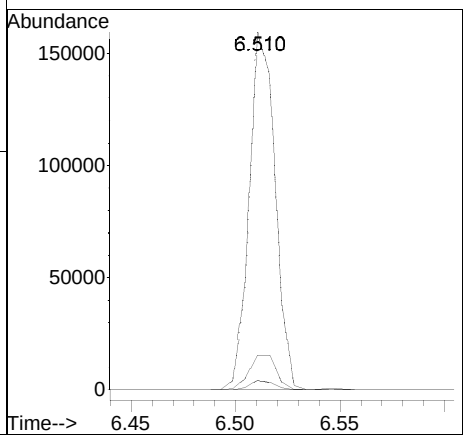


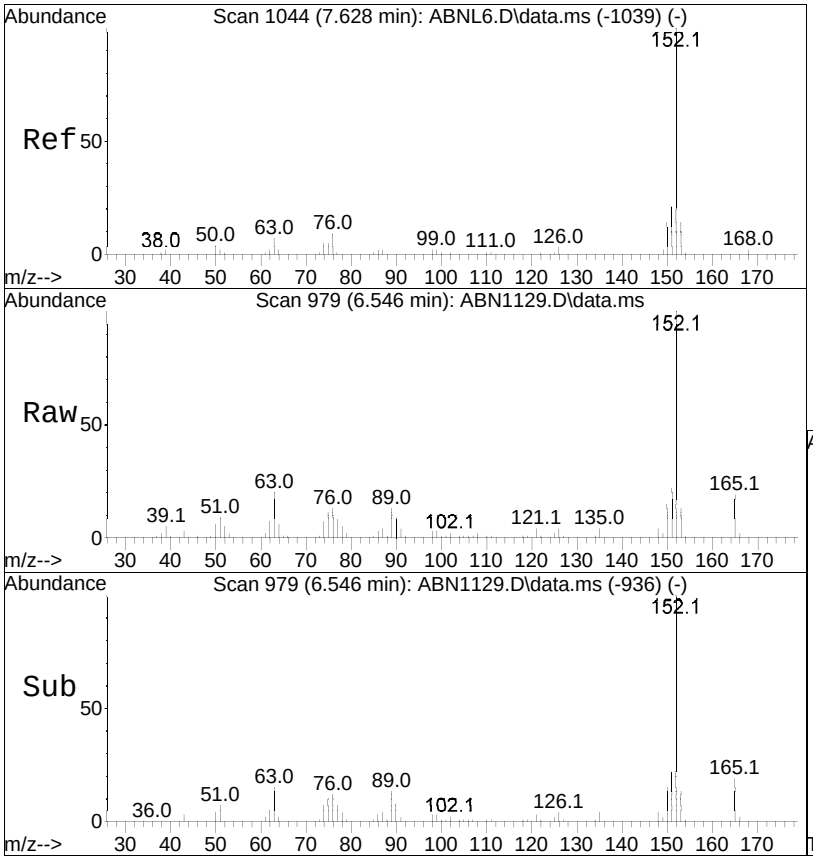


#51
Dimethyl phthalate
Concen: 4.85 ug/ml
RT: 6.510 min Scan# 973
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:163 Resp: 136687

Ion	Ratio	Lower	Upper
163	100		
194	2.5	2.3	3.5
164	10.4	8.2	12.2

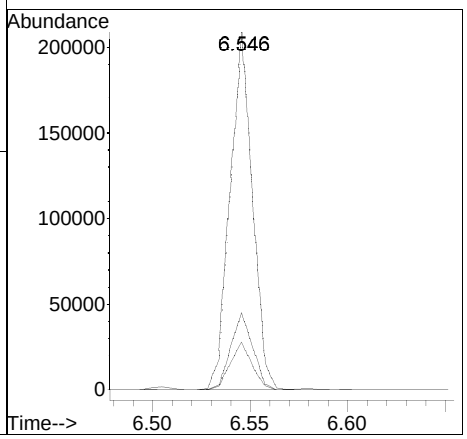


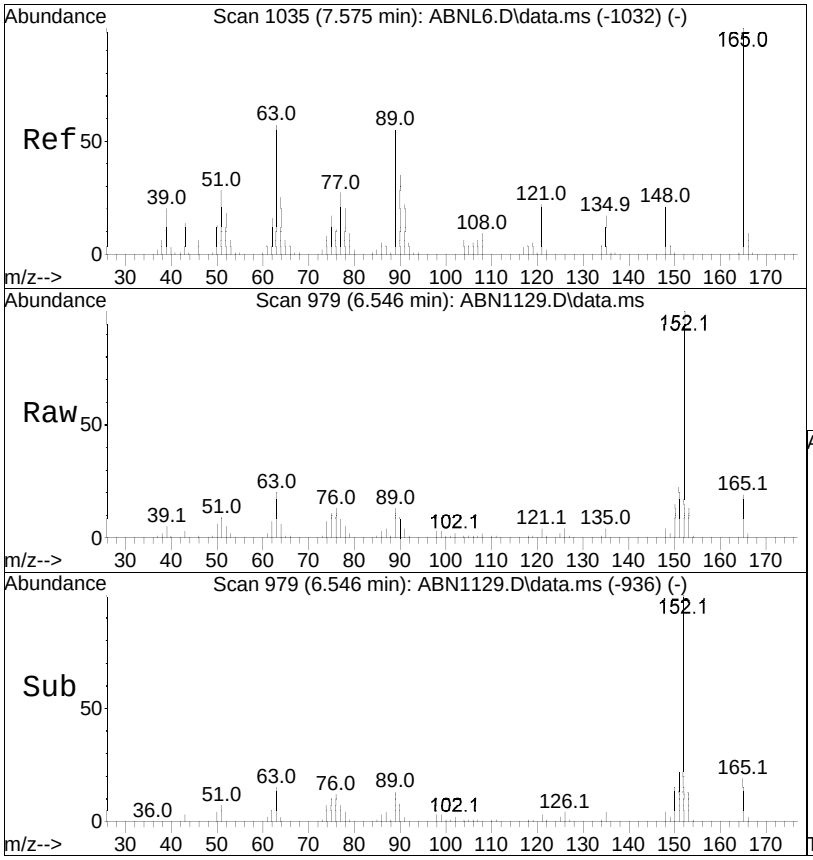


#52
Acenaphthylene
Concen: 4.55 ug/ml
RT: 6.546 min Scan# 979
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:152 Resp: 165043

Ion	Ratio	Lower	Upper
152	100		
151	21.2	15.9	23.9
153	13.0	10.5	15.7

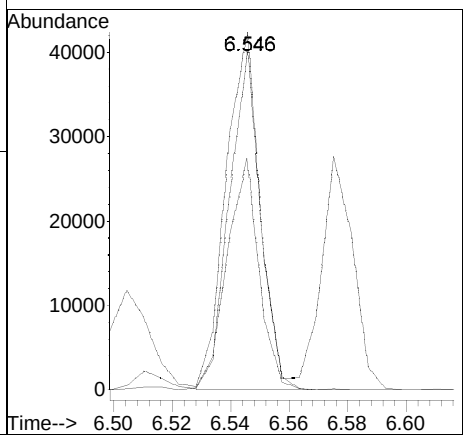


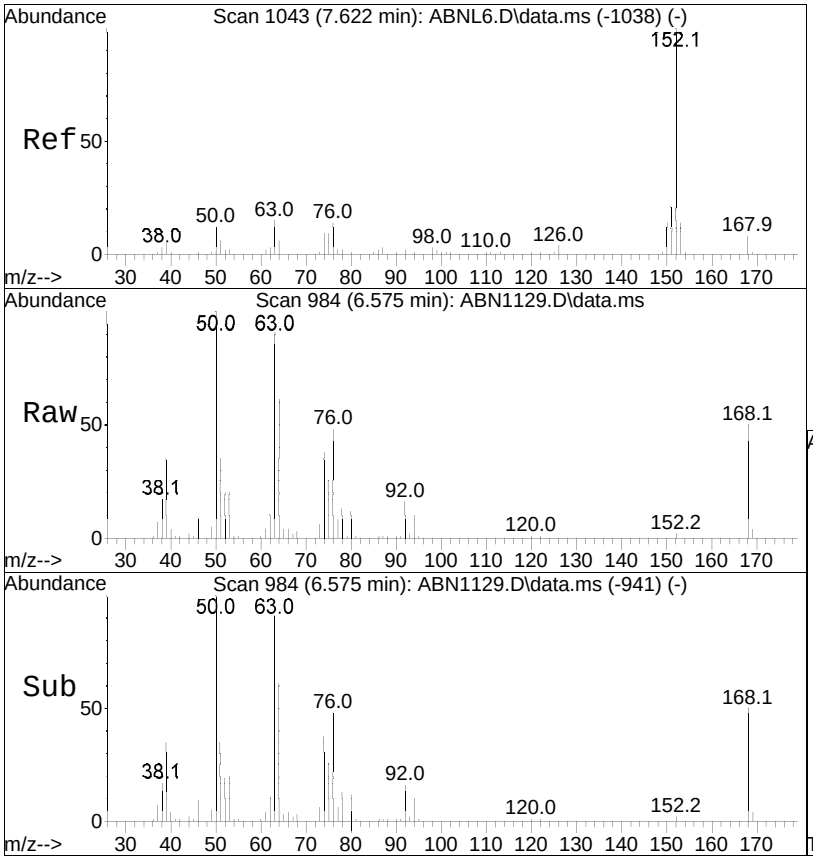


#53
2,6-Dinitrotoluene
Concen: 4.64 ug/ml
RT: 6.546 min Scan# 979
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:165 Resp: 29847

Ion	Ratio	Lower	Upper
165	100		
89	70.0	48.8	73.2
63	113.8	50.5	75.7#

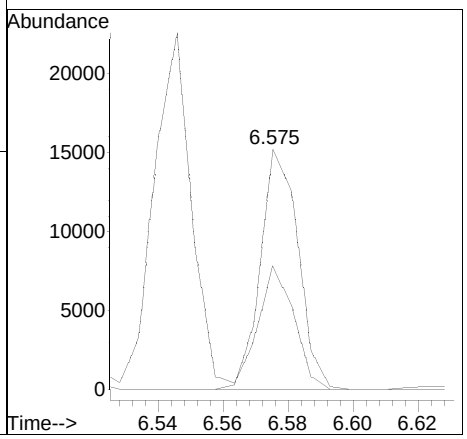


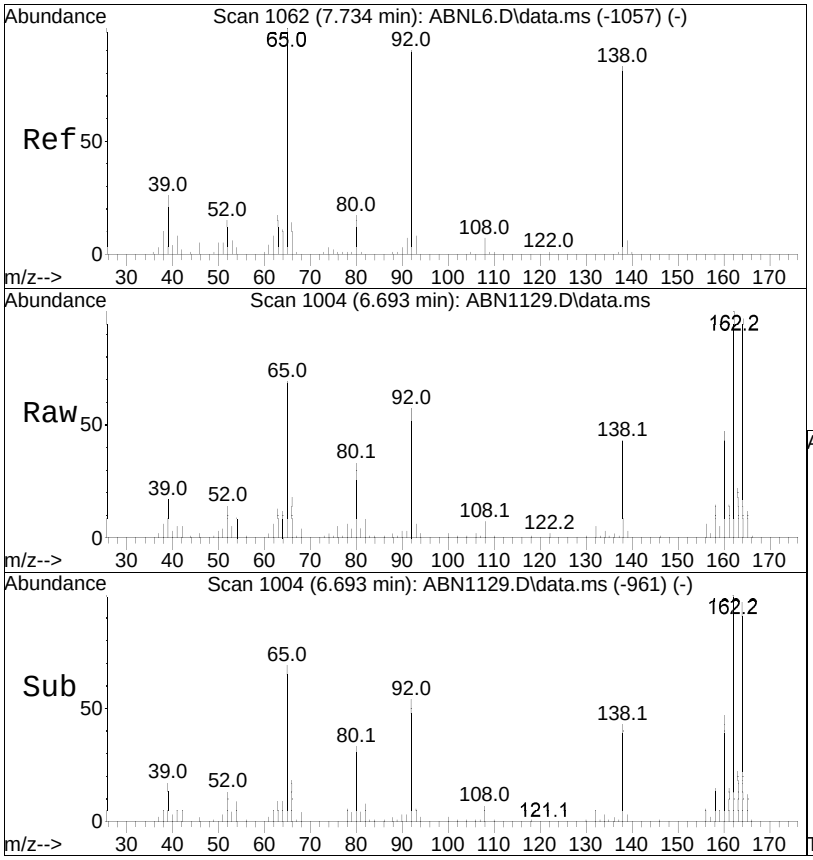


#54
1,2-Dinitrobenzene
Concen: 4.62 ug/ml
RT: 6.575 min Scan# 984
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:168 Resp: 12249

Ion	Ratio	Lower	Upper
168	100		
75	141.6	32.2	48.2#

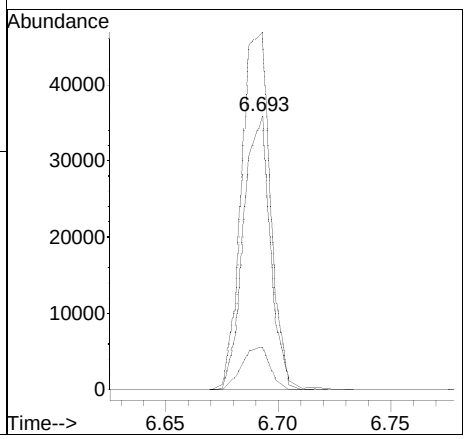


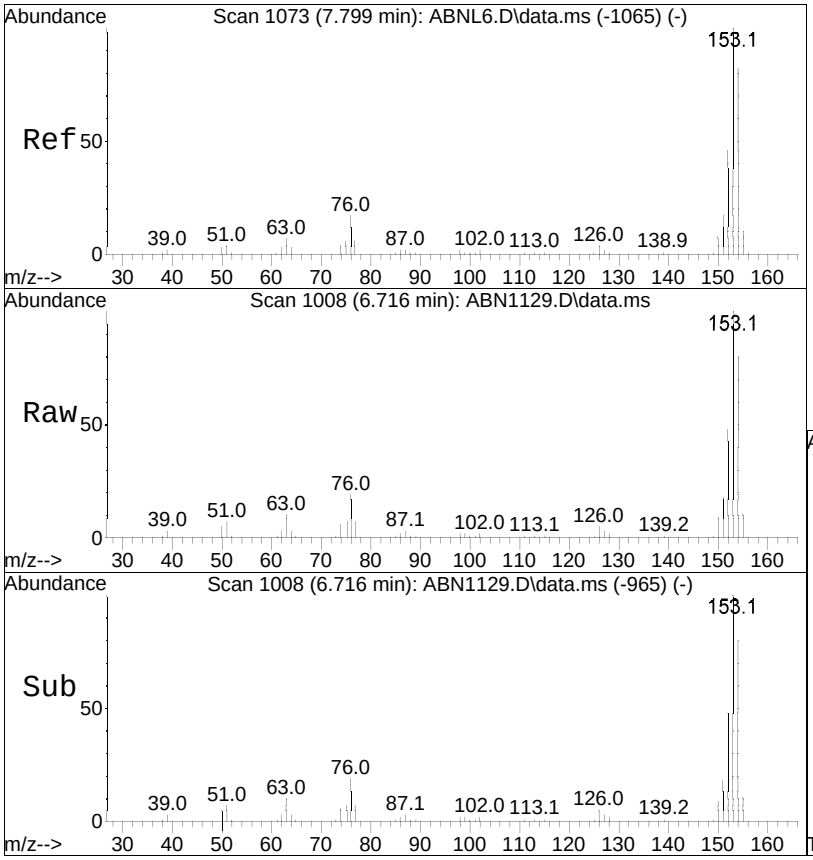


#64
3-Nitroaniline
Concen: 4.51 ug/ml
RT: 6.693 min Scan# 1004
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:138 Resp: 29922

Ion	Ratio	Lower	Upper
138	100		
92	138.4	92.8	139.2
108	16.7	7.9	11.9#

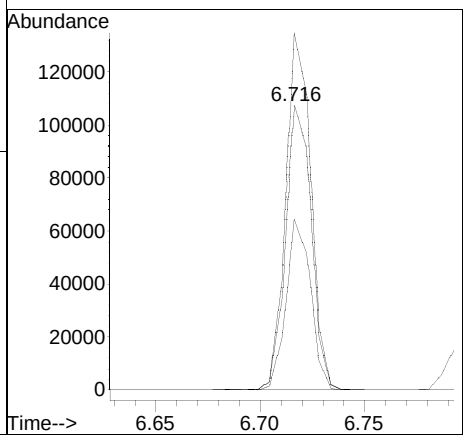


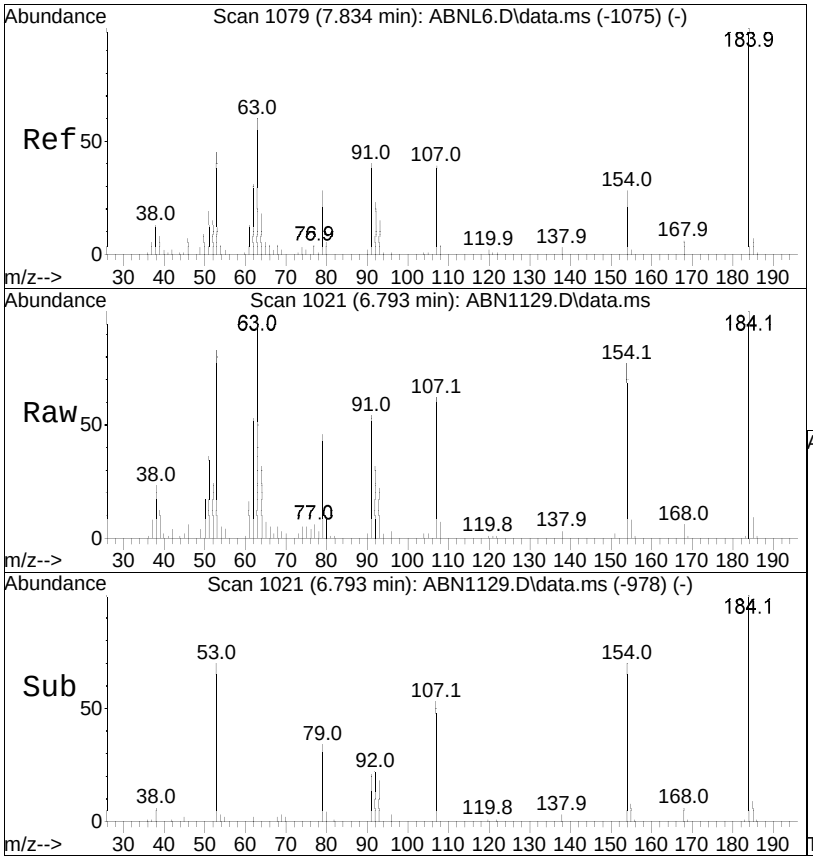


#65
Acenaphthene
Concen: 4.53 ug/ml
RT: 6.716 min Scan# 1008
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:154 Resp: 91627

Ion	Ratio	Lower	Upper
154	100		
153	122.4	93.0	139.4
152	57.3	43.3	64.9

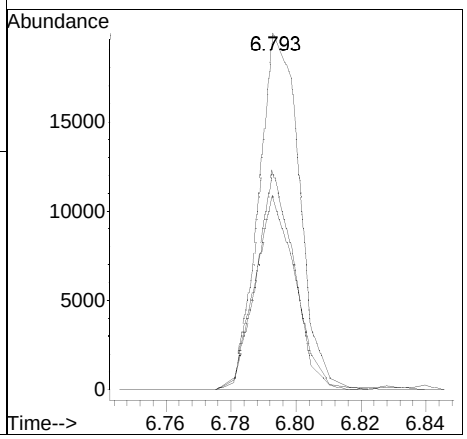


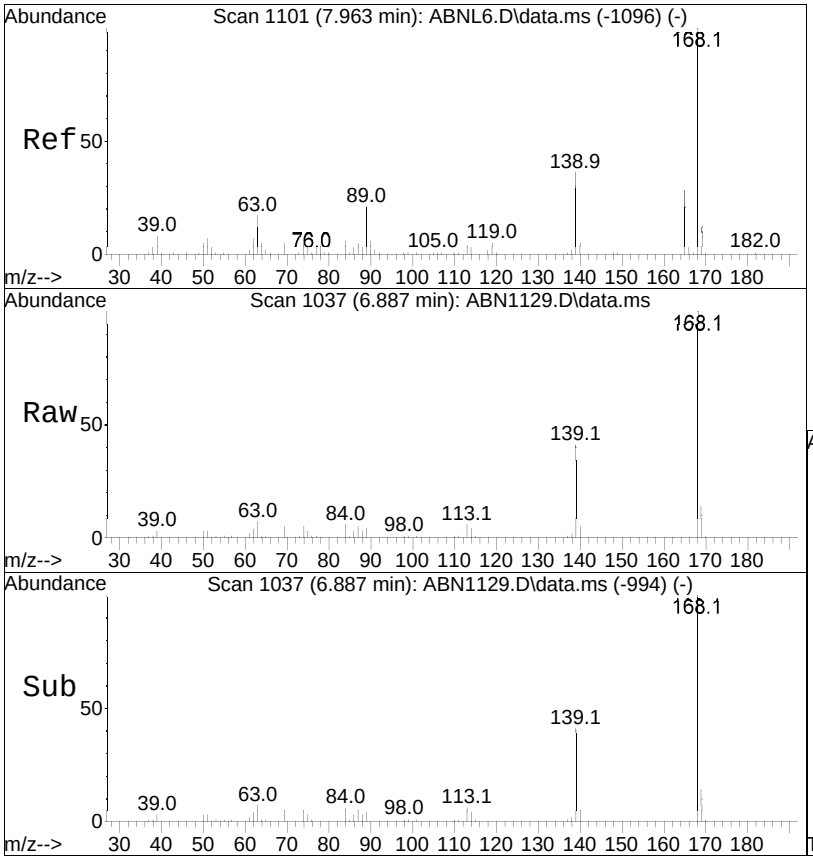


#66
2,4-Dinitrophenol
Concen: 5.05 ug/ml
RT: 6.793 min Scan# 1021
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:184 Resp: 17318

Ion	Ratio	Lower	Upper
184	100		
107	56.1	41.8	62.6
91	54.7	44.2	66.2

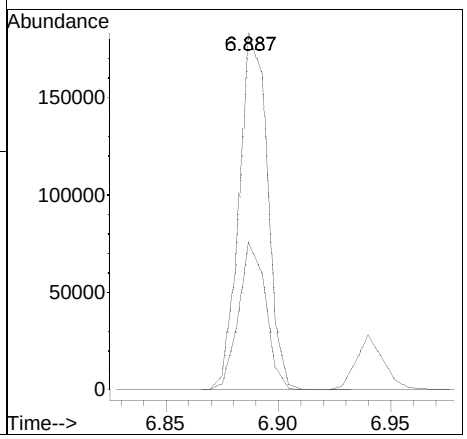


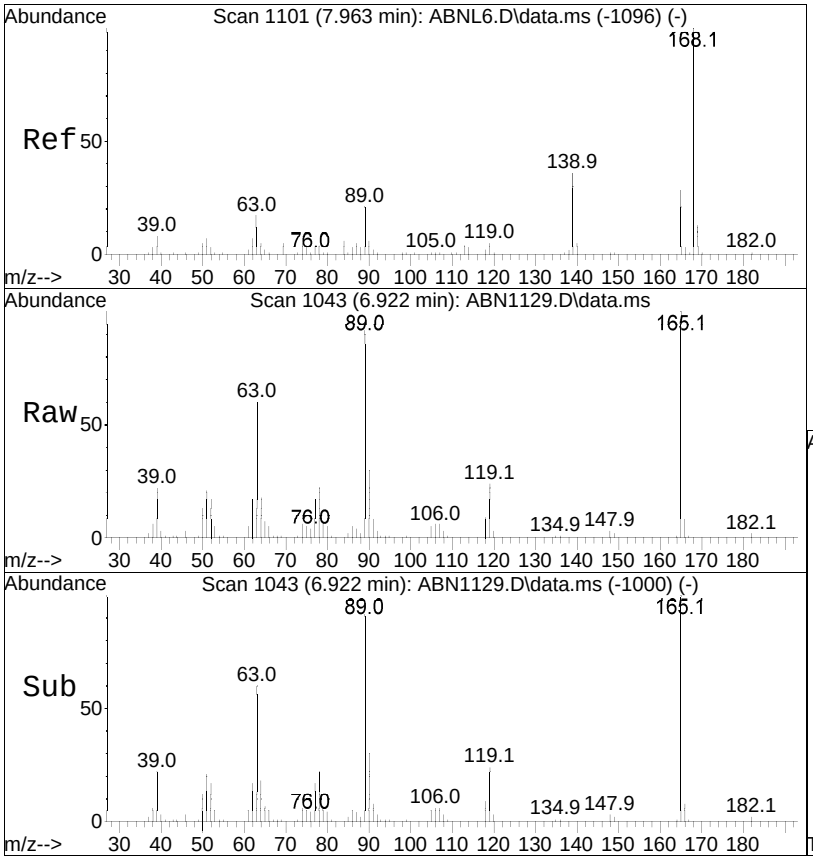


#67
Dibenzofuran
Concen: 4.74 ug/ml
RT: 6.887 min Scan# 1037
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:168 Resp: 159234

Ion	Ratio	Lower	Upper
168	100		
139	39.7	32.3	48.5

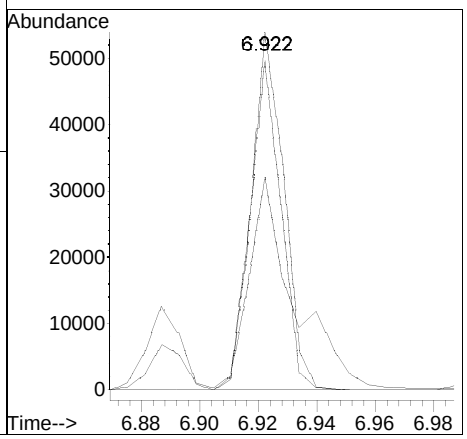


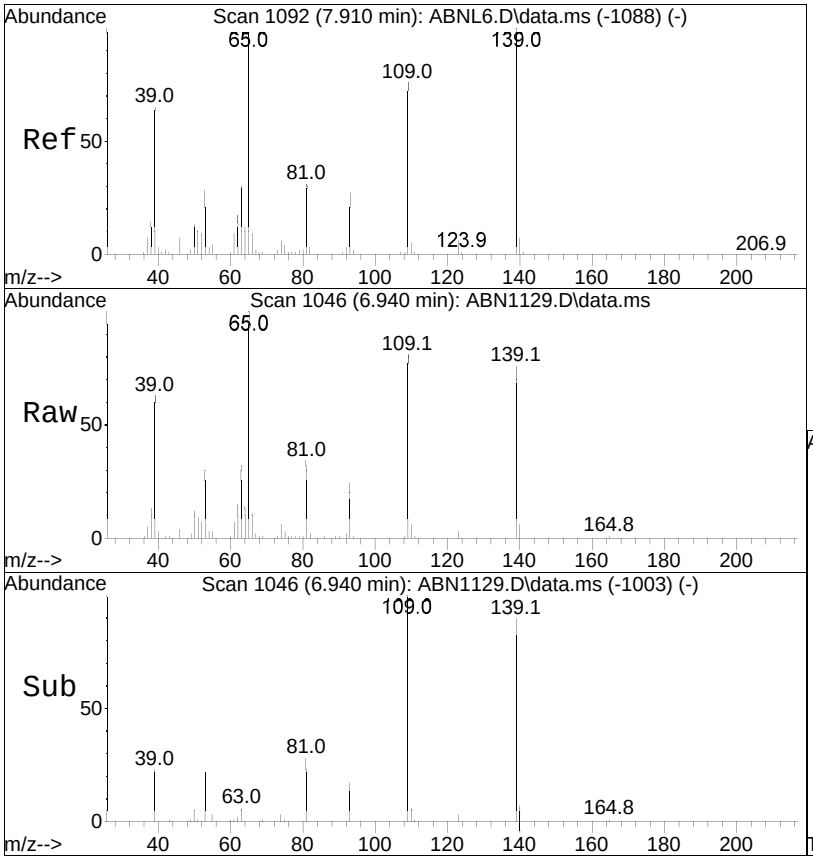


#68
2,4-Dinitrotoluene
Concen: 4.92 ug/ml
RT: 6.922 min Scan# 1043
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:165 Resp: 41445

Ion	Ratio	Lower	Upper
165	100		
89	87.5	73.0	109.4
63	81.4	56.3	84.5

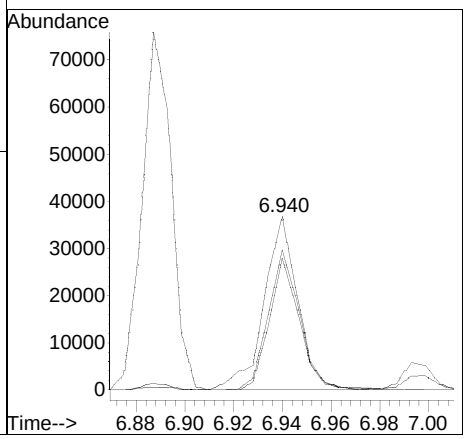


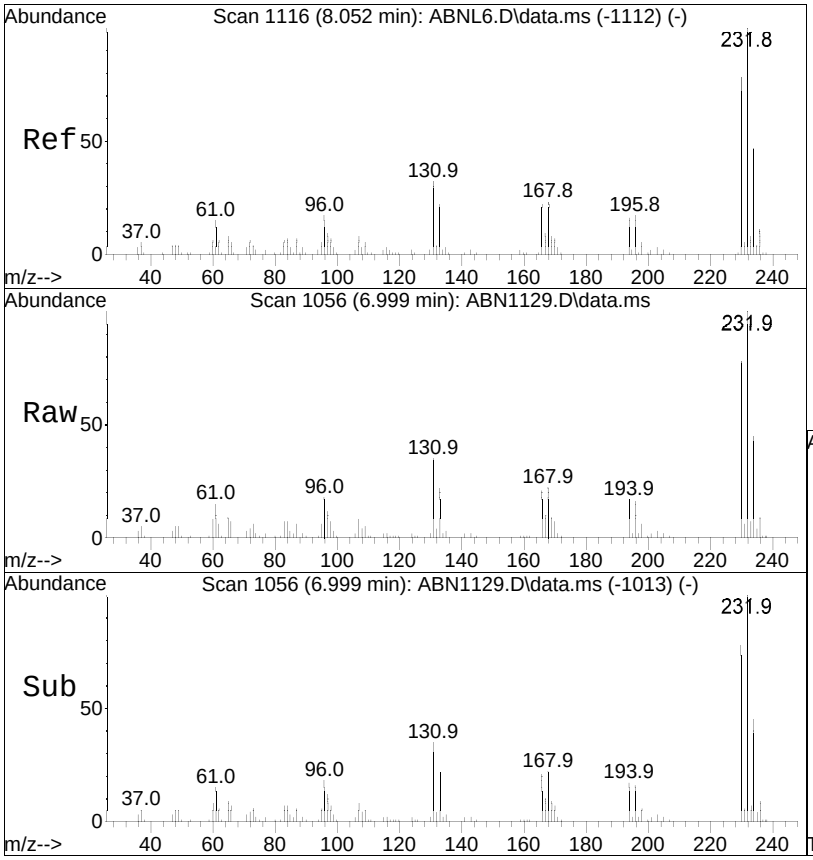


#69
4-Nitrophenol
Concen: 6.22 ug/ml
RT: 6.940 min Scan# 1046
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion: 65 Resp: 35654

Ion	Ratio	Lower	Upper
65	100		
109	74.0	60.2	90.2
139	67.7	81.1	121.7#

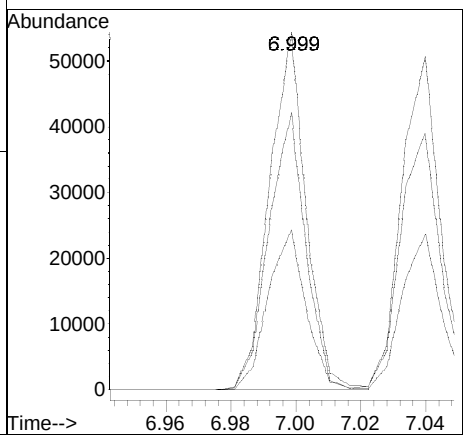


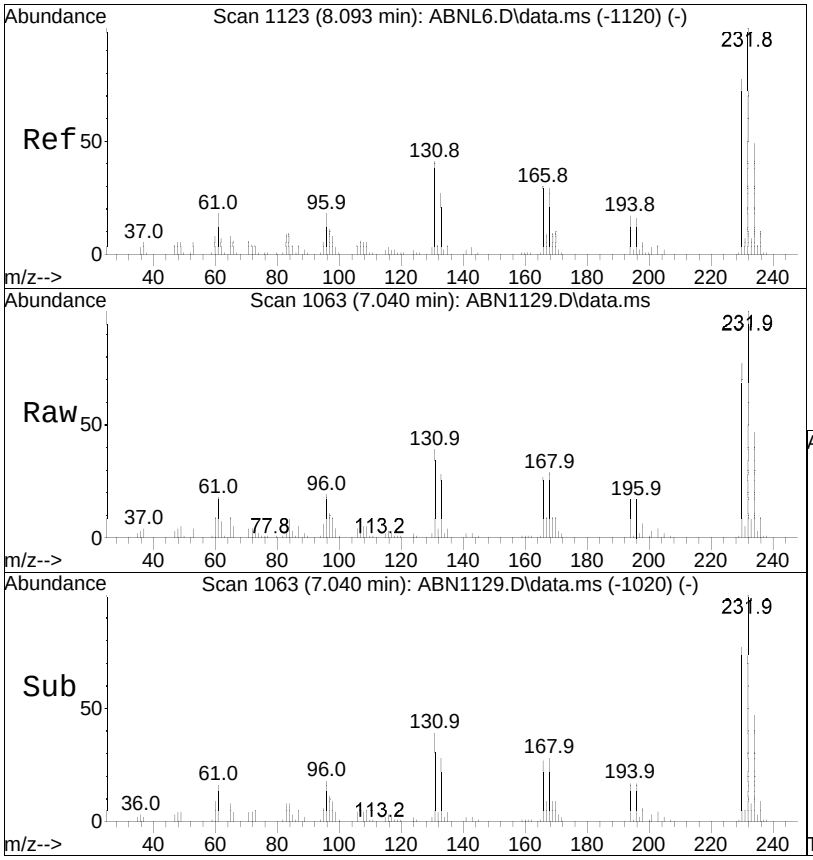


#70
2,3,5,6-Tetrachlorophenol
Concen: 5.05 ug/ml
RT: 6.999 min Scan# 1056
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:232 Resp: 42600

Ion	Ratio	Lower	Upper
232	100		
230	78.1	63.8	95.8
234	46.7	38.3	57.5

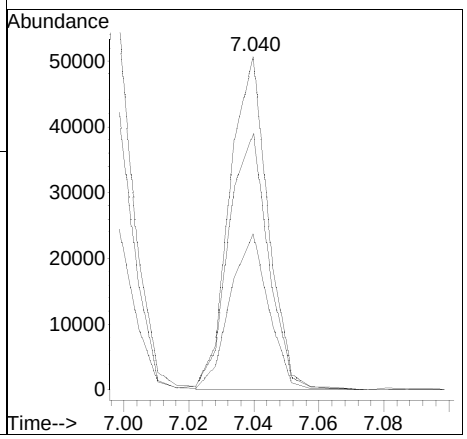


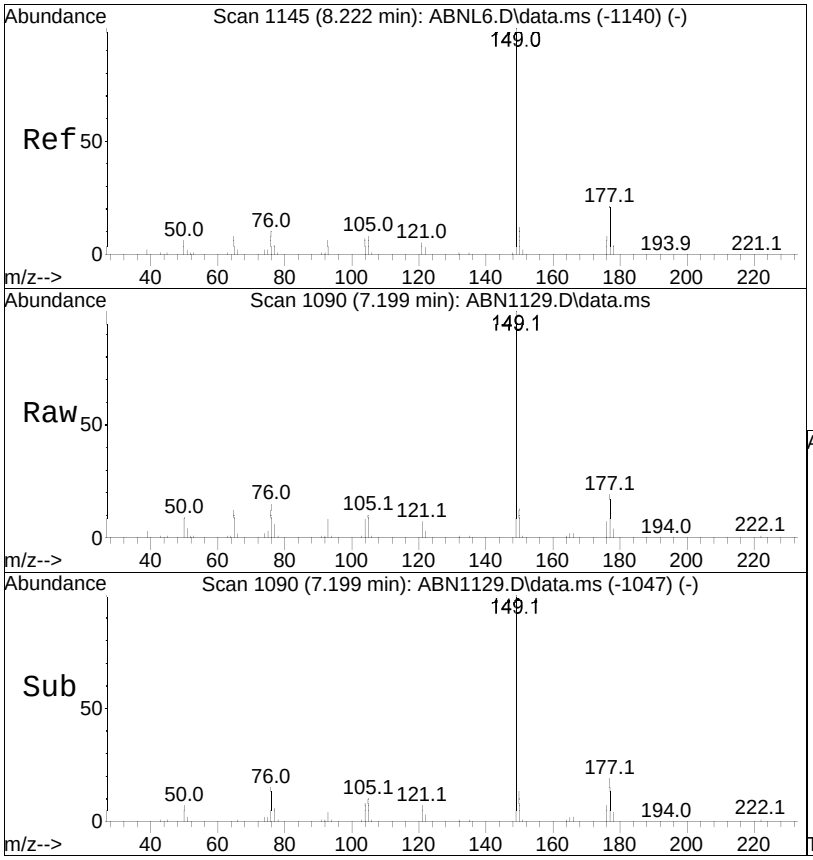


#71
2,3,4,6-Tetrachlorophenol
Concen: 4.97 ug/ml
RT: 7.040 min Scan# 1063
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:232 Resp: 41530

Ion	Ratio	Lower	Upper
232	100		
230	80.6	63.8	95.8
234	47.5	39.0	58.6

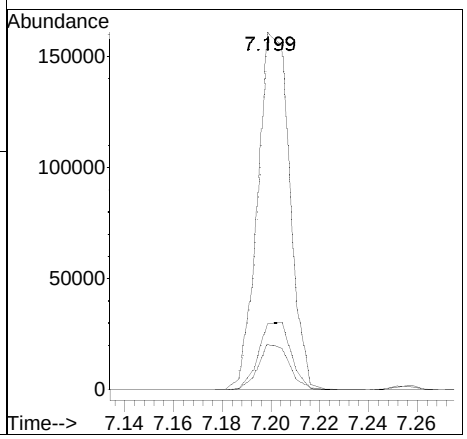


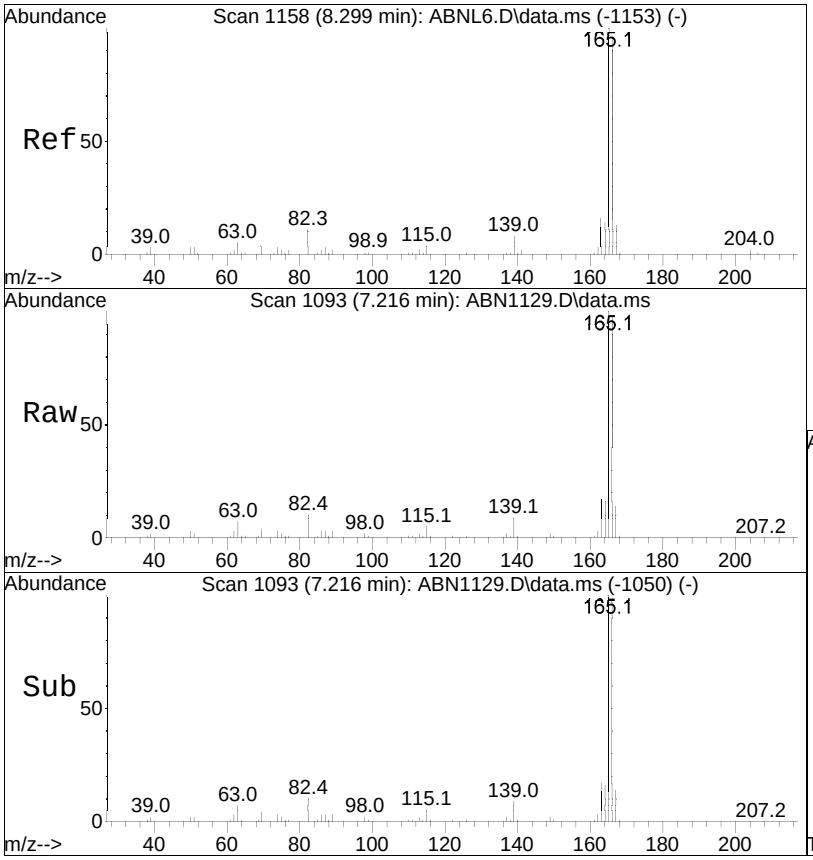


#72
Diethyl phthalate
Concen: 5.06 ug/ml
RT: 7.199 min Scan# 1090
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:149 Resp: 145203

Ion	Ratio	Lower	Upper
149	100		
177	19.1	15.0	22.6
150	12.5	9.8	14.6

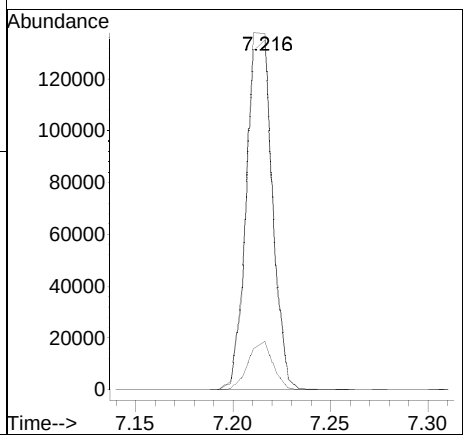


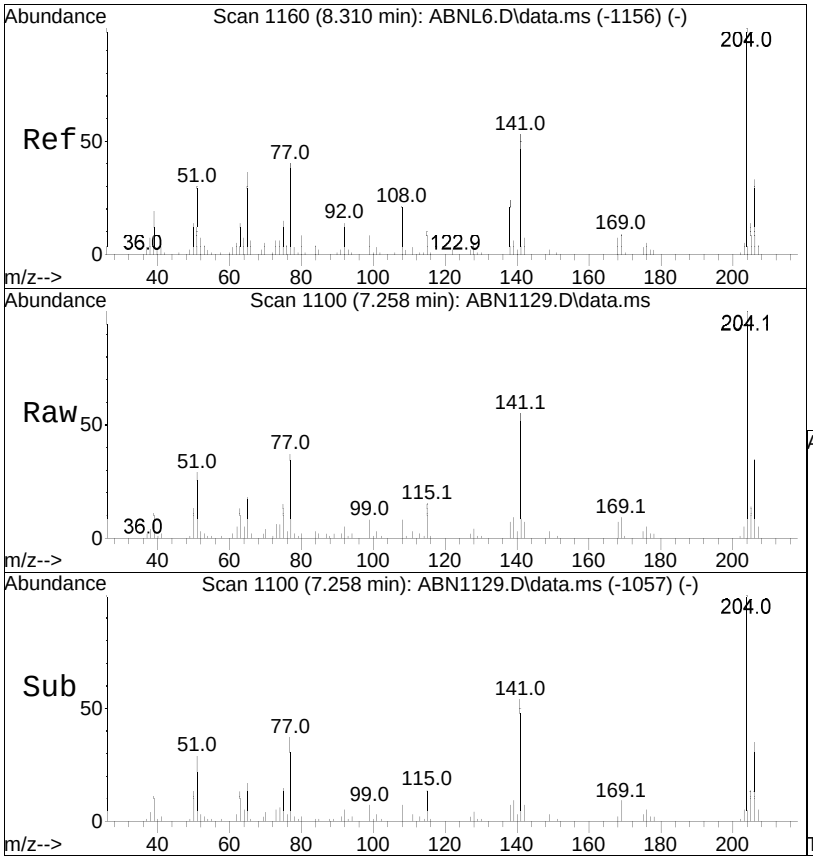


#73
Fluorene
Concen: 4.54 ug/ml
RT: 7.216 min Scan# 1093
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:166 Resp: 123939

Ion	Ratio	Lower	Upper
166	100		
165	104.6	80.0	120.0
167	13.4	10.7	16.1

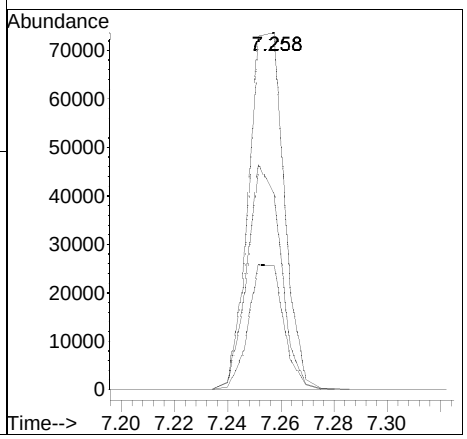


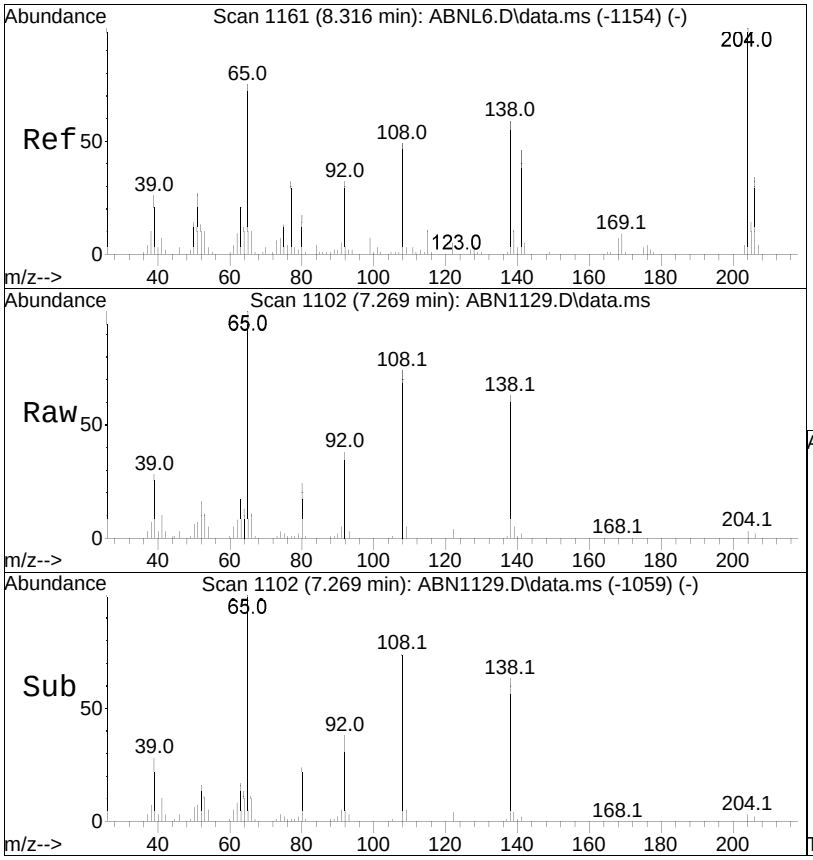


#74
4-Chlorophenyl phenyl ether
Concen: 4.72 ug/ml
RT: 7.258 min Scan# 1100
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:204 Resp: 67780

Ion	Ratio	Lower	Upper
204	100		
206	34.6	26.3	39.5
141	59.6	58.4	87.6

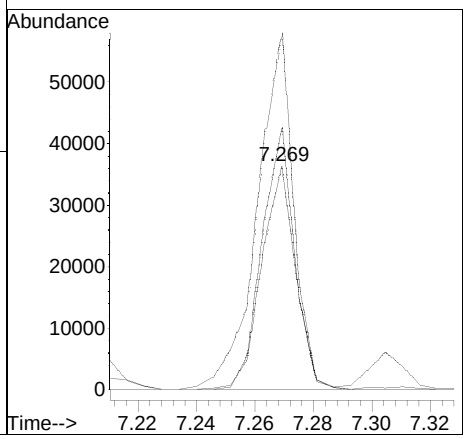


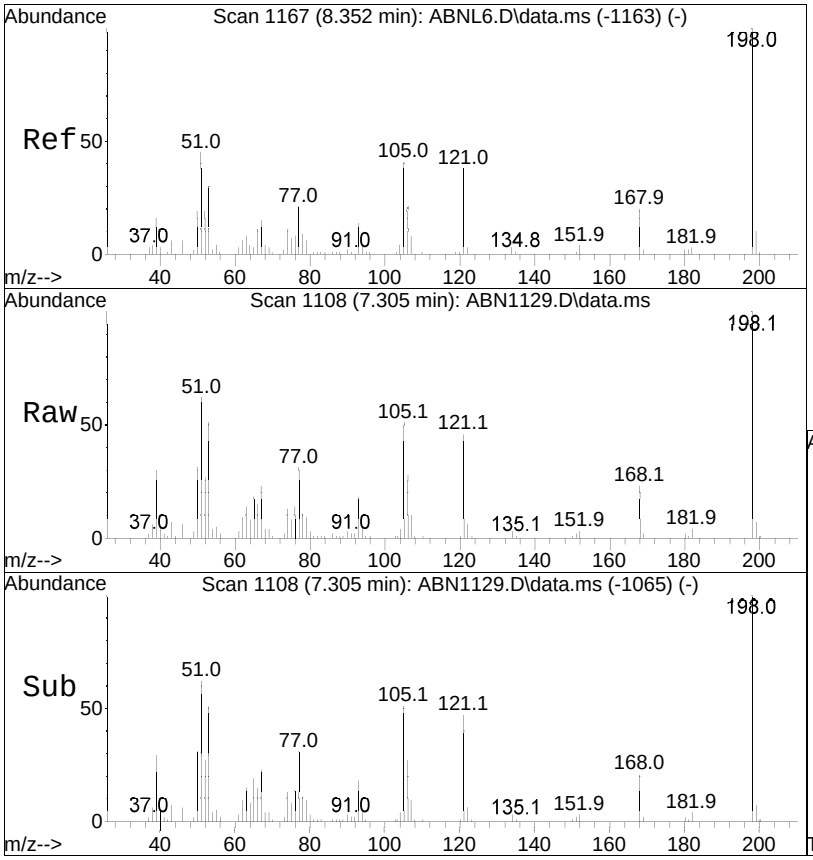


#75
4-Nitroaniline
Concen: 4.47 ug/ml
RT: 7.269 min Scan# 1102
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:138 Resp: 29205

Ion	Ratio	Lower	Upper
138	100		
108	111.6	59.2	88.8#
65	169.7	97.6	146.4#

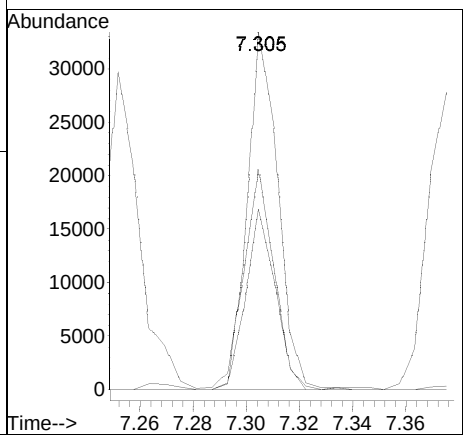


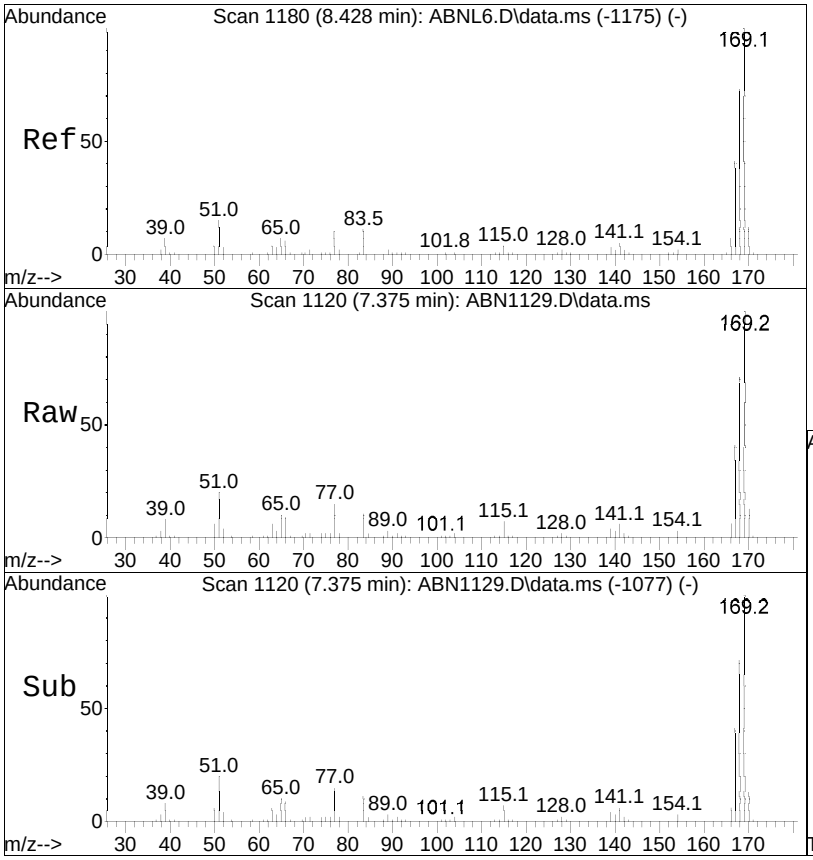


#76
4,6-Dinitro-o-cresol
Concen: 5.30 ug/ml
RT: 7.305 min Scan# 1108
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:198 Resp: 26687

Ion	Ratio	Lower	Upper
198	100		
51	61.2	49.9	74.9
105	48.7	45.8	68.6

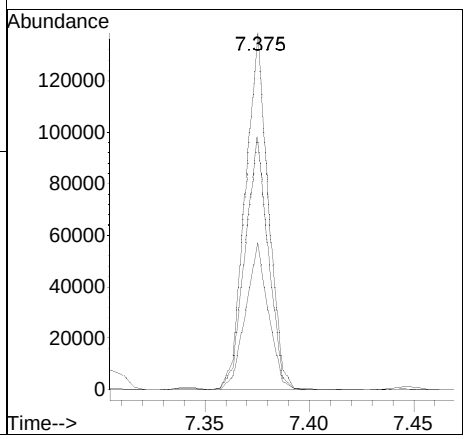


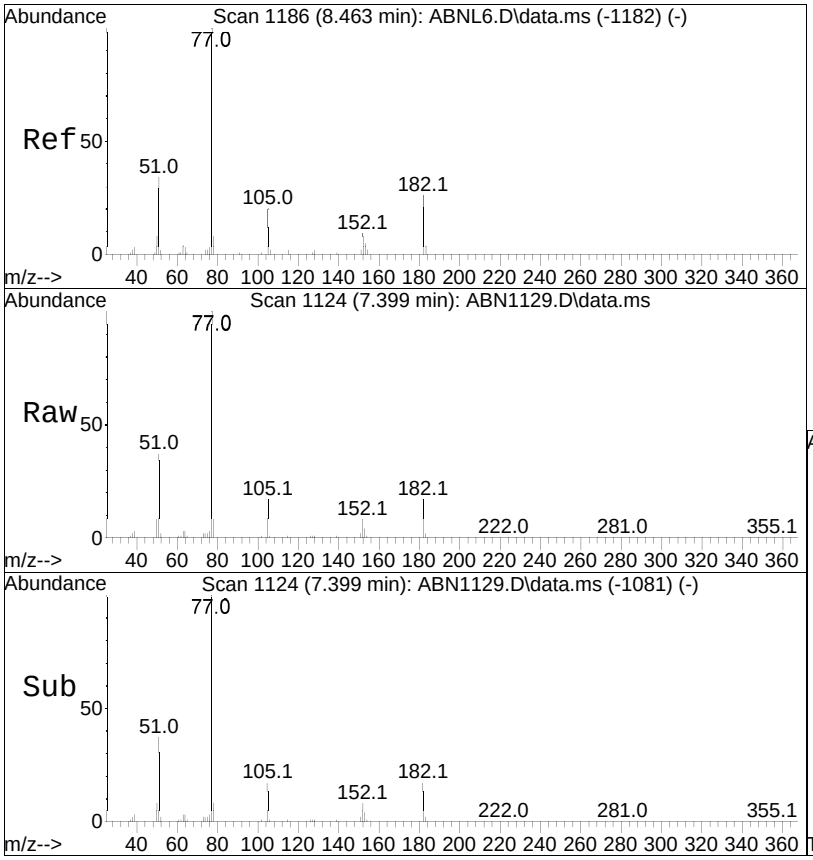


#77
NDPA/DPA
Concen: 4.63 ug/ml
RT: 7.375 min Scan# 1120
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:169 Resp: 105676

Ion	Ratio	Lower	Upper
169	100		
168	71.9	55.2	82.8
167	40.8	30.4	45.6

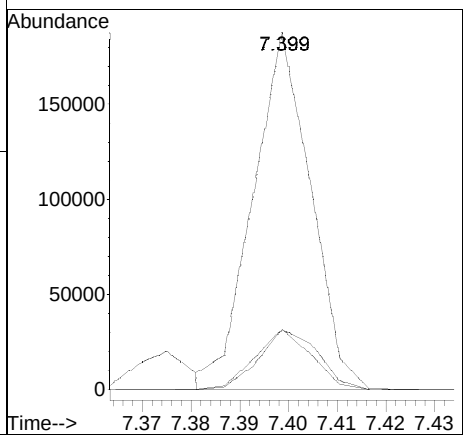


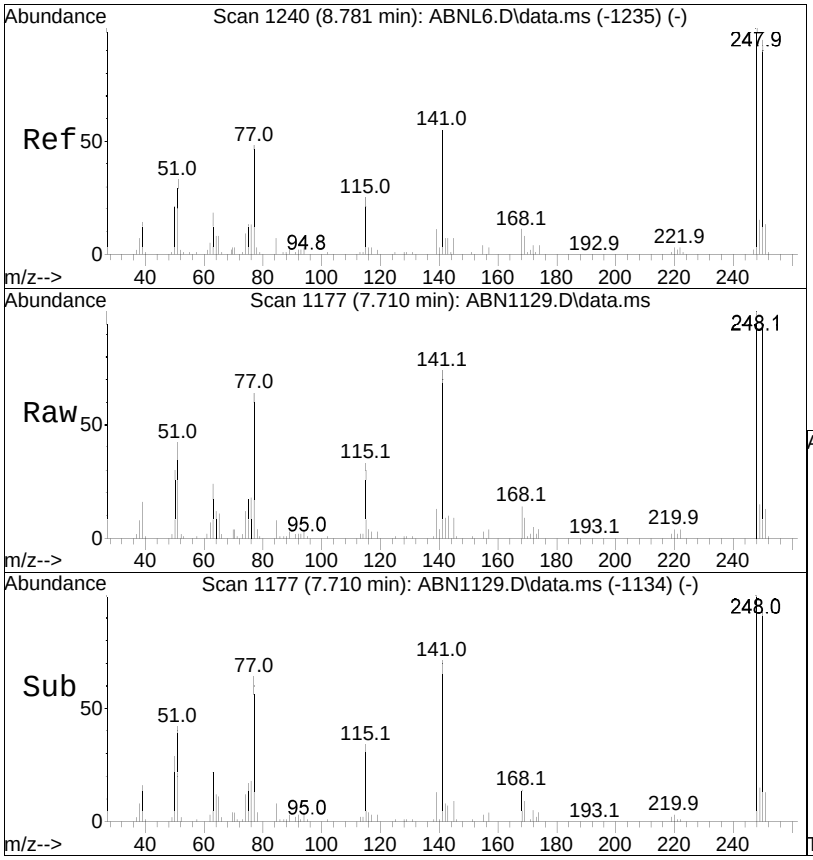


#78
Azobenzene
Concen: 6.08 ug/ml M6
RT: 7.399 min Scan# 1124
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion: 77 Resp: 152872

Ion	Ratio	Lower	Upper
77	100		
182	17.5	16.2	24.2
105	16.8	17.9	26.9#

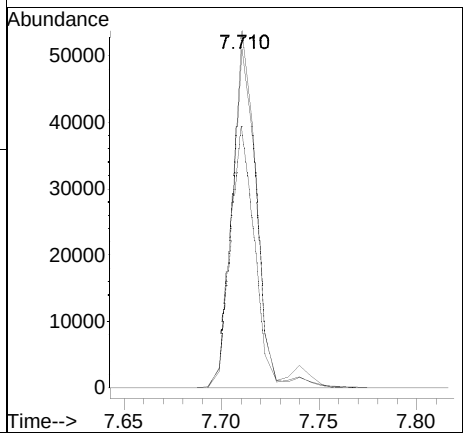


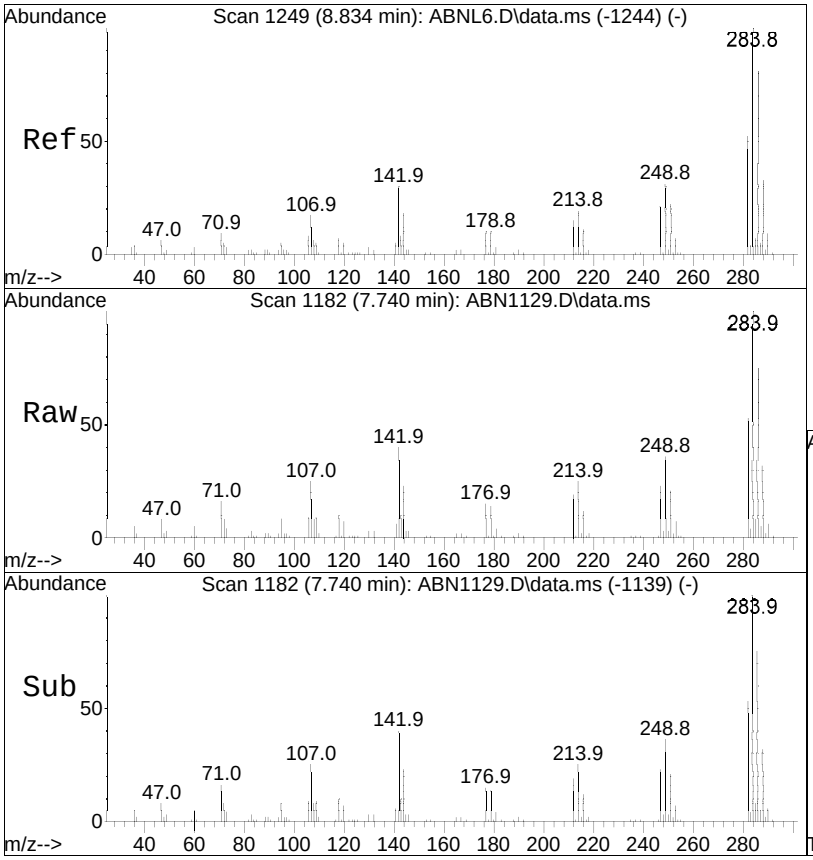


#80
4-Bromophenyl phenyl ether
Concen: 4.88 ug/ml
RT: 7.710 min Scan# 1177
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:248 Resp: 45832

Ion	Ratio	Lower	Upper
248	100		
141	75.3	74.6	111.8
250	93.9	76.9	115.3

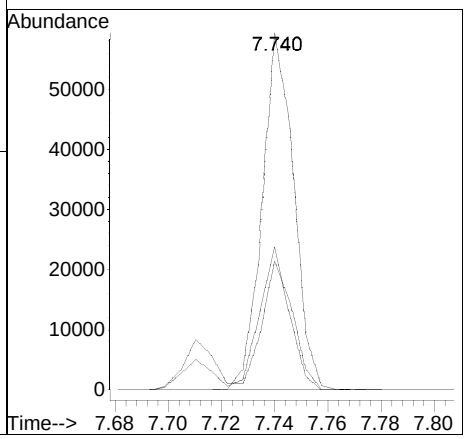


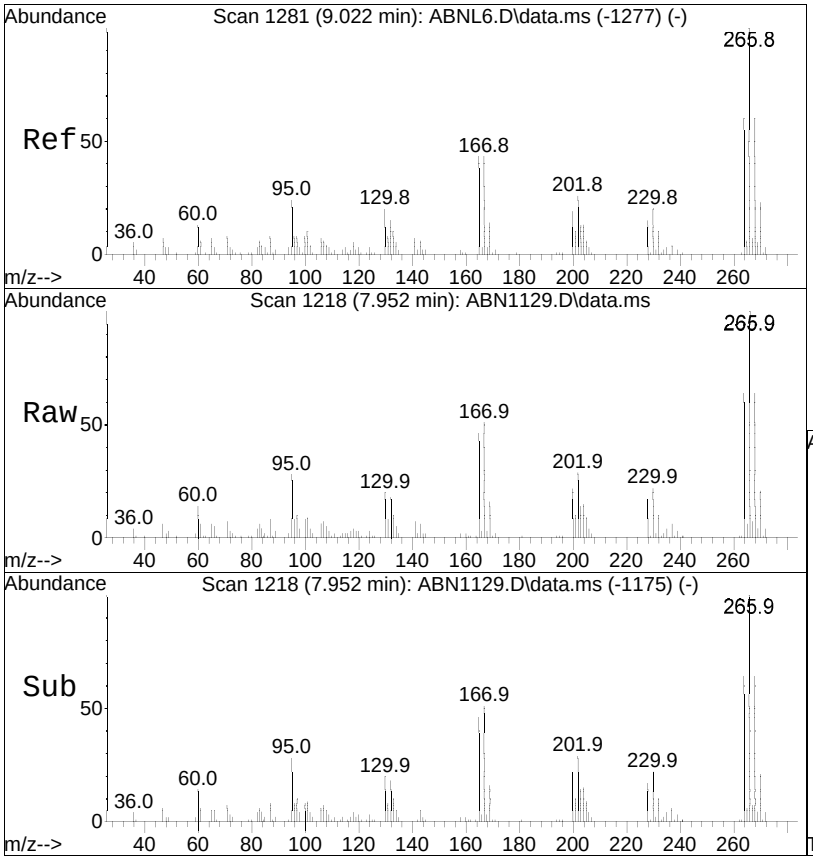


#81
Hexachlorobenzene
Concen: 4.38 ug/ml
RT: 7.740 min Scan# 1182
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:284 Resp: 48732

Ion	Ratio	Lower	Upper
284	100		
142	37.6	37.6	56.4#
249	35.8	25.4	38.2

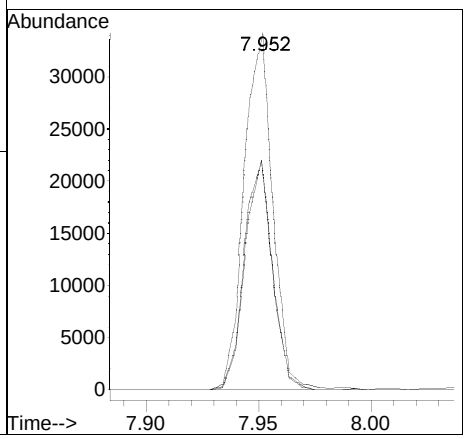


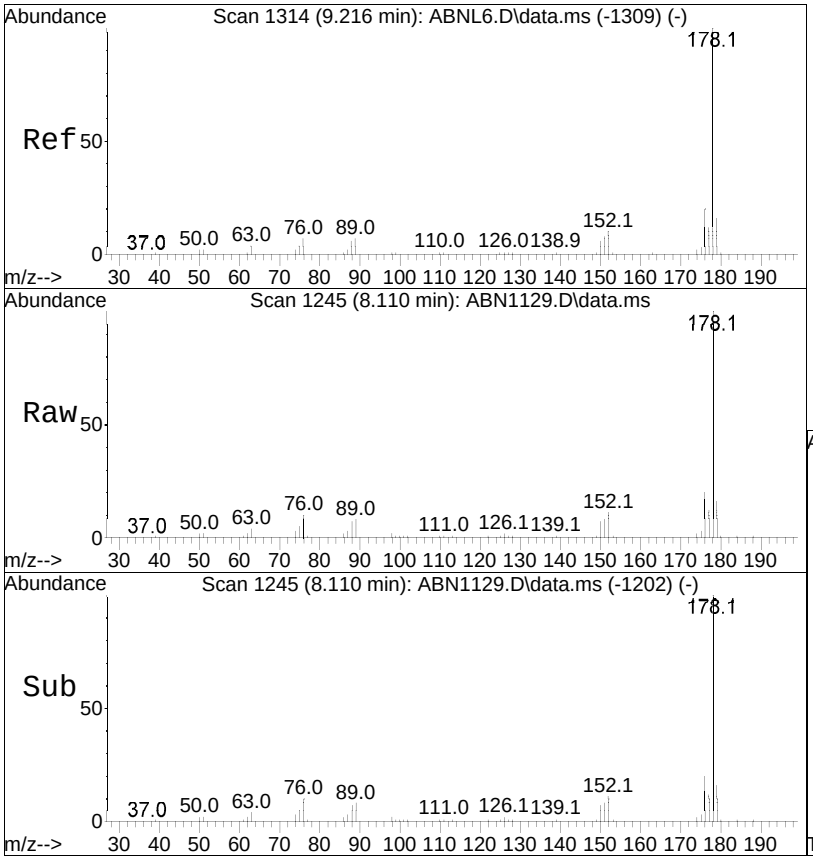


#82
Pentachlorophenol
Concen: 4.53 ug/ml
RT: 7.952 min Scan# 1218
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:266 Resp: 30407

Ion	Ratio	Lower	Upper
266	100		
264	62.8	50.7	76.1
268	61.3	52.5	78.7

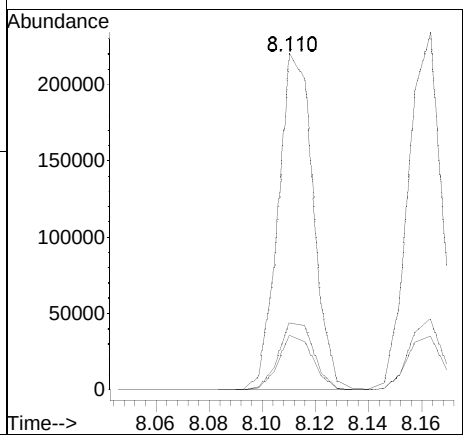


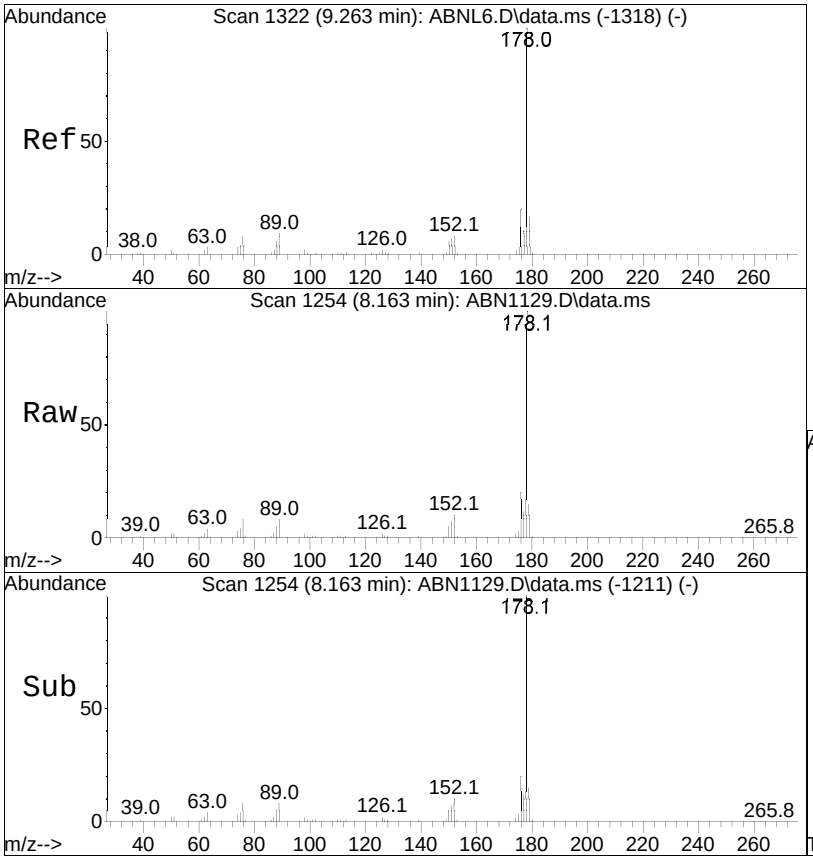


#89
Phenanthrene
Concen: 4.37 ug/ml
RT: 8.110 min Scan# 1245
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:178 Resp: 201920

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.3	18.5
176	20.1	15.4	23.2

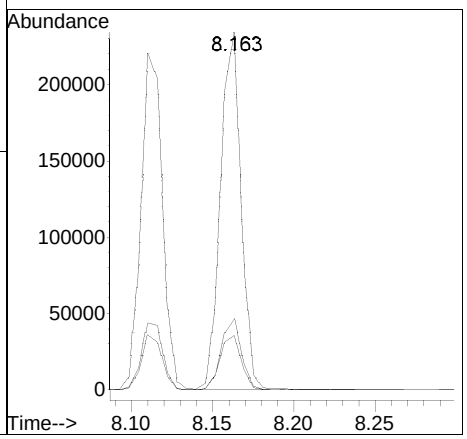


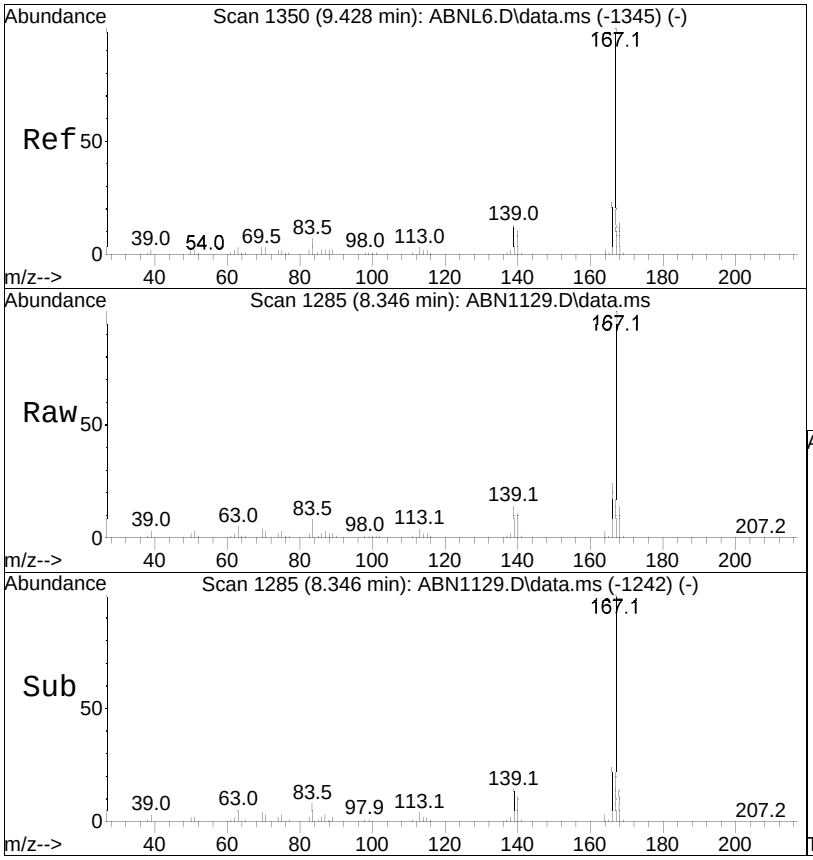


#90
Anthracene
Concen: 4.50 ug/ml
RT: 8.163 min Scan# 1254
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:178 Resp: 206336

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.2	18.2
176	19.6	15.1	22.7

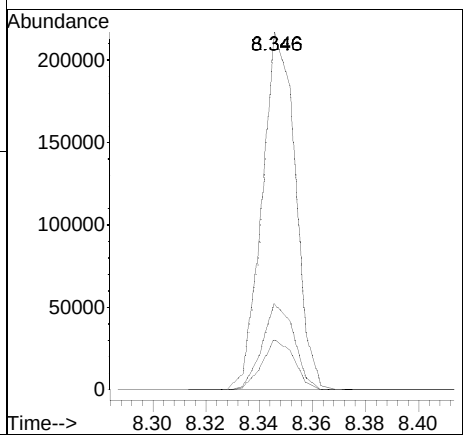


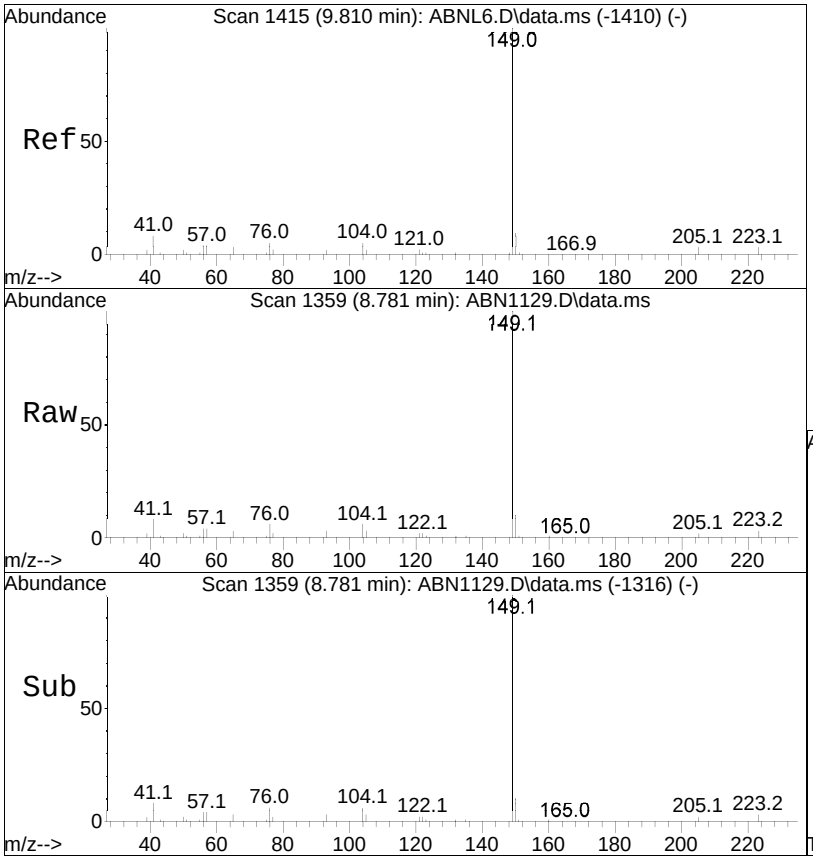


#91
Carbazole
Concen: 4.47 ug/ml
RT: 8.346 min Scan# 1285
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:167 Resp: 186921

Ion	Ratio	Lower	Upper
167	100		
168	13.9	10.8	16.2
166	23.4	17.7	26.5

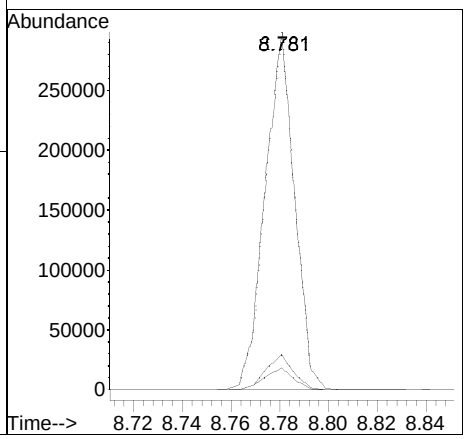


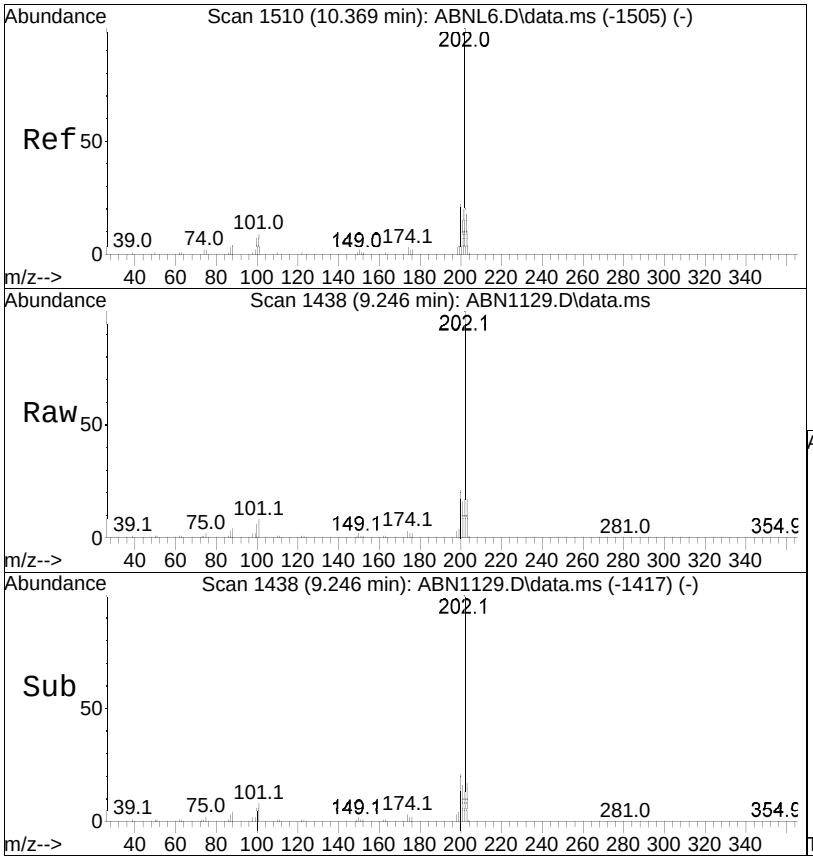


#92
Di-n-butylphthalate
Concen: 5.04 ug/ml
RT: 8.781 min Scan# 1359
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:149 Resp: 246641

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.3	10.9
104	6.2	4.0	6.0#

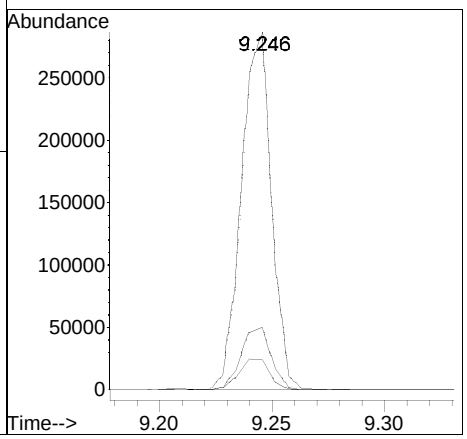


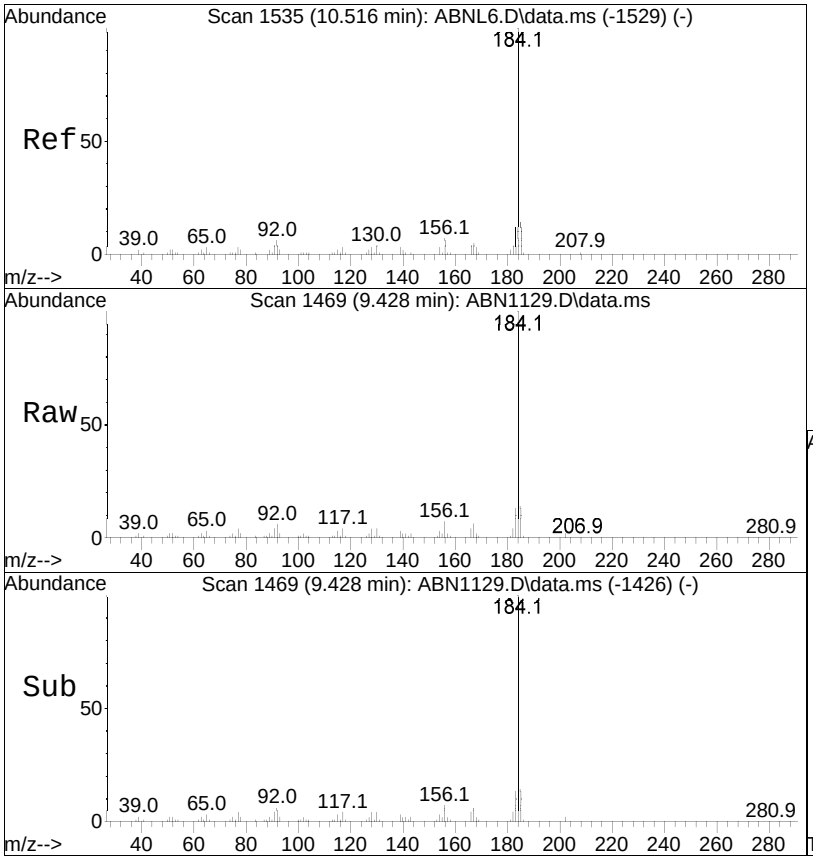


#93
Fluoranthene
Concen: 4.70 ug/ml
RT: 9.246 min Scan# 1438
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:202 Resp: 262986

Ion	Ratio	Lower	Upper
202	100		
101	9.0	11.2	16.8#
203	17.7	13.7	20.5

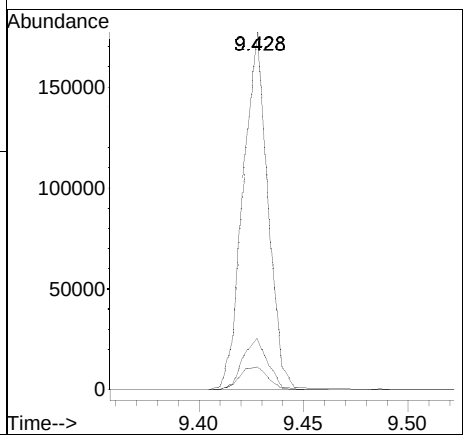


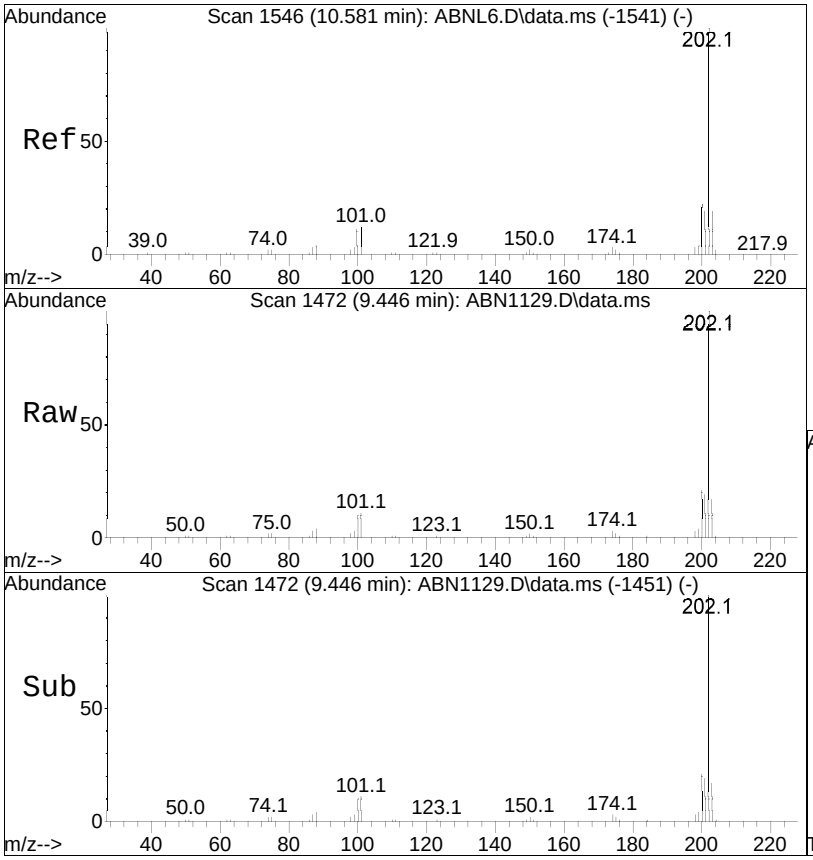


#94
Benzidine
Concen: 4.07 ug/ml
RT: 9.428 min Scan# 1469
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:184 Resp: 145355

Ion	Ratio	Lower	Upper
184	100		
92	7.5	7.3	10.9
185	14.8	11.8	17.8

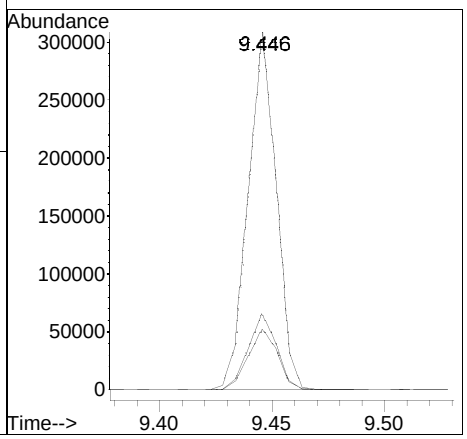


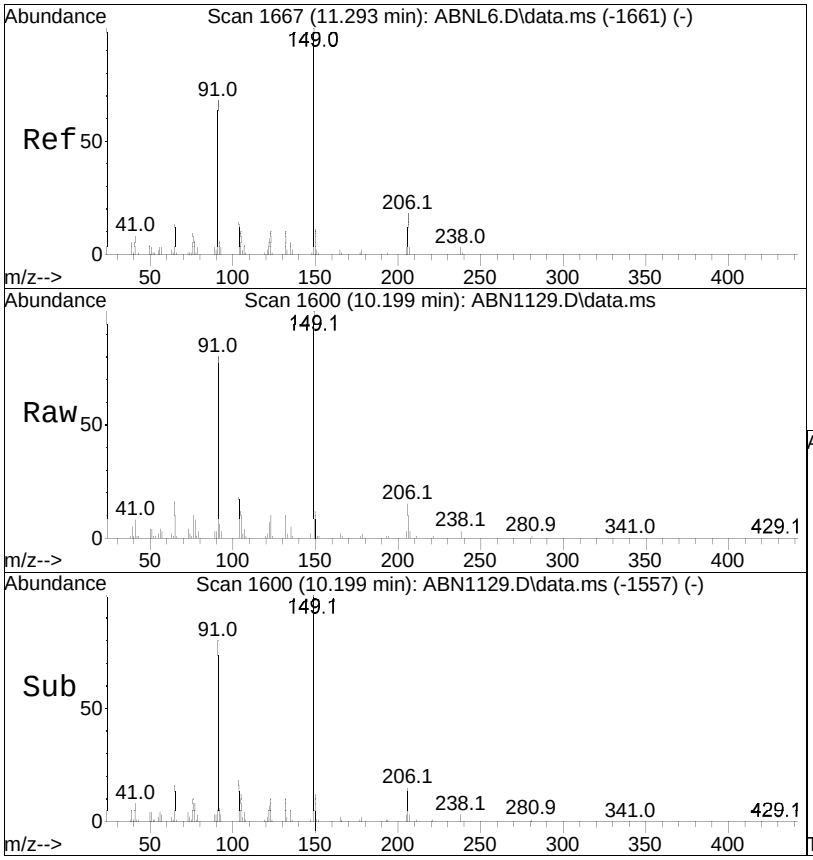


#95
Pyrene
Concen: 4.62 ug/ml
RT: 9.446 min Scan# 1472
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:202 Resp: 265725

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.9	25.3
203	18.1	14.3	21.5

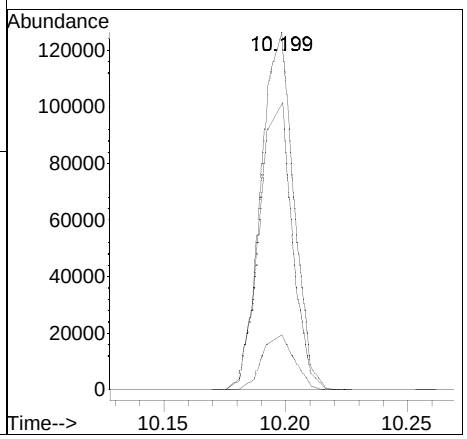


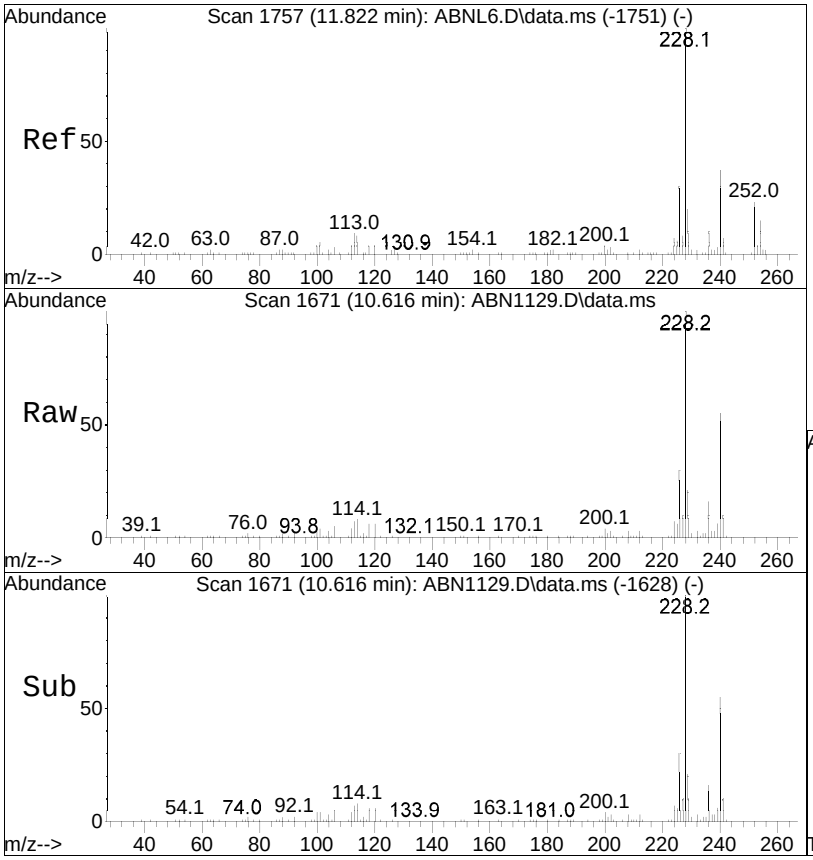


#97
Butyl benzyl phthalate
Concen: 4.77 ug/ml
RT: 10.199 min Scan# 1600
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:149 Resp: 117283

Ion	Ratio	Lower	Upper
149	100		
91	81.2	57.9	86.9
206	15.3	11.9	17.9

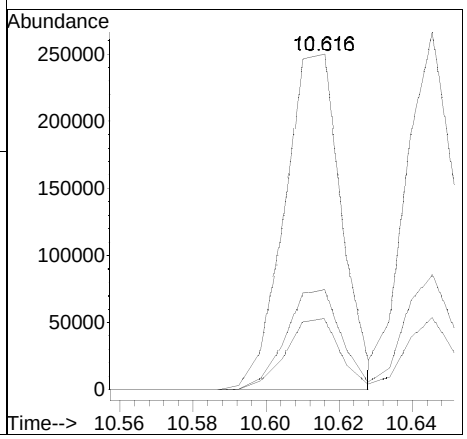


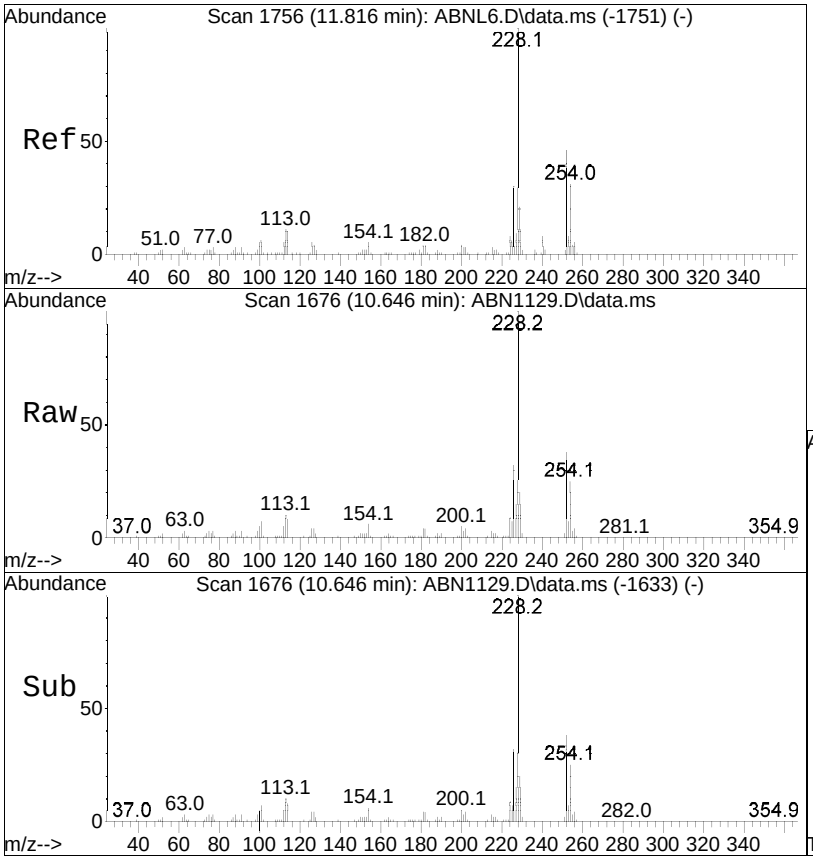


#105
Benzo(a)anthracene
Concen: 4.66 ug/ml
RT: 10.616 min Scan# 1671
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:228 Resp: 270166

Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	34.0
229	20.4	15.8	23.6

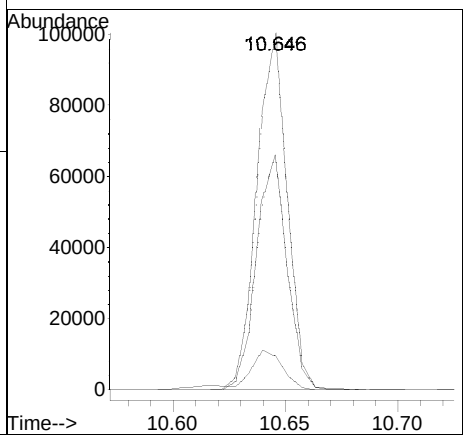


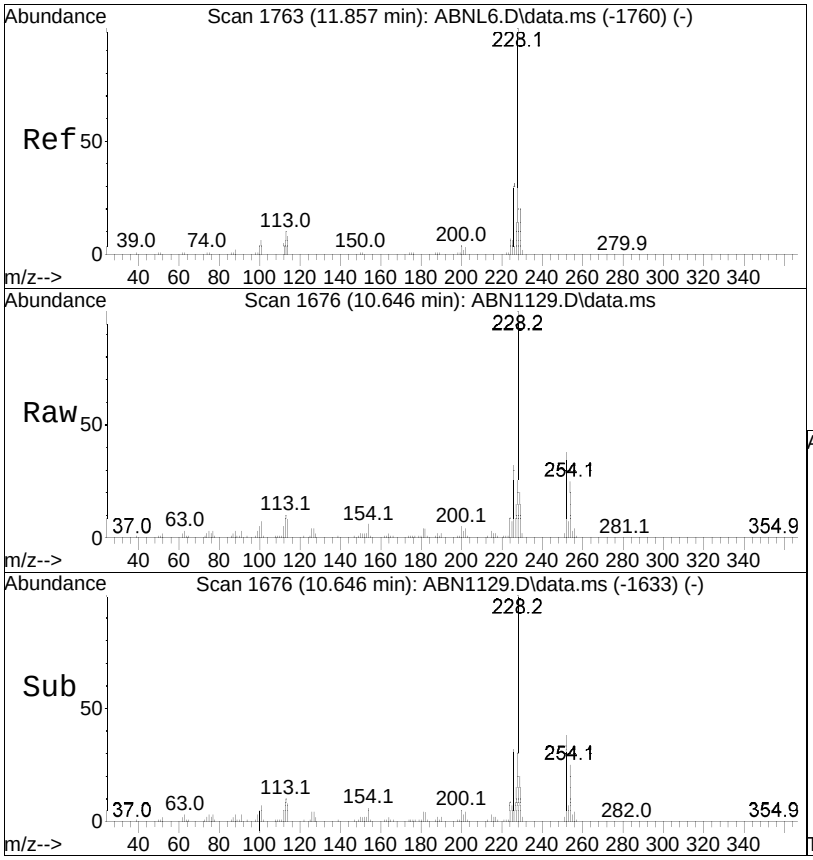


#106
3,3'-Dichlorobenzidine
Concen: 4.45 ug/ml
RT: 10.646 min Scan# 1676
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:252 Resp: 93396

Ion	Ratio	Lower	Upper
252	100		
126	13.1	12.6	19.0
254	66.4	51.1	76.7

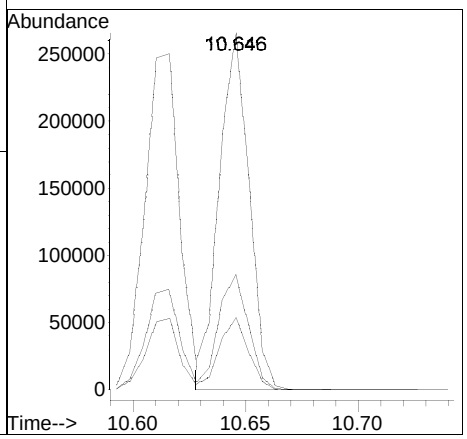


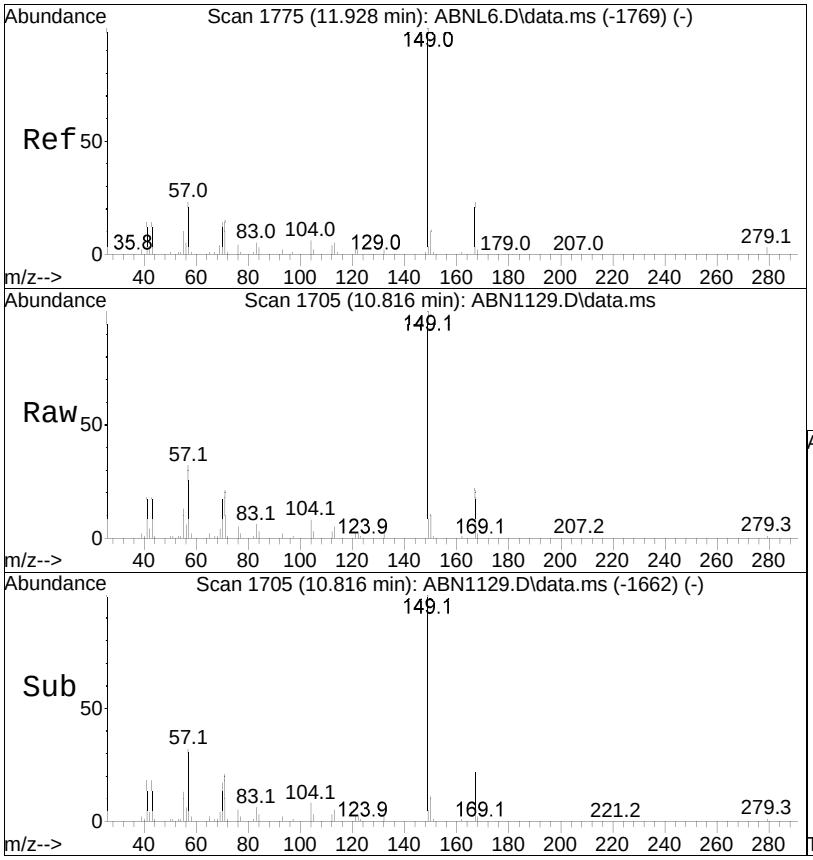


#107
Chrysene
Concen: 4.55 ug/ml
RT: 10.646 min Scan# 1676
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:228 Resp: 245181

Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.7	37.1
229	19.7	15.5	23.3

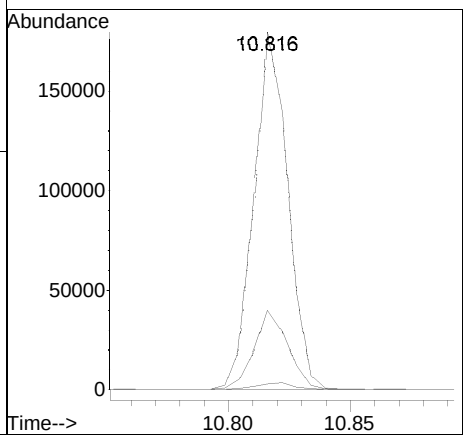


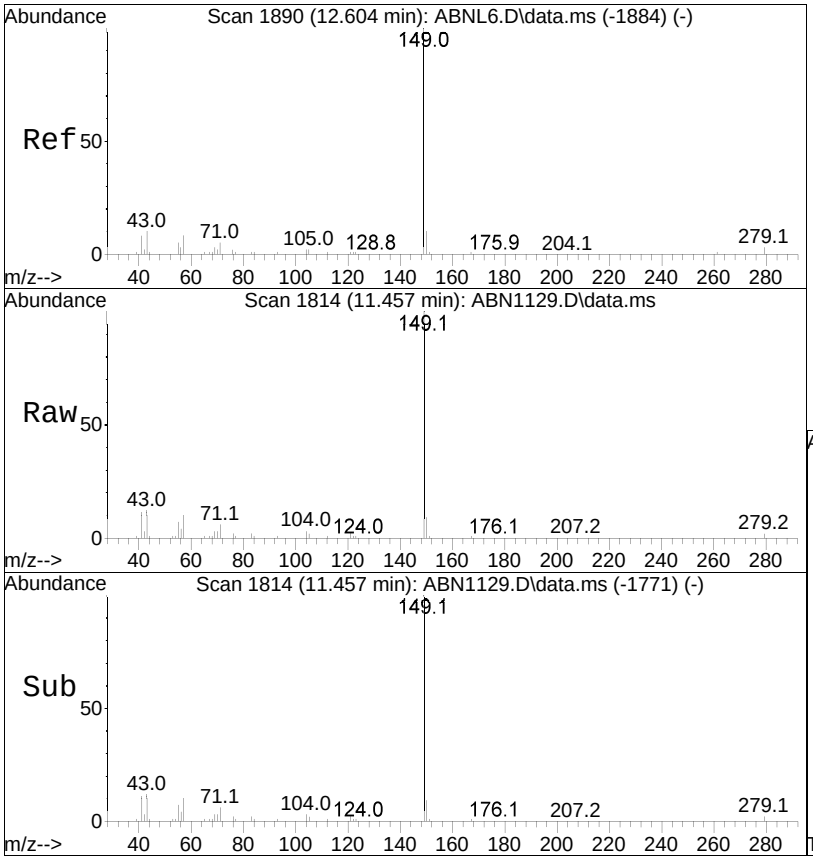


#108
Bis(2-ethylhexyl)phthalate
Concen: 4.74 ug/ml
RT: 10.816 min Scan# 1705
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:149 Resp: 171748

Ion	Ratio	Lower	Upper
149	100		
167	22.2	18.4	27.6
279	1.8	1.7	2.5

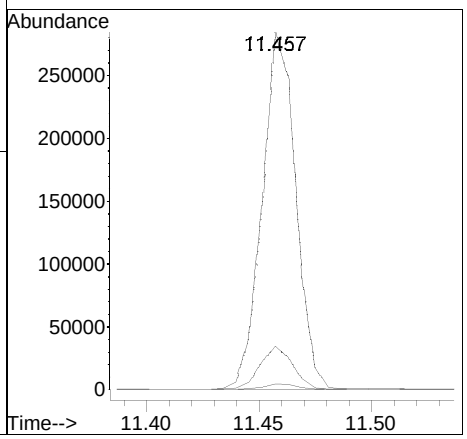


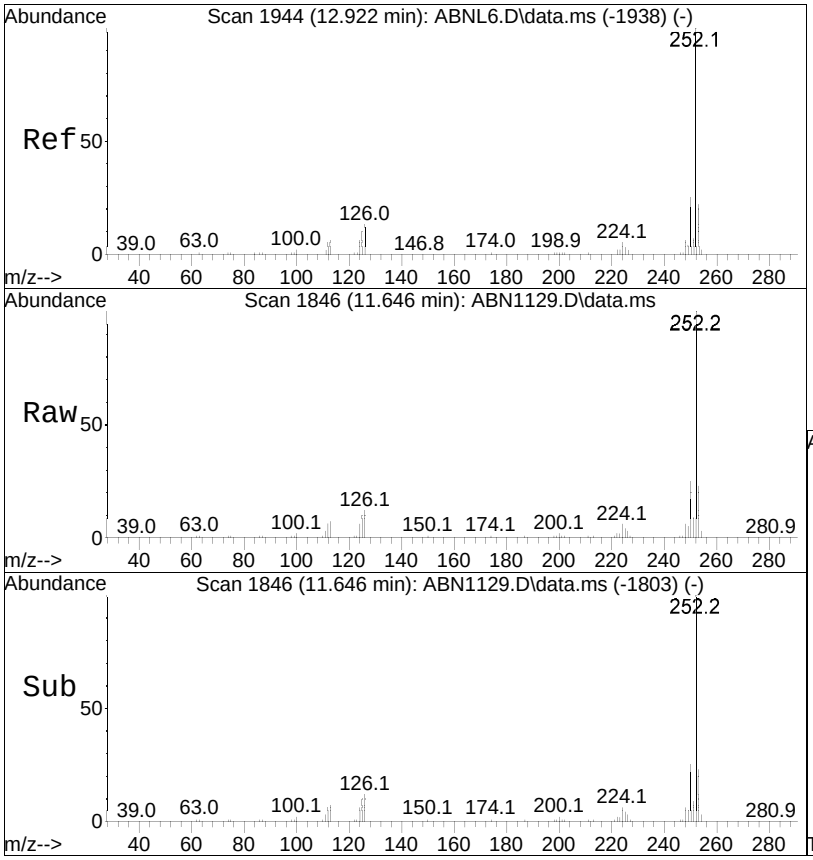


#109
Di-n-octylphthalate
Concen: 4.50 ug/ml
RT: 11.457 min Scan# 1814
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:149 Resp: 291806

Ion	Ratio	Lower	Upper
149	100		
43	11.9	8.2	12.2
167	1.4	1.1	1.7

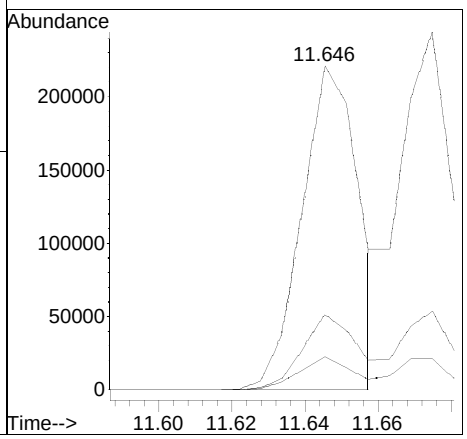


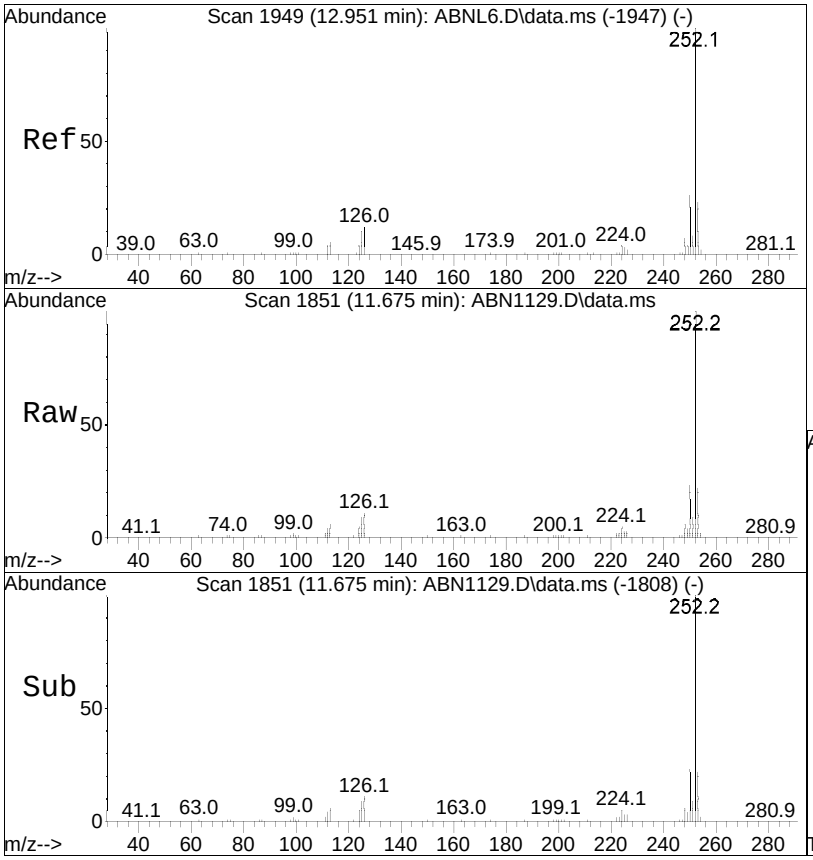


#110
Benzo(b)fluoranthene
Concen: 4.22 ug/ml
RT: 11.646 min Scan# 1846
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:252 Resp: 240317

Ion	Ratio	Lower	Upper
252	100		
125	9.6	11.3	16.9#
253	22.1	17.8	26.8

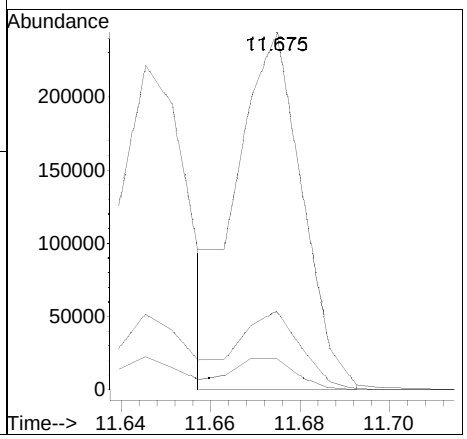


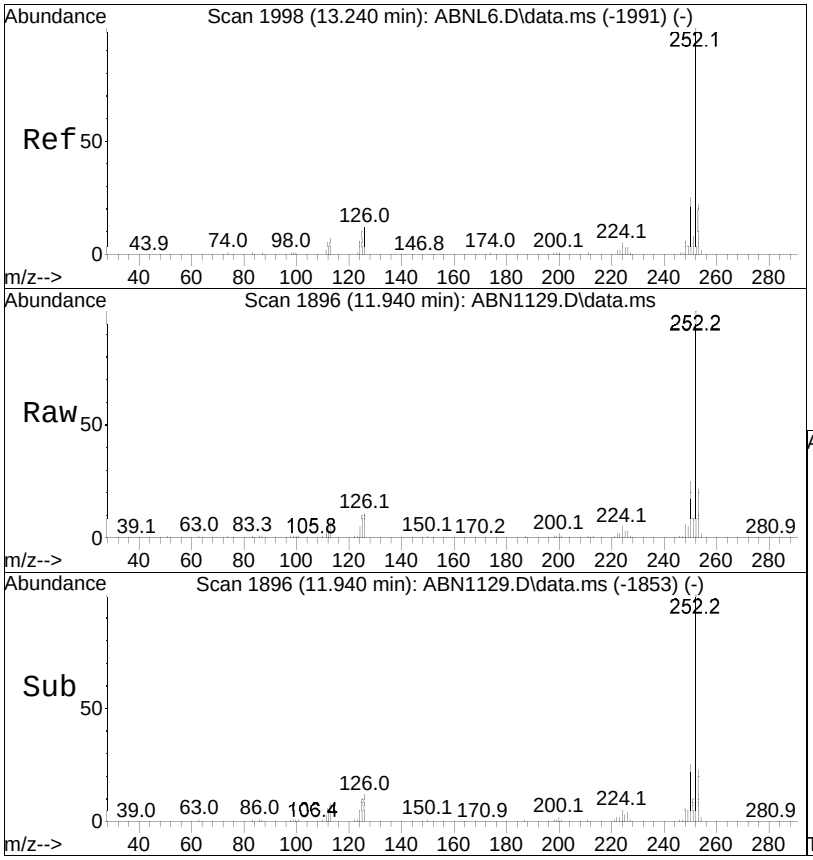


#111
Benzo(k)fluoranthene
Concen: 4.45 ug/ml M3
RT: 11.675 min Scan# 1851
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:252 Resp: 246814

Ion	Ratio	Lower	Upper
252	100		
125	9.3	11.5	17.3#
253	21.5	17.6	26.4

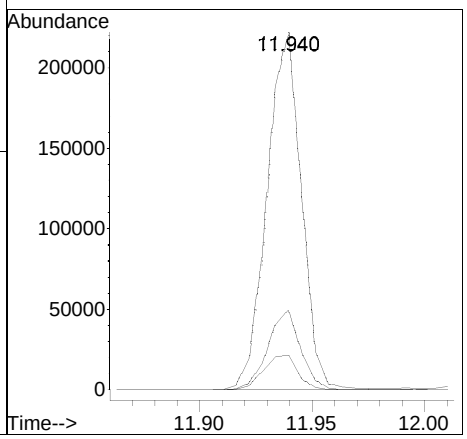


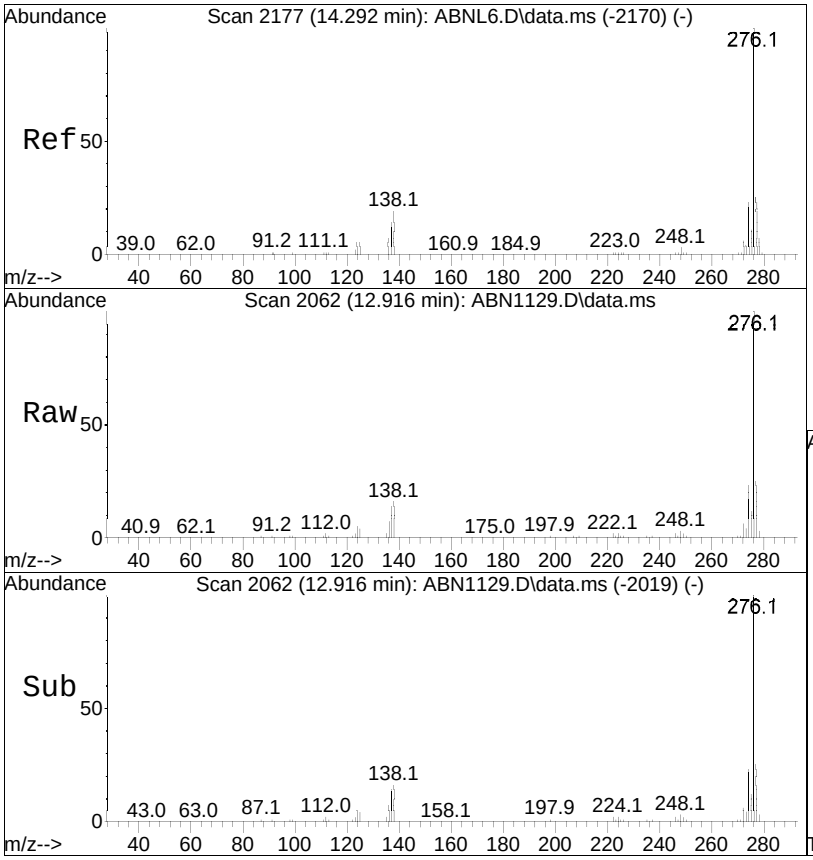


#112
Benzo(a)pyrene
Concen: 4.43 ug/ml
RT: 11.940 min Scan# 1896
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:252 Resp: 233518

Ion	Ratio	Lower	Upper
252	100		
125	9.8	12.6	18.8#
253	21.5	17.5	26.3

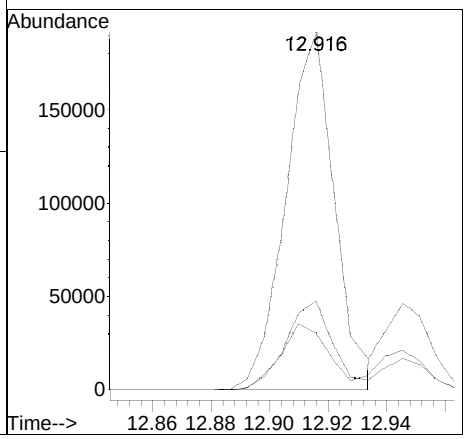


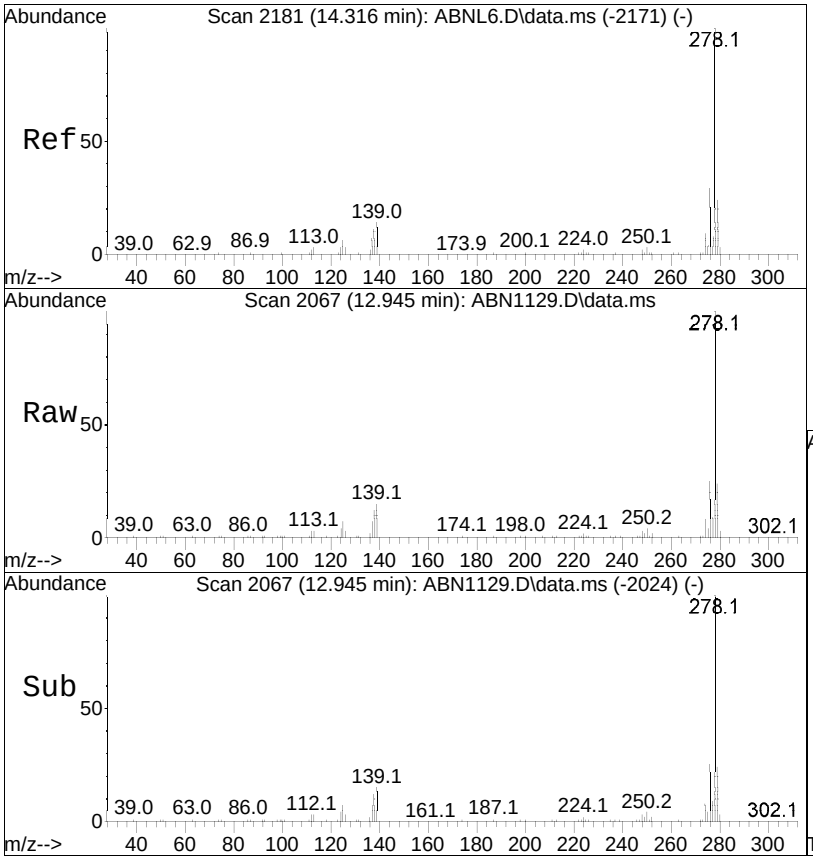


#114
Indeno(1,2,3-cd)pyrene
Concen: 4.44 ug/mL
RT: 12.916 min Scan# 2062
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:276 Resp: 220149

Ion	Ratio	Lower	Upper
276	100		
138	18.6	22.1	33.1#
277	24.6	19.0	28.6

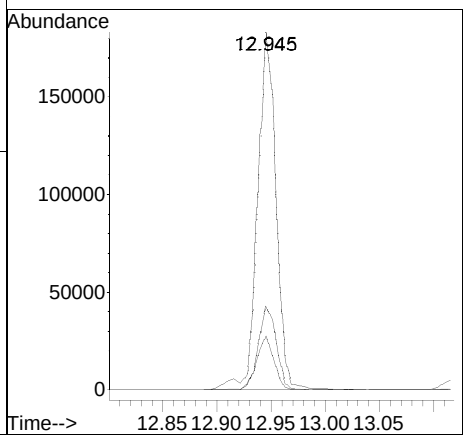


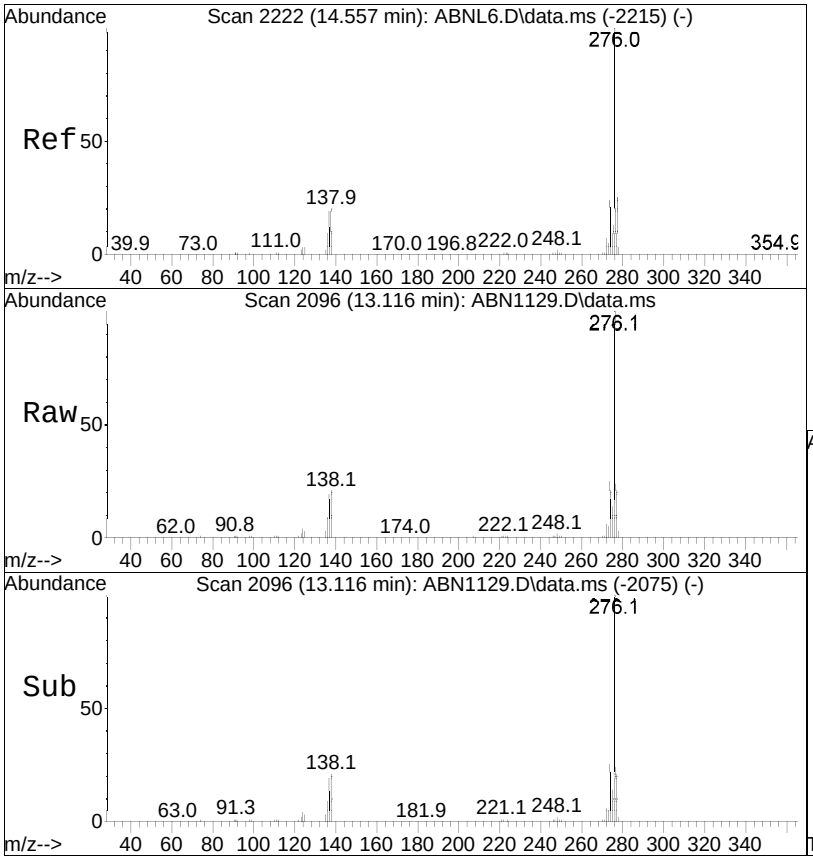


#115
Dibenzo(a,h)anthracene
Concen: 4.48 ug/ml
RT: 12.945 min Scan# 2067
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:278 Resp: 213894

Ion	Ratio	Lower	Upper
278	100		
139	14.3	17.8	26.8#
279	23.2	19.2	28.8

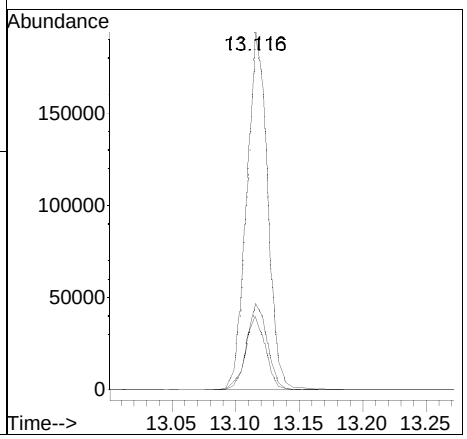




#116
Benzo(ghi)perylene
Concen: 4.43 ug/ml
RT: 13.116 min Scan# 2096
Delta R.T. 0.000 min
Lab File: ABN1129.D
Acq: 29 Nov 2025 10:51 am

Tgt Ion:276 Resp: 219917

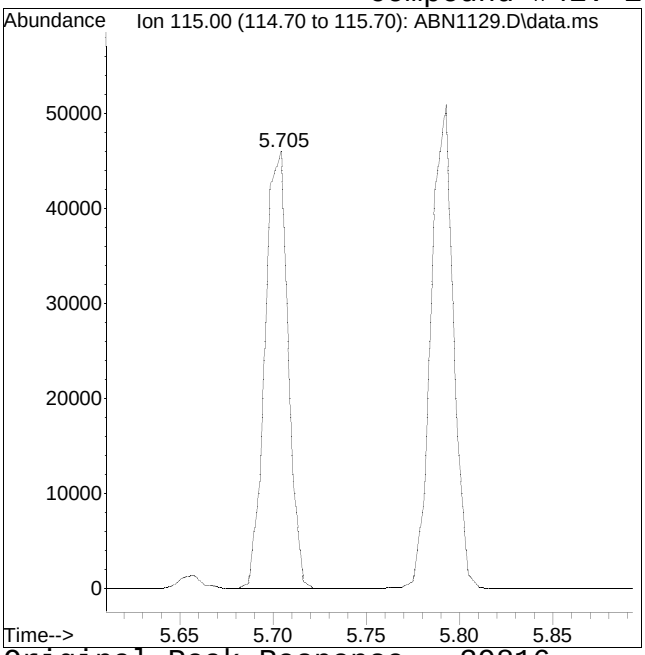
Ion	Ratio	Lower	Upper
276	100		
138	20.1	21.9	32.9#
277	23.7	18.4	27.6

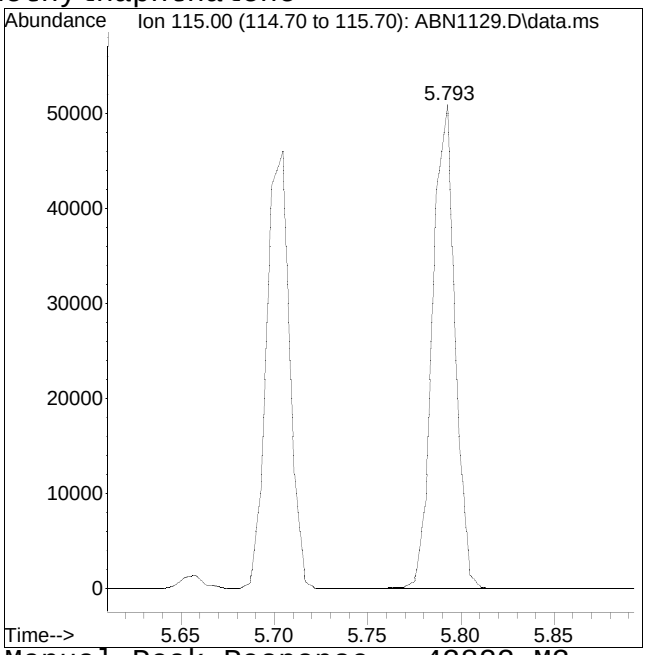


Manual Integration Report

Data Path : I:\8270\SV112\251129RVTb\ QMethod : FS250817SV112RVT.m
Data File : ABN1129.D Operator : SV112:smz
Date Inj'd : 11/29/2025 10:51 am Instrument : SV112
Sample : wg2147407-3,32,,ABN 11823 Quant Date : 11/29/2025 12:09 pm

Compound #42: 1-Methylnaphthalene





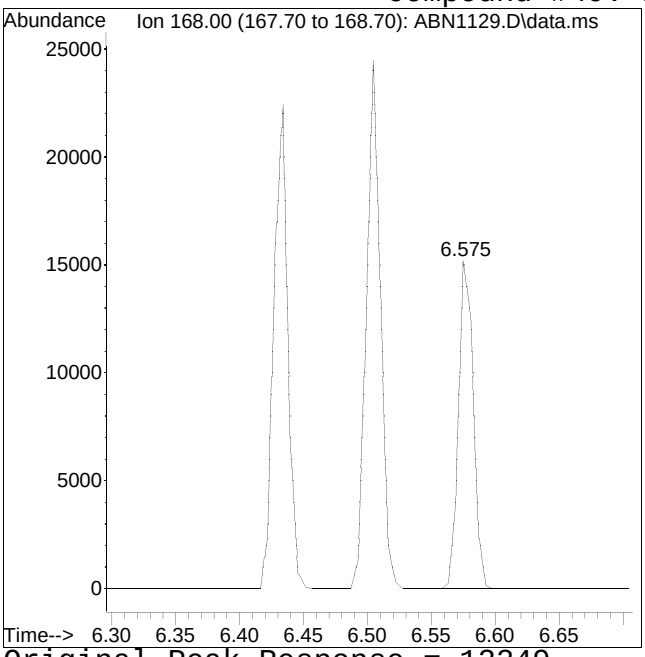
Original Peak Response = 39816 Manual Peak Response = 42822 M3

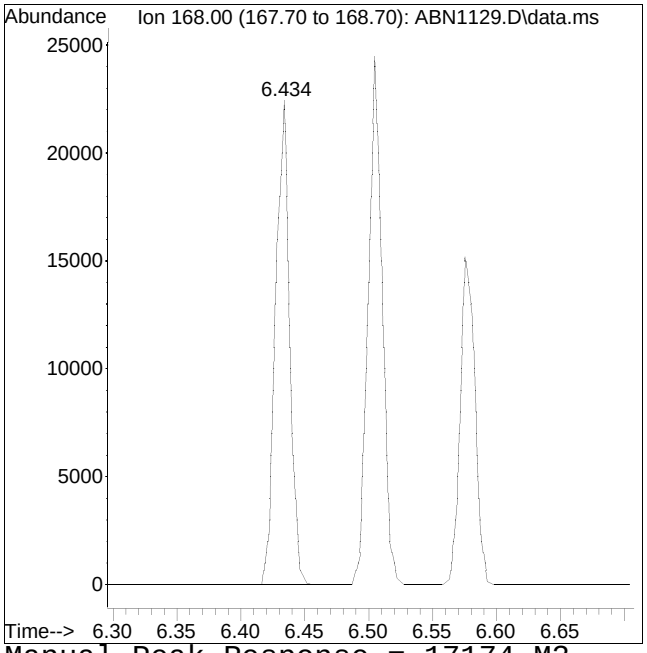
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\251129RVTb\ QMethod : FS250817SV112RVT.m
Data File : ABN1129.D Operator : SV112:smz
Date Inj'd : 11/29/2025 10:51 am Instrument : SV112
Sample : wg2147407-3,32,,ABN 11823 Quant Date : 11/29/2025 12:09 pm

Compound #49: 1,4-Dinitrobenzene





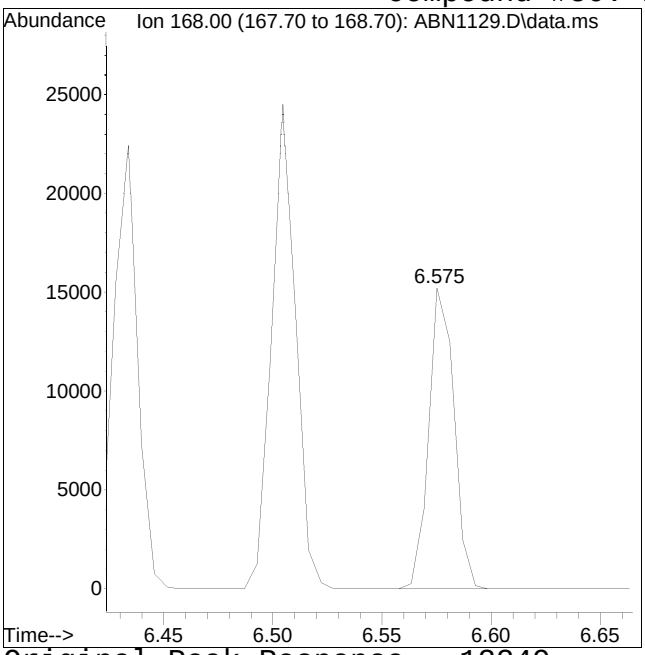
Original Peak Response = 12249 Manual Peak Response = 17174 M3

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

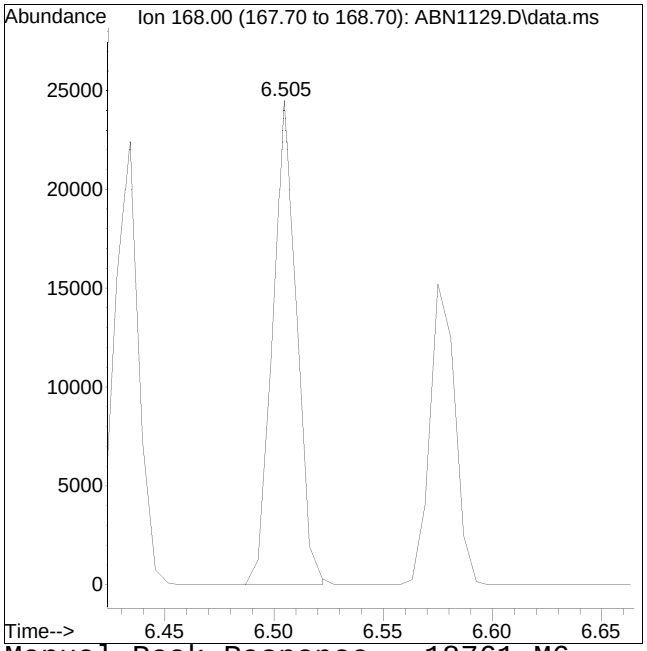
Manual Integration Report

Data Path : I:\8270\SV112\251129RVTb\ QMethod : FS250817SV112RVT.m
Data File : ABN1129.D Operator : SV112:smz
Date Inj'd : 11/29/2025 10:51 am Instrument : SV112
Sample : wg2147407-3,32,,ABN 11823 Quant Date : 11/29/2025 12:09 pm

Compound #50: 1,3-Dinitrobenzene



Original Peak Response = 12249



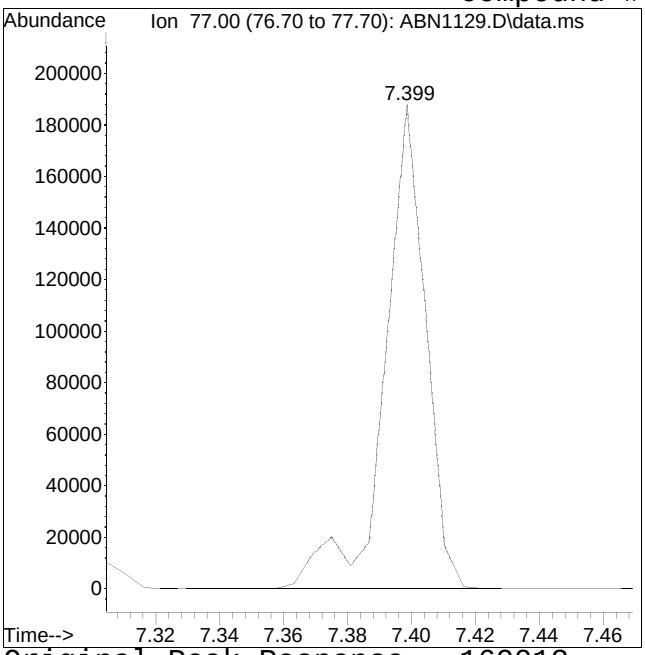
Manual Peak Response = 18761 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

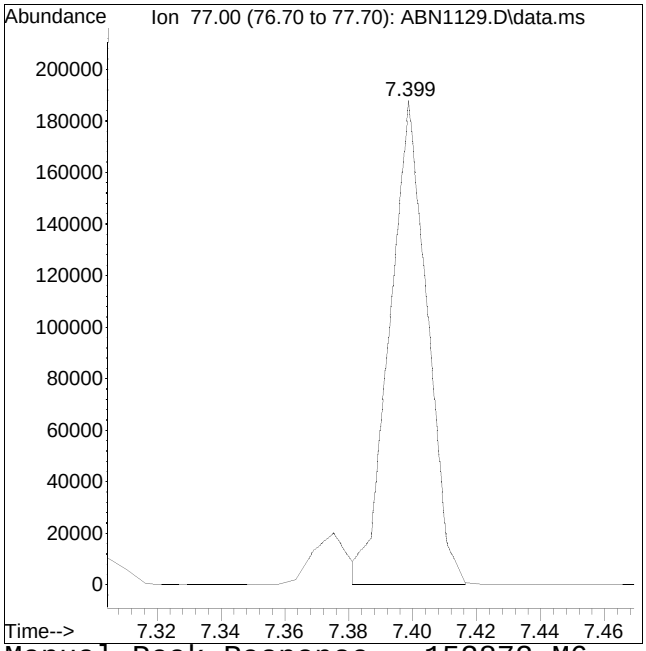
Manual Integration Report

Data Path : I:\8270\SV112\251129RVTb\ QMethod : FS250817SV112RVT.m
Data File : ABN1129.D Operator : SV112:smz
Date Inj'd : 11/29/2025 10:51 am Instrument : SV112
Sample : wg2147407-3,32,,ABN 11823 Quant Date : 11/29/2025 12:09 pm

Compound #78: Azobenzene



Original Peak Response = 169012



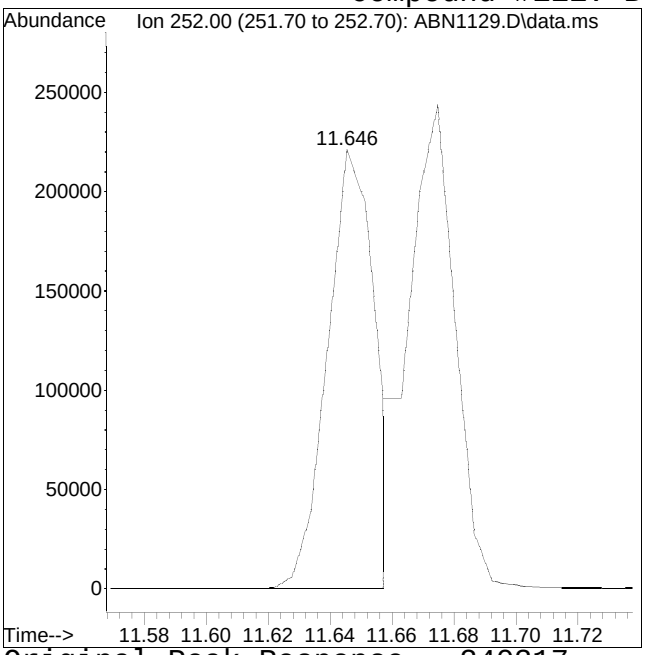
Manual Peak Response = 152872 M6

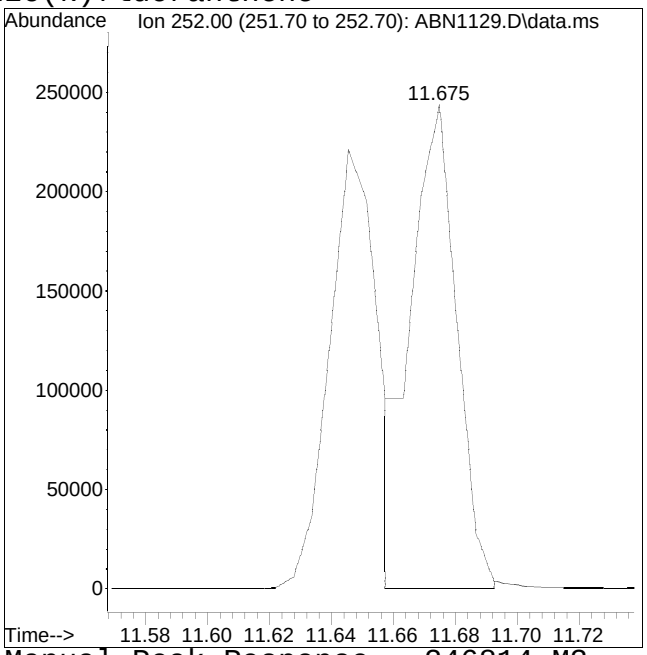
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV112\251129RVTb\ QMethod : FS250817SV112RVT.m
Data File : ABN1129.D Operator : SV112:smz
Date Inj'd : 11/29/2025 10:51 am Instrument : SV112
Sample : wg2147407-3,32,,ABN 11823 Quant Date : 11/29/2025 12:09 pm

Compound #111: Benzo(k)fluoranthene





Original Peak Response = 240317 Manual Peak Response = 246814 M3

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

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\251129RVTb\
Data File : AP91129.D
Acq On : 29 Nov 2025 11:14 am
Operator : SV112:smz
Sample : wg2147407-4,32,,AP9 12015 gmr1114C
Misc : wg2147407,,ical22560
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Dec 01 08:32:56 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:09:43 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	142	0.00
28	T	Benzaldehyde	0.597	0.682	-14.2	172	0.00
29	T	Acetophenone	1.980	1.928	2.6	145	0.00
30	T	m-Toluidine	1.191	1.218	-2.3	145	0.00
31	T	2-Chloroaniline	1.688	1.498	11.3	129	0.00
55	I	IS2_Naphthalene-d8	1.000	1.000	0.0	126	0.00
56	T	a-Terpineol	0.298	0.379	-27.2#	165	0.00
57	T	3-Chloroaniline	0.138	0.183	-32.6#	170	0.00
58	T	2,6-Dichlorophenol	0.282	0.324	-14.9	142	0.00
59	T	1-chloro-2-nitrobenzene	0.137	0.174	-27.0#	162	0.00
60	T	Caprolactam	0.177	0.207	-16.9	150	0.00
61	T	1,2,4,5-Tetrachlorobenzene	0.443	0.488	-10.2	145	0.00
62	T	Biphenyl	0.978	0.880	10.0	119	0.00
83	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	124	0.00
84	T	Dichloran	0.179	0.233	-30.2#	173	0.00
85	T	Pentachloronitrobenzene	0.205	0.275	-34.1#	177	0.00
98	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	131	0.00
99	T	Diphenamid	0.494	0.496	-0.4	134	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\251129RVTb\
Data File : AP91129.D
Acq On : 29 Nov 2025 11:14 am
Operator : SV112:smz
Sample : wg2147407-4,32,,AP9 12015 gmr1114C
Misc : wg2147407,,ical22560
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Dec 01 08:32:56 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:09:43 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	3.740	152	31519	4.000	ug/ml		0.00
55) IS2_Naphthalene-d8	4.999	136	109964	4.000	ug/ml		0.00
83) IS2_Acenaphthene-d10	6.687	164	69710	4.000	ug/ml		0.00
98) IS2_Phenanthrene-d10	8.093	188	162258	4.000	ug/ml	#	0.00
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	3.281	105	26885	5.717	ug/ml		86
29) Acetophenone	4.169	105	75943	4.867	ug/ml	#	89
30) m-Toluidine	4.263	106	47968	5.110	ug/ml	#	98
31) 2-Chloroaniline	4.622	127	59000	4.436	ug/ml	#	92
56) a-Terpineol	5.087	59	52121	6.363	ug/ml		94
57) 3-Chloroaniline	5.099	65	25099	6.597	ug/ml	#	58
58) 2,6-Dichlorophenol	5.122	162	44524	5.734	ug/ml	#	79
59) 1-chloro-2-nitrobenzene	5.369	111	23855	6.314	ug/ml		89
60) Caprolactam	5.416	55	28439	5.833	ug/ml		93
61) 1,2,4,5-Tetrachloroben...	5.875	216	67033	5.499	ug/ml		96
62) Biphenyl	6.169	154	120949	4.497	ug/ml		98
84) Dichloran	7.822	206	20261	6.479	ug/ml	#	79
85) Pentachloronitrobenzene	7.957	237	23969	6.719	ug/ml	#	80
99) Diphenamid	9.028	167	100521	5.012	ug/ml		96

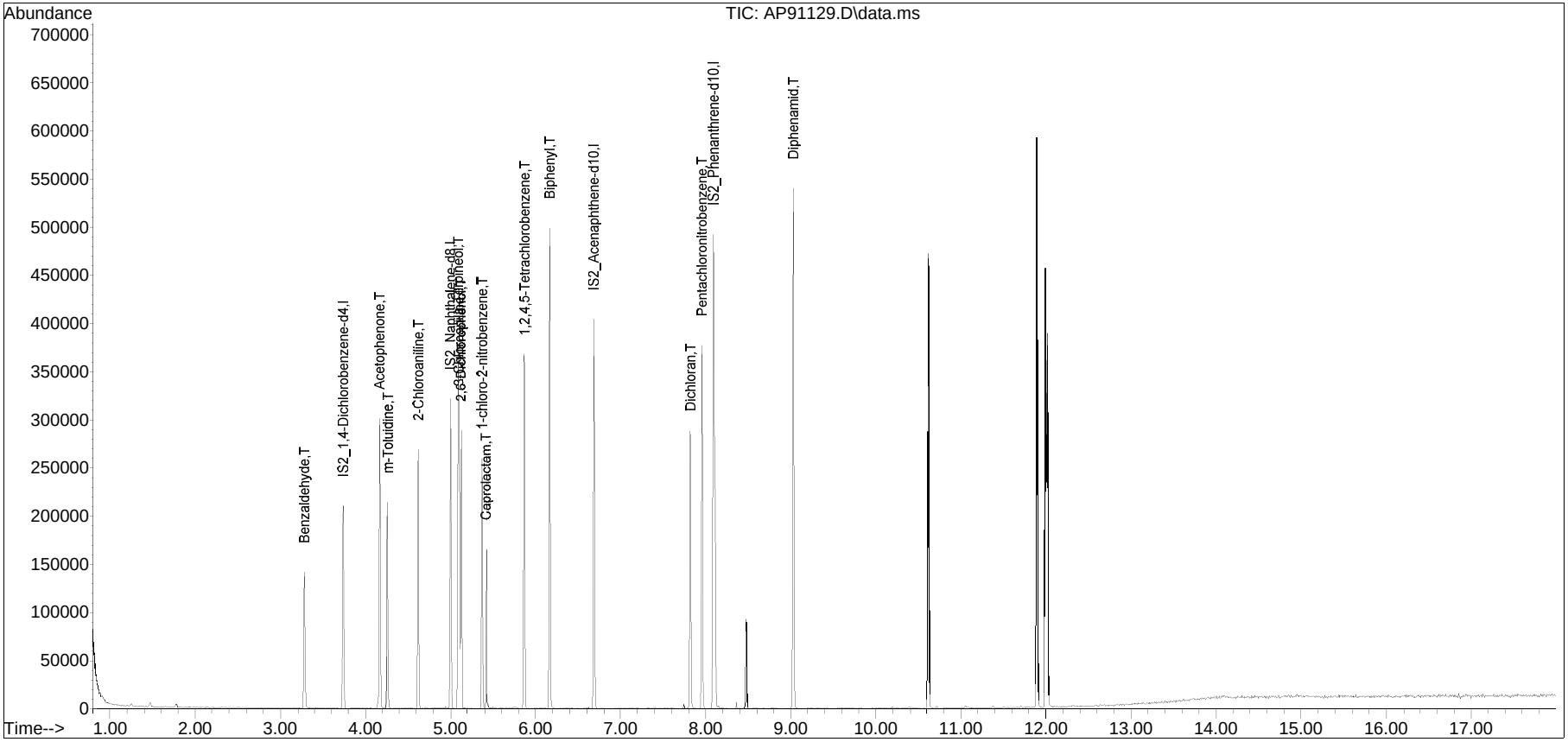
(#) = qualifier out of range (m) = manual integration (+) = signals summed

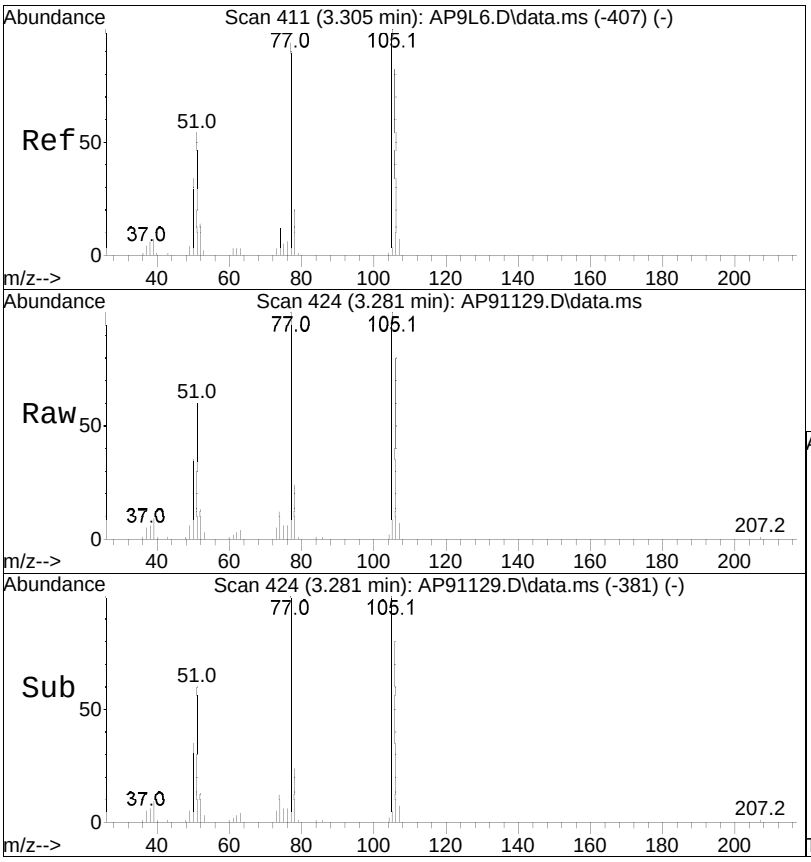
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\251129RVTb\
Data File : AP91129.D
Acq On : 29 Nov 2025 11:14 am
Operator : SV112:smz
Sample : wg2147407-4,32,,AP9 12015 gmr1114C
Misc : wg2147407,,ical22560
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Dec 01 08:32:56 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:09:43 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

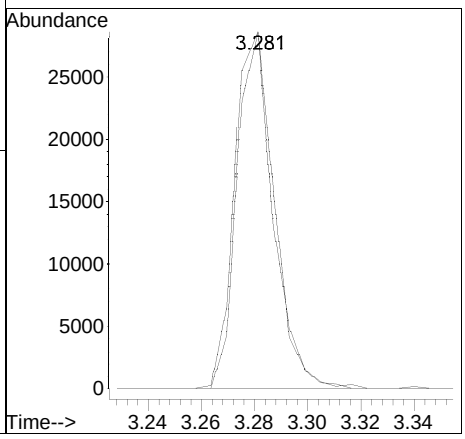


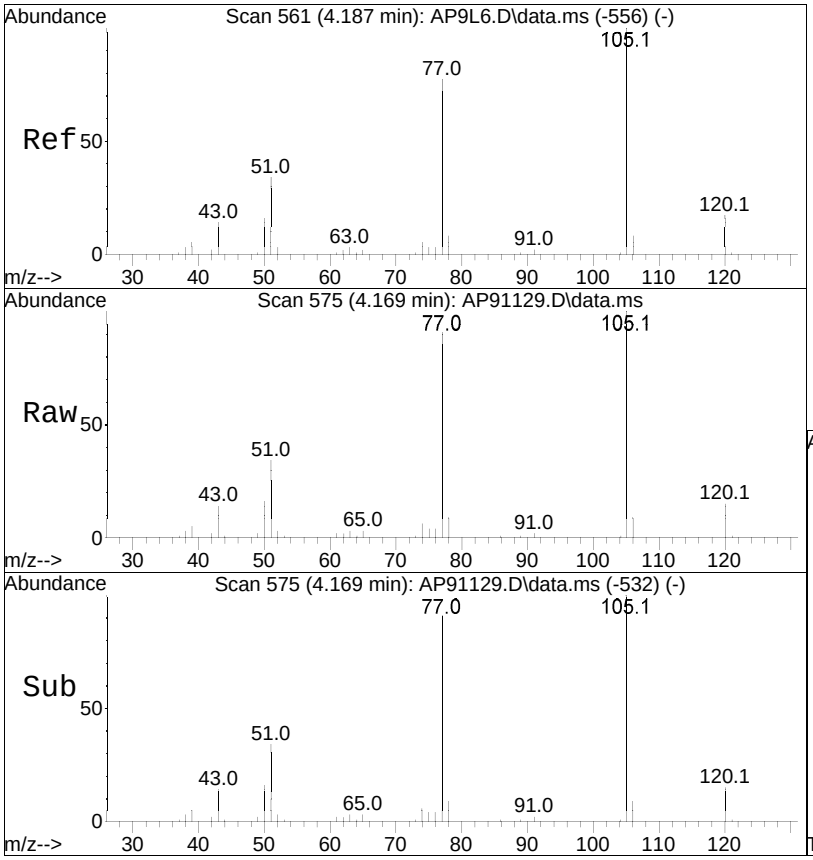


#28
Benzaldehyde
Concen: 5.72 ug/ml
RT: 3.281 min Scan# 424
Delta R.T. 0.000 min
Lab File: AP91129.D
Acq: 29 Nov 2025 11:14 am

Tgt Ion:105 Resp: 26885

Ion	Ratio	Lower	Upper
105	100		
77	109.9	77.0	115.6

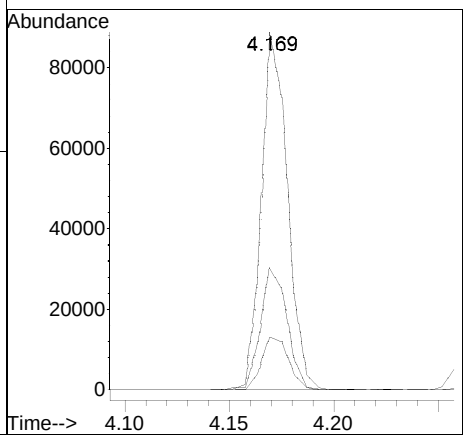


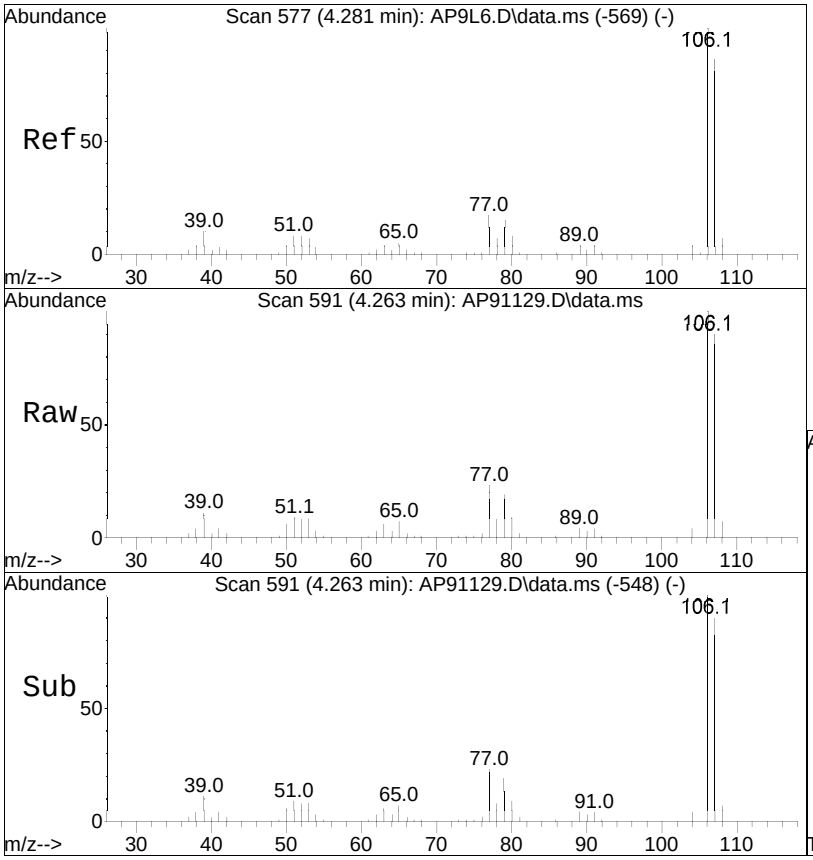


#29
Acetophenone
Concen: 4.87 ug/ml
RT: 4.169 min Scan# 575
Delta R.T. 0.000 min
Lab File: AP91129.D
Acq: 29 Nov 2025 11:14 am

Tgt Ion:105 Resp: 75943

Ion	Ratio	Lower	Upper
105	100		
120	15.6	15.2	22.8
51	35.6	23.1	34.7#

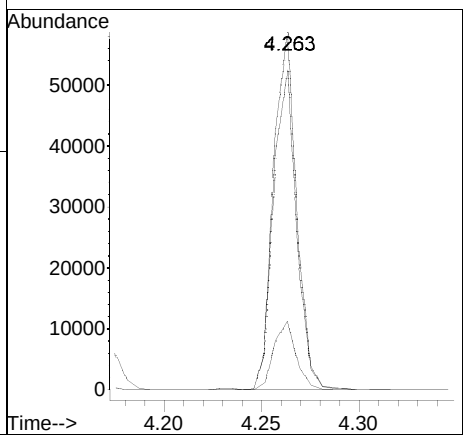


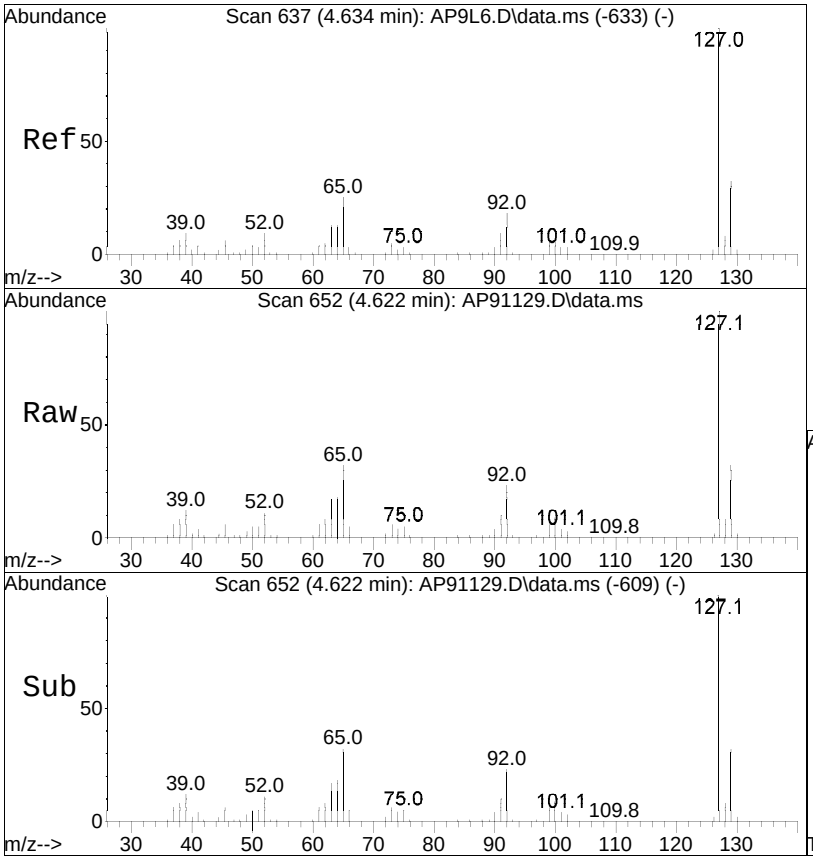


#30
m-Toluidine
Concen: 5.11 ug/ml
RT: 4.263 min Scan# 591
Delta R.T. 0.000 min
Lab File: AP91129.D
Acq: 29 Nov 2025 11:14 am

Tgt Ion:106 Resp: 47968

Ion	Ratio	Lower	Upper
106	100		
107	89.8	72.3	108.5
79	18.5	12.2	18.2#

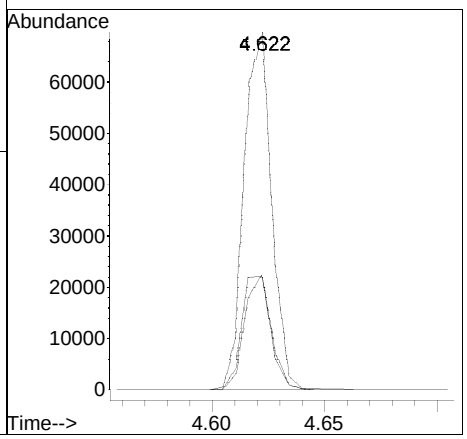


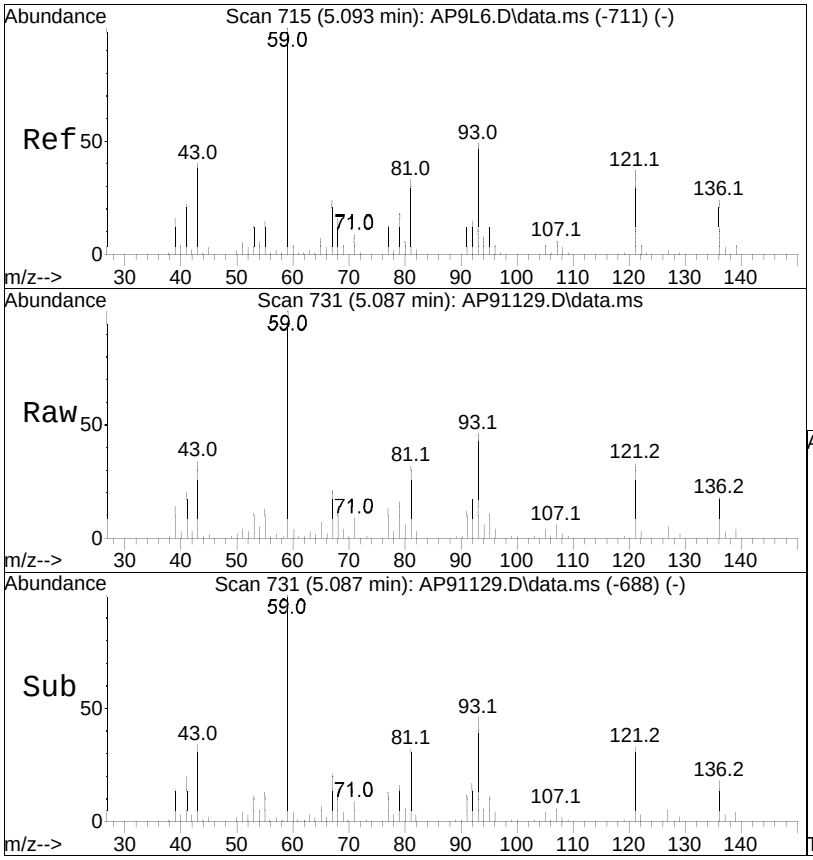


#31
2-Chloroaniline
Concen: 4.44 ug/ml
RT: 4.622 min Scan# 652
Delta R.T. 0.000 min
Lab File: AP91129.D
Acq: 29 Nov 2025 11:14 am

Tgt Ion:127 Resp: 59000

Ion	Ratio	Lower	Upper
127	100		
129	31.1	25.7	38.5
65	33.4	20.5	30.7#

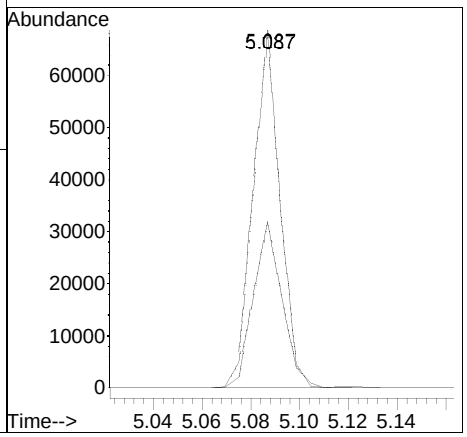


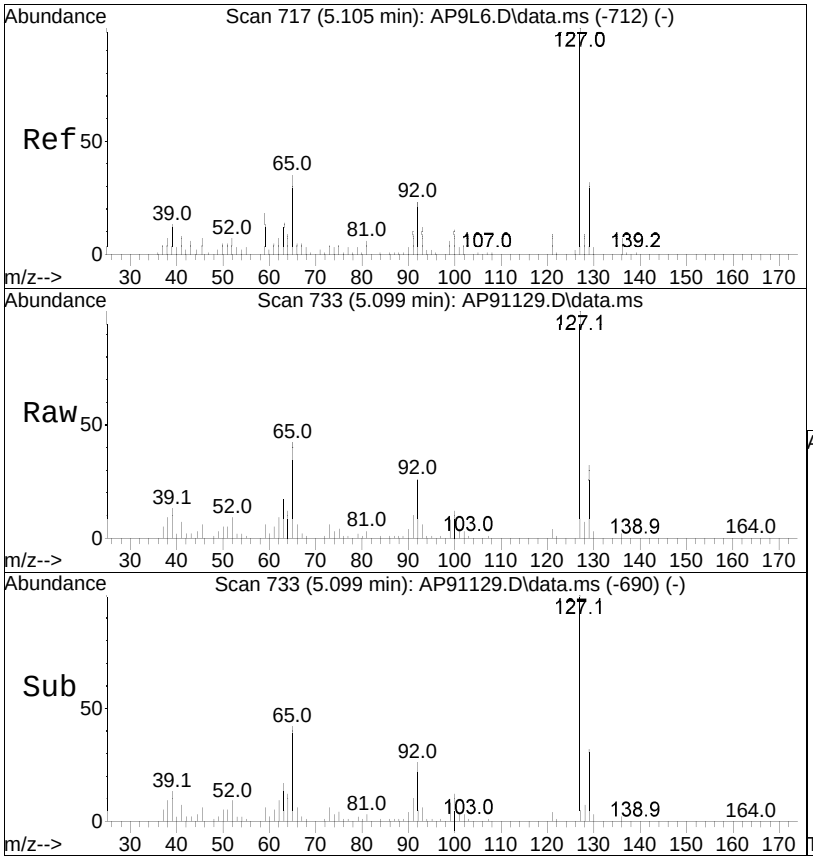


#56
a-Terpineol
Concen: 6.36 ug/ml
RT: 5.087 min Scan# 731
Delta R.T. 0.000 min
Lab File: AP91129.D
Acq: 29 Nov 2025 11:14 am

Tgt Ion: 59 Resp: 52121

Ion	Ratio	Lower	Upper
59	100		
93	50.3	43.5	65.3

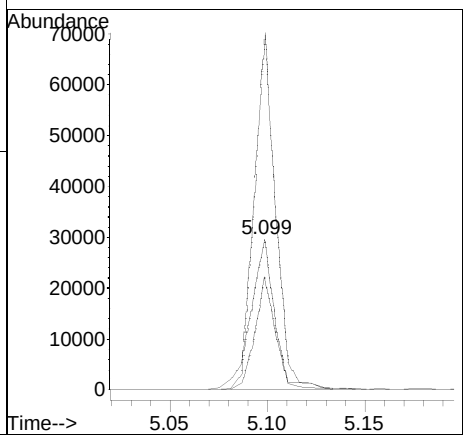


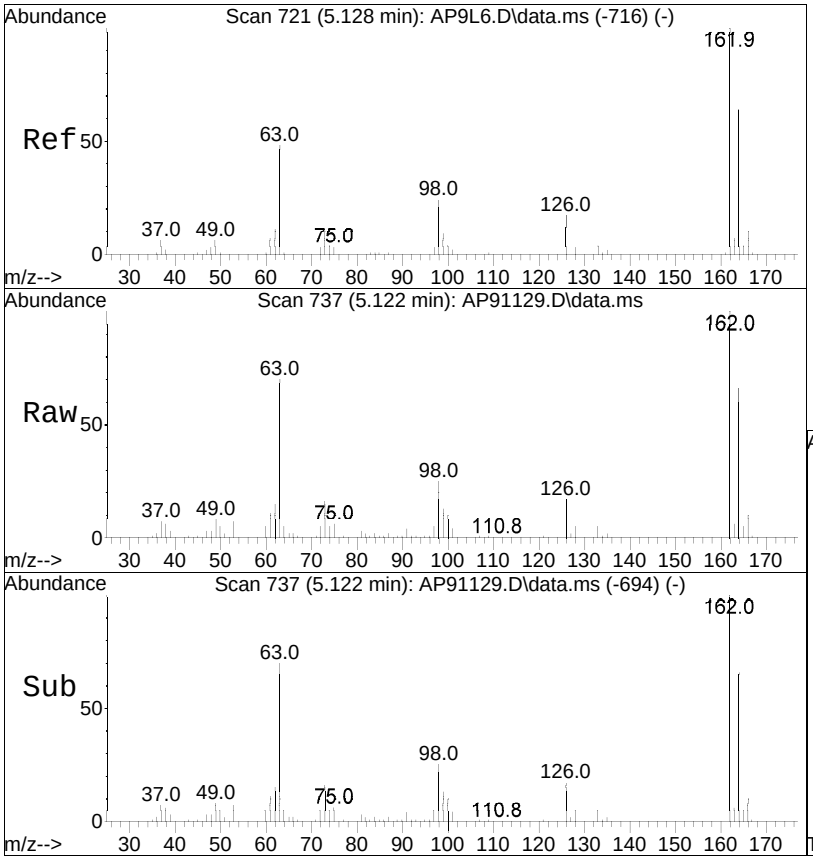


#57
3-Chloroaniline
Concen: 6.60 ug/ml
RT: 5.099 min Scan# 733
Delta R.T. 0.000 min
Lab File: AP91129.D
Acq: 29 Nov 2025 11:14 am

Tgt Ion: 65 Resp: 25099

Ion	Ratio	Lower	Upper
65	100		
127	209.0	236.6	355.0#
129	63.3	76.6	115.0#

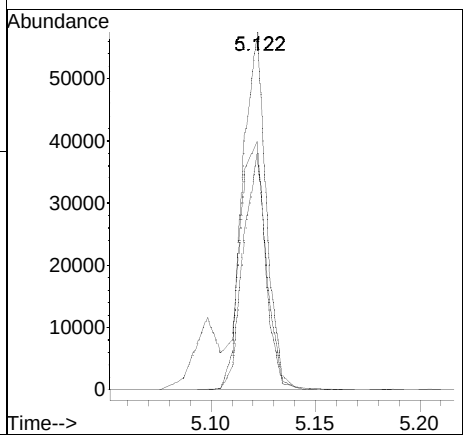


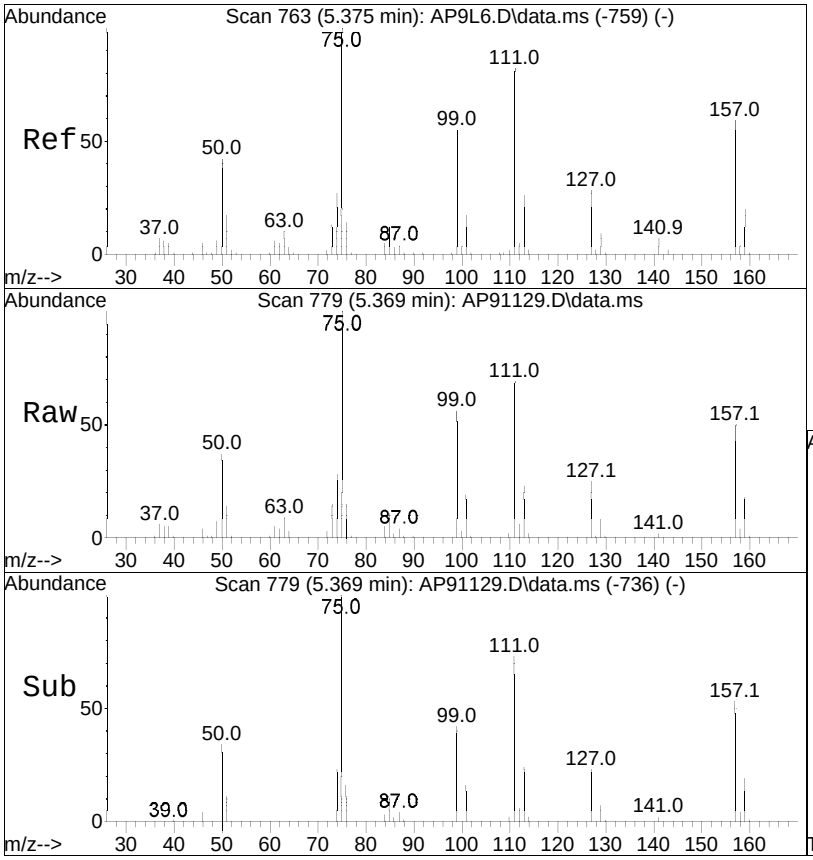


#58
2,6-Dichlorophenol
Concen: 5.73 ug/ml
RT: 5.122 min Scan# 737
Delta R.T. 0.000 min
Lab File: AP91129.D
Acq: 29 Nov 2025 11:14 am

Tgt Ion:162 Resp: 44524

Ion	Ratio	Lower	Upper
162	100		
164	66.0	50.8	76.2
63	97.5	53.6	80.4#

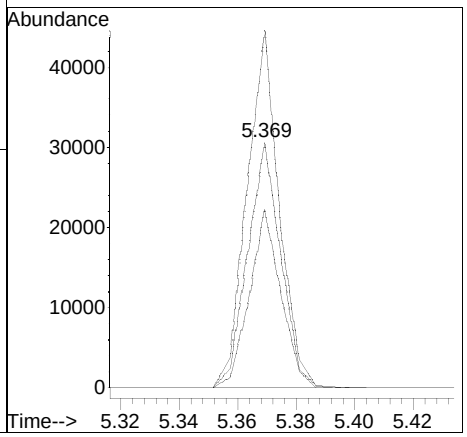


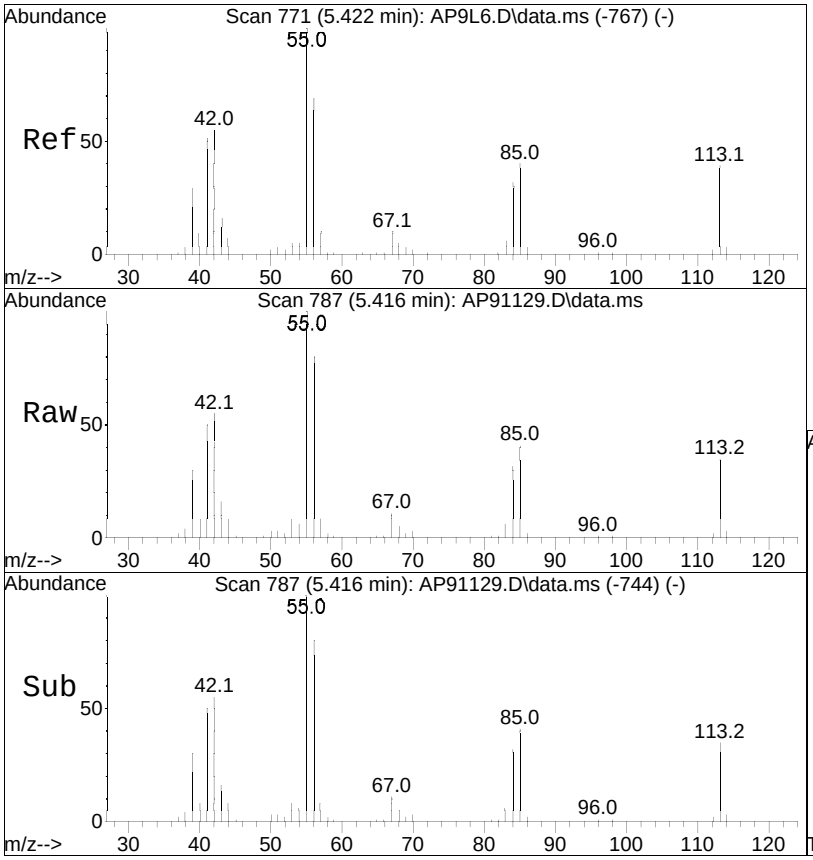


#59
1-chloro-2-nitrobenzene
Concen: 6.31 ug/ml
RT: 5.369 min Scan# 779
Delta R.T. 0.000 min
Lab File: AP91129.D
Acq: 29 Nov 2025 11:14 am

Tgt Ion:111 Resp: 23855

Ion	Ratio	Lower	Upper
111	100		
157	69.2	56.2	84.2
75	141.5	97.8	146.6

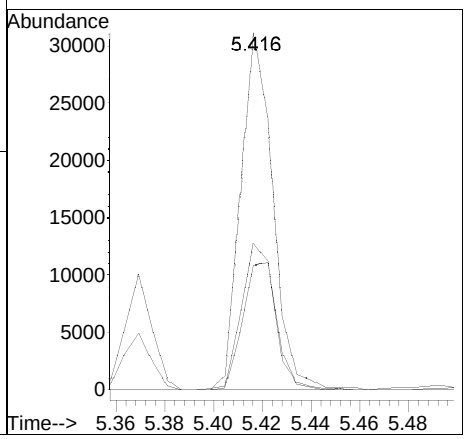


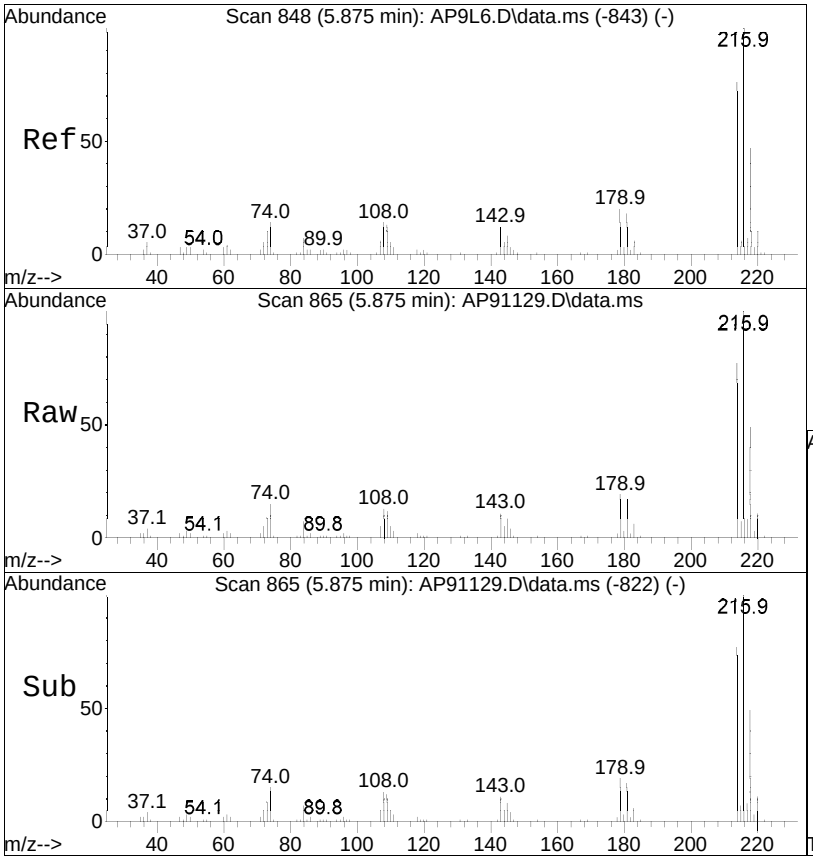


#60
Caprolactam
Concen: 5.83 ug/ml
RT: 5.416 min Scan# 787
Delta R.T. 0.000 min
Lab File: AP91129.D
Acq: 29 Nov 2025 11:14 am

Tgt Ion: 55 Resp: 28439

Ion	Ratio	Lower	Upper
55	100		
85	42.4	35.2	52.8
113	38.3	36.6	55.0

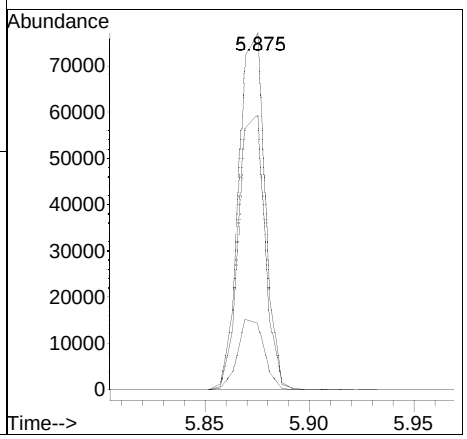


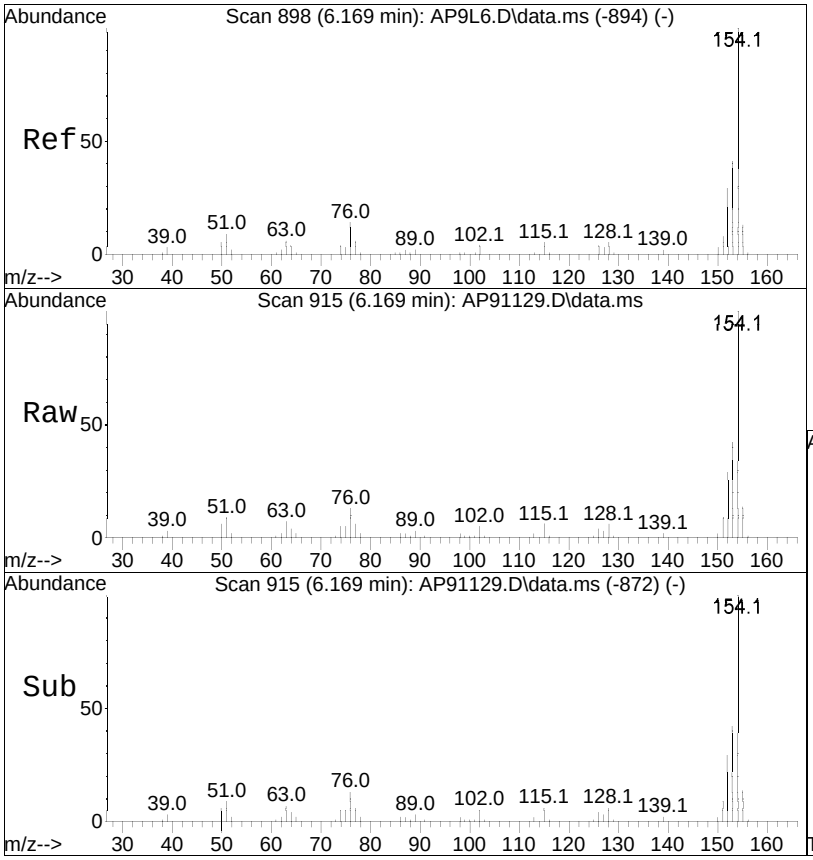


#61
1,2,4,5-Tetrachlorobenzene
Concen: 5.50 ug/ml
RT: 5.875 min Scan# 865
Delta R.T. 0.000 min
Lab File: AP91129.D
Acq: 29 Nov 2025 11:14 am

Tgt Ion:216 Resp: 67033

Ion	Ratio	Lower	Upper
216	100		
214	77.3	64.0	96.0
179	20.0	18.7	28.1

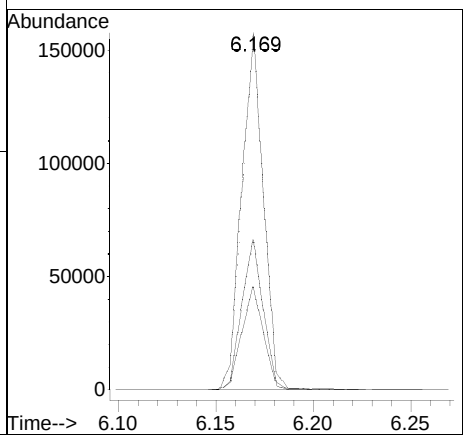


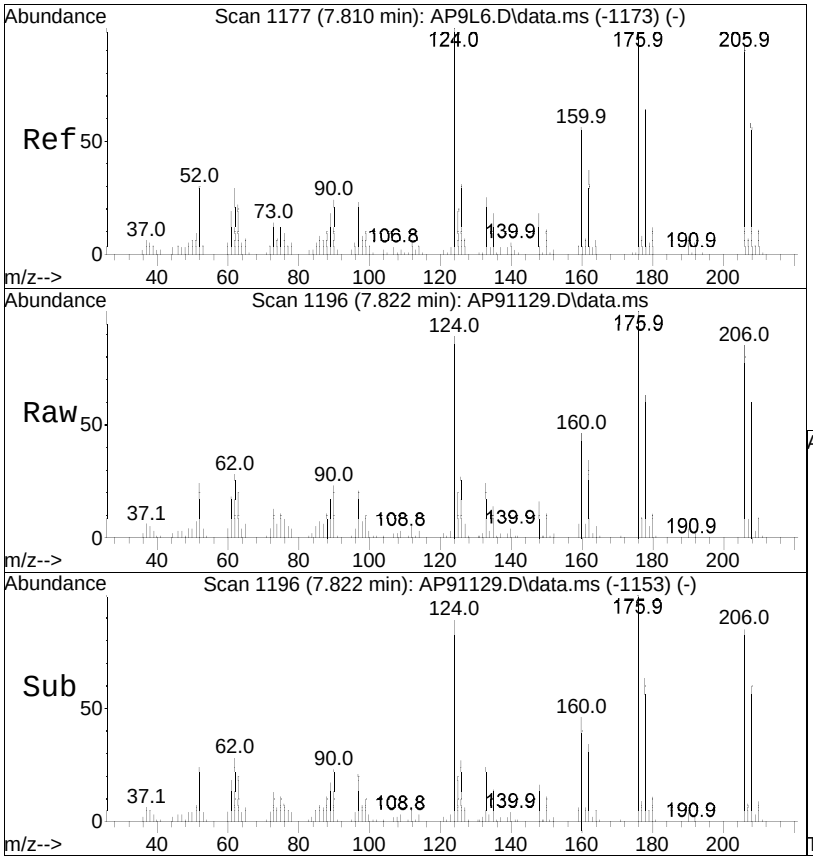


#62
Biphenyl
Concen: 4.50 ug/ml
RT: 6.169 min Scan# 915
Delta R.T. 0.000 min
Lab File: AP91129.D
Acq: 29 Nov 2025 11:14 am

Tgt Ion:154 Resp: 120949

Ion	Ratio	Lower	Upper
154	100		
153	42.2	32.5	48.7
152	29.3	22.6	34.0

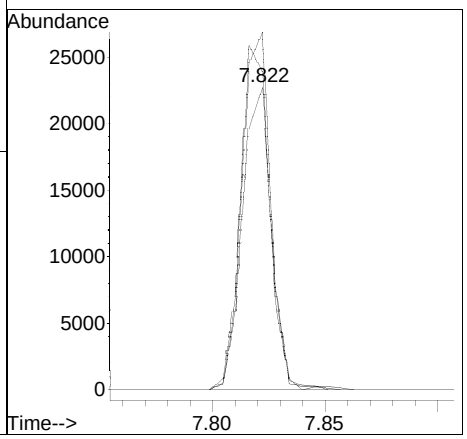


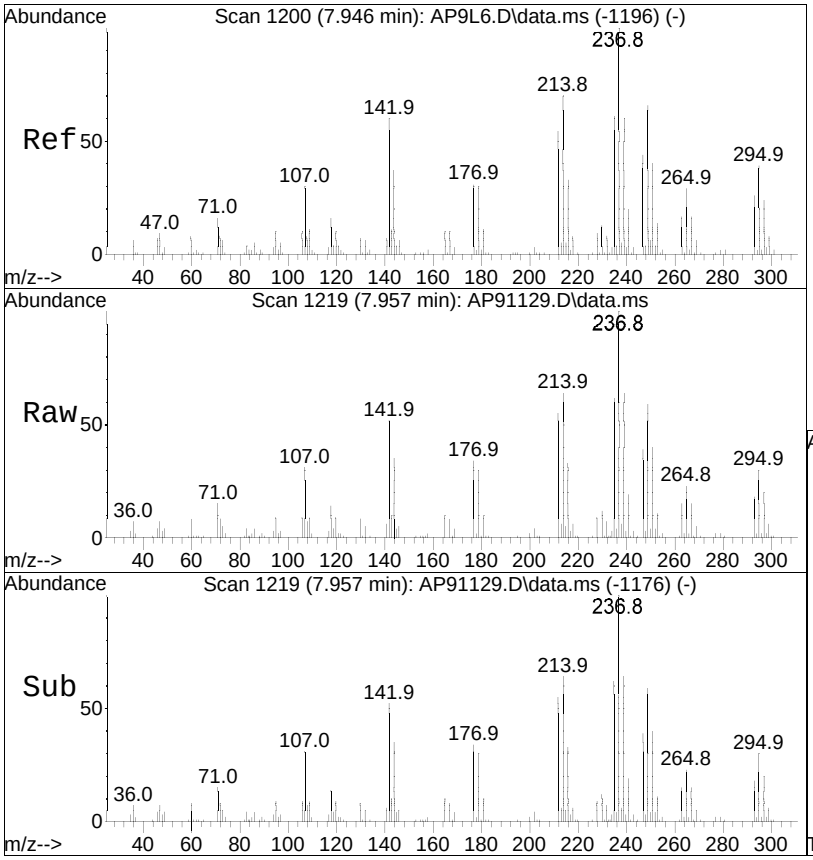


#84
Dichloran
Concen: 6.48 ug/ml
RT: 7.822 min Scan# 1196
Delta R.T. 0.000 min
Lab File: AP91129.D
Acq: 29 Nov 2025 11:14 am

Tgt Ion:206 Resp: 20261

Ion	Ratio	Lower	Upper
206	100		
176	116.7	98.8	148.2
124	114.3	125.8	188.6#

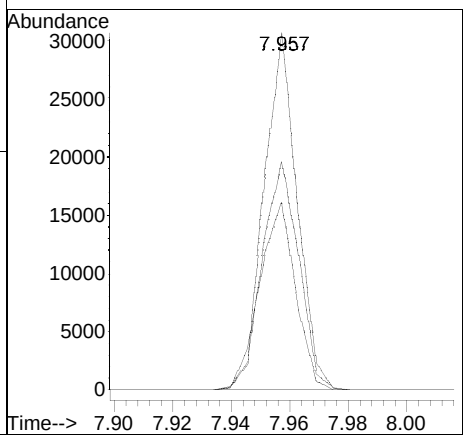


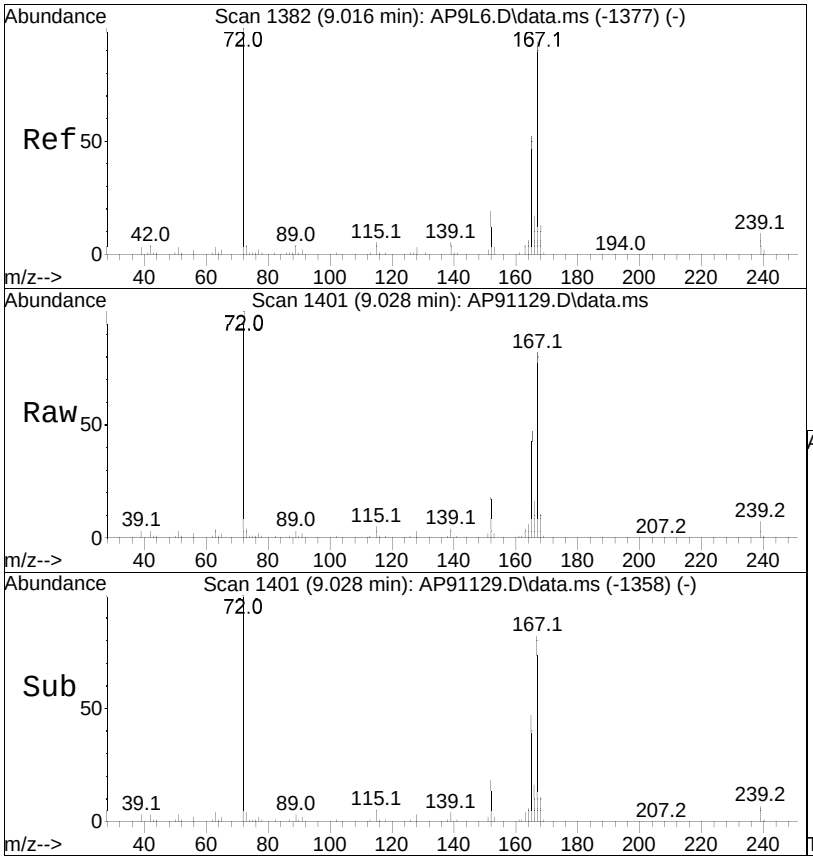


#85
Pentachloronitrobenzene
Concen: 6.72 ug/ml
RT: 7.957 min Scan# 1219
Delta R.T. 0.000 min
Lab File: AP91129.D
Acq: 29 Nov 2025 11:14 am

Tgt Ion:237 Resp: 23969

Ion	Ratio	Lower	Upper
237	100		
142	57.3	70.3	105.5#
214	70.8	59.4	89.2

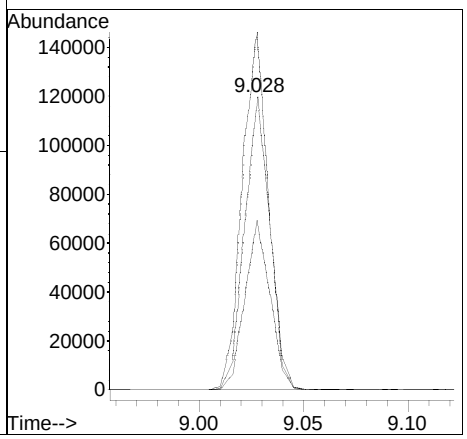




#99
Diphenamid
Concen: 5.01 ug/ml
RT: 9.028 min Scan# 1401
Delta R.T. 0.000 min
Lab File: AP91129.D
Acq: 29 Nov 2025 11:14 am

Tgt Ion:167 Resp: 100521

Ion	Ratio	Lower	Upper
167	100		
72	124.4	98.9	148.3
165	57.6	40.4	60.6



Manual Integration Report

Data Path	: I:\8270\SV112\251129RVTb\	QMethod	: FS250817SV112RVT.m
Data File	: AP91129.D	Operator	: SV112:smz
Date Inj'd	: 11/29/2025 11:14 am	Instrument	: SV112
Sample	: wg2147407-4,32,,AP9 12015	Quant Date	: 11/29/2025 12:09 pm

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

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\251129RVTb\
Data File : ADP1129.D
Acq On : 29 Nov 2025 11:37 am
Operator : SV112:smz
Sample : wg2147407-5,32,,ADP 12057 gmr1114C
Misc : wg2147407,,ical22560
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Dec 01 08:32:25 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:10:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	178	0.00
33	T	1,4-Dioxane	0.546	0.521	4.6	184	0.00
34	T	n-Decane	1.602	1.658	-3.5	185	0.00
86	I	IS3_Acenaphthene-d10	1.000	1.000	0.0	147	0.00
87	T	Atrazine	0.463	0.495	-6.9	155	0.00
100	I	IS3_Phenanthrene-d10	1.000	1.000	0.0	147	0.00
101	T	n-Octadecane	0.496	0.515	-3.8	154	0.00
102	T	Parathion	0.106	0.135	-27.4#	200	0.00
103	T	3,3'-Dimethylbenzidine	0.737	0.760	-3.1	145	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\251129RVTb\
Data File : ADP1129.D
Acq On : 29 Nov 2025 11:37 am
Operator : SV112:smz
Sample : wg2147407-5,32,,ADP 12057 gmr1114C
Misc : wg2147407,,ical22560
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Dec 01 08:32:25 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:10:21 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.734	152	31322	4.000	ug/ml	0.00
86) IS3_Acenaphthene-d10	6.687	164	69026	4.000	ug/ml	0.00
100) IS3_Phenanthrene-d10	8.093	188	161689	4.000	ug/ml	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	0.958	88	20390	4.768	ug/ml#	64
34) n-Decane	3.658	57	64900	5.174	ug/ml#	92
87) Atrazine	7.934	200	42752	5.352	ug/ml	95
101) n-Octadecane	8.152	57	104013	5.186	ug/ml	96
102) Parathion	8.916	109	27235	6.333	ug/ml	91
103) 3,3'-Dimethylbenzidine	10.140	212	153580	5.156	ug/ml	98

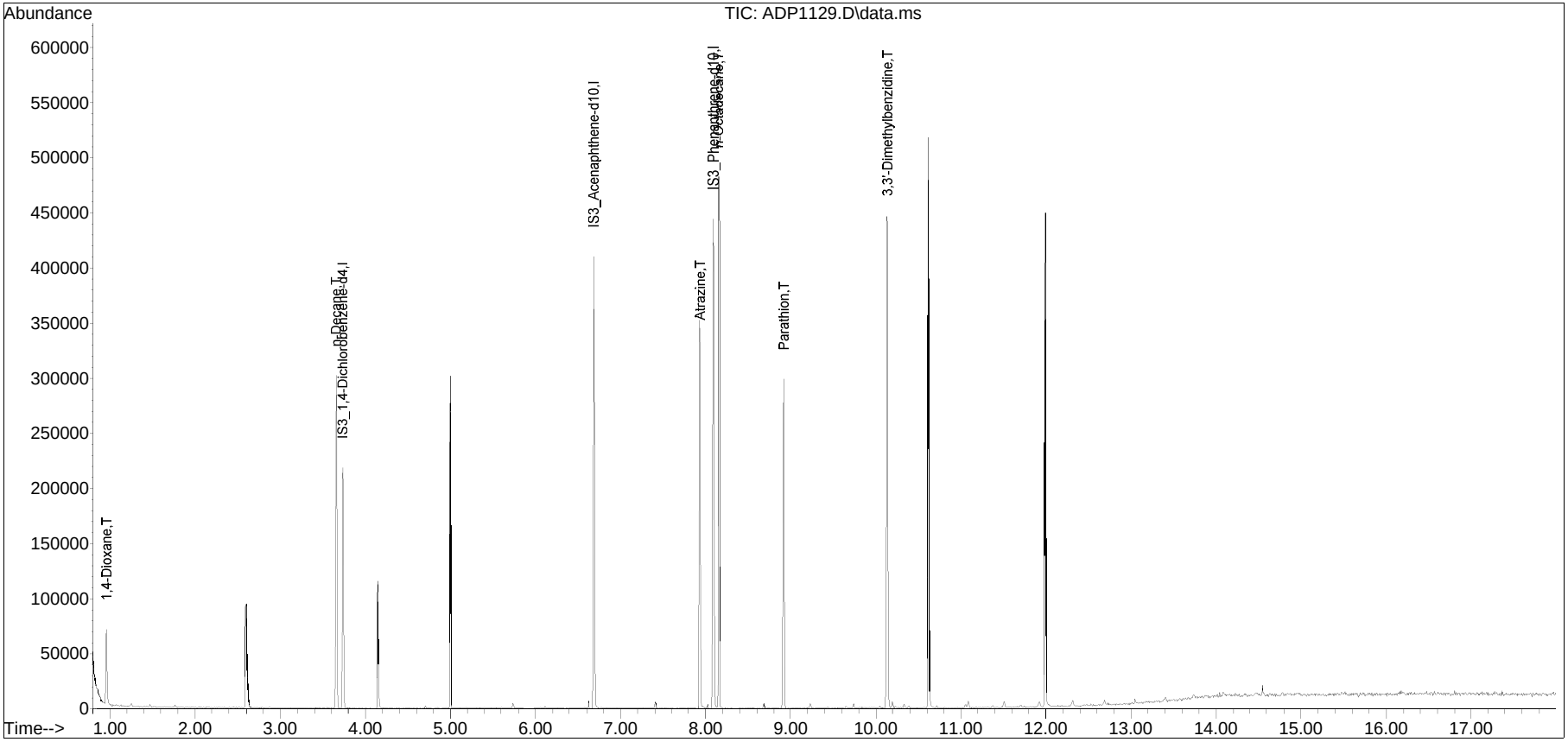
(#) = qualifier out of range (m) = manual integration (+) = signals summed

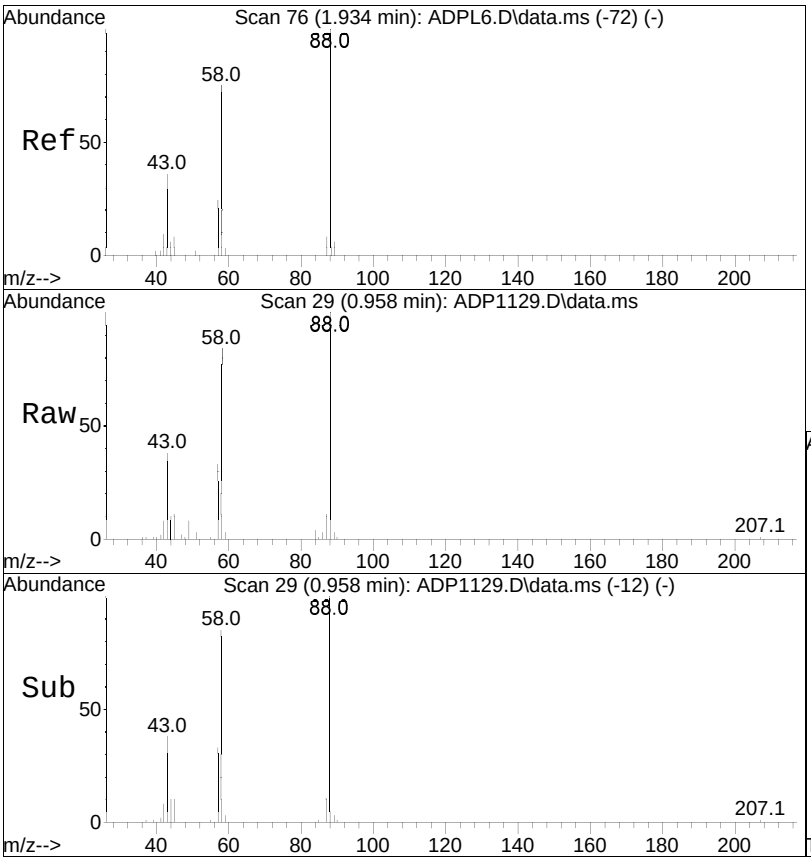
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\251129RVTb\
Data File : ADP1129.D
Acq On : 29 Nov 2025 11:37 am
Operator : SV112:smz
Sample : wg2147407-5,32,,ADP 12057 gmr1114C
Misc : wg2147407,,ical22560
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Dec 01 08:32:25 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:10:21 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

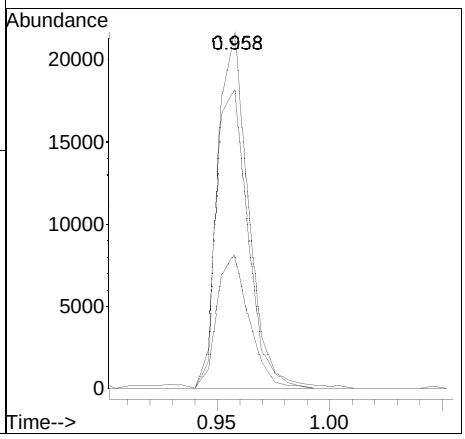


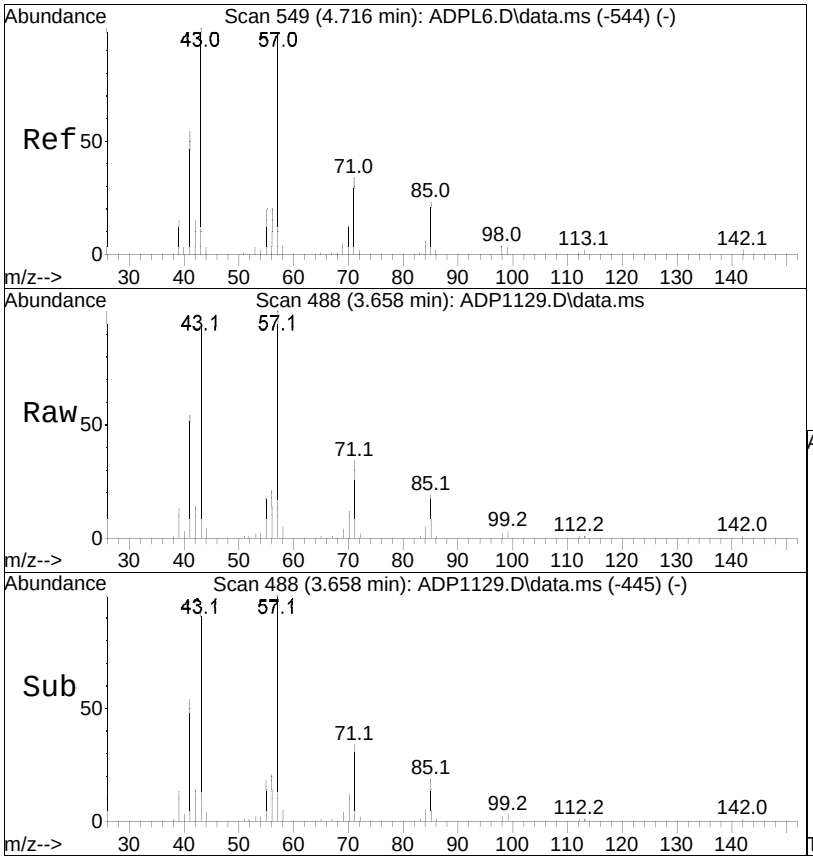


#33
1,4-Dioxane
Concen: 4.77 ug/ml
RT: 0.958 min Scan# 29
Delta R.T. 0.000 min
Lab File: ADP1129.D
Acq: 29 Nov 2025 11:37 am

Tgt Ion: 88 Resp: 20390

Ion	Ratio	Lower	Upper
88	100		
58	87.6	44.8	67.2#
43	39.8	22.4	33.6#

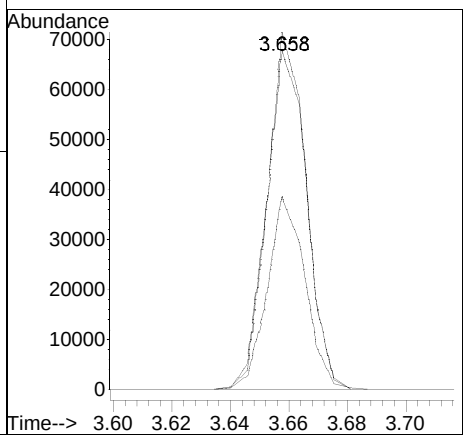


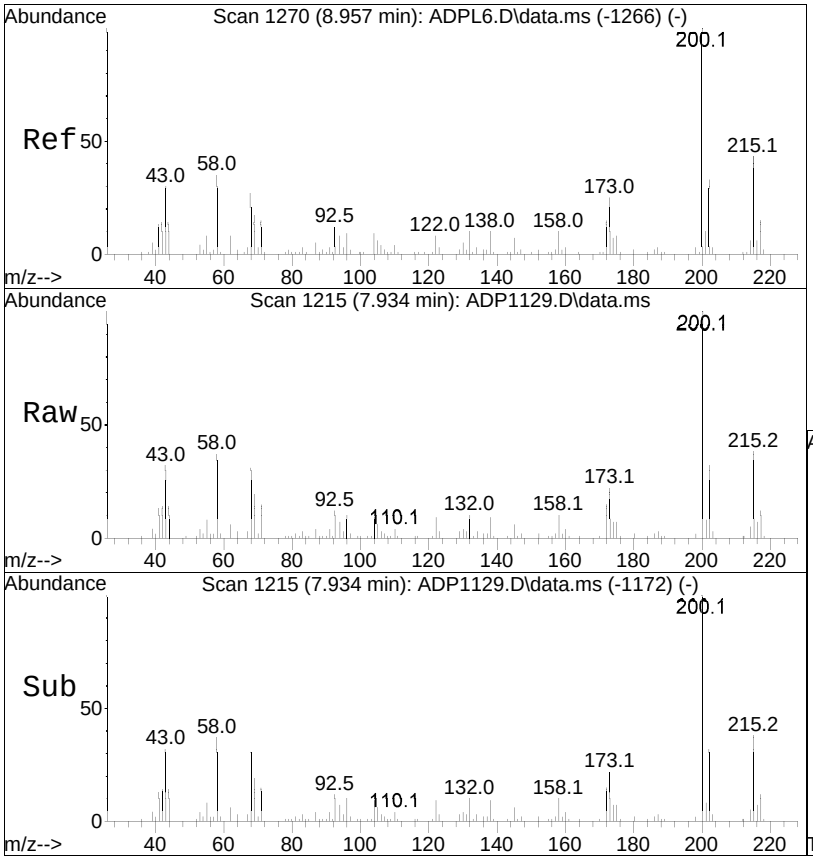


#34
n-Decane
Concen: 5.17 ug/ml
RT: 3.658 min Scan# 488
Delta R.T. 0.000 min
Lab File: ADP1129.D
Acq: 29 Nov 2025 11:37 am

Tgt Ion: 57 Resp: 64900

Ion	Ratio	Lower	Upper
57	100		
43	98.7	75.4	113.2
41	53.2	35.0	52.6#

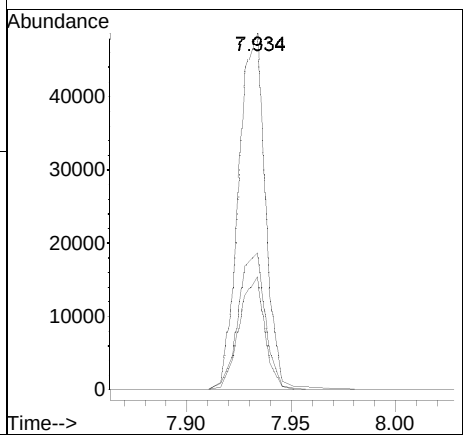


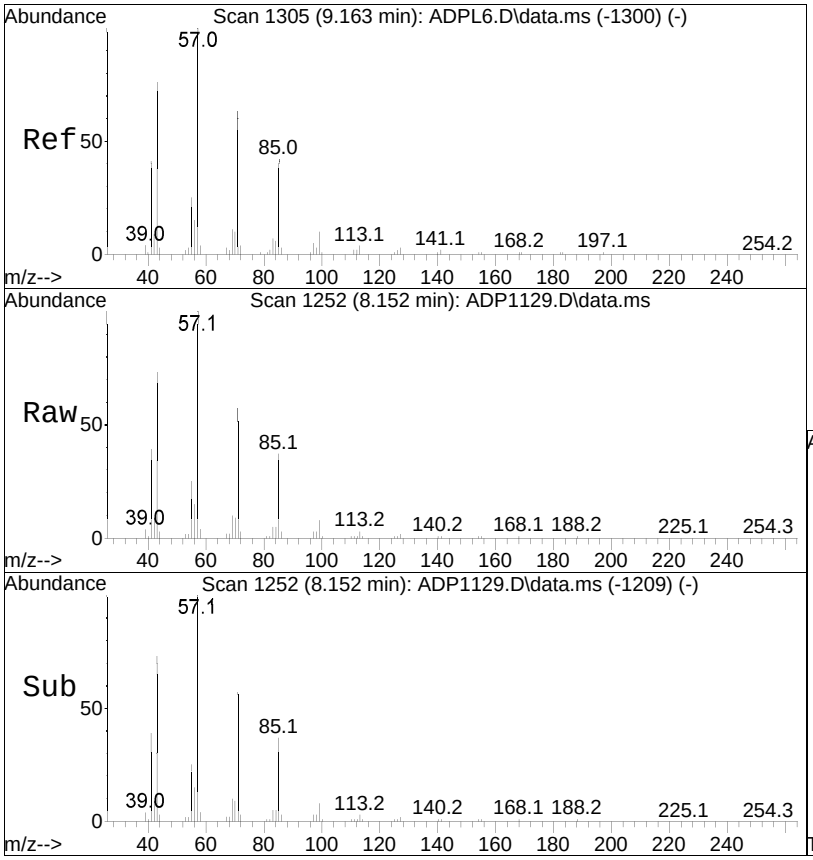


#87
Atrazine
Concen: 5.35 ug/ml
RT: 7.934 min Scan# 1215
Delta R.T. 0.000 min
Lab File: ADP1129.D
Acq: 29 Nov 2025 11:37 am

Tgt Ion:200 Resp: 42752

Ion	Ratio	Lower	Upper
200	100		
202	30.3	25.0	37.6
215	38.7	34.5	51.7

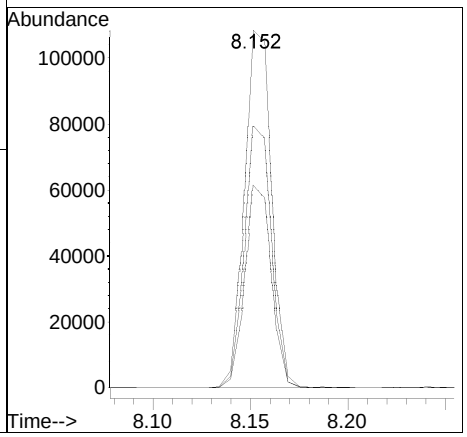


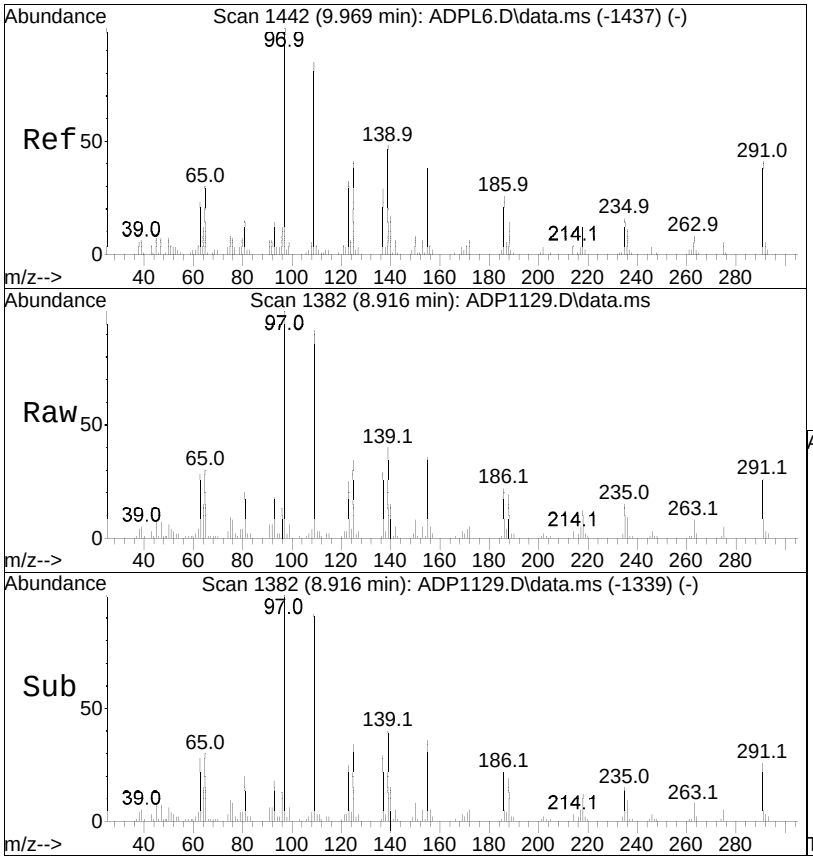


#101
n-Octadecane
Concen: 5.19 ug/ml
RT: 8.152 min Scan# 1252
Delta R.T. 0.000 min
Lab File: ADP1129.D
Acq: 29 Nov 2025 11:37 am

Tgt Ion: 57 Resp: 104013

Ion	Ratio	Lower	Upper
57	100		
43	72.5	54.3	81.5
71	55.5	45.1	67.7

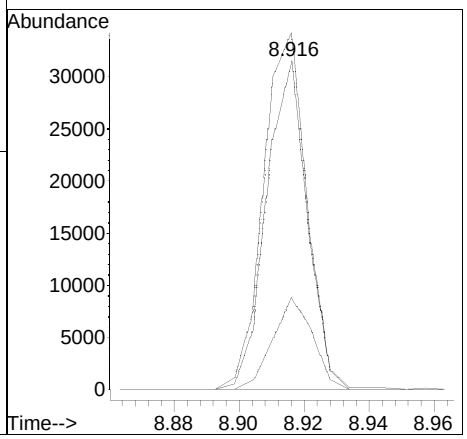


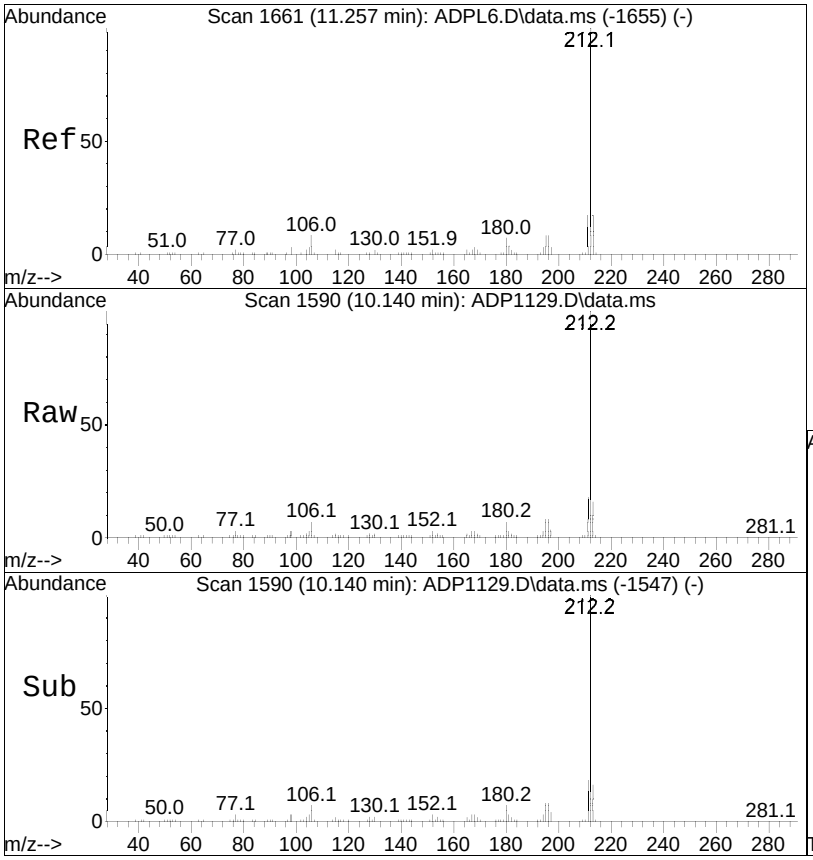


#102
Parathion
Concen: 6.33 ug/ml
RT: 8.916 min Scan# 1382
Delta R.T. 0.000 min
Lab File: ADP1129.D
Acq: 29 Nov 2025 11:37 am

Tgt Ion:109 Resp: 27235

Ion	Ratio	Lower	Upper
109	100		
97	116.1	85.4	128.2
291	27.5	25.4	38.2

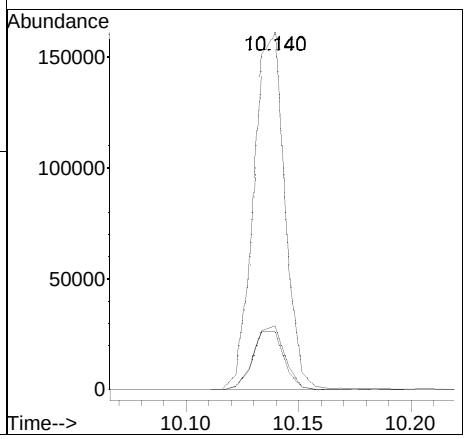




#103
3,3'-Dimethylbenzidine
Concen: 5.16 ug/ml
RT: 10.140 min Scan# 1590
Delta R.T. 0.000 min
Lab File: ADP1129.D
Acq: 29 Nov 2025 11:37 am

Tgt Ion:212 Resp: 153580

Ion	Ratio	Lower	Upper
212	100		
211	18.0	13.3	19.9
213	16.7	13.4	20.2



Manual Integration Report

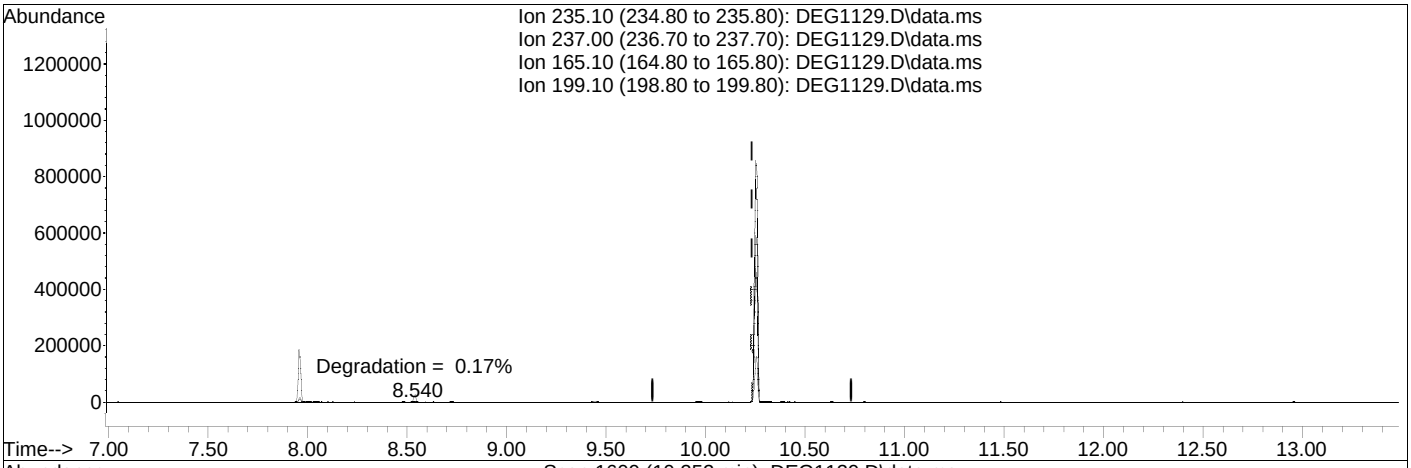
Data Path	: I:\8270\SV112\251129RVTb\	QMethod	: FS250817SV112RVT.m
Data File	: ADP1129.D	Operator	: SV112:smz
Date Inj'd	: 11/29/2025 11:37 am	Instrument	: SV112
Sample	: wg2147407-5,32,,ADP 12057	Quant Date	: 11/29/2025 12:10 pm

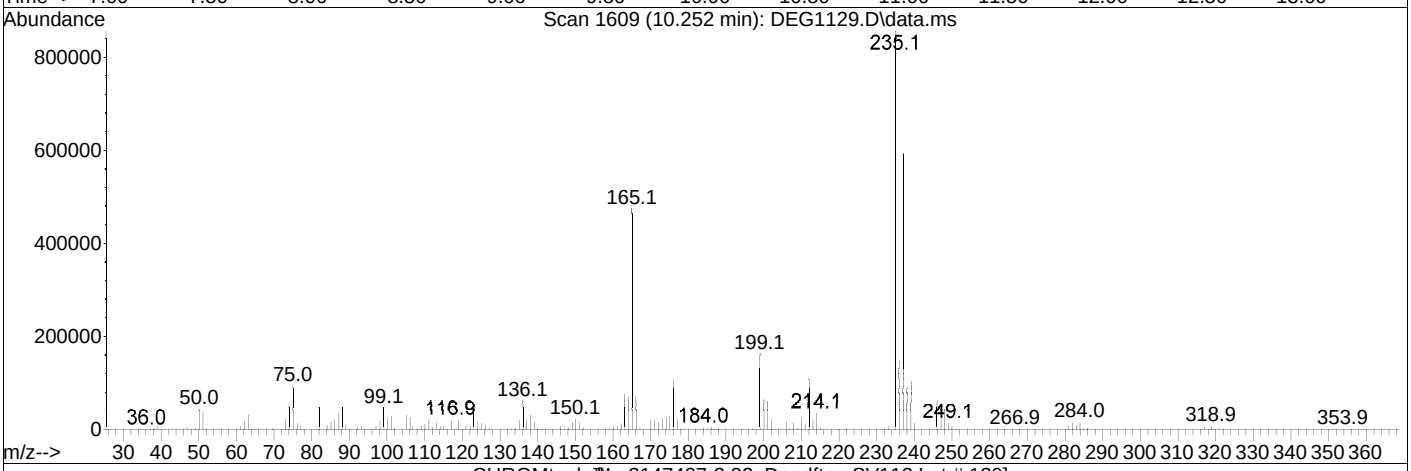
There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\251129RVTb\
Data File : DEG1129.D
Acq On : 29 Nov 2025 10:29 am
Operator : SV112:smz
Sample : wg2147407-2,32,,Degdftpp SV112 Lot # 120
Misc : wg2147407,,ical22560
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Dec 01 08:35:35 2025
Quant Method : I:\8270\SV112\251129RVTb\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Feb 26 15:45:52 2025
Response via : Initial Calibration





CHROMtools [wg2147407-2,32,,Degdftpp SV112 Lot # 120]

(6) DDT (T)

10.252min (+ 0.018) 0.00

response 868057

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	71.30	67.55
165.10	47.10	52.19

Duplicate Retention Times

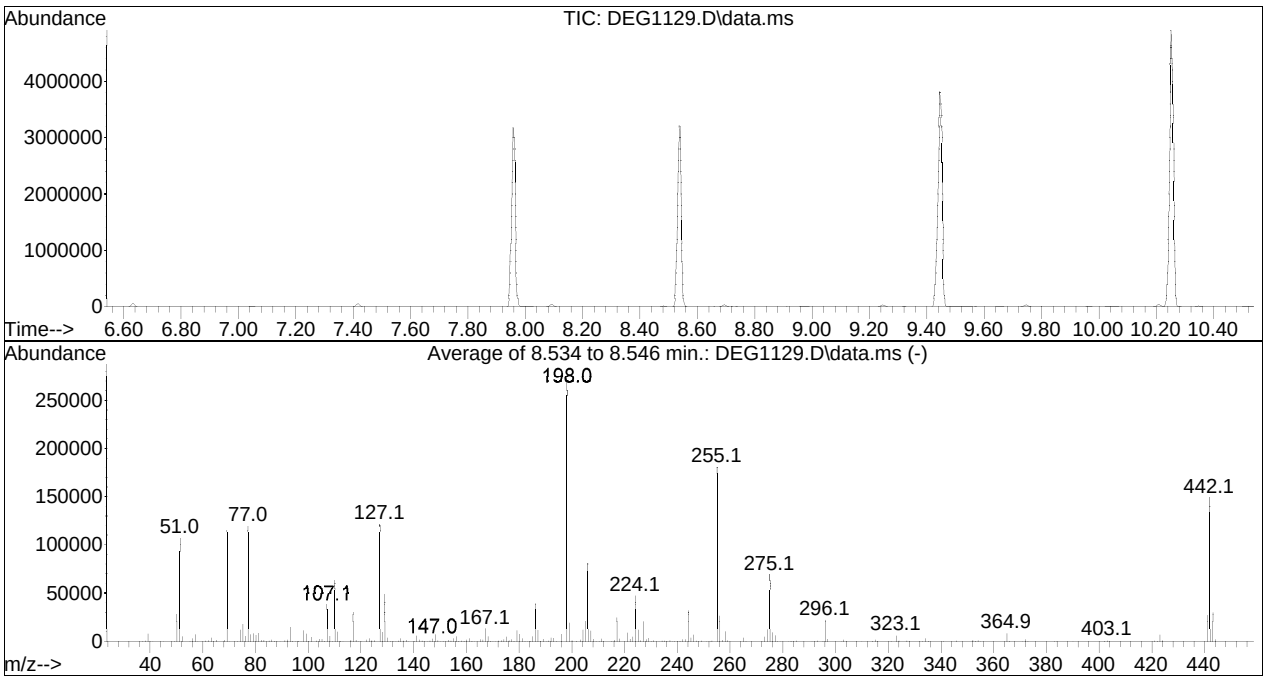
(4) DDE 246.00

(5) DDD 235.00

Data Path : I:\8270\SV112\251129RVTb\
Data File : DEG1129.D
Acq On : 29 Nov 2025 10:29 am
Operator : SV112:gmr
Sample : WG2147407-1,32,,Degdftpp SV112 Lot # 12051
Misc : WG2147407,,ical22560
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Sat Nov 29 12:10:19 2025



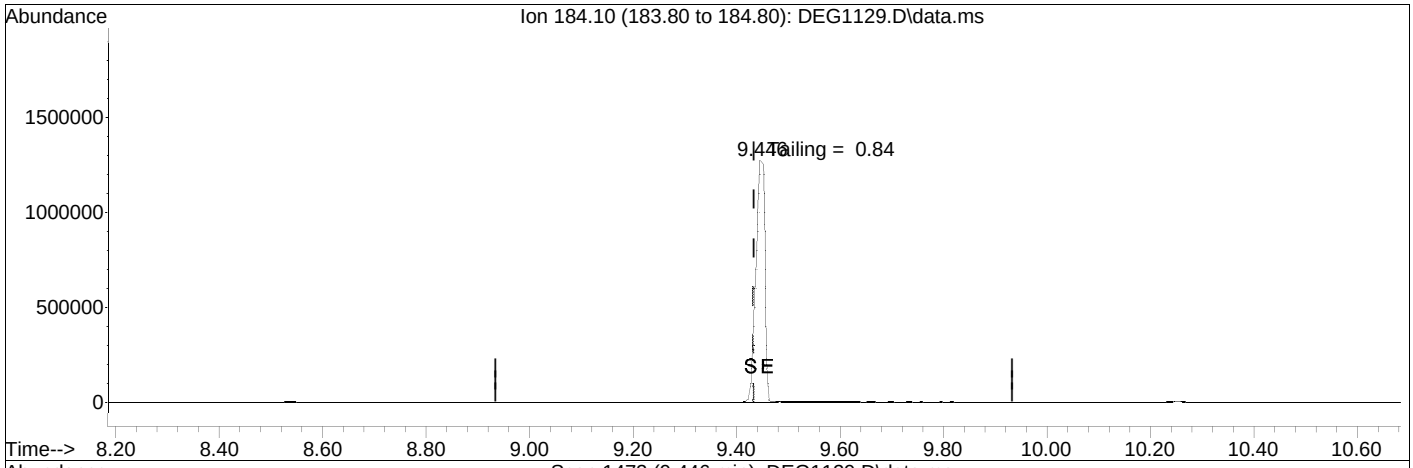
Spectrum Information: Average of 8.534 to 8.546 min.

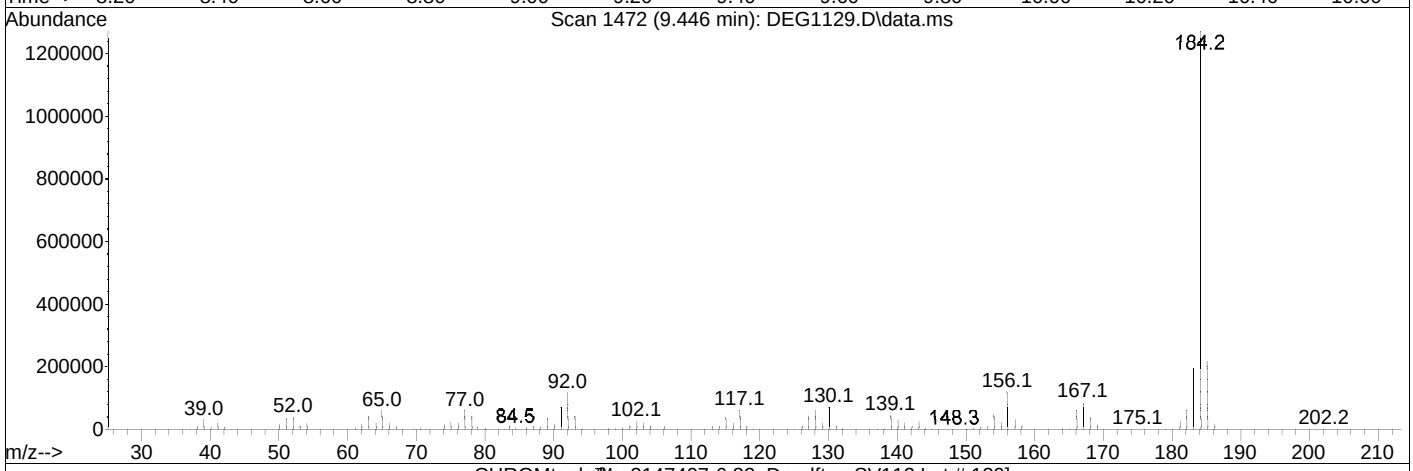
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.1	106776	PASS
68	69	0.00	2	1.8	2076	PASS
69	69	100	100	100.0	114523	PASS
70	69	0.00	2	0.5	521	PASS
127	198	10	80	44.3	121152	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	273421	PASS
199	198	5	9	6.8	18472	PASS
275	198	10	60	25.2	68976	PASS
365	198	1	100	3.0	8330	PASS
441	442	0.01	24	17.5	26067	PASS
442	198	50	100	54.4	148704	PASS
443	442	15	24	19.7	29275	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\251129RVTb\
Data File : DEG1129.D
Acq On : 29 Nov 2025 10:29 am
Operator : SV112:smz
Sample : wg2147407-6,32,,Degdftpp SV112 Lot # 120
Misc : wg2147407,,ical22560
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Dec 01 08:35:35 2025
Quant Method : I:\8270\SV112\251129RVTb\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Feb 26 15:45:52 2025
Response via : Initial Calibration





CHROMtools [wg2147407-6,32,,Degdftpp SV112 Lot # 120]

(3) Benzidine (T)

9.446min (+ 0.012) 0.00

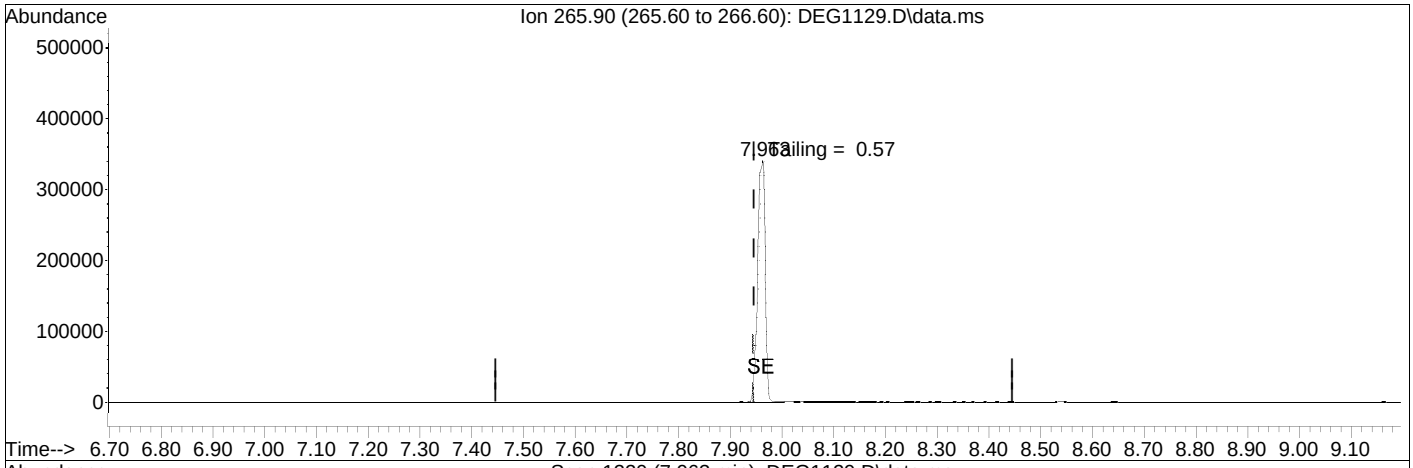
response 1447938

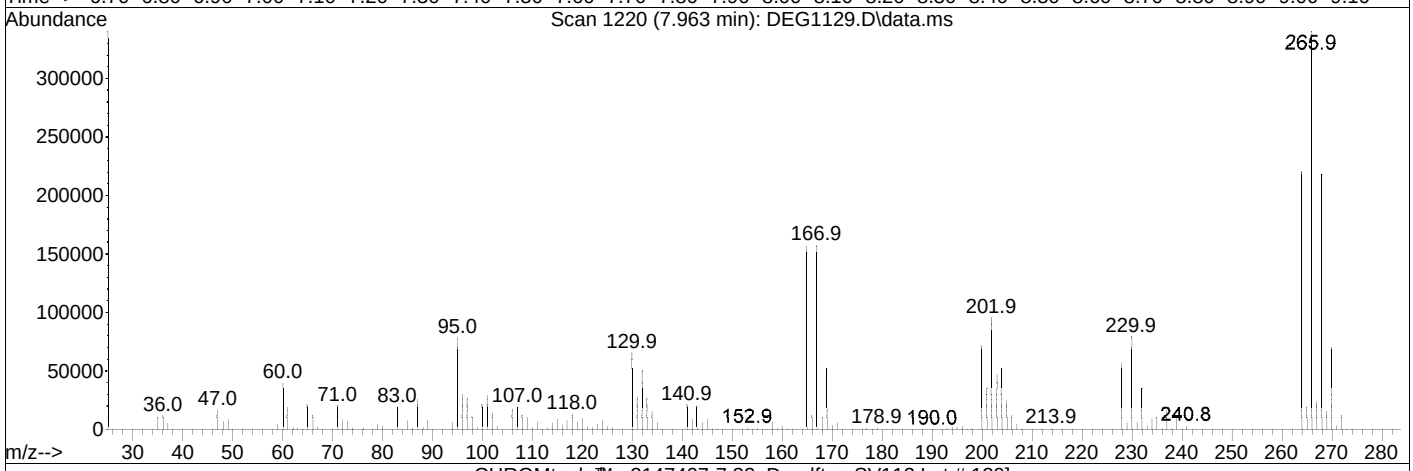
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\251129RVTb\
Data File : DEG1129.D
Acq On : 29 Nov 2025 10:29 am
Operator : SV112:smz
Sample : wg2147407-7,32,,Degdftpp SV112 Lot # 120
Misc : wg2147407,,ical22560
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Dec 01 08:35:35 2025
Quant Method : I:\8270\SV112\251129RVTb\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Feb 26 15:45:52 2025
Response via : Initial Calibration





CHROMtools Tag [wg2147407-7,32,,Degdftpp SV112 Lot # 120]

(1) Pentachlorophenol (T)

7.963min (+ 0.017) 0.00

response 315726

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC		**Lab Number**	: L2575576	
Project Name	: 1000 TURK HILL RD GWS		**Project Number**	: 3113.0001Y000	
Instrument ID	: SV112		**Calibration Date**	: 11/29/25 10:51	
Lab File ID	: ABN1129		**Init. Calib. Date(s)**	: 08/17/25	08/18/25
Sample No	: WG2147407-3		**Init. Calib. Times**	: 18:26	06:05
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	174	0
n-Nitrosodimethylamine	0.792	0.91	-	-14.9	20	179	0
Pyridine	1.349	0.945	-	29.9*	20	118	0
2-Fluorophenol	1.105	1.114	-	-0.8	20	156	0
Aniline	5	4.423	-	11.5	20	154	0
2-Chlorophenol	1.287	1.181	-	8.2	20	139	0
Phenol-d6	1.428	1.432	-	-0.3	20	152	0
Phenol	1.581	1.658	-	-4.9	20	163	0
Bis(2-chloroethyl)ether	1.319	1.346	-	-2	20	163	0
1,3-Dichlorobenzene	1.573	1.393	-	11.4	20	144	0
1,4-Dichlorobenzene	1.611	1.375	-	14.6	20	137	0
1,2-Dichlorobenzene	1.557	1.35	-	13.3	20	139	0
Benzyl alcohol	1.122	1.296	-	-15.5	20	182	0
Bis(2-chloroisopropyl)ethe	2.148	2.089	-	2.7	20	155	0
2-Methylphenol	1.155	1.087	-	5.9	20	144	0
Hexachloroethane	0.596	0.64	-	-7.4	20	173	0
n-Nitrosodi-n-propylamine	1.032	1.092	-	-5.8	20	165	0
3-Methylphenol/4-Methylphe	1.27	1.205	-	5.1	20	148	0
Nitrobenzene-d5	1.354	1.592	-	-17.6	20	181	0
Nitrobenzene	1.405	1.66	-	-18.1	20	184	0
Isophorone	2.849	2.852	-	-0.1	20	154	0
2-Nitrophenol	5	4.276	-	14.5	20	158	0
2,4-Dimethylphenol	1.51	1.442	-	4.5	20	152	0
Bis(2-chloroethoxy)methane	1.807	1.719	-	4.9	20	148	0
2,4-Dichlorophenol	1.335	1.181	-	11.5	20	140	0
1,2,4-Trichlorobenzene	1.539	1.358	-	11.8	20	143	0
IS1_Naphthalene-d8	1	1	-	0	20	148	0
Naphthalene	1.063	0.957	-	10	20	124	0
Benzoic Acid	5	5.307	-	-6.1	20	169	0
4-Chloroaniline	0.144	0.182	-	-26.4*	20	170	0
Hexachlorobutadiene	0.253	0.298	-	-17.8	20	163	0
p-Chloro-m-cresol	0.329	0.371	-	-12.8	20	150	0
2-Methylnaphthalene	0.674	0.633	-	6.1	20	128	0
1-Methylnaphthalene	0.269	0.303	-	-12.6	20	158	0
Hexachlorocyclopentadiene	5	5.543	-	-10.9	20	168	0
2,4,6-Trichlorophenol	5	4.954	-	0.9	20	152	0
2,4,5-Trichlorophenol	5	4.946	-	1.1	20	141	0
2-Fluorobiphenyl	0.927	0.86	-	7.2	20	123	0
2-Chloronaphthalene	0.786	0.754	-	4.1	20	129	0
2-Nitroaniline	5	4.487	-	10.3	20	143	0
1,4-Dinitrobenzene	0.128	0.121	-	5.5	20	147	0
1,3-Dinitrobenzene	0.145	0.133	-	8.3	20	141	0
Dimethyl phthalate	0.996	0.966	-	3	20	125	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC		Lab Number	: L2575576	
Project Name	: 1000 TURK HILL RD GWS		Project Number	: 3113.0001Y000	
Instrument ID	: SV112		Calibration Date	: 11/29/25 10:51	
Lab File ID	: ABN1129		Init. Calib. Date(s)	: 08/17/25	08/18/25
Sample No	: WG2147407-3		Init. Calib. Times	: 18:26	06:05
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.282	1.166	-	9	20	115	0
2,6-Dinitrotoluene	5	4.642	-	7.2	20	141	0
1,2-Dinitrobenzene	0.094	0.087	-	7.4	20	139	0
IS1_Acenaphthene-d10	1	1	-	0	20	142	0
3-Nitroaniline	5	4.509	-	9.8	20	130	0
Acenaphthene	1.102	0.999	-	9.3	20	120	0
2,4-Dinitrophenol	5	5.048	-	-1	20	154	0
Dibenzofuran	1.833	1.736	-	5.3	20	122	0
2,4-Dinitrotoluene	5	4.916	-	1.7	20	143	0
4-Nitrophenol	5	6.215	-	-24.3*	20	172	0
2,3,5,6-Tetrachlorophenol	5	5.048	-	-1	20	146	0
2,3,4,6-Tetrachlorophenol	5	4.966	-	0.7	20	138	0
Diethyl phthalate	1.565	1.583	-	-1.2	20	127	0
Fluorene	1.489	1.352	-	9.2	20	117	0
4-Chlorophenyl phenyl ethe	0.783	0.739	-	5.6	20	127	0
4-Nitroaniline	5	4.465	-	10.7	20	126	0
4,6-Dinitro-o-cresol	5	5.297	-	-5.9	20	159	0
NDPA/DPA	1.246	1.152	-	7.5	20	118	0
Azobenzene	1.371	1.667	-	-21.6*	20	148	0
2,4,6-Tribromophenol	0.254	0.209	-	17.7	20	108	0
4-Bromophenyl phenyl ether	0.512	0.5	-	2.3	20	127	0
Hexachlorobenzene	0.607	0.531	-	12.5	20	118	0
Pentachlorophenol	5	4.53	-	9.4	20	133	0
IS1_Phenanthrene-d10	1	1	-	0	20	150	0
Phenanthrene	1.099	0.96	-	12.6	20	121	0
Anthracene	1.091	0.981	-	10.1	20	120	0
Carbazole	0.993	0.889	-	10.5	20	118	0
Di-n-butylphthalate	1.164	1.173	-	-0.8	20	129	0
Fluoranthene	1.329	1.25	-	5.9	20	125	0
Benzidine	5	4.073	-	18.5	20	115	0
Pyrene	1.367	1.264	-	7.5	20	121	0
4-Terphenyl-d14	1.068	0.909	-	14.9	20	115	0
Butyl benzyl phthalate	5	4.767	-	4.7	20	144	0
IS1_Chrysene-d12	1	1	-	0	20	142	0
Benzo(a)anthracene	1.308	1.219	-	6.8	20	122	0
3,3'-Dichlorobenzidine	0.473	0.421	-	11	20	109	0
Chrysene	1.216	1.106	-	9	20	116	0
Bis(2-ethylhexyl)phthalate	5	4.745	-	5.1	20	132	0
Di-n-octylphthalate	5	4.505	-	9.9	20	135	0
Benzo(b)fluoranthene	1.283	1.084	-	15.5	20	112	0
Benzo(k)fluoranthene	1.251	1.113	-	11	20	108	0
Benzo(a)pyrene	1.188	1.053	-	11.4	20	111	0
IS1_Perylene-d12	1	1	-	0	20	133	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC		**Lab Number**	: L2575576	
Project Name	: 1000 TURK HILL RD GWS		**Project Number**	: 3113.0001Y000	
Instrument ID	: SV112		**Calibration Date**	: 11/29/25 10:51	
Lab File ID	: ABN1129		**Init. Calib. Date(s)**	: 08/17/25	08/18/25
Sample No	: WG2147407-3		**Init. Calib. Times**	: 18:26	06:05
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.105	0.981	-	11.2	20	105	0
Dibenzo(a,h)anthracene	1.064	0.953	-	10.4	20	103	0
Benzo(ghi)perylene	1.105	0.98	-	11.3	20	105	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC		**Lab Number**	: L2575576	
Project Name	: 1000 TURK HILL RD GWS		**Project Number**	: 3113.0001Y000	
Instrument ID	: SV112		**Calibration Date**	: 11/29/25 11:14	
Lab File ID	: AP91129		**Init. Calib. Date(s)**	: 08/17/25	08/18/25
Sample No	: WG2147407-4		**Init. Calib. Times**	: 18:26	06:05
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	142	0
Benzaldehyde	0.597	0.682	-	-14.2	20	172	0
Acetophenone	1.98	1.928	-	2.6	20	145	0
m-Toluidine	1.191	1.218	-	-2.3	20	145	0
2-Chloroaniline	1.688	1.498	-	11.3	20	129	0
IS2_Naphthalene-d8	1	1	-	0	20	126	0
a-Terpineol	0.298	0.379	-	-27.2*	20	165	0
3-Chloroaniline	0.138	0.183	-	-32.6*	20	170	0
2,6-Dichlorophenol	0.282	0.324	-	-14.9	20	142	0
1-chloro-2-nitrobenzene	0.137	0.174	-	-27*	20	162	0
Caprolactam	0.177	0.207	-	-16.9	20	150	0
1,2,4,5-Tetrachlorobenzene	0.443	0.488	-	-10.2	20	145	0
Biphenyl	0.978	0.88	-	10	20	119	0
IS2_Acenaphthene-d10	1	1	-	0	20	124	0
Dichloran	0.179	0.233	-	-30.2*	20	173	0
Pentachloronitrobenzene	0.205	0.275	-	-34.1*	20	177	0
IS2_Phenanthrene-d10	1	1	-	0	20	131	0
Diphenamid	0.494	0.496	-	-0.4	20	134	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576		
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000		
Instrument ID	: SV112	**Calibration Date**	: 11/29/25 11:37		
Lab File ID	: ADP1129	**Init. Calib. Date(s)**	: 08/17/25	08/18/25	
Sample No	: WG2147407-5	**Init. Calib. Times**	: 18:26	06:05	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	178	0
1,4-Dioxane	0.546	0.521	-	4.6	20	184	0
n-Decane	1.602	1.658	-	-3.5	20	185	0
IS3_Acenaphthene-d10	1	1	-	0	20	147	0
Atrazine	0.463	0.495	-	-6.9	20	155	0
IS3_Phenanthrene-d10	1	1	-	0	20	147	0
n-Octadecane	0.496	0.515	-	-3.8	20	154	0
Parathion	0.106	0.135	-	-27.4*	20	200	0
3,3'-Dimethylbenzidine	0.737	0.76	-	-3.1	20	145	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC		Lab Number	: L2575576	
Project Name	: 1000 TURK HILL RD GWS		Project Number	: 3113.0001Y000	
Instrument ID	: SV106		Calibration Date	: 12/02/25 23:11	
Lab File ID	: ABN1202		Init. Calib. Date(s)	: 08/27/25	08/28/25
Sample No	: WG2148721-3		Init. Calib. Times	: 20:12	06:19
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	110	0
n-Nitrosodimethylamine	0.66	0.763	-	-15.6	20	125	0
Pyridine	1.131	1.226	-	-8.4	20	114	0
2-Fluorophenol	1.106	1.19	-	-7.6	20	114	0
Aniline	1.738	1.863	-	-7.2	20	112	0
2-Chlorophenol	1.332	1.341	-	-0.7	20	107	0
Phenol-d6	1.318	1.413	-	-7.2	20	115	0
Phenol	1.441	1.556	-	-8	20	117	0
Bis(2-chloroethyl)ether	1.143	1.217	-	-6.5	20	116	0
1,3-Dichlorobenzene	1.598	1.539	-	3.7	20	105	0
1,4-Dichlorobenzene	1.634	1.561	-	4.5	20	105	0
1,2-Dichlorobenzene	1.572	1.485	-	5.5	20	105	0
Benzyl alcohol	0.964	1.094	-	-13.5	20	123	0
Bis(2-chloroisopropyl)ethe	1.867	1.808	-	3.2	20	106	0
2-Methylphenol	1.104	1.13	-	-2.4	20	110	0
Hexachloroethane	0.602	0.673	-	-11.8	20	119	0
n-Nitrosodi-n-propylamine	0.815	0.95	-	-16.6	20	124	0
3-Methylphenol/4-Methylphe	1.207	1.203	-	0.3	20	108	0
Nitrobenzene-d5	1.226	1.41	-	-15	20	123	0
Nitrobenzene	1.26	1.427	-	-13.3	20	120	0
Isophorone	2.296	2.424	-	-5.6	20	113	0
2-Nitrophenol	0.64	0.706	-	-10.3	20	117	0
2,4-Dimethylphenol	1.271	1.232	-	3.1	20	101	0
Bis(2-chloroethoxy)methane	1.546	1.63	-	-5.4	20	115	0
2,4-Dichlorophenol	1.17	1.187	-	-1.5	20	106	0
1,2,4-Trichlorobenzene	1.374	1.371	-	0.2	20	110	0
IS1_Naphthalene-d8	1	1	-	0	20	104	0
Naphthalene	1.082	0.998	-	7.8	20	97	0
Benzoic Acid	5	4.693	-	6.1	20	114	0
4-Chloroaniline	0.117	0.136	-	-16.2	20	115	0
Hexachlorobutadiene	0.2	0.228	-	-14	20	118	0
p-Chloro-m-cresol	0.284	0.293	-	-3.2	20	105	0
2-Methylnaphthalene	0.641	0.615	-	4.1	20	101	0
1-Methylnaphthalene	0.227	0.246	-	-8.4	20	114	0
Hexachlorocyclopentadiene	0.254	0.292	-	-15	20	118	0
2,4,6-Trichlorophenol	0.213	0.239	-	-12.2	20	109	0
2,4,5-Trichlorophenol	0.239	0.262	-	-9.6	20	108	0
2-Fluorobiphenyl	0.821	0.8	-	2.6	20	103	0
2-Chloronaphthalene	0.727	0.691	-	5	20	100	0
2-Nitroaniline	0.206	0.204	-	1	20	95	0
1,4-Dinitrobenzene	0.097	0.098	-	-1	20	100	0
1,3-Dinitrobenzene	0.112	0.108	-	3.6	20	93	0
Dimethyl phthalate	0.857	0.78	-	9	20	94	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC		Lab Number	: L2575576	
Project Name	: 1000 TURK HILL RD GWS		Project Number	: 3113.0001Y000	
Instrument ID	: SV106		Calibration Date	: 12/02/25 23:11	
Lab File ID	: ABN1202		Init. Calib. Date(s)	: 08/27/25	08/28/25
Sample No	: WG2148721-3		Init. Calib. Times	: 20:12	06:19
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.117	-	4.5	20	96	0
2,6-Dinitrotoluene	0.167	0.17	-	-1.8	20	101	0
1,2-Dinitrobenzene	0.073	0.074	-	-1.4	20	97	0
IS1_Acenaphthene-d10	1	1	-	0	20	104	0
3-Nitroaniline	0.342	0.306	-	10.5	20	87	0
Acenaphthene	1.136	1.065	-	6.2	20	99	0
2,4-Dinitrophenol	0.166	0.179	-	-7.8	20	118	0
Dibenzofuran	1.844	1.643	-	10.9	20	94	0
2,4-Dinitrotoluene	0.385	0.38	-	1.3	20	93	0
4-Nitrophenol	0.238	0.274	-	-15.1	20	114	0
2,3,5,6-Tetrachlorophenol	0.34	0.374	-	-10	20	106	0
2,3,4,6-Tetrachlorophenol	0.33	0.363	-	-10	20	103	0
Diethyl phthalate	1.516	1.369	-	9.7	20	93	0
Fluorene	1.447	1.318	-	8.9	20	96	0
4-Chlorophenyl phenyl ethe	0.688	0.643	-	6.5	20	98	0
4-Nitroaniline	0.337	0.286	-	15.1	20	81	0
4,6-Dinitro-o-cresol	0.214	0.23	-	-7.5	20	109	0
NDPA/DPA	1.209	1.095	-	9.4	20	92	0
Azobenzene	1.272	1.299	-	-2.1	20	103	0
2,4,6-Tribromophenol	0.194	0.208	-	-7.2	20	108	0
4-Bromophenyl phenyl ether	0.424	0.394	-	7.1	20	99	0
Hexachlorobenzene	0.475	0.444	-	6.5	20	101	0
Pentachlorophenol	0.28	0.26	-	7.1	20	98	0
IS1_Phenanthrene-d10	1	1	-	0	20	95	0
Phenanthrene	1.202	1.073	-	10.7	20	87	0
Anthracene	1.178	1.075	-	8.7	20	87	0
Carbazole	1.081	0.95	-	12.1	20	81	0
Di-n-butylphthalate	1.266	1.183	-	6.6	20	84	0
Fluoranthene	1.296	1.104	-	14.8	20	80	0
Benzidine	0.831	0.582	-	30*	20	66	0
Pyrene	1.383	1.159	-	16.2	20	80	0
4-Terphenyl-d14	0.982	0.783	-	20.3*	20	78	0
Butyl benzyl phthalate	0.529	0.438	-	17.2	20	74	0
IS1_Chrysene-d12	1	1	-	0	20	70	0
Benzo(a)anthracene	1.349	1.357	-	-0.6	20	72	0
3,3'-Dichlorobenzidine	0.464	0.483	-	-4.1	20	69	0
Chrysene	1.336	1.259	-	5.8	20	69	0
Bis(2-ethylhexyl)phthalate	0.846	0.852	-	-0.7	20	66	0
Di-n-octylphthalate	1.419	1.309	-	7.8	20	64	0
Benzo(b)fluoranthene	1.278	1.215	-	4.9	20	69	0
Benzo(k)fluoranthene	1.303	1.285	-	1.4	20	68	0
Benzo(a)pyrene	1.197	1.16	-	3.1	20	67	0
IS1_Perylene-d12	1	1	-	0	20	69	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576		
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000		
Instrument ID	: SV106	**Calibration Date**	: 12/02/25 23:11		
Lab File ID	: ABN1202	**Init. Calib. Date(s)**	: 08/27/25	08/28/25	
Sample No	: WG2148721-3	**Init. Calib. Times**	: 20:12	06:19	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.141	1.117	-	2.1	20	67	0
Dibenzo(a,h)anthracene	1.181	1.101	-	6.8	20	64	0
Benzo(ghi)perylene	1.164	1.131	-	2.8	20	68	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC		**Lab Number**	: L2575576	
Project Name	: 1000 TURK HILL RD GWS		**Project Number**	: 3113.0001Y000	
Instrument ID	: SV106		**Calibration Date**	: 12/02/25 23:32	
Lab File ID	: AP91202		**Init. Calib. Date(s)**	: 08/27/25	08/28/25
Sample No	: WG2148721-4		**Init. Calib. Times**	: 20:12	06:19
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	134	0
Benzaldehyde	0.645	0.603	-	6.5	20	128	0
Acetophenone	1.905	1.643	-	13.8	20	118	0
m-Toluidine	1.123	1.161	-	-3.4	20	129	0
2-Chloroaniline	1.724	1.458	-	15.4	20	112	0
IS2_Naphthalene-d8	1	1	-	0	20	125	0
a-Terpineol	0.267	0.263	-	1.5	20	123	0
3-Chloroaniline	0.114	0.122	-	-7	20	125	0
2,6-Dichlorophenol	0.285	0.276	-	3.2	20	119	0
1-chloro-2-nitrobenzene	0.135	0.136	-	-0.7	20	124	0
Caprolactam	0.142	0.13	-	8.5	20	109	0
1,2,4,5-Tetrachlorobenzene	0.373	0.349	-	6.4	20	120	0
Biphenyl	0.931	0.771	-	17.2	20	107	0
IS2_Acenaphthene-d10	1	1	-	0	20	130	0
Dichloran	0.158	0.137	-	13.3	20	110	0
Pentachloronitrobenzene	0.154	0.15	-	2.6	20	118	0
IS2_Phenanthrene-d10	1	1	-	0	20	121	0
Diphenamid	0.487	0.385	-	20.9*	20	90	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC		**Lab Number**	: L2575576	
Project Name	: 1000 TURK HILL RD GWS		**Project Number**	: 3113.0001Y000	
Instrument ID	: SV106		**Calibration Date**	: 12/02/25 23:54	
Lab File ID	: ADP1202		**Init. Calib. Date(s)**	: 08/27/25	08/28/25
Sample No	: WG2148721-5		**Init. Calib. Times**	: 20:12	06:19
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	135	0
1,4-Dioxane	0.477	0.442	-	7.3	20	132	0
n-Decane	1.449	1.267	-	12.6	20	121	0
IS3_Acenaphthene-d10	1	1	-	0	20	132	0
Atrazine	0.372	0.322	-	13.4	20	112	0
IS3_Phenanthrene-d10	1	1	-	0	20	128	0
n-Octadecane	0.48	0.427	-	11	20	112	0
Parathion	5	4.242	-	15.2	20	126	0
3,3'-Dimethylbenzidine	5	3.942	-	21.2*	20	98	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\251202RVT\
Data File : ABN1202.D
Acq On : 2 Dec 2025 11:11 pm
Operator : SV106:smz
Sample : wg2148721-3,32,,ABN RVT CCV Lot # 11823
Misc : wg2148721,,ical22591
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 02 23:34:32 2025
Quant Method : I:\8270\SV106\251202RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 02 23:35:05 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	110	0.00
2	t	n-Nitrosodimethylamine		0.660	0.763	-15.6	125	0.00
3	t	Pyridine		1.131	1.226	-8.4	114	0.00
4	S	2-Fluorophenol		1.106	1.190	-7.6	114	0.00
5	T	Aniline		1.738	1.863	-7.2	112	0.00
6	t	2-Chlorophenol		1.332	1.341	-0.7	107	0.00
7	S	Phenol-d6		1.318	1.413	-7.2	115	0.00
8	T	Phenol		1.441	1.556	-8.0	117	0.00
9	T	Bis(2-chloroethyl)ether		1.143	1.217	-6.5	116	0.00
10	T	1,3-Dichlorobenzene		1.598	1.539	3.7	105	0.00
11	T	1,4-Dichlorobenzene		1.634	1.561	4.5	105	0.00
12	T	1,2-Dichlorobenzene		1.572	1.485	5.5	105	0.00
13	t	Benzyl alcohol		0.964	1.094	-13.5	123	0.00
14	T	Bis(2-chloroisopropyl)ether		1.867	1.808	3.2	106	0.00
15	T	2-Methylphenol		1.104	1.130	-2.4	110	0.00
16	T	Hexachloroethane		0.602	0.673	-11.8	119	0.00
17	T	n-Nitrosodi-n-propylamine		0.815	0.950	-16.6	124	0.00
18	T	3-Methylphenol/4-Methylphen		1.207	1.203	0.3	108	0.00
19	S	Nitrobenzene-d5		1.226	1.410	-15.0	123	0.00
20	T	Nitrobenzene		1.260	1.427	-13.3	120	0.00
21	T	Isophorone		2.296	2.424	-5.6	113	0.00
22	T	2-Nitrophenol		0.640	0.706	-10.3	117	0.00
23	T	2,4-Dimethylphenol		1.271	1.232	3.1	101	0.00
24	T	Bis(2-chloroethoxy)methane		1.546	1.630	-5.4	115	0.00
25	T	2,4-Dichlorophenol		1.170	1.187	-1.5	106	0.00
26	T	1,2,4-Trichlorobenzene		1.374	1.371	0.2	110	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	104	0.00
36	T	Naphthalene		1.082	0.998	7.8	97	0.00
37	T	Benzoic Acid	*	5.000	4.693	6.1	114	0.00
38	T	4-Chloroaniline		0.117	0.136	-16.2	115	0.00
39	T	Hexachlorobutadiene		0.200	0.228	-14.0	118	0.00
40	T	p-Chloro-m-cresol		0.284	0.293	-3.2	105	0.00
41	T	2-Methylnaphthalene		0.641	0.615	4.1	101	0.00
42	T	1-Methylnaphthalene		0.227	0.246	-8.4	114	0.00
43	T	Hexachlorocyclopentadiene		0.254	0.292	-15.0	118	0.00
44	T	2,4,6-Trichlorophenol		0.213	0.239	-12.2	109	0.00
45	T	2,4,5-Trichlorophenol		0.239	0.262	-9.6	108	0.00
46	S	2-Fluorobiphenyl		0.821	0.800	2.6	103	0.00

Data Path : I:\8270\SV106\251202RVT\
Data File : ABN1202.D
Acq On : 2 Dec 2025 11:11 pm
Operator : SV106:smz
Sample : wg2148721-3,32,,ABN RVT CCV Lot # 11823
Misc : wg2148721,,ical22591
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 02 23:34:32 2025
Quant Method : I:\8270\SV106\251202RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 02 23:35:05 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene	0.727	0.691	5.0	100	0.00
48	T	2-Nitroaniline	0.206	0.204	1.0	95	0.00
49	T	1,4-Dinitrobenzene	0.097	0.098	-1.0	100	0.00
50	T	1,3-Dinitrobenzene	0.112	0.108	3.6	93	0.00
51	T	Dimethyl phthalate	0.857	0.780	9.0	94	0.00
52	T	Acenaphthylene	1.170	1.117	4.5	96	0.00
53	T	2,6-Dinitrotoluene	0.167	0.170	-1.8	101	0.00
54	T	1,2-Dinitrobenzene	0.073	0.074	-1.4	97	0.00
63	I	IS1_Acenaphthene-d10	1.000	1.000	0.0	104	0.00
64	T	3-Nitroaniline	0.342	0.306	10.5	87	0.00
65	T	Acenaphthene	1.136	1.065	6.2	99	0.00
66	T	2,4-Dinitrophenol	0.166	0.179	-7.8	118	0.00
67	T	Dibenzofuran	1.844	1.643	10.9	94	0.00
68	T	2,4-Dinitrotoluene	0.385	0.380	1.3	93	0.00
69	T	4-Nitrophenol	0.238	0.274	-15.1	114	0.00
70	T	2,3,5,6-Tetrachlorophenol	0.340	0.374	-10.0	106	0.00
71	T	2,3,4,6-Tetrachlorophenol	0.330	0.363	-10.0	103	0.00
72	T	Diethyl phthalate	1.516	1.369	9.7	93	0.00
73	T	Fluorene	1.447	1.318	8.9	96	0.00
74	T	4-Chlorophenyl phenyl ether	0.688	0.643	6.5	98	0.00
75	T	4-Nitroaniline	0.337	0.286	15.1	81	0.00
76	T	4,6-Dinitro-o-cresol	0.214	0.230	-7.5	109	0.00
77	T	NDPA/DPA	1.209	1.095	9.4	92	0.00
78	T	Azobenzene	1.272	1.299	-2.1	103	0.00
79	S	2,4,6-Tribromophenol	0.194	0.208	-7.2	108	0.00
80	T	4-Bromophenyl phenyl ether	0.424	0.394	7.1	99	0.00
81	T	Hexachlorobenzene	0.475	0.444	6.5	101	0.00
82	T	Pentachlorophenol	0.280	0.260	7.1	98	0.00
88	I	IS1_Phenanthrene-d10	1.000	1.000	0.0	95	0.00
89	T	Phenanthrene	1.202	1.073	10.7	87	0.00
90	T	Anthracene	1.178	1.075	8.7	87	0.00
91	T	Carbazole	1.081	0.950	12.1	81	0.00
92	T	Di-n-butylphthalate	1.266	1.183	6.6	84	0.00
93	T	Fluoranthene	1.296	1.104	14.8	80	0.00
94	T	Benzidine	0.831	0.582	30.0#	66	0.00
95	T	Pyrene	1.383	1.159	16.2	80	0.00
96	S	4-Terphenyl-d14	0.982	0.783	20.3#	78	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\251202RVT\
Data File : ABN1202.D
Acq On : 2 Dec 2025 11:11 pm
Operator : SV106:smz
Sample : wg2148721-3,32,,ABN RVT CCV Lot # 11823
Misc : wg2148721,,ical22591
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 02 23:34:32 2025
Quant Method : I:\8270\SV106\251202RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 02 23:35:05 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	0.529	0.438	17.2	74	0.00
104	I	IS1_Chrysene-d12	1.000	1.000	0.0	70	0.00
105	T	Benzo(a)anthracene	1.349	1.357	-0.6	72	0.00
106	T	3,3'-Dichlorobenzidine	0.464	0.483	-4.1	69	0.00
107	T	Chrysene	1.336	1.259	5.8	69	0.00
108	T	Bis(2-ethylhexyl)phthalate	0.846	0.852	-0.7	66	0.00
109	T	Di-n-octylphthalate	1.419	1.309	7.8	64	0.00
110	T	Benzo(b)fluoranthene	1.278	1.215	4.9	69	0.00
111	T	Benzo(k)fluoranthene	1.303	1.285	1.4	68	0.00
112	T	Benzo(a)pyrene	1.197	1.160	3.1	67	0.00
113	I	IS1_Perylene-d12	1.000	1.000	0.0	69	0.00
114	T	Indeno(1,2,3-cd)pyrene	1.141	1.117	2.1	67	0.00
115	T	Dibenzo(a,h)anthracene	1.181	1.101	6.8	64	0.00
116	T	Benzo(ghi)perylene	1.164	1.131	2.8	68	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\251202RVT\
Data File : ABN1202.D
Acq On : 2 Dec 2025 11:11 pm
Operator : SV106:smz
Sample : wg2148721-3,32,,ABN RVT CCV Lot # 11823
Misc : wg2148721,,ical22591
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 02 23:34:32 2025
Quant Method : I:\8270\SV106\251202RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 02 23:35:05 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	3.939	152	37364	4.000	ug/ml		0.00
35) IS1_Naphthalene-d8	5.216	136	140652	4.000	ug/ml	#	0.00
63) IS1_Acenaphthene-d10	6.938	164	83328	4.000	ug/ml		0.00
88) IS1_Phenanthrene-d10	8.371	188	147211	4.000	ug/ml		0.00
104) IS1_Chrysene-d12	10.963	240	110435	4.000	ug/ml		0.00
113) IS1_Perylene-d12	12.387	264	113853	4.000	ug/ml		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.568	112	55558	5.378	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 268.90%#				
7) Phenol-d6	3.650	99	66009	5.362	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 268.10%#				
19) Nitrobenzene-d5	4.511	82	65860	5.749	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 574.90%#				
46) 2-Fluorobiphenyl	6.320	172	140574	4.871	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 487.10%#				
79) 2,4,6-Tribromophenol	7.709	330	21650	5.359	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 267.95%#				
96) 4-Terphenyl-d14	9.975	244	144113	3.986	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 398.60%#				
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	1.222	74	35639	5.781	ug/ml	#	70
3) Pyridine	1.244	79	57281	5.422	ug/ml	#	58
5) Aniline	3.609	93	87019	5.359	ug/ml		98
6) 2-Chlorophenol	3.724	128	62617	5.034	ug/ml		93
8) Phenol	3.662	94	72695	5.401	ug/ml		98
9) Bis(2-chloroethyl)ether	3.715	93	56841	5.325	ug/ml	#	78
10) 1,3-Dichlorobenzene	3.877	146	71859M3	4.814	ug/ml		
11) 1,4-Dichlorobenzene	3.958	146	72919	4.777	ug/ml		97
12) 1,2-Dichlorobenzene	4.107	146	69355	4.724	ug/ml		96
13) Benzyl alcohol	4.125	79	51113	5.675	ug/ml		98
14) Bis(2-chloroisopropyl)...	4.287	45	84458	4.843	ug/ml	#	53
15) 2-Methylphenol	4.278	108	52754	5.115	ug/ml		98
16) Hexachloroethane	4.445	117	31417	5.589	ug/ml	#	74
17) n-Nitrosodi-n-propylamine	4.408	70	44359	5.830	ug/ml	#	87
18) 3-Methylphenol/4-Methy...	4.445	108	56166	4.982	ug/ml		98
20) Nitrobenzene	4.529	77	66638	5.661	ug/ml		98
21) Isophorone	4.787	82	113228	5.280	ug/ml		95
22) 2-Nitrophenol	4.856	139	32994	5.518	ug/ml	#	92

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\251202RVT\
Data File : ABN1202.D
Acq On : 2 Dec 2025 11:11 pm
Operator : SV106:smz
Sample : wg2148721-3,32,,ABN RVT CCV Lot # 11823
Misc : wg2148721,,ical22591
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 02 23:34:32 2025
Quant Method : I:\8270\SV106\251202RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 02 23:35:05 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	4.968	107	57555	4.847	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.052	93	76142	5.271	ug/ml	98
25) 2,4-Dichlorophenol	5.107	162	55422	5.072	ug/ml	96
26) 1,2,4-Trichlorobenzene	5.179	180	64047	4.990	ug/ml	97
36) Naphthalene	5.235	128	175401	4.610	ug/ml	99
37) Benzoic Acid	5.076	105	37780	4.693	ug/ml	97
38) 4-Chloroaniline	5.328	65	23866	5.799	ug/ml	92
39) Hexachlorobutadiene	5.406	225	40149	5.697	ug/ml	98
40) p-Chloro-m-cresol	5.857	107	51450	5.154	ug/ml	97
41) 2-Methylnaphthalene	5.931	142	108205	4.803	ug/ml	96
42) 1-Methylnaphthalene	6.024	115	43172	5.404	ug/ml	91
43) Hexachlorocyclopentadiene	6.111	237	51299	5.742	ug/ml	99
44) 2,4,6-Trichlorophenol	6.236	196	41937	5.591	ug/ml	94
45) 2,4,5-Trichlorophenol	6.264	196	45998	5.464	ug/ml	98
47) 2-Chloronaphthalene	6.400	162	121563	4.756	ug/ml	95
48) 2-Nitroaniline	6.525	138	35950	4.960	ug/ml	89
49) 1,4-Dinitrobenzene	6.665	168	17209	5.042	ug/ml	88
50) 1,3-Dinitrobenzene	6.739	168	18913M3	4.813	ug/ml	
51) Dimethyl phthalate	6.749	163	137160	4.552	ug/ml#	98
52) Acenaphthylene	6.795	152	196334	4.772	ug/ml	98
53) 2,6-Dinitrotoluene	6.780	165	29890	5.086	ug/ml#	84
54) 1,2-Dinitrobenzene	6.814	168	13037	5.100	ug/ml	99
64) 3-Nitroaniline	6.929	138	31847	4.475	ug/ml	98
65) Acenaphthene	6.969	154	110919	4.688	ug/ml	91
66) 2,4-Dinitrophenol	7.031	184	18652	5.407	ug/ml	94
67) Dibenzofuran	7.143	168	171170	4.455	ug/ml#	80
68) 2,4-Dinitrotoluene	7.165	165	39621	4.945	ug/ml#	80
69) 4-Nitrophenol	7.146	65	28499	5.745	ug/ml#	1
70) 2,3,5,6-Tetrachlorophenol	7.243	232	38940M3	5.502	ug/ml	
71) 2,3,4,6-Tetrachlorophenol	7.283	232	37836	5.504	ug/ml	97
72) Diethyl phthalate	7.445	149	142606	4.514	ug/ml	98
73) Fluorene	7.473	166	137334	4.556	ug/ml	93
74) 4-Chlorophenyl phenyl ...	7.510	204	66967	4.669	ug/ml	90
75) 4-Nitroaniline	7.516	138	29815	4.247	ug/ml#	85
76) 4,6-Dinitro-o-cresol	7.557	198	23913	5.368	ug/ml#	66
77) NDPA/DPA	7.628	169	114097	4.529	ug/ml	94
78) Azobenzene	7.656	77	135258	5.105	ug/ml	99
80) 4-Bromophenyl phenyl e...	7.976	248	41052M3	4.644	ug/ml	
81) Hexachlorobenzene	8.014	284	46297	4.678	ug/ml#	86
82) Pentachlorophenol	8.216	266	27071	4.646	ug/ml	96
89) Phenanthrene	8.393	178	197416M3	4.462	ug/ml	

Data Path : I:\8270\SV106\251202RVT\
Data File : ABN1202.D
Acq On : 2 Dec 2025 11:11 pm
Operator : SV106:smz
Sample : wg2148721-3,32,,ABN RVT CCV Lot # 11823
Misc : wg2148721,,ical22591
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 02 23:34:32 2025
Quant Method : I:\8270\SV106\251202RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 02 23:35:05 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Anthracene	8.442	178	197766	4.563	ug/ml	98
91) Carbazole	8.623	167	174746	4.391	ug/ml	97
92) Di-n-butylphthalate	9.055	149	217764	4.674	ug/ml	99
93) Fluoranthene	9.549	202	203201	4.260	ug/ml#	93
94) Benzidine	9.723	184	107088	3.500	ug/ml#	95
95) Pyrene	9.757	202	213346	4.192	ug/ml	99
97) Butyl benzyl phthalate	10.503	149	80532	4.137	ug/ml	89
105) Benzo(a)anthracene	10.957	228	187288M3	5.028	ug/ml	
106) 3,3'-Dichlorobenzidine	10.976	252	66634	5.198	ug/ml	98
107) Chrysene	10.991	228	173790	4.710	ug/ml	98
108) Bis(2-ethylhexyl)phtha...	11.140	149	117574	5.031	ug/ml#	89
109) Di-n-octylphthalate	11.802	149	180703	4.613	ug/ml#	73
110) Benzo(b)fluoranthene	12.026	252	167684M3	4.754	ug/ml	
111) Benzo(k)fluoranthene	12.054	252	177343	4.930	ug/ml#	94
112) Benzo(a)pyrene	12.331	252	160109M3	4.844	ug/ml	
114) Indeno(1,2,3-cd)pyrene	13.332	276	158944M3	4.896	ug/mL	
115) Dibenzo(a,h)anthracene	13.363	278	156760M3	4.663	ug/ml	
116) Benzo(ghi)perylene	13.543	276	160899	4.858	ug/ml#	88

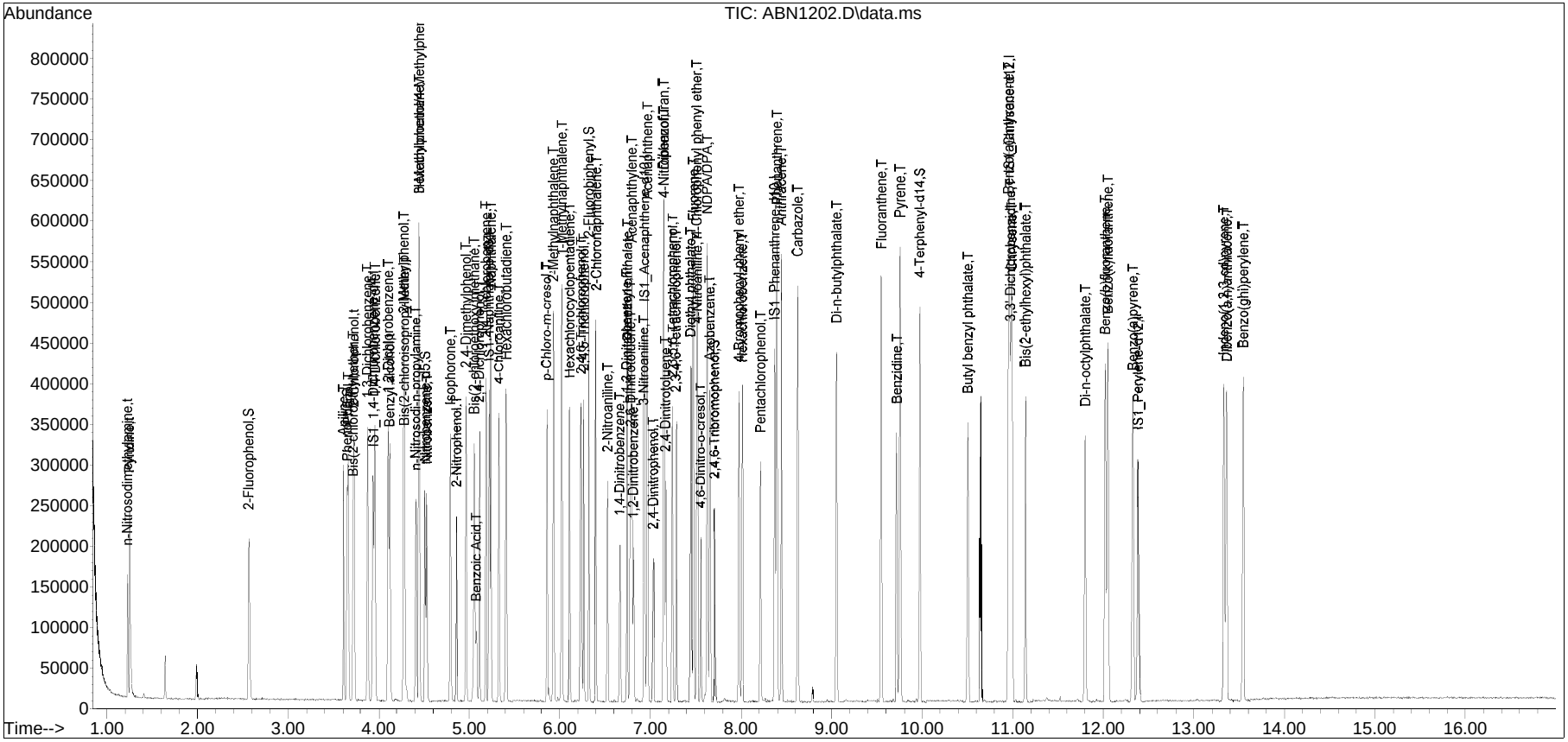
(#) = qualifier out of range (m) = manual integration (+) = signals summed

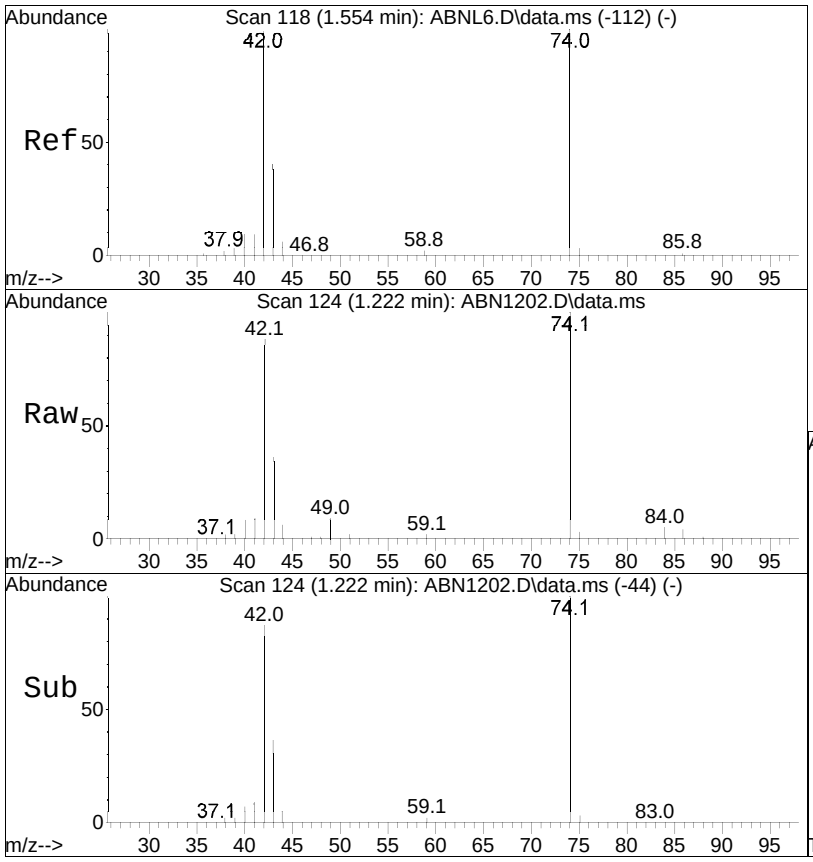
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\251202RVT\
Data File : ABN1202.D
Acq On : 2 Dec 2025 11:11 pm
Operator : SV106:smz
Sample : wg2148721-3,32,,ABN RVT CCV Lot # 11823
Misc : wg2148721,,ical22591
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 02 23:34:32 2025
Quant Method : I:\8270\SV106\251202RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 02 23:35:05 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

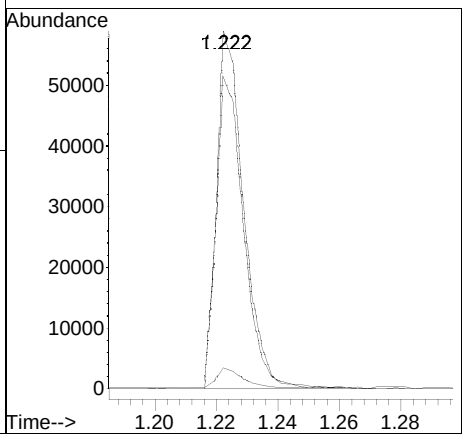


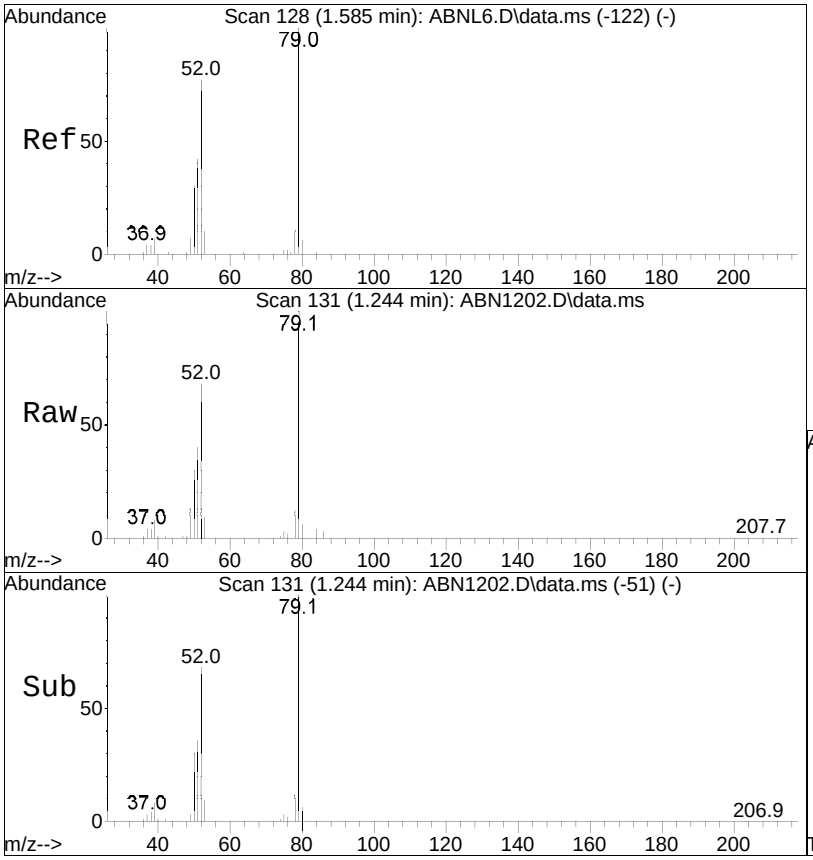


#2
n-Nitrosodimethylamine
Concen: 5.78 ug/ml
RT: 1.222 min Scan# 124
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion: 74 Resp: 35639

Ion	Ratio	Lower	Upper
74	100		
42	88.7	100.0	150.0#
44	5.3	6.7	10.1#

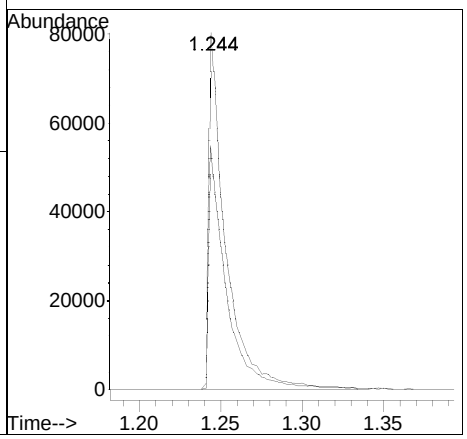


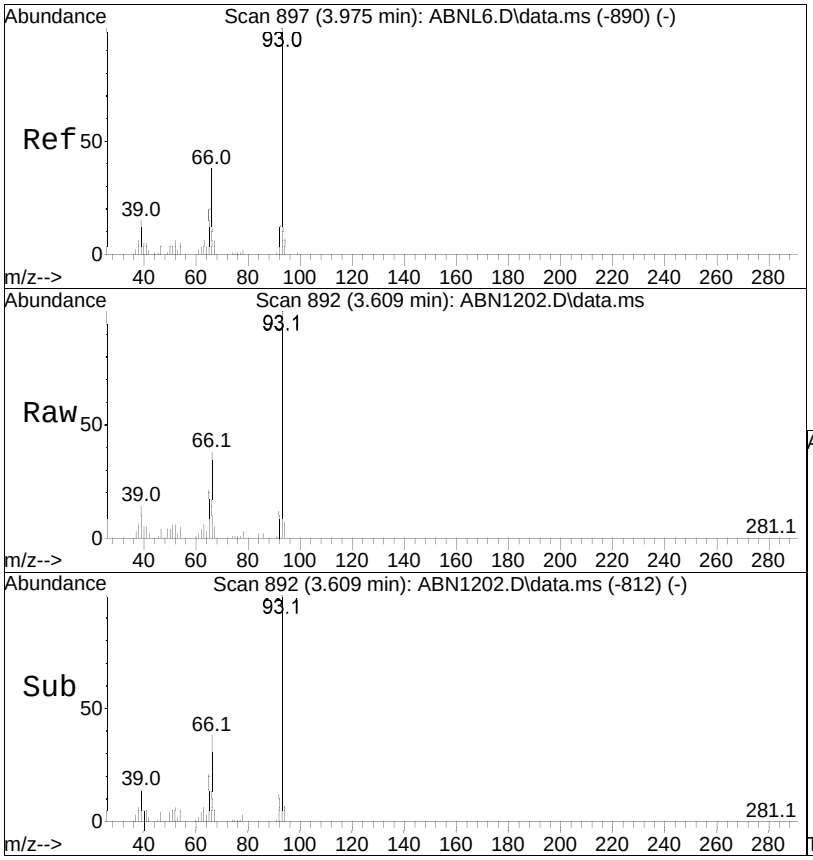


#3
Pyridine
Concen: 5.42 ug/ml
RT: 1.244 min Scan# 131
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion: 79 Resp: 57281

Ion	Ratio	Lower	Upper
79	100		
52	70.4	93.1	139.7#

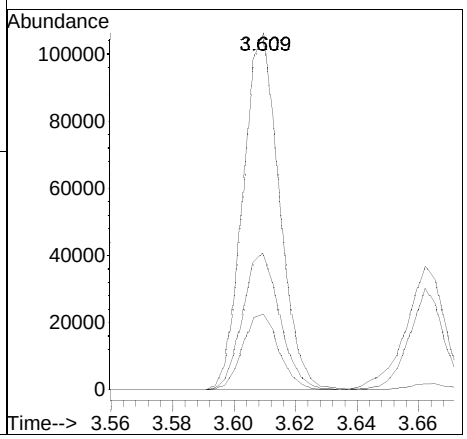


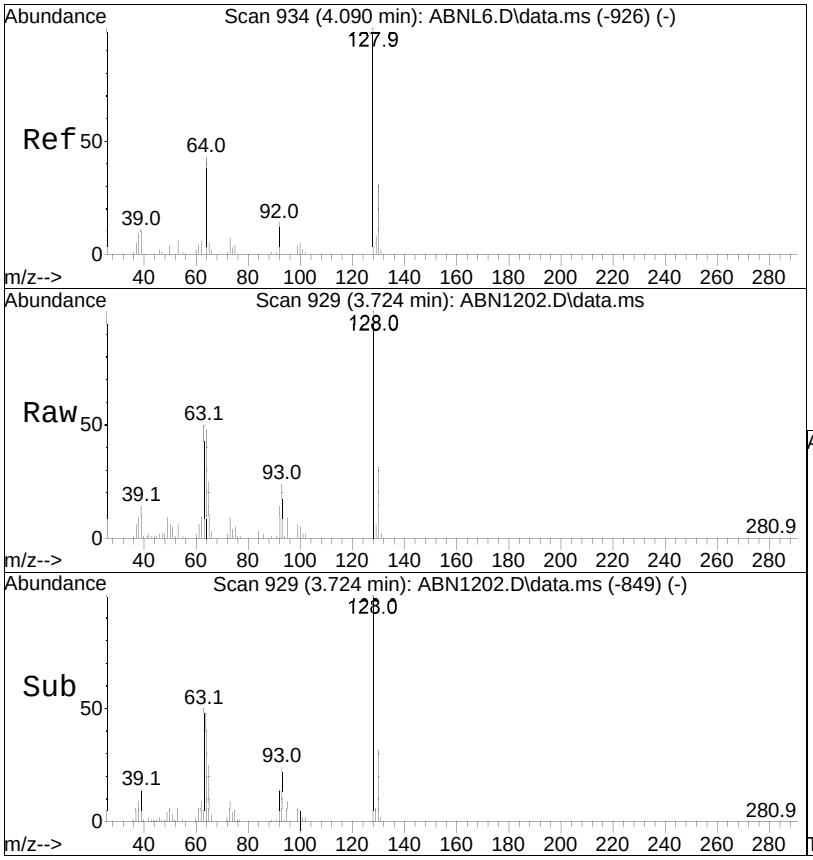


#5
Aniline
Concen: 5.36 ug/ml
RT: 3.609 min Scan# 892
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion: 93 Resp: 87019

Ion	Ratio	Lower	Upper
93	100		
66	39.2	32.6	49.0
65	21.2	17.6	26.4

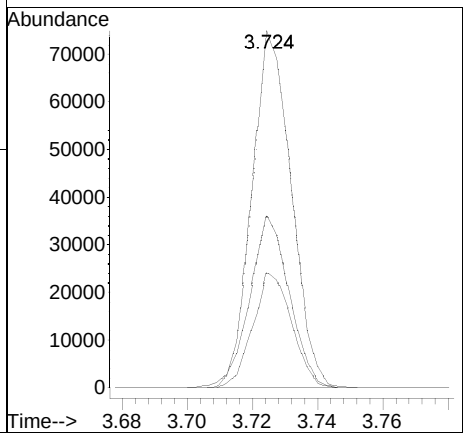


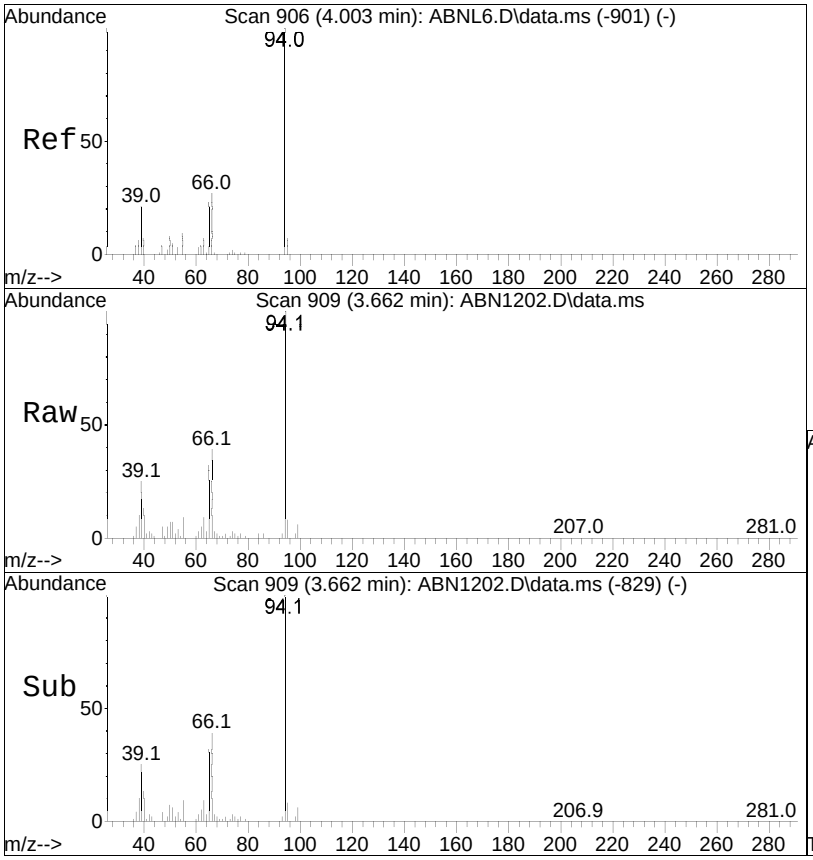


#6
2-Chlorophenol
Concen: 5.03 ug/ml
RT: 3.724 min Scan# 929
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:128 Resp: 62617

Ion	Ratio	Lower	Upper
128	100		
64	48.8	45.1	67.7
130	32.0	26.2	39.4

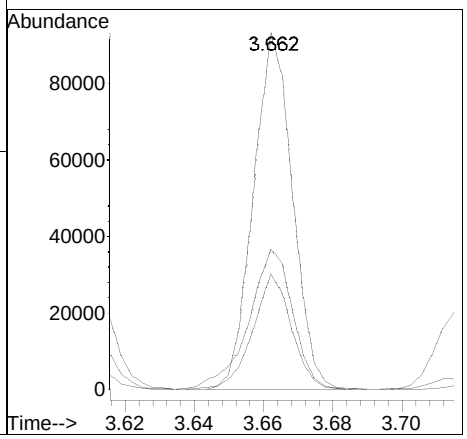


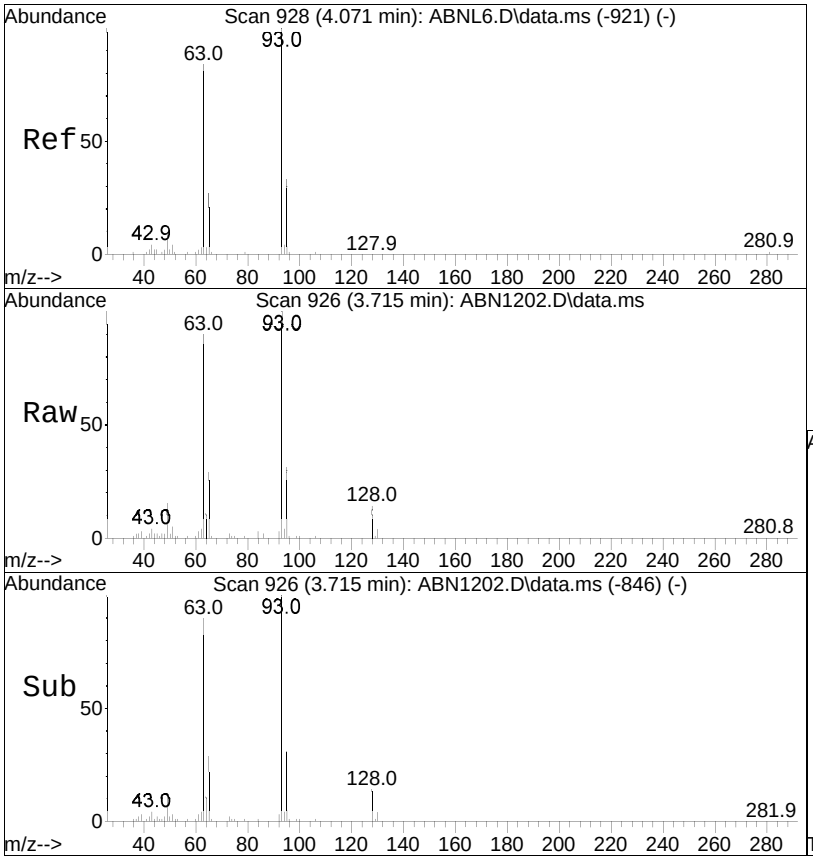


#8
Phenol
Concen: 5.40 ug/ml
RT: 3.662 min Scan# 909
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion: 94 Resp: 72695

Ion	Ratio	Lower	Upper
94	100		
65	32.2	26.0	39.0
66	44.5	33.8	50.8

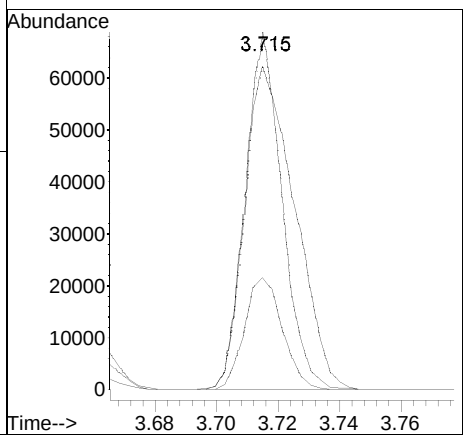


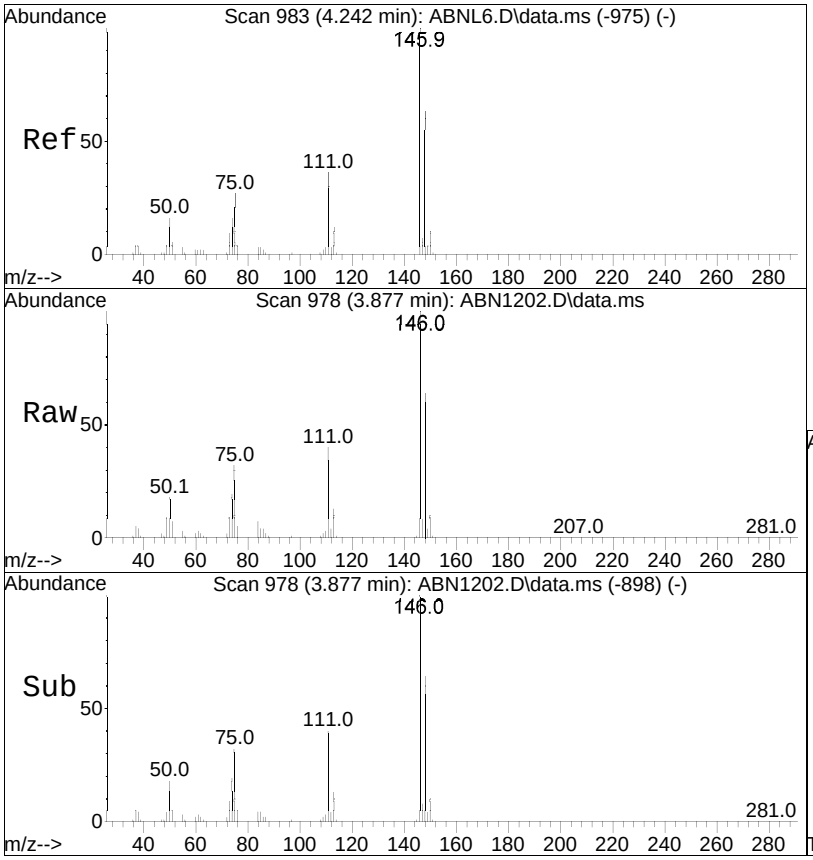


#9
Bis(2-chloroethyl)ether
Concen: 5.32 ug/ml
RT: 3.715 min Scan# 926
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion: 93 Resp: 56841

Ion	Ratio	Lower	Upper
93	100		
63	122.2	74.6	111.8#
95	32.4	25.9	38.9

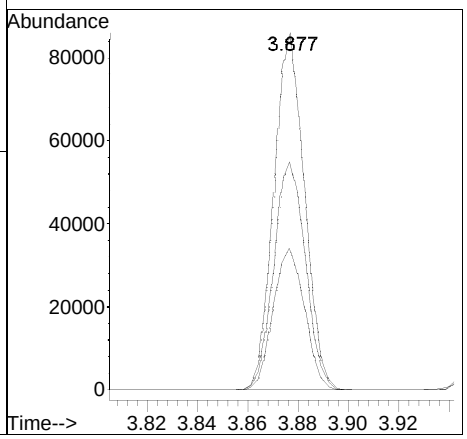


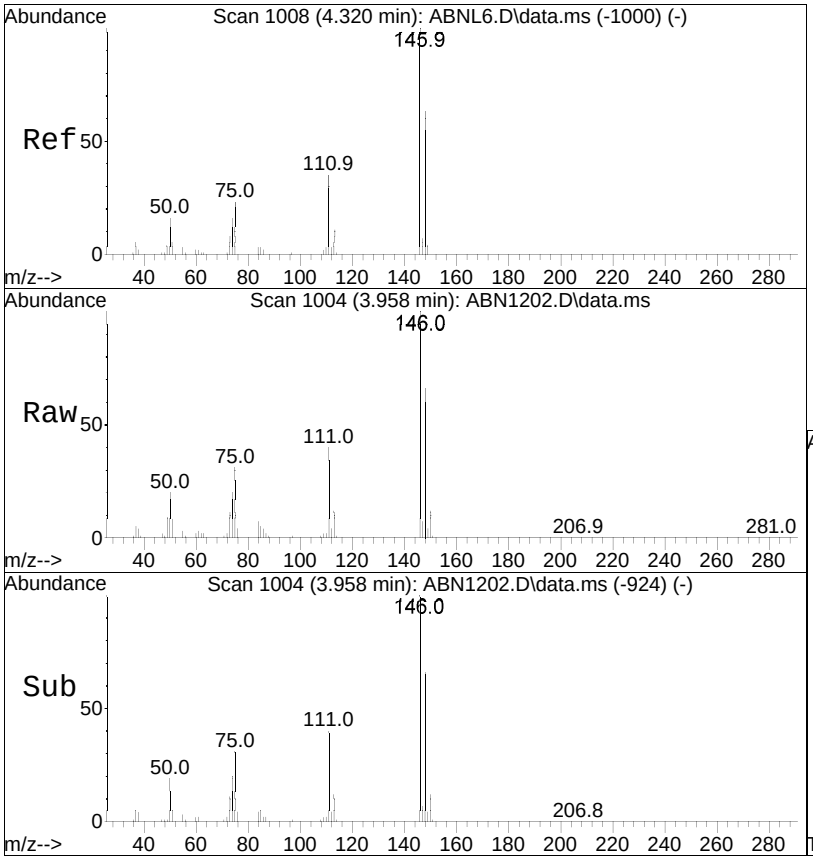


#10
1,3-Dichlorobenzene
Concen: 4.81 ug/ml M3
RT: 3.877 min Scan# 978
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:146 Resp: 71859

Ion	Ratio	Lower	Upper
146	100		
111	40.9	34.3	51.5
148	66.2	50.8	76.2

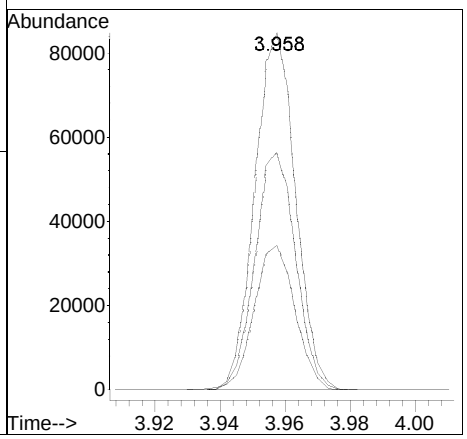


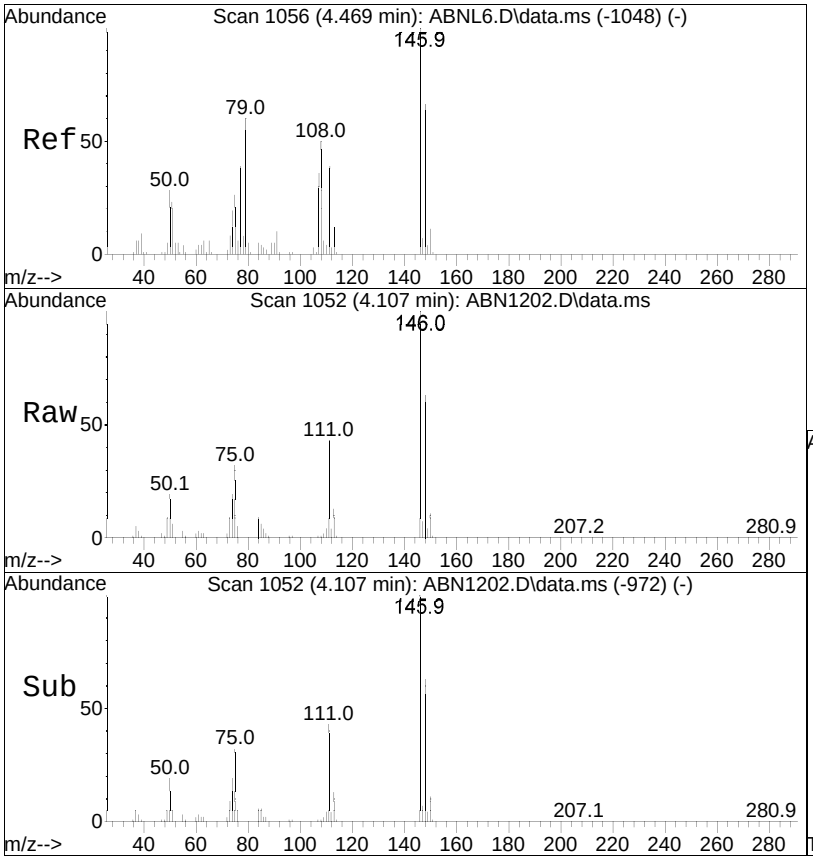


#11
1,4-Dichlorobenzene
Concen: 4.78 ug/ml
RT: 3.958 min Scan# 1004
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:146 Resp: 72919

Ion	Ratio	Lower	Upper
146	100		
148	66.6	50.7	76.1
111	41.1	33.4	50.0

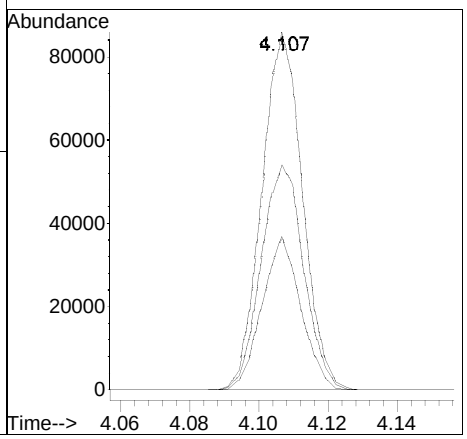


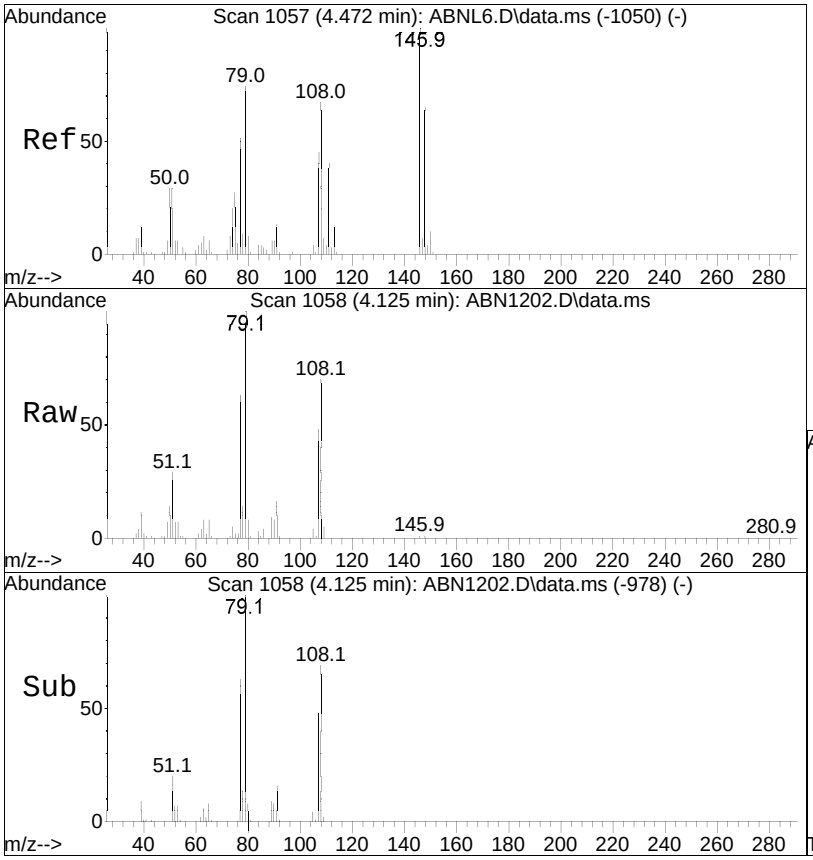


#12
1,2-Dichlorobenzene
Concen: 4.72 ug/ml
RT: 4.107 min Scan# 1052
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:146 Resp: 69355

Ion	Ratio	Lower	Upper
146	100		
111	41.0	34.6	52.0
148	65.8	50.2	75.4

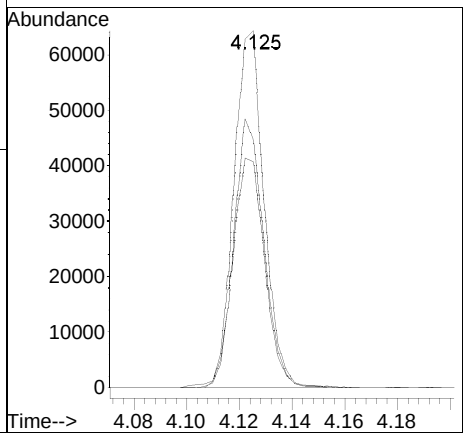


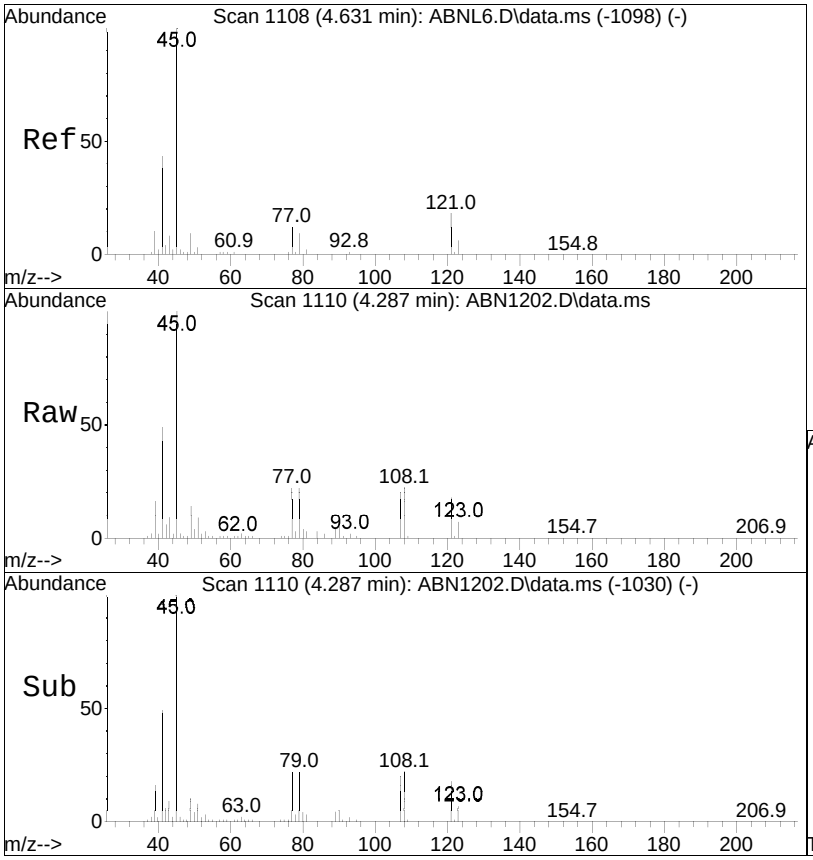


#13
Benzyl alcohol
Concen: 5.67 ug/ml
RT: 4.125 min Scan# 1058
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion: 79 Resp: 51113

Ion	Ratio	Lower	Upper
79	100		
77	67.8	54.9	82.3
108	75.7	63.1	94.7

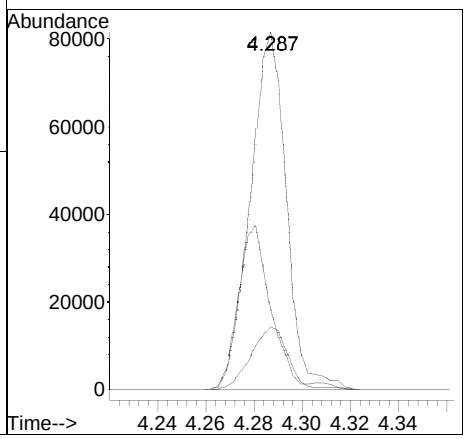


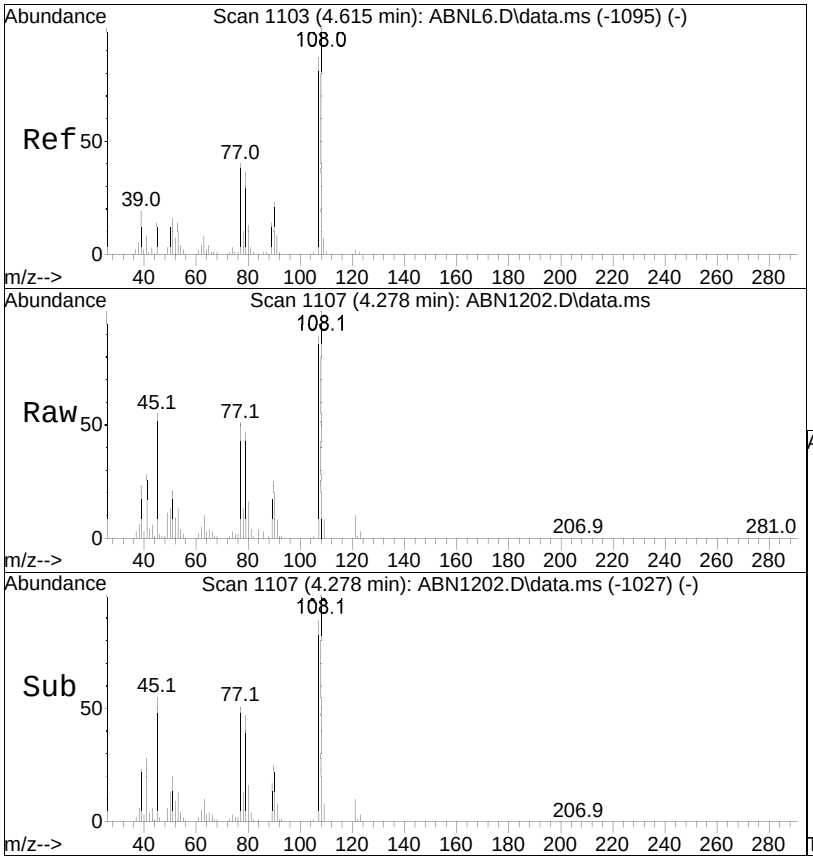


#14
Bis(2-chloroisopropyl)ether
Concen: 4.84 ug/ml
RT: 4.287 min Scan# 1110
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion: 45 Resp: 84458

Ion	Ratio	Lower	Upper
45	100		
121	18.6	9.8	14.6#
77	41.2	6.1	9.1#

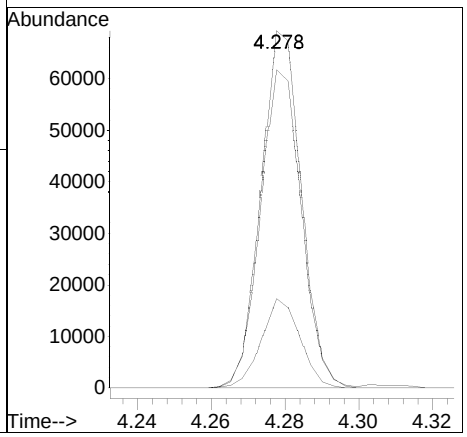


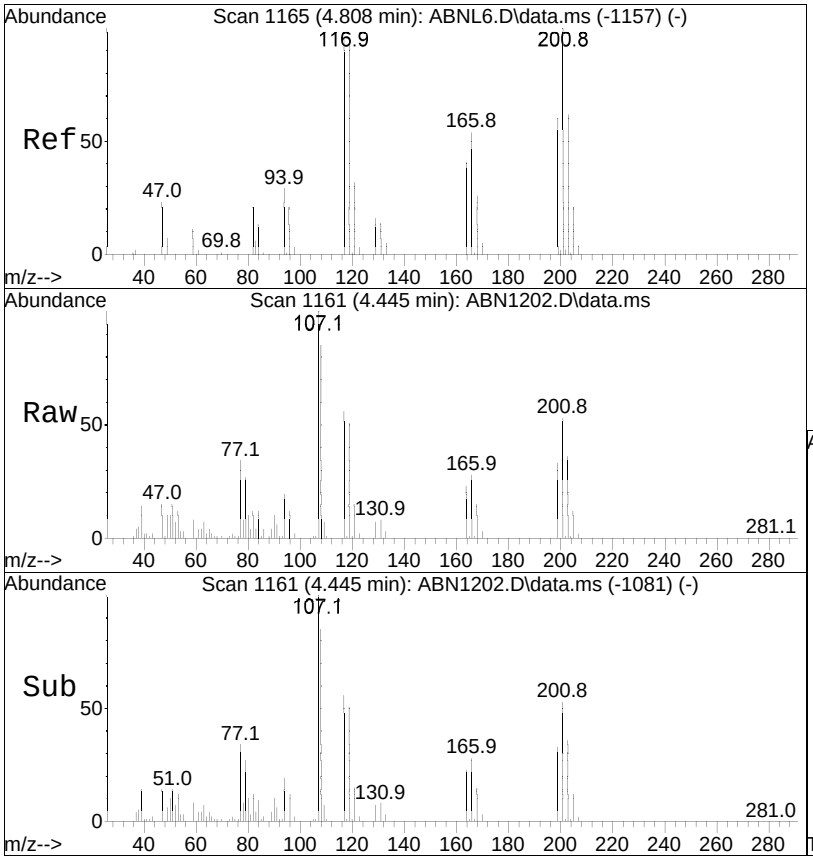


#15
2-Methylphenol
Concen: 5.11 ug/ml
RT: 4.278 min Scan# 1107
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:108 Resp: 52754

Ion	Ratio	Lower	Upper
108	100		
107	90.4	70.7	106.1
90	24.0	18.7	28.1

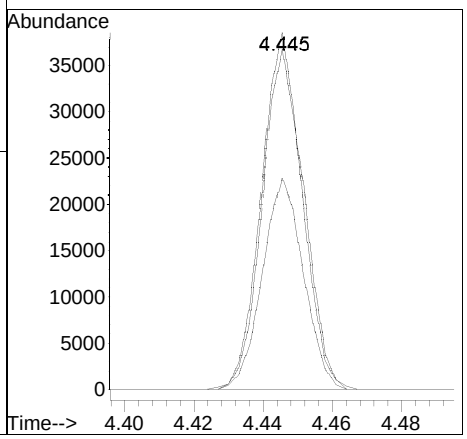


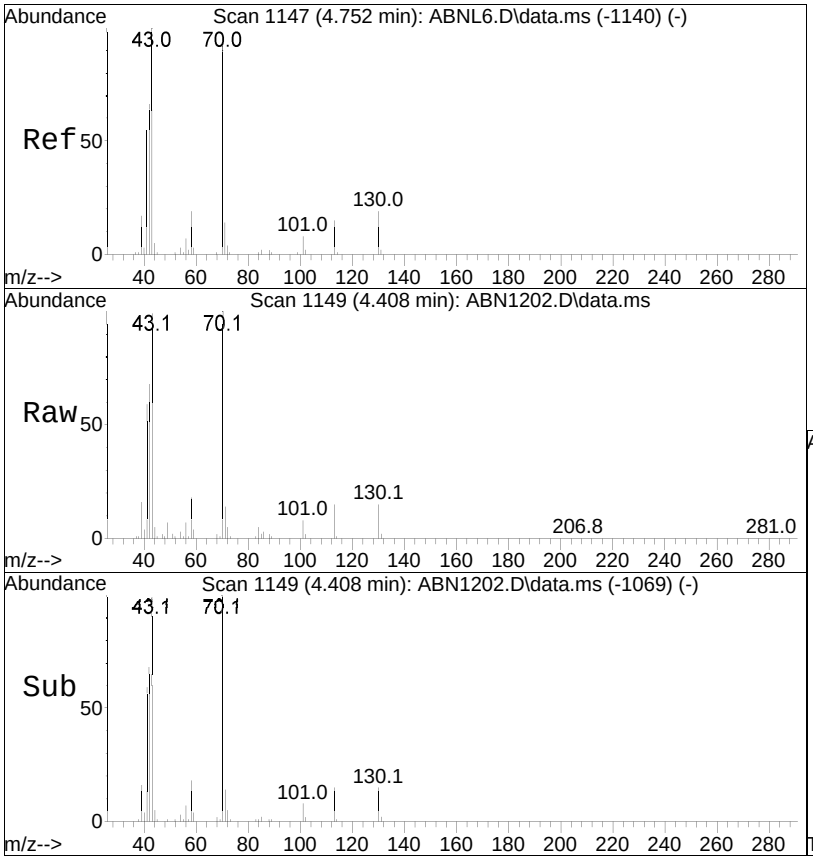


#16
Hexachloroethane
Concen: 5.59 ug/ml
RT: 4.445 min Scan# 1161
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:117 Resp: 31417

Ion	Ratio	Lower	Upper
117	100		
201	97.4	58.6	87.8#
199	59.9	36.9	55.3#

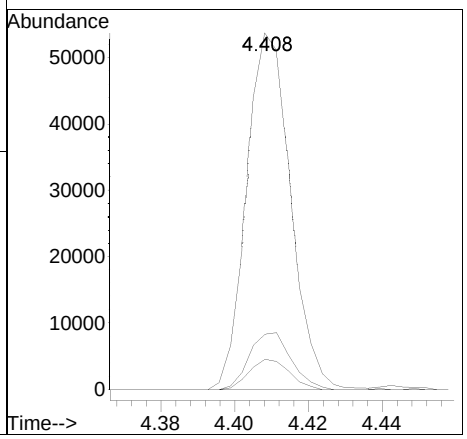


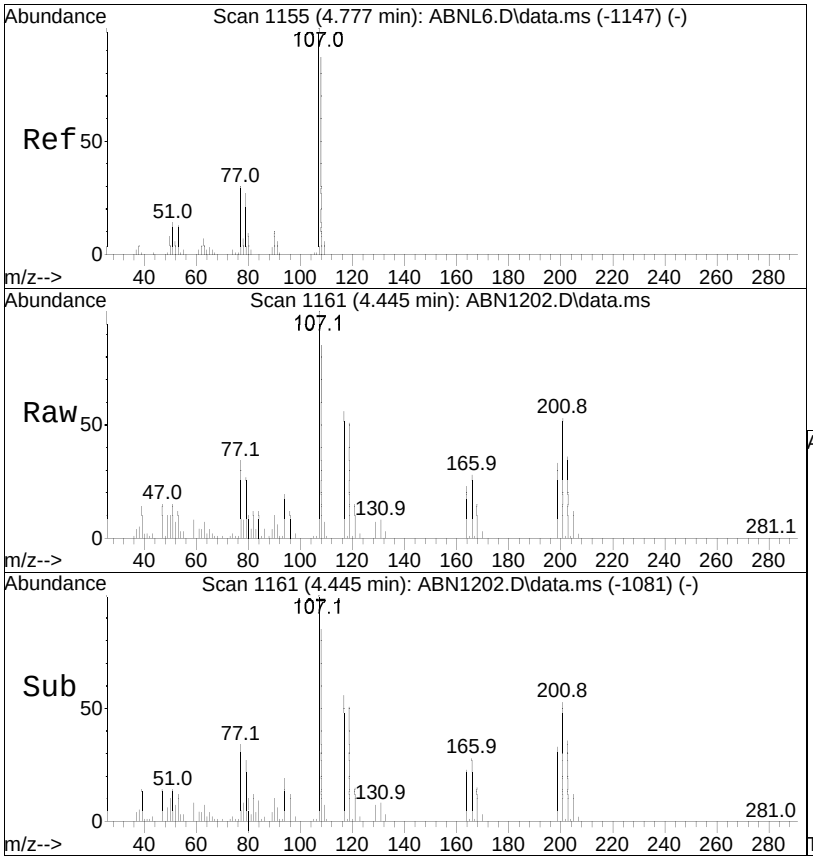


#17
n-Nitrosodi-n-propylamine
Concen: 5.83 ug/ml
RT: 4.408 min Scan# 1149
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion: 70 Resp: 44359

Ion	Ratio	Lower	Upper
70	100		
130	15.2	18.2	27.4#
101	7.8	7.8	11.8#

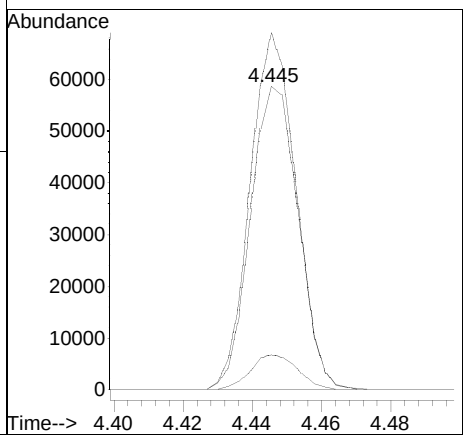


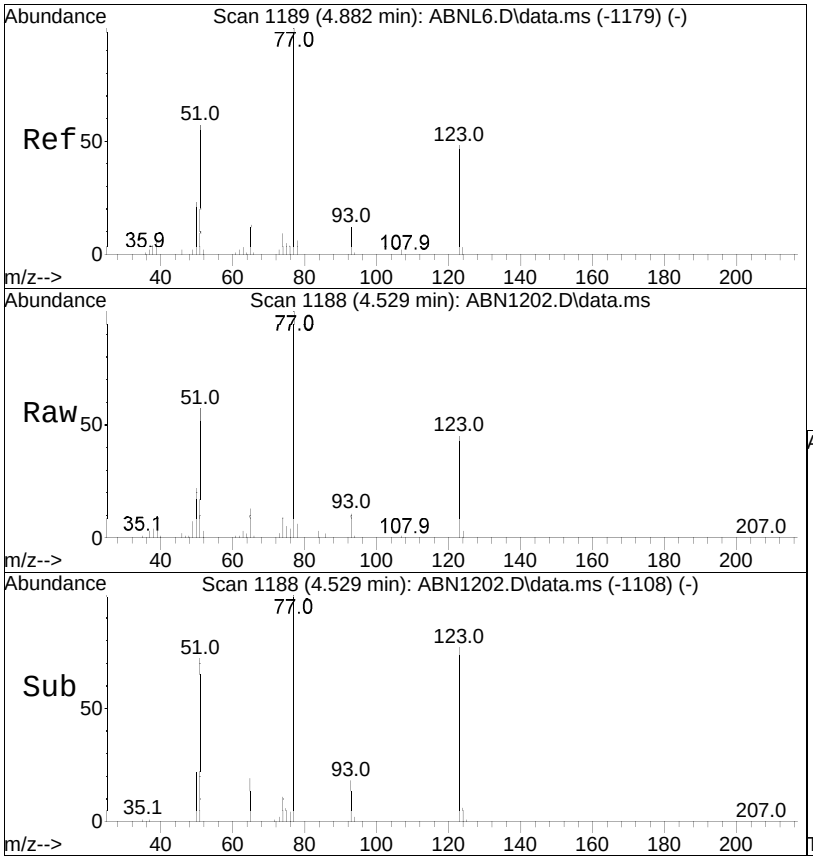


#18
3-Methylphenol/4-Methylphenol
Concen: 4.98 ug/ml
RT: 4.445 min Scan# 1161
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:108 Resp: 56166

Ion	Ratio	Lower	Upper
108	100		
107	113.1	88.6	132.8
90	11.3	8.8	13.2

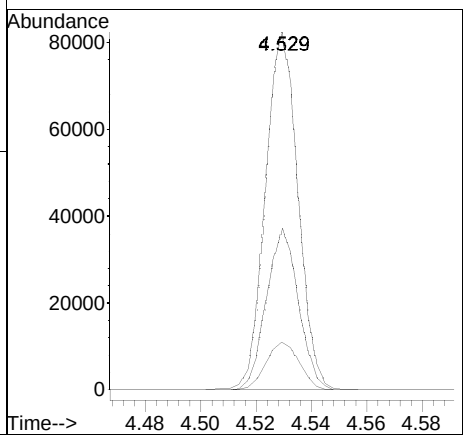


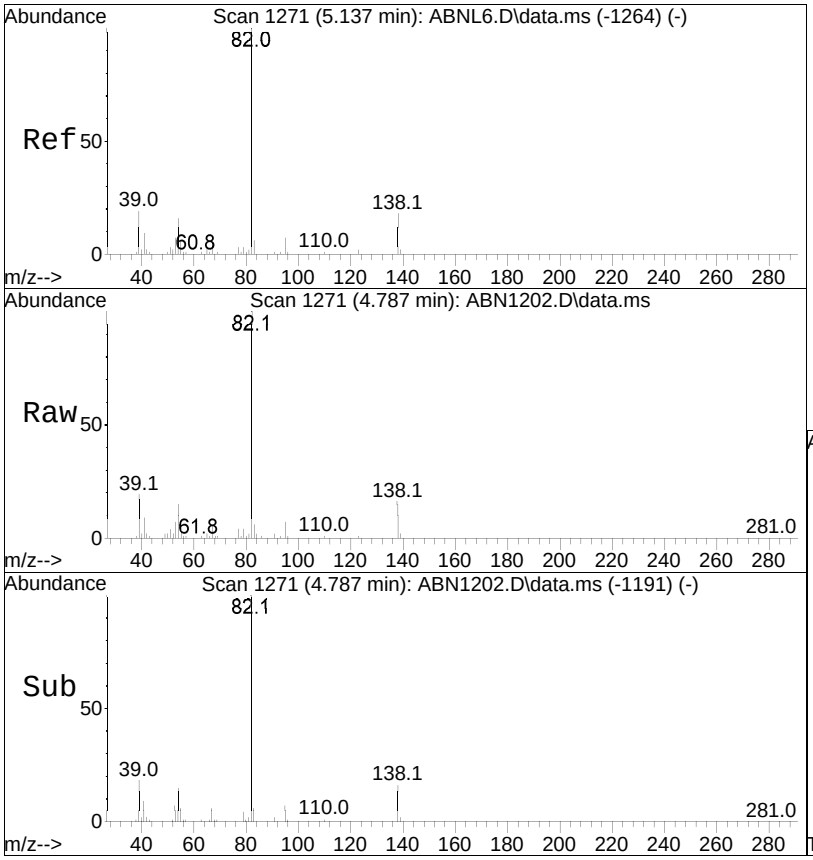


#20
Nitrobenzene
Concen: 5.66 ug/ml
RT: 4.529 min Scan# 1188
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion: 77 Resp: 66638

Ion	Ratio	Lower	Upper
77	100		
123	44.4	36.3	54.5
65	13.7	11.6	17.4

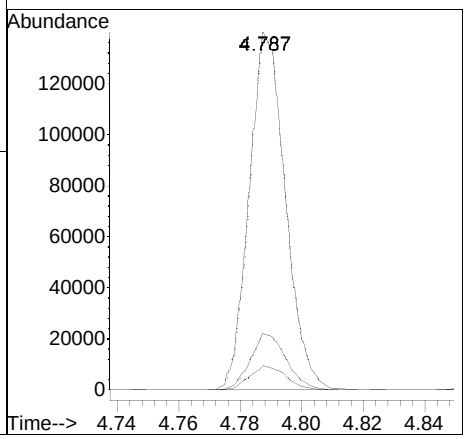


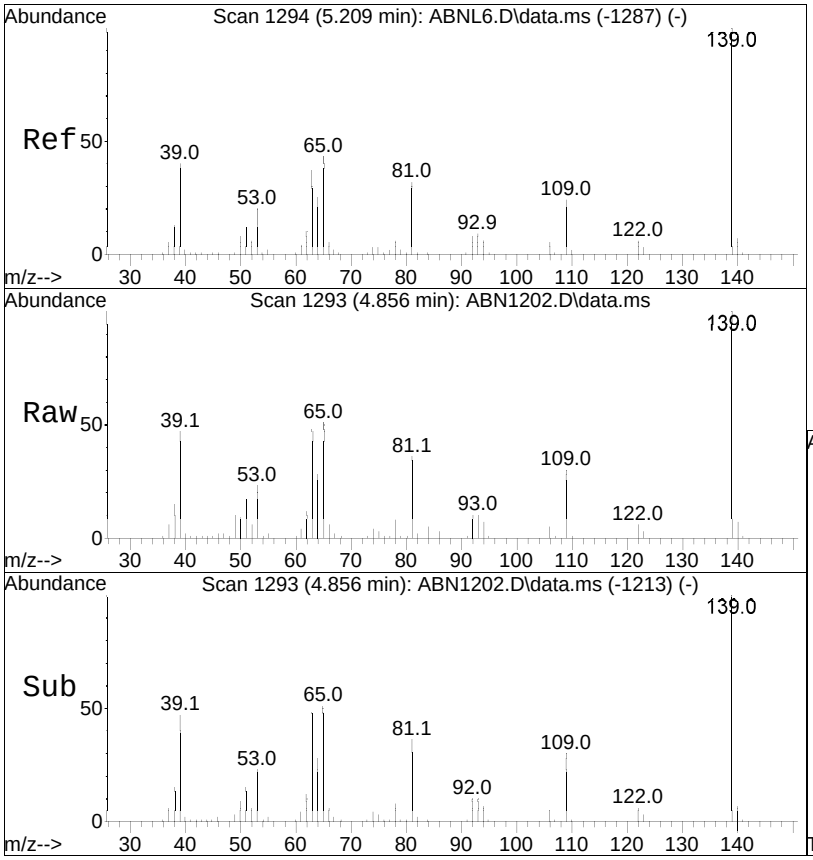


#21
Isophorone
Concen: 5.28 ug/ml
RT: 4.787 min Scan# 1271
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion: 82 Resp: 113228

Ion	Ratio	Lower	Upper
82	100		
138	15.6	14.7	22.1
95	6.8	5.2	7.8

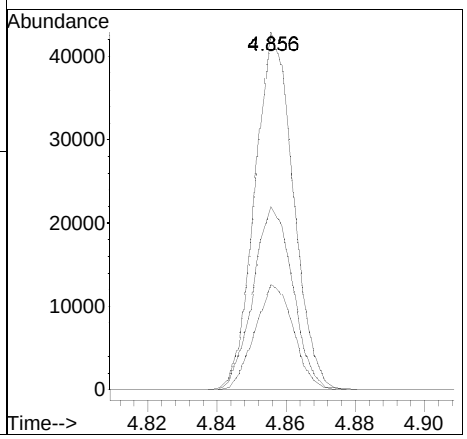


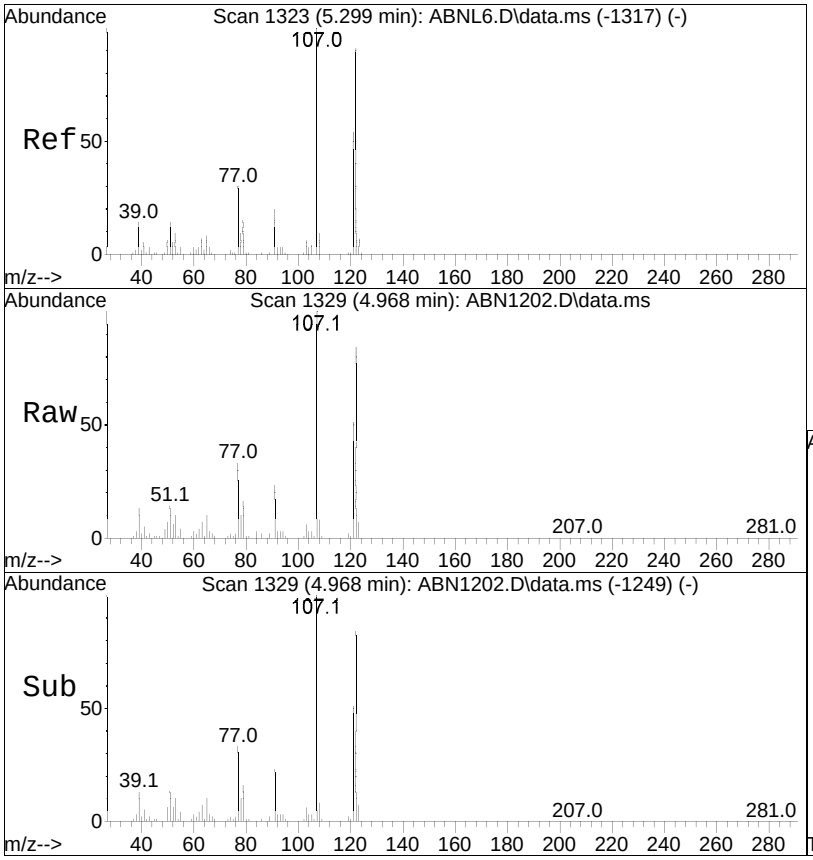


#22
2-Nitrophenol
Concen: 5.52 ug/ml
RT: 4.856 min Scan# 1293
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:139 Resp: 32994

Ion	Ratio	Lower	Upper
139	100		
109	29.7	19.4	29.0#
65	52.8	46.1	69.1

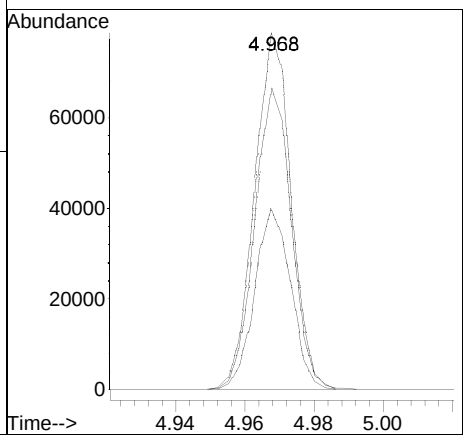


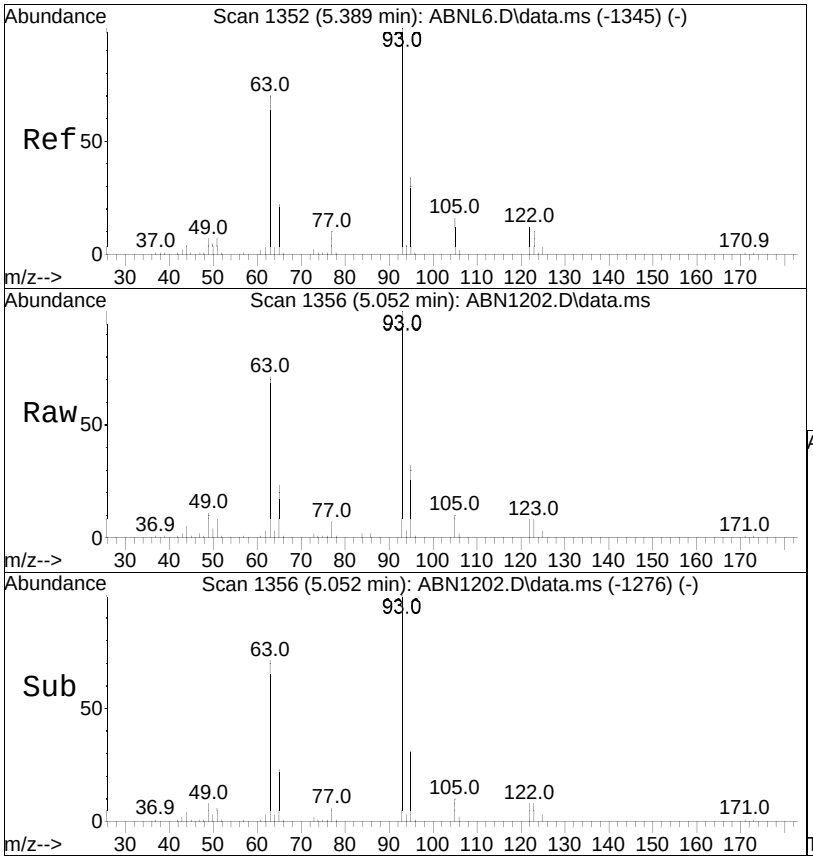


#23
2,4-Dimethylphenol
Concen: 4.85 ug/ml
RT: 4.968 min Scan# 1329
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:107 Resp: 57555

Ion	Ratio	Lower	Upper
107	100		
121	50.2	40.0	60.0
122	84.7	70.2	105.4

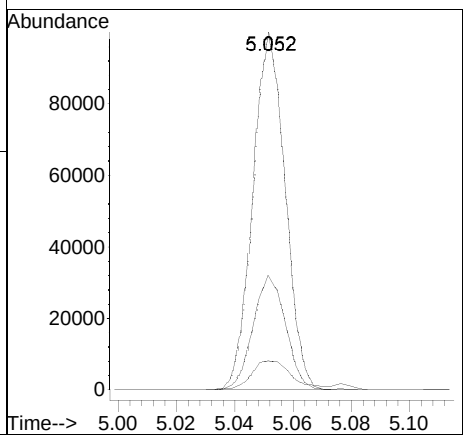


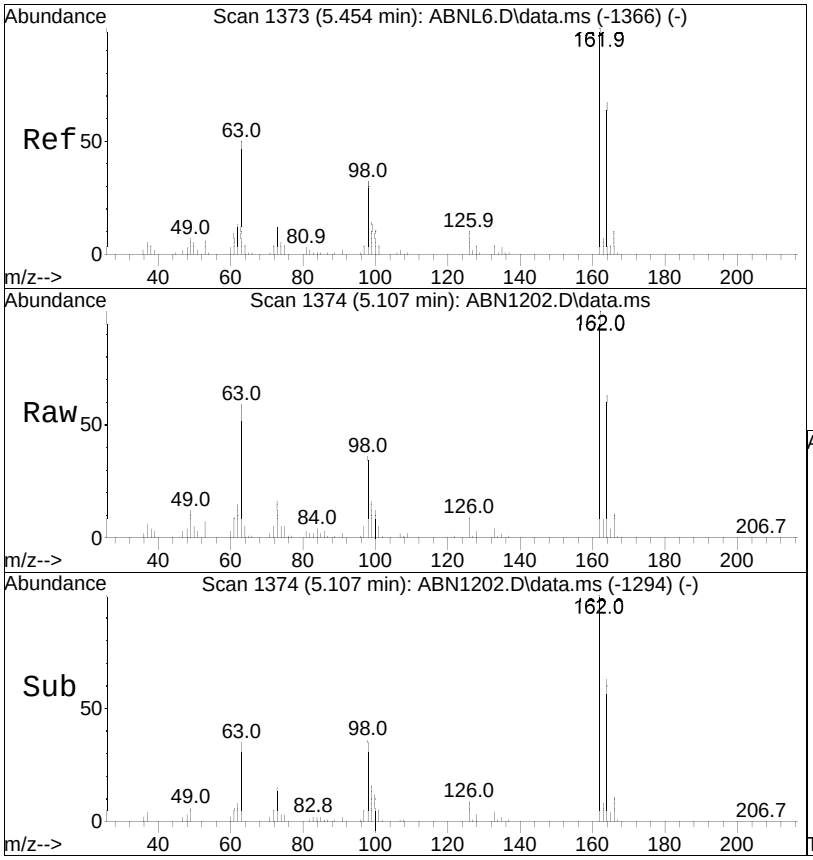


#24
Bis(2-chloroethoxy)methane
Concen: 5.27 ug/ml
RT: 5.052 min Scan# 1356
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion: 93 Resp: 76142

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.8	38.8
123	10.2	10.1	15.1

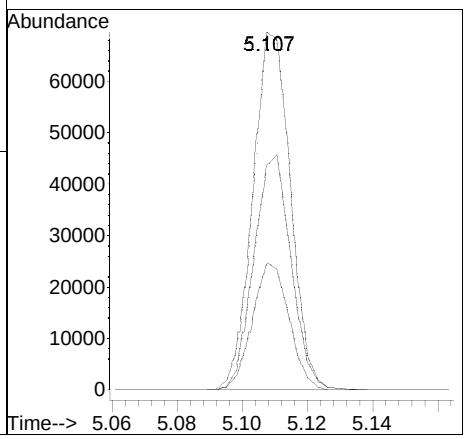


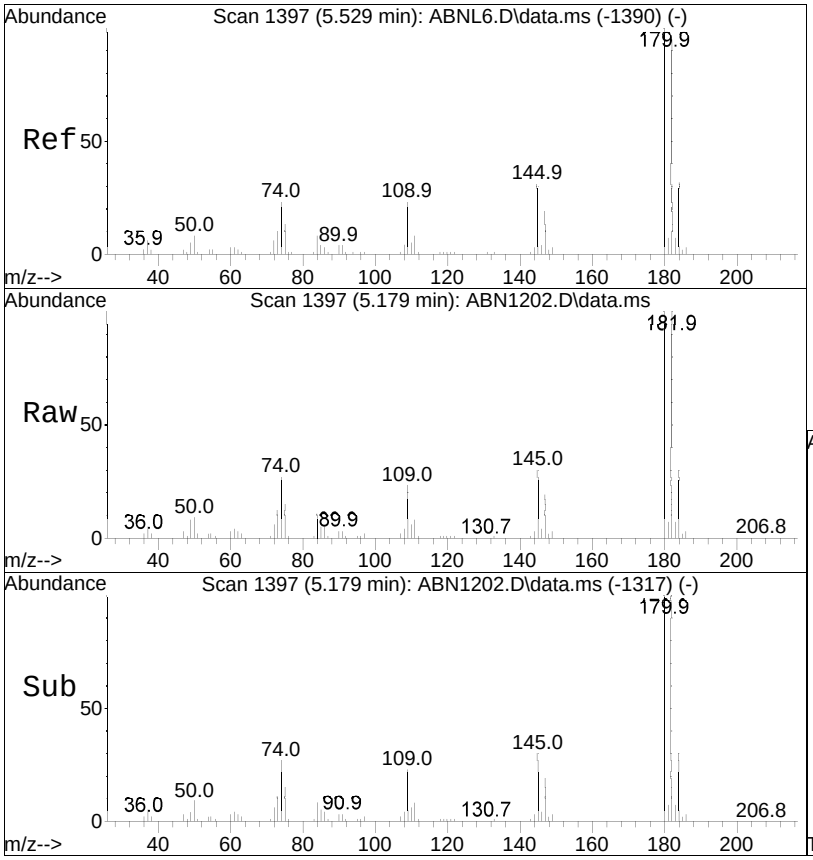


#25
2,4-Dichlorophenol
Concen: 5.07 ug/ml
RT: 5.107 min Scan# 1374
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:162 Resp: 55422

Ion	Ratio	Lower	Upper
162	100		
164	65.1	51.0	76.4
98	34.8	32.2	48.2

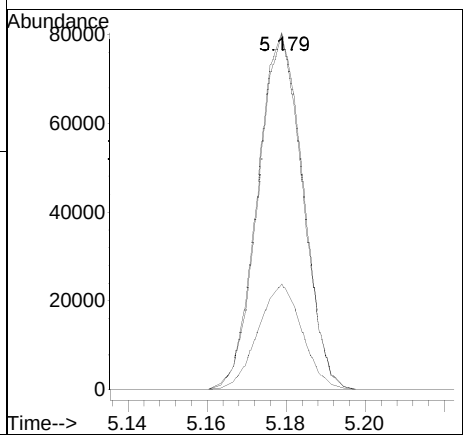


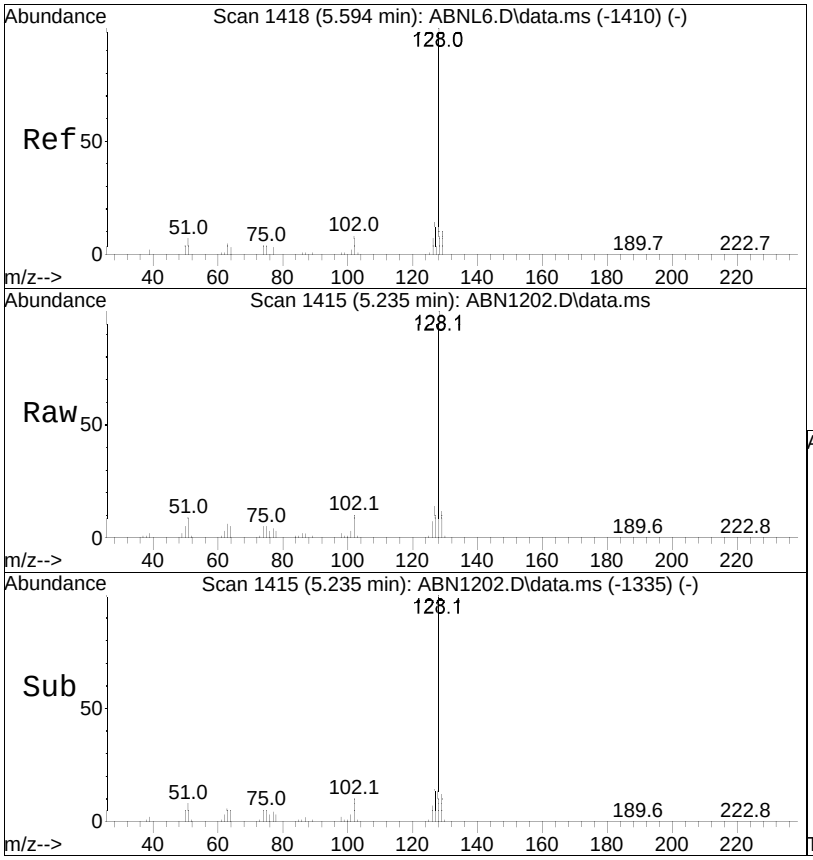


#26
1,2,4-Trichlorobenzene
Concen: 4.99 ug/ml
RT: 5.179 min Scan# 1397
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:180 Resp: 64047

Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.0	114.0
145	28.7	25.7	38.5

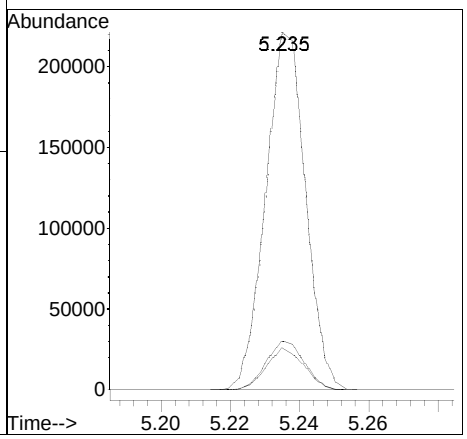


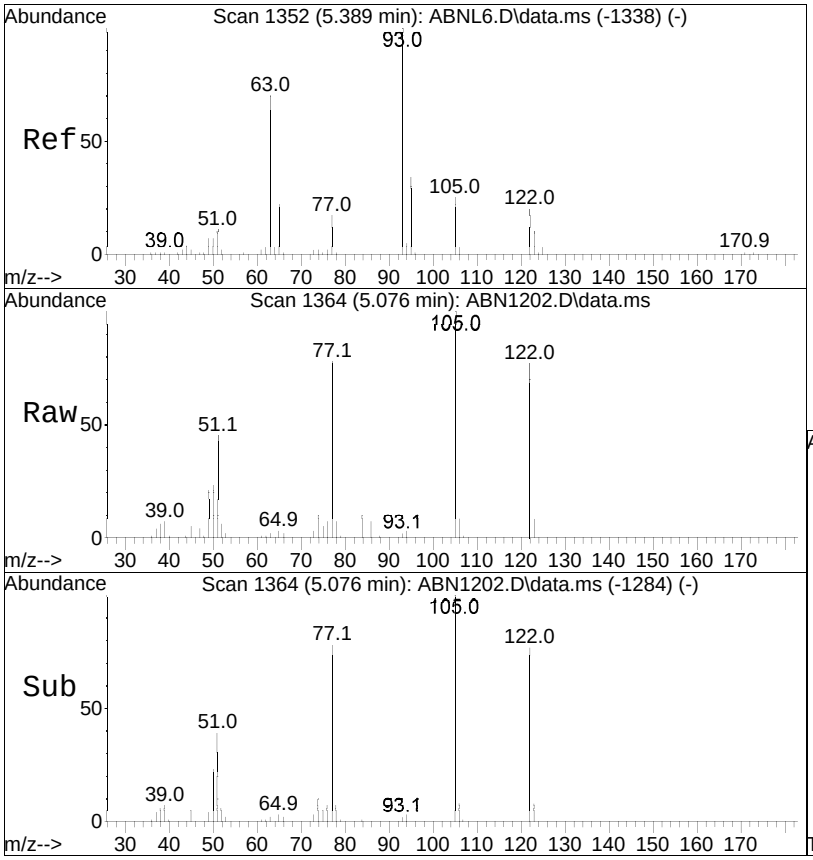


#36
Naphthalene
Concen: 4.61 ug/ml
RT: 5.235 min Scan# 1415
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:128 Resp: 175401

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.3	10.3	15.5

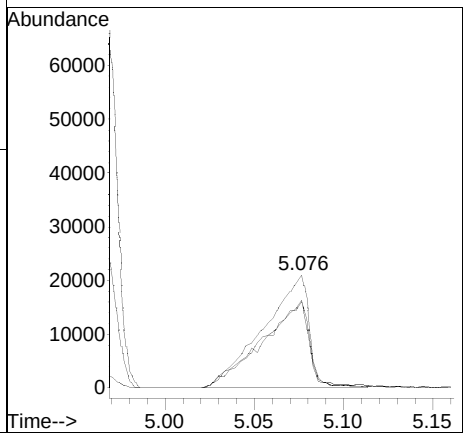


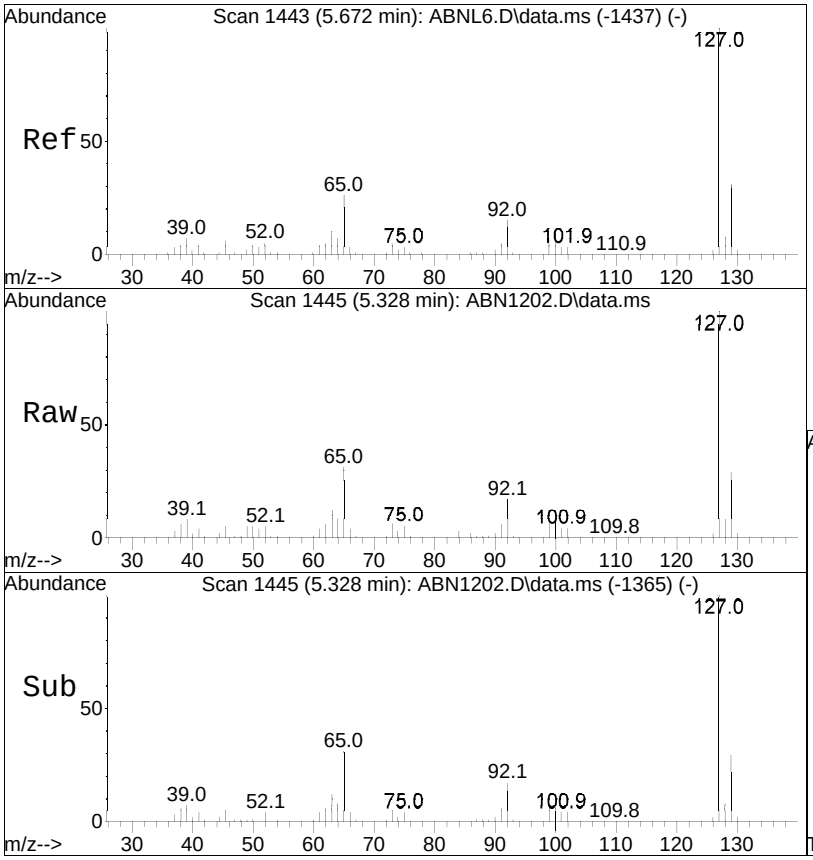


#37
Benzoic Acid
Concen: 4.69 ug/ml
RT: 5.076 min Scan# 1364
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:105 Resp: 37780

Ion	Ratio	Lower	Upper
105	100		
122	79.1	59.9	89.9
77	76.6	60.1	90.1

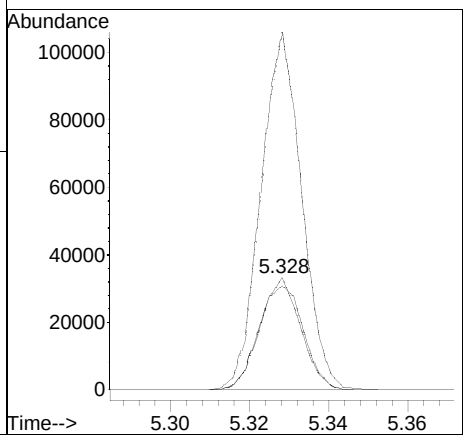


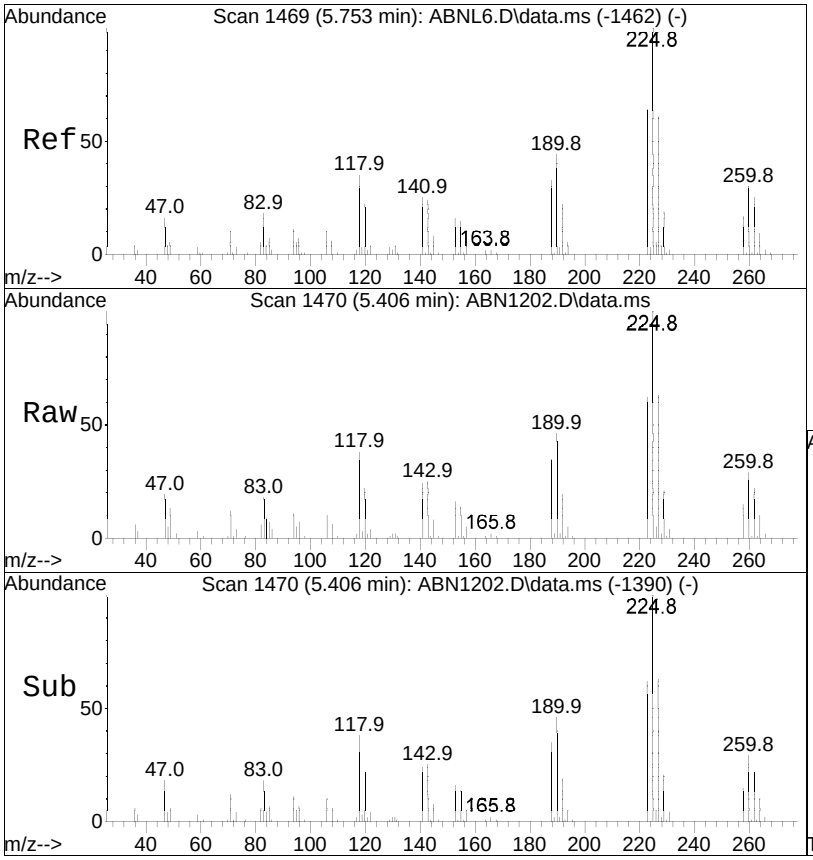


#38
4-Chloroaniline
Concen: 5.80 ug/ml
RT: 5.328 min Scan# 1445
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion: 65 Resp: 23866

Ion	Ratio	Lower	Upper
65	100		
127	314.7	237.6	356.4
129	100.9	76.3	114.5

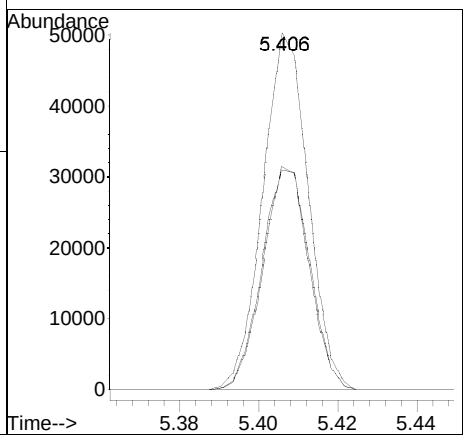


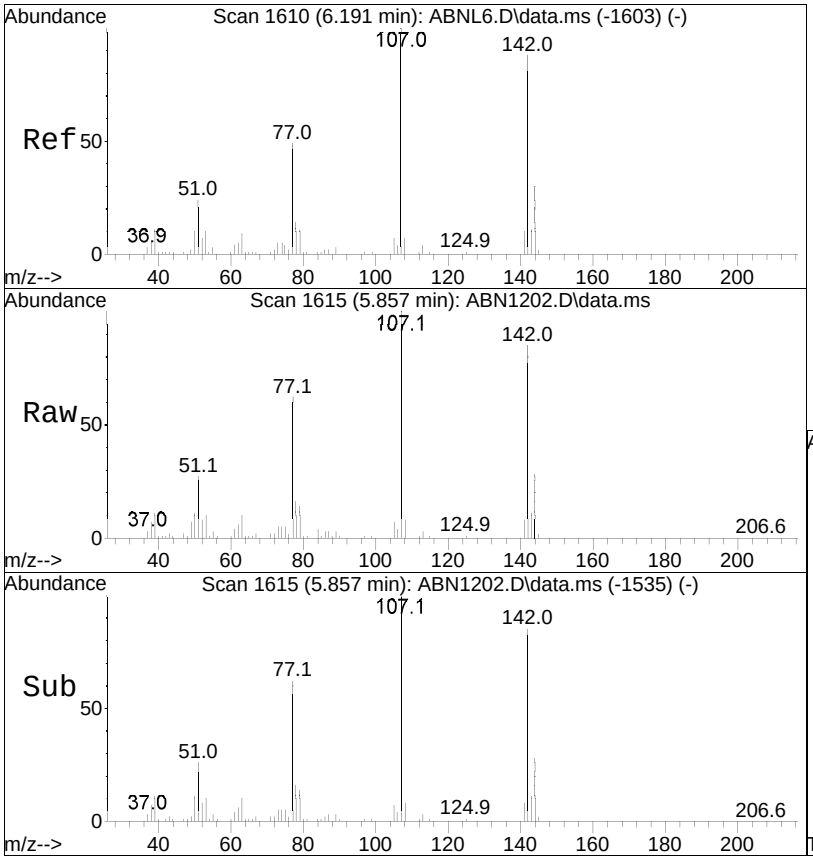


#39
Hexachlorobutadiene
Concen: 5.70 ug/ml
RT: 5.406 min Scan# 1470
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:225 Resp: 40149

Ion	Ratio	Lower	Upper
225	100		
223	64.6	50.3	75.5
227	64.3	52.2	78.2

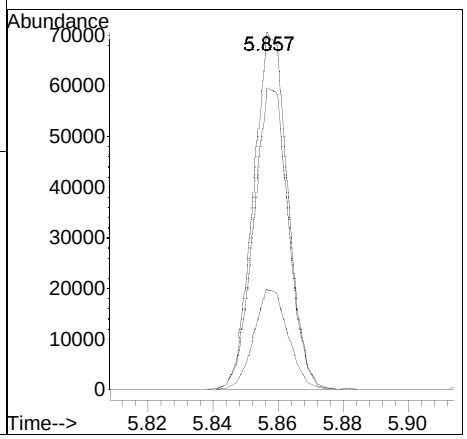


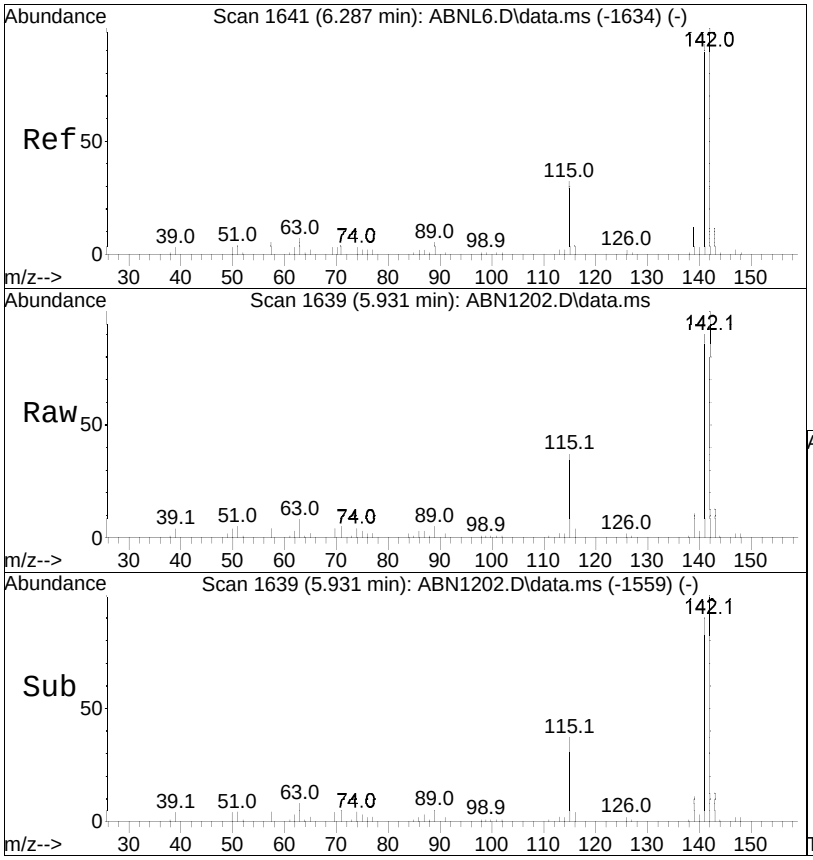


#40
p-Chloro-m-cresol
Concen: 5.15 ug/ml
RT: 5.857 min Scan# 1615
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:107 Resp: 51450

Ion	Ratio	Lower	Upper
107	100		
144	27.9	20.9	31.3
142	85.5	66.1	99.1

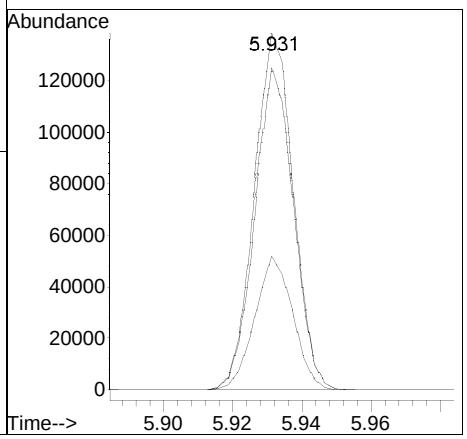


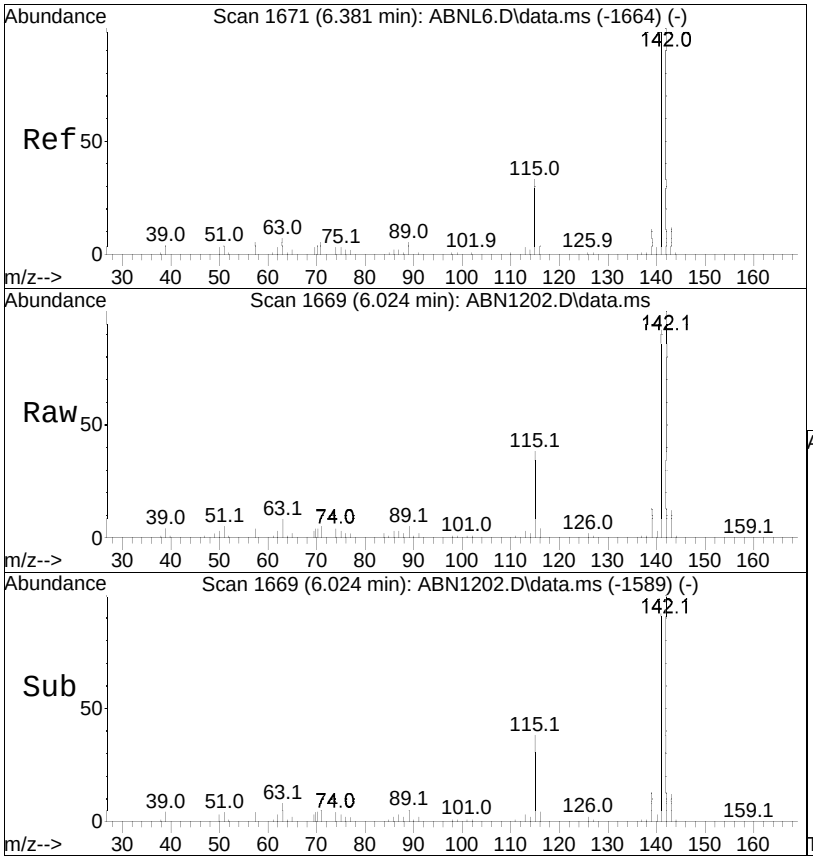


#41
2-Methylnaphthalene
Concen: 4.80 ug/ml
RT: 5.931 min Scan# 1639
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:142 Resp: 108205

Ion	Ratio	Lower	Upper
142	100		
141	89.8	69.6	104.4
115	36.5	26.6	40.0

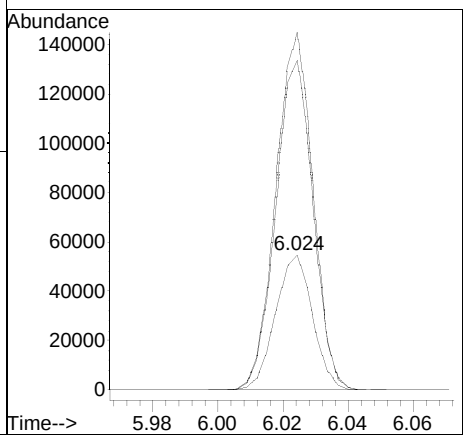


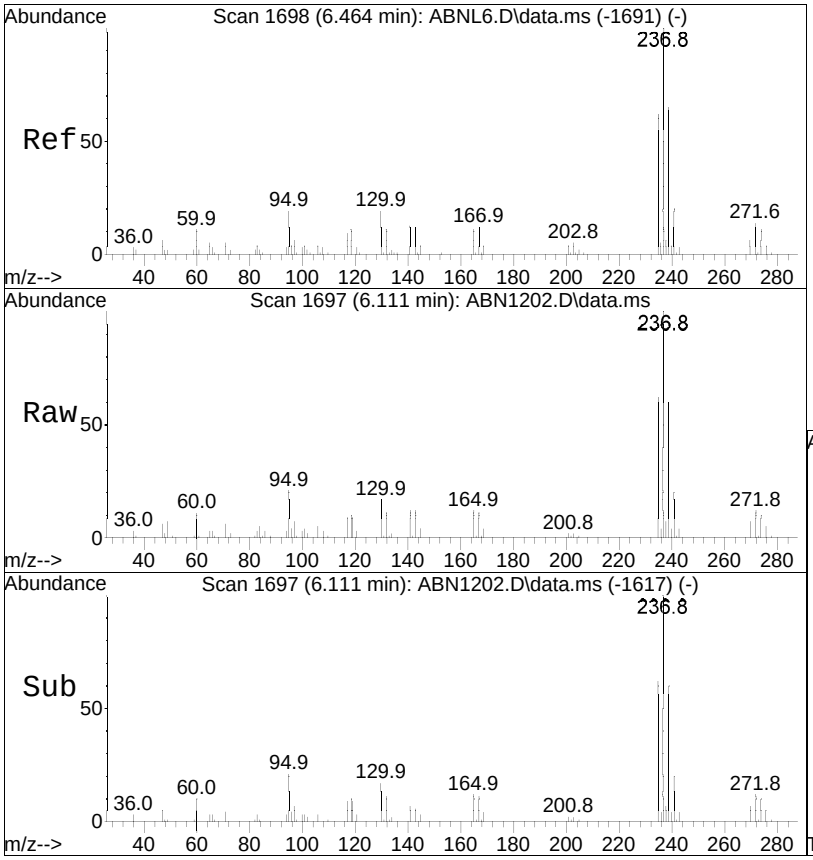


#42
1-Methylnaphthalene
Concen: 5.40 ug/ml
RT: 6.024 min Scan# 1669
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:115 Resp: 43172

Ion	Ratio	Lower	Upper
115	100		
141	246.0	207.8	311.6
142	265.1	226.8	340.2

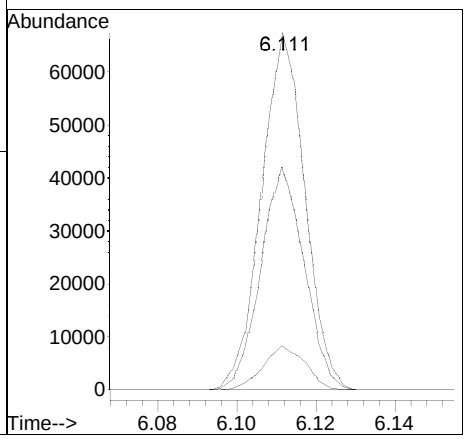


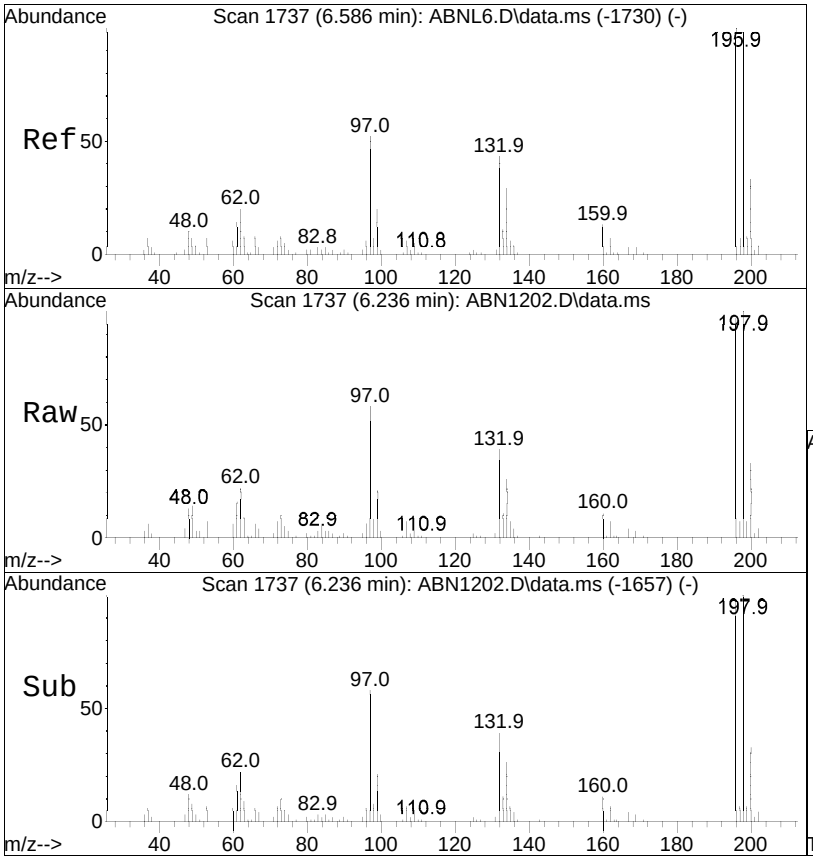


#43
Hexachlorocyclopentadiene
Concen: 5.74 ug/ml
RT: 6.111 min Scan# 1697
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:237 Resp: 51299

Ion	Ratio	Lower	Upper
237	100		
235	62.7	49.7	74.5
272	12.2	9.8	14.6

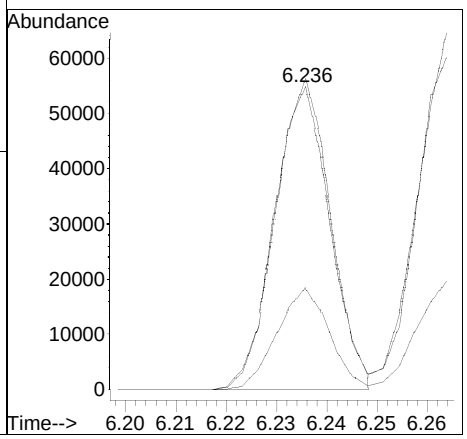


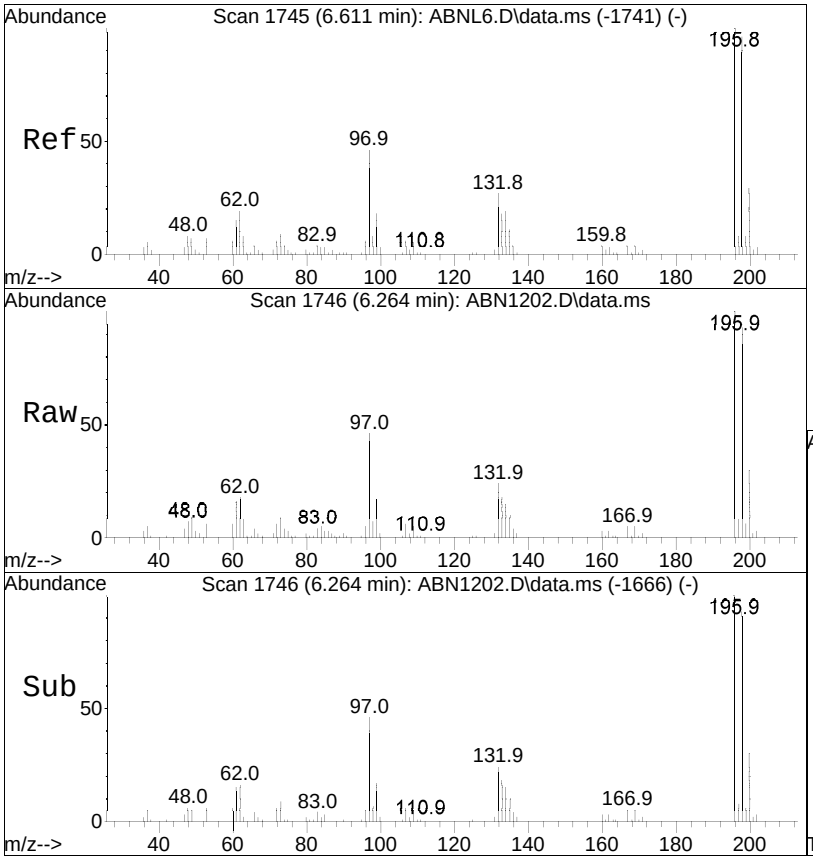


#44
2,4,6-Trichlorophenol
Concen: 5.59 ug/ml
RT: 6.236 min Scan# 1737
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:196 Resp: 41937

Ion	Ratio	Lower	Upper
196	100		
198	102.7	77.5	116.3
200	32.0	23.8	35.6

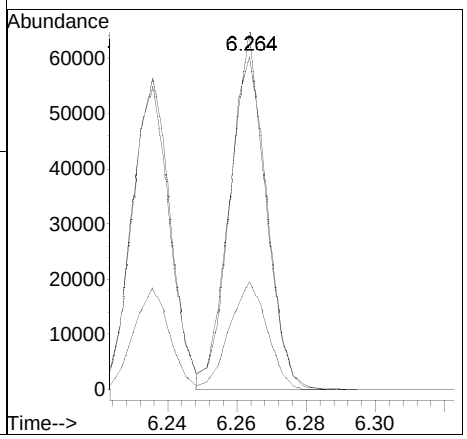


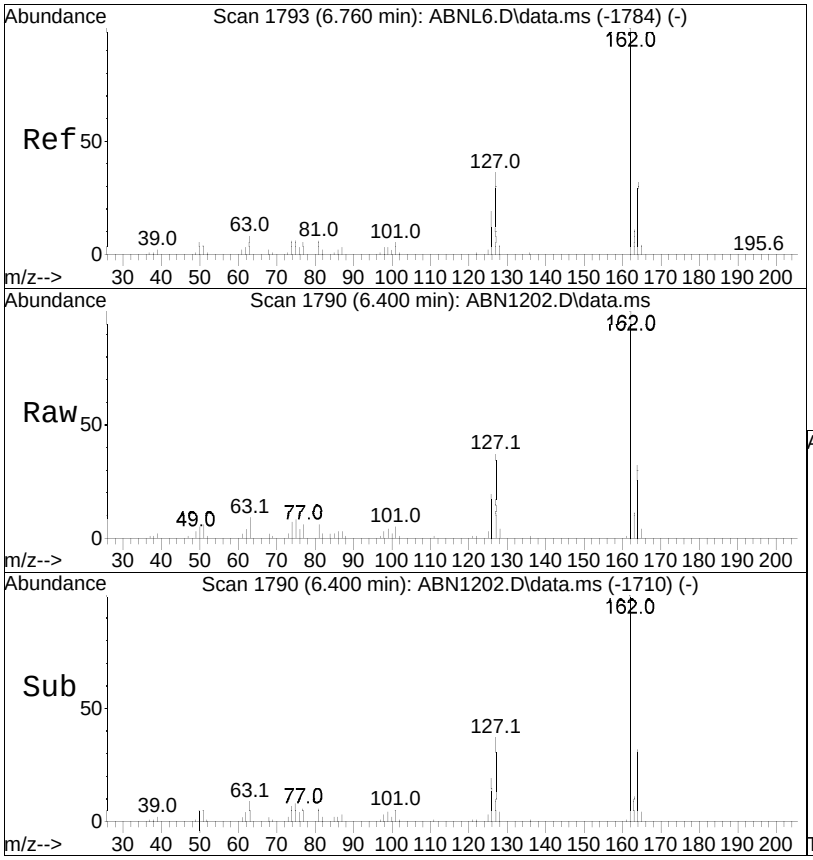


#45
2,4,5-Trichlorophenol
Concen: 5.46 ug/ml
RT: 6.264 min Scan# 1746
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:196 Resp: 45998

Ion	Ratio	Lower	Upper
196	100		
200	32.3	25.4	38.0
198	99.7	78.0	117.0

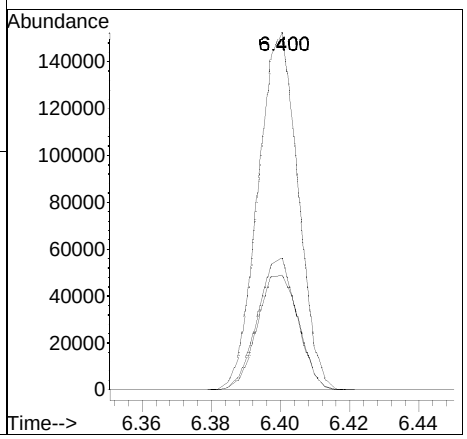


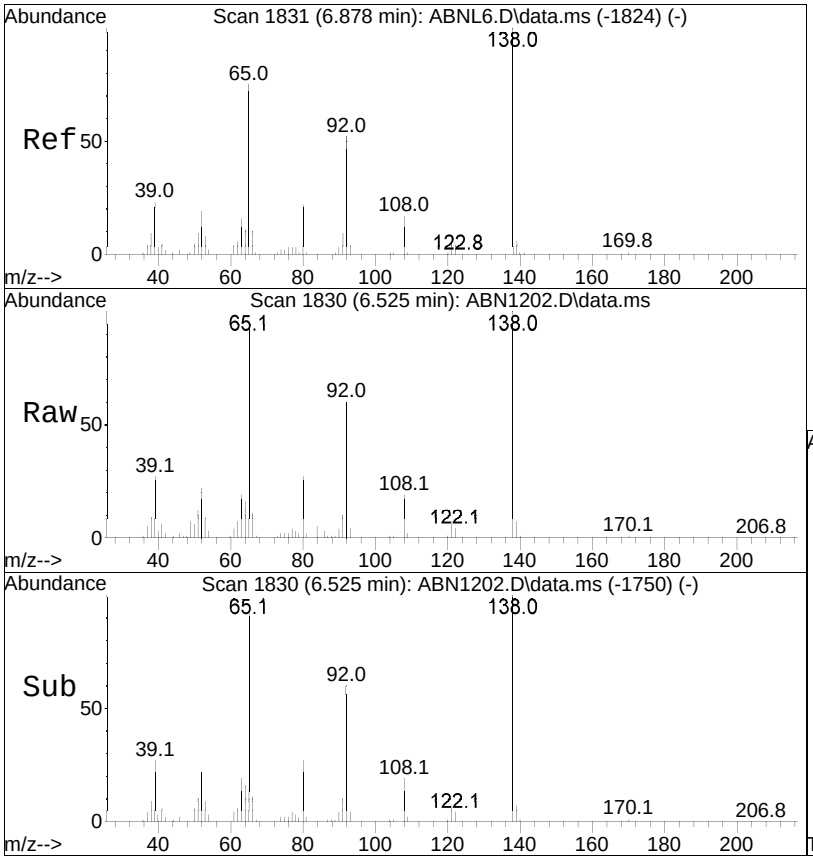


#47
2-Chloronaphthalene
Concen: 4.76 ug/ml
RT: 6.400 min Scan# 1790
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:162 Resp: 121563

Ion	Ratio	Lower	Upper
162	100		
127	36.5	32.2	48.4
164	33.8	25.7	38.5

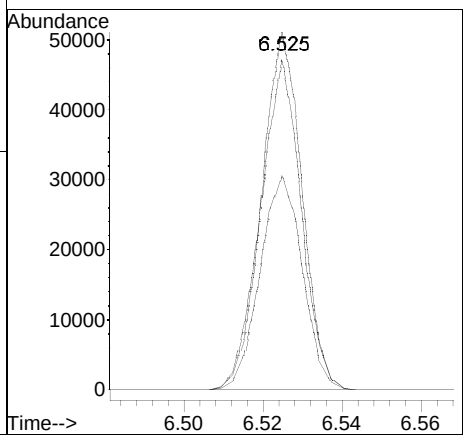


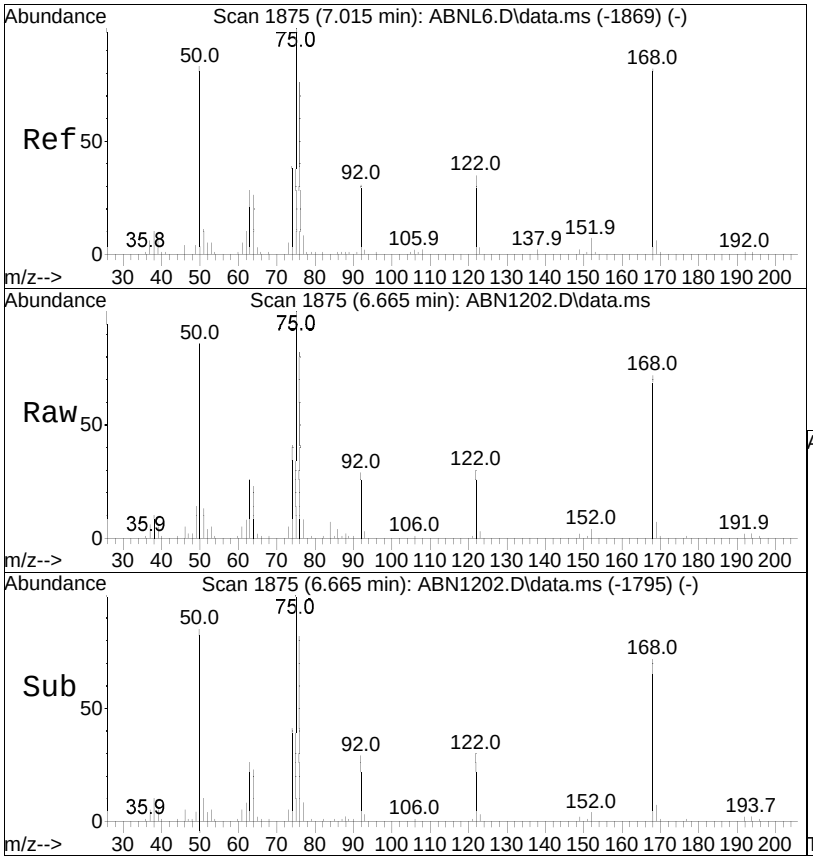


#48
2-Nitroaniline
Concen: 4.96 ug/ml
RT: 6.525 min Scan# 1830
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:138 Resp: 35950

Ion	Ratio	Lower	Upper
138	100		
92	62.7	53.5	80.3
65	93.1	86.3	129.5

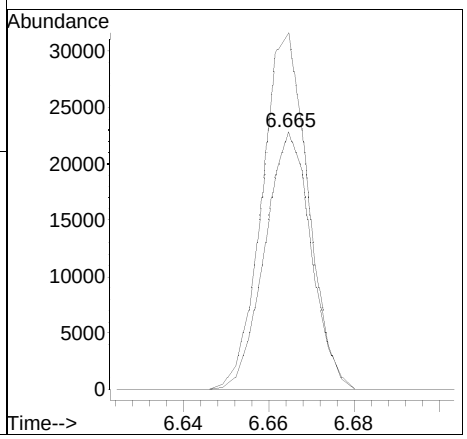


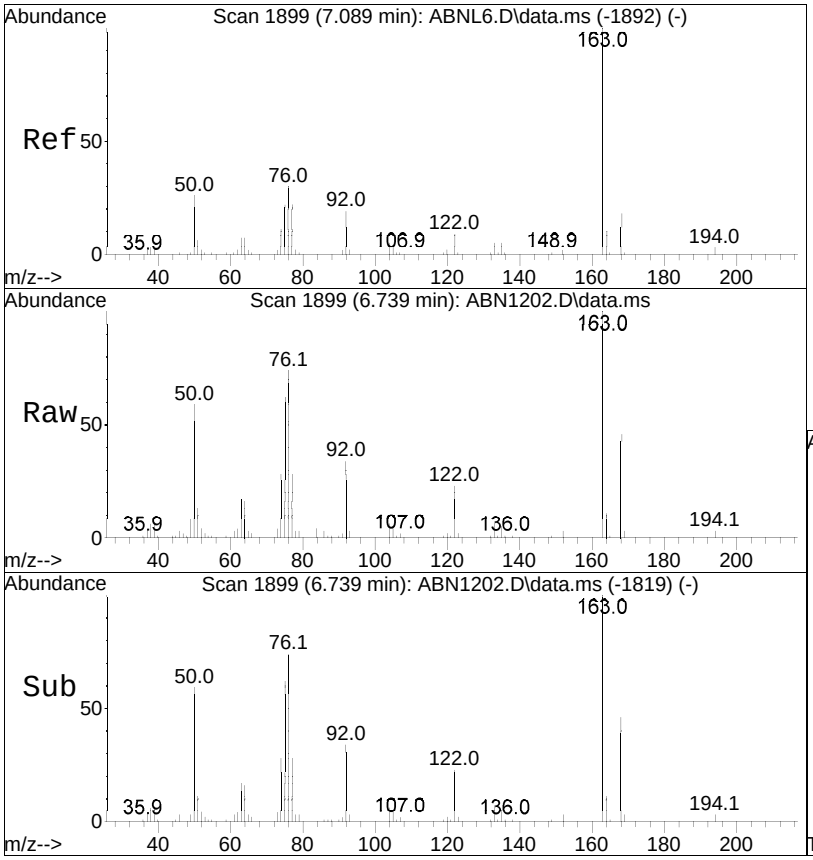


#49
1,4-Dinitrobenzene
Concen: 5.04 ug/ml
RT: 6.665 min Scan# 1875
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:168 Resp: 17209

Ion	Ratio	Lower	Upper
168	100		
75	137.4	121.8	182.8

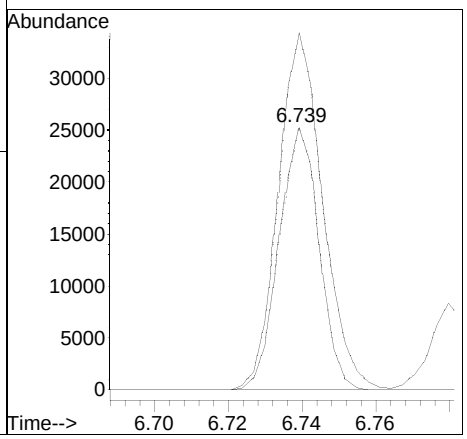


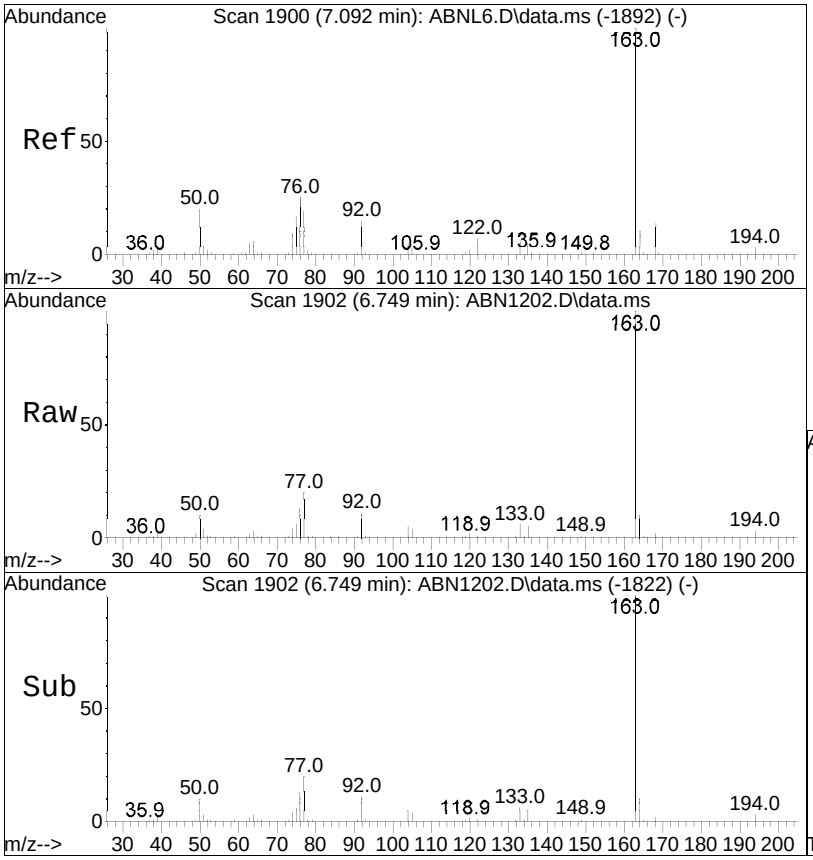


#50
1,3-Dinitrobenzene
Concen: 4.81 ug/ml M3
RT: 6.739 min Scan# 1899
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:168 Resp: 18913

Ion	Ratio	Lower	Upper
168	100		
75	151.3	22.7	34.1#

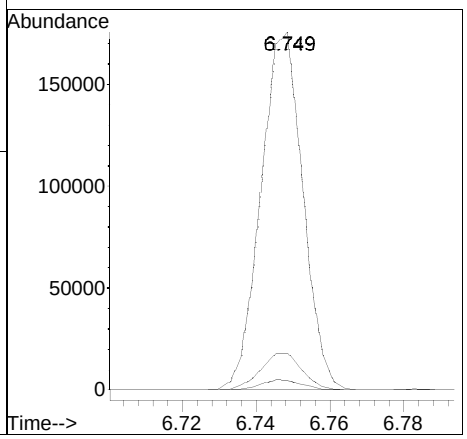


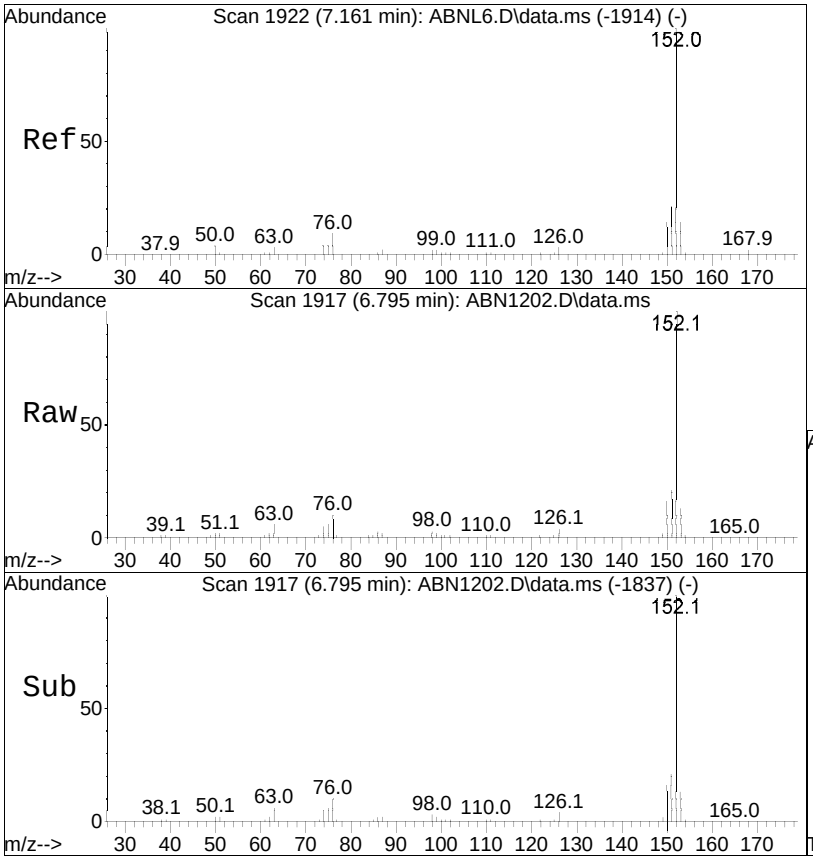


#51
Dimethyl phthalate
Concen: 4.55 ug/ml
RT: 6.749 min Scan# 1902
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:163 Resp: 137160

Ion	Ratio	Lower	Upper
163	100		
194	2.8	3.5	5.3#
164	10.4	7.9	11.9

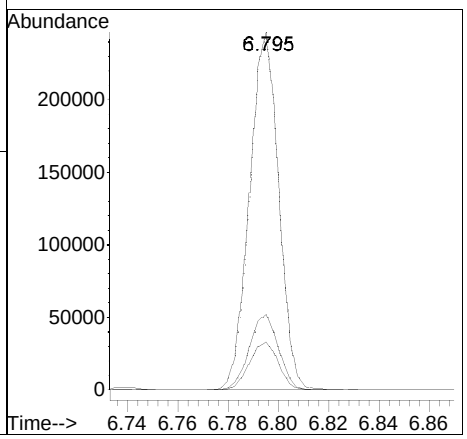


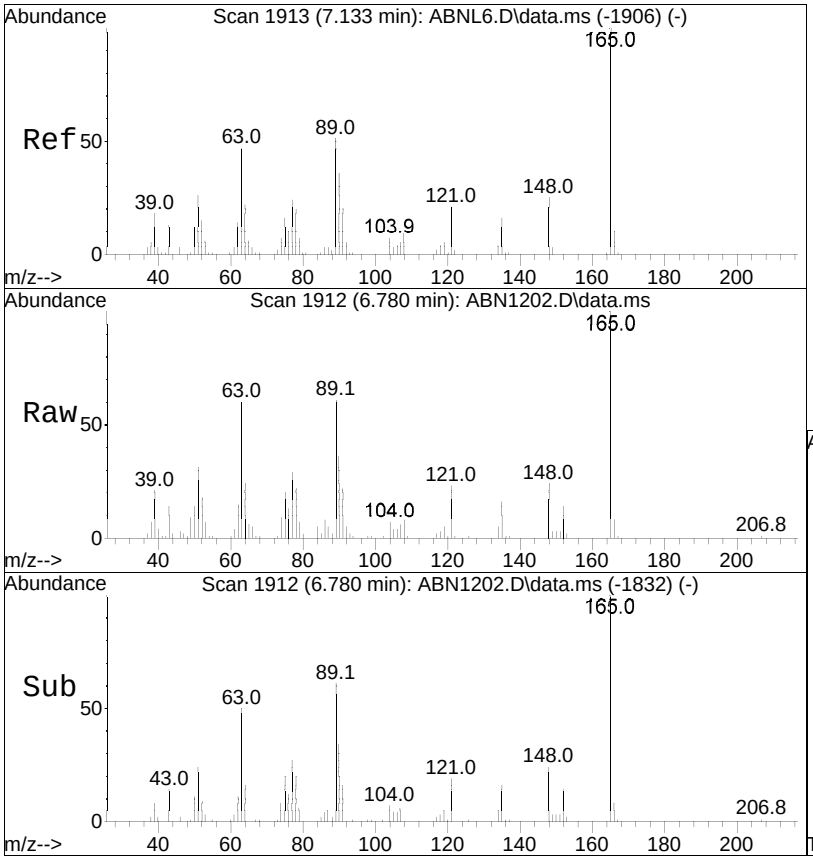


#52
Acenaphthylene
Concen: 4.77 ug/ml
RT: 6.795 min Scan# 1917
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:152 Resp: 196334

Ion	Ratio	Lower	Upper
152	100		
151	21.2	15.8	23.6
153	13.5	10.5	15.7

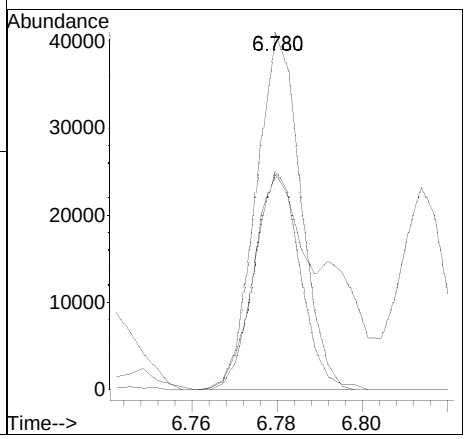


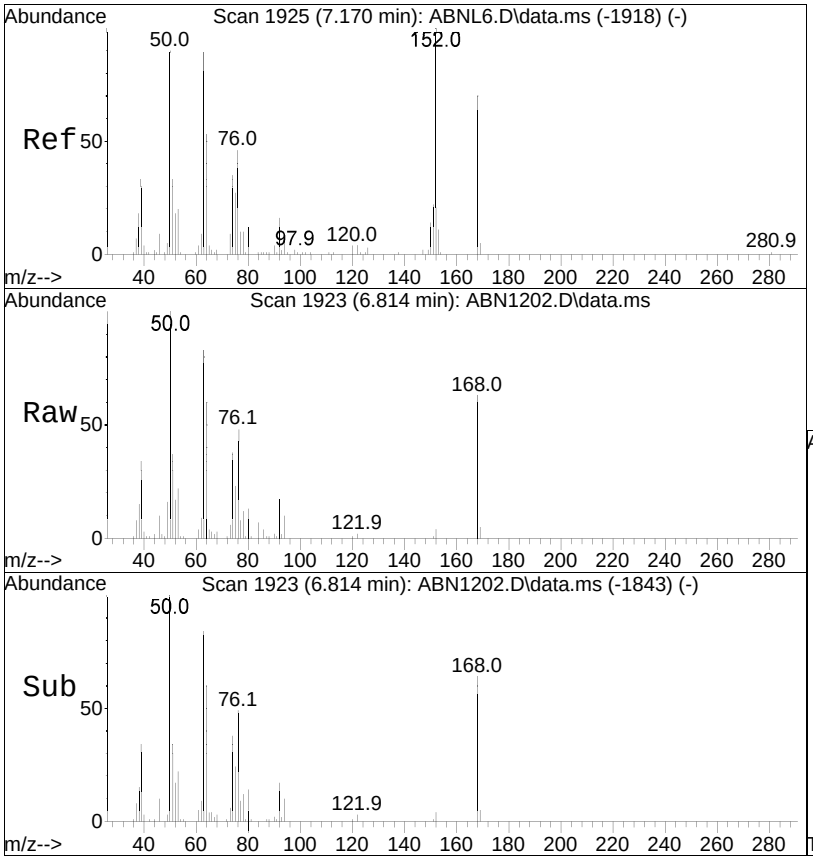


#53
2,6-Dinitrotoluene
Concen: 5.09 ug/ml
RT: 6.780 min Scan# 1912
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:165 Resp: 29890

Ion	Ratio	Lower	Upper
165	100		
89	62.6	54.2	81.2
63	101.0	64.2	96.2#

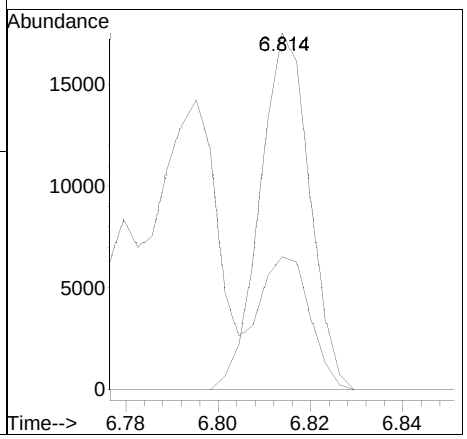


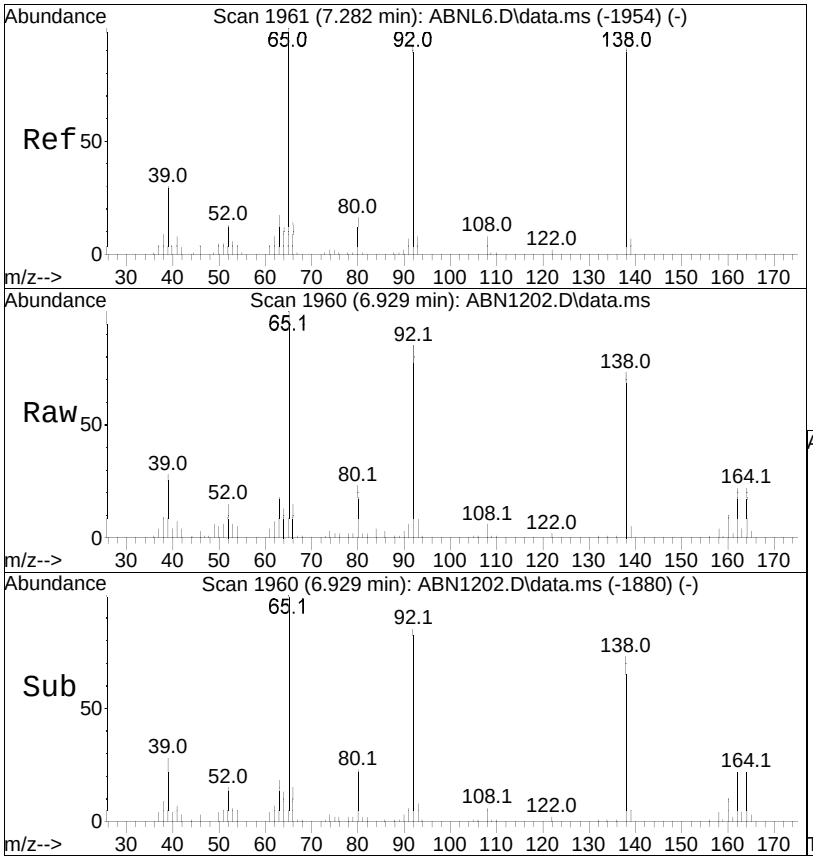


#54
1,2-Dinitrobenzene
Concen: 5.10 ug/ml
RT: 6.814 min Scan# 1923
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:168 Resp: 13037

Ion	Ratio	Lower	Upper
168	100		
75	38.2	30.9	46.3

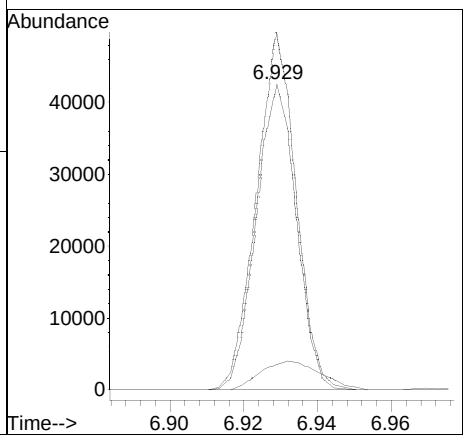


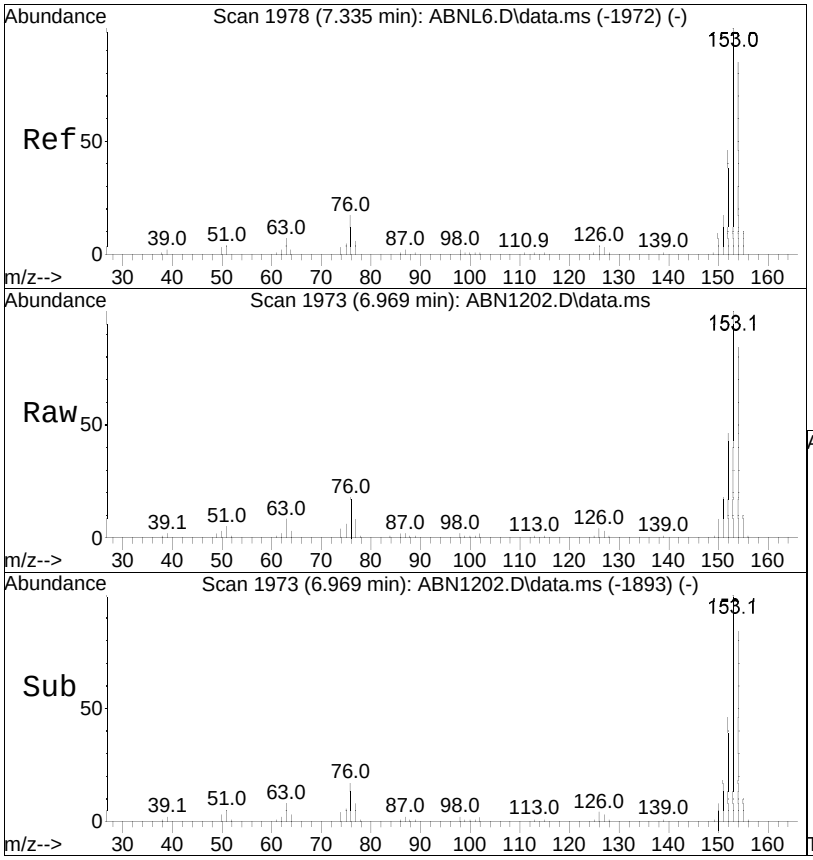


#64
3-Nitroaniline
Concen: 4.47 ug/ml
RT: 6.929 min Scan# 1960
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:138 Resp: 31847

Ion	Ratio	Lower	Upper
138	100		
92	115.1	93.4	140.2
108	14.1	9.5	14.3

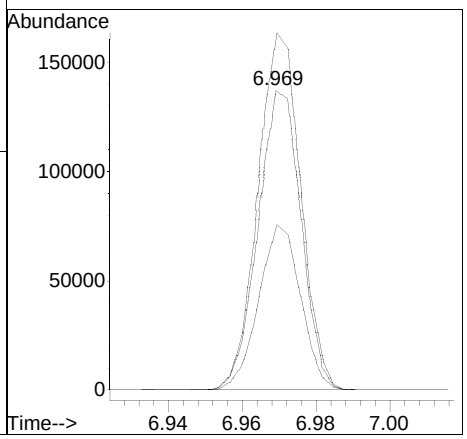


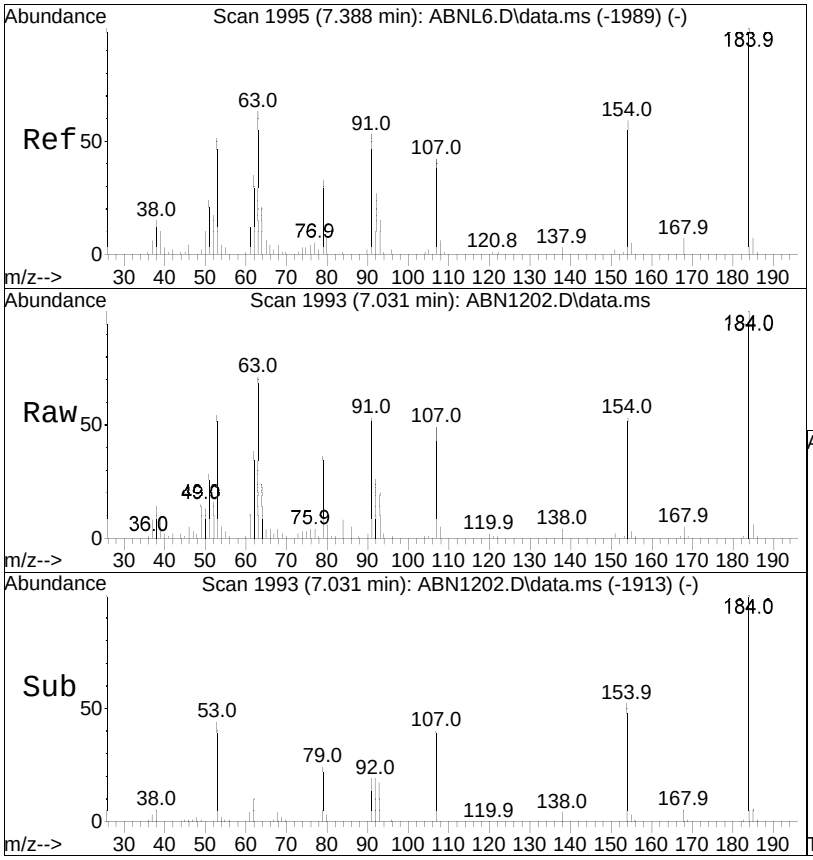


#65
Acenaphthene
Concen: 4.69 ug/ml
RT: 6.969 min Scan# 1973
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:154 Resp: 110919

Ion	Ratio	Lower	Upper
154	100		
153	118.7	85.3	127.9
152	54.0	41.4	62.0

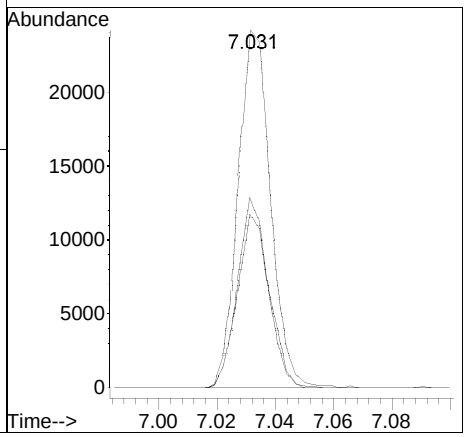


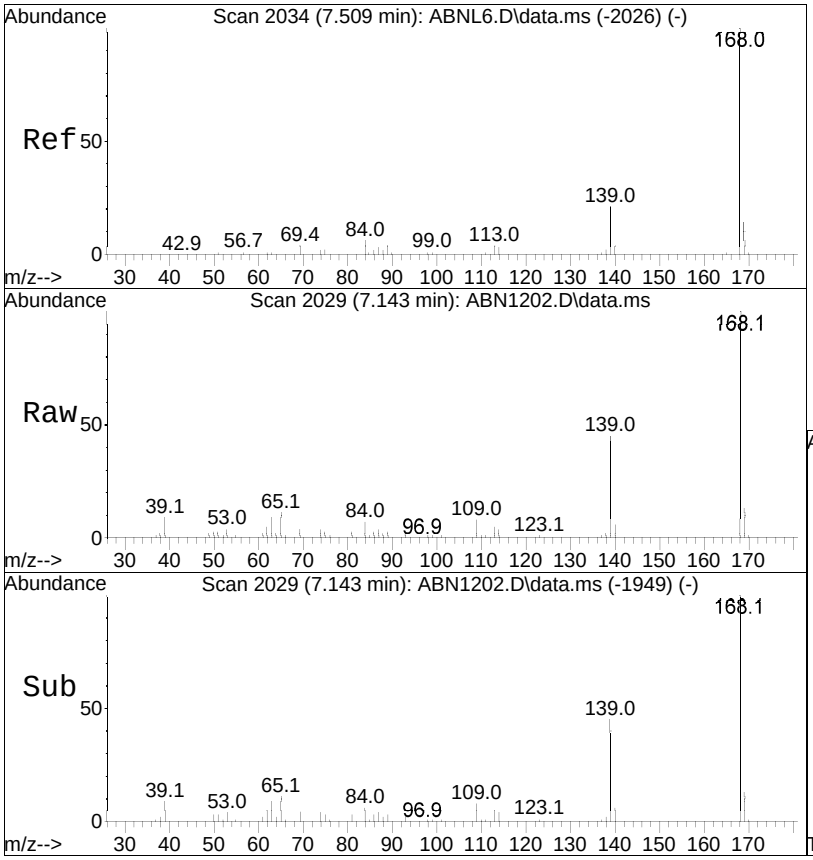


#66
2,4-Dinitrophenol
Concen: 5.41 ug/ml
RT: 7.031 min Scan# 1993
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:184 Resp: 18652

Ion	Ratio	Lower	Upper
184	100		
107	47.3	37.7	56.5
91	50.7	46.3	69.5

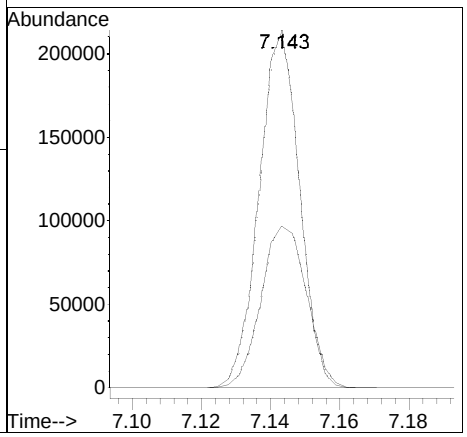


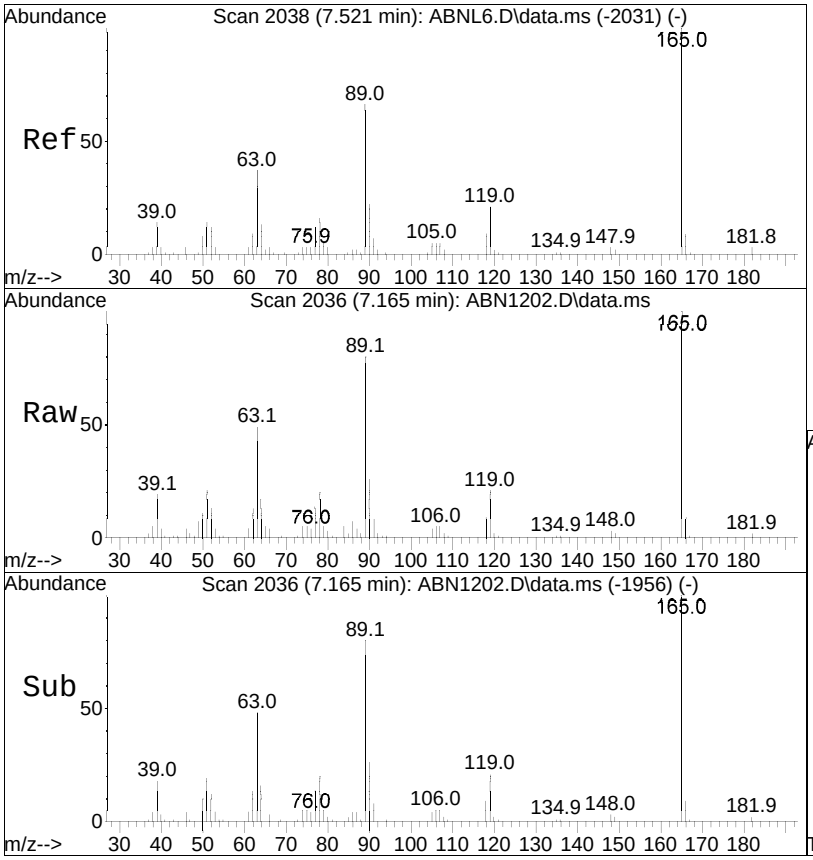


#67
Dibenzofuran
Concen: 4.46 ug/ml
RT: 7.143 min Scan# 2029
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:168 Resp: 171170

Ion	Ratio	Lower	Upper
168	100		
139	51.8	31.4	47.2#

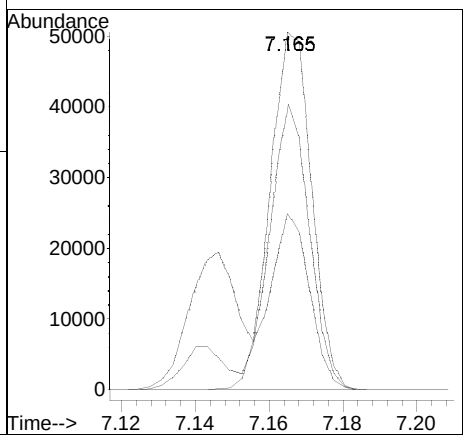


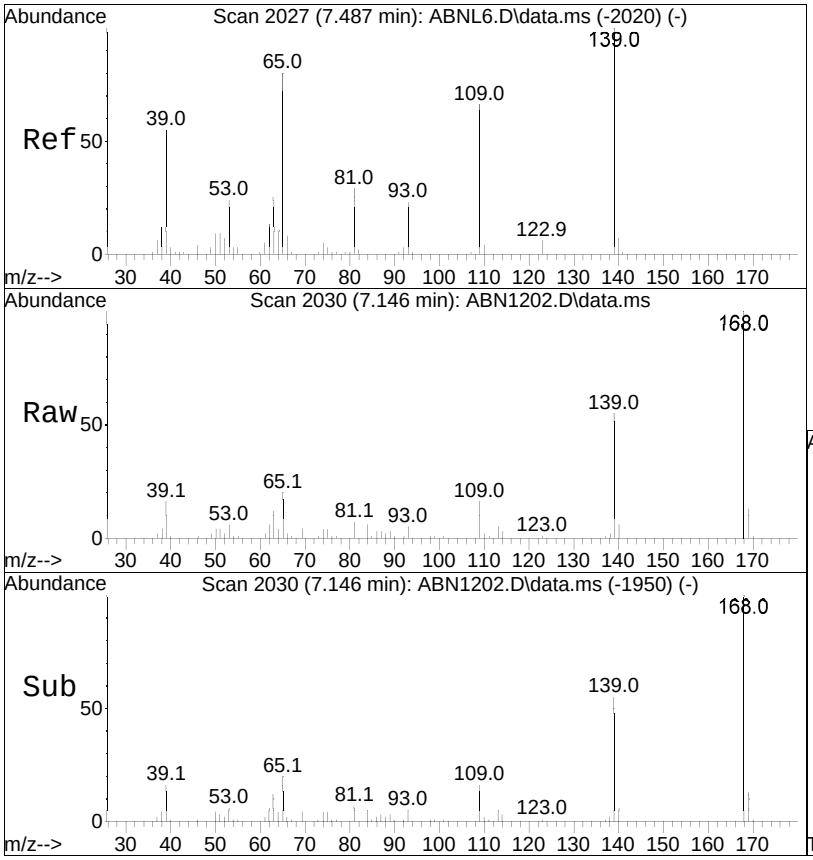


#68
2,4-Dinitrotoluene
Concen: 4.95 ug/ml
RT: 7.165 min Scan# 2036
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:165 Resp: 39621

Ion	Ratio	Lower	Upper
165	100		
89	75.6	72.0	108.0
63	45.1	52.7	79.1#

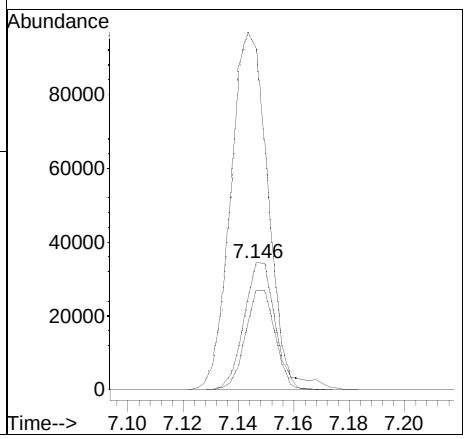


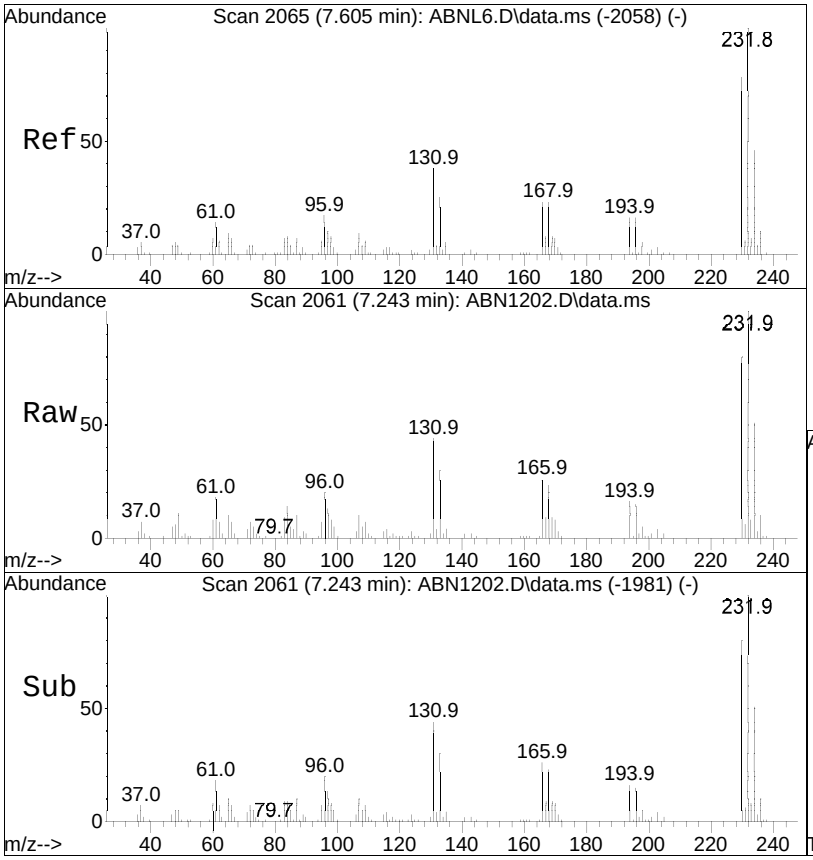


#69
4-Nitrophenol
Concen: 5.74 ug/ml
RT: 7.146 min Scan# 2030
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion: 65 Resp: 28499

Ion	Ratio	Lower	Upper
65	100		
109	70.8	47.4	71.2
139	310.8	76.6	115.0#

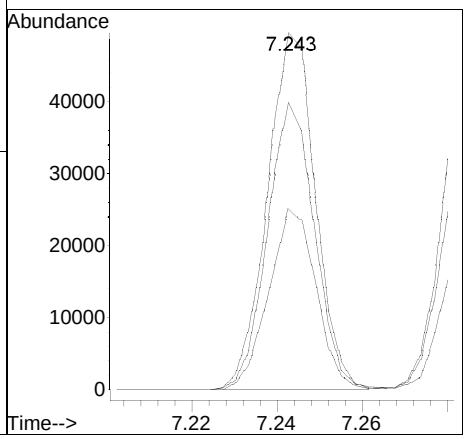


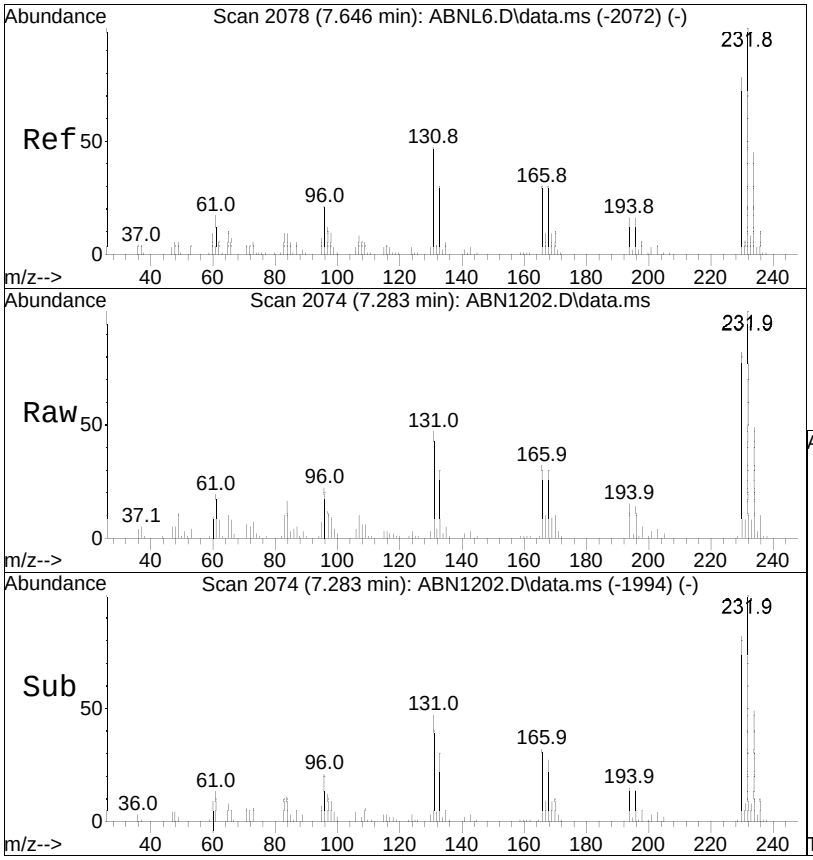


#70
2,3,5,6-Tetrachlorophenol
Concen: 5.50 ug/ml M3
RT: 7.243 min Scan# 2061
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:232 Resp: 38940

Ion	Ratio	Lower	Upper
232	100		
230	78.9	64.2	96.4
234	49.9	38.1	57.1

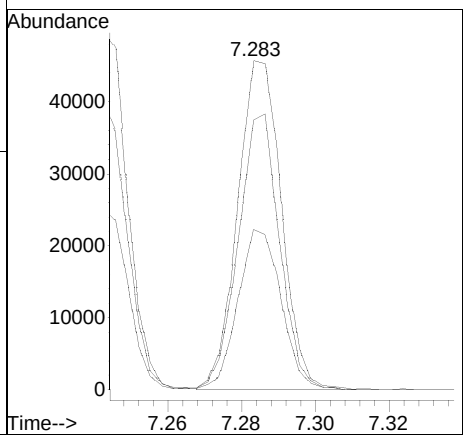


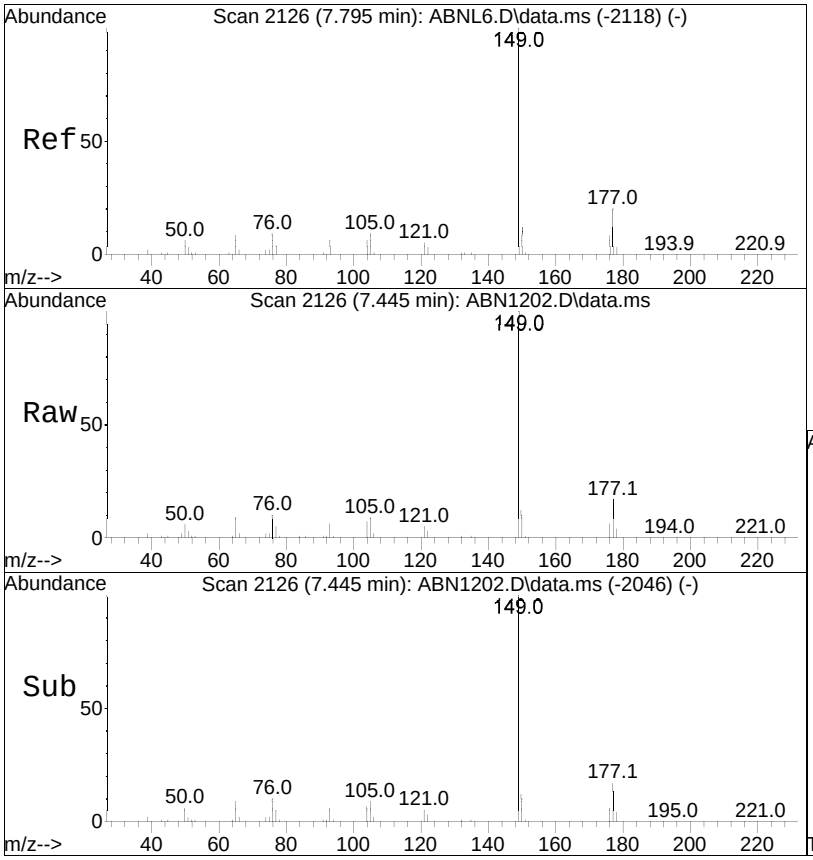


#71
2,3,4,6-Tetrachlorophenol
Concen: 5.50 ug/ml
RT: 7.283 min Scan# 2074
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:232 Resp: 37836

Ion	Ratio	Lower	Upper
232	100		
230	79.1	61.8	92.8
234	47.9	36.2	54.2

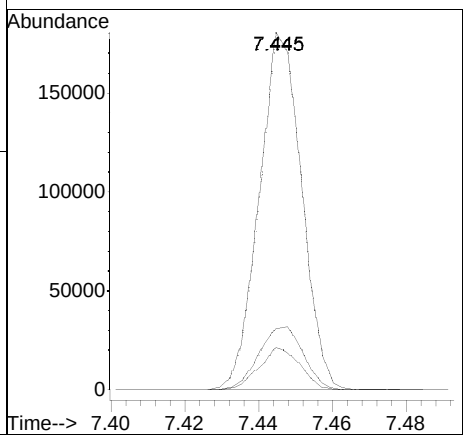


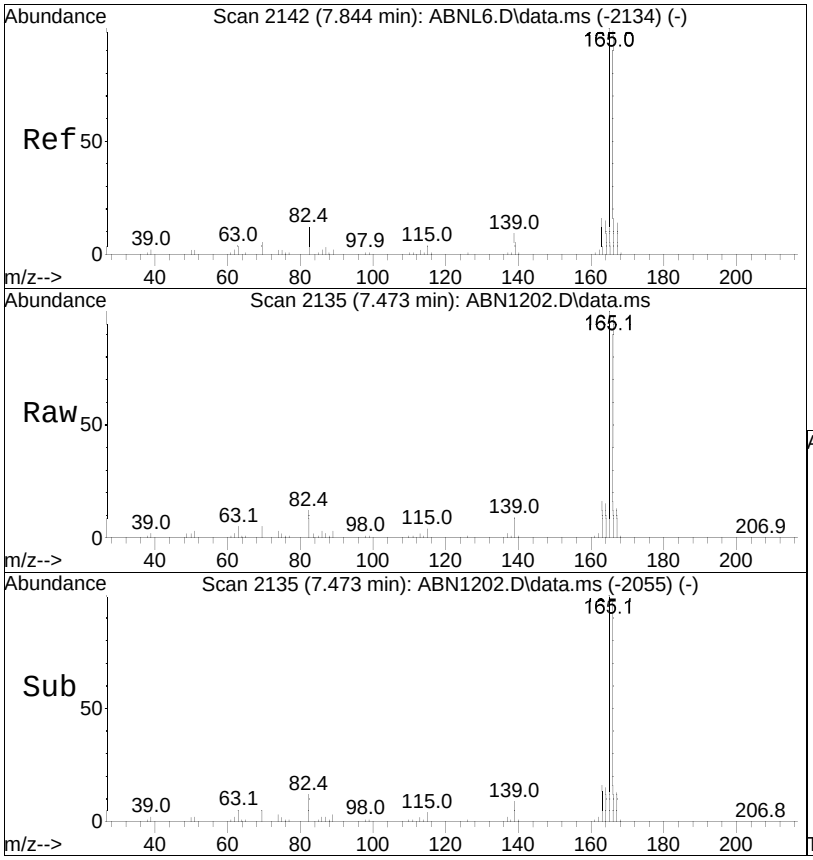


#72
Diethyl phthalate
Concen: 4.51 ug/ml
RT: 7.445 min Scan# 2126
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:149 Resp: 142606

Ion	Ratio	Lower	Upper
149	100		
177	18.8	16.1	24.1
150	11.7	9.4	14.2

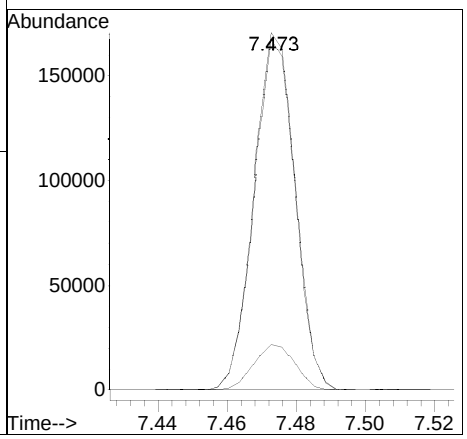


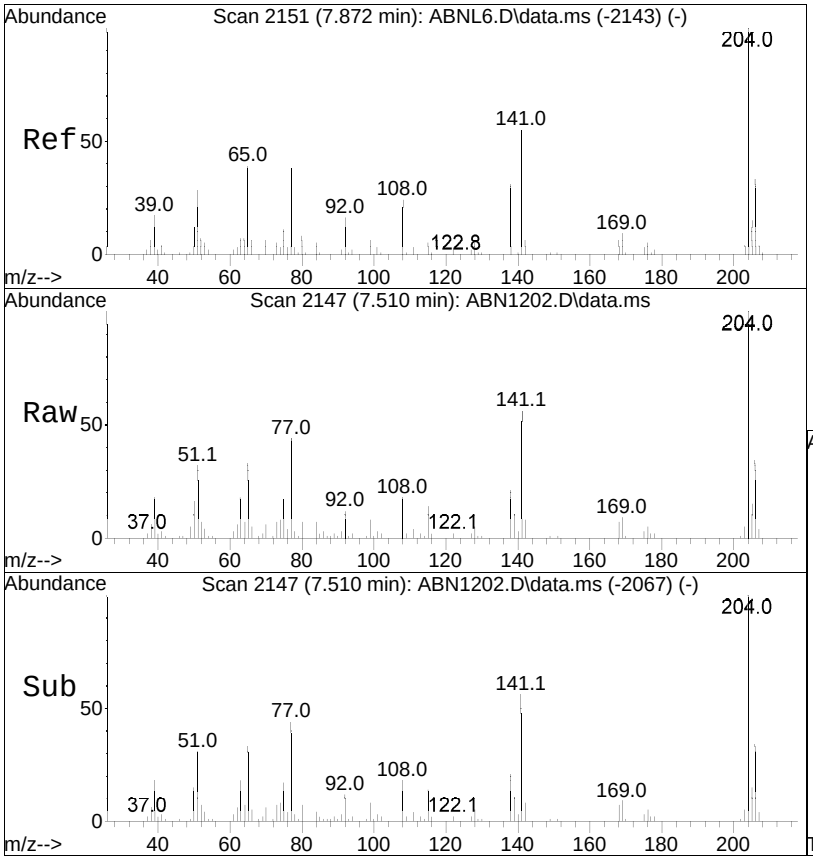


#73
Fluorene
Concen: 4.56 ug/ml
RT: 7.473 min Scan# 2135
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:166 Resp: 137334

Ion	Ratio	Lower	Upper
166	100		
165	103.1	76.2	114.2
167	13.3	10.6	15.8

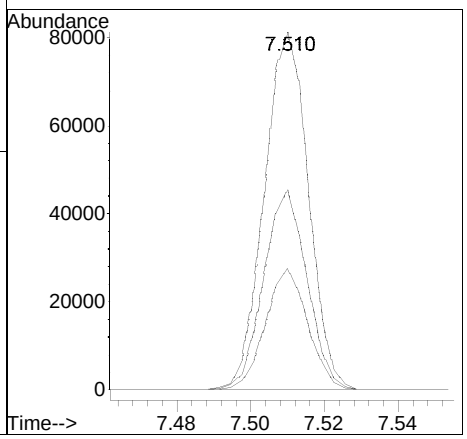


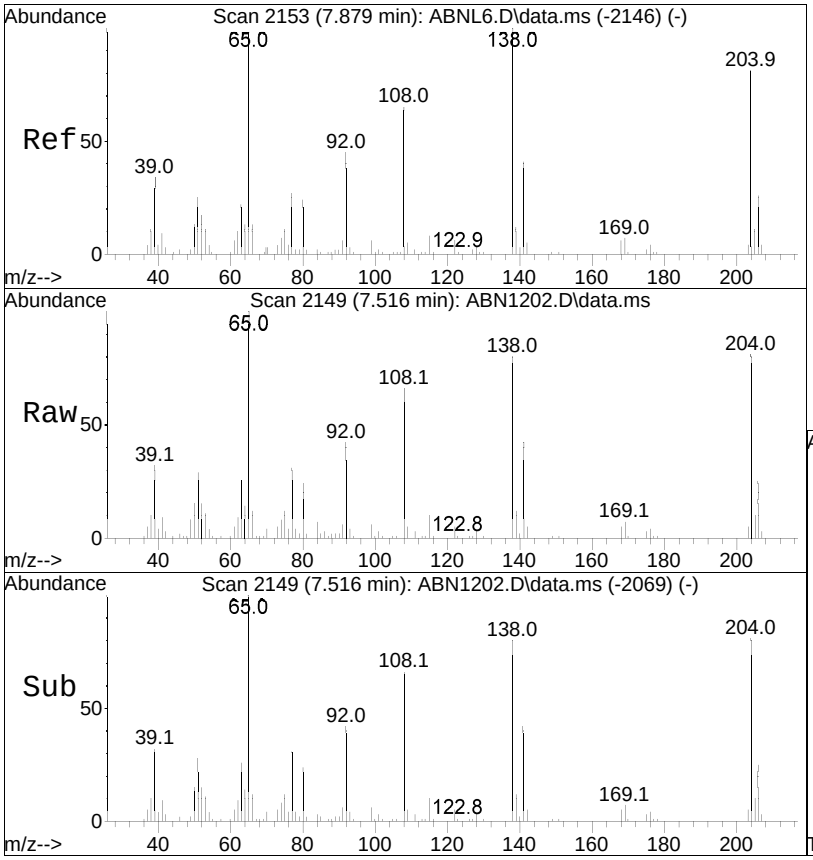


#74
4-Chlorophenyl phenyl ether
Concen: 4.67 ug/ml
RT: 7.510 min Scan# 2147
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:204 Resp: 66967

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.8	38.6
141	54.9	53.6	80.4

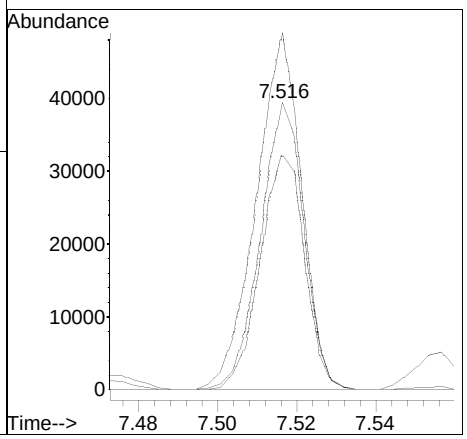


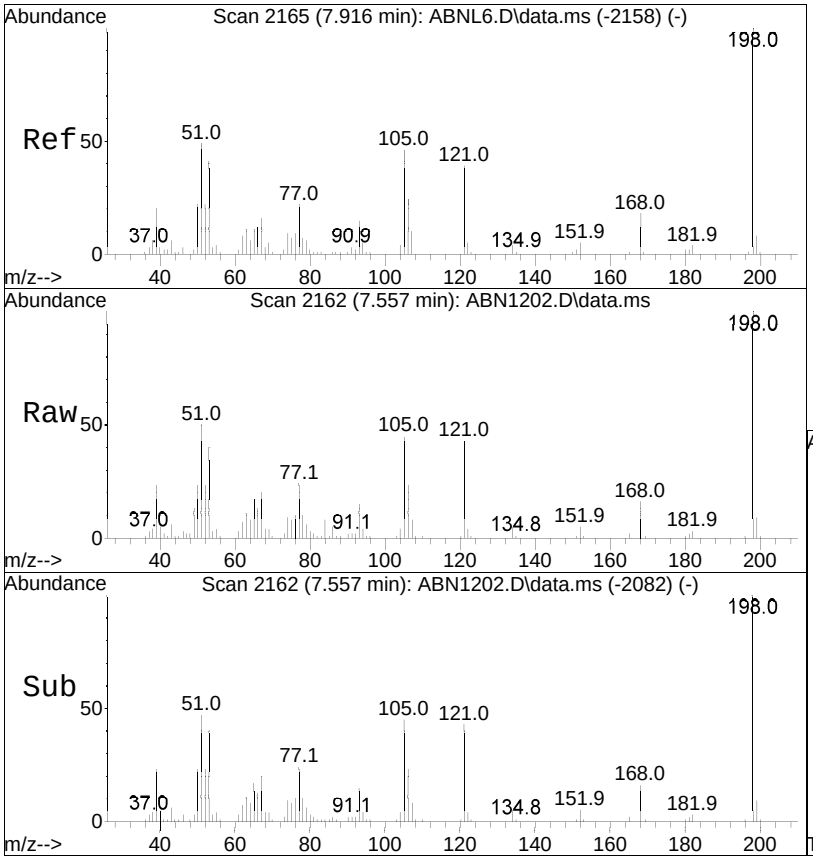


#75
4-Nitroaniline
Concen: 4.25 ug/ml
RT: 7.516 min Scan# 2149
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:138 Resp: 29815

Ion	Ratio	Lower	Upper
138	100		
108	83.7	52.1	78.1#
65	130.3	115.0	172.6

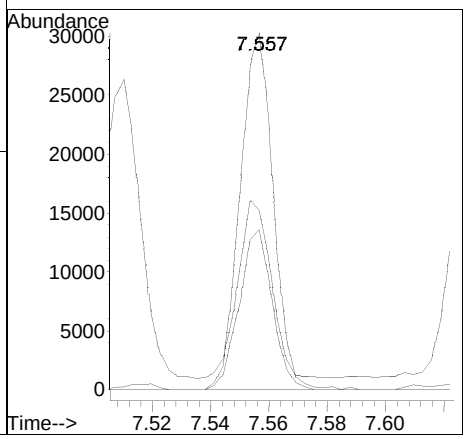


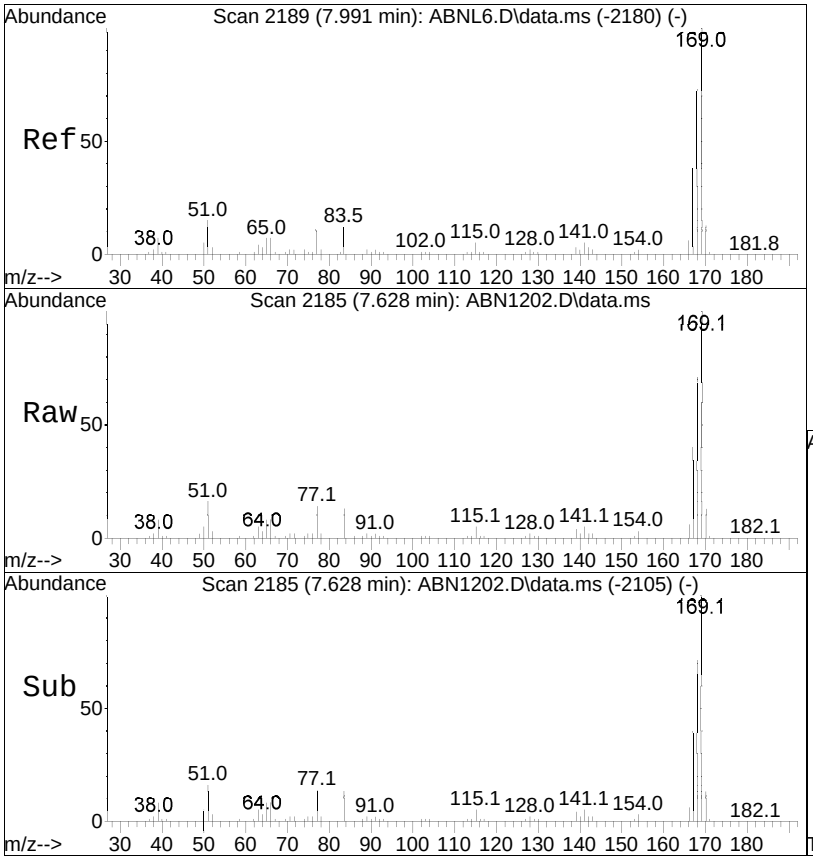


#76
4,6-Dinitro-o-cresol
Concen: 5.37 ug/ml
RT: 7.557 min Scan# 2162
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:198 Resp: 23913

Ion	Ratio	Lower	Upper
198	100		
51	51.1	76.0	114.0#
105	44.8	45.6	68.4#

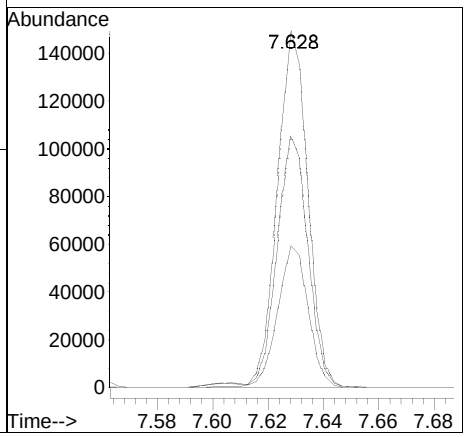


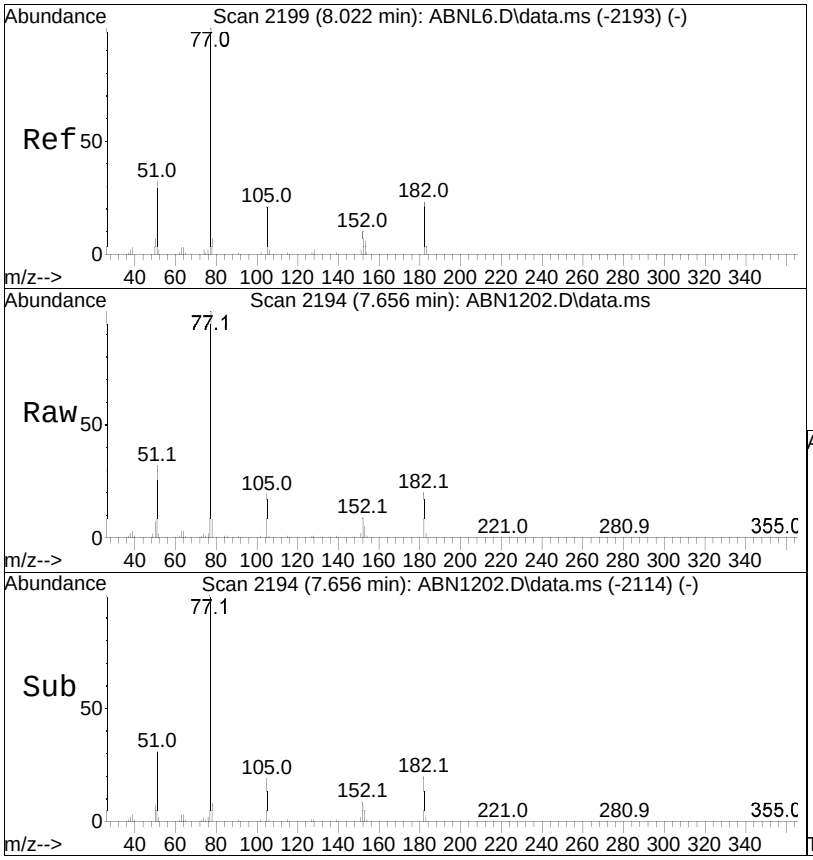


#77
NDPA/DPA
Concen: 4.53 ug/ml
RT: 7.628 min Scan# 2185
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:169 Resp: 114097

Ion	Ratio	Lower	Upper
169	100		
168	71.4	54.0	81.0
167	39.8	28.6	42.8

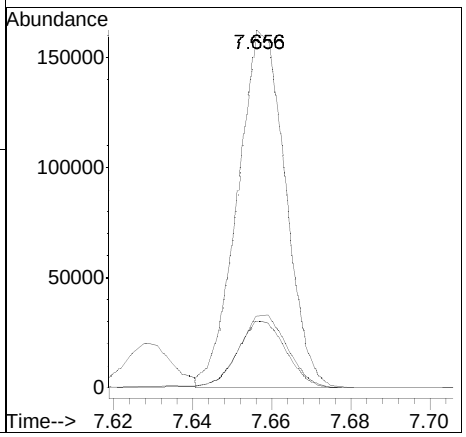


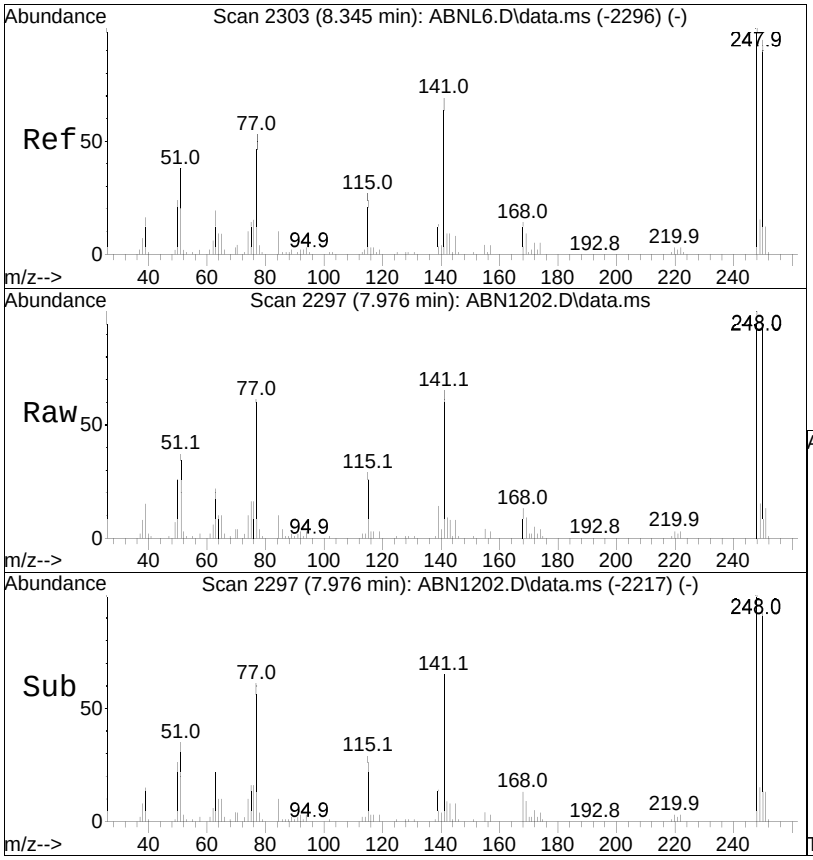


#78
Azobenzene
Concen: 5.10 ug/ml
RT: 7.656 min Scan# 2194
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion: 77 Resp: 135258

Ion	Ratio	Lower	Upper
77	100		
182	21.0	17.4	26.2
105	19.7	15.4	23.2

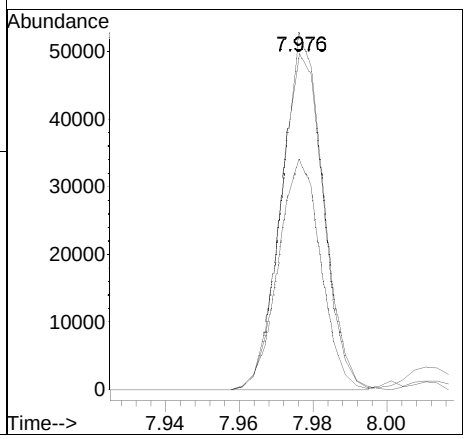


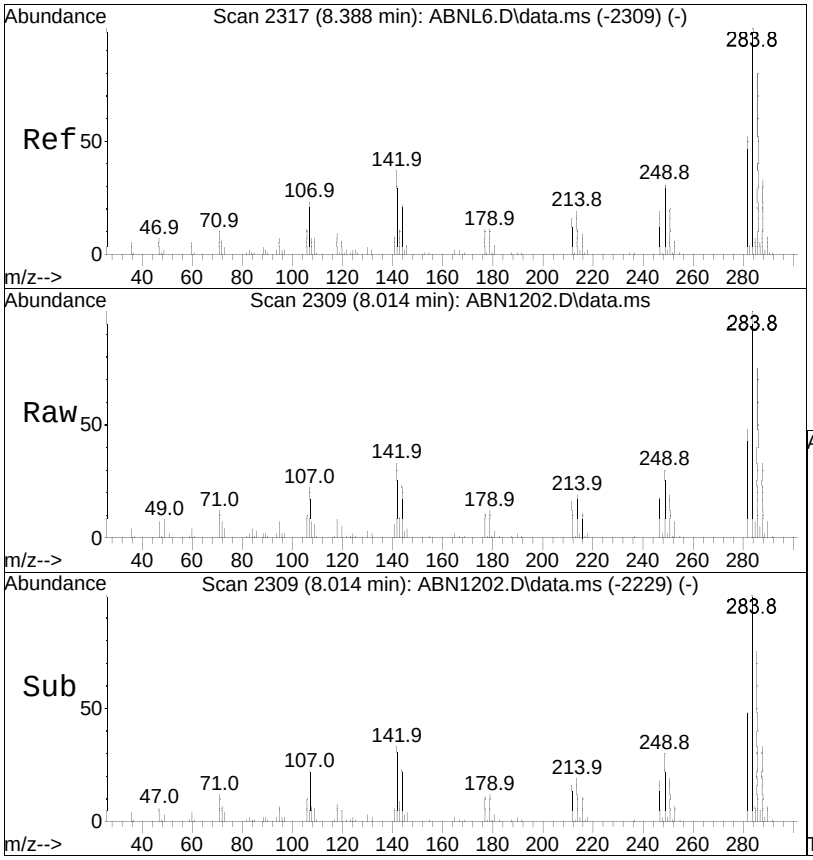


#80
4-Bromophenyl phenyl ether
Concen: 4.64 ug/ml M3
RT: 7.976 min Scan# 2297
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:248 Resp: 41052

Ion	Ratio	Lower	Upper
248	100		
141	66.1	76.6	114.8#
250	96.5	77.3	115.9

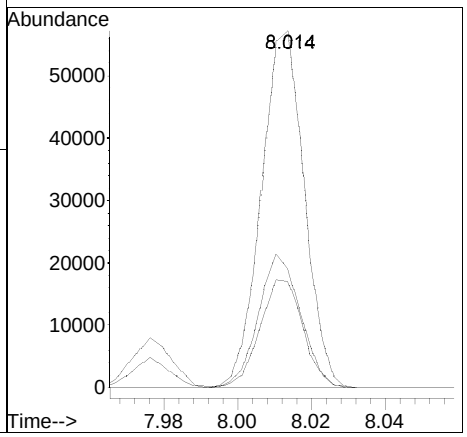


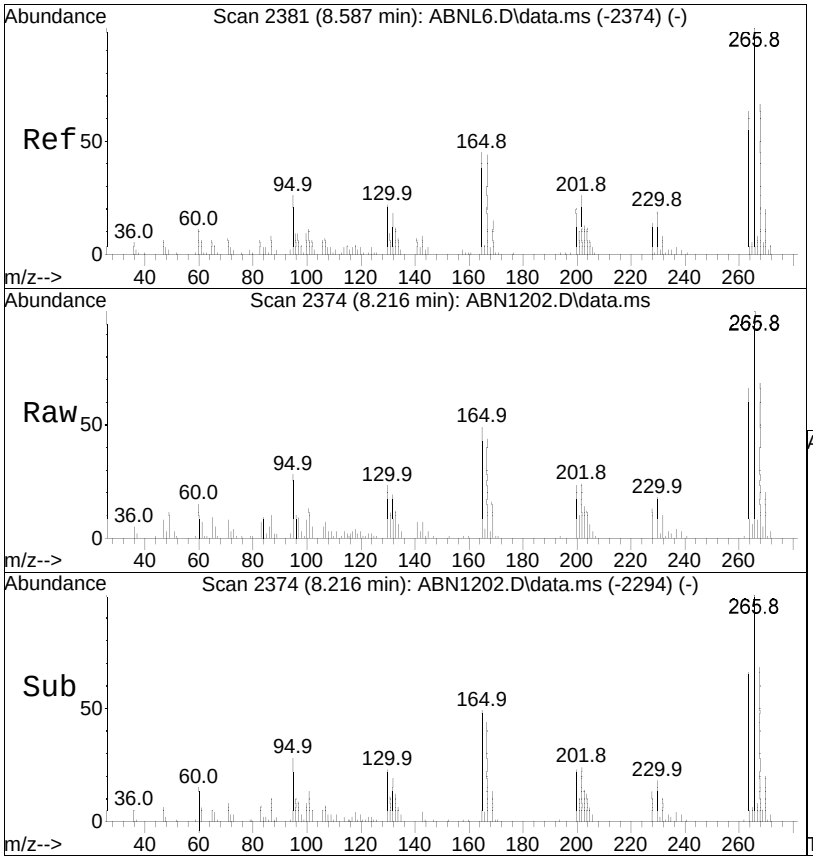


#81
Hexachlorobenzene
Concen: 4.68 ug/ml
RT: 8.014 min Scan# 2309
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:284 Resp: 46297

Ion	Ratio	Lower	Upper
284	100		
142	36.8	41.9	62.9#
249	30.5	24.1	36.1

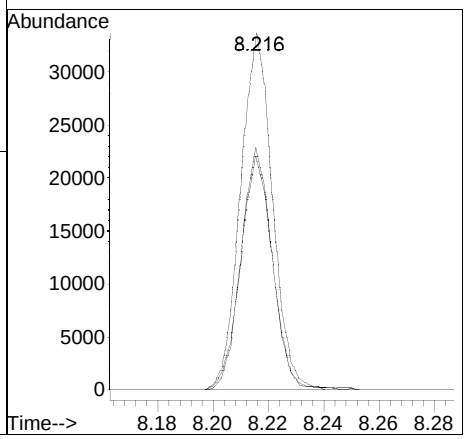


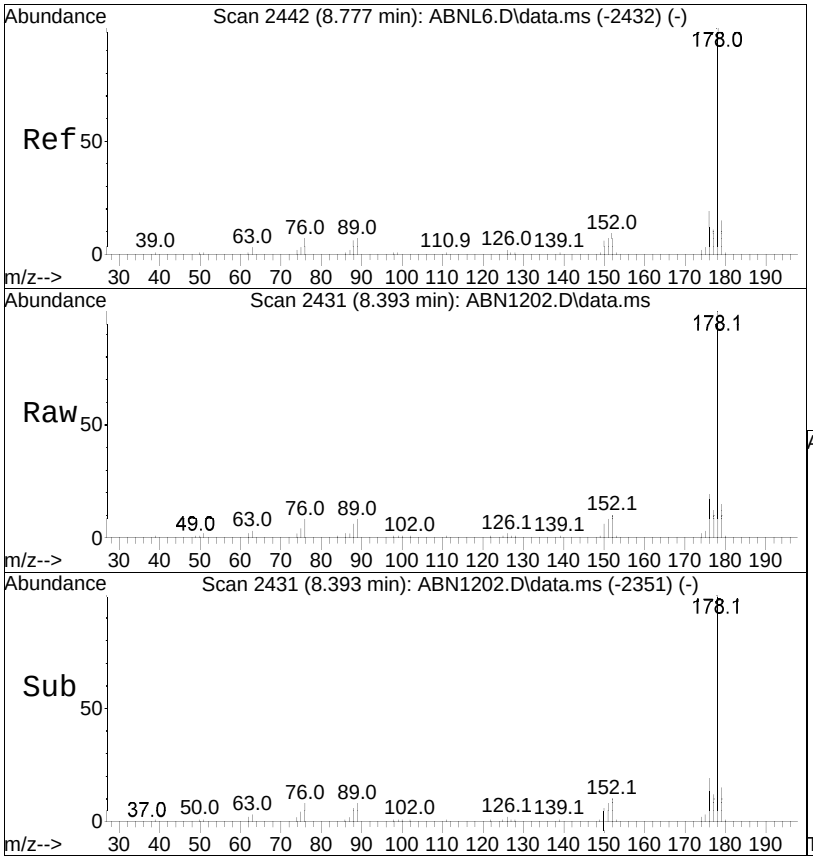


#82
Pentachlorophenol
Concen: 4.65 ug/ml
RT: 8.216 min Scan# 2374
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:266 Resp: 27071

Ion	Ratio	Lower	Upper
266	100		
264	65.2	49.7	74.5
268	66.4	50.5	75.7

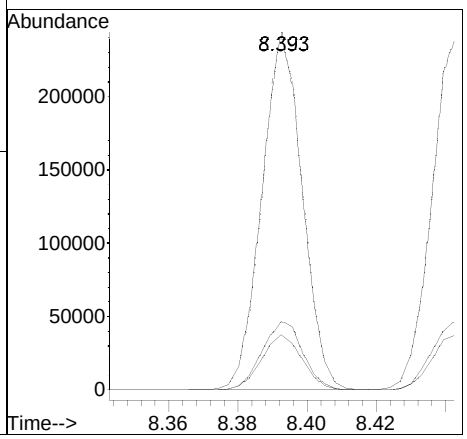


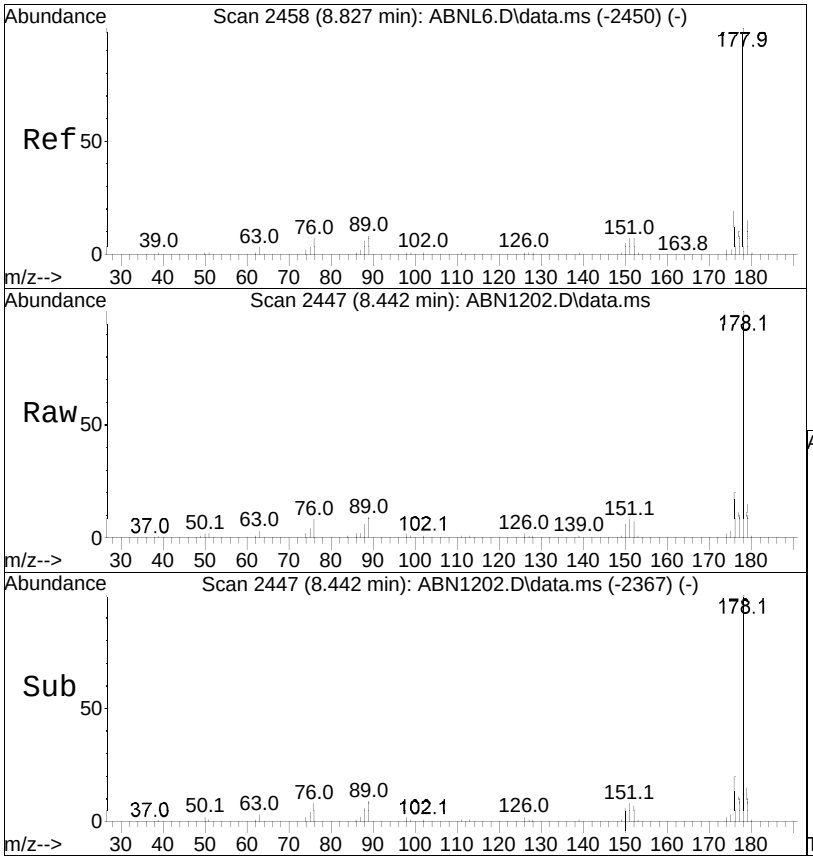


#89
Phenanthrene
Concen: 4.46 ug/ml M3
RT: 8.393 min Scan# 2431
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:178 Resp: 197416

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.2	18.2
176	19.4	15.4	23.2

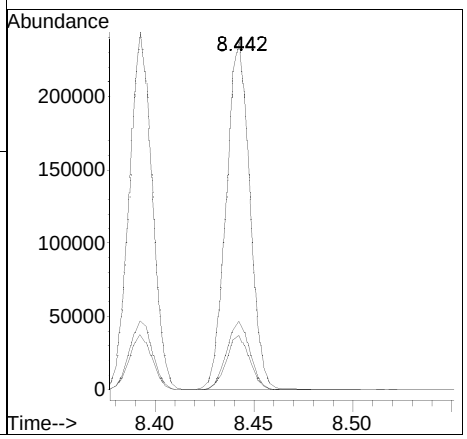


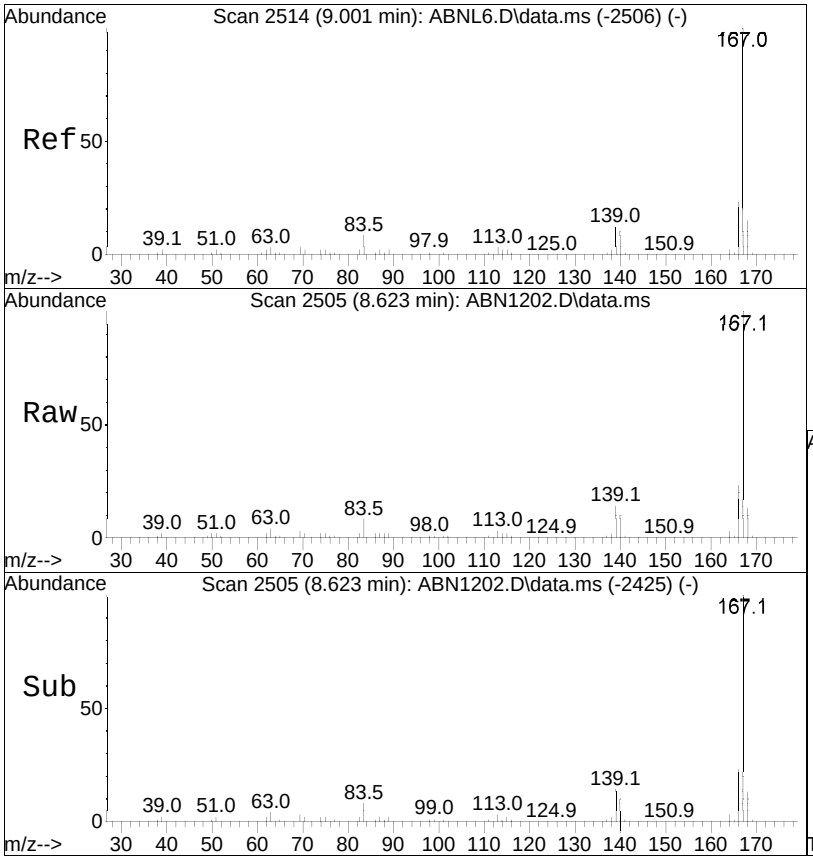


#90
Anthracene
Concen: 4.56 ug/ml
RT: 8.442 min Scan# 2447
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:178 Resp: 197766

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.0	18.0
176	19.5	14.6	22.0

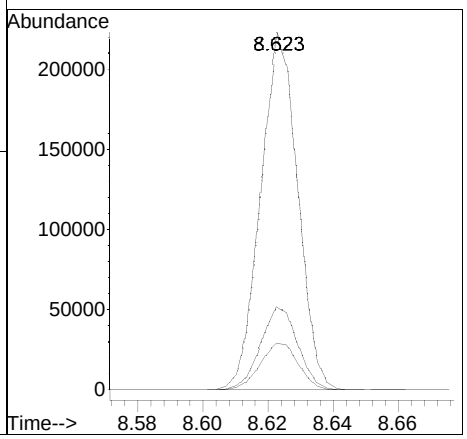


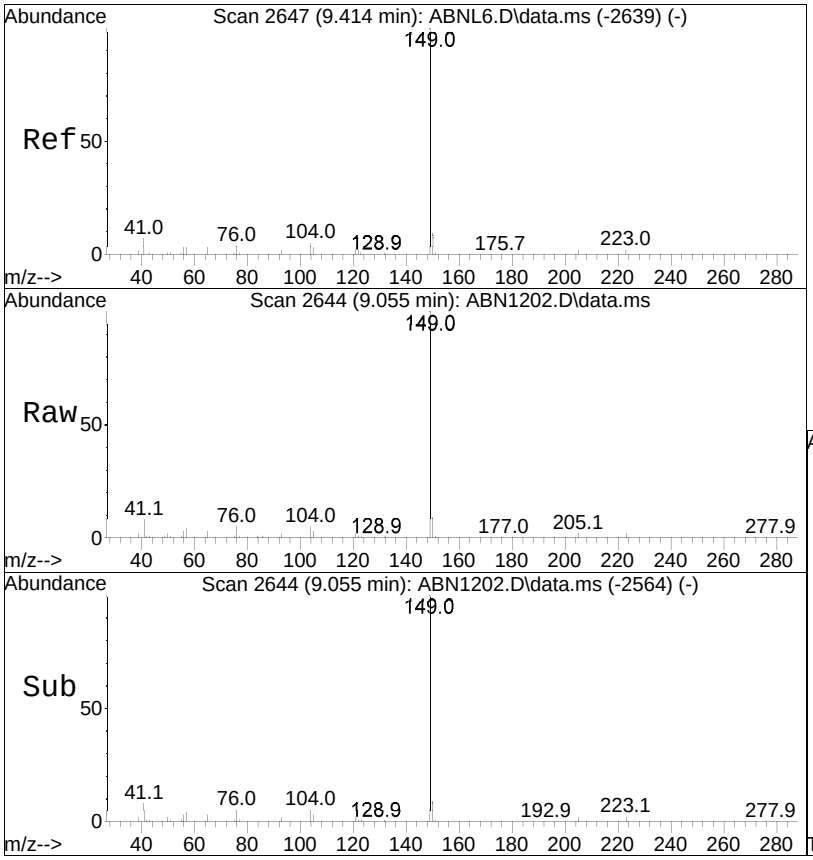


#91
Carbazole
Concen: 4.39 ug/ml
RT: 8.623 min Scan# 2505
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:167 Resp: 174746

Ion	Ratio	Lower	Upper
167	100		
168	13.6	10.6	15.8
166	23.4	17.4	26.0

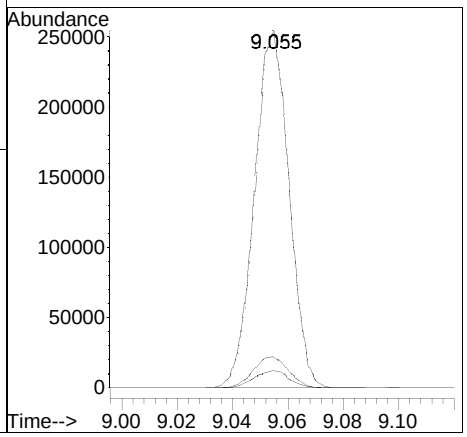


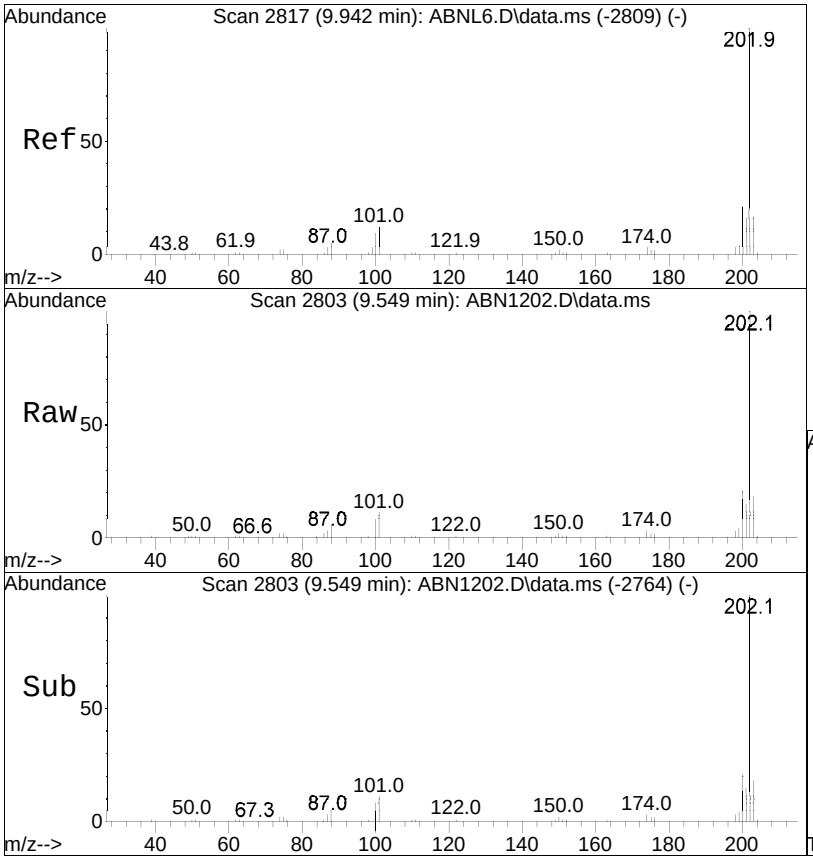


#92
Di-n-butylphthalate
Concen: 4.67 ug/ml
RT: 9.055 min Scan# 2644
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:149 Resp: 217764

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.0	10.6
104	5.0	4.5	6.7

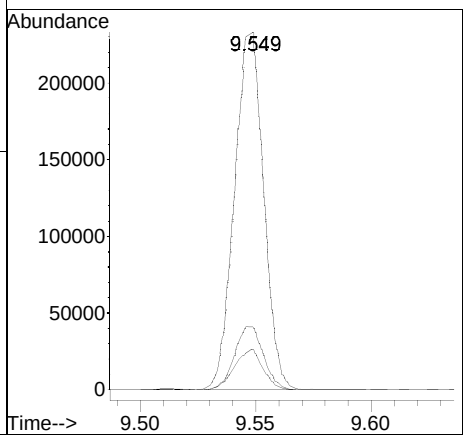


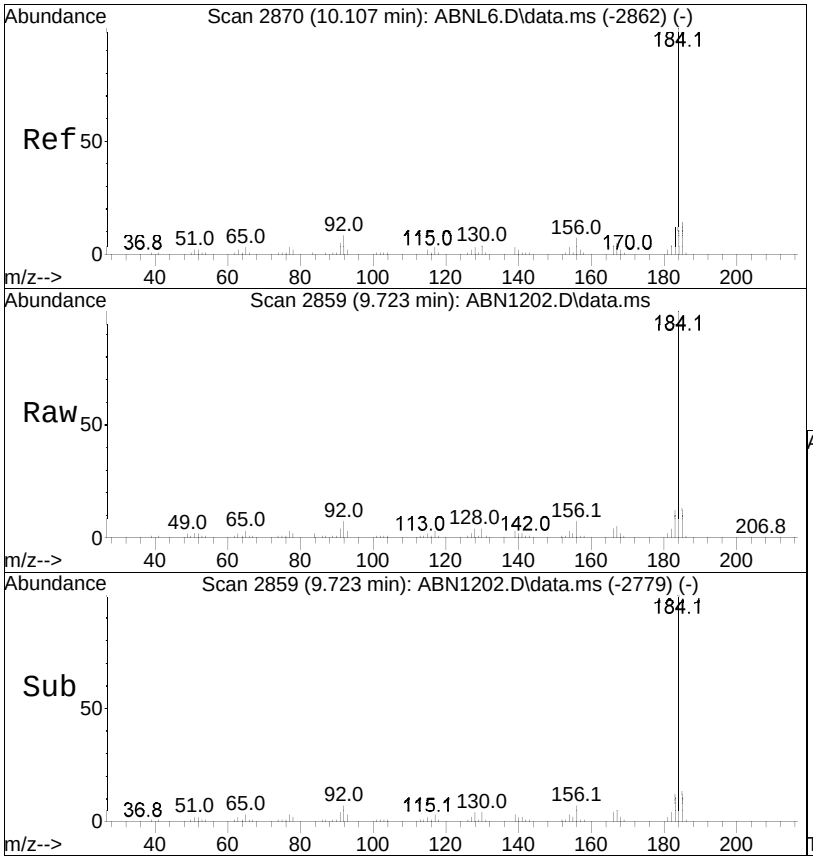


#93
Fluoranthene
Concen: 4.26 ug/ml
RT: 9.549 min Scan# 2803
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:202 Resp: 203201

Ion	Ratio	Lower	Upper
202	100		
101	11.2	13.5	20.3#
203	17.7	13.6	20.4

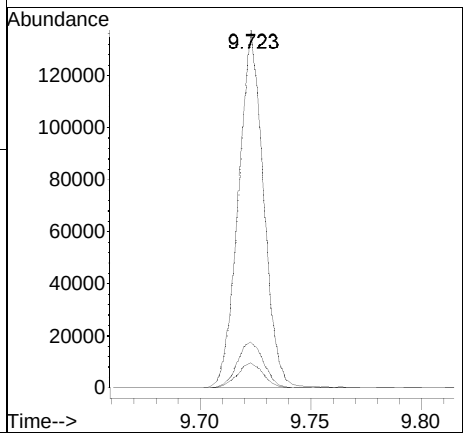


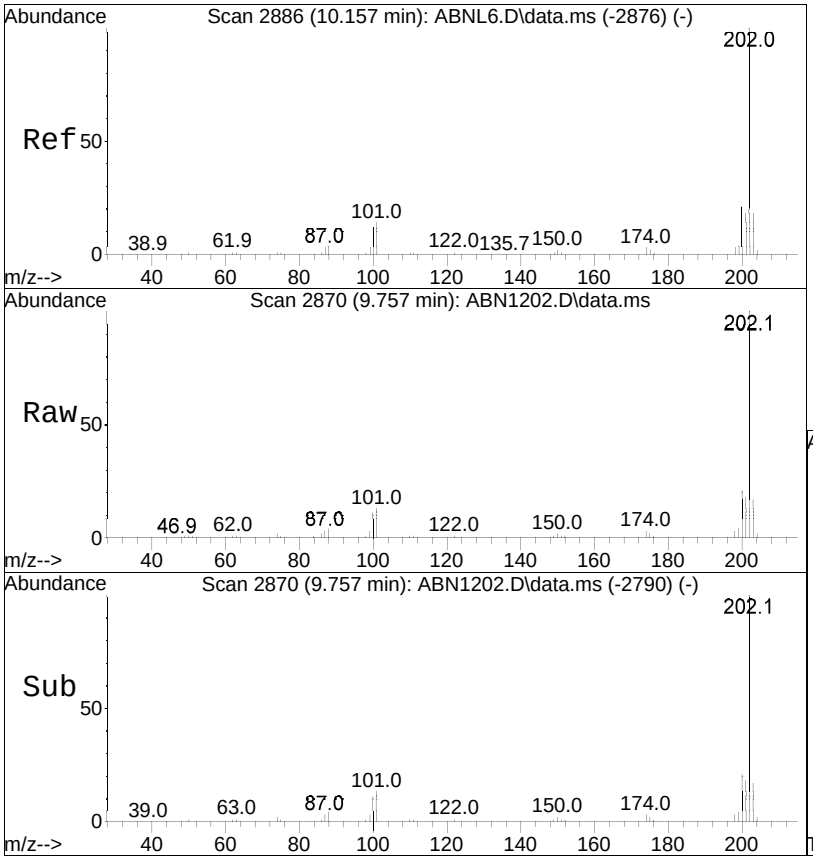


#94
Benzidine
Concen: 3.50 ug/ml
RT: 9.723 min Scan# 2859
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:184 Resp: 107088

Ion	Ratio	Lower	Upper
184	100		
92	7.3	9.1	13.7#
185	13.6	11.1	16.7

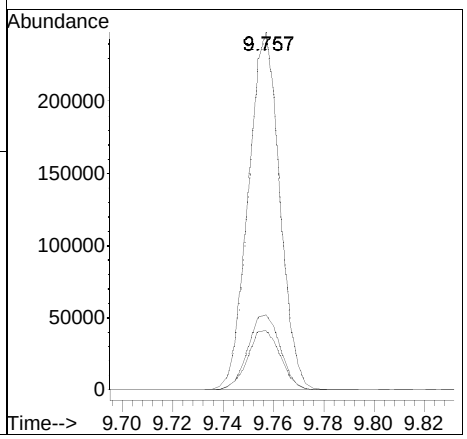


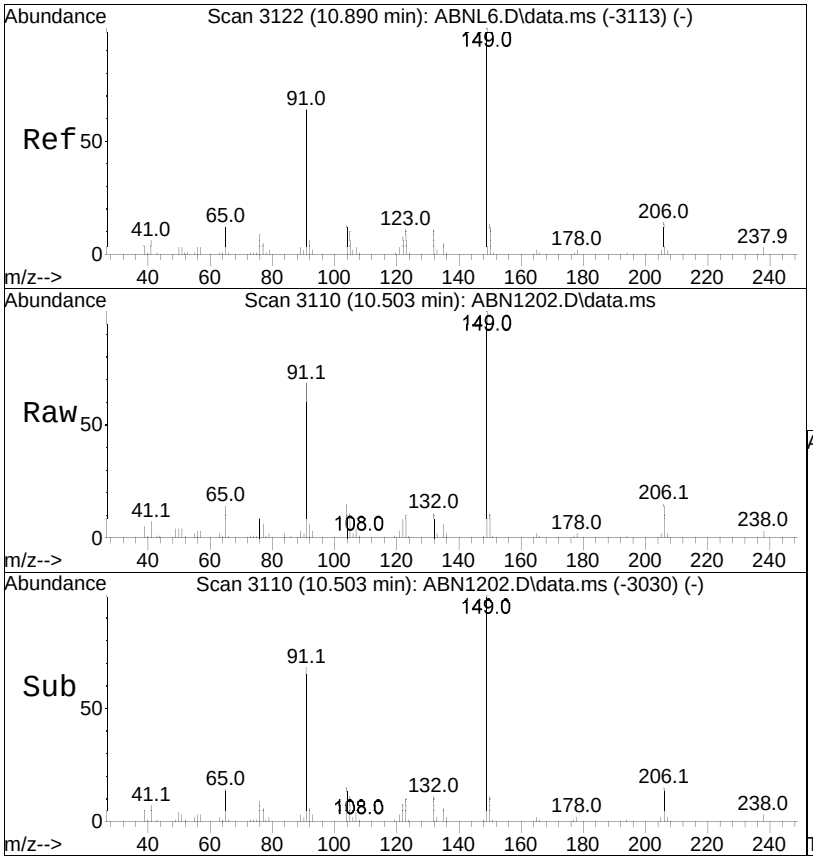


#95
Pyrene
Concen: 4.19 ug/ml
RT: 9.757 min Scan# 2870
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:202 Resp: 213346

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.7	25.1
203	17.6	14.2	21.4

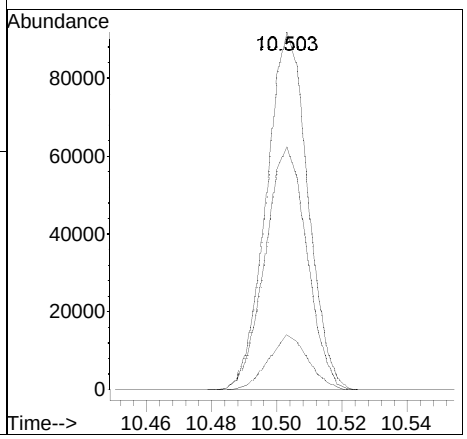


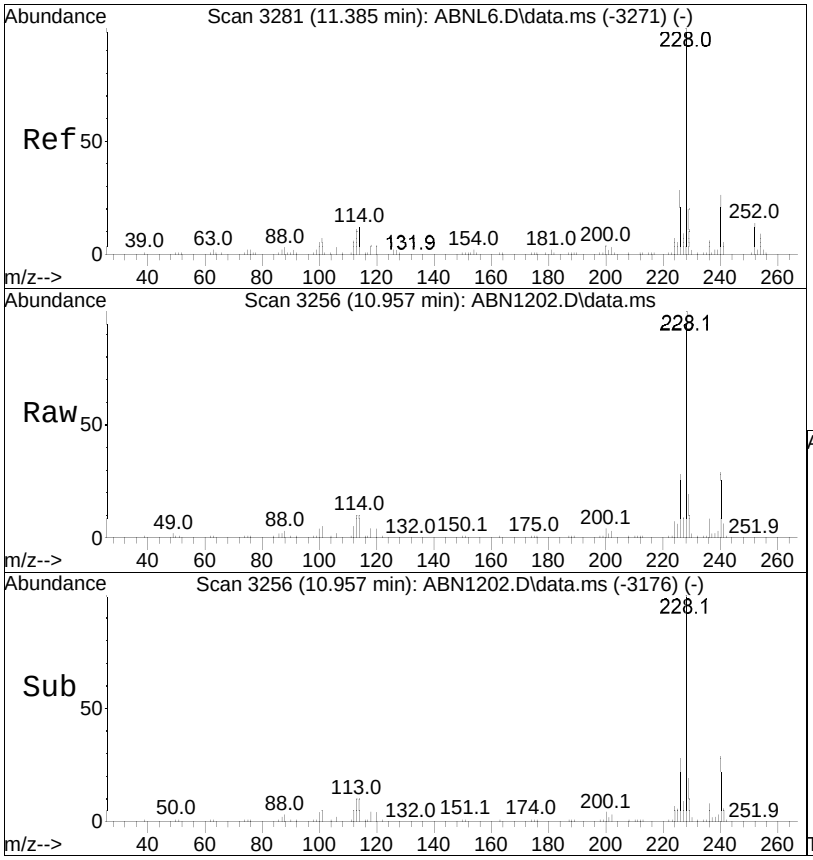


#97
Butyl benzyl phthalate
Concen: 4.14 ug/ml
RT: 10.503 min Scan# 3110
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:149 Resp: 80532

Ion	Ratio	Lower	Upper
149	100		
91	69.0	63.3	94.9
206	14.8	13.9	20.9

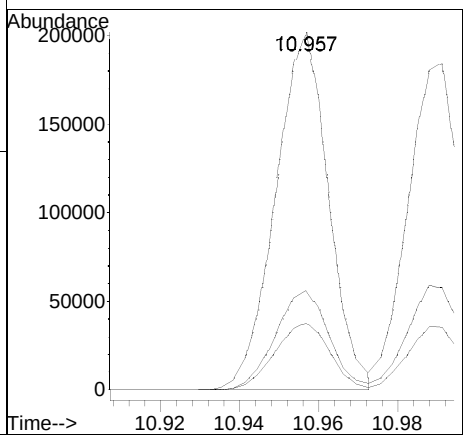


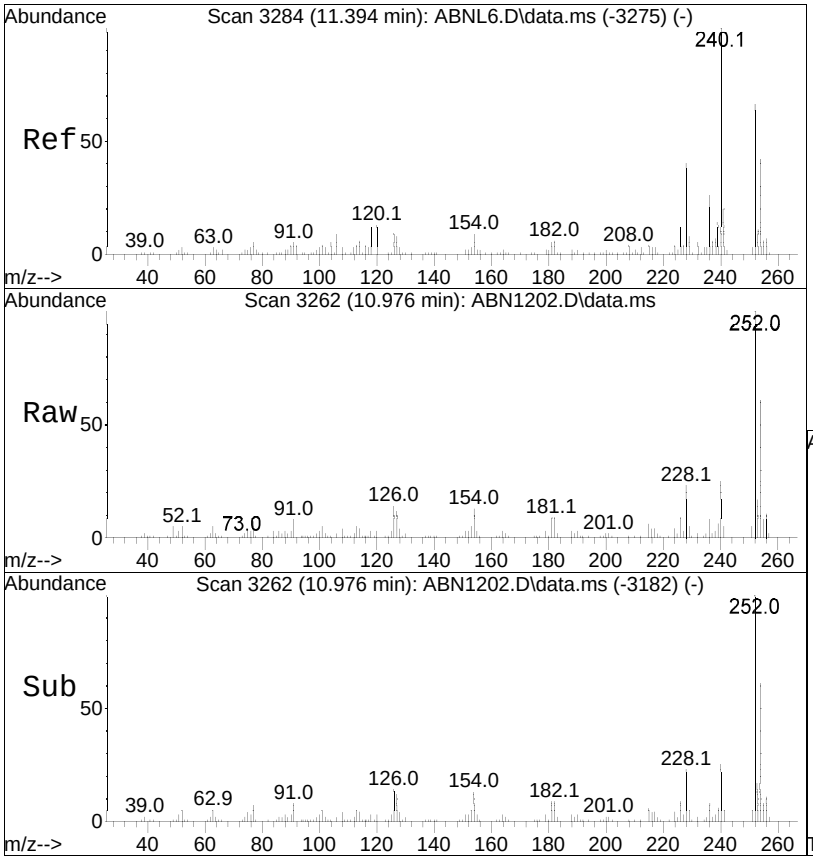


#105
Benzo(a)anthracene
Concen: 5.03 ug/ml M3
RT: 10.957 min Scan# 3256
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:228 Resp: 187288

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.2	33.4
229	19.4	15.6	23.4

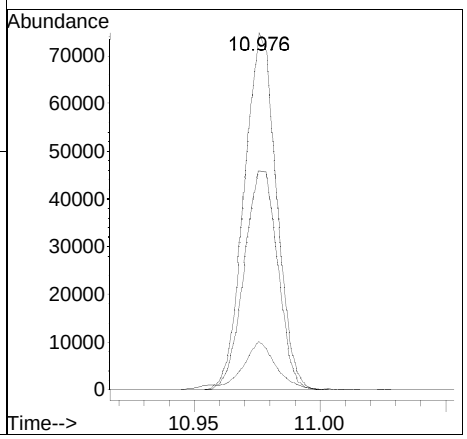


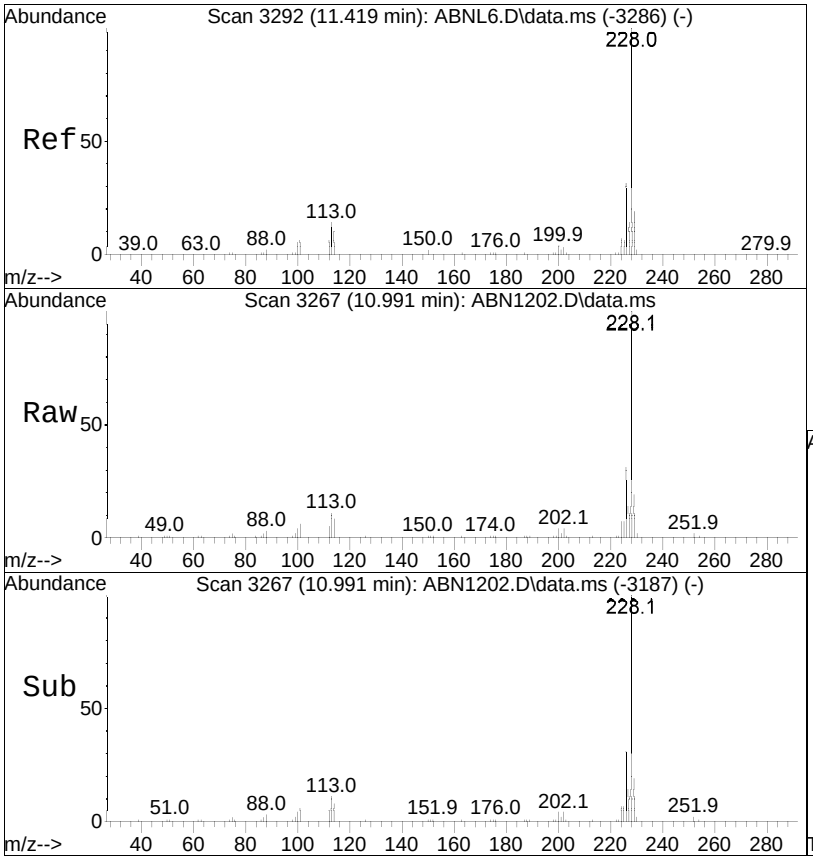


#106
3,3'-Dichlorobenzidine
Concen: 5.20 ug/ml
RT: 10.976 min Scan# 3262
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:252 Resp: 66634

Ion	Ratio	Lower	Upper
252	100		
126	14.5	14.5	21.7
254	63.9	51.2	76.8

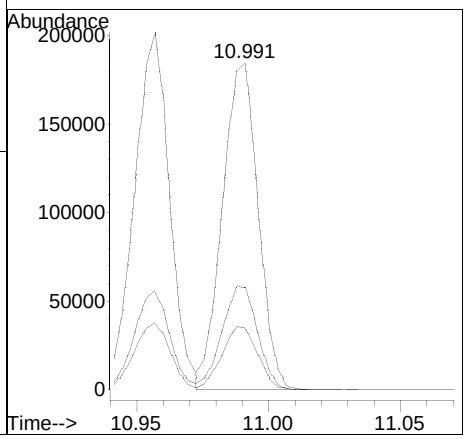


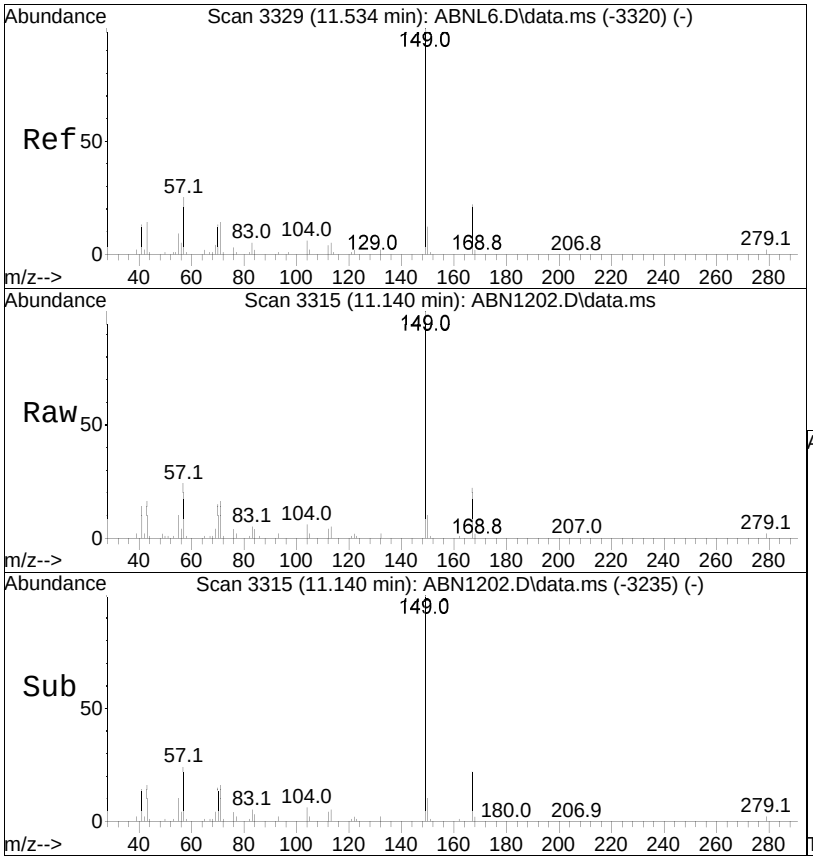


#107
Chrysene
Concen: 4.71 ug/ml
RT: 10.991 min Scan# 3267
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:228 Resp: 173790

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.0	36.0
229	19.5	15.8	23.8

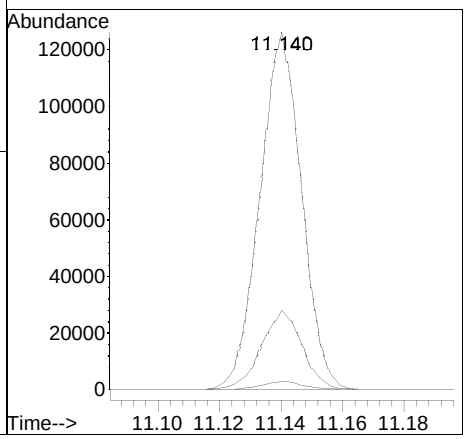


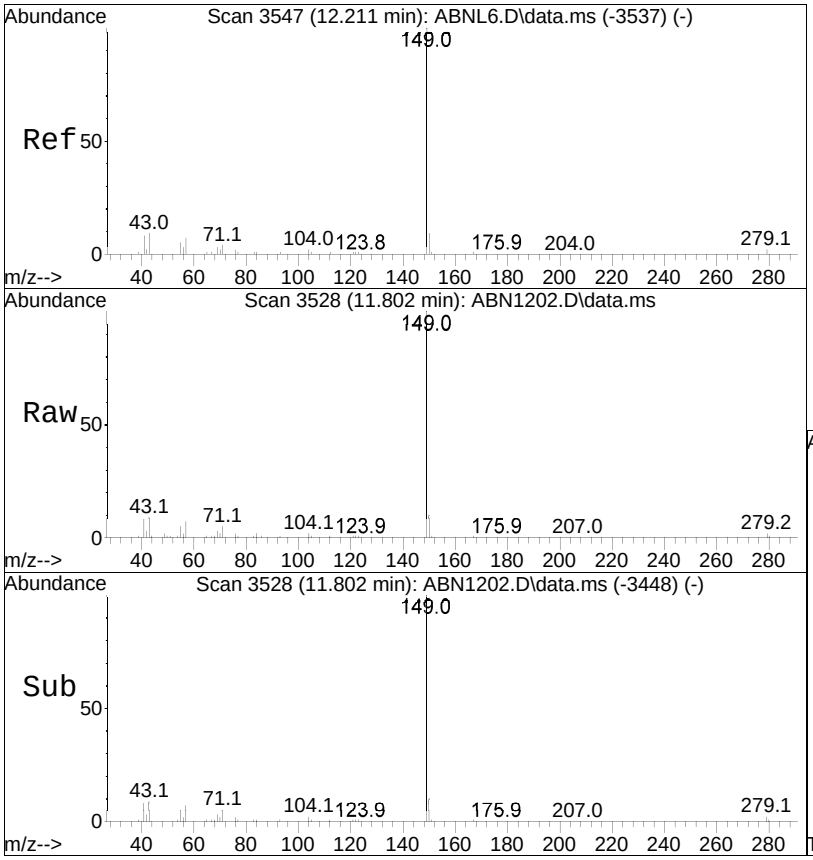


#108
Bis(2-ethylhexyl)phthalate
Concen: 5.03 ug/ml
RT: 11.140 min Scan# 3315
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:149 Resp: 117574

Ion	Ratio	Lower	Upper
149	100		
167	21.7	22.1	33.1#
279	2.0	3.0	4.4#

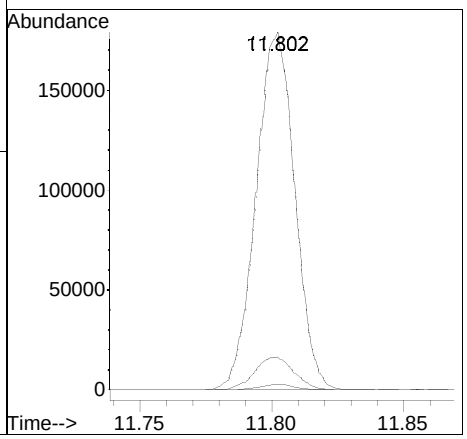


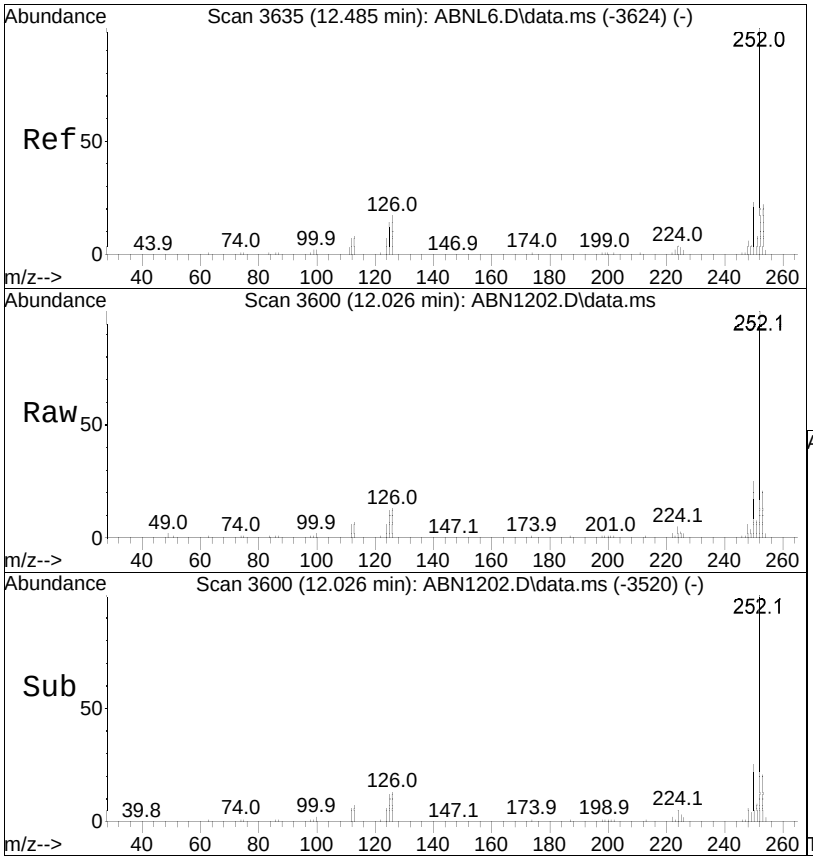


#109
Di-n-octylphthalate
Concen: 4.61 ug/ml
RT: 11.802 min Scan# 3528
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:149 Resp: 180703

Ion	Ratio	Lower	Upper
149	100		
43	9.4	18.8	28.2#
167	1.3	1.3	1.9

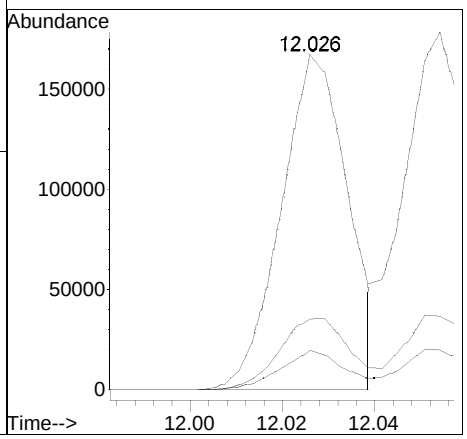


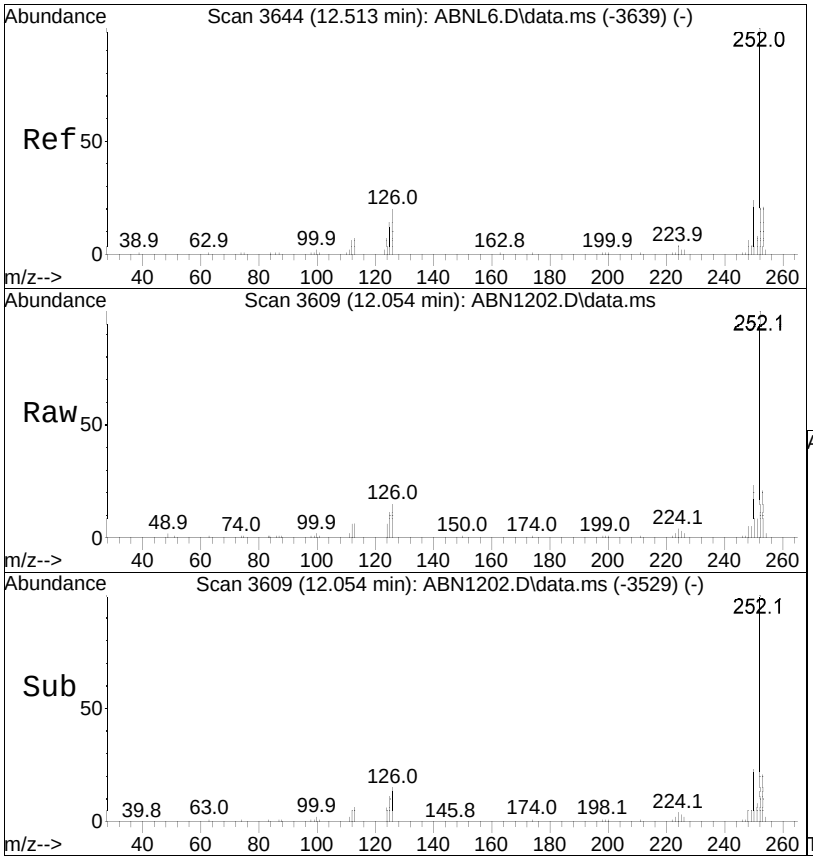


#110
Benzo(b)fluoranthene
Concen: 4.75 ug/ml M3
RT: 12.026 min Scan# 3600
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:252 Resp: 167684

Ion	Ratio	Lower	Upper
252	100		
125	11.4	13.3	19.9#
253	23.5	17.1	25.7

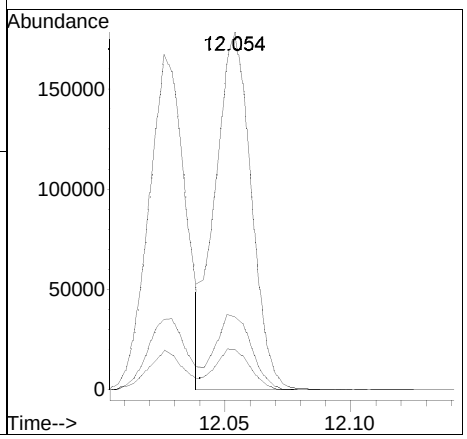


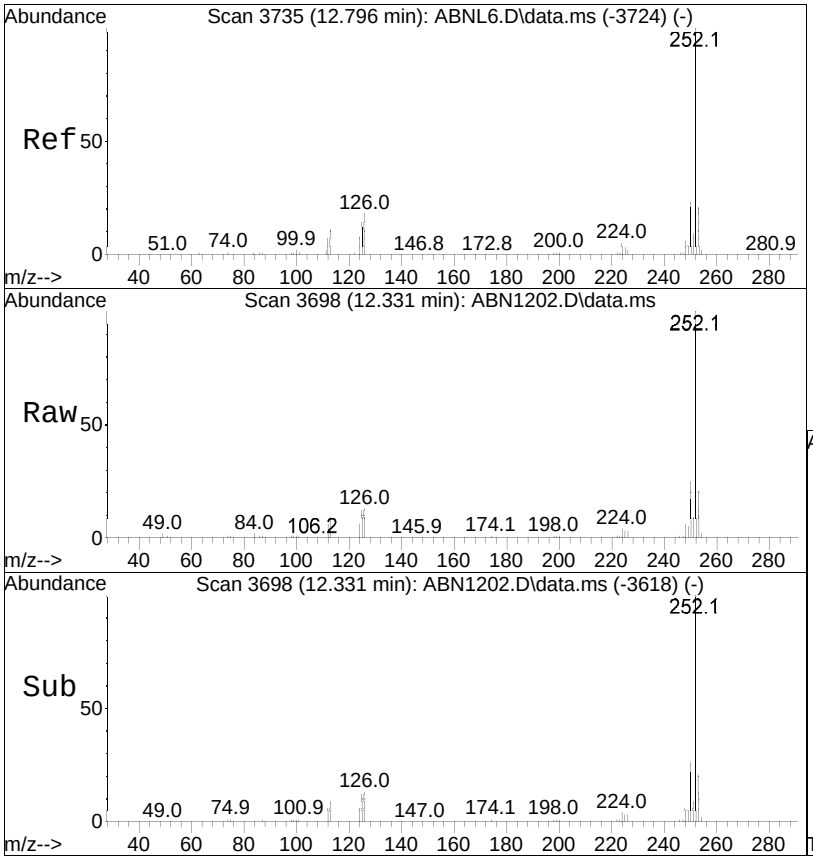


#111
Benzo(k)fluoranthene
Concen: 4.93 ug/ml
RT: 12.054 min Scan# 3609
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:252 Resp: 177343

Ion	Ratio	Lower	Upper
252	100		
125	11.4	13.0	19.6#
253	20.3	16.8	25.2

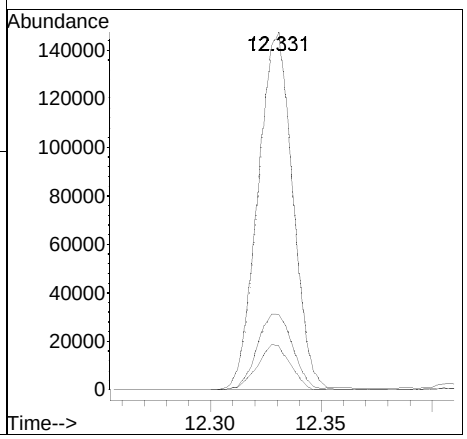


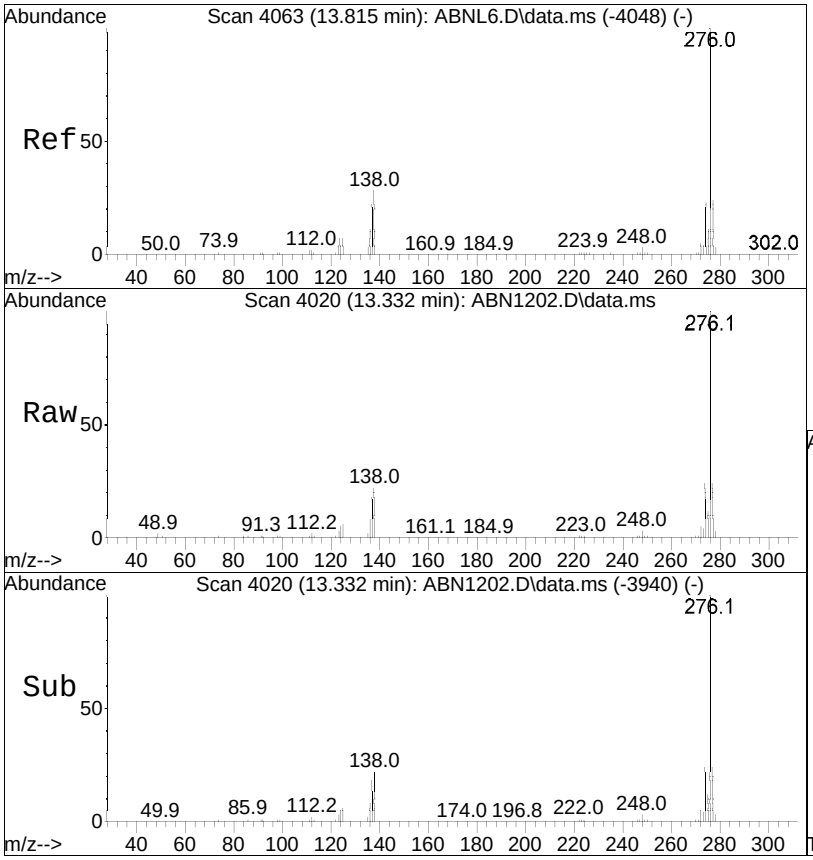


#112
Benzo(a)pyrene
Concen: 4.84 ug/ml M3
RT: 12.331 min Scan# 3698
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:252 Resp: 160109

Ion	Ratio	Lower	Upper
252	100		
125	12.2	14.2	21.2#
253	22.0	16.9	25.3

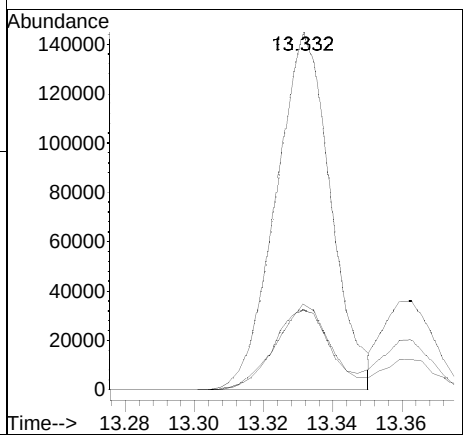


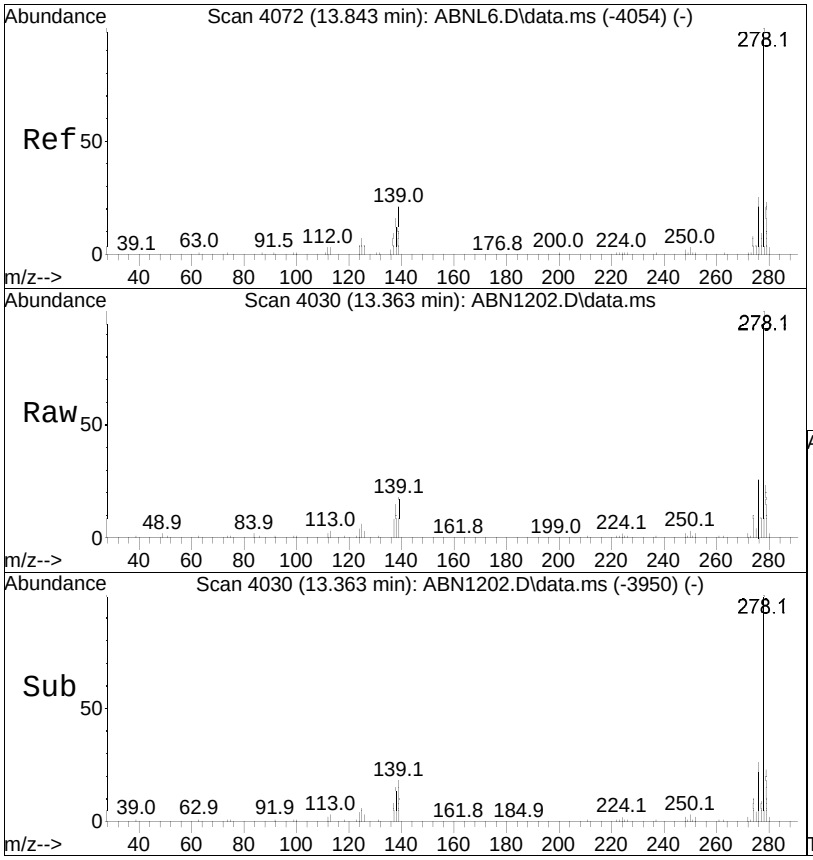


#114
Indeno(1,2,3-cd)pyrene
Concen: 4.90 ug/mL M3
RT: 13.332 min Scan# 4020
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:276 Resp: 158944

Ion	Ratio	Lower	Upper
276	100		
138	25.7	25.1	37.7
277	24.0	18.6	28.0

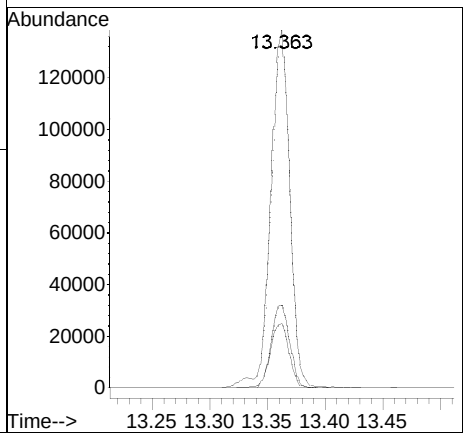


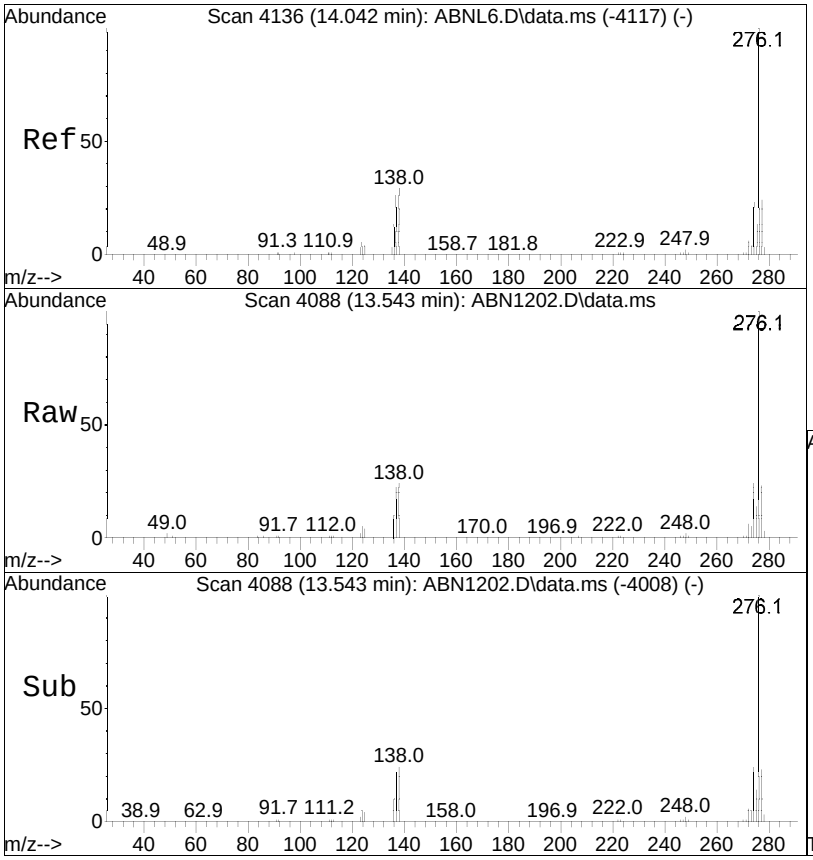


#115
Dibenzo(a,h)anthracene
Concen: 4.66 ug/ml M3
RT: 13.363 min Scan# 4030
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:278 Resp: 156760

Ion	Ratio	Lower	Upper
278	100		
139	17.8	20.8	31.2#
279	23.0	18.3	27.5

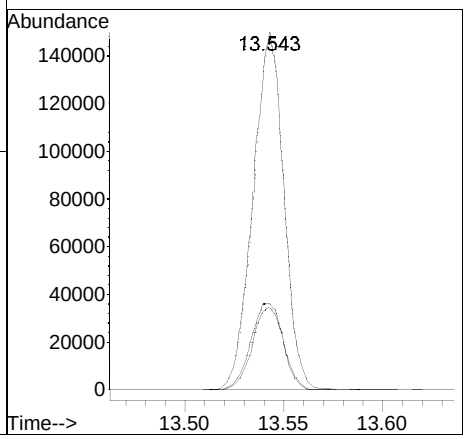




#116
Benzo(ghi)perylene
Concen: 4.86 ug/ml
RT: 13.543 min Scan# 4088
Delta R.T. 0.000 min
Lab File: ABN1202.D
Acq: 2 Dec 2025 11:11 pm

Tgt Ion:276 Resp: 160899

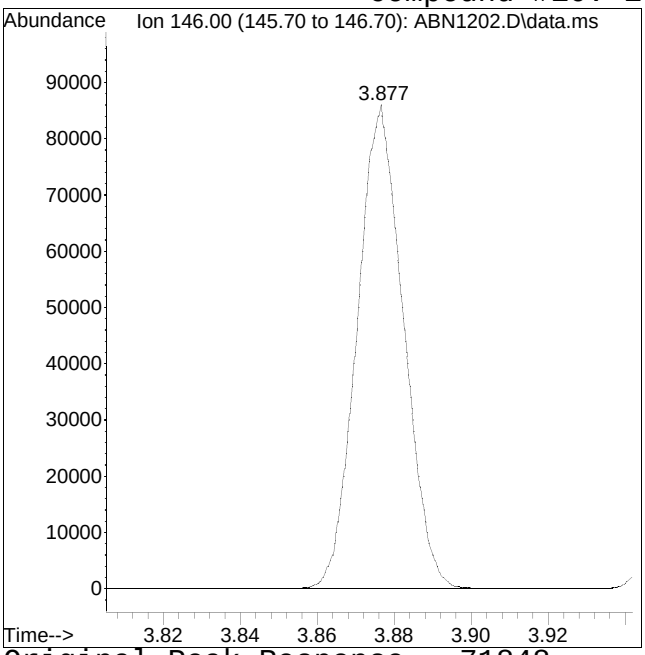
Ion	Ratio	Lower	Upper
276	100		
138	25.5	29.2	43.8#
277	23.7	18.8	28.2



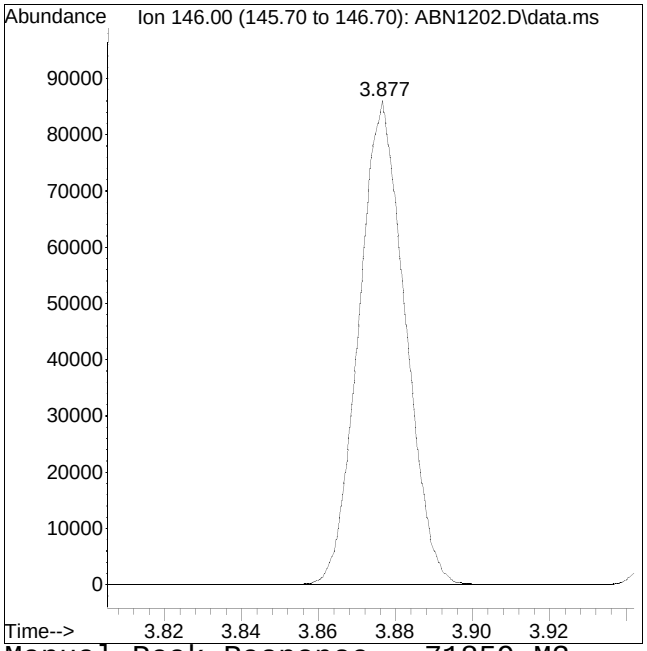
Manual Integration Report

Data Path : I:\8270\SV106\251202RVT\ QMethod : FS250827SV106.m
Data File : ABN1202.D Operator : SV106:smz
Date Inj'd : 12/2/2025 11:11 pm Instrument : SV 106
Sample : wg2148721-3,32,,ABN RVT CCQuant Date : 12/2/2025 11:35 pm

Compound #10: 1,3-Dichlorobenzene



Original Peak Response = 71848



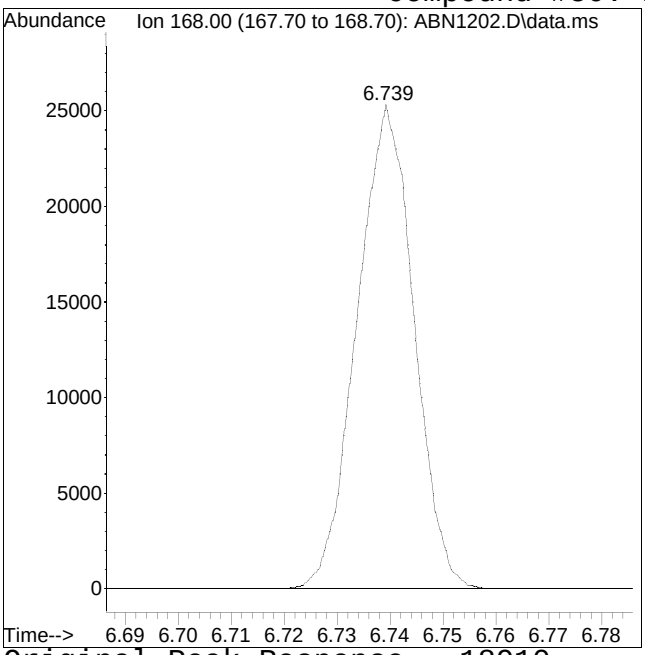
Manual Peak Response = 71859 M3

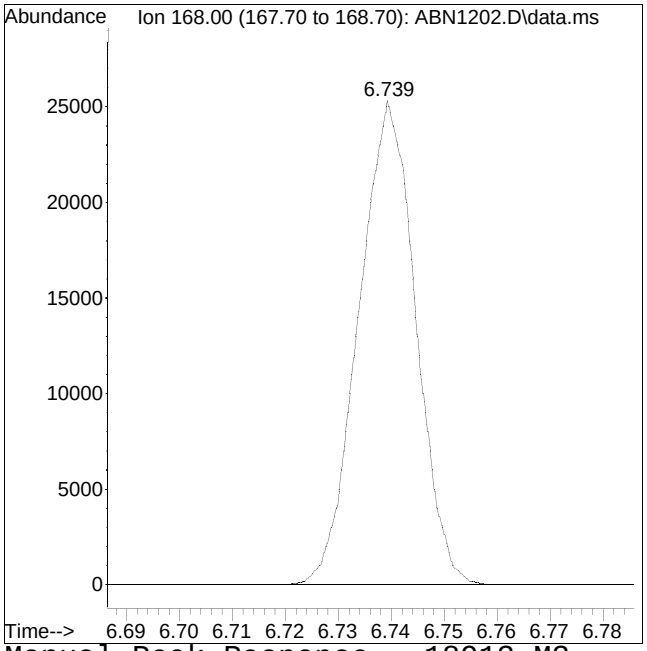
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\251202RVT\ QMethod : FS250827SV106.m
Data File : ABN1202.D Operator : SV106:smz
Date Inj'd : 12/2/2025 11:11 pm Instrument : SV 106
Sample : wg2148721-3,32,,ABN RVT CCQuant Date : 12/2/2025 11:35 pm

Compound #50: 1,3-Dinitrobenzene



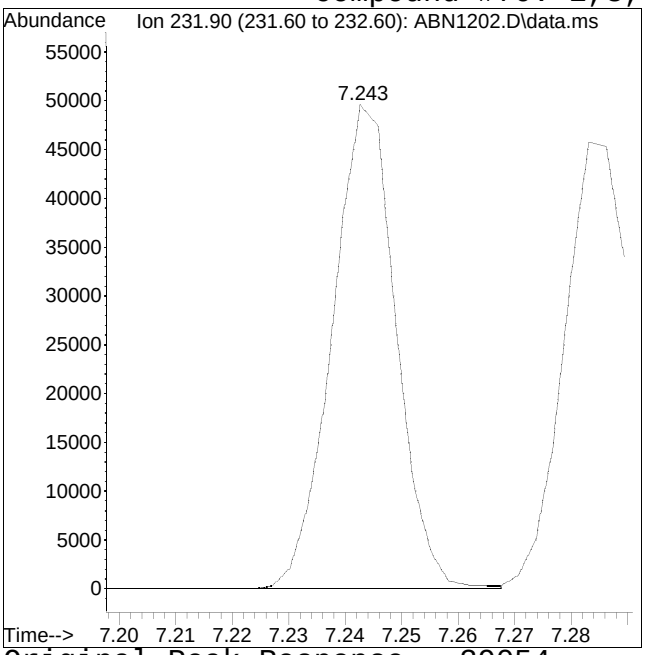


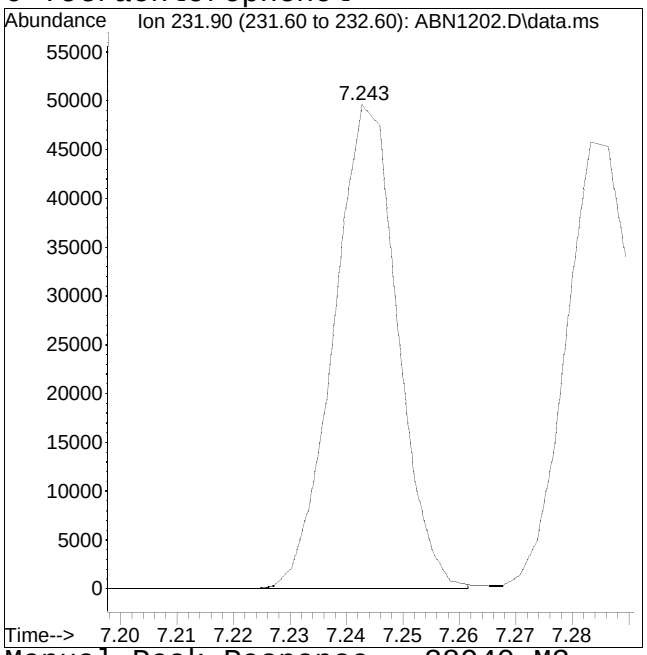
Original Peak Response = 18910 Manual Peak Response = 18913 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\251202RVT\ QMethod : FS250827SV106.m
Data File : ABN1202.D Operator : SV106:smz
Date Inj'd : 12/2/2025 11:11 pm Instrument : SV 106
Sample : wg2148721-3,32,,ABN RVT CCQuant Date : 12/2/2025 11:35 pm

Compound #70: 2,3,5,6-Tetrachlorophenol





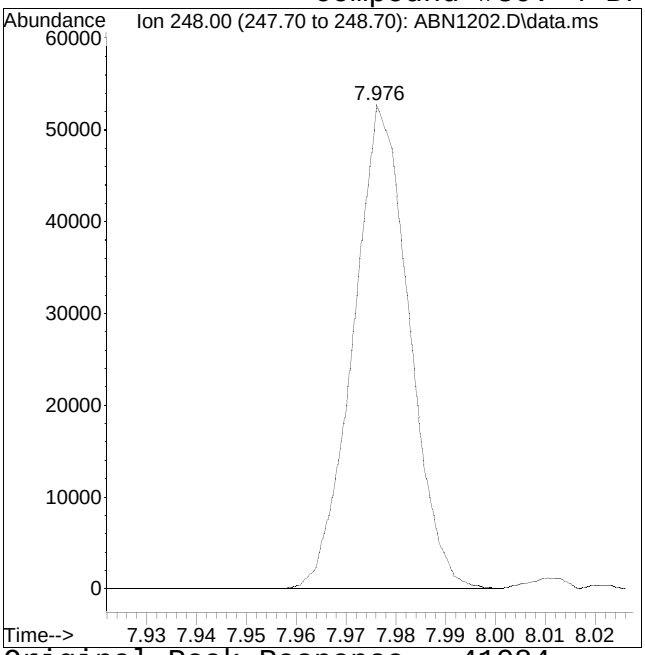
Original Peak Response = 39054 Manual Peak Response = 38940 M3

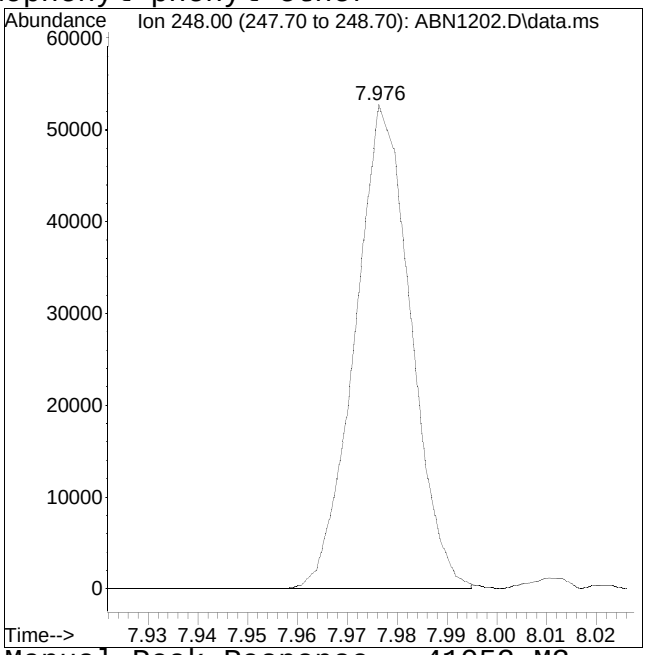
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\251202RVT\ QMethod : FS250827SV106.m
Data File : ABN1202.D Operator : SV106:smz
Date Inj'd : 12/2/2025 11:11 pm Instrument : SV 106
Sample : wg2148721-3,32,,ABN RVT CCQuant Date : 12/2/2025 11:35 pm

Compound #80: 4-Bromophenyl phenyl ether



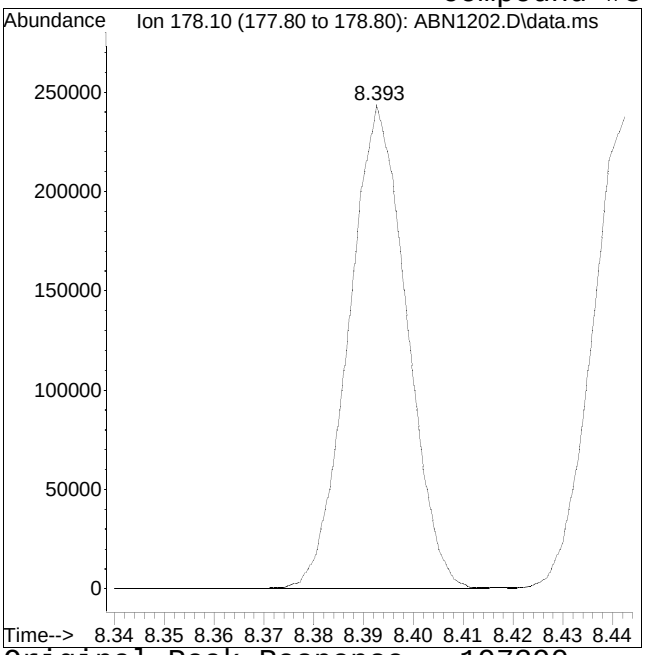


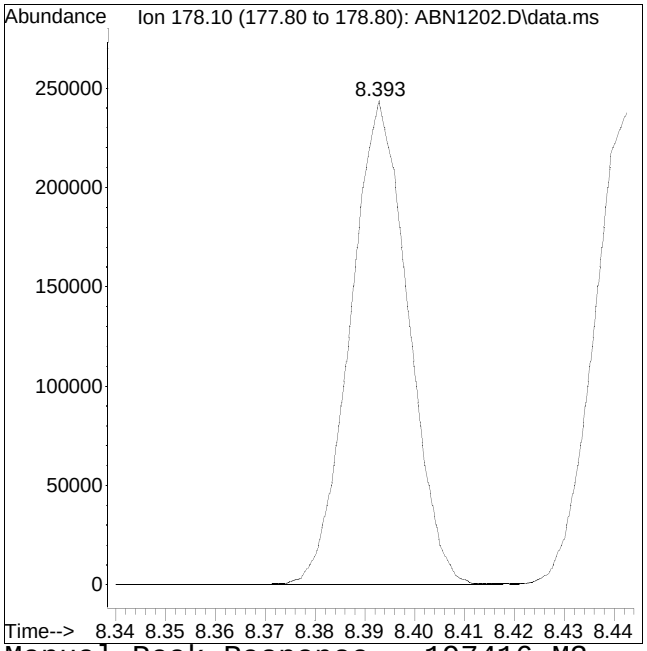
Original Peak Response = 41084 Manual Peak Response = 41052 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\251202RVT\ QMethod : FS250827SV106.m
Data File : ABN1202.D Operator : SV106:smz
Date Inj'd : 12/2/2025 11:11 pm Instrument : SV 106
Sample : wg2148721-3,32,,ABN RVT CCQuant Date : 12/2/2025 11:35 pm

Compound #89: Phenanthrene





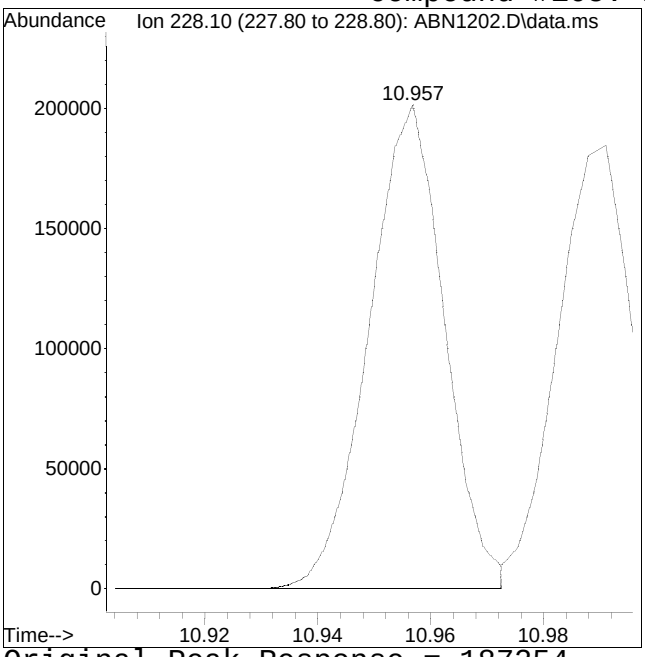
Original Peak Response = 197390 Manual Peak Response = 197416 M3

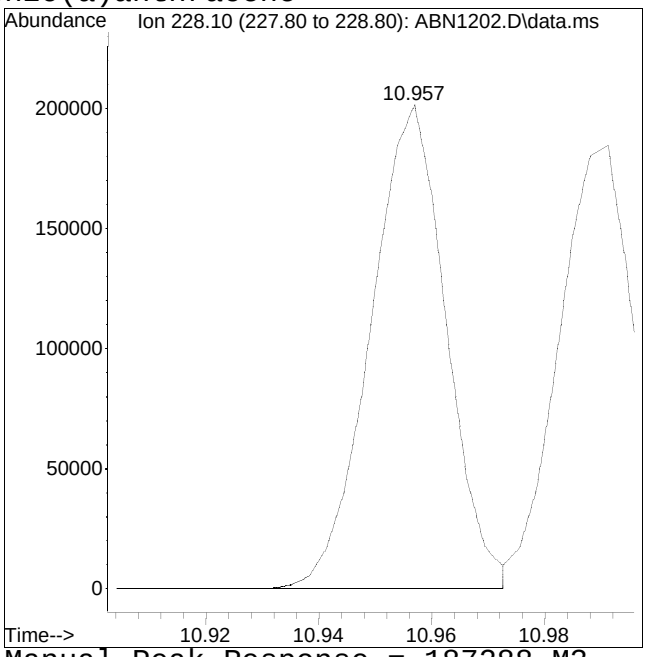
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\251202RVT\ QMethod : FS250827SV106.m
Data File : ABN1202.D Operator : SV106:smz
Date Inj'd : 12/2/2025 11:11 pm Instrument : SV 106
Sample : wg2148721-3,32,,ABN RVT CCQuant Date : 12/2/2025 11:35 pm

Compound #105: Benzo(a)anthracene



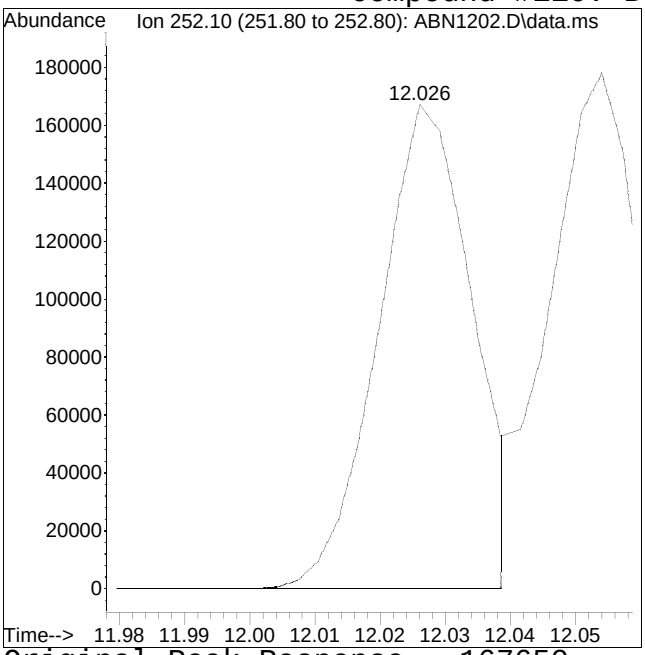


Original Peak Response = 187254 Manual Peak Response = 187288 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

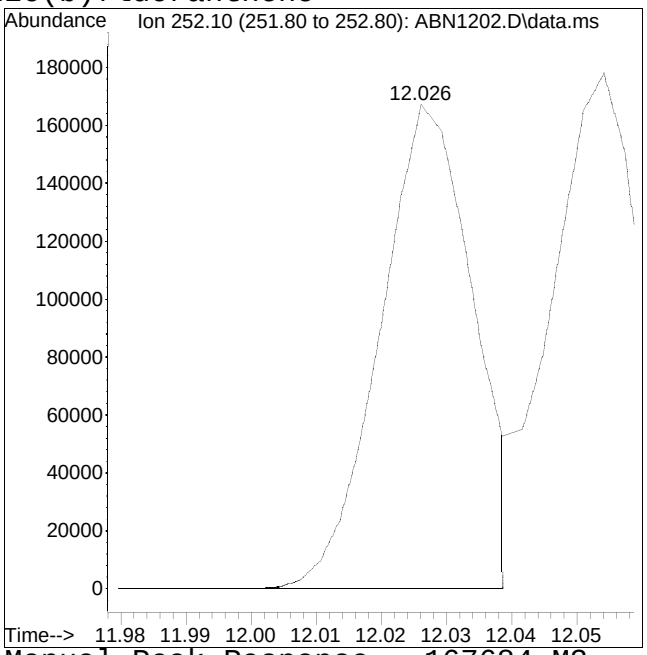
Manual Integration Report

Data Path : I:\8270\SV106\251202RVT\ QMethod : FS250827SV106.m
Data File : ABN1202.D Operator : SV106:smz
Date Inj'd : 12/2/2025 11:11 pm Instrument : SV 106
Sample : wg2148721-3,32,,ABN RVT CCQuant Date : 12/2/2025 11:35 pm

Compound #110: Benzo(b)fluoranthene



Original Peak Response = 167650



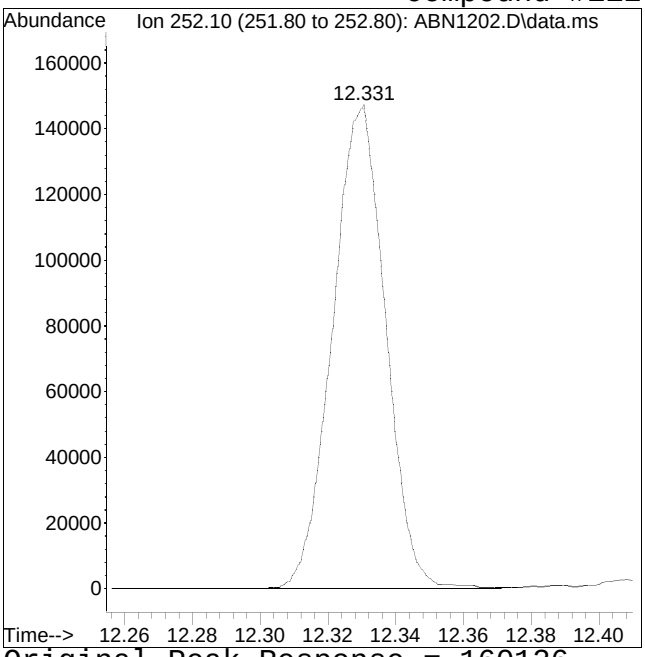
Manual Peak Response = 167684 M3

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

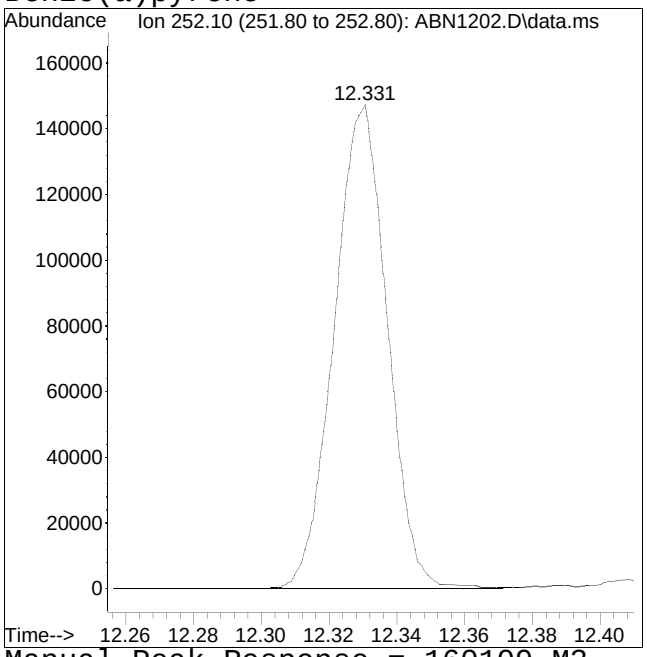
Manual Integration Report

Data Path : I:\8270\SV106\251202RVT\ QMethod : FS250827SV106.m
Data File : ABN1202.D Operator : SV106:smz
Date Inj'd : 12/2/2025 11:11 pm Instrument : SV 106
Sample : wg2148721-3,32,,ABN RVT CCQuant Date : 12/2/2025 11:35 pm

Compound #112: Benzo(a)pyrene



Original Peak Response = 160126



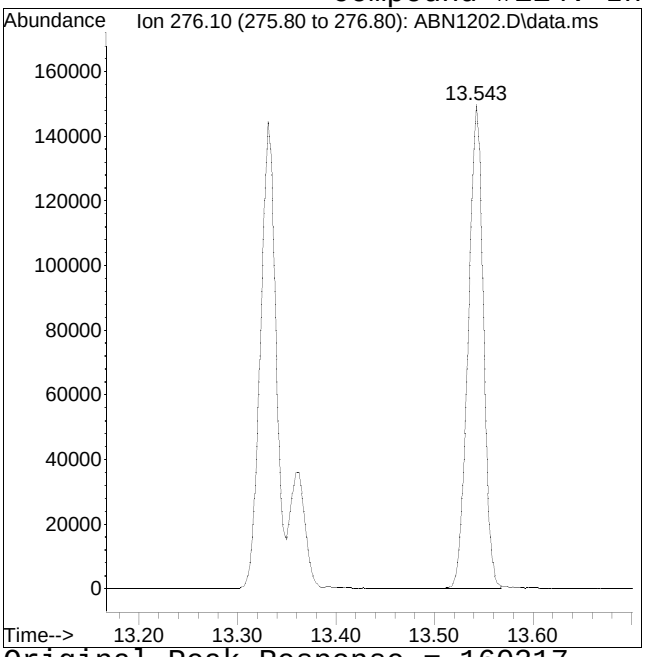
Manual Peak Response = 160109 M3

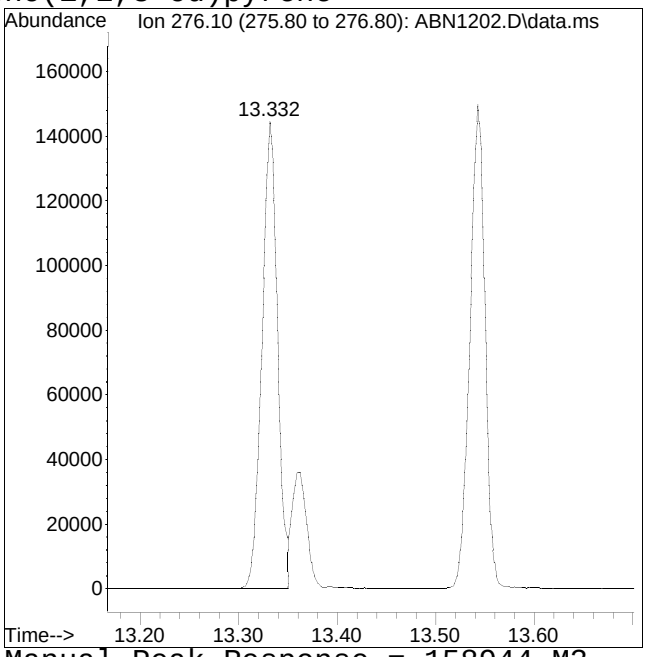
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\251202RVT\ QMethod : FS250827SV106.m
Data File : ABN1202.D Operator : SV106:smz
Date Inj'd : 12/2/2025 11:11 pm Instrument : SV 106
Sample : wg2148721-3,32,,ABN RVT CCQuant Date : 12/2/2025 11:35 pm

Compound #114: Indeno(1,2,3-cd)pyrene



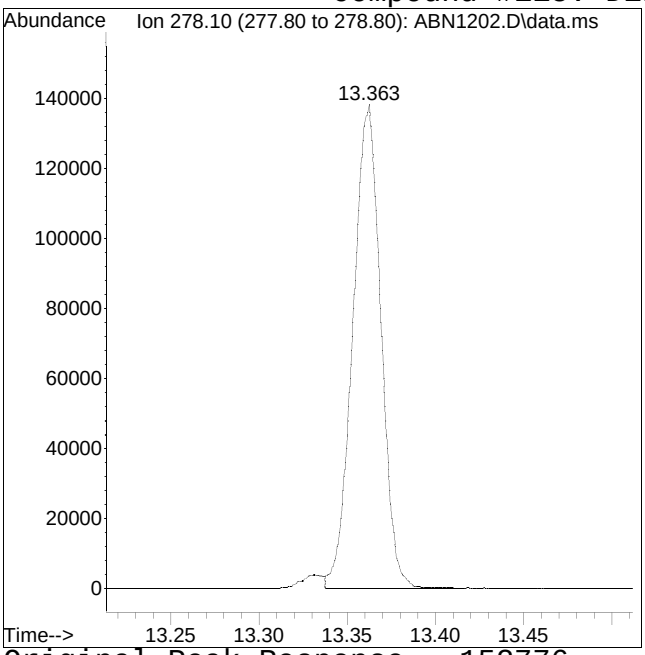


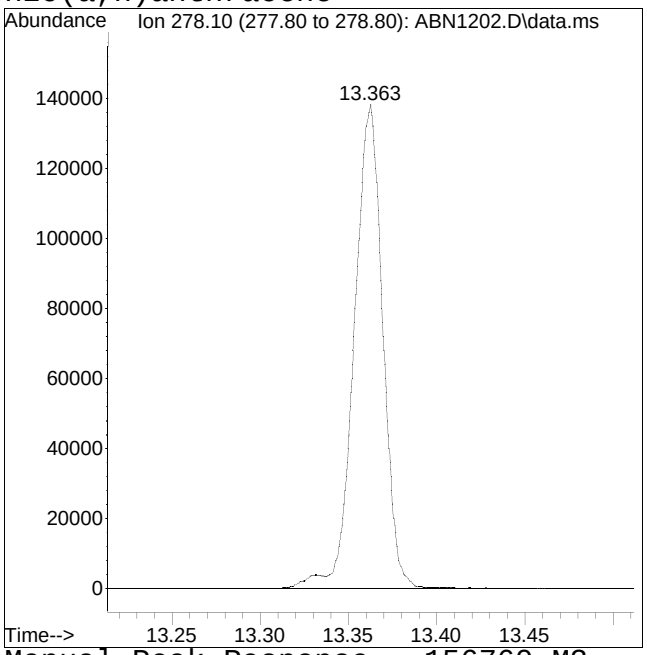
Original Peak Response = 160317 Manual Peak Response = 158944 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\251202RVT\ QMethod : FS250827SV106.m
Data File : ABN1202.D Operator : SV106:smz
Date Inj'd : 12/2/2025 11:11 pm Instrument : SV 106
Sample : wg2148721-3,32,,ABN RVT CCQuant Date : 12/2/2025 11:35 pm

Compound #115: Dibenzo(a,h)anthracene





Original Peak Response = 152776 Manual Peak Response = 156760 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\251202RVT\
Data File : AP91202.D
Acq On : 2 Dec 2025 11:32 pm
Operator : SV106:smz
Sample : wg2148721-4,32,,AP9 RVT ICV Lot # 12015
Misc : wg2148721,,ical22591
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Dec 02 23:53:05 2025
Quant Method : I:\8270\SV106\251202RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 02 23:53:36 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	134	0.00
28	T	Benzaldehyde	0.645	0.603	6.5	128	0.00
29	T	Acetophenone	1.905	1.643	13.8	118	0.00
30	T	m-Toluidine	1.123	1.161	-3.4	129	0.00
31	T	2-Chloroaniline	1.724	1.458	15.4	112	0.00
55	I	IS2_Naphthalene-d8	1.000	1.000	0.0	125	0.00
56	T	a-Terpineol	0.267	0.263	1.5	123	0.00
57	T	3-Chloroaniline	0.114	0.122	-7.0	125	0.00
58	T	2,6-Dichlorophenol	0.285	0.276	3.2	119	0.00
59	T	1-chloro-2-nitrobenzene	0.135	0.136	-0.7	124	0.00
60	T	Caprolactam	0.142	0.130	8.5	109	0.00
61	T	1,2,4,5-Tetrachlorobenzene	0.373	0.349	6.4	120	0.00
62	T	Biphenyl	0.931	0.771	17.2	107	0.00
83	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	130	0.00
84	T	Dichloran	0.158	0.137	13.3	110	0.00
85	T	Pentachloronitrobenzene	0.154	0.150	2.6	118	0.00
98	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	121	0.00
99	T	Diphenamid	0.487	0.385	20.9#	90	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\251202RVT\
Data File : AP91202.D
Acq On : 2 Dec 2025 11:32 pm
Operator : SV106:smz
Sample : wg2148721-4,32,,AP9 RVT ICV Lot # 12015
Misc : wg2148721,,ical22591
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Dec 02 23:53:05 2025
Quant Method : I:\8270\SV106\251202RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 02 23:53:36 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	3.939	152	41588	4.000	ug/ml		0.00
55) IS2_Naphthalene-d8	5.216	136	152907	4.000	ug/ml	#	0.00
83) IS2_Acenaphthene-d10	6.938	164	91634	4.000	ug/ml		0.00
98) IS2_Phenanthrene-d10	8.371	188	171669	4.000	ug/ml		0.00
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	3.479	105	31346	4.675	ug/ml		97
29) Acetophenone	4.371	105	85395	4.312	ug/ml	#	80
30) m-Toluidine	4.461	106	60329	5.169	ug/ml		94
31) 2-Chloroaniline	4.828	127	75794	4.230	ug/ml		94
56) a-Terpineol	5.300	59	50301	4.927	ug/ml	#	85
57) 3-Chloroaniline	5.309	65	23387	5.346	ug/ml		89
58) 2,6-Dichlorophenol	5.331	162	52843	4.847	ug/ml	#	88
59) 1-chloro-2-nitrobenzene	5.589	111	25991	5.046	ug/ml	#	1
60) Caprolactam	5.633	55	24808	4.578	ug/ml	#	74
61) 1,2,4,5-Tetrachloroben...	6.105	216	66666	4.674	ug/ml		97
62) Biphenyl	6.406	154	147448	4.143	ug/ml		98
84) Dichloran	8.085	206	15704	4.329	ug/ml	#	72
85) Pentachloronitrobenzene	8.228	237	17127	4.843	ug/ml	#	84
99) Diphenamid	9.313	167	82509	3.950	ug/ml		89

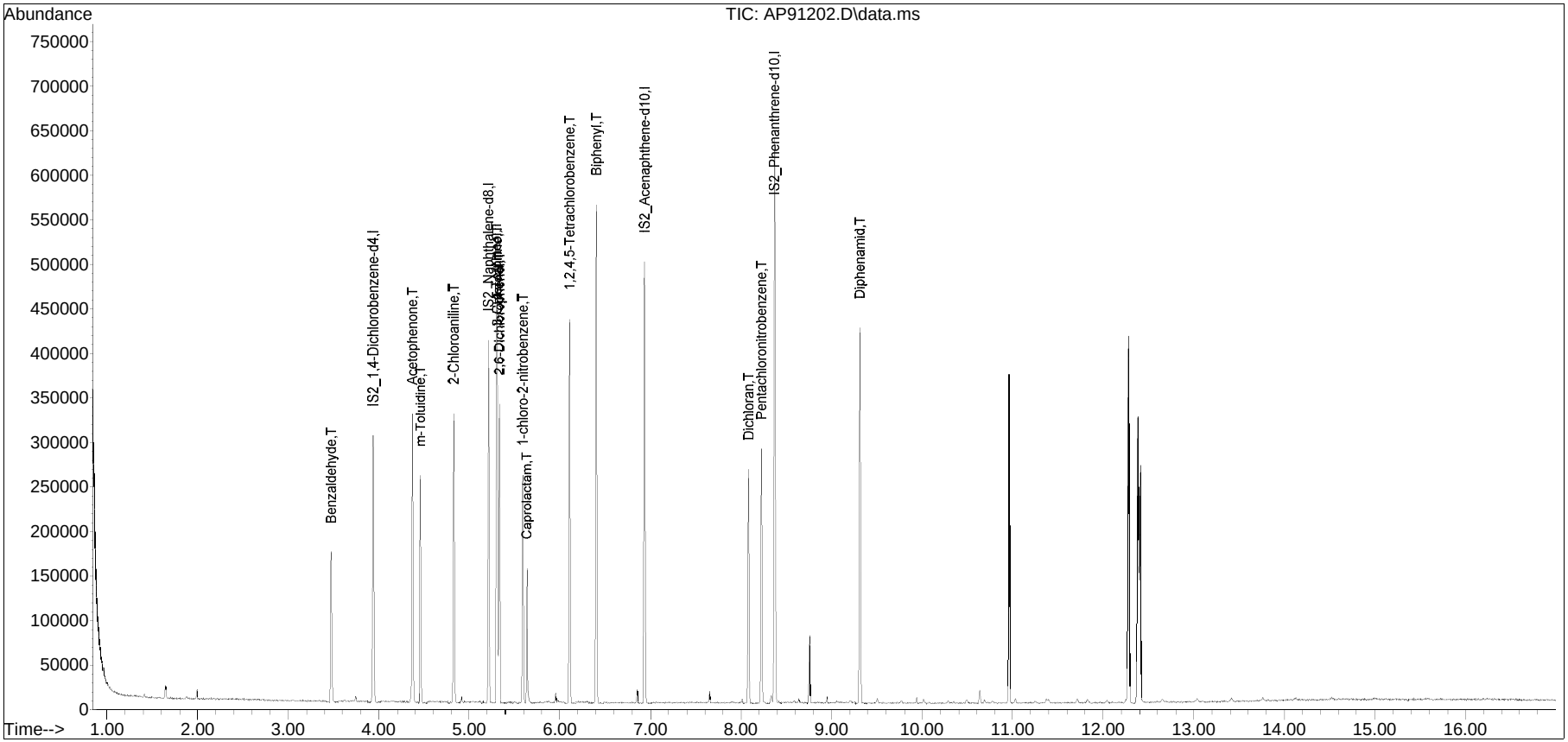
(#) = qualifier out of range (m) = manual integration (+) = signals summed

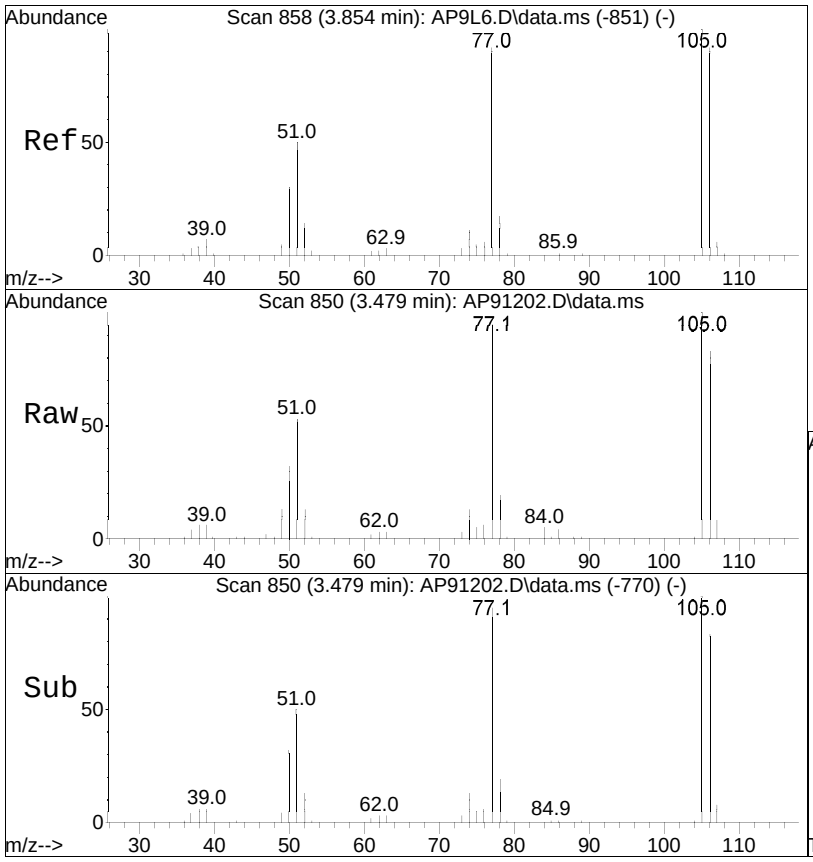
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\251202RVT\
Data File : AP91202.D
Acq On : 2 Dec 2025 11:32 pm
Operator : SV106:smz
Sample : wg2148721-4,32,,AP9 RVT ICV Lot # 12015
Misc : wg2148721,,ical22591
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Dec 02 23:53:05 2025
Quant Method : I:\8270\SV106\251202RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 02 23:53:36 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

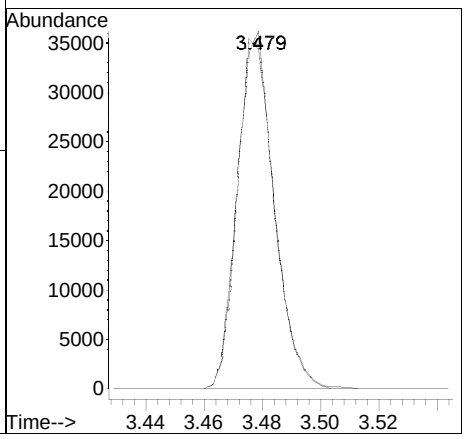


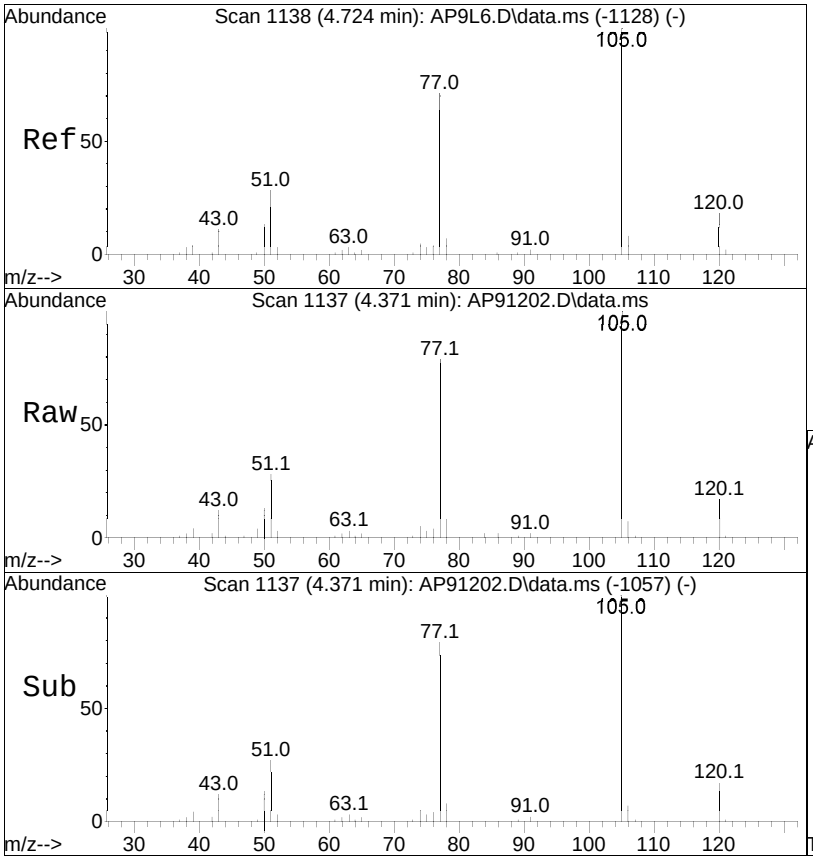


#28
Benzaldehyde
Concen: 4.67 ug/ml
RT: 3.479 min Scan# 850
Delta R.T. 0.000 min
Lab File: AP91202.D
Acq: 2 Dec 2025 11:32 pm

Tgt Ion:105 Resp: 31346

Ion	Ratio	Lower	Upper
105	100		
77	99.3	82.2	123.4

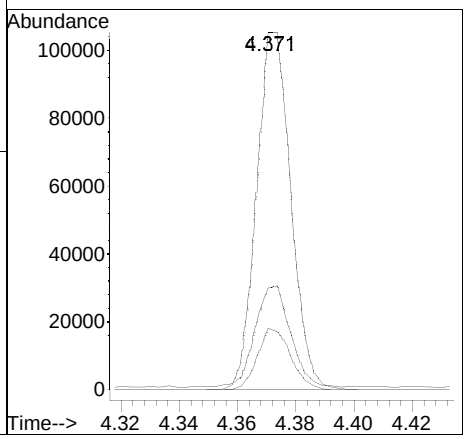


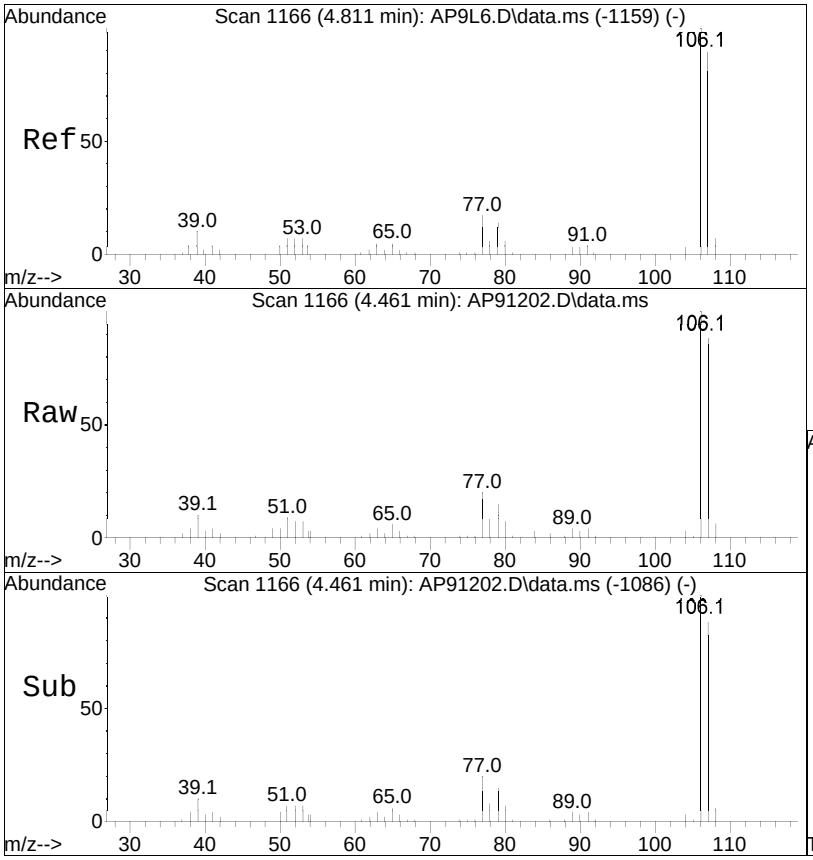


#29
Acetophenone
Concen: 4.31 ug/ml
RT: 4.371 min Scan# 1137
Delta R.T. 0.000 min
Lab File: AP91202.D
Acq: 2 Dec 2025 11:32 pm

Tgt Ion:105 Resp: 85395

Ion	Ratio	Lower	Upper
105	100		
120	16.8	20.5	30.7#
51	29.3	34.9	52.3#

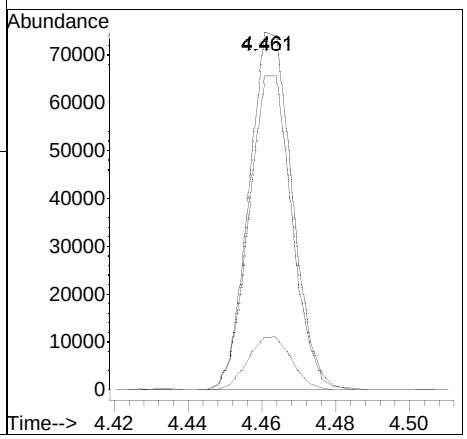


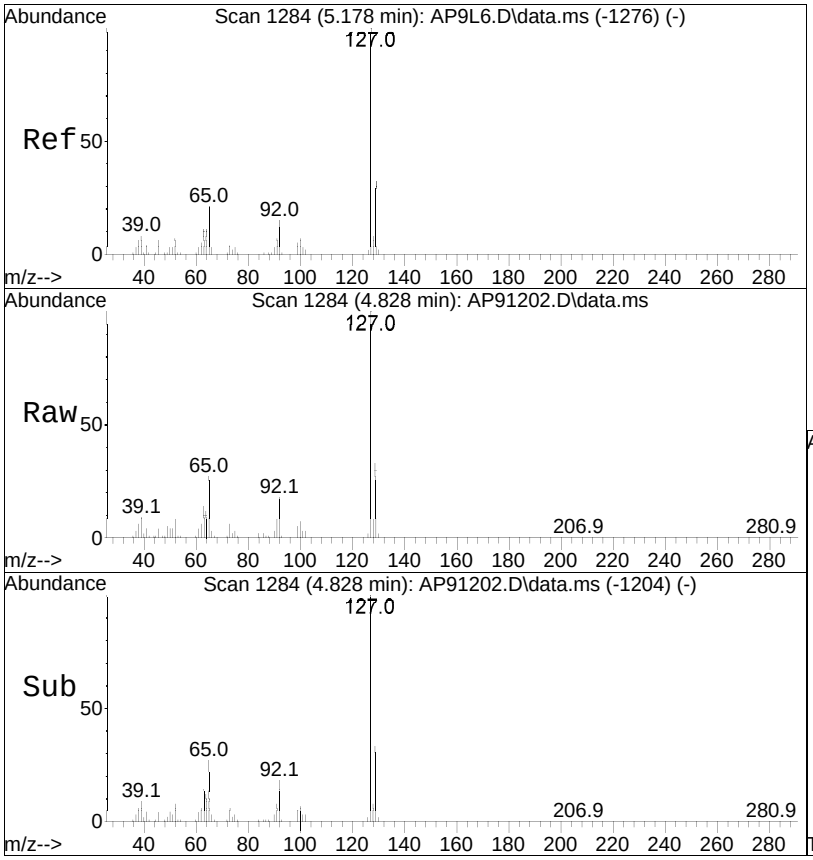


#30
m-Toluidine
Concen: 5.17 ug/ml
RT: 4.461 min Scan# 1166
Delta R.T. 0.000 min
Lab File: AP91202.D
Acq: 2 Dec 2025 11:32 pm

Tgt Ion:106 Resp: 60329

Ion	Ratio	Lower	Upper
106	100		
107	87.6	75.7	113.5
79	15.0	11.8	17.8

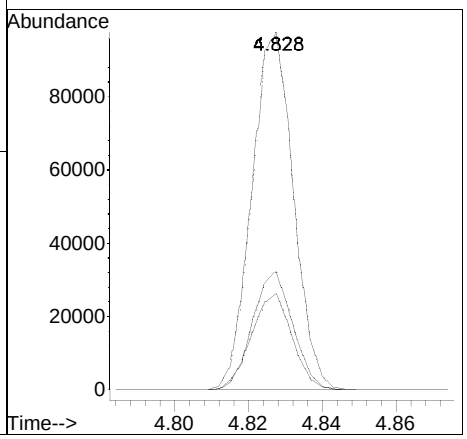


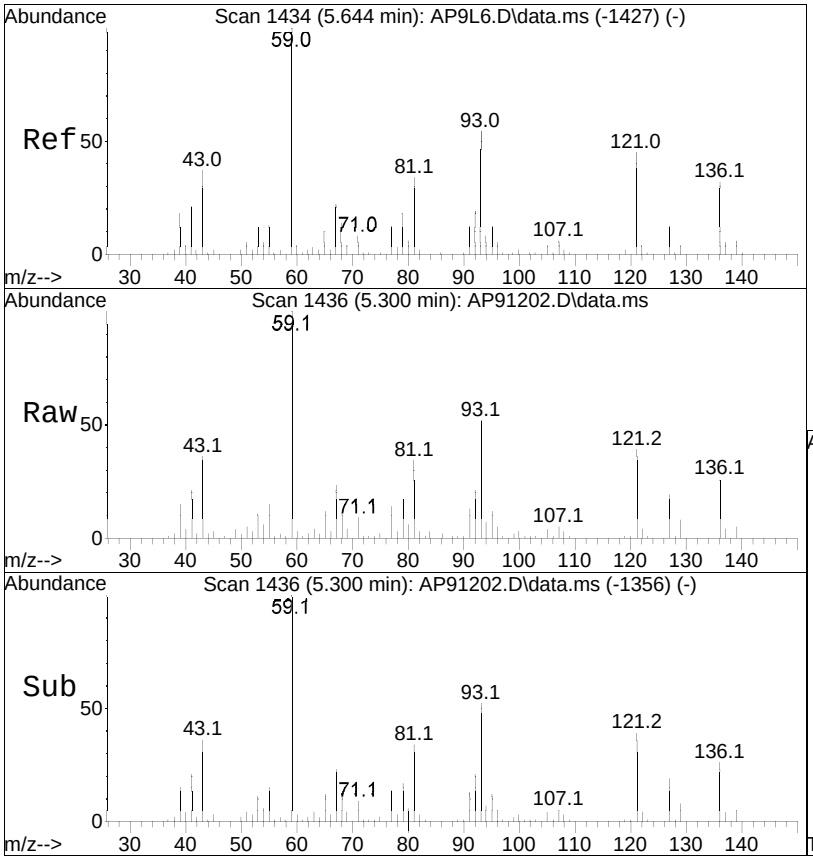


#31
2-Chloroaniline
Concen: 4.23 ug/ml
RT: 4.828 min Scan# 1284
Delta R.T. 0.000 min
Lab File: AP91202.D
Acq: 2 Dec 2025 11:32 pm

Tgt Ion:127 Resp: 75794

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.9	38.9
65	26.5	26.3	39.5

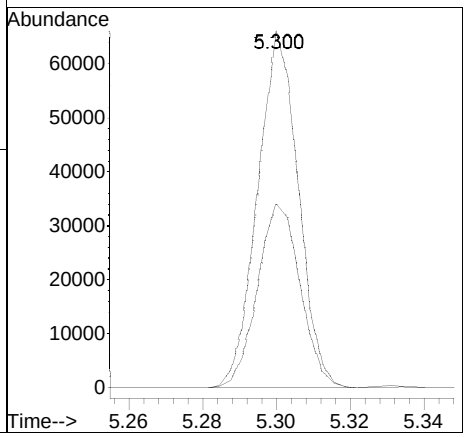


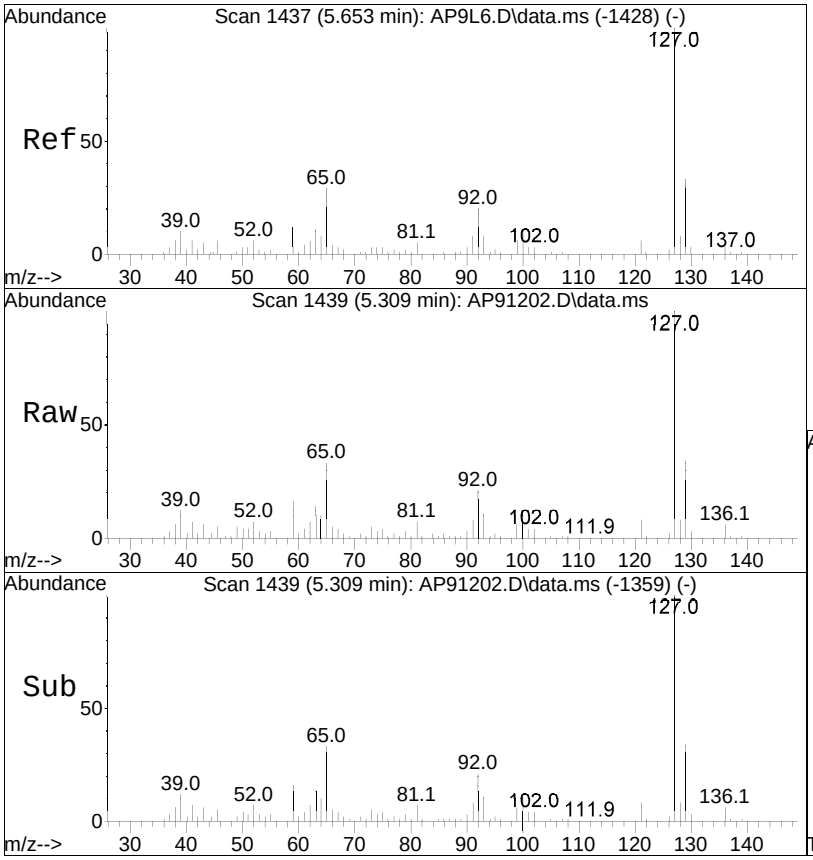


#56
a-Terpineol
Concen: 4.93 ug/ml
RT: 5.300 min Scan# 1436
Delta R.T. 0.000 min
Lab File: AP91202.D
Acq: 2 Dec 2025 11:32 pm

Tgt Ion: 59 Resp: 50301

Ion	Ratio	Lower	Upper
59	100		
93	54.4	35.6	53.4#

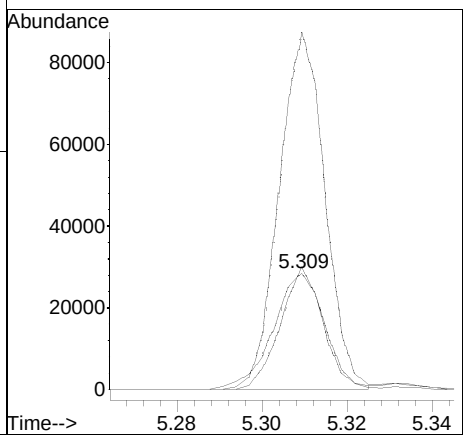


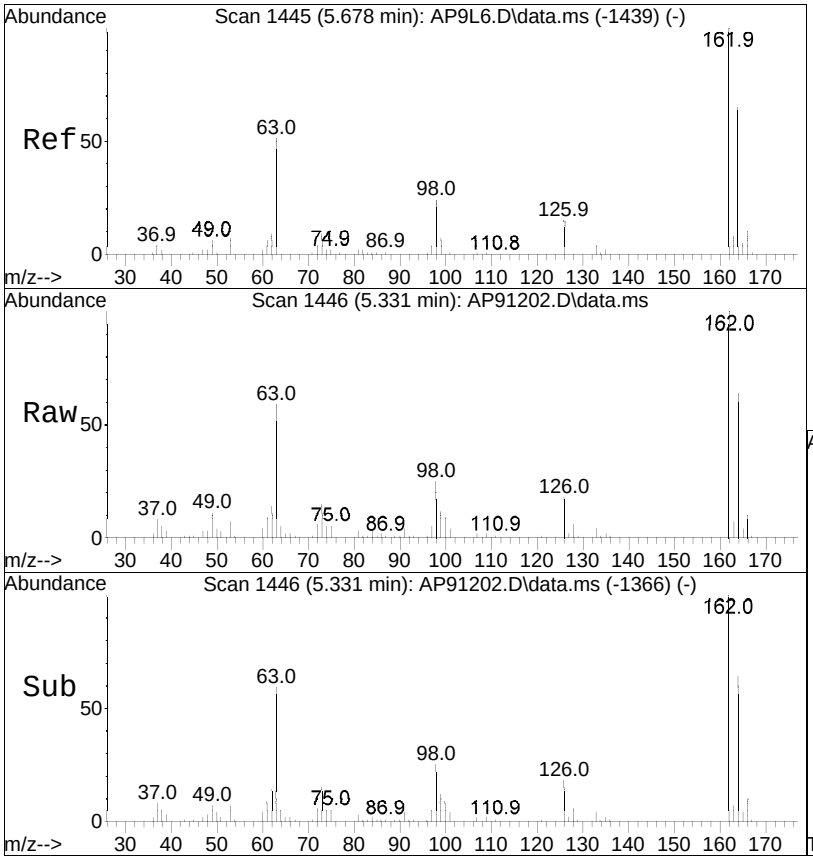


#57
3-Chloroaniline
Concen: 5.35 ug/ml
RT: 5.309 min Scan# 1439
Delta R.T. 0.000 min
Lab File: AP91202.D
Acq: 2 Dec 2025 11:32 pm

Tgt Ion: 65 Resp: 23387

Ion	Ratio	Lower	Upper
65	100		
127	280.1	243.2	364.8
129	91.0	78.8	118.2

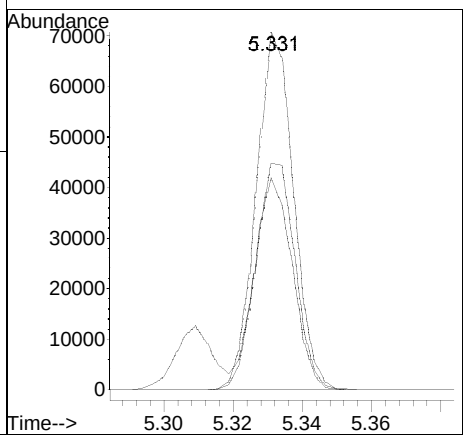


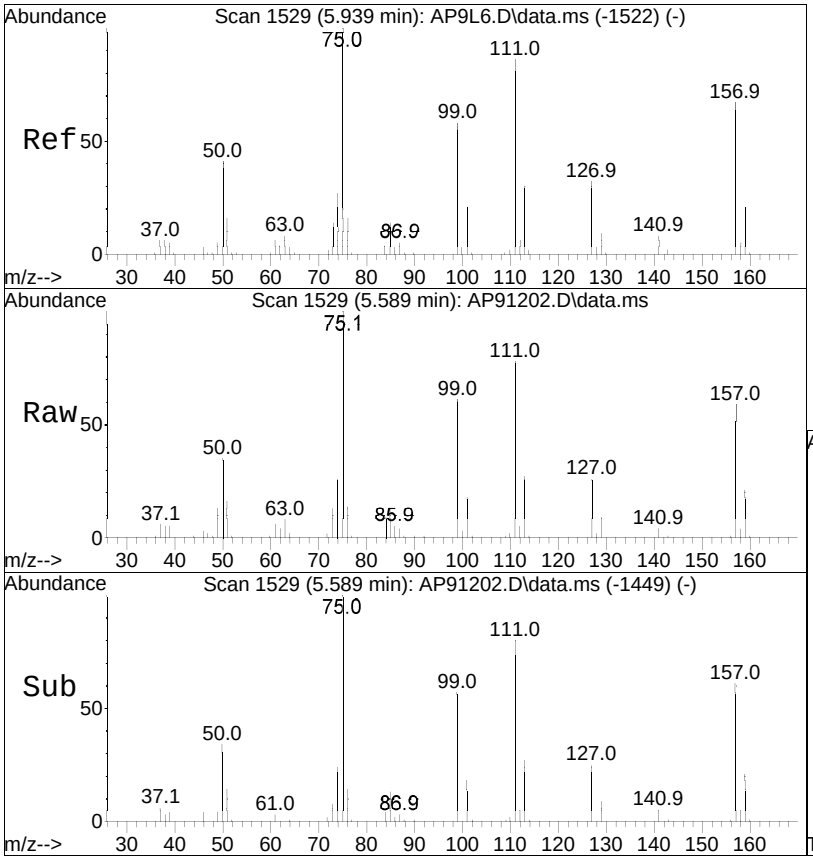


#58
2,6-Dichlorophenol
Concen: 4.85 ug/ml
RT: 5.331 min Scan# 1446
Delta R.T. 0.000 min
Lab File: AP91202.D
Acq: 2 Dec 2025 11:32 pm

Tgt Ion:162 Resp: 52843

Ion	Ratio	Lower	Upper
162	100		
164	66.6	51.1	76.7
63	60.1	60.8	91.2#

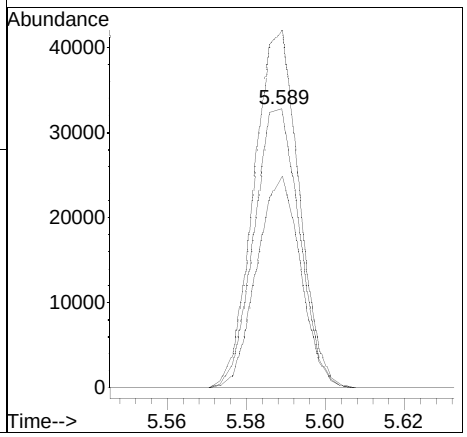


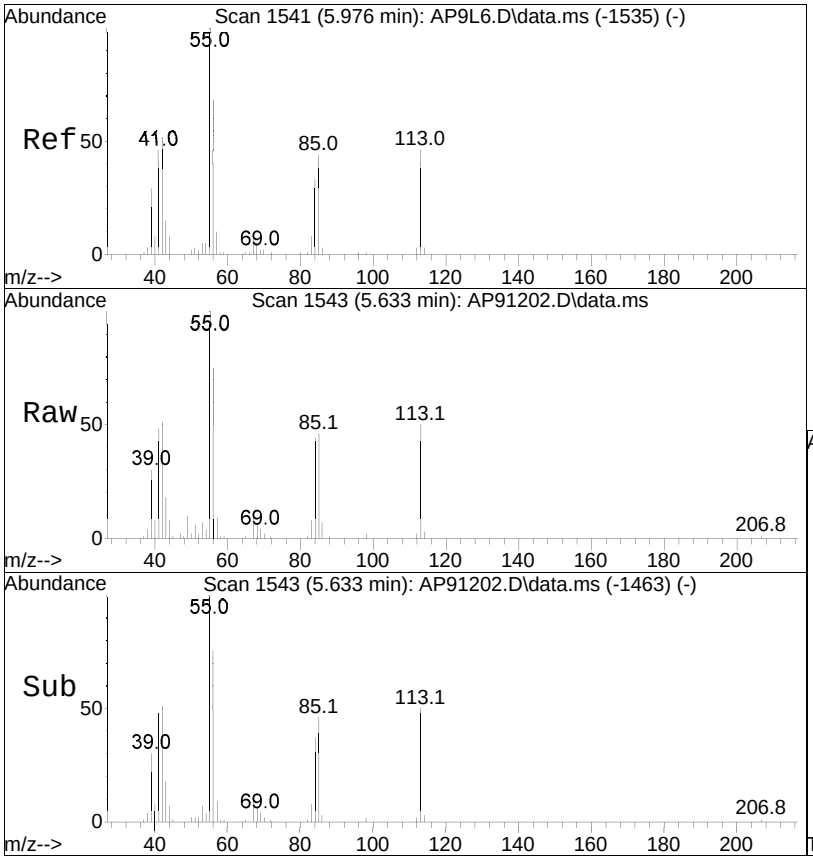


#59
1-chloro-2-nitrobenzene
Concen: 5.05 ug/ml
RT: 5.589 min Scan# 1529
Delta R.T. 0.000 min
Lab File: AP91202.D
Acq: 2 Dec 2025 11:32 pm

Tgt Ion:111 Resp: 25991

Ion	Ratio	Lower	Upper
111	100		
157	73.6	0.0	0.0#
75	127.3	28.2	42.2#

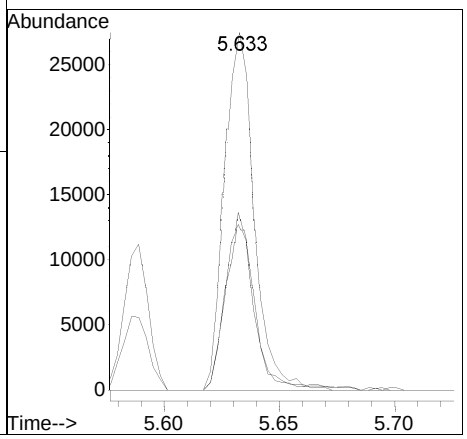


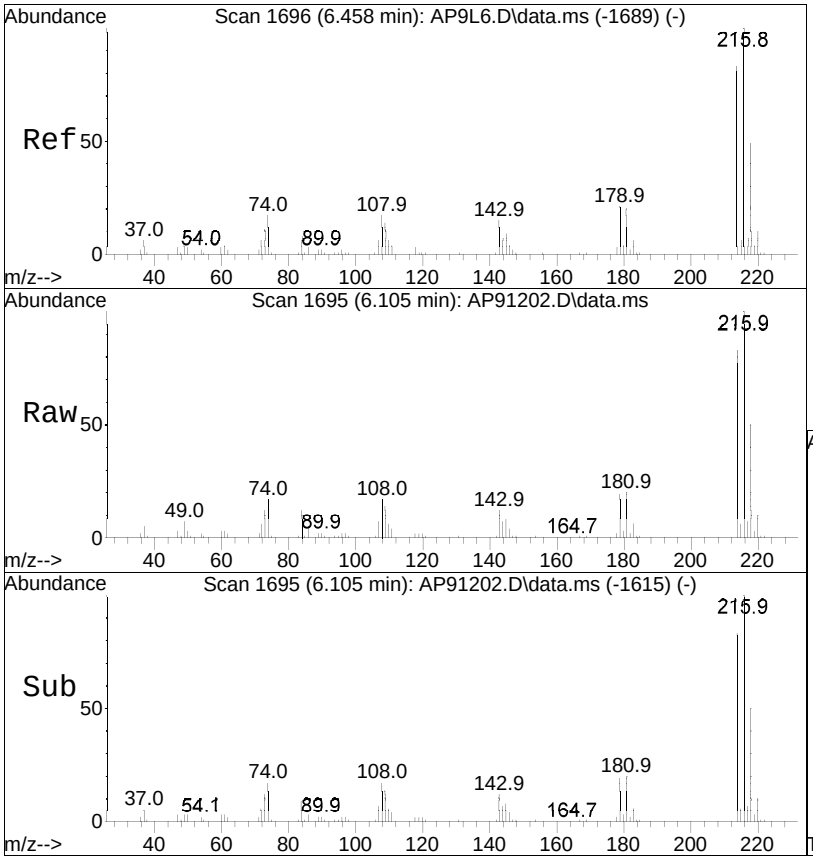


#60
Caprolactam
Concen: 4.58 ug/ml
RT: 5.633 min Scan# 1543
Delta R.T. 0.000 min
Lab File: AP91202.D
Acq: 2 Dec 2025 11:32 pm

Tgt Ion: 55 Resp: 24808

Ion	Ratio	Lower	Upper
55	100		
85	45.3	19.8	29.6#
113	46.8	29.6	44.4#

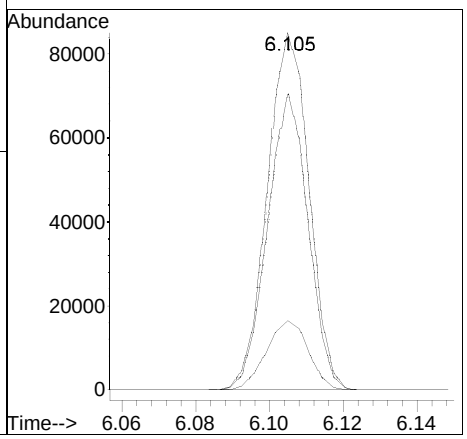


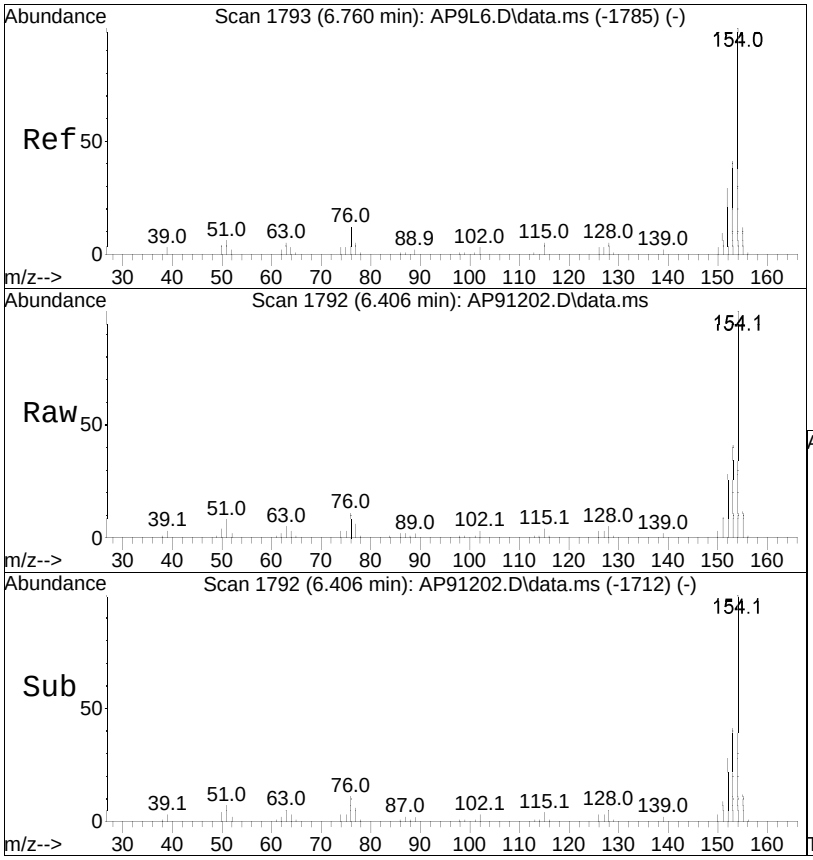


#61
1,2,4,5-Tetrachlorobenzene
Concen: 4.67 ug/ml
RT: 6.105 min Scan# 1695
Delta R.T. 0.000 min
Lab File: AP91202.D
Acq: 2 Dec 2025 11:32 pm

Tgt Ion:216 Resp: 66666

Ion	Ratio	Lower	Upper
216	100		
214	80.4	63.7	95.5
179	19.7	19.0	28.6

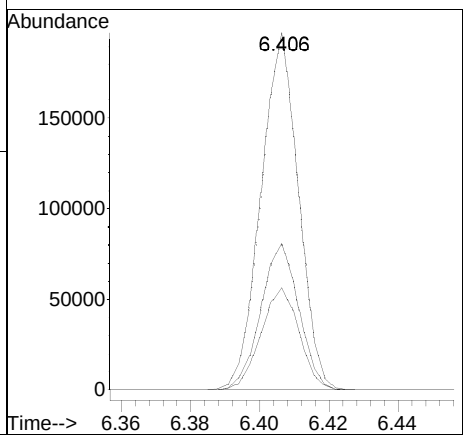


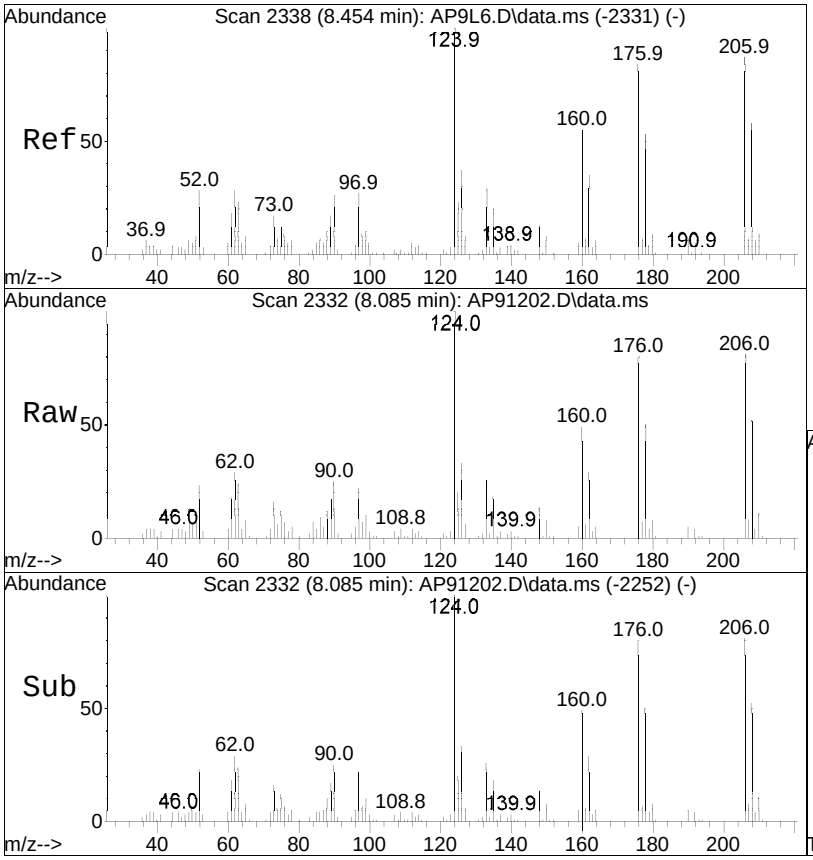


#62
Biphenyl
Concen: 4.14 ug/ml
RT: 6.406 min Scan# 1792
Delta R.T. 0.000 min
Lab File: AP91202.D
Acq: 2 Dec 2025 11:32 pm

Tgt Ion:154 Resp: 147448

Ion	Ratio	Lower	Upper
154	100		
153	41.8	32.3	48.5
152	29.3	22.5	33.7

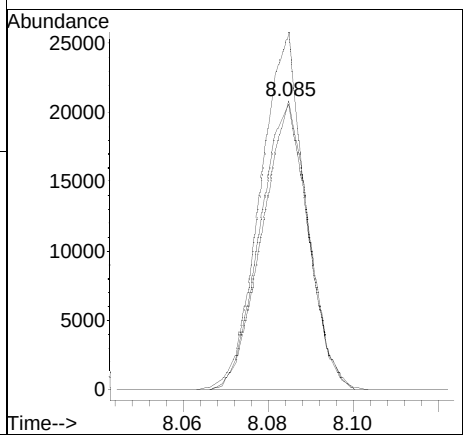


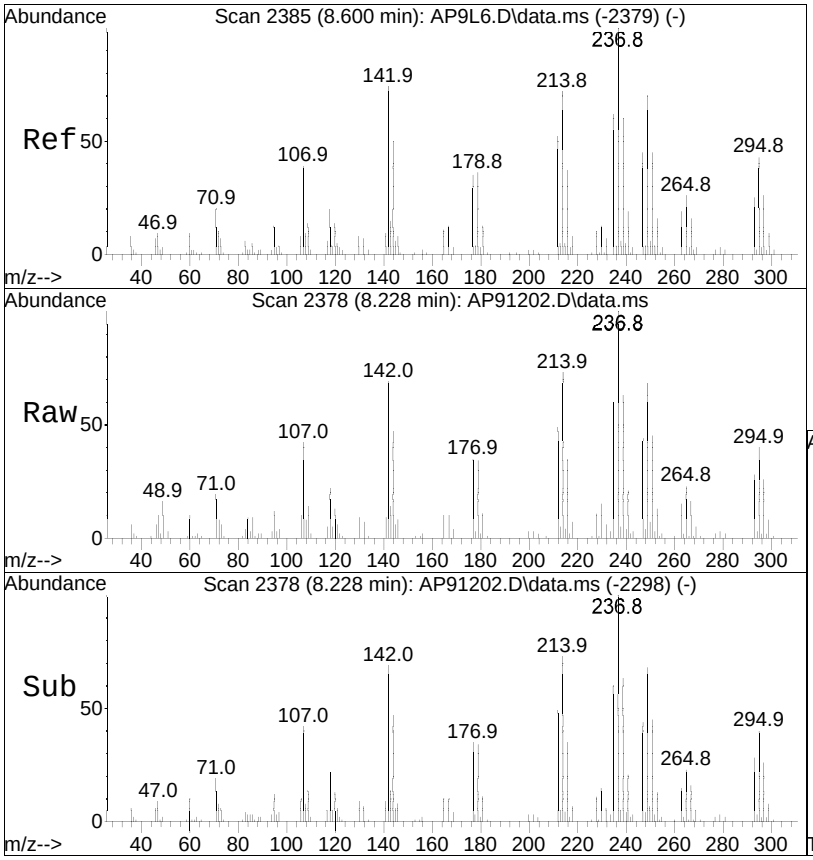


#84
Dichloran
Concen: 4.33 ug/ml
RT: 8.085 min Scan# 2332
Delta R.T. 0.000 min
Lab File: AP91202.D
Acq: 2 Dec 2025 11:32 pm

Tgt Ion:206 Resp: 15704

Ion	Ratio	Lower	Upper
206	100		
176	102.6	104.6	157.0#
124	121.1	130.5	195.7#

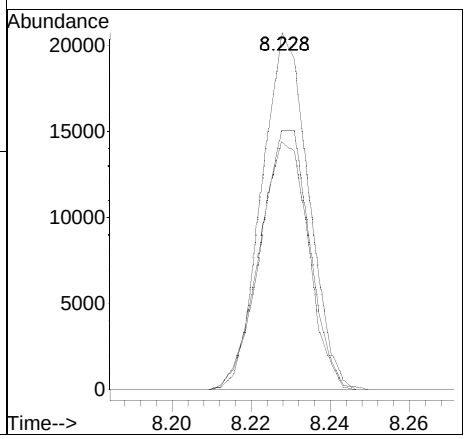


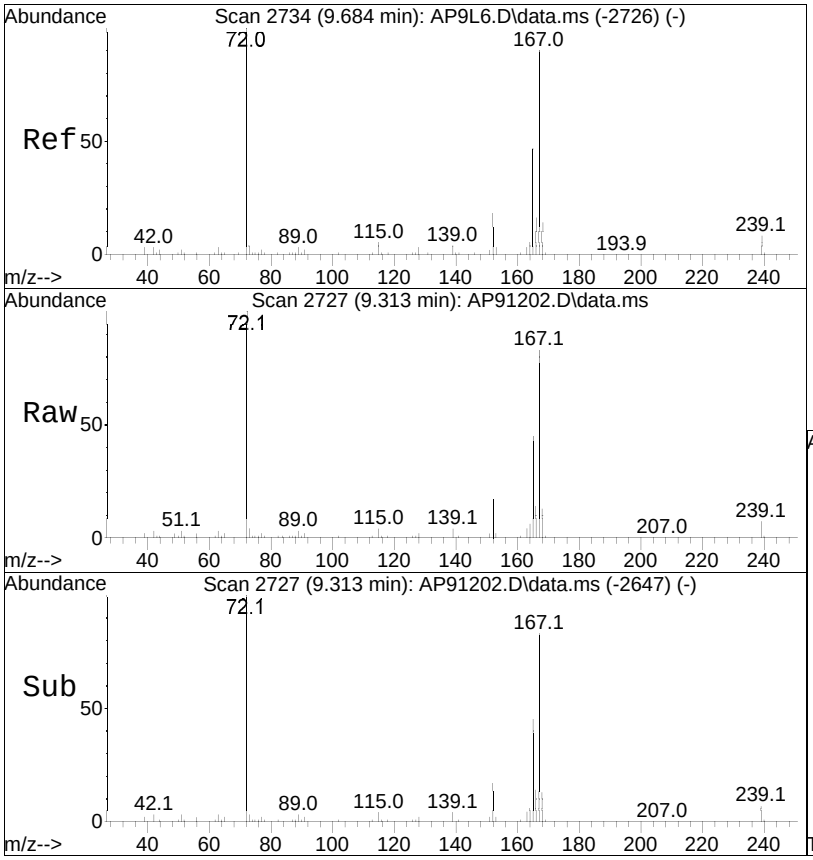


#85
Pentachloronitrobenzene
Concen: 4.84 ug/ml
RT: 8.228 min Scan# 2378
Delta R.T. 0.000 min
Lab File: AP91202.D
Acq: 2 Dec 2025 11:32 pm

Tgt Ion:237 Resp: 17127

Ion	Ratio	Lower	Upper
237	100		
142	72.2	77.0	115.4#
214	76.5	58.2	87.4

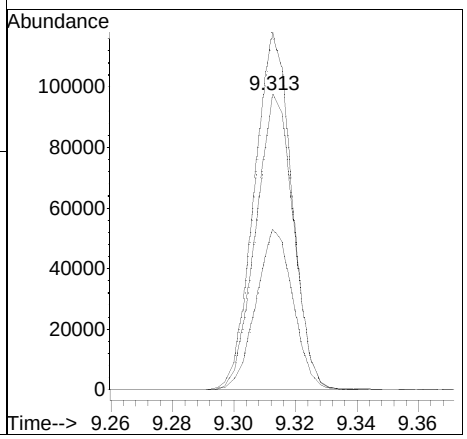




#99
Diphenamid
Concen: 3.95 ug/ml
RT: 9.313 min Scan# 2727
Delta R.T. 0.000 min
Lab File: AP91202.D
Acq: 2 Dec 2025 11:32 pm

Tgt Ion:167 Resp: 82509

Ion	Ratio	Lower	Upper
167	100		
72	120.1	109.7	164.5
165	53.9	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\SV106\251202RVT\	QMethod	: FS250827SV106.m
Data File	: AP91202.D	Operator	: SV106:smz
Date Inj'd	: 12/2/2025 11:32 pm	Instrument	: SV 106
Sample	: wg2148721-4,32,,AP9 RVT IC	Quant Date	: 12/2/2025 11:53 pm

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

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\251202RVT\
Data File : ADP1202.D
Acq On : 2 Dec 2025 11:54 pm
Operator : SV106:smz
Sample : wg2148721-5,32,,ADP RVT CCV Lot # 12057
Misc : wg2148721,,ical22591
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Dec 03 00:12:05 2025
Quant Method : I:\8270\SV106\251202RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 03 00:12:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	135	0.00
33	t	1,4-Dioxane		0.477	0.442	7.3	132	0.00
34	T	n-Decane		1.449	1.267	12.6	121	0.00
86	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	132	0.00
87	T	Atrazine		0.372	0.322	13.4	112	0.00
100	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	128	0.00
101	T	n-Octadecane		0.480	0.427	11.0	112	0.00
102	T	Parathion	*	5.000	4.242	15.2	126	0.00
103	T	3,3'-Dimethylbenzidine	*	5.000	3.942	21.2#	98	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\251202RVT\
Data File : ADP1202.D
Acq On : 2 Dec 2025 11:54 pm
Operator : SV106:smz
Sample : wg2148721-5,32,,ADP RVT CCV Lot # 12057
Misc : wg2148721,,ical22591
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Dec 03 00:12:05 2025
Quant Method : I:\8270\SV106\251202RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 03 00:12:38 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	3.939	152	42649	4.000	ug/ml	0.00
86)	IS3_Acenaphthene-d10	6.938	164	91579	4.000	ug/ml	0.00
100)	IS3_Phenanthrene-d10	8.371	188	179567M3	4.000	ug/ml	0.00
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.070	88	23565	4.636	ug/ml#	83
34)	n-Decane	3.861	57	67536	4.370	ug/ml#	40
87)	Atrazine	8.187	200	36828	4.325	ug/ml	94
101)	n-Octadecane	8.414	57	95762	4.446	ug/ml#	1
102)	Parathion	9.198	109	23684	4.242	ug/ml	95
103)	3,3'-Dimethylbenzidine	10.447	212	110770	3.942	ug/ml	98

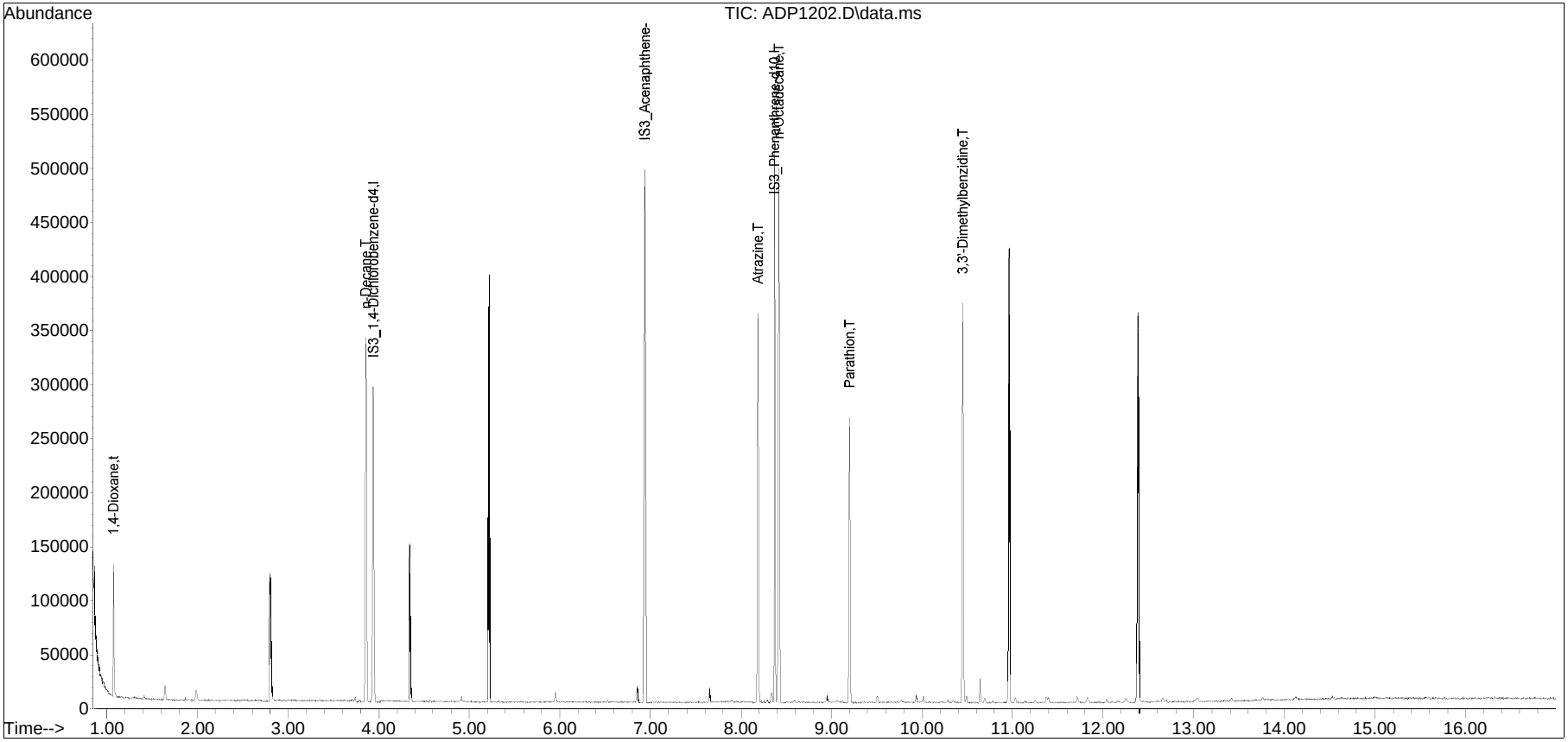
(#) = qualifier out of range (m) = manual integration (+) = signals summed

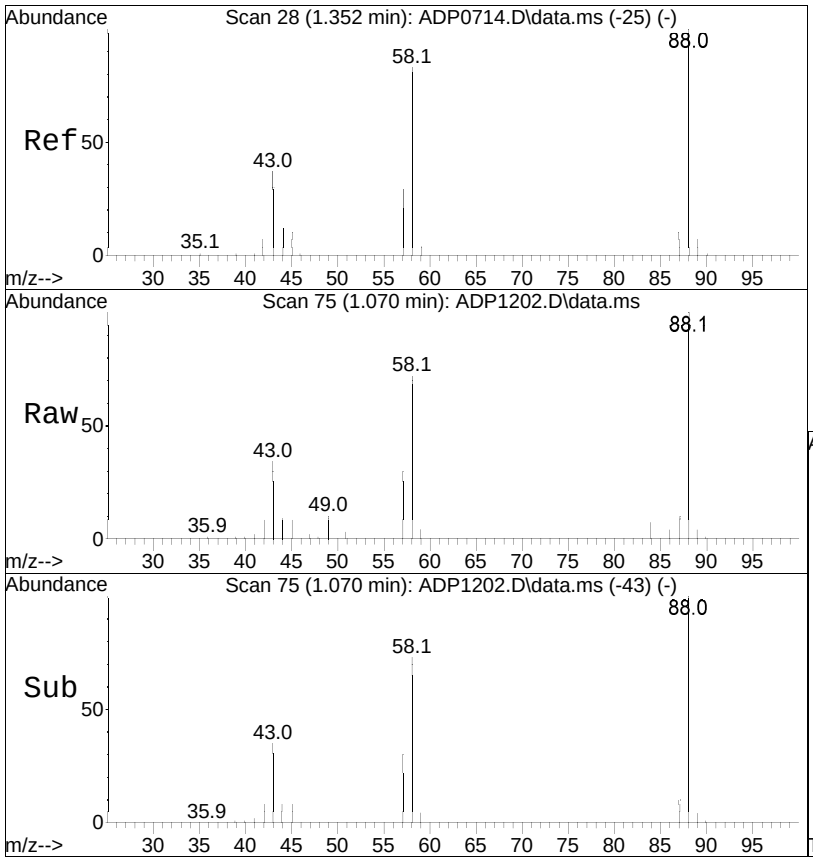
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\251202RVT\
Data File : ADP1202.D
Acq On : 2 Dec 2025 11:54 pm
Operator : SV106:smz
Sample : wg2148721-5,32,,ADP RVT CCV Lot # 12057
Misc : wg2148721,,ical22591
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Dec 03 00:12:05 2025
Quant Method : I:\8270\SV106\251202RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 03 00:12:38 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

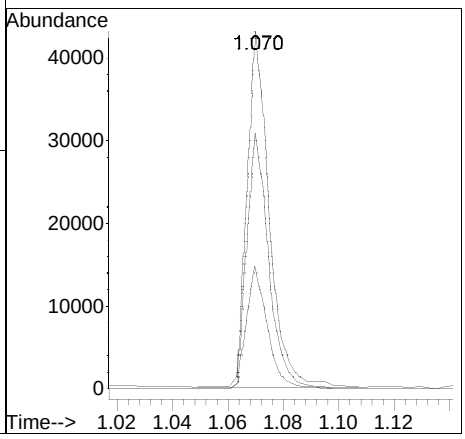


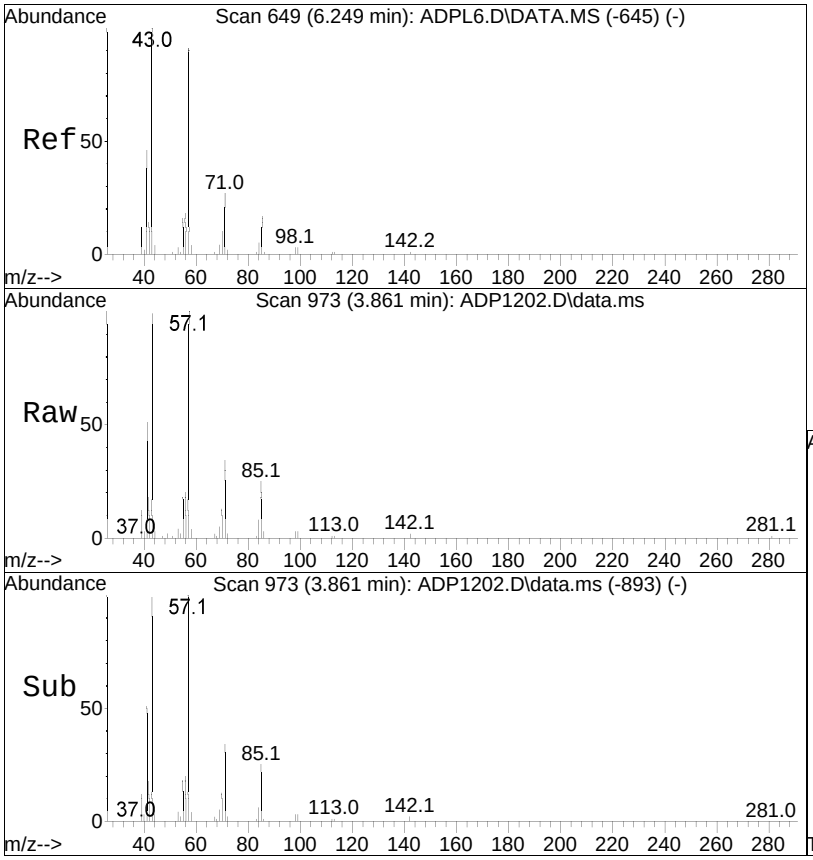


#33
1,4-Dioxane
Concen: 4.64 ug/ml
RT: 1.070 min Scan# 75
Delta R.T. 0.000 min
Lab File: ADP1202.D
Acq: 2 Dec 2025 11:54 pm

Tgt Ion: 88 Resp: 23565

Ion	Ratio	Lower	Upper
88	100		
58	71.2	44.8	67.2#
43	32.7	22.4	33.6

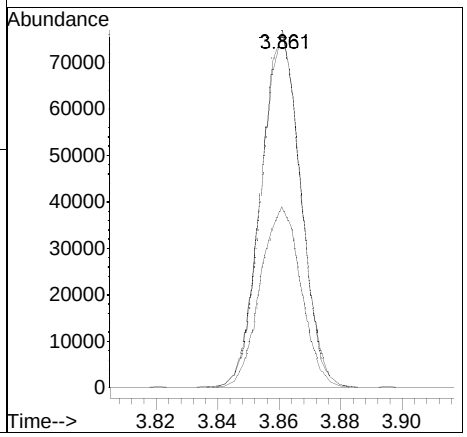


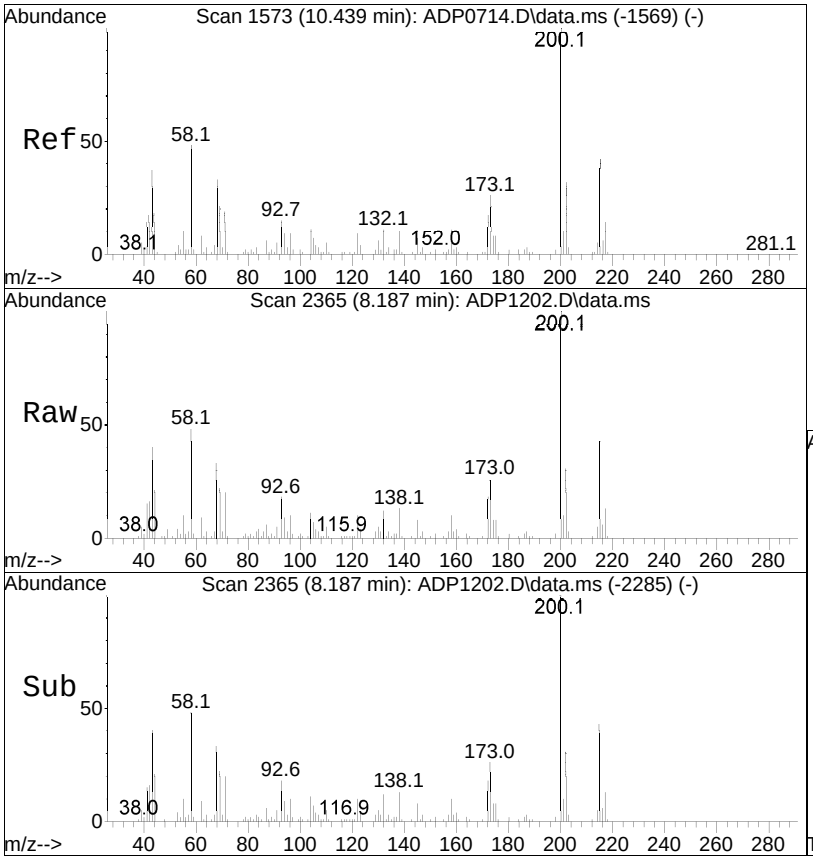


#34
n-Decane
Concen: 4.37 ug/ml
RT: 3.861 min Scan# 973
Delta R.T. 0.000 min
Lab File: ADP1202.D
Acq: 2 Dec 2025 11:54 pm

Tgt Ion: 57 Resp: 67536

Ion	Ratio	Lower	Upper
57	100		
43	101.6	0.2	0.2#
41	52.8	0.2	0.2#

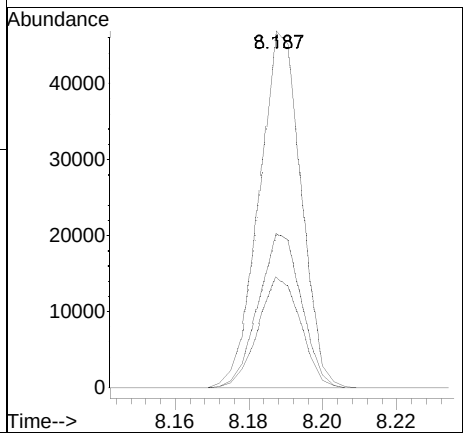


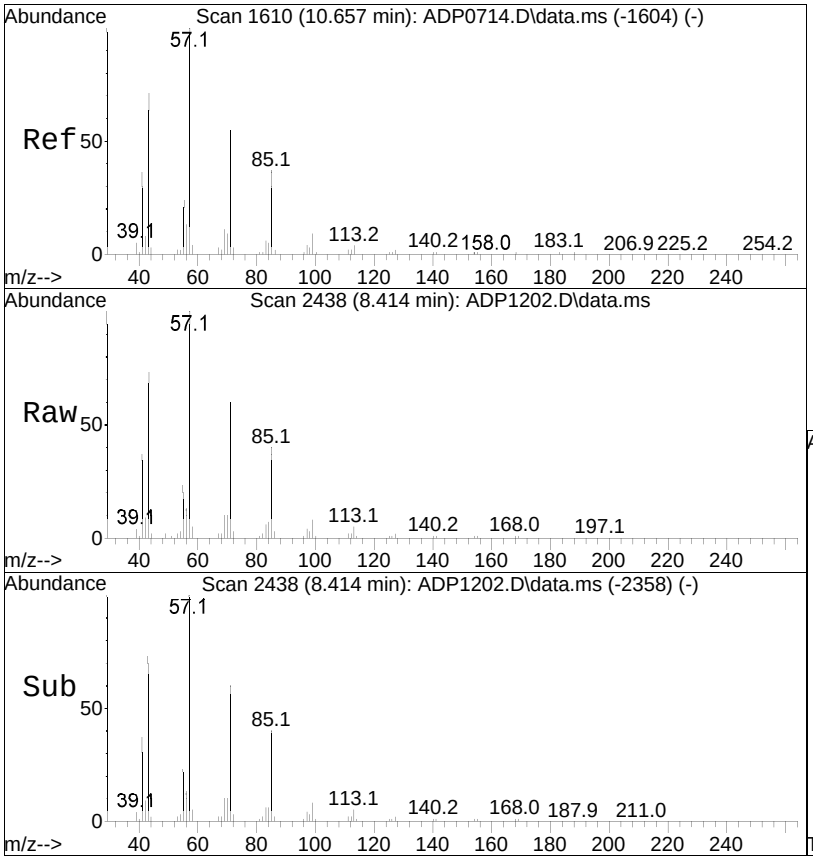


#87
Atrazine
Concen: 4.32 ug/ml
RT: 8.187 min Scan# 2365
Delta R.T. 0.000 min
Lab File: ADP1202.D
Acq: 2 Dec 2025 11:54 pm

Tgt Ion:200 Resp: 36828

Ion	Ratio	Lower	Upper
200	100		
202	31.6	25.8	38.6
215	44.2	40.2	60.4

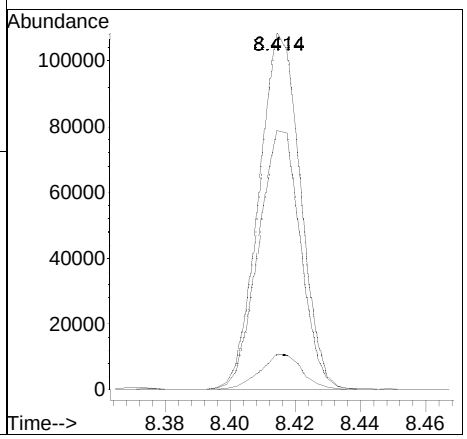


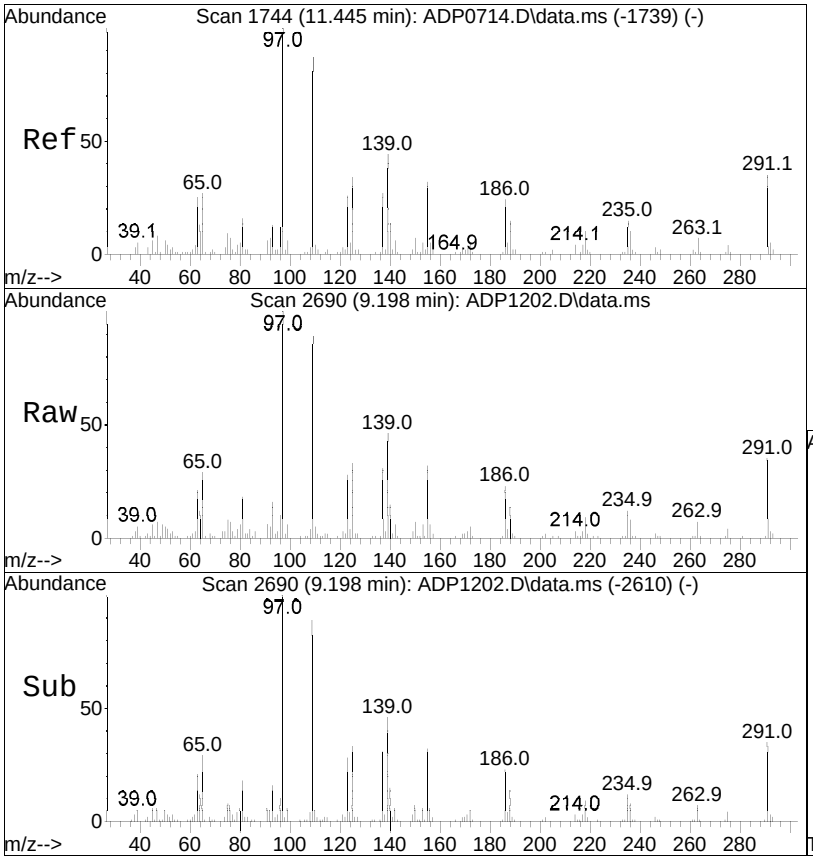


#101
n-Octadecane
Concen: 4.45 ug/ml
RT: 8.414 min Scan# 2438
Delta R.T. 0.000 min
Lab File: ADP1202.D
Acq: 2 Dec 2025 11:54 pm

Tgt Ion: 57 Resp: 95762

Ion	Ratio	Lower	Upper
57	100		
43	73.7	9.0	13.6#
70	10.0	0.2	0.2#

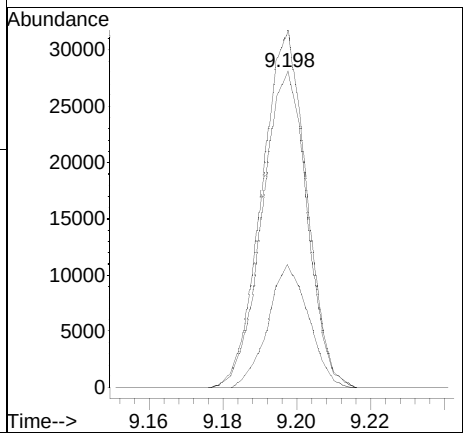


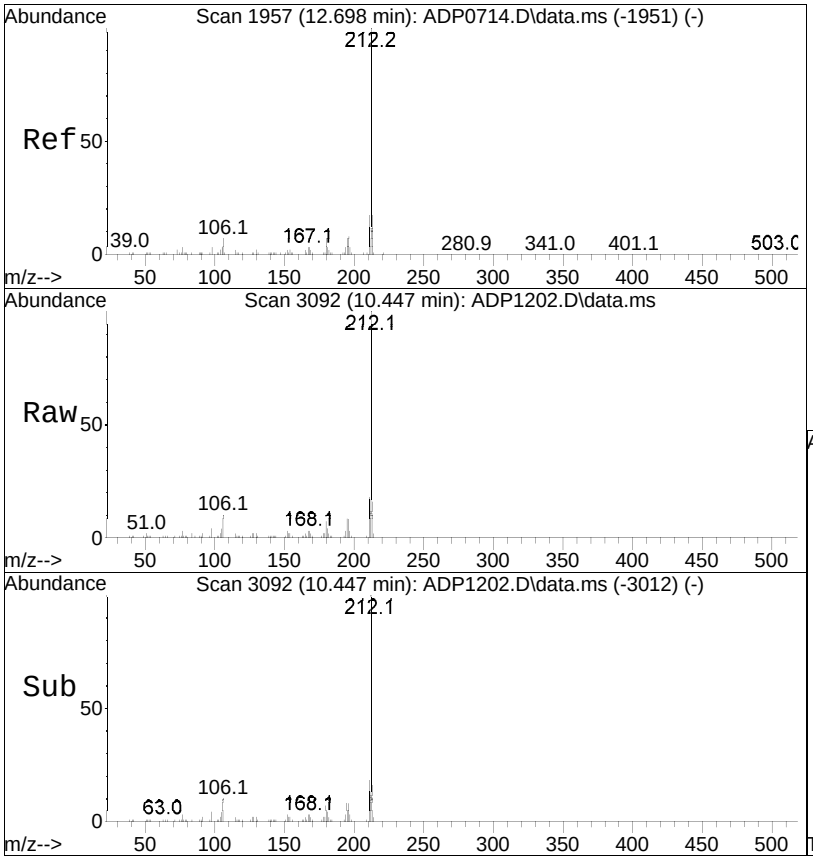


#102
Parathion
Concen: 4.24 ug/ml
RT: 9.198 min Scan# 2690
Delta R.T. 0.000 min
Lab File: ADP1202.D
Acq: 2 Dec 2025 11:54 pm

Tgt Ion:109 Resp: 23684

Ion	Ratio	Lower	Upper
109	100		
97	112.1	87.4	131.2
291	35.5	34.2	51.2

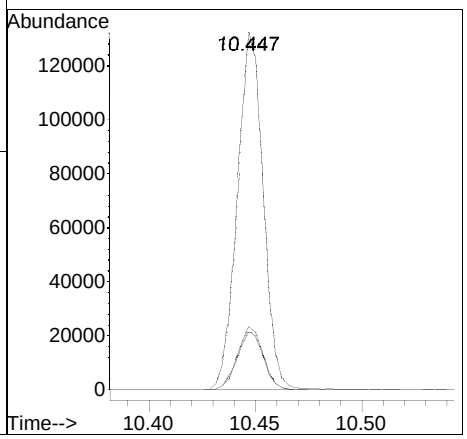




#103
3,3'-Dimethylbenzidine
Concen: 3.94 ug/ml
RT: 10.447 min Scan# 3092
Delta R.T. 0.000 min
Lab File: ADP1202.D
Acq: 2 Dec 2025 11:54 pm

Tgt Ion:212 Resp: 110770

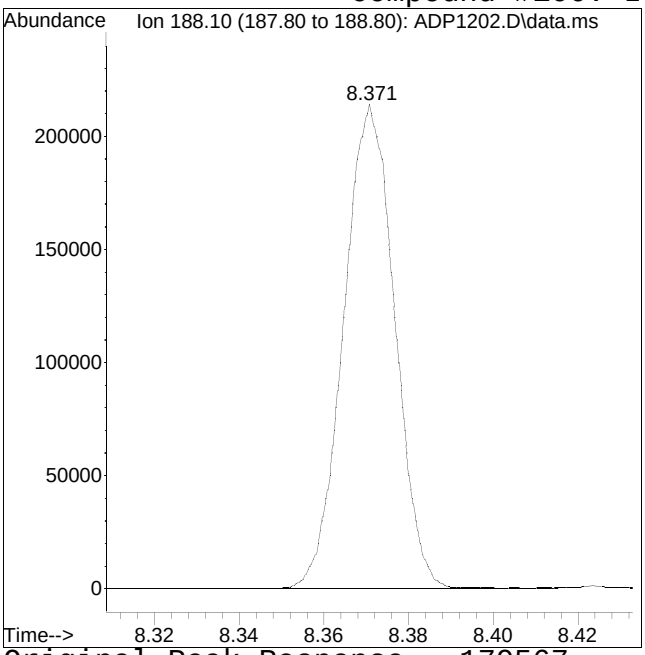
Ion	Ratio	Lower	Upper
212	100		
211	17.6	12.9	19.3
213	16.6	13.2	19.8

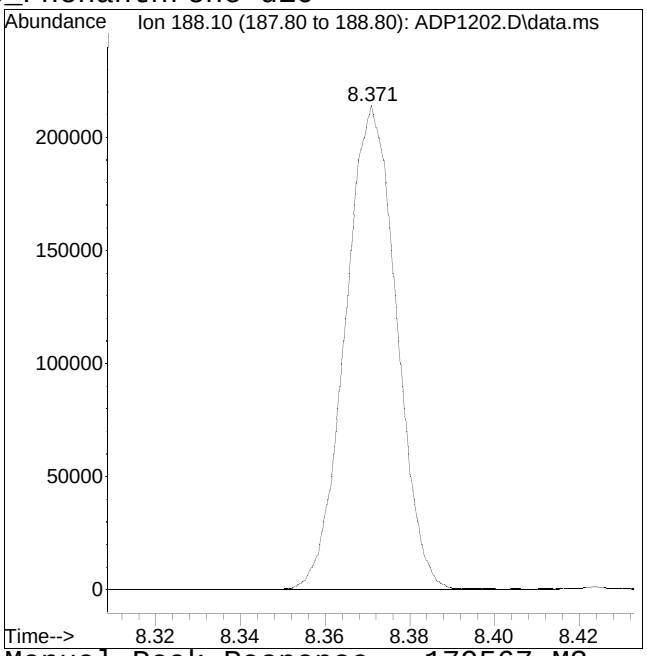


Manual Integration Report

Data Path : I:\8270\SV106\251202RVT\ QMethod : FS250827SV106.m
Data File : ADP1202.D Operator : SV106:smz
Date Inj'd : 12/2/2025 11:54 pm Instrument : SV 106
Sample : wg2148721-5,32,,ADP RVT CCQuant Date : 12/3/2025 0:12 am

Compound #100: IS3_Phenanthrene-d10





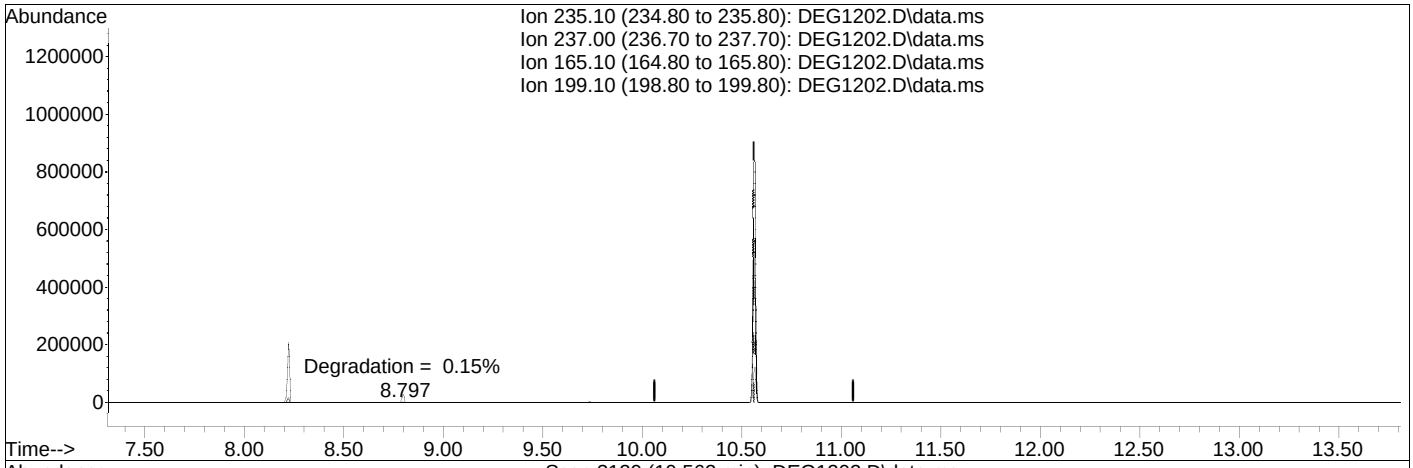
Original Peak Response = 179567 Manual Peak Response = 179567 M3

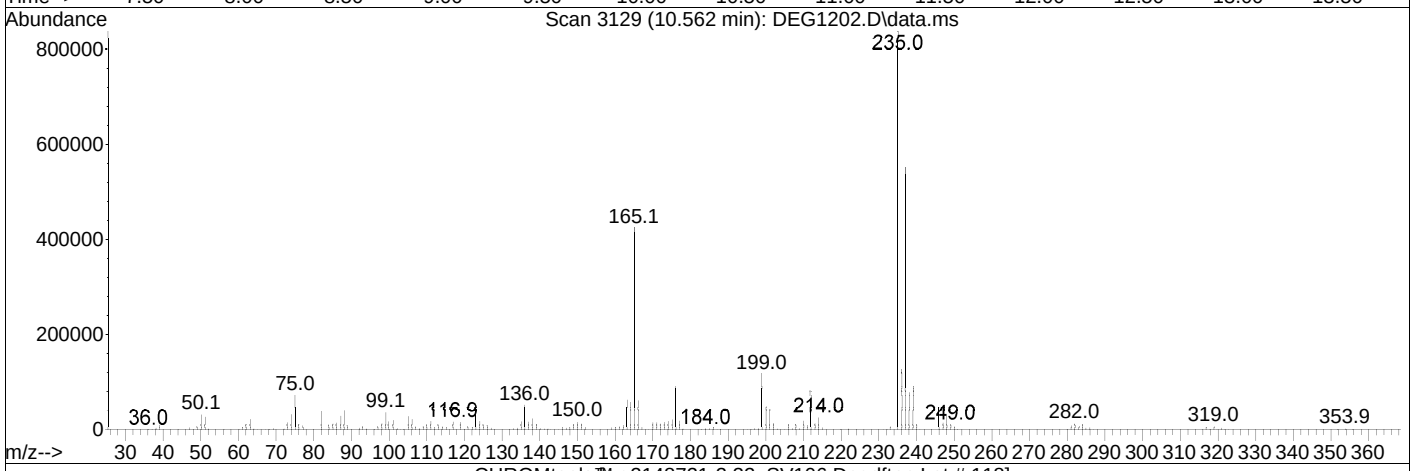
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\251202RVT\
Data File : DEG1202.D
Acq On : 2 Dec 2025 10:49 pm
Operator : SV106:smz
Sample : wg2148721-2,32,,SV106 Degdftpp Lot # 118
Misc : wg2148721,,ical22591
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Dec 02 23:07:19 2025
Quant Method : I:\8270\SV106\251202RVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 02 23:08:00 2025
Response via : Initial Calibration





CHROMtools [wg2148721-2,32,,SV106 Degdftpp Lot # 118]

(6) DDT (T)

10.562min (+ 0.000) 127.80

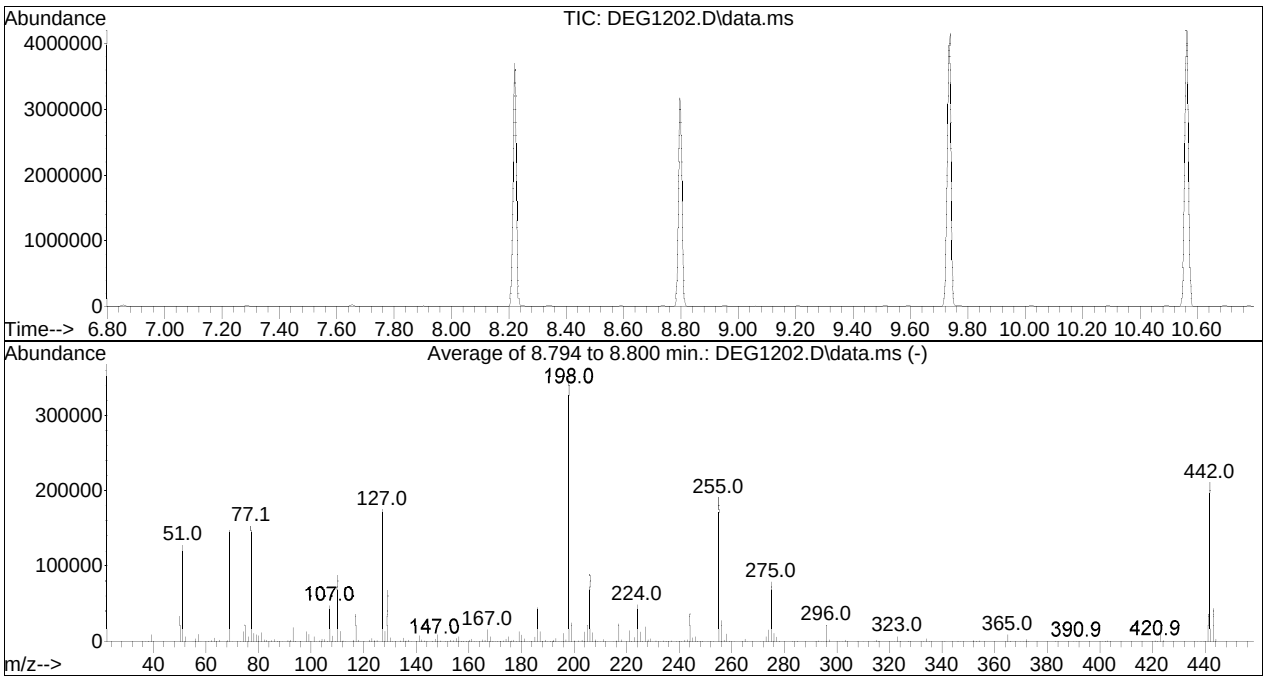
response 779035

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	65.54
165.10	44.50	49.79
199.10	14.80	14.14

Data Path : I:\8270\SV106\251202RVT\
Data File : DEG1202.D
Acq On : 2 Dec 2025 10:49 pm
Operator : SV106:smz
Sample : wg2148721-1,32,,SV106 Degdftpp Lot # 118
Misc : wg2148721,,ical22591
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\251202RVT\FS250827SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Dec 03 09:24:17 2025



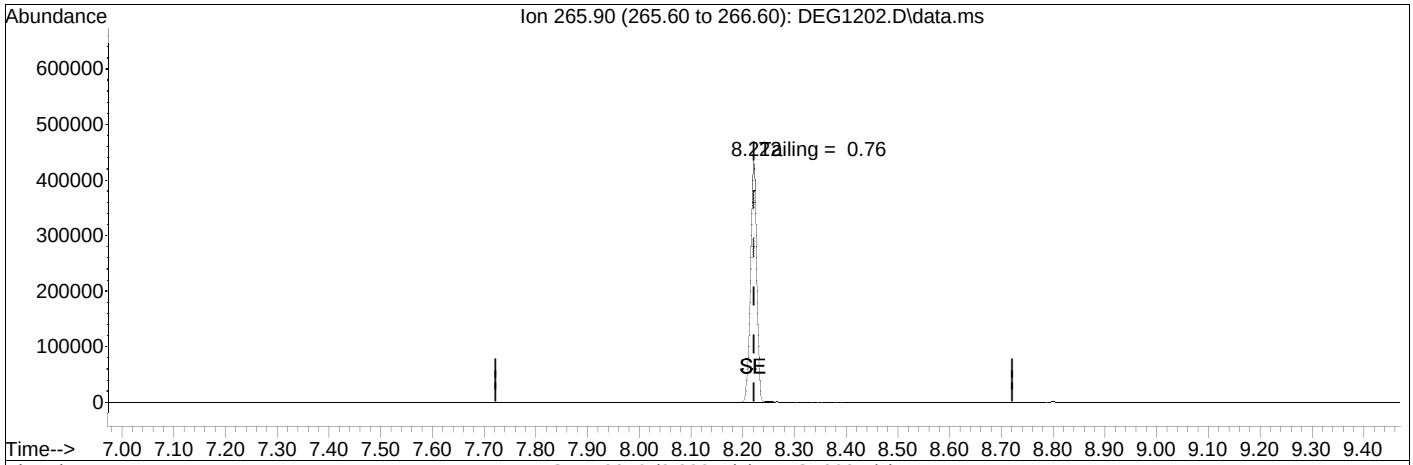
Spectrum Information: Average of 8.794 to 8.800 min.

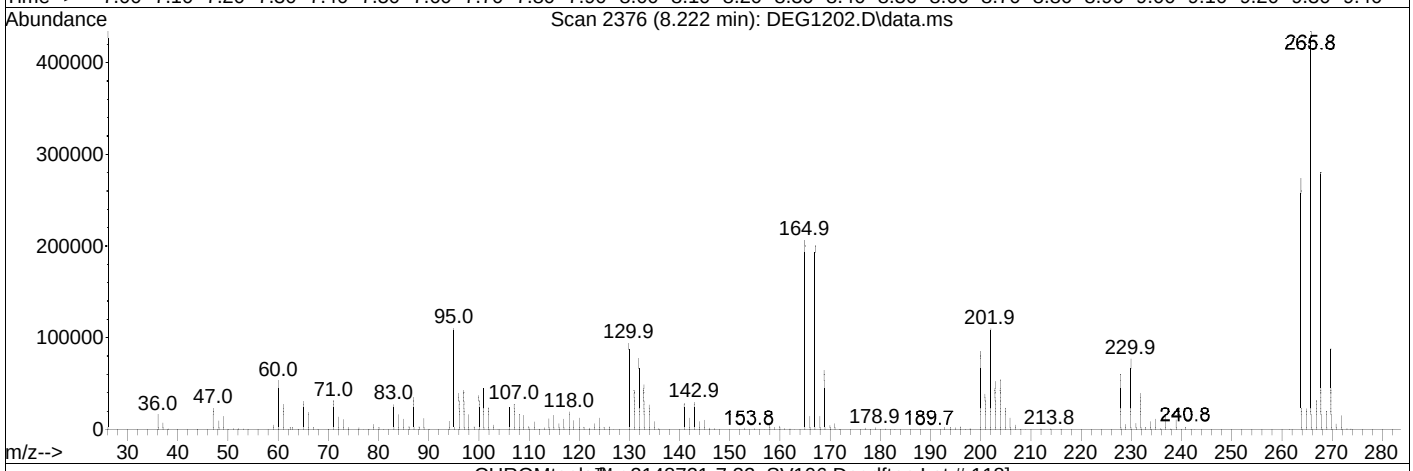
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	36.4	127294	PASS
68	69	0.00	2	1.6	2298	PASS
69	69	100	100	100.0	147648	PASS
70	69	0.00	2	0.4	573	PASS
127	198	10	80	49.9	174635	PASS
197	198	0.00	2	0.8	2936	PASS
198	198	100	100	100.0	350101	PASS
199	198	5	9	6.9	24200	PASS
275	198	10	60	22.6	78987	PASS
365	198	1	100	2.5	8881	PASS
441	442	0.01	24	17.1	35933	PASS
442	198	50	100	60.2	210645	PASS
443	442	15	24	20.8	43915	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\251202RVT\
Data File : DEG1202.D
Acq On : 2 Dec 2025 10:49 pm
Operator : SV106:smz
Sample : wg2148721-7,32,,SV106 Degdftpp Lot # 118
Misc : wg2148721,,ical22591
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Dec 02 23:07:19 2025
Quant Method : I:\8270\SV106\251202RVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 02 23:08:00 2025
Response via : Initial Calibration





CHROMtools [wg2148721-7,32,,SV106 Degdftpp Lot # 118]

(1) Pentachlorophenol (T)

8.222min (-0.000) 162.90

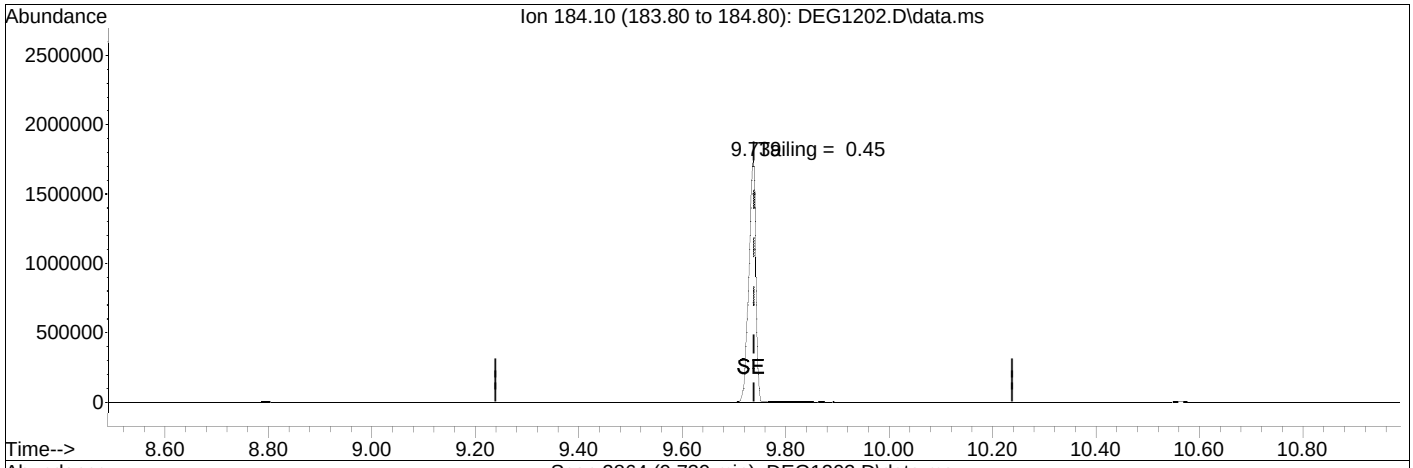
response 342151

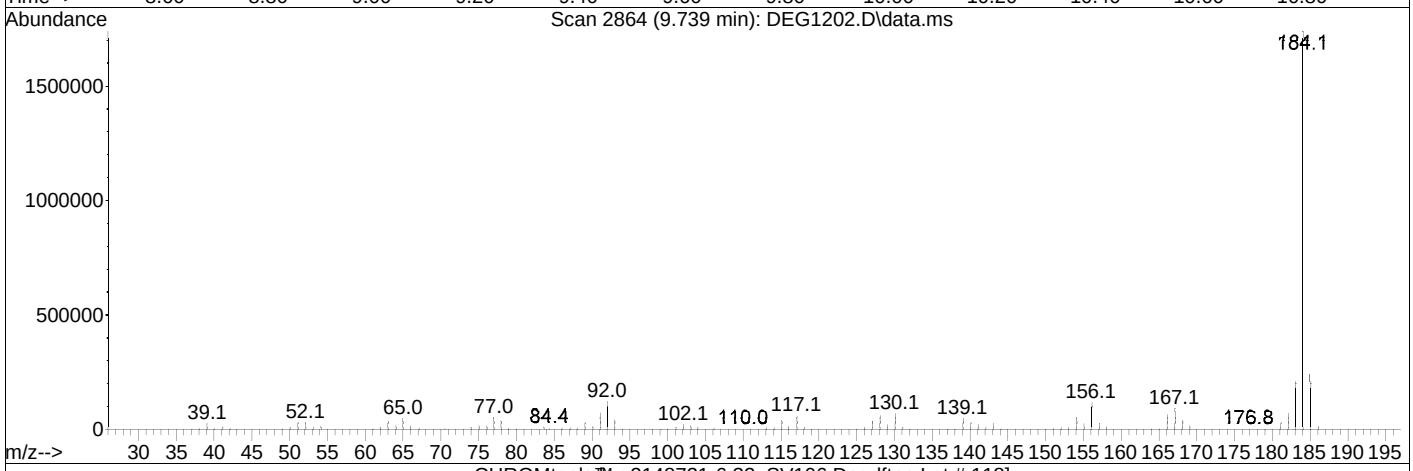
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\251202RVT\
Data File : DEG1202.D
Acq On : 2 Dec 2025 10:49 pm
Operator : SV106:smz
Sample : wg2148721-6,32,,SV106 Degdftpp Lot # 118
Misc : wg2148721,,ical22591
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Dec 02 23:07:19 2025
Quant Method : I:\8270\SV106\251202RVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 02 23:08:00 2025
Response via : Initial Calibration





CHROMtools [wg2148721-6,32,,SV106 Degdftpp Lot # 118]

(3) Benzidine (T)

9.739min (-0.000) 153.55

response 1563124

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Semivolatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-1.D
Acq On : 29 Nov 2025 12:16 pm
Operator : SV112:smz
Sample : WG2147284-1,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 01 08:38:22 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:10:19 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\251129RVTb\ABN1129.D
: 2 - I:\8270\SV112\251129RVTb\ADP1129.D
: 3 - I:\8270\SV112\251129RVTb\AP91129.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.740	152	31559	4.000	ug/ml	0.00
Standard Area 1 = 32512			Recovery = 97.07%			
27) IS2_1,4-Dichlorobenzen...	3.740	152	31559	4.000	ug/ml	0.00
Standard Area 3 = 31519			Recovery = 100.13%			
32) IS3_1,4-Dichlorobenzen...	3.740	152	31559	4.000	ug/ml	0.00
Standard Area 2 = 31322			Recovery = 100.76%			
35) IS1_Naphthalene-d8	5.005	136	116054	4.000	ug/ml	# 0.00
Standard Area 1 = 113237			Recovery = 102.49%			
55) IS2_Naphthalene-d8	5.005	136	116054	4.000	ug/ml	# 0.00
Standard Area 3 = 109964			Recovery = 105.54%			
63) IS1_Acenaphthene-d10	6.693	164	74245	4.000	ug/ml	0.00
Standard Area 1 = 73361			Recovery = 101.20%			
83) IS2_Acenaphthene-d10	6.693	164	74245	4.000	ug/ml	0.00
Standard Area 3 = 69710			Recovery = 106.51%			
86) IS3_Acenaphthene-d10	6.693	164	74245	4.000	ug/ml	0.00
Standard Area 2 = 69026			Recovery = 107.56%			
88) IS1_Phenanthrene-d10	8.099	188	174495	4.000	ug/ml	# 0.00
Standard Area 1 = 168244			Recovery = 103.72%			
100) IS3_Phenanthrene-d10	8.099	188	174495	4.000	ug/ml	# 0.00
Standard Area 2 = 161689			Recovery = 107.92%			
104) IS1_Chrysene-d12	10.628	240	182701	4.000	ug/ml	# 0.00
Standard Area 1 = 177338			Recovery = 103.02%			
113) IS1_Perylene-d12	12.004	264	176603	4.000	ug/ml	0.01
Standard Area 1 = 179604			Recovery = 98.33%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.375	112	5232	0.600	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 30.00%			
7) Phenol-d6	3.487	99	6036	0.536	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 26.80%			
19) Nitrobenzene-d5	4.316	82	7287	0.682	ug/ml	0.01
Spiked Amount 1.000	Range 30 - 130		Recovery = 68.20%			
46) 2-Fluorobiphenyl	6.093	172	17385	0.646	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 64.60%			
79) 2,4,6-Tribromophenol	7.452	330	3985	0.844	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 42.20%			

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-1.D
Acq On : 29 Nov 2025 12:16 pm
Operator : SV112:smz
Sample : WG2147284-1,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 01 08:38:22 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:10:19 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\251129RVTb\ABN1129.D
: 2 - I:\8270\SV112\251129RVTb\ADP1129.D
: 3 - I:\8270\SV112\251129RVTb\AP91129.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	9.675	244	32340	0.694	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 69.40%

Target Compounds				Qvalue
6) 2-Chlorophenol	0.000	0	N.D.	
8) Phenol	0.000	0	N.D.	
9) Bis(2-chloroethyl)ether	0.000	0	N.D.	
10) 1,3-Dichlorobenzene	0.000	0	N.D.	
11) 1,4-Dichlorobenzene	0.000	0	N.D.	
12) 1,2-Dichlorobenzene	0.000	0	N.D.	
13) Benzyl alcohol	0.000	0	N.D.	d
14) Bis(2-chloroisopropyl)...	0.000	0	N.D.	
15) 2-Methylphenol	0.000	0	N.D.	
16) Hexachloroethane	0.000	0	N.D.	
17) n-Nitrosodi-n-propylamine	0.000	0	N.D.	d
18) 3-Methylphenol/4-Methy...	0.000	0	N.D.	
20) Nitrobenzene	0.000	0	N.D.	
21) Isophorone	0.000	0	N.D.	
22) 2-Nitrophenol	0.000	0	N.D.	
23) 2,4-Dimethylphenol	0.000	0	N.D.	
24) Bis(2-chloroethoxy)met...	0.000	0	N.D.	
25) 2,4-Dichlorophenol	0.000	0	N.D.	
26) 1,2,4-Trichlorobenzene	0.000	0	N.D.	
29) Acetophenone	0.000	0	N.D.	
36) Naphthalene	0.000	0	N.D.	
37) Benzoic Acid	0.000	0	N.D.	
38) 4-Chloroaniline	0.000	0	N.D.	
39) Hexachlorobutadiene	0.000	0	N.D.	
40) p-Chloro-m-cresol	0.000	0	N.D.	
41) 2-Methylnaphthalene	0.000	0	N.D.	
43) Hexachlorocyclopentadiene	0.000	0	N.D.	
44) 2,4,6-Trichlorophenol	0.000	0	N.D.	
45) 2,4,5-Trichlorophenol	0.000	0	N.D.	
47) 2-Chloronaphthalene	0.000	0	N.D.	
48) 2-Nitroaniline	0.000	0	N.D.	
51) Dimethyl phthalate	0.000	0	N.D.	d
52) Acenaphthylene	0.000	0	N.D.	

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-1.D
Acq On : 29 Nov 2025 12:16 pm
Operator : SV112:smz
Sample : WG2147284-1,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 01 08:38:22 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:10:19 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\251129RVTb\ABN1129.D
: 2 - I:\8270\SV112\251129RVTb\ADP1129.D
: 3 - I:\8270\SV112\251129RVTb\AP91129.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53)	2,6-Dinitrotoluene	0.000		0	N.D.		d	
61)	1,2,4,5-Tetrachloroben...	0.000		0	N.D.			
62)	Biphenyl	0.000		0	N.D.			
64)	3-Nitroaniline	0.000		0	N.D.			
65)	Acenaphthene	0.000		0	N.D.			
66)	2,4-Dinitrophenol	0.000		0	N.D.			
67)	Dibenzofuran	0.000		0	N.D.			
68)	2,4-Dinitrotoluene	0.000		0	N.D.		d	
69)	4-Nitrophenol	0.000		0	N.D.			
72)	Diethyl phthalate	0.000		0	N.D.			
73)	Fluorene	0.000		0	N.D.			
74)	4-Chlorophenyl phenyl ...	0.000		0	N.D.			
75)	4-Nitroaniline	0.000		0	N.D.			
76)	4,6-Dinitro-o-cresol	0.000		0	N.D.			
77)	NDPA/DPA	0.000		0	N.D.			
80)	4-Bromophenyl phenyl e...	0.000		0	N.D.			
81)	Hexachlorobenzene	0.000		0	N.D.			
82)	Pentachlorophenol	0.000		0	N.D.		d	
89)	Phenanthrene	0.000		0	N.D.			
90)	Anthracene	0.000		0	N.D.			
91)	Carbazole	0.000		0	N.D.			
92)	Di-n-butylphthalate	0.000		0	N.D.		d	
93)	Fluoranthene	0.000		0	N.D.			
95)	Pyrene	0.000		0	N.D.			
97)	Butyl benzyl phthalate	0.000		0	N.D.		d	
105)	Benzo(a)anthracene	0.000		0	N.D.		d	
106)	3,3'-Dichlorobenzidine	0.000		0	N.D.			
107)	Chrysene	0.000		0	N.D.		d	
108)	Bis(2-ethylhexyl)phtha...	10.828	149	4025	0.230	ug/ml	#	96
109)	Di-n-octylphthalate	0.000		0	N.D.		d	
110)	Benzo(b)fluoranthene	0.000		0	N.D.			
111)	Benzo(k)fluoranthene	0.000		0	N.D.			
112)	Benzo(a)pyrene	0.000		0	N.D.		d	
114)	Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
115)	Dibenzo(a,h)anthracene	0.000		0	N.D.			
116)	Benzo(ghi)perylene	0.000		0	N.D.			

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-1.D
Acq On : 29 Nov 2025 12:16 pm
Operator : SV112:smz
Sample : WG2147284-1,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 01 08:38:22 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:10:19 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\251129RVTb\ABN1129.D
: 2 - I:\8270\SV112\251129RVTb\ADP1129.D
: 3 - I:\8270\SV112\251129RVTb\AP91129.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

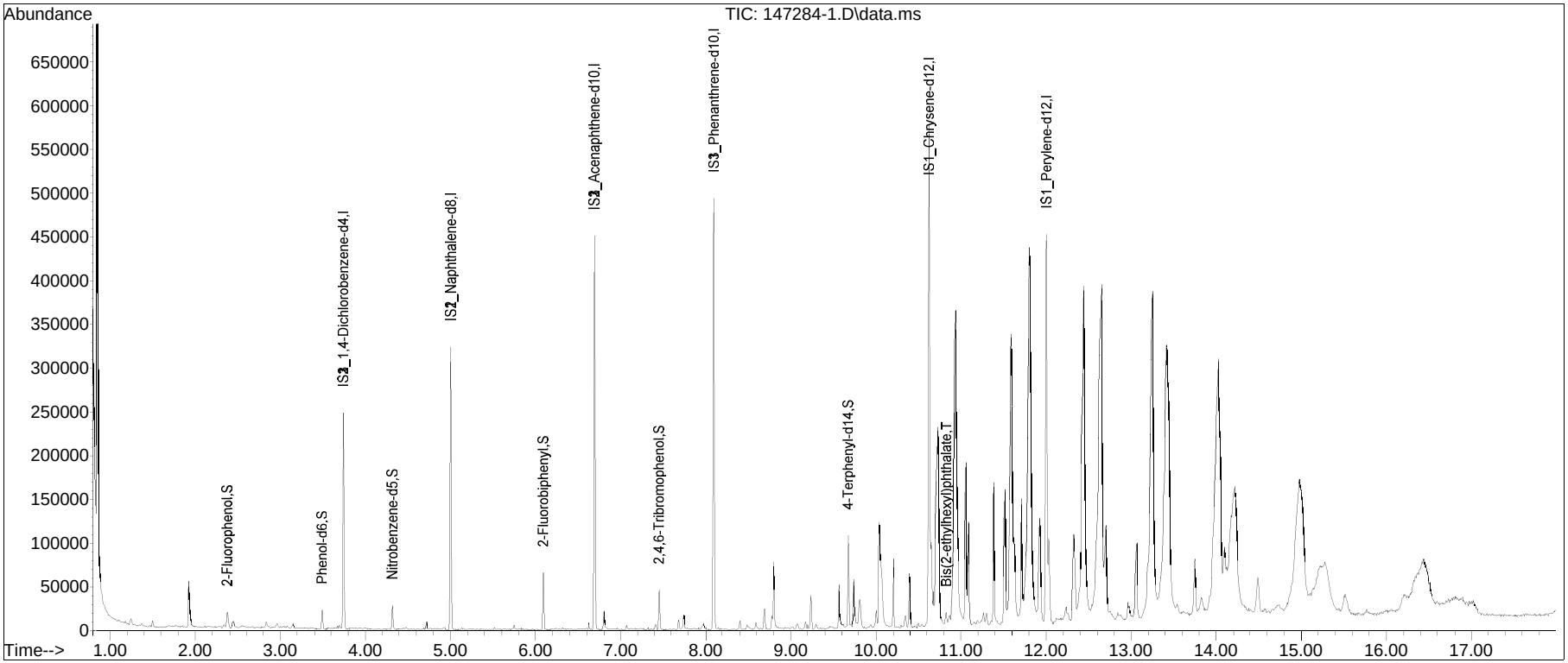
(#) = qualifier out of range (m) = manual integration (+) = signals summed

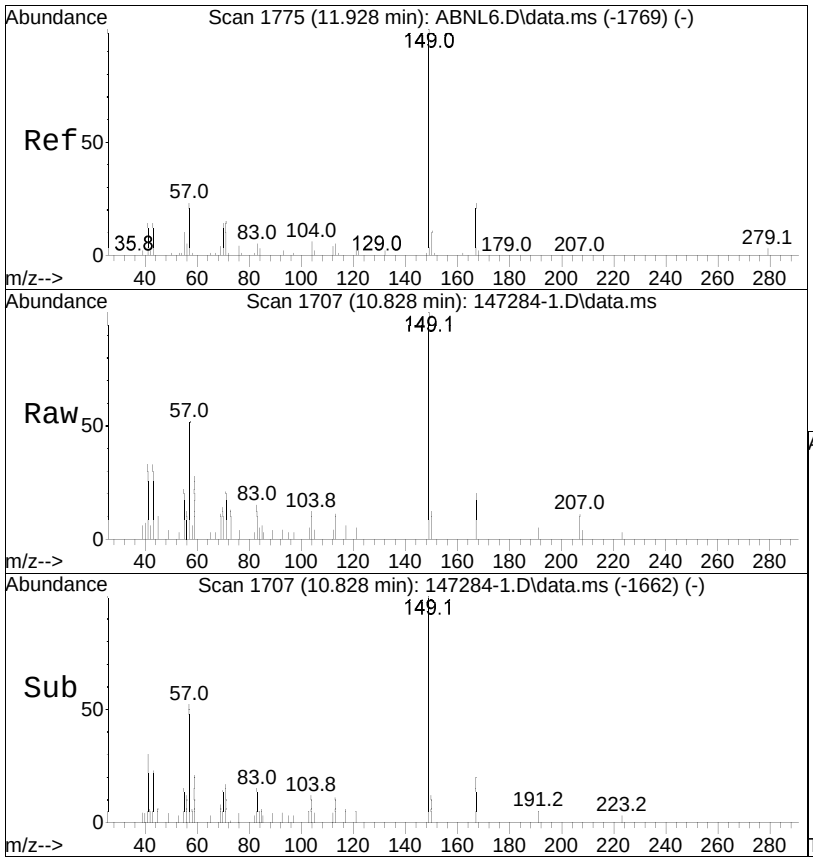
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-1.D
Acq On : 29 Nov 2025 12:16 pm
Operator : SV112:smz
Sample : WG2147284-1,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 01 08:38:22 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:10:19 2025
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MARVTb\AP91129.D•

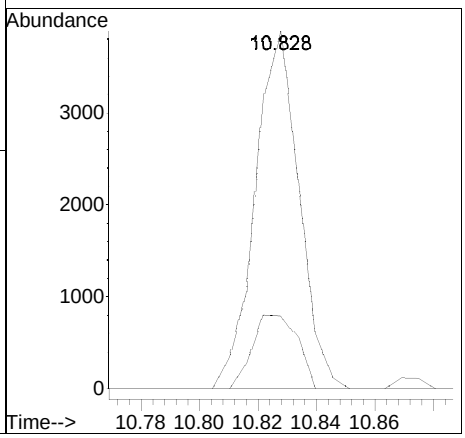




#108
Bis(2-ethylhexyl)phthalate
Concen: 0.23 ug/ml
RT: 10.828 min Scan# 1707
Delta R.T. 0.012 min
Lab File: 147284-1.D
Acq: 29 Nov 2025 12:16 pm

Tgt Ion:149 Resp: 4025

Ion	Ratio	Lower	Upper
149	100		
167	21.4	18.4	27.6
279	0.0	1.7	2.5#



Manual Integration Report

Data Path	: I:\8270\SV112\251129RVTb\	QMethod	: FS250817SV112RVT.m
Data File	: 147284-1.D	Operator	: SV112:smz
Date Inj'd	: 11/29/2025 12:16 pm	Instrument	: SV112
Sample	: WG2147284-1,32,,gmr	Quant Date	: 11/29/2025 12:34 pm

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

LSC Area Percent Report

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-1.D
Acq On : 29 Nov 2025 12:16 pm
Operator : SV112:smz
Sample : WG2147284-1,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270

Signal : TIC: 147284-1.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.923	190	193	205	rVB	53009	76764	6.30%	0.641%
2	2.375	266	270	275	rVB	17887	21740	1.79%	0.182%
3	3.487	456	459	466	rVB	22463	22525	1.85%	0.188%
4	3.740	499	502	506	rBV	246188	213893	17.57%	1.786%
5	4.316	597	600	606	rVB	27891	24274	1.99%	0.203%
6	5.005	713	717	720	rBV	323279	270897	22.25%	2.262%
7	6.093	899	902	905	rBV	64897	51031	4.19%	0.426%
8	6.693	1001	1004	1008	rVV	449284	359450	29.52%	3.001%
9	6.805	1019	1023	1031	rBV2	20814	26415	2.17%	0.221%
10	7.452	1129	1133	1138	rBV2	45755	40525	3.33%	0.338%
11	7.746	1179	1183	1189	rVB2	16629	21335	1.75%	0.178%
12	8.099	1238	1243	1246	rBV	492360	459342	37.73%	3.836%
13	8.693	1340	1344	1347	rBV	23323	25240	2.07%	0.211%
14	8.775	1355	1358	1359	rBV	14671	12823	1.05%	0.107%
15	8.799	1359	1362	1369	rVB	75517	76666	6.30%	0.640%
16	9.240	1433	1437	1441	rVB	38895	41336	3.40%	0.345%
17	9.563	1488	1492	1499	rBV4	49785	68448	5.62%	0.572%
18	9.675	1508	1511	1514	rBV	103795	88070	7.23%	0.735%
19	9.740	1518	1522	1528	rVV	54527	71702	5.89%	0.599%
20	9.810	1531	1534	1542	rVB	32077	50348	4.14%	0.420%
21	9.999	1561	1566	1568	rBV3	19360	20516	1.69%	0.171%
22	10.040	1568	1573	1587	rVB2	118993	289428	23.77%	2.417%
23	10.204	1597	1601	1606	rVB	77319	85898	7.06%	0.717%
24	10.351	1622	1626	1629	rVB3	13024	16009	1.31%	0.134%
25	10.393	1629	1633	1640	rVB	60898	63884	5.25%	0.533%
26	10.628	1669	1673	1676	rBV	568701	571828	46.97%	4.775%
27	10.675	1680	1681	1683	rVV	35858	31974	2.63%	0.267%
28	10.728	1683	1690	1704	rVB3	223904	525893	43.19%	4.391%

LSC Area Percent Report

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-1.D
Acq On : 29 Nov 2025 12:16 pm
Operator : SV112:smz
Sample : WG2147284-1,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270

29	10.828	1704	1707	1710	rBV2	12820	13253	1.09%	0.111%
30	10.863	1710	1713	1716	rVV4	9563	13956	1.15%	0.117%
31	10.934	1716	1725	1741	rVV	358808	911628	74.88%	7.612%
32	11.057	1742	1746	1749	rVV	184380	198793	16.33%	1.660%
33	11.087	1749	1751	1757	rVB2	117716	134561	11.05%	1.124%
34	11.298	1784	1787	1791	rVB3	13412	15933	1.31%	0.133%
35	11.387	1797	1802	1808	rBV	158838	184595	15.16%	1.541%
36	11.516	1819	1824	1828	rBV2	152206	205238	16.86%	1.714%
37	11.593	1829	1837	1842	rBV2	313397	656295	53.90%	5.480%
38	11.710	1853	1857	1861	rBV	129786	156311	12.84%	1.305%
39	11.804	1862	1873	1887	rVV2	419925	1217525	100.00%	10.167%
40	11.928	1889	1894	1902	rVB2	118249	184823	15.18%	1.543%
41	12.004	1902	1907	1910	rBV	442823	530034	43.53%	4.426%
42	12.028	1910	1911	1920	rVB	97074	96594	7.93%	0.807%
43	12.322	1956	1961	1968	rBV2	97461	217889	17.90%	1.819%
44	12.445	1970	1982	1992	rVB	371469	915183	75.17%	7.642%
45	12.651	2004	2017	2022	rBV3	337724	965599	79.31%	8.063%
46	12.957	2066	2069	2071	rBV3	17471	21563	1.77%	0.180%
47	13.069	2083	2088	2094	rVB2	85820	139542	11.46%	1.165%
48	13.251	2106	2119	2129	rBV	351437	924327	75.92%	7.718%
49	13.416	2139	2147	2150	rBV3	243043	552094	45.35%	4.610%
50	13.751	2199	2204	2208	rVB2	59826	91711	7.53%	0.766%

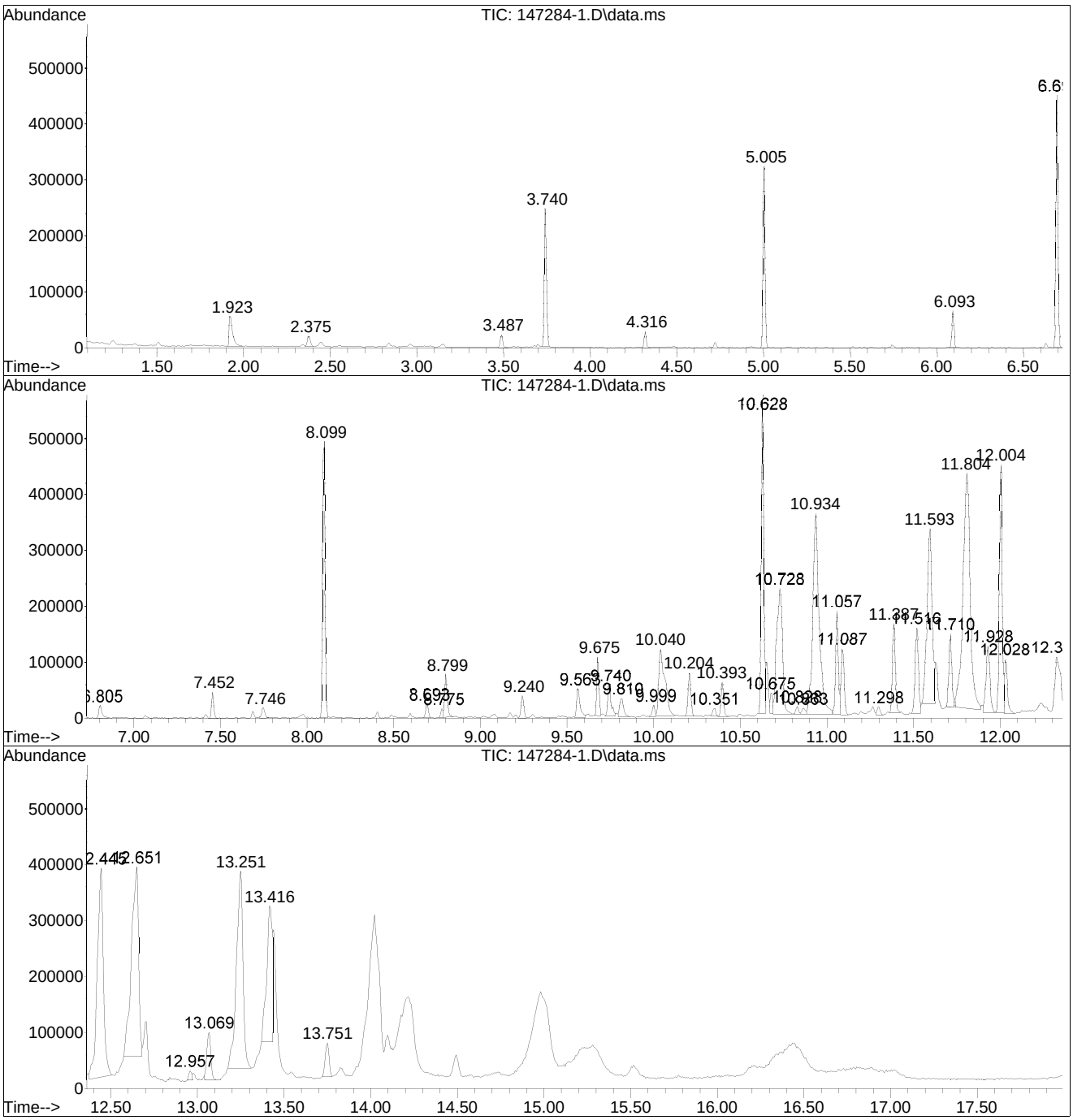
Sum of corrected areas: 11975701

LSC Report - Integrated Chromatogram

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-1.D
Acq On : 29 Nov 2025 12:16 pm
Operator : SV112:smz
Sample : WG2147284-1,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-1.D
Acq On : 29 Nov 2025 12:16 pm
Operator : SV112:smz
Sample : WG2147284-1,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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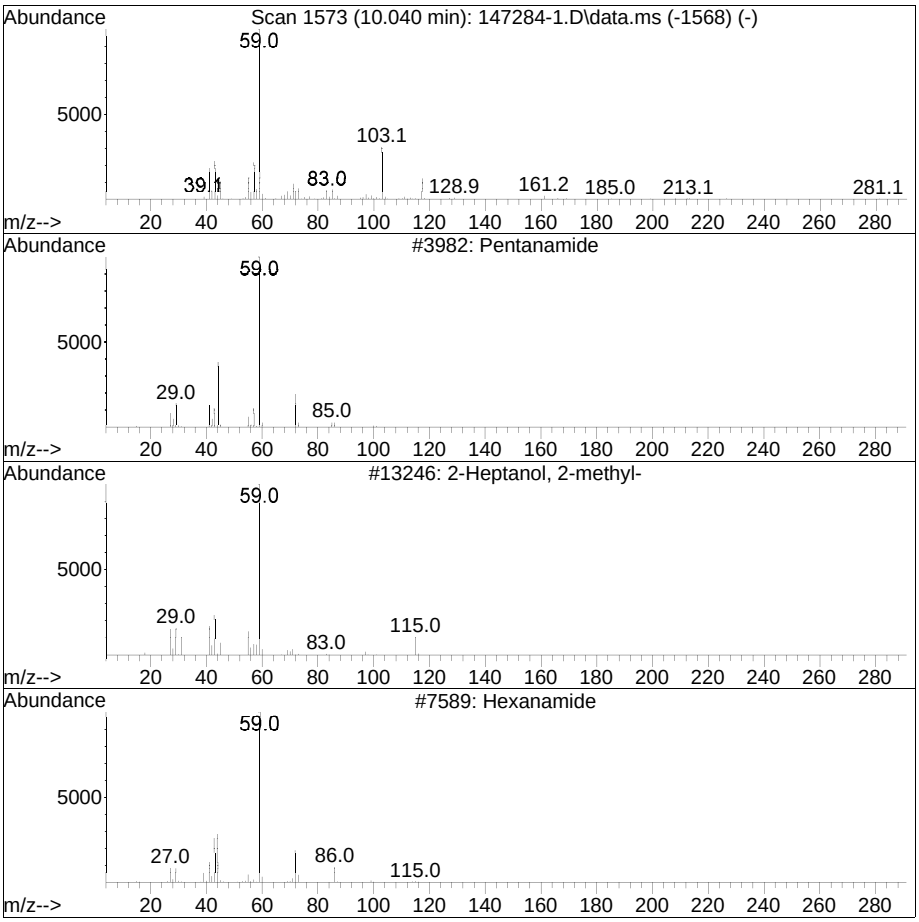
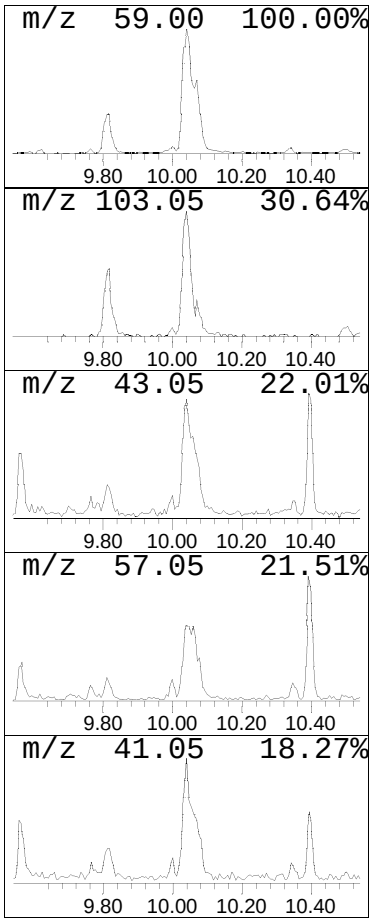
Peak Number 2 Unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.040	2.02 ug/ml	289428	IS1_Chrysene-d12	10.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanamide	101	C5H11NO	000626-97-1	47
2	2-Heptanol, 2-methyl-	130	C8H18O	000625-25-2	47
3	Hexanamide	115	C6H13NO	000628-02-4	43
4	Pentanamide, 4-methyl-	115	C6H13NO	001119-29-5	43
5	2-Dodecanol, 2-methyl-	200	C13H28O	001653-37-8	43





Library Search Compound Report

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-1.D
Acq On : 29 Nov 2025 12:16 pm
Operator : SV112:smz
Sample : WG2147284-1,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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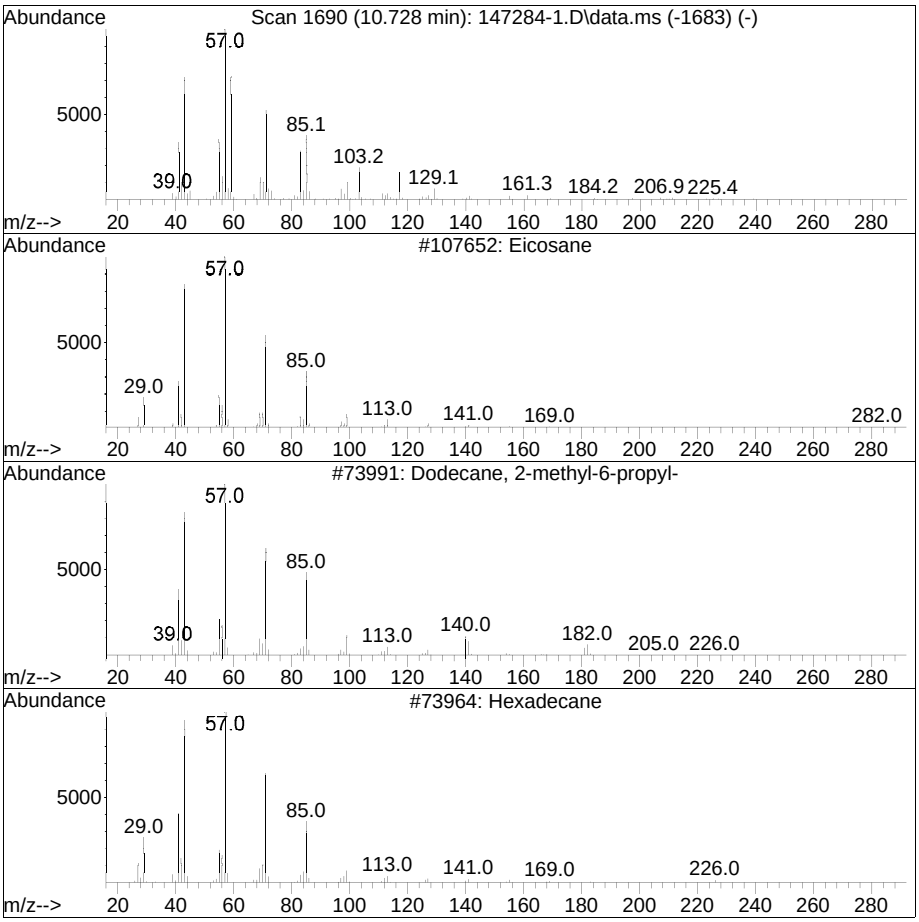
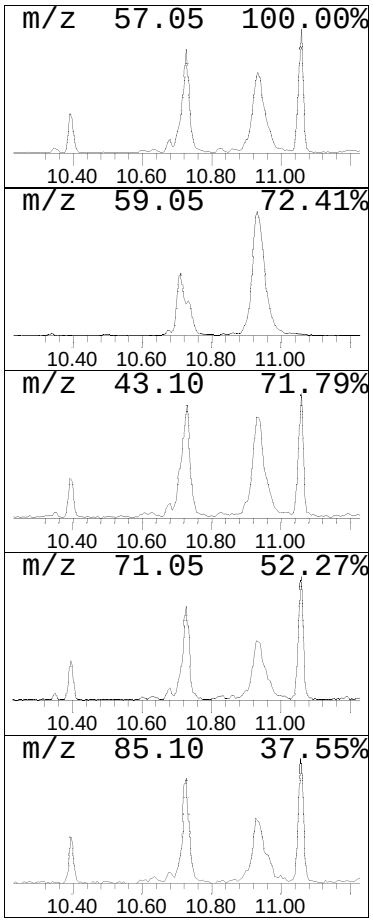
Peak Number 3 Unknown Alkane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.728	3.68 ug/ml	525893	IS1_Chrysene-d12	10.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	45
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	43
3	Hexadecane	226	C16H34	000544-76-3	43
4	Nonadecane	268	C19H40	000629-92-5	38
5	Dodecane, 4-methyl-	184	C13H28	006117-97-1	38





Library Search Compound Report

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-1.D
Acq On : 29 Nov 2025 12:16 pm
Operator : SV112:smz
Sample : WG2147284-1,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270

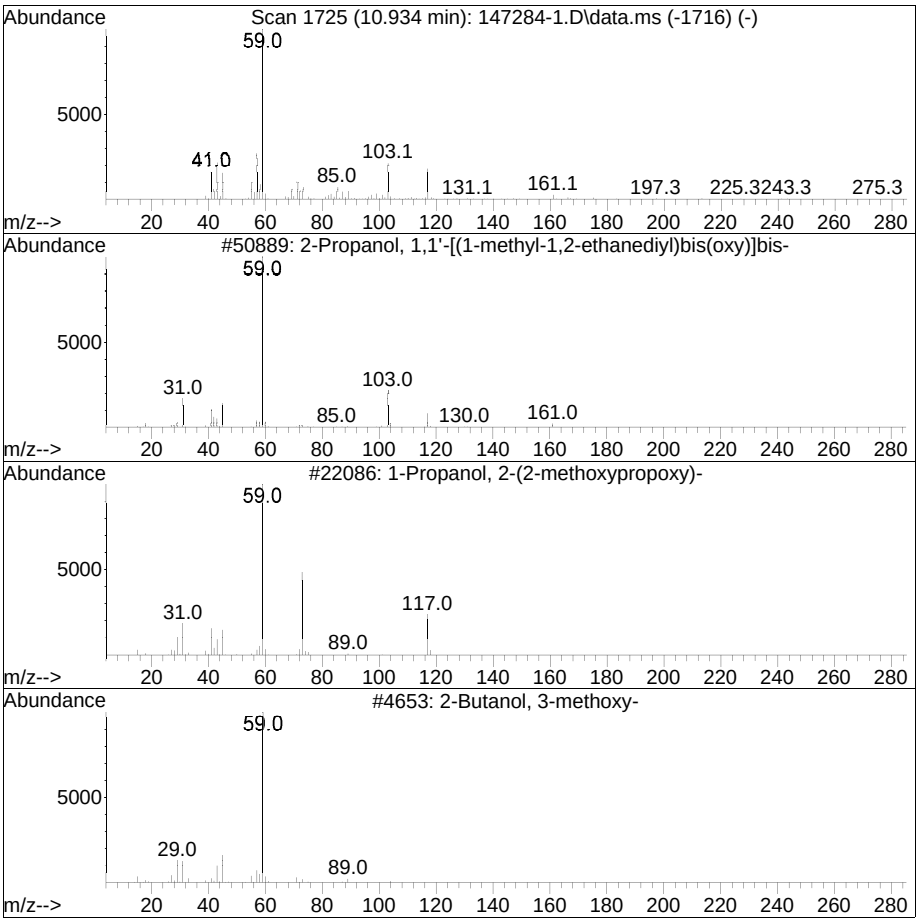
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

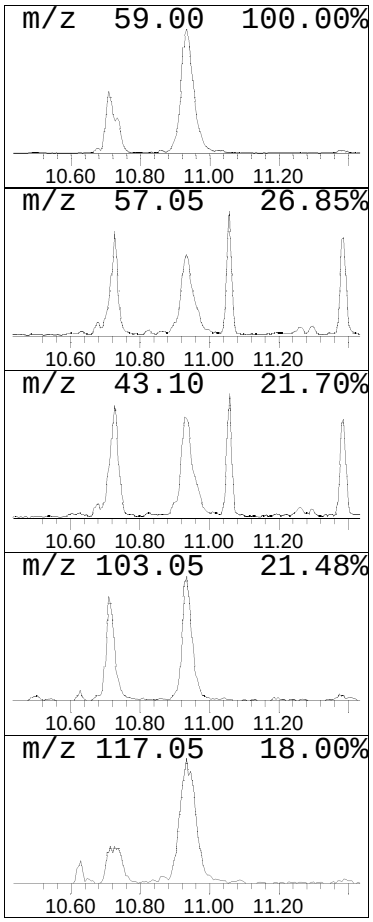
****

Peak Number 4 Unknown Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.934	6.38 ug/ml	911628	IS1_Chrysene-d12	10.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1,1'-[(1-methyl-1,2-...	192	C9H20O4	001638-16-0	59
2	1-Propanol, 2-(2-methoxypropoxy)-	148	C7H16O3	013588-28-8	50
3	2-Butanol, 3-methoxy-	104	C5H12O2	053778-72-6	47
4	Propane, 1,2-dimethoxy-	104	C5H12O2	007778-85-0	47
5	Silane, hexyl-	116	C6H16Si	001072-14-6	47





Library Search Compound Report

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-1.D
Acq On : 29 Nov 2025 12:16 pm
Operator : SV112:smz
Sample : WG2147284-1,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270

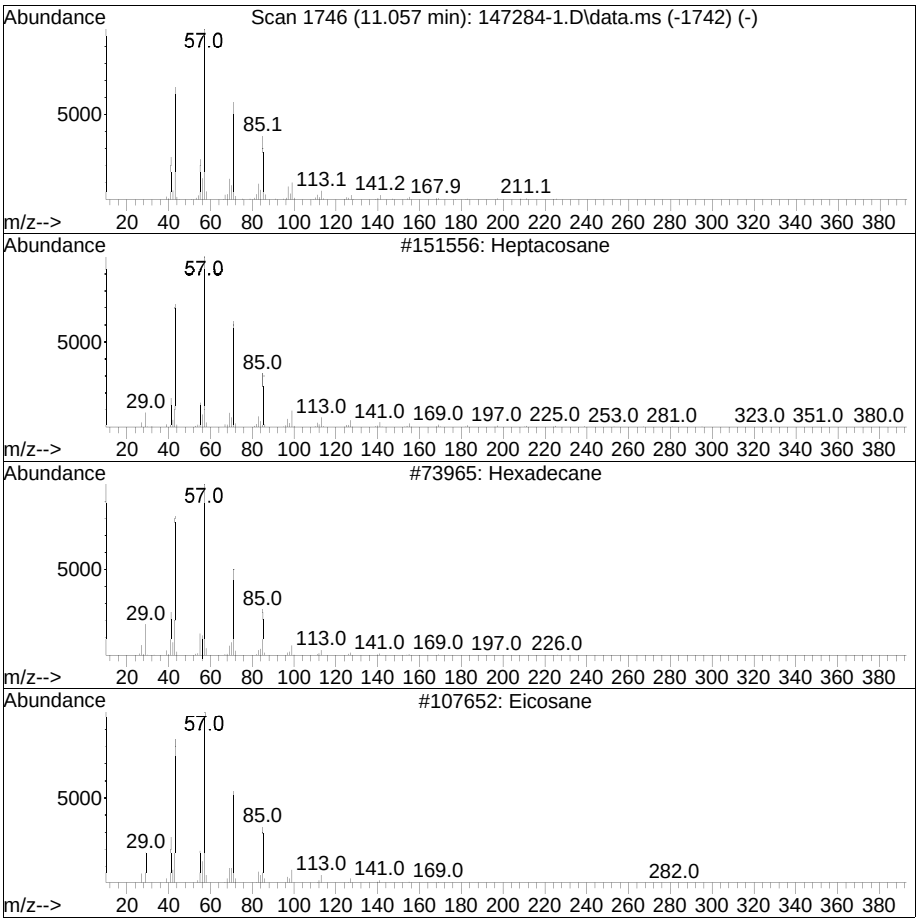
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

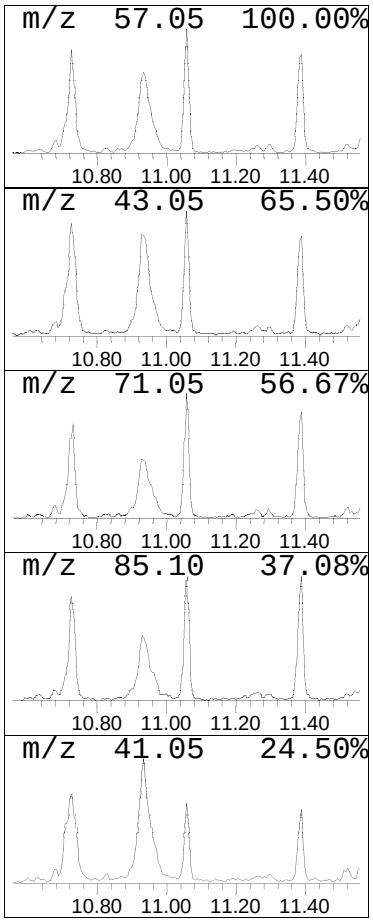
****

Peak Number 5 Unknown Alkane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.057	1.39 ug/ml	198793	IS1_Chrysene-d12	10.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	90
2	Hexadecane	226	C16H34	000544-76-3	72
3	Eicosane	282	C20H42	000112-95-8	64
4	Pentadecane	212	C15H32	000629-62-9	64
5	Octacosane	394	C28H58	000630-02-4	59





Library Search Compound Report

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-1.D
Acq On : 29 Nov 2025 12:16 pm
Operator : SV112:smz
Sample : WG2147284-1,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270

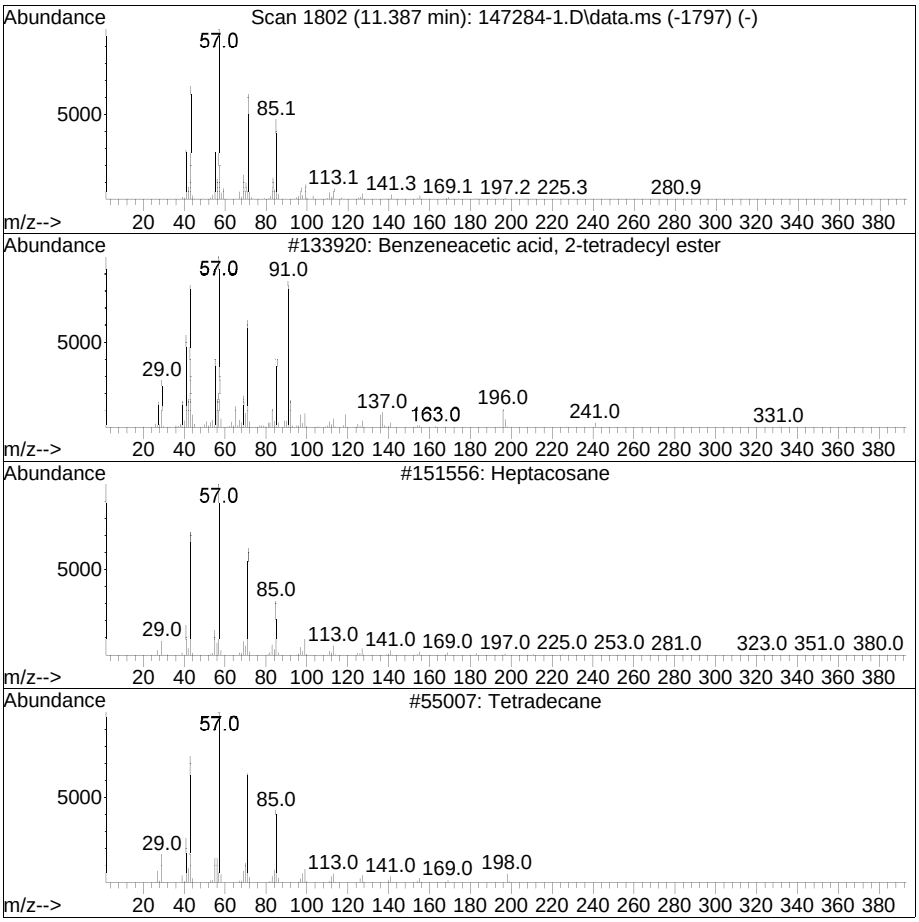
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

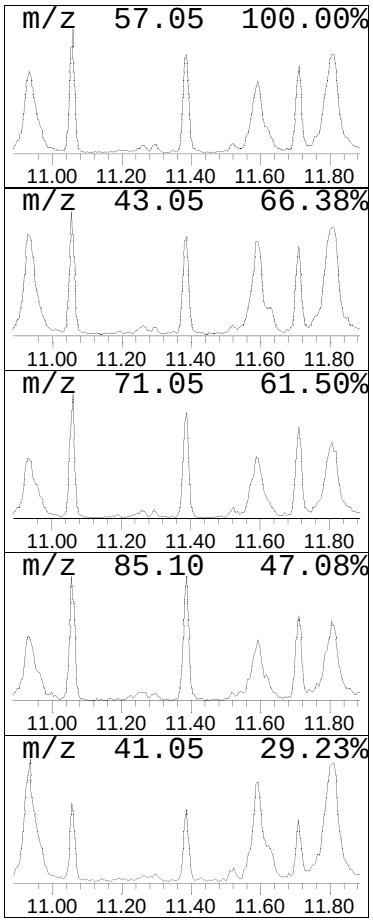
****

Peak Number 6 Unknown Organic Acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.387	1.39 ug/ml	184595	IS1_Perylene-d12	12.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetic acid, 2-tetradecyl...	332	C22H36O2	1000282-02-4	90
2	Heptacosane	380	C27H56	000593-49-7	74
3	Tetradecane	198	C14H30	000629-59-4	72
4	Eicosane	282	C20H42	000112-95-8	68
5	Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	64





Library Search Compound Report

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-1.D
Acq On : 29 Nov 2025 12:16 pm
Operator : SV112:smz
Sample : WG2147284-1,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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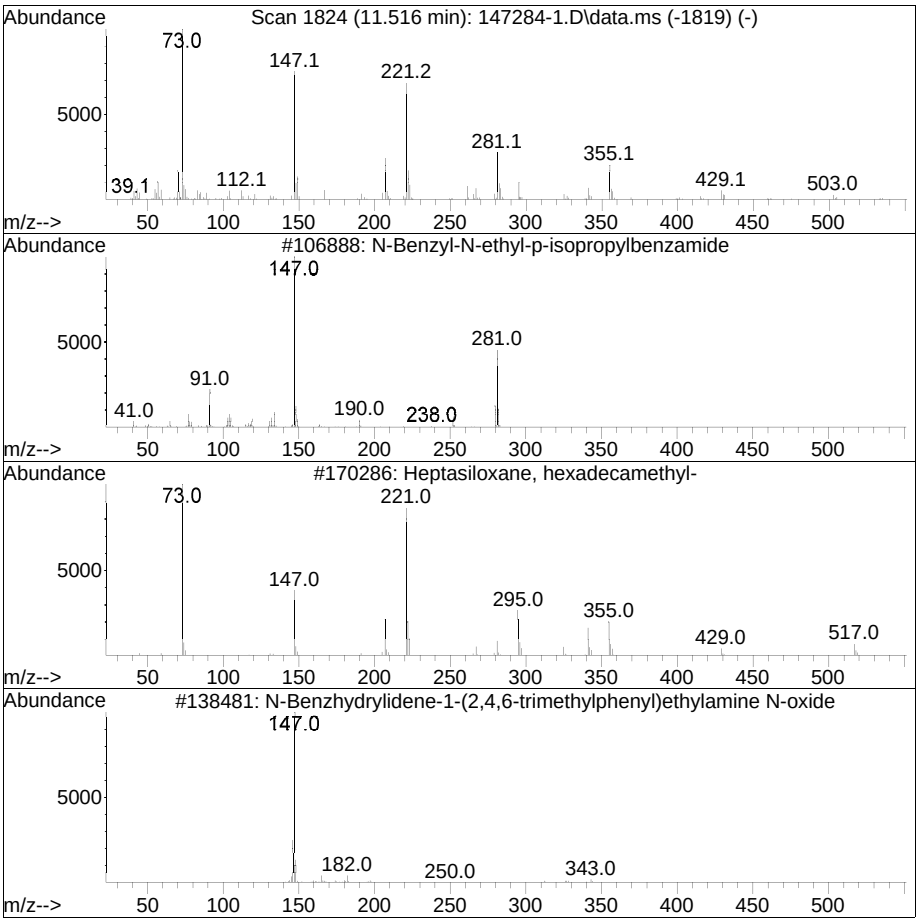
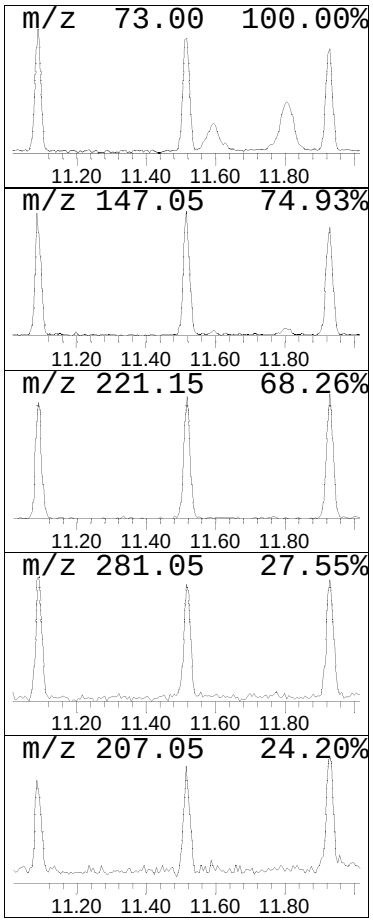
Peak Number 7 Unknown Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.516	1.55 ug/ml	205238	IS1_Perylene-d12	12.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Benzyl-N-ethyl-p-isopropylbenz...	281	C19H23NO	015089-22-2	46
2	Heptasiloxane, hexadecamethyl-	532	C16H48O6Si7	000541-01-5	32
3	N-Benzhydrylidene-1-(2,4,6-trime...	343	C24H25NO	089839-57-6	27
4	Silane, [[(3.beta.,11.beta.,20S)...	638	C33H66O4Si4	032221-72-0	27
5	1,2-Benzenedicarboxylic acid, bi...	310	C14H22O4Si2	002078-22-0	25





Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-1.D
Acq On : 29 Nov 2025 12:16 pm
Operator : SV112:smz
Sample : WG2147284-1,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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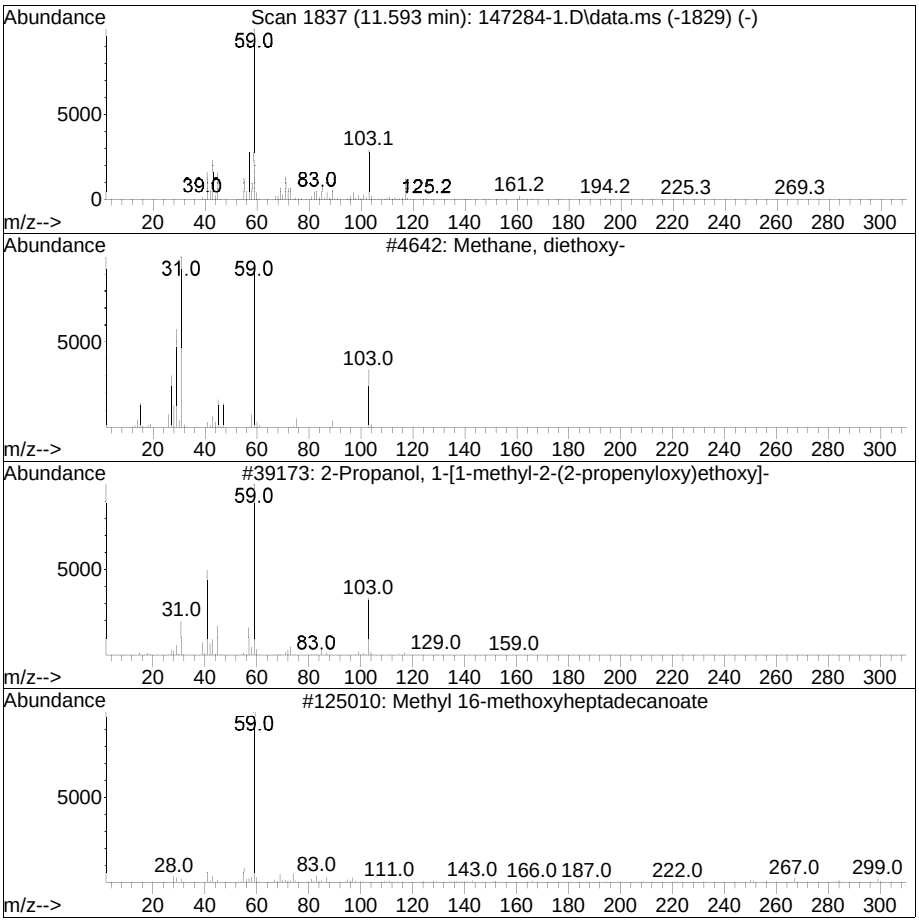
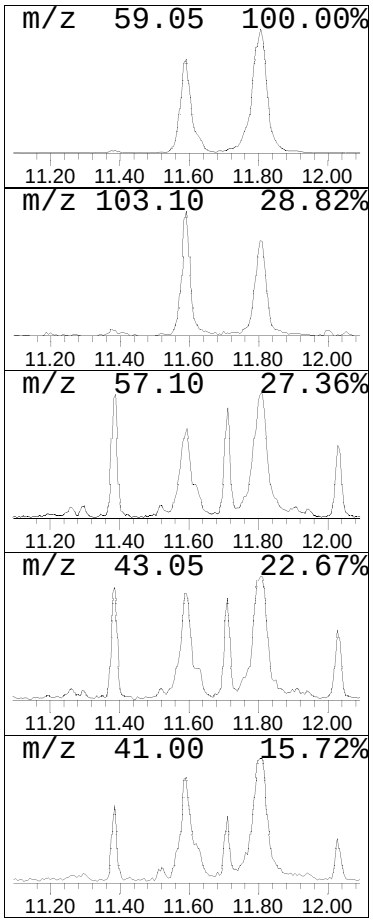
Peak Number 8 Unknown Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.593	4.95 ug/ml	656295	IS1_Perylene-d12	12.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methane, diethoxy-	104	C5H12O2	000462-95-3	58
2	2-Propanol, 1-[1-methyl-2-(2-pro...	174	C9H18O3	055956-25-7	53
3	Methyl 16-methoxyheptadecanoate	314	C19H38O3	1000110-18-2	47
4	Methyl 15-methoxyhexadecanoate	300	C18H36O3	1000110-17-9	47
5	2-Dodecanol, 2-methyl-	200	C13H28O	001653-37-8	47





Library Search Compound Report

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-1.D
Acq On : 29 Nov 2025 12:16 pm
Operator : SV112:smz
Sample : WG2147284-1,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270

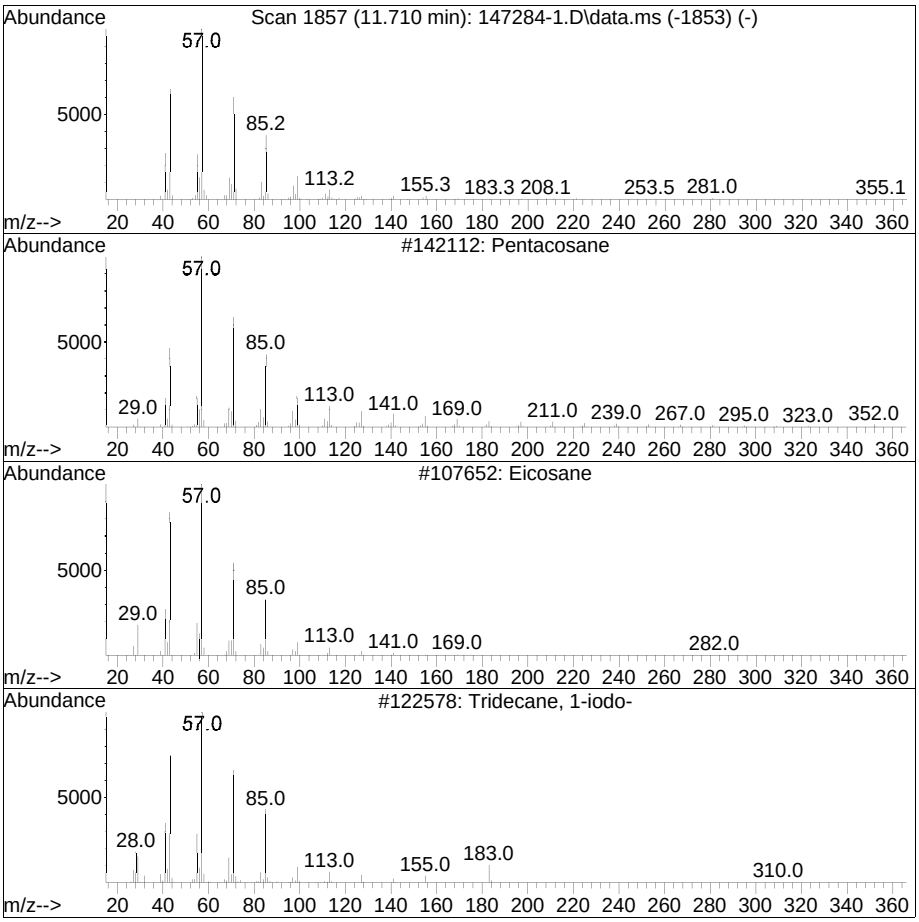
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

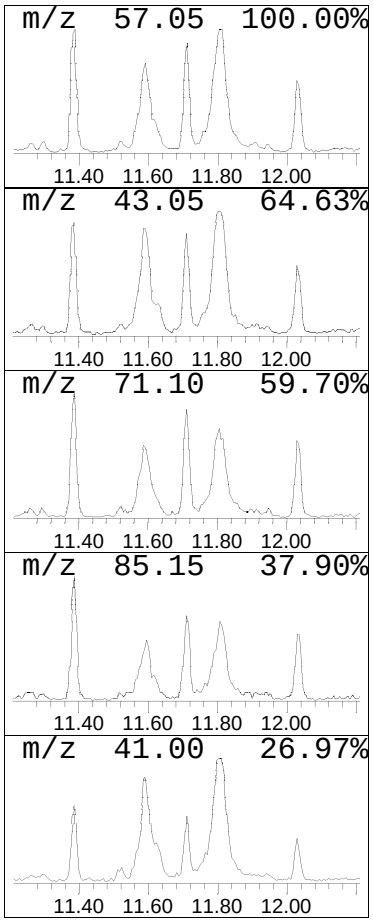
****

Peak Number 9 Unknown Alkane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.710	1.18 ug/ml	156311	IS1_Perylene-d12	12.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	86
2	Eicosane	282	C20H42	000112-95-8	86
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
4	Hexatriacontane	507	C36H74	000630-06-8	78
5	Heptacosane	380	C27H56	000593-49-7	78





Library Search Compound Report

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Data File : 147284-1.D
Acq On : 29 Nov 2025 12:16 pm
Operator : SV112:smz
Sample : WG2147284-1,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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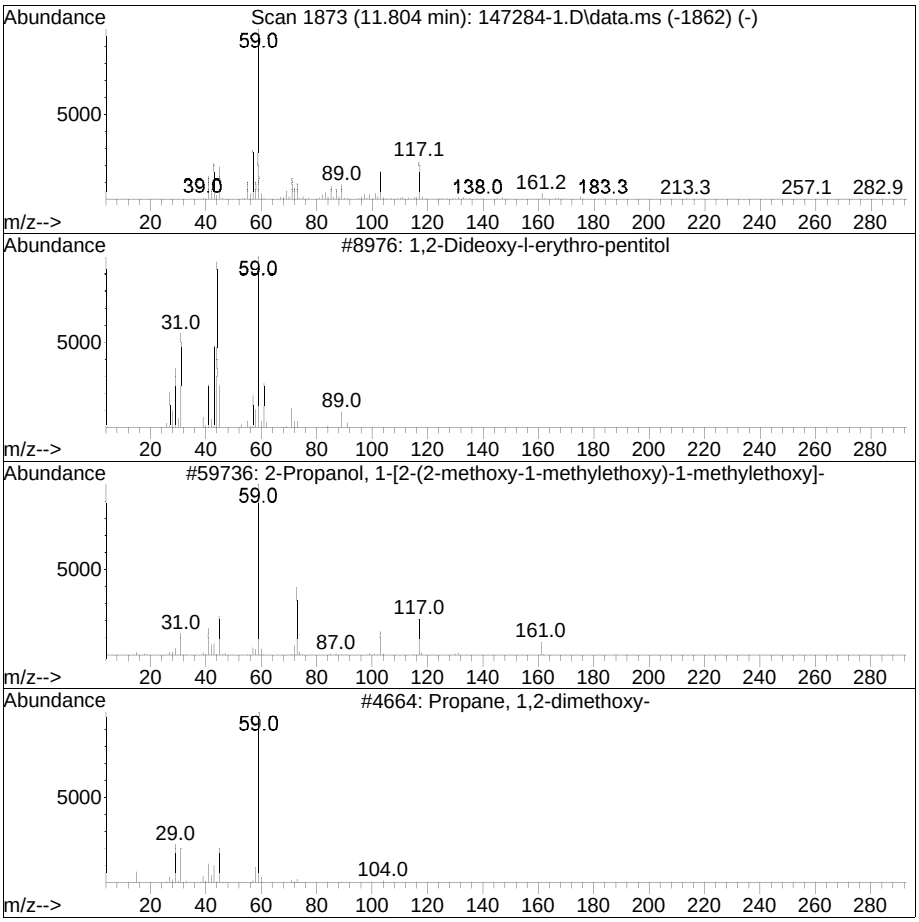
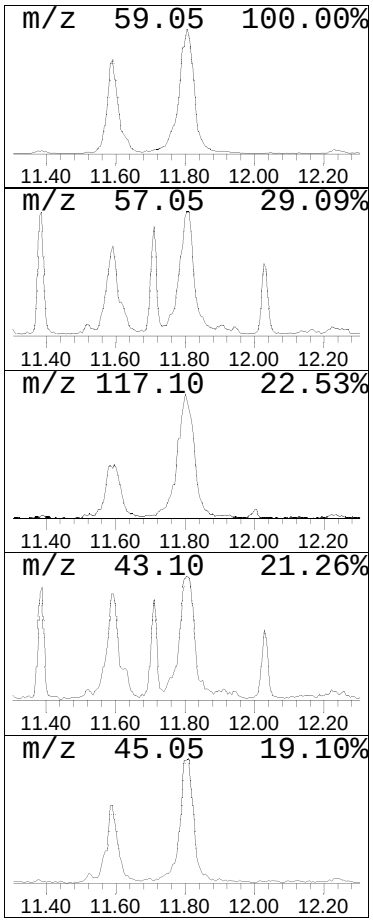
Peak Number 10 Unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.804	9.19 ug/ml	1217530	IS1_Perylene-d12	12.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Dideoxy-l-erythro-pentitol	120	C5H12O3	1000112-47-4	53
2	2-Propanol, 1-[2-(2-methoxy-1-me...	206	C10H22O4	020324-33-8	50
3	Propane, 1,2-dimethoxy-	104	C5H12O2	007778-85-0	47
4	2-Butanol, 3-methoxy-	104	C5H12O2	053778-72-6	47
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	43





Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-1.D
Acq On : 29 Nov 2025 12:16 pm
Operator : SV112:smz
Sample : WG2147284-1,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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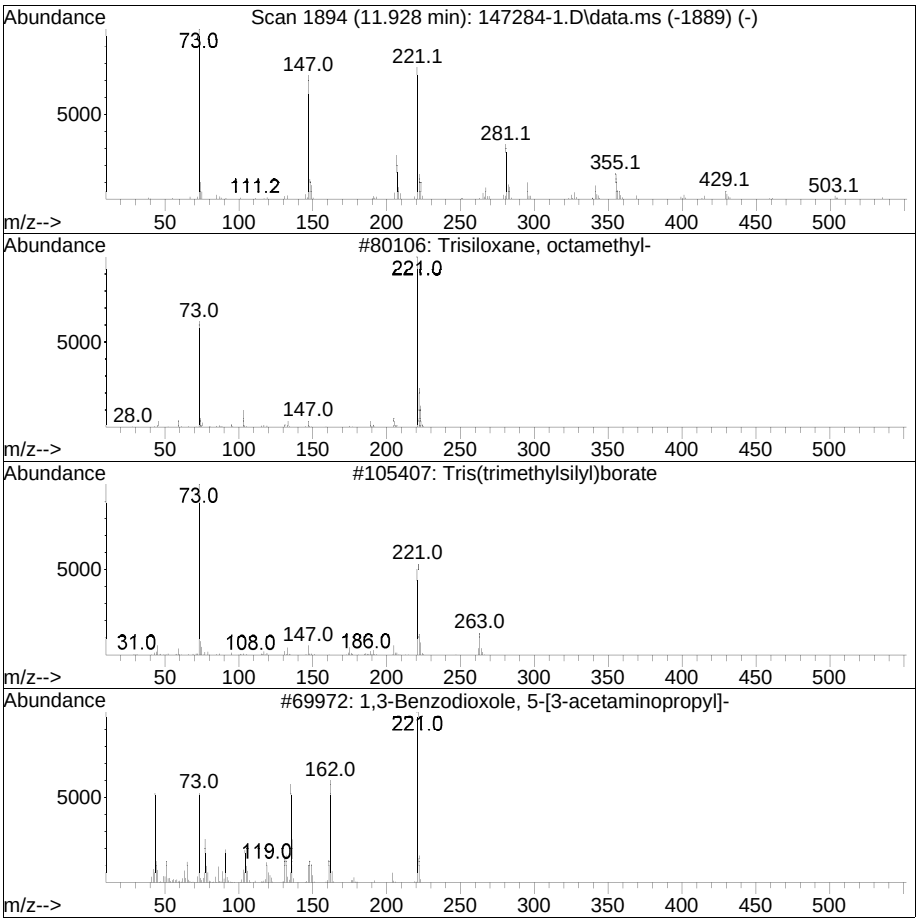
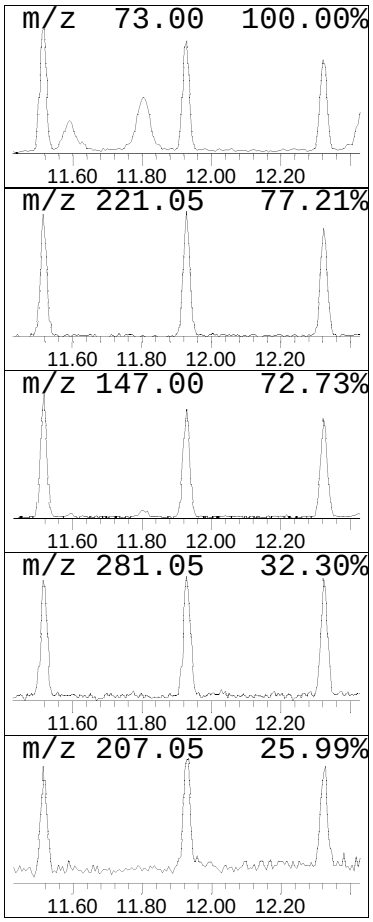
Peak Number 11 Unknown Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.928	1.39 ug/ml	184823	IS1_Perylene-d12	12.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trisiloxane, octamethyl-	236	C8H24O2Si3	000107-51-7	38
2	Tris(trimethylsilyl)borate	278	C9H27BO3Si3	004325-85-3	37
3	1,3-Benzodioxole, 5-[3-acetamino...	221	C12H15NO3	1000124-33-0	32
4	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	32
5	Heptasiloxane, hexadecamethyl-	532	C16H48O6Si7	000541-01-5	27





Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-1.D
Acq On : 29 Nov 2025 12:16 pm
Operator : SV112:smz
Sample : WG2147284-1,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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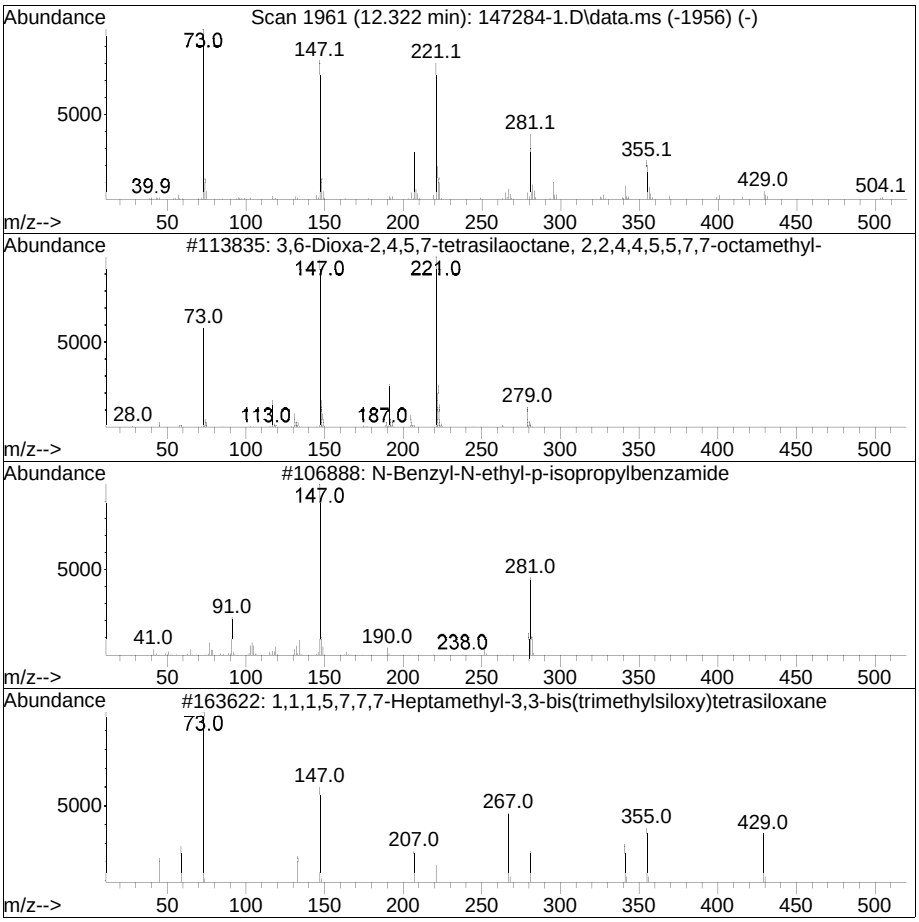
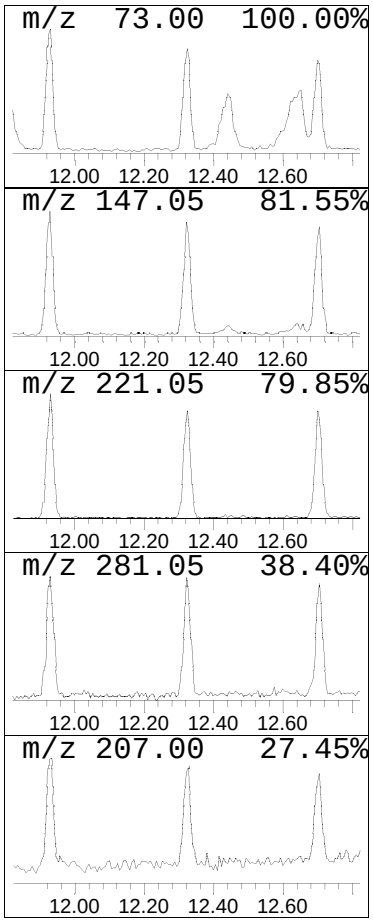
Peak Number 12 Unknown Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.322	1.64 ug/ml	217889	IS1_Perylene-d12	12.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	33
2	N-Benzyl-N-ethyl-p-isopropylbenz...	281	C19H23NO	015089-22-2	30
3	1,1,1,5,7,7,7-Heptamethyl-3,3-bi...	444	C13H40O5Si6	038147-00-1	23
4	Trisiloxane, octamethyl-	236	C8H24O2Si3	000107-51-7	12
5	Tris(trimethylsilyl)borate	278	C9H27BO3Si3	004325-85-3	12





Library Search Compound Report

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-1.D
Acq On : 29 Nov 2025 12:16 pm
Operator : SV112:smz
Sample : WG2147284-1,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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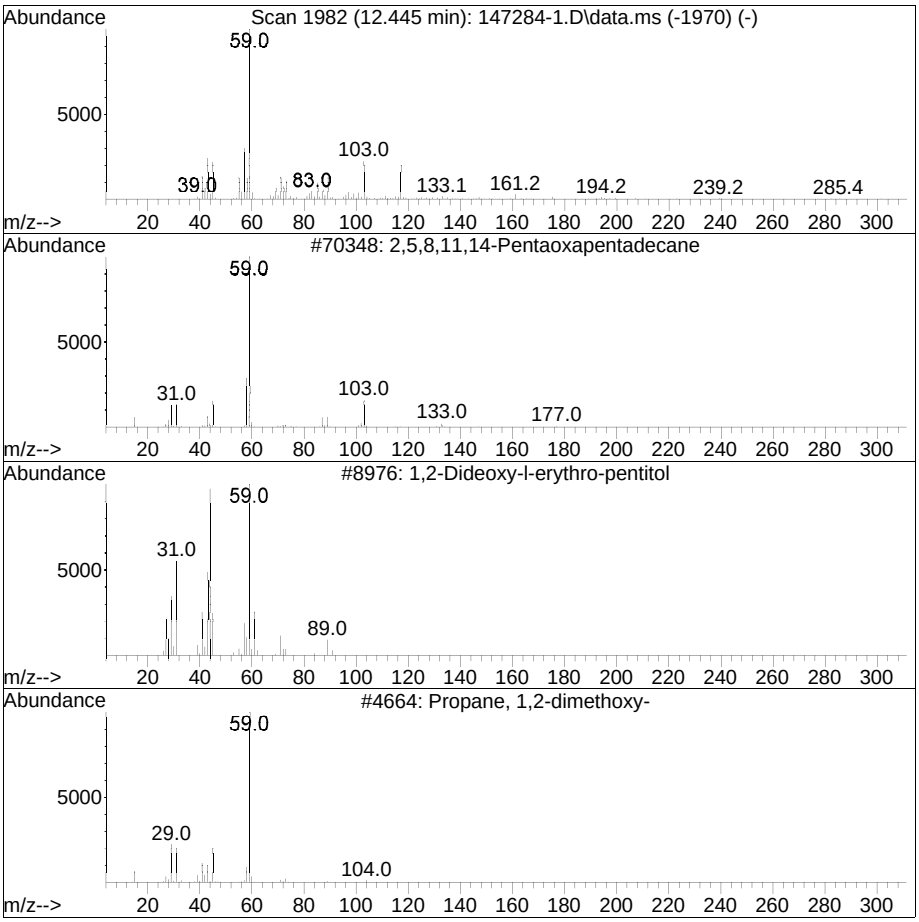
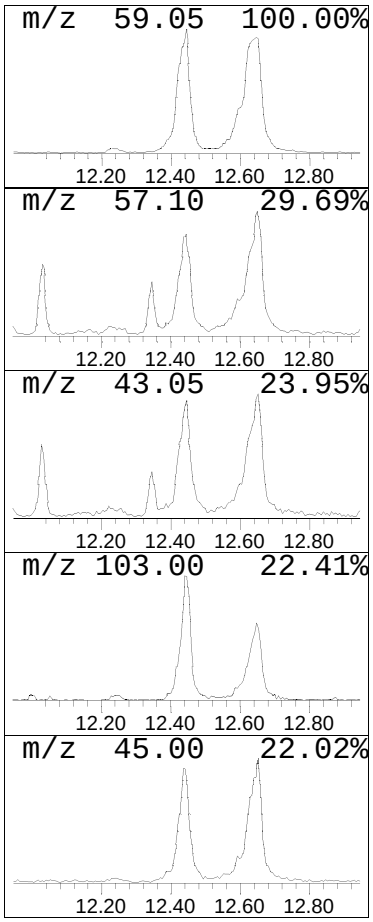
Peak Number 13 Unknown Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.445	6.91 ug/ml	915183	IS1_Perylene-d12	12.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5,8,11,14-Pentaoxapentadecane	222	C10H22O5	000143-24-8	53
2	1,2-Dideoxy-l-erythro-pentitol	120	C5H12O3	1000112-47-4	47
3	Propane, 1,2-dimethoxy-	104	C5H12O2	007778-85-0	46
4	1,2-Butanediol	90	C4H10O2	000584-03-2	43
5	Bis(2-methoxyethyl) phthalate	282	C14H18O6	000117-82-8	43





Library Search Compound Report

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-1.D
Acq On : 29 Nov 2025 12:16 pm
Operator : SV112:smz
Sample : WG2147284-1,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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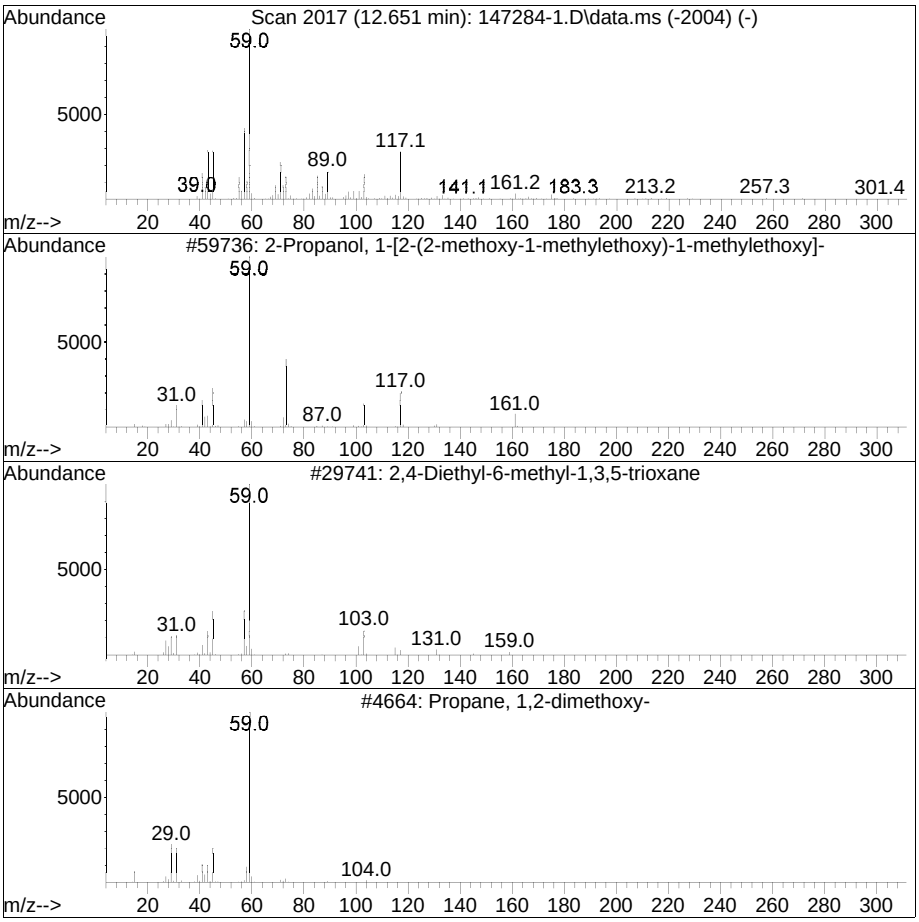
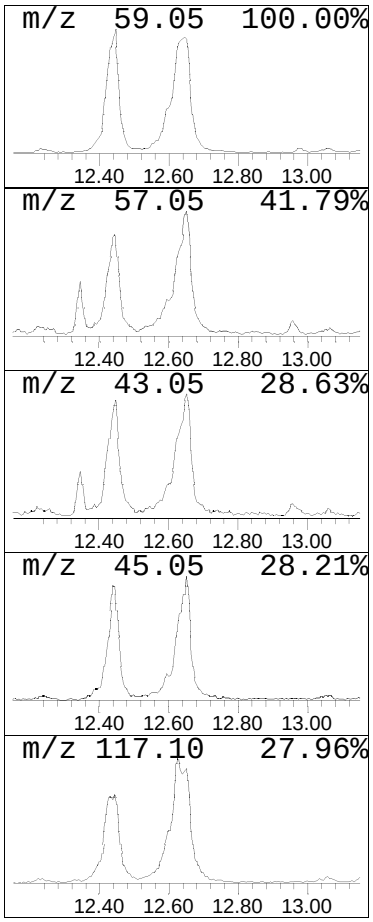
Peak Number 14 Unknown Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.651	7.29 ug/ml	965599	IS1_Perylene-d12	12.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-[2-(2-methoxy-1-me...	206	C10H22O4	020324-33-8	50
2	2,4-Diethyl-6-methyl-1,3,5-trioxane	160	C8H16O3	117888-04-7	47
3	Propane, 1,2-dimethoxy-	104	C5H12O2	007778-85-0	46
4	1,2-Dideoxy-l-erythro-pentitol	120	C5H12O3	1000112-47-4	40
5	Tri(1,2-propyleneglycol), monome...	206	C10H22O4	1000262-26-6	38





Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-1.D
Acq On : 29 Nov 2025 12:16 pm
Operator : SV112:smz
Sample : WG2147284-1,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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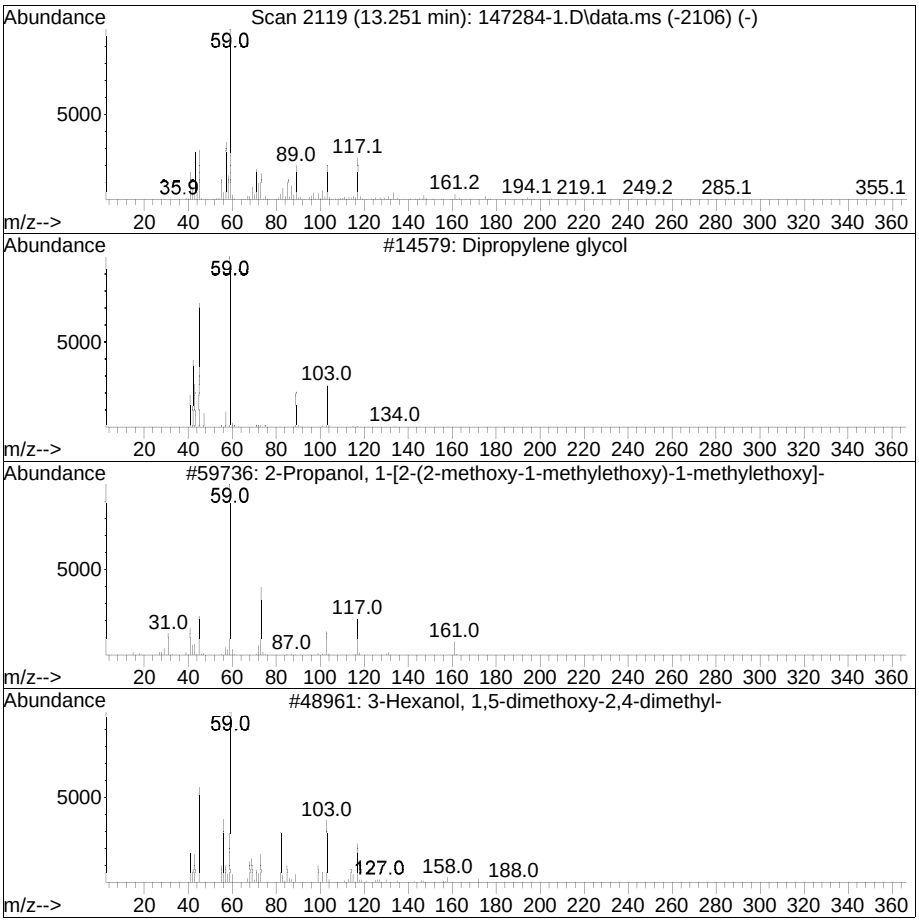
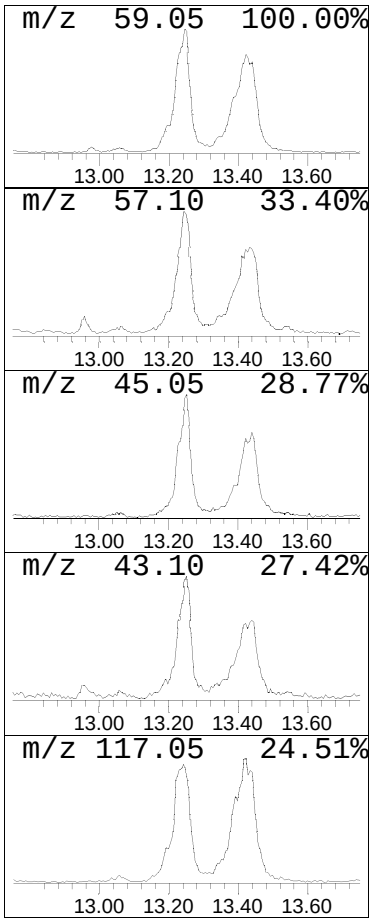
Peak Number 15 Unknown Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.251	6.98 ug/ml	924327	IS1_Perylene-d12	12.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dipropylene glycol	134	C6H14O3	025265-71-8	49
2	2-Propanol, 1-[2-(2-methoxy-1-me...	206	C10H22O4	020324-33-8	42
3	3-Hexanol, 1,5-dimethoxy-2,4-dim...	190	C10H22O3	013897-22-8	40
4	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	38
5	Ethane, 1,1'-oxybis[2-methoxy-	134	C6H14O3	000111-96-6	38





Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-1.D
Acq On : 29 Nov 2025 12:16 pm
Operator : SV112:smz
Sample : WG2147284-1,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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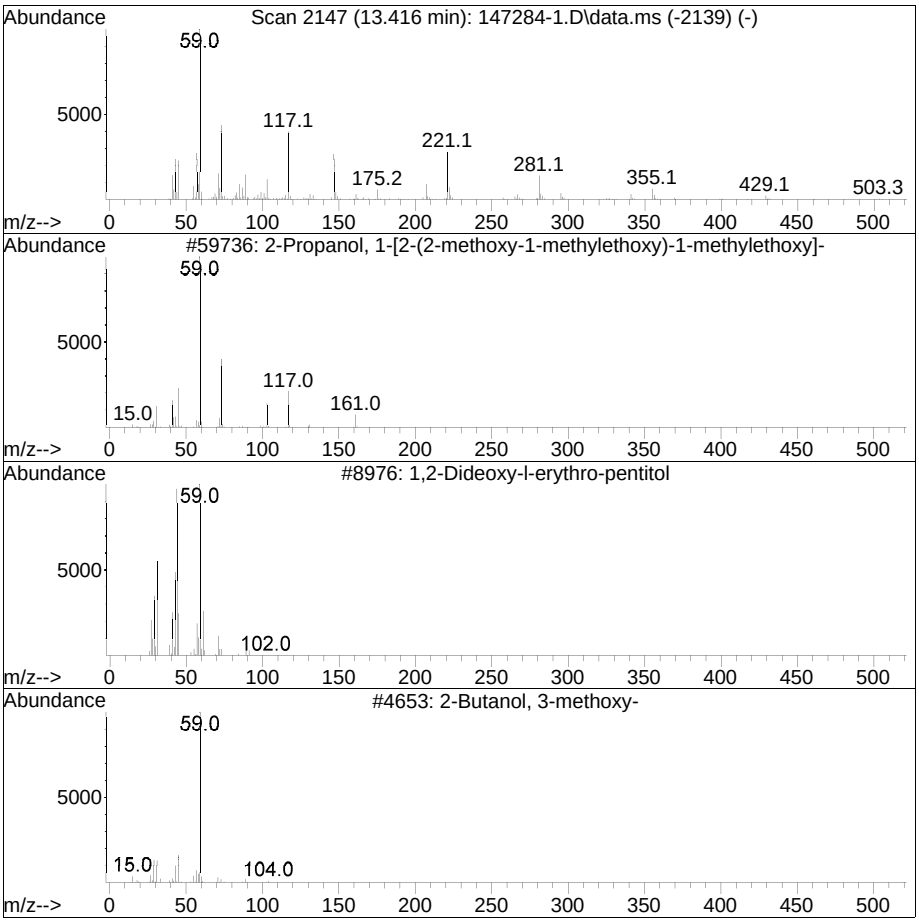
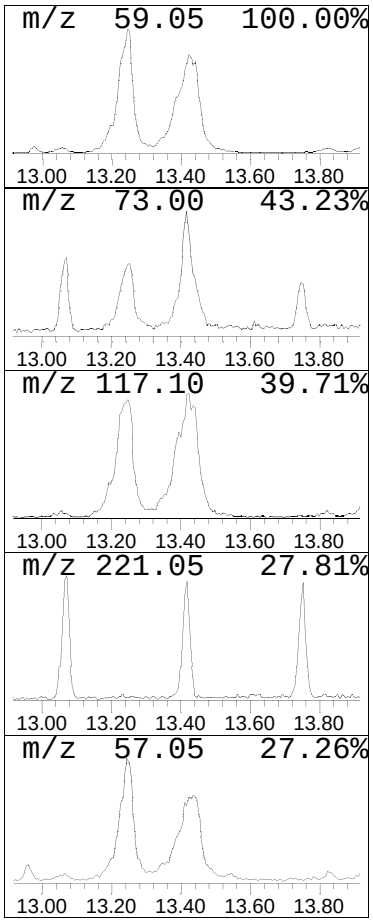
Peak Number 16 Unknown Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.416	4.17 ug/ml	552094	IS1_Perylene-d12	12.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-[2-(2-methoxy-1-me...	206	C10H22O4	020324-33-8	35
2	1,2-Dideoxy-l-erythro-pentitol	120	C5H12O3	1000112-47-4	27
3	2-Butanol, 3-methoxy-	104	C5H12O2	053778-72-6	27
4	2-Propanol, 1-methoxy-2-methyl-	104	C5H12O2	003587-64-2	27
5	Propane, 1,2-dimethoxy-	104	C5H12O2	007778-85-0	27





Tentatively Identified Compound (LSC) summary

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-1.D
Acq On : 29 Nov 2025 12:16 pm
Operator : SV112:smz
Sample : WG2147284-1,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown	10.040	2.0	ug/ml	289428	12	10.628	571828	4.0
Unknown Alkane	10.728	3.7	ug/ml	525893	12	10.628	571828	4.0
Unknown	10.934	6.4	ug/ml	911628	12	10.628	571828	4.0
Unknown Alkane	11.057	1.4	ug/ml	198793	12	10.628	571828	4.0
Unknown Organic...	11.387	1.4	ug/ml	184595	13	12.004	530034	4.0
Unknown	11.516	1.5	ug/ml	205238	13	12.004	530034	4.0
Unknown	11.593	5.0	ug/ml	656295	13	12.004	530034	4.0
Unknown Alkane	11.710	1.2	ug/ml	156311	13	12.004	530034	4.0
Unknown	11.804	9.2	ug/ml	1217530	13	12.004	530034	4.0
Unknown	11.928	1.4	ug/ml	184823	13	12.004	530034	4.0
Unknown	12.322	1.6	ug/ml	217889	13	12.004	530034	4.0
Unknown	12.445	6.9	ug/ml	915183	13	12.004	530034	4.0
Unknown	12.651	7.3	ug/ml	965599	13	12.004	530034	4.0
Unknown	13.251	7.0	ug/ml	924327	13	12.004	530034	4.0
Unknown	13.416	4.2	ug/ml	552094	13	12.004	530034	4.0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-2.D
Acq On : 29 Nov 2025 12:39 pm
Operator : SV112:smz
Sample : WG2147284-2,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 01 08:39:53 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:10:19 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\251129RVTb\ABN1129.D
: 2 - I:\8270\SV112\251129RVTb\ADP1129.D
: 3 - I:\8270\SV112\251129RVTb\AP91129.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	3.740	152	32932	4.000	ug/ml		0.00
Standard Area 1 = 32512			Recovery = 101.29%				
27) IS2_1,4-Dichlorobenzen...	3.740	152	32932	4.000	ug/ml		0.00
Standard Area 3 = 31519			Recovery = 104.48%				
32) IS3_1,4-Dichlorobenzen...	3.740	152	32932	4.000	ug/ml		0.00
Standard Area 2 = 31322			Recovery = 105.14%				
35) IS1_Naphthalene-d8	4.999	136	112890	4.000	ug/ml		0.00
Standard Area 1 = 113237			Recovery = 99.69%				
55) IS2_Naphthalene-d8	4.999	136	112890	4.000	ug/ml		0.00
Standard Area 3 = 109964			Recovery = 102.66%				
63) IS1_Acenaphthene-d10	6.687	164	73111	4.000	ug/ml		0.00
Standard Area 1 = 73361			Recovery = 99.66%				
83) IS2_Acenaphthene-d10	6.687	164	73111	4.000	ug/ml		0.00
Standard Area 3 = 69710			Recovery = 104.88%				
86) IS3_Acenaphthene-d10	6.687	164	73111	4.000	ug/ml		0.00
Standard Area 2 = 69026			Recovery = 105.92%				
88) IS1_Phenanthrene-d10	8.093	188	170106	4.000	ug/ml	#	0.00
Standard Area 1 = 168244			Recovery = 101.11%				
100) IS3_Phenanthrene-d10	8.093	188	170106	4.000	ug/ml	#	0.00
Standard Area 2 = 161689			Recovery = 105.21%				
104) IS1_Chrysene-d12	10.622	240	173724	4.000	ug/ml	#	0.00
Standard Area 1 = 177338			Recovery = 97.96%				
113) IS1_Perylene-d12	11.993	264	171484	4.000	ug/ml		0.00
Standard Area 1 = 179604			Recovery = 95.48%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.375	112	8573	0.942	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 47.10%				
7) Phenol-d6	3.481	99	8799	0.748	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 37.40%				
19) Nitrobenzene-d5	4.311	82	8046	0.722	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 72.20%				
46) 2-Fluorobiphenyl	6.087	172	18049	0.690	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 69.00%				
79) 2,4,6-Tribromophenol	7.452	330	5894	1.268	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 63.40%				

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-2.D
Acq On : 29 Nov 2025 12:39 pm
Operator : SV112:smz
Sample : WG2147284-2,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 01 08:39:53 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:10:19 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\251129RVTb\ABN1129.D
: 2 - I:\8270\SV112\251129RVTb\ADP1129.D
: 3 - I:\8270\SV112\251129RVTb\AP91129.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	9.669	244	29896	0.658	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 65.80%			
Target Compounds						Qvalue
6) 2-Chlorophenol	3.534	128	11342	1.070	ug/ml#	83
8) Phenol	3.493	94	10053	0.772	ug/ml#	83
9) Bis(2-chloroethyl)ether	3.522	93	12079	1.112	ug/ml#	60
10) 1,3-Dichlorobenzene	3.675	146	12368	0.955	ug/ml	99
11) 1,4-Dichlorobenzene	3.758	146	12288	0.927	ug/ml	96
12) 1,2-Dichlorobenzene	3.905	146	12280	0.958	ug/ml	95
13) Benzyl alcohol	3.934	79	13991	1.515	ug/ml#	86
14) Bis(2-chloroisopropyl)...	4.087	45	21308	1.205	ug/ml#	66
15) 2-Methylphenol	4.099	108	10817	1.138	ug/ml#	96
16) Hexachloroethane	4.234	117	5932	1.209	ug/ml#	63
17) n-Nitrosodi-n-propylamine	4.211	70	11450	1.347	ug/ml#	87
18) 3-Methylphenol/4-Methy...	4.269	108	12434	1.189	ug/ml#	1
20) Nitrobenzene	4.328	77	15819	1.367	ug/ml#	86
21) Isophorone	4.581	82	30340	1.293	ug/ml#	93
22) 2-Nitrophenol	4.652	139	6559	1.313	ug/ml#	71
23) 2,4-Dimethylphenol	4.775	107	16033	1.290	ug/ml#	82
24) Bis(2-chloroethoxy)met...	4.846	93	18126	1.218	ug/ml#	96
25) 2,4-Dichlorophenol	4.911	162	13306	1.211	ug/ml	96
26) 1,2,4-Trichlorobenzene	4.964	180	13544	1.069	ug/ml	98
29) Acetophenone	4.175	105	19832	1.216	ug/ml#	87
36) Naphthalene	5.016	128	33485	1.116	ug/ml	99
37) Benzoic Acid	4.858	105	2546	1.731	ug/ml	90
38) 4-Chloroaniline	5.116	65	7589M3	1.868	ug/ml	
39) Hexachlorobutadiene	5.187	225	10323	1.445	ug/ml	97
40) p-Chloro-m-cresol	5.658	107	15228	1.641	ug/ml	87
41) 2-Methylnaphthalene	5.705	142	23664	1.245	ug/ml#	95
43) Hexachlorocyclopentadiene	5.881	237	11639	1.595	ug/ml#	98
44) 2,4,6-Trichlorophenol	6.011	196	11506	1.417	ug/ml	93
45) 2,4,5-Trichlorophenol	6.052	196	12841	1.543	ug/ml	92
47) 2-Chloronaphthalene	6.158	162	27271	1.230	ug/ml	96
48) 2-Nitroaniline	6.293	138	9038	1.480	ug/ml#	69
51) Dimethyl phthalate	6.511	163	39917	1.419	ug/ml	99
52) Acenaphthylene	6.546	152	47791	1.321	ug/ml	98

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-2.D
Acq On : 29 Nov 2025 12:39 pm
Operator : SV112:smz
Sample : WG2147284-2,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 01 08:39:53 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:10:19 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\251129RVTb\ABN1129.D
: 2 - I:\8270\SV112\251129RVTb\ADP1129.D
: 3 - I:\8270\SV112\251129RVTb\AP91129.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
53) 2,6-Dinitrotoluene	6.546	165	8178	1.515 ug/ml#	59
61) 1,2,4,5-Tetrachloroben...	5.875	216	17784	1.421 ug/ml	97
62) Biphenyl	6.169	154	34400	1.246 ug/ml	94
64) 3-Nitroaniline	6.693	138	8629	1.508 ug/ml#	73
65) Acenaphthene	6.716	154	25904	1.286 ug/ml	97
66) 2,4-Dinitrophenol	6.793	184	3662	1.725 ug/ml	91
67) Dibenzofuran	6.887	168	44396	1.325 ug/ml	96
68) 2,4-Dinitrotoluene	6.922	165	11183	1.539 ug/ml	96
69) 4-Nitrophenol	6.946	65	6546M6	1.388 ug/ml	
72) Diethyl phthalate	7.199	149	42488	1.486 ug/ml	97
73) Fluorene	7.210	166	35906	1.319 ug/ml	94
74) 4-Chlorophenyl phenyl ...	7.252	204	21180	1.480 ug/ml#	83
75) 4-Nitroaniline	7.263	138	8134	1.431 ug/ml#	45
76) 4,6-Dinitro-o-cresol	7.305	198	7166	1.847 ug/ml	92
77) NDPA/DPA	7.375	169	31458	1.382 ug/ml	96
80) 4-Bromophenyl phenyl e...	7.710	248	12907	1.379 ug/ml#	89
81) Hexachlorobenzene	7.740	284	13985	1.261 ug/ml	88
82) Pentachlorophenol	7.952	266	8486	1.750 ug/ml	98
89) Phenanthrene	8.110	178	59388	1.271 ug/ml	99
90) Anthracene	8.157	178	61558	1.327 ug/ml	99
91) Carbazole	8.346	167	56475	1.337 ug/ml	97
92) Di-n-butylphthalate	8.781	149	75966	1.535 ug/ml	99
93) Fluoranthene	9.240	202	76468	1.353 ug/ml#	94
95) Pyrene	9.446	202	80006	1.376 ug/ml	97
97) Butyl benzyl phthalate	10.199	149	36858	1.643 ug/ml	94
105) Benzo(a)anthracene	10.610	228	81178	1.429 ug/ml	99
106) 3,3'-Dichlorobenzidine	10.640	252	27448	1.335 ug/ml	98
107) Chrysene	10.646	228	74007M3	1.401 ug/ml	
108) Bis(2-ethylhexyl)phtha...	10.816	149	54937	1.634 ug/ml#	99
109) Di-n-octylphthalate	11.457	149	89037	1.636 ug/ml#	95
110) Benzo(b)fluoranthene	11.646	252	72991	1.309 ug/ml#	95
111) Benzo(k)fluoranthene	11.669	252	68356M3	1.258 ug/ml	
112) Benzo(a)pyrene	11.934	252	68973M3	1.337 ug/ml	
114) Indeno(1,2,3-cd)pyrene	12.910	276	63079	1.332 ug/mL#	92
115) Dibenzo(a,h)anthracene	12.945	278	59677	1.308 ug/ml#	92
116) Benzo(ghi)perylene	13.116	276	57754	1.219 ug/ml#	93

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-2.D
Acq On : 29 Nov 2025 12:39 pm
Operator : SV112:smz
Sample : WG2147284-2,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 01 08:39:53 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:10:19 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\251129RVTb\ABN1129.D
: 2 - I:\8270\SV112\251129RVTb\ADP1129.D
: 3 - I:\8270\SV112\251129RVTb\AP91129.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

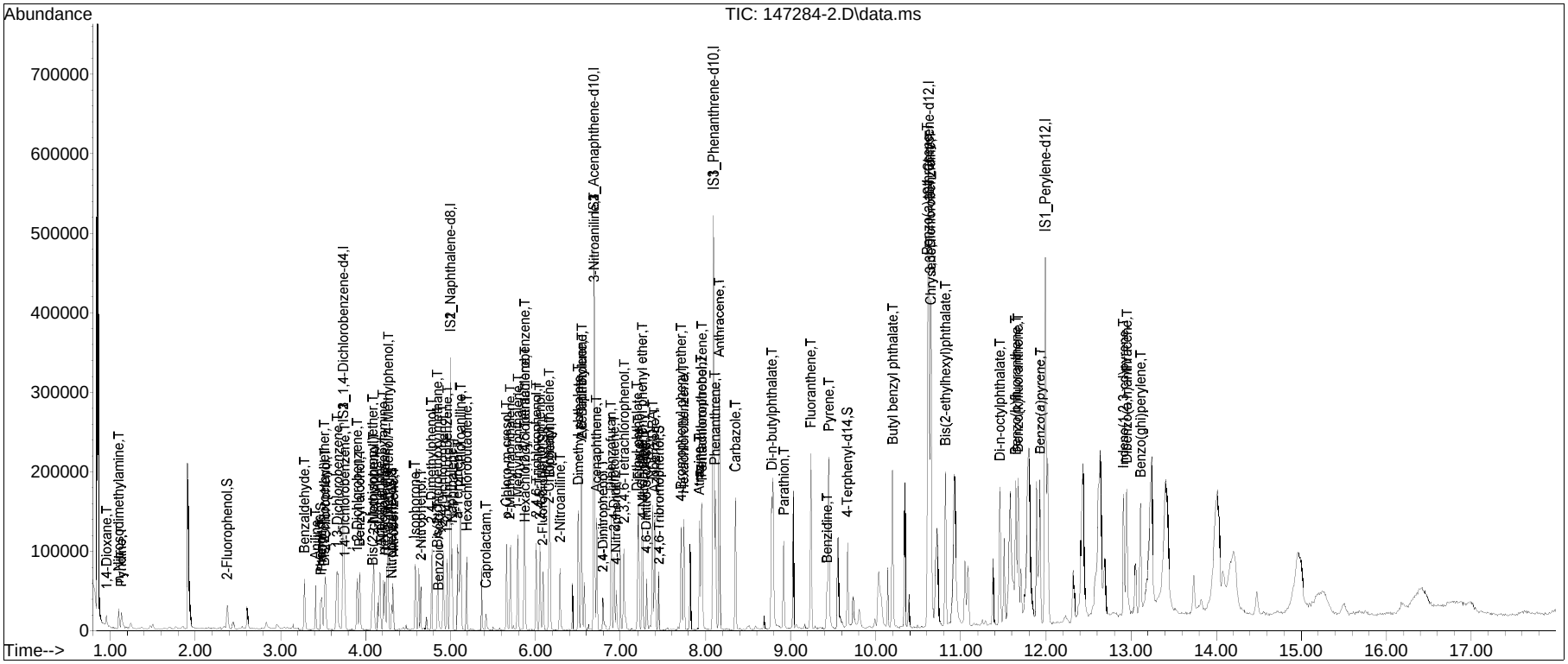
(#) = qualifier out of range (m) = manual integration (+) = signals summed

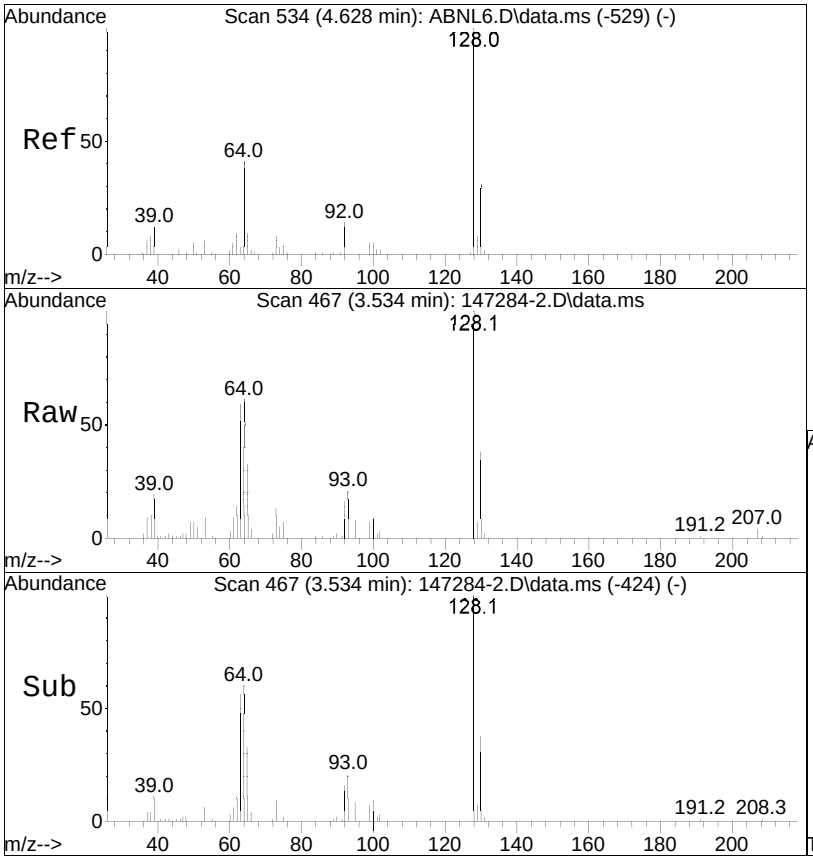
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-2.D
Acq On : 29 Nov 2025 12:39 pm
Operator : SV112:smz
Sample : WG2147284-2,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 01 08:39:53 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:10:19 2025
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MARVTb\AP91129.D•

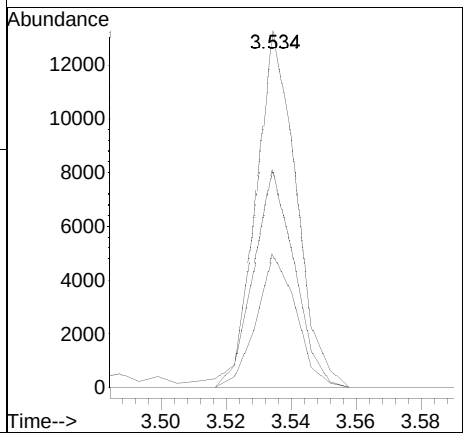


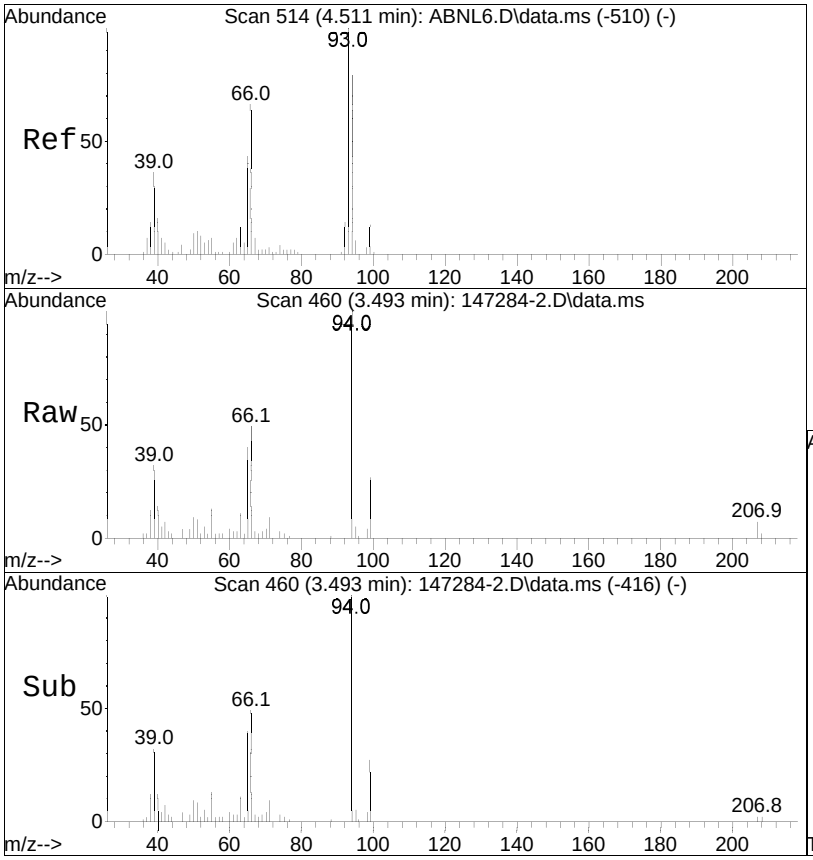


#6
2-Chlorophenol
Concen: 1.07 ug/ml
RT: 3.534 min Scan# 467
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:128 Resp: 11342

Ion	Ratio	Lower	Upper
128	100		
64	63.2	38.2	57.4#
130	37.1	26.2	39.2

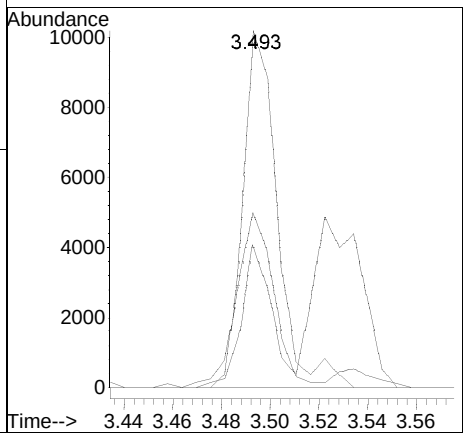


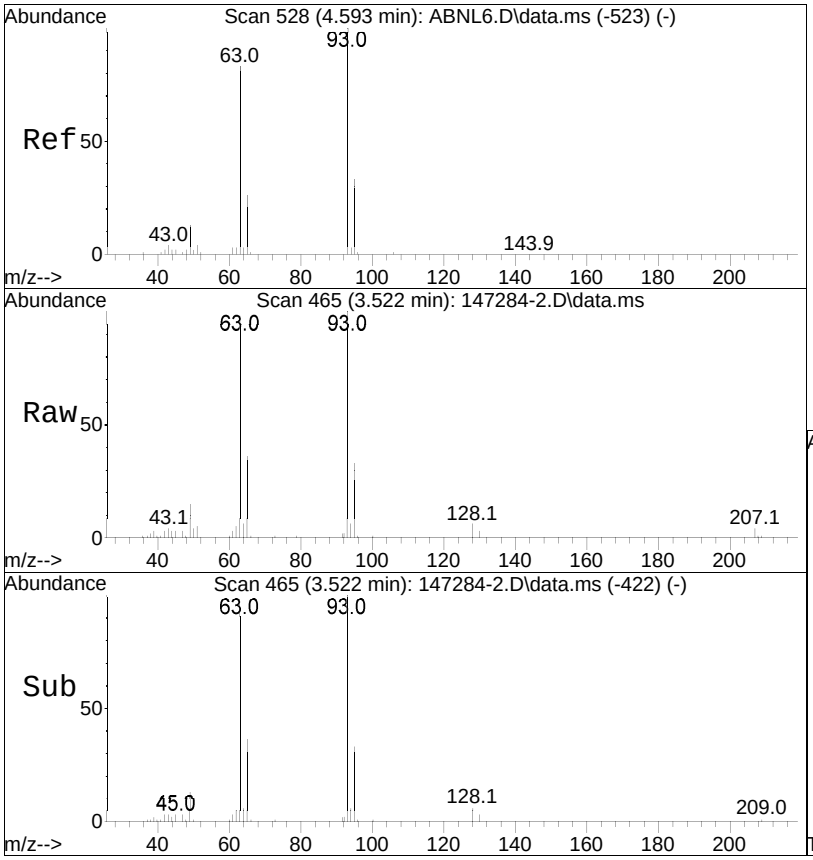


#8
Phenol
Concen: 0.77 ug/ml
RT: 3.493 min Scan# 460
Delta R.T. 0.006 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion: 94 Resp: 10053

Ion	Ratio	Lower	Upper
94	100		
65	35.3	23.0	34.6#
66	52.8	32.1	48.1#

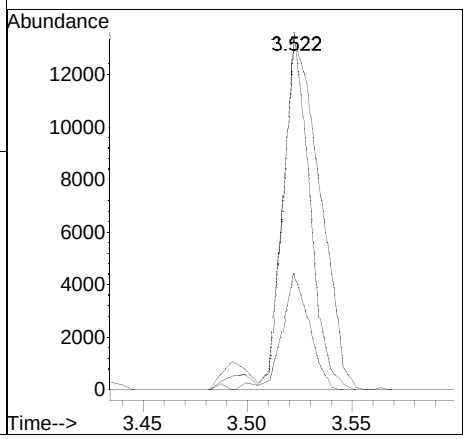


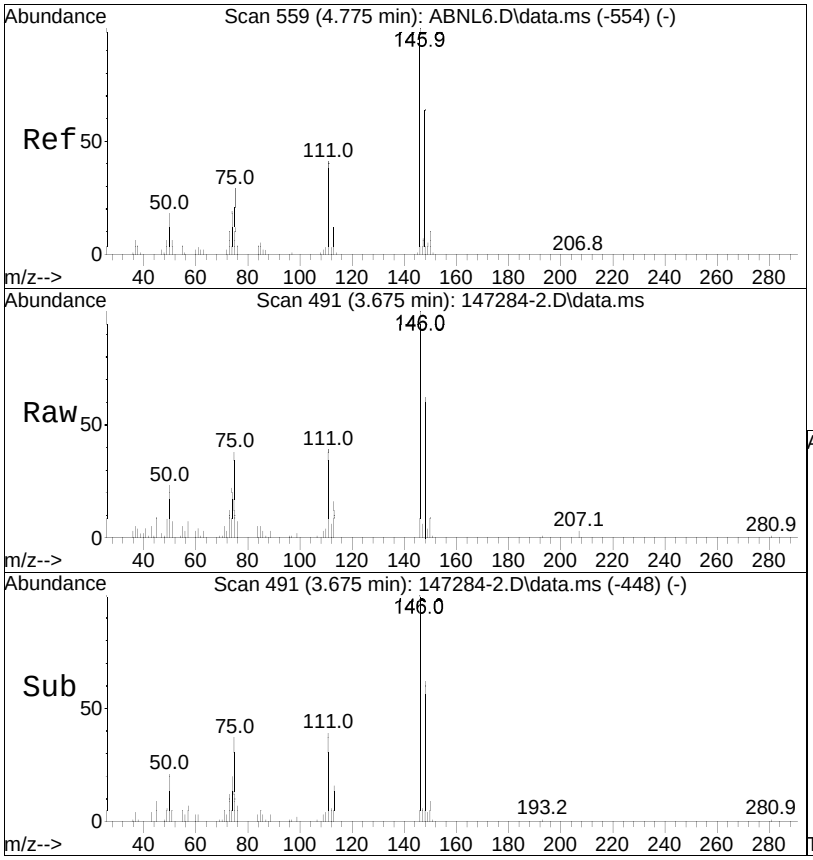


#9
Bis(2-chloroethyl)ether
Concen: 1.11 ug/ml
RT: 3.522 min Scan# 465
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion: 93 Resp: 12079

Ion	Ratio	Lower	Upper
93	100		
63	133.3	67.0	100.4#
95	32.1	26.1	39.1

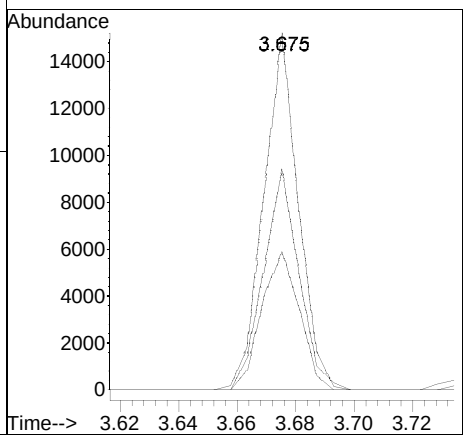


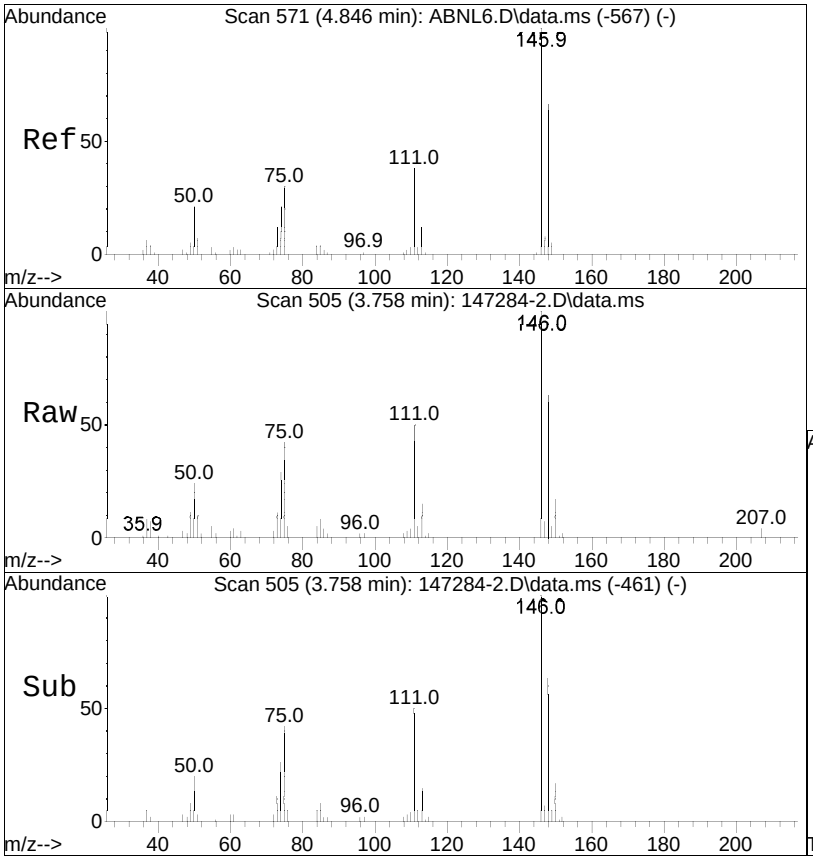


#10
1,3-Dichlorobenzene
Concen: 0.95 ug/ml
RT: 3.675 min Scan# 491
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:146 Resp: 12368

Ion	Ratio	Lower	Upper
146	100		
111	42.6	35.0	52.4
148	63.7	51.3	76.9

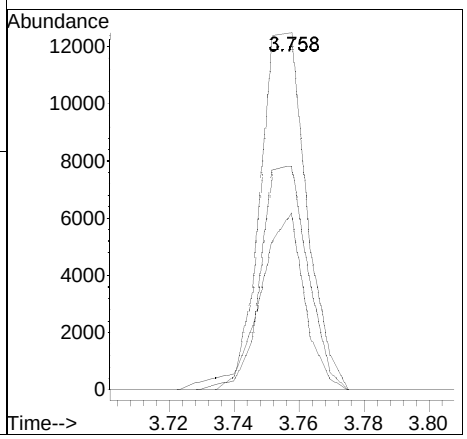


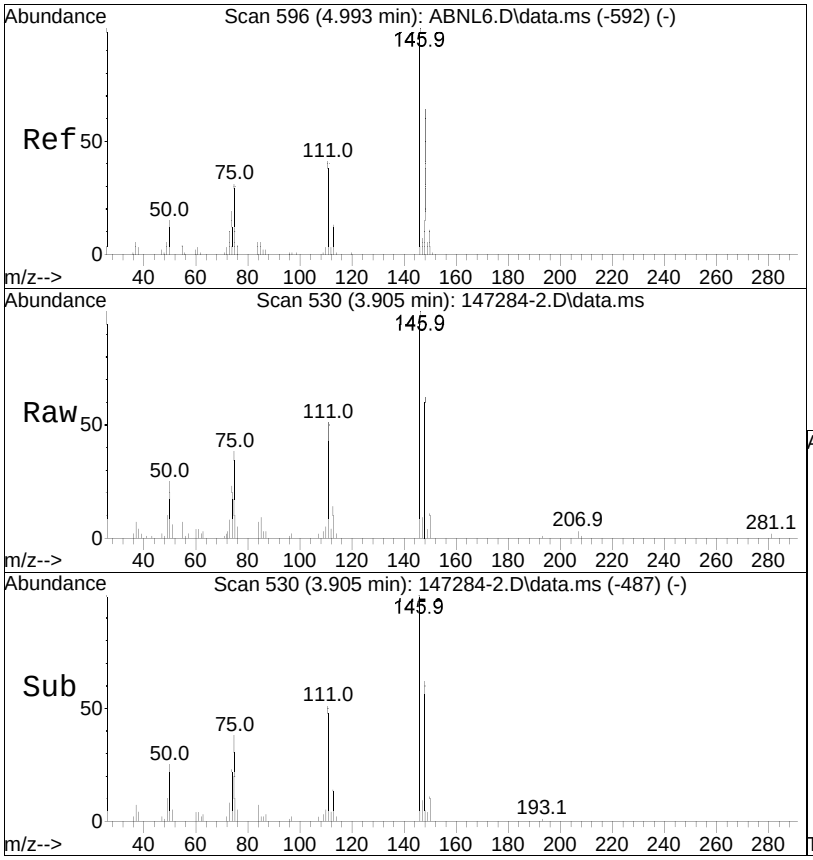


#11
1,4-Dichlorobenzene
Concen: 0.93 ug/ml
RT: 3.758 min Scan# 505
Delta R.T. 0.006 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:146 Resp: 12288

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.1	76.7
111	48.7	34.4	51.6

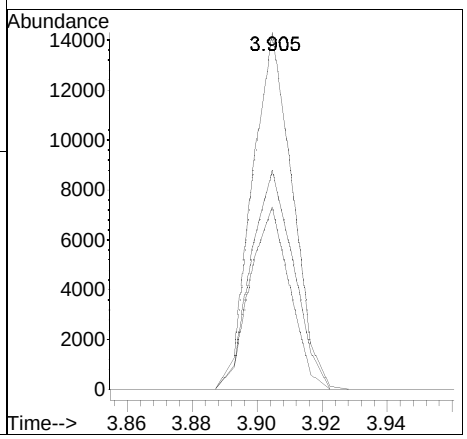


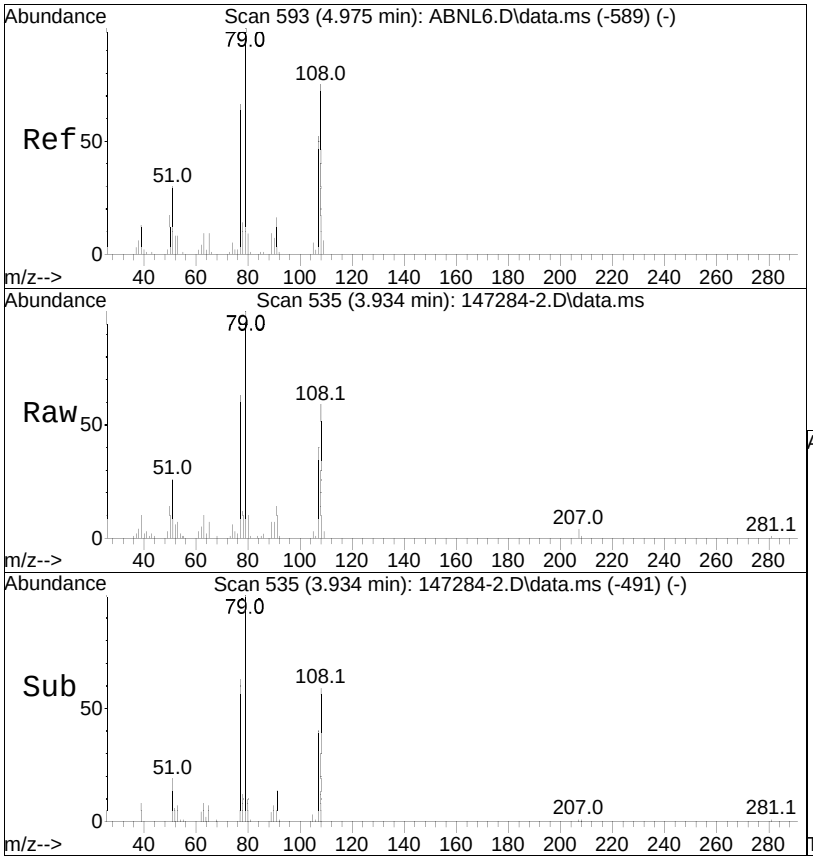


#12
1,2-Dichlorobenzene
Concen: 0.96 ug/ml
RT: 3.905 min Scan# 530
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:146 Resp: 12280

Ion	Ratio	Lower	Upper
146	100		
111	50.9	35.5	53.3
148	64.6	50.6	76.0

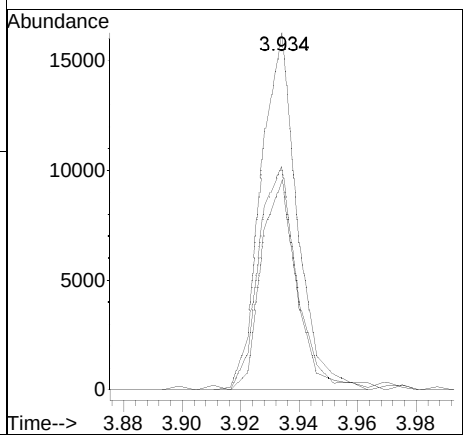


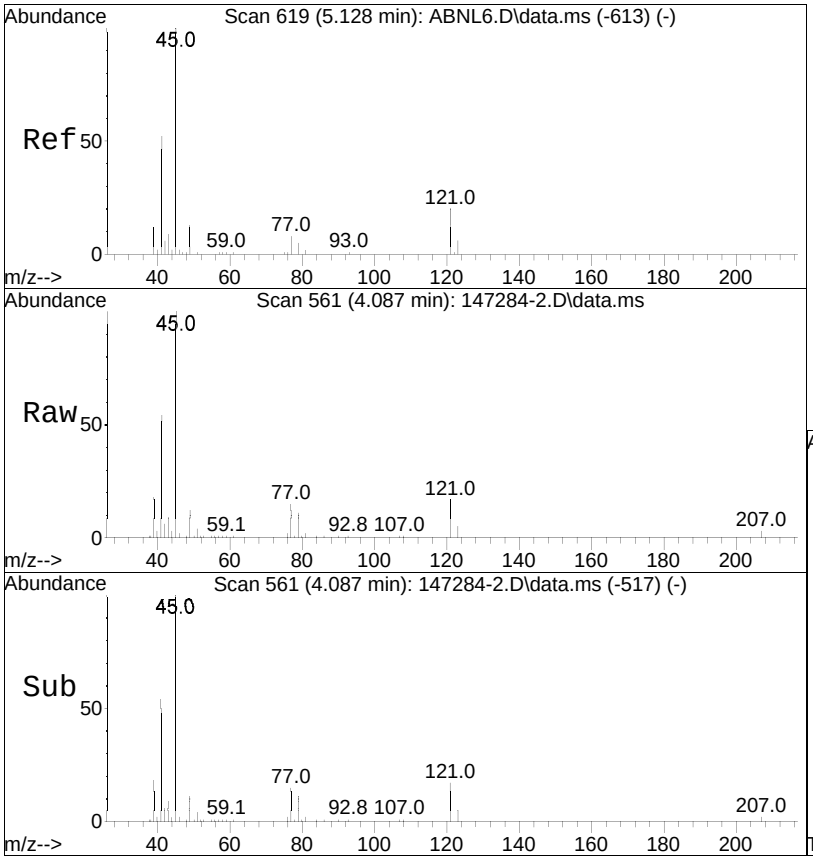


#13
Benzyl alcohol
Concen: 1.52 ug/ml
RT: 3.934 min Scan# 535
Delta R.T. 0.006 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion: 79 Resp: 13991

Ion	Ratio	Lower	Upper
79	100		
77	66.8	51.8	77.6
108	59.1	63.9	95.9#

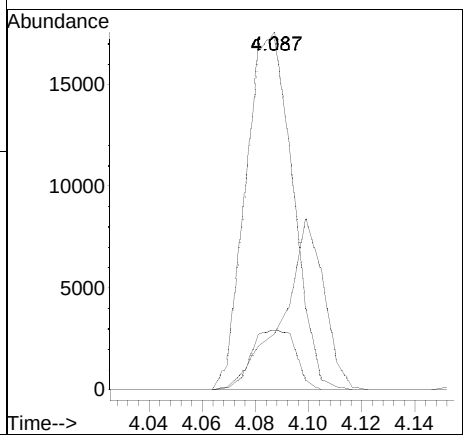


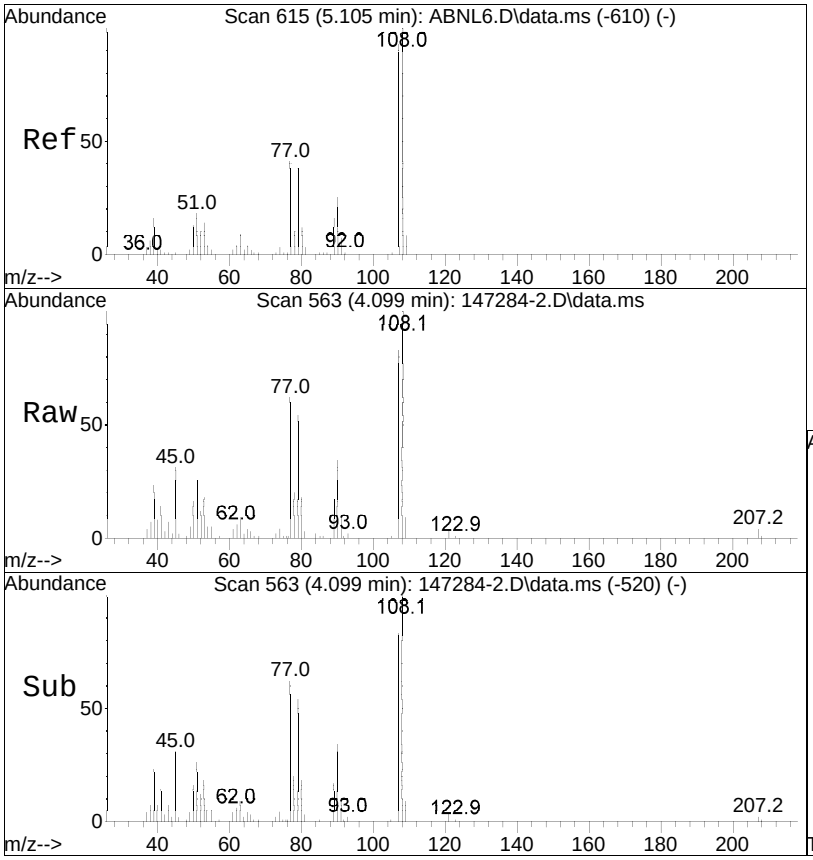


#14
Bis(2-chloroisopropyl)ether
Concen: 1.20 ug/ml
RT: 4.087 min Scan# 561
Delta R.T. 0.006 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion: 45 Resp: 21308

Ion	Ratio	Lower	Upper
45	100		
121	15.9	14.8	22.2
77	42.7	10.5	15.7#

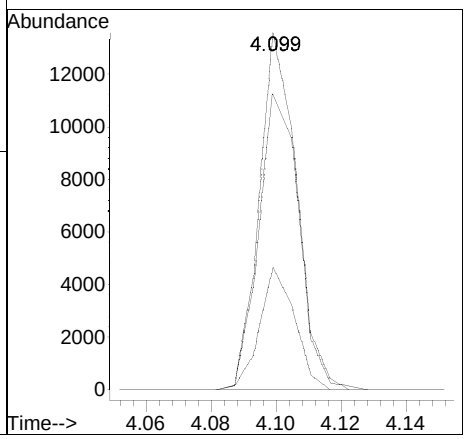


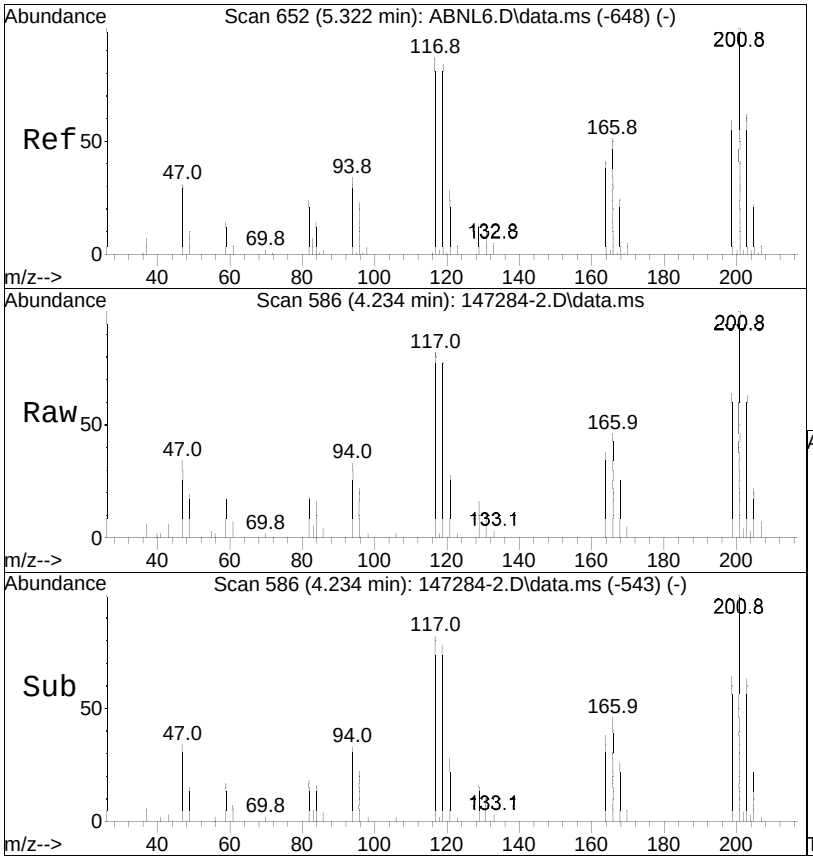


#15
2-Methylphenol
Concen: 1.14 ug/ml
RT: 4.099 min Scan# 563
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:108 Resp: 10817

Ion	Ratio	Lower	Upper
108	100		
107	89.1	71.0	106.4
90	32.4	19.7	29.5#

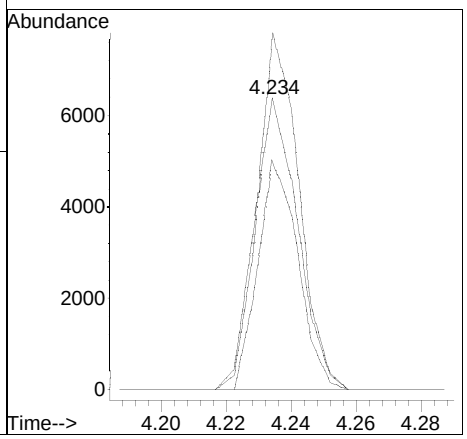


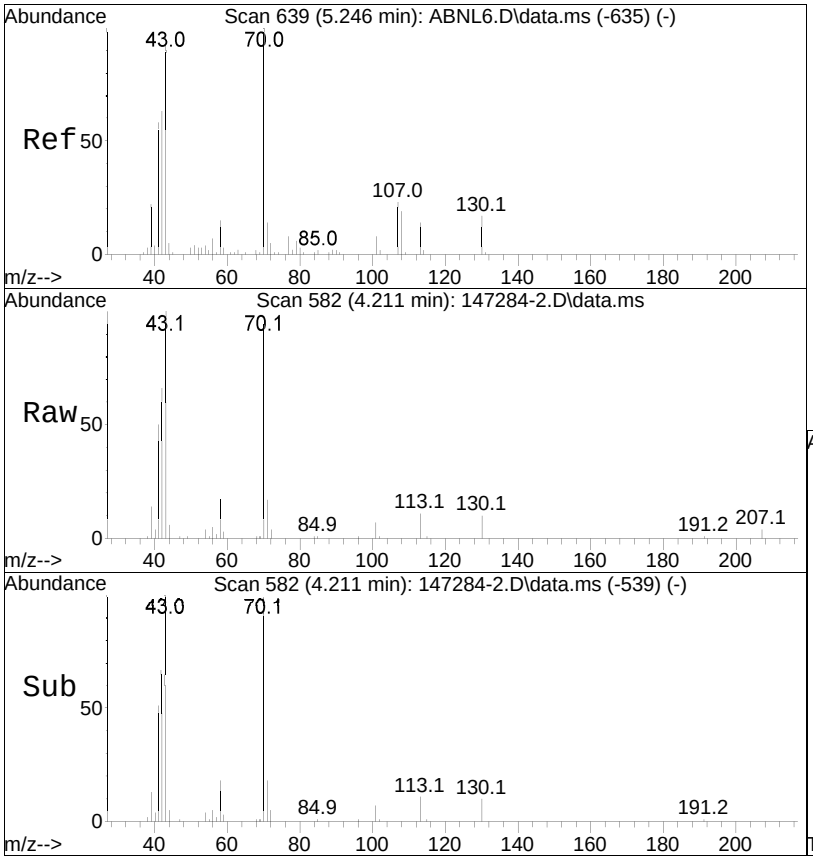


#16
Hexachloroethane
Concen: 1.21 ug/ml
RT: 4.234 min Scan# 586
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:117 Resp: 5932

Ion	Ratio	Lower	Upper
117	100		
201	115.8	64.4	96.6#
199	72.4	40.5	60.7#

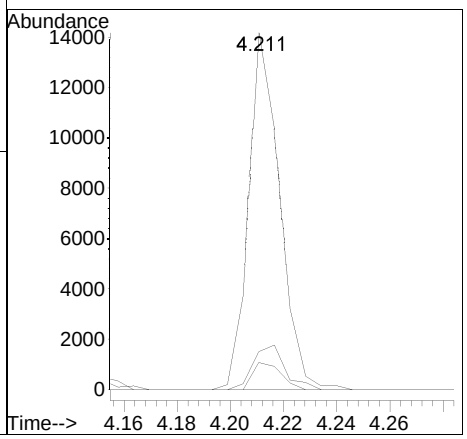


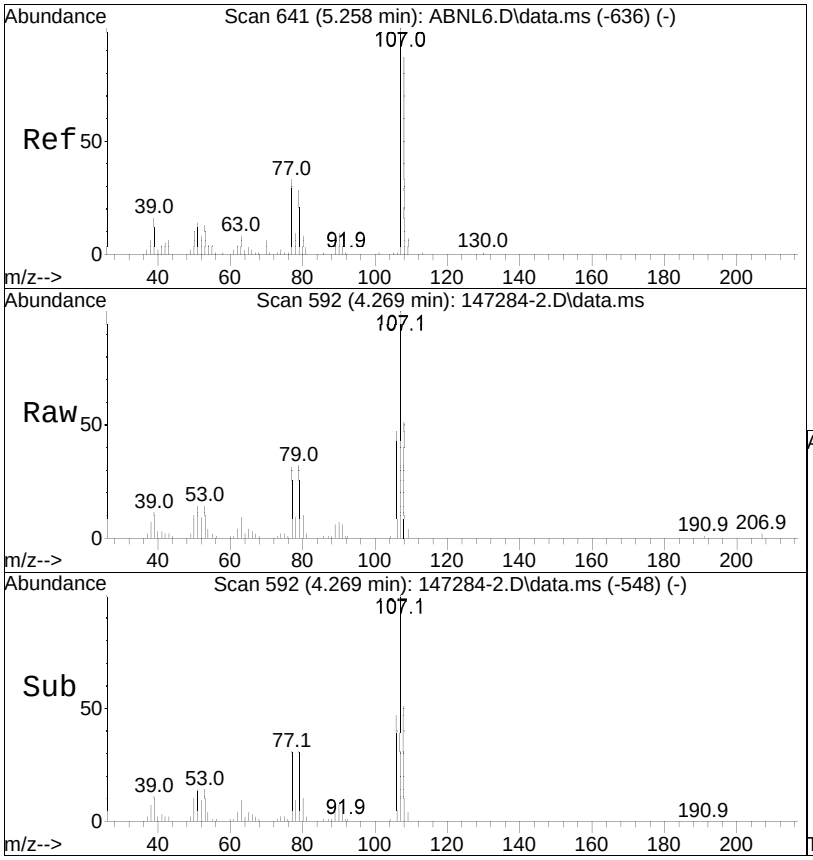


#17
n-Nitrosodi-n-propylamine
Concen: 1.35 ug/ml
RT: 4.211 min Scan# 582
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion: 70 Resp: 11450

Ion	Ratio	Lower	Upper
70	100		
130	12.9	16.2	24.4#
101	7.0	7.6	11.4#

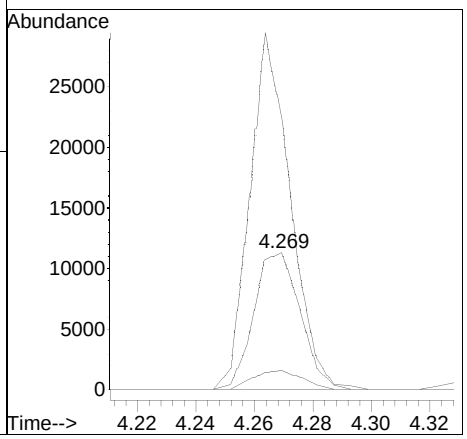


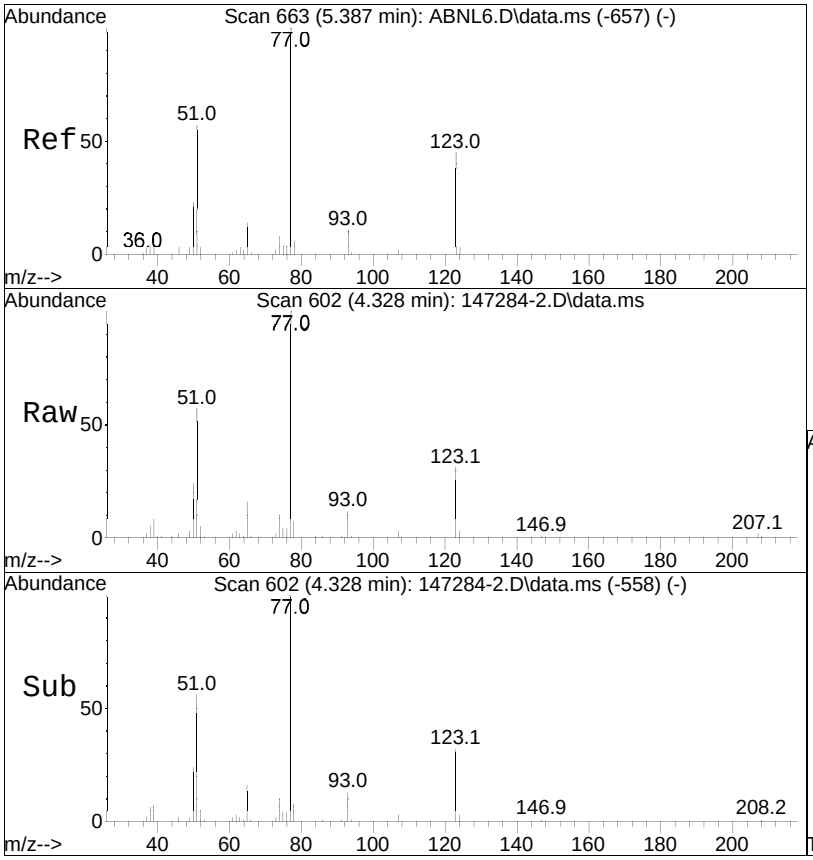


#18
3-Methylphenol/4-Methylphenol
Concen: 1.19 ug/ml
RT: 4.269 min Scan# 592
Delta R.T. 0.006 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:108 Resp: 12434

Ion	Ratio	Lower	Upper
108	100		
107	226.2	88.8	133.2#
90	14.6	9.0	13.6#

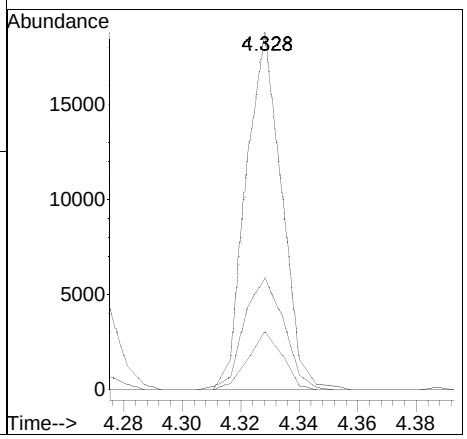


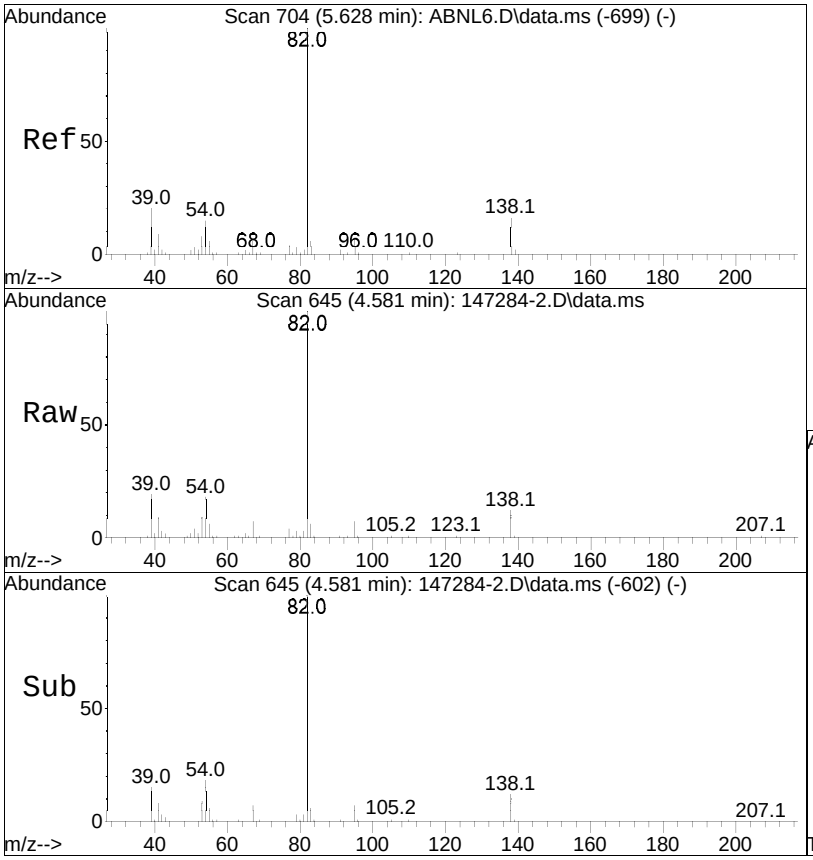


#20
Nitrobenzene
Concen: 1.37 ug/ml
RT: 4.328 min Scan# 602
Delta R.T. 0.006 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion: 77 Resp: 15819

Ion	Ratio	Lower	Upper
77	100		
123	35.3	37.3	55.9#
65	15.8	10.9	16.3

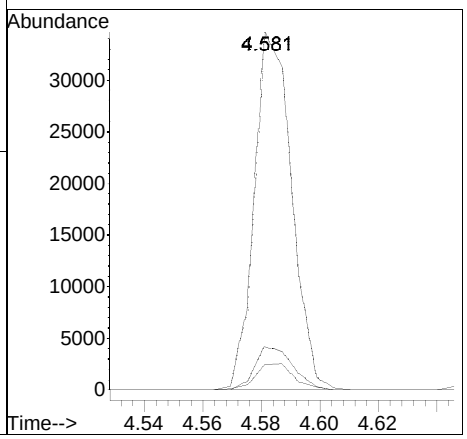


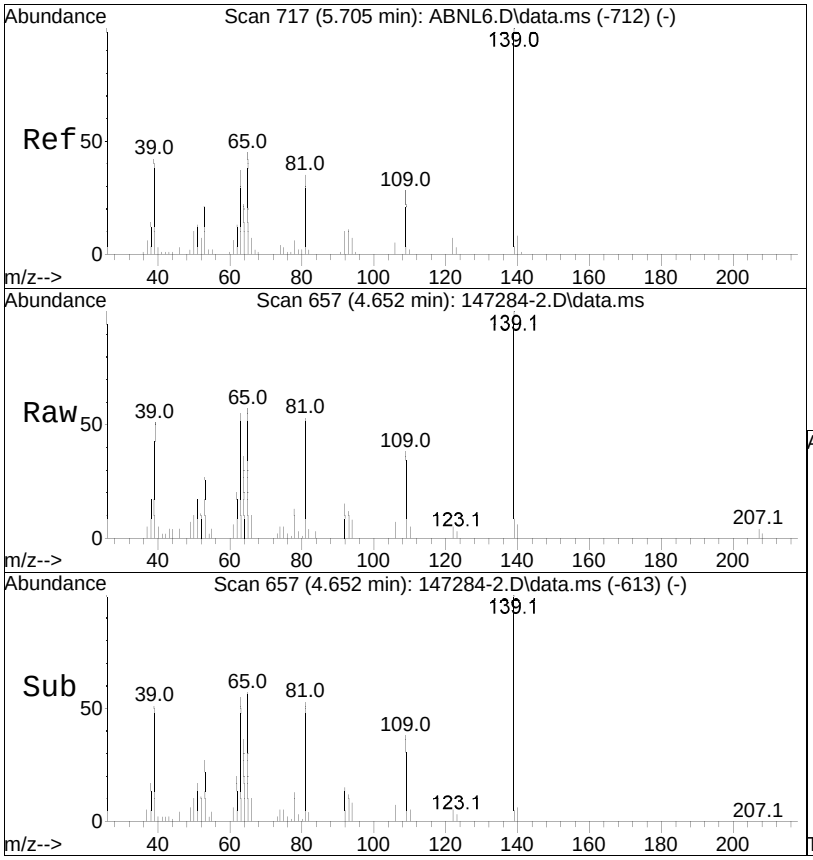


#21
Isophorone
Concen: 1.29 ug/ml
RT: 4.581 min Scan# 645
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion: 82 Resp: 30340

Ion	Ratio	Lower	Upper
82	100		
138	12.4	13.0	19.4#
95	7.6	5.5	8.3

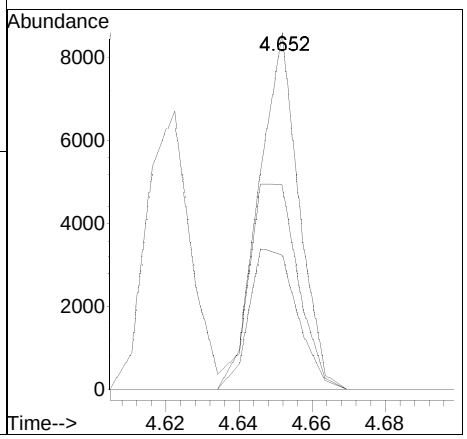


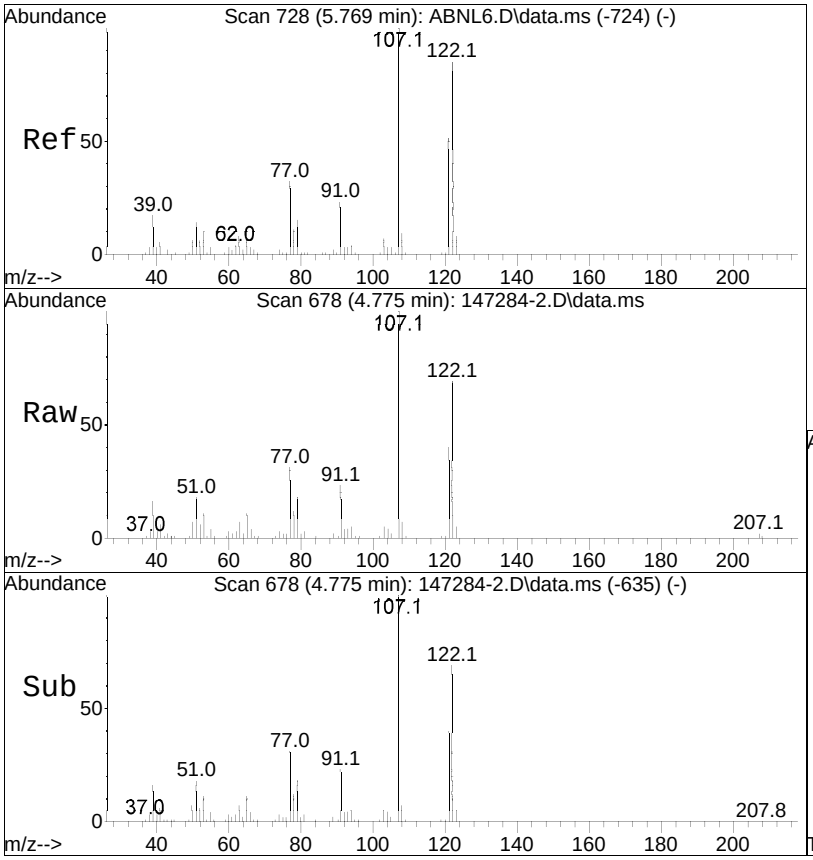


#22
2-Nitrophenol
Concen: 1.31 ug/ml
RT: 4.652 min Scan# 657
Delta R.T. 0.006 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:139 Resp: 6559

Ion	Ratio	Lower	Upper
139	100		
109	47.1	23.1	34.7#
65	69.6	41.4	62.2#

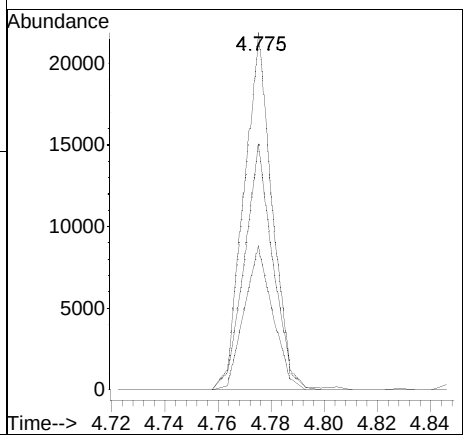


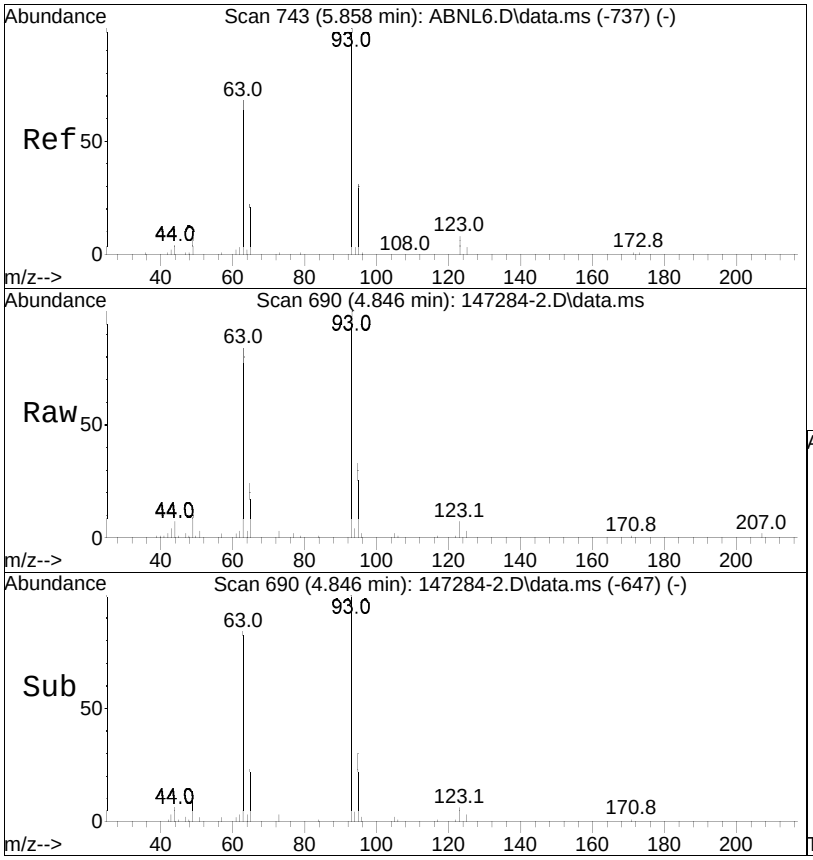


#23
2,4-Dimethylphenol
Concen: 1.29 ug/ml
RT: 4.775 min Scan# 678
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:107 Resp: 16033

Ion	Ratio	Lower	Upper
107	100		
121	40.6	41.3	61.9#
122	69.4	69.3	103.9

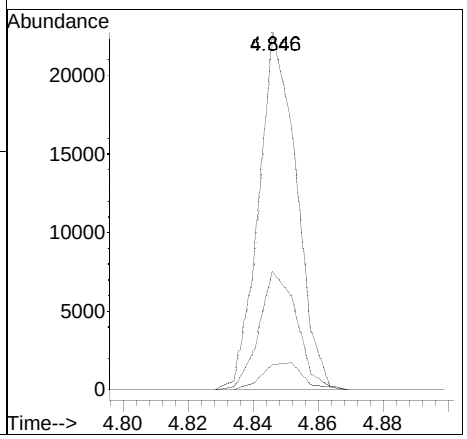


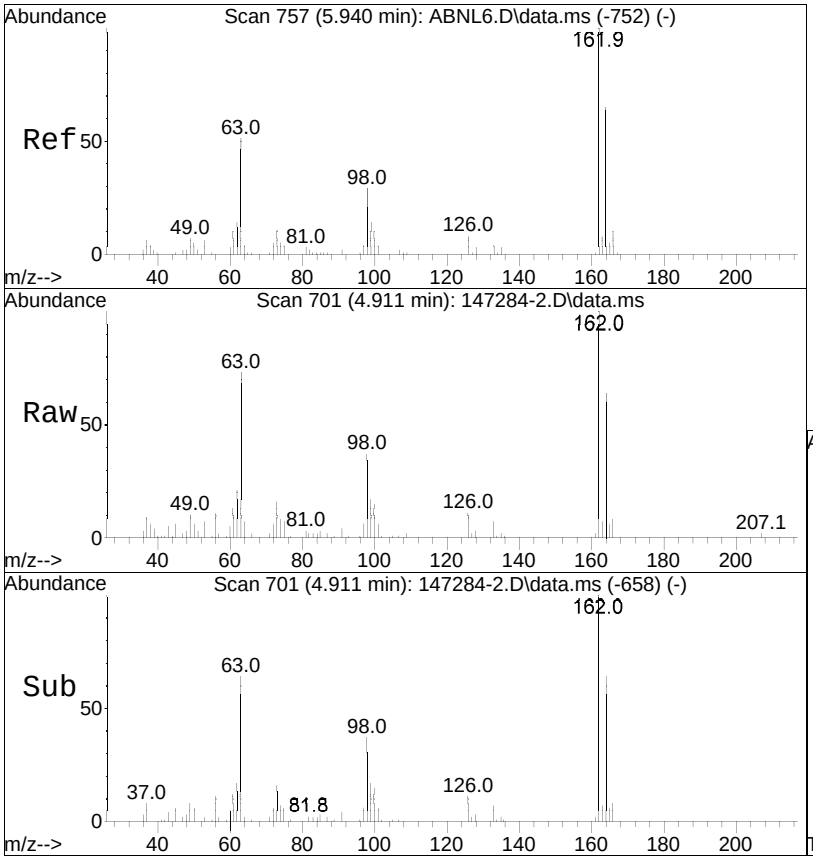


#24
Bis(2-chloroethoxy)methane
Concen: 1.22 ug/ml
RT: 4.846 min Scan# 690
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion: 93 Resp: 18126

Ion	Ratio	Lower	Upper
93	100		
95	33.5	25.8	38.8
123	8.2	9.6	14.4#

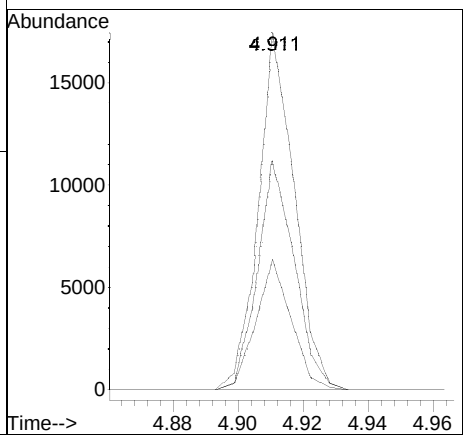


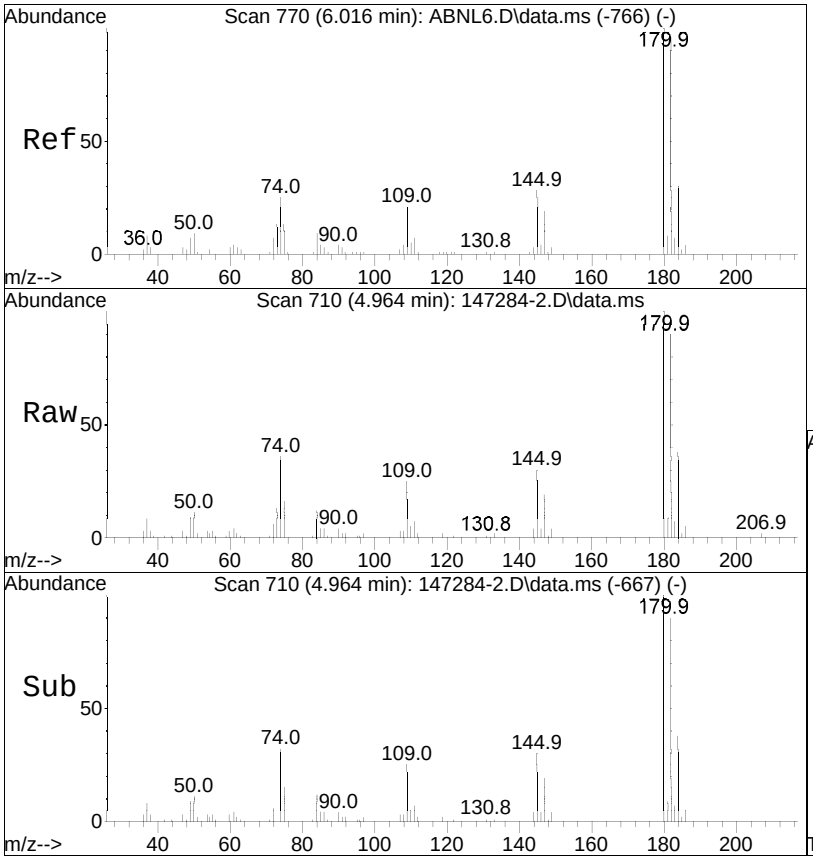


#25
2,4-Dichlorophenol
Concen: 1.21 ug/ml
RT: 4.911 min Scan# 701
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:162 Resp: 13306

Ion	Ratio	Lower	Upper
162	100		
164	65.8	51.1	76.7
98	36.0	32.2	48.2

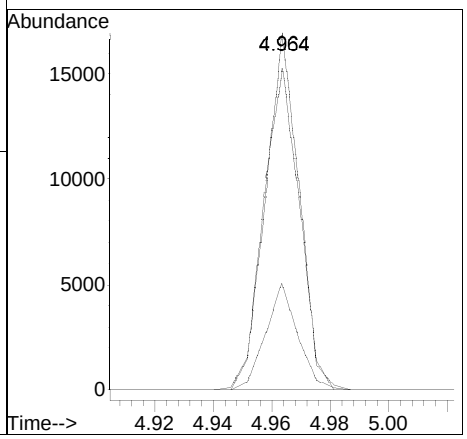


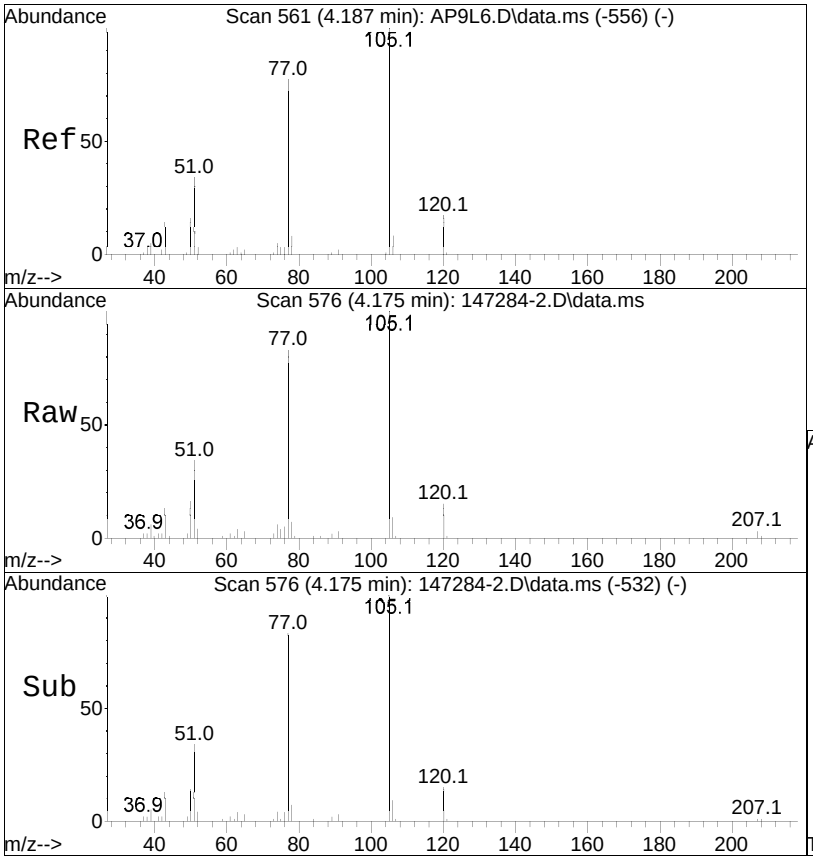


#26
1,2,4-Trichlorobenzene
Concen: 1.07 ug/ml
RT: 4.964 min Scan# 710
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:180 Resp: 13544

Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.8	113.8
145	28.5	26.3	39.5

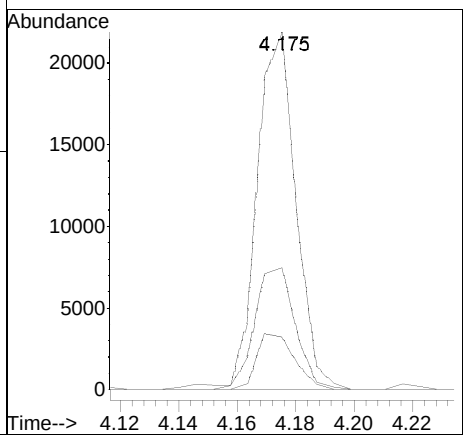


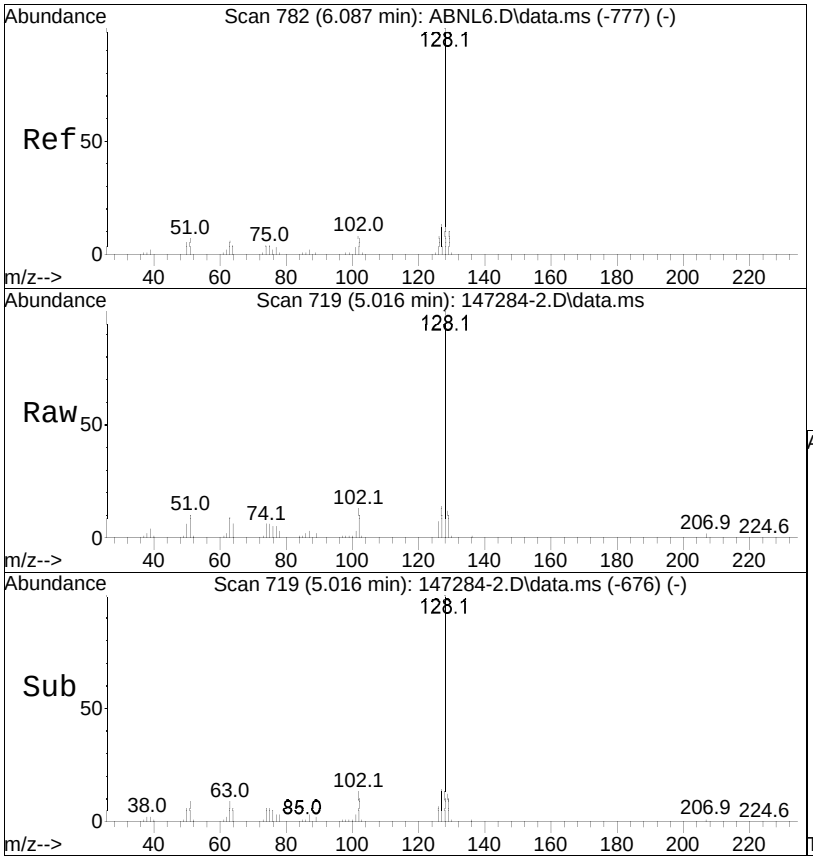


#29
Acetophenone
Concen: 1.22 ug/ml
RT: 4.175 min Scan# 576
Delta R.T. 0.006 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:105 Resp: 19832

Ion	Ratio	Lower	Upper
105	100		
120	15.5	15.2	22.8
51	37.4	23.1	34.7#

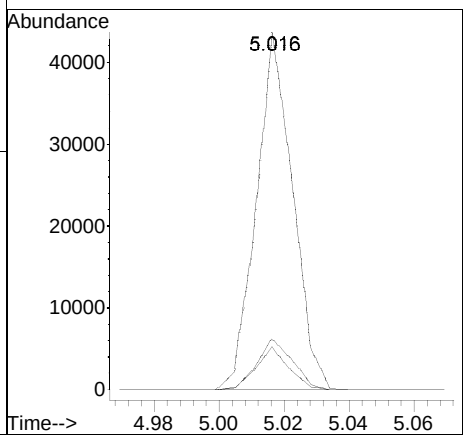


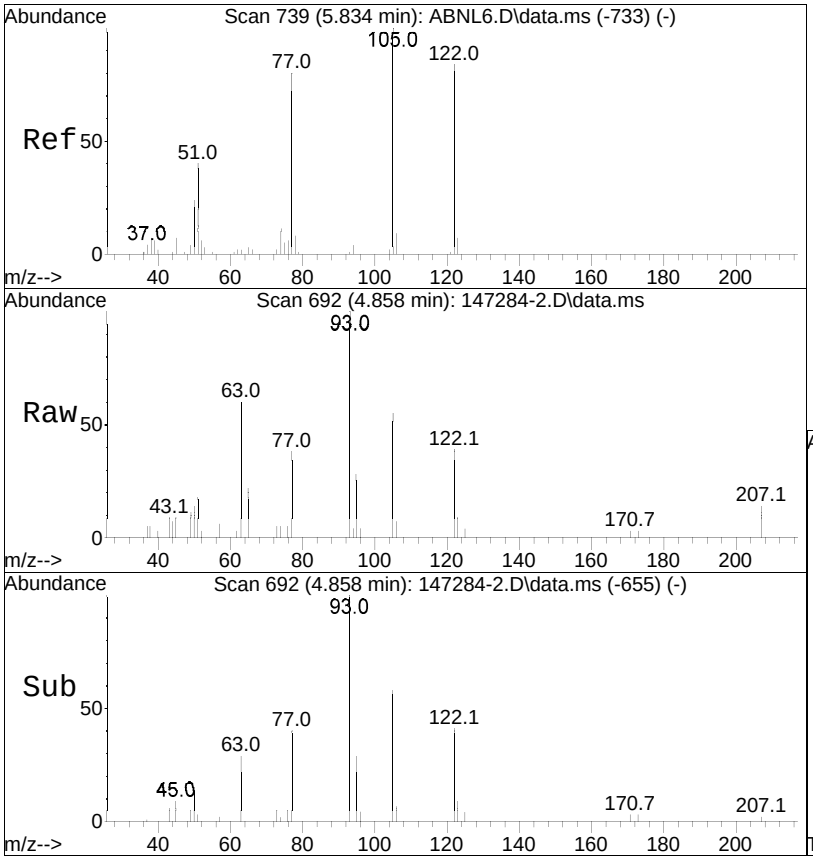


#36
Naphthalene
Concen: 1.12 ug/ml
RT: 5.016 min Scan# 719
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:128 Resp: 33485

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	14.1	10.6	15.8

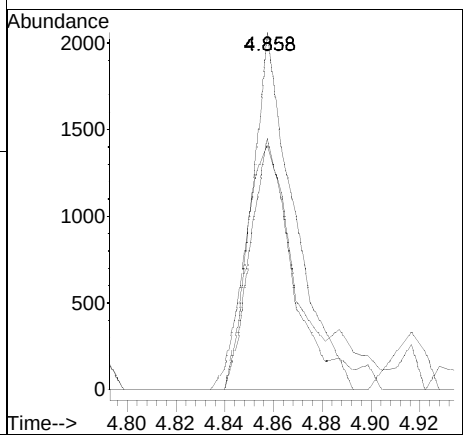


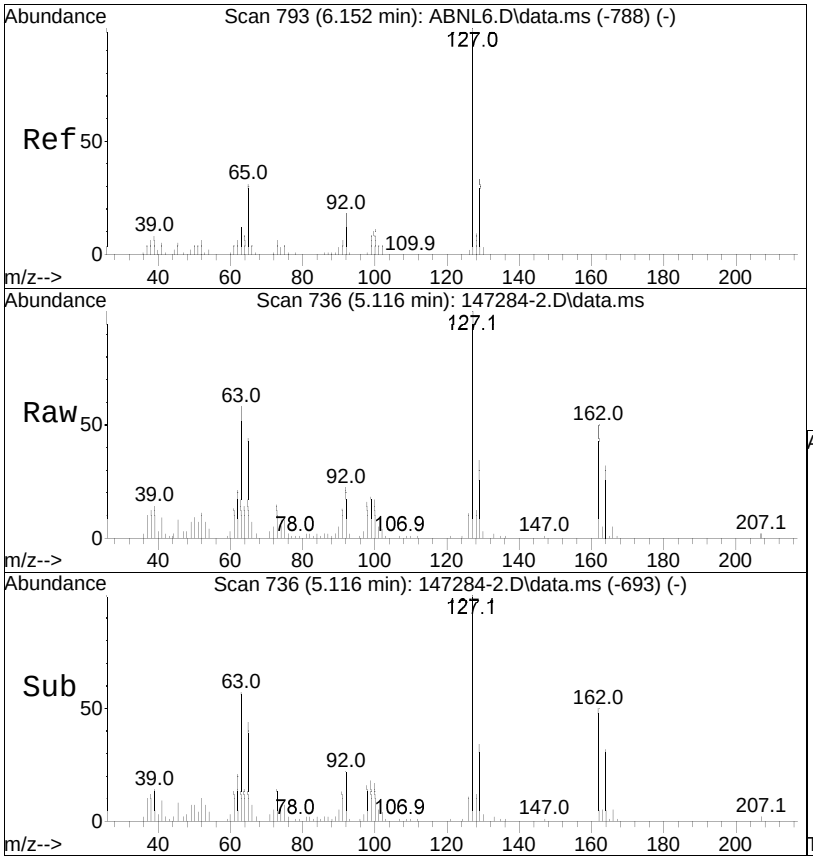


#37
Benzoic Acid
Concen: 1.73 ug/ml
RT: 4.858 min Scan# 692
Delta R.T. -0.035 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:105 Resp: 2546

Ion	Ratio	Lower	Upper
105	100		
122	72.2	62.6	93.8
77	85.3	59.1	88.7

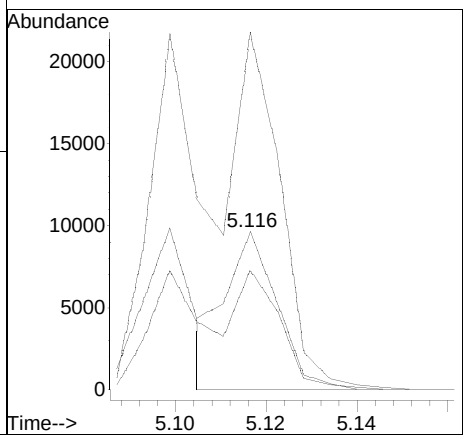


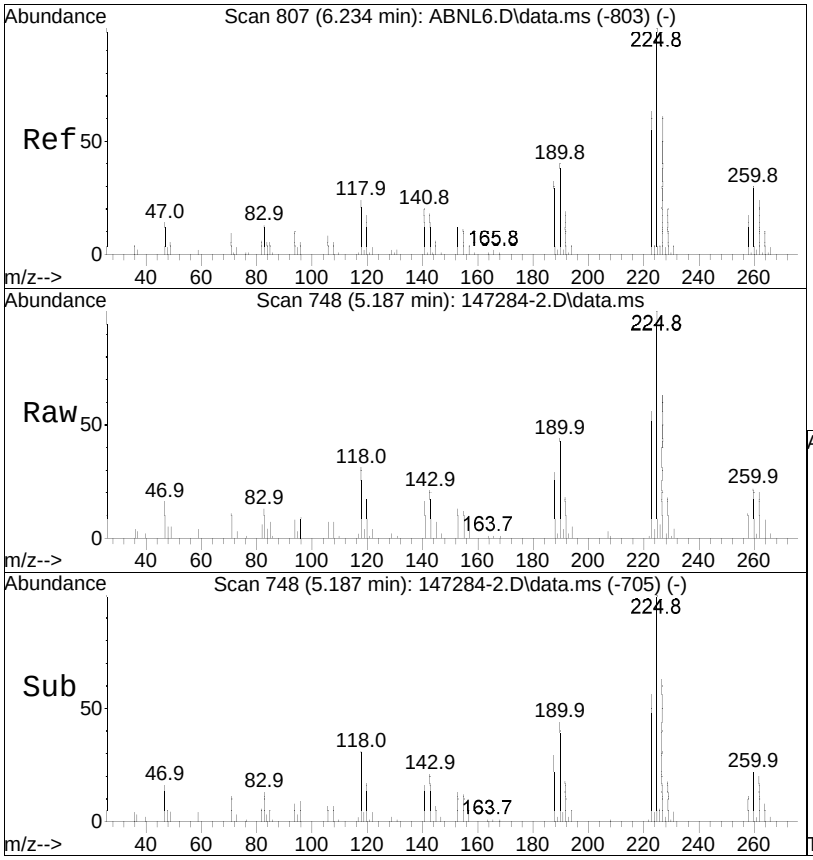


#38
4-Chloroaniline
Concen: 1.87 ug/ml M3
RT: 5.116 min Scan# 736
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion: 65 Resp: 7589

Ion	Ratio	Lower	Upper
65	100		
127	241.6	266.2	399.4#
129	83.4	85.0	127.4#

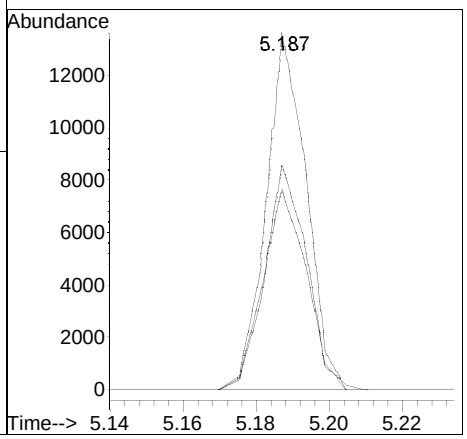


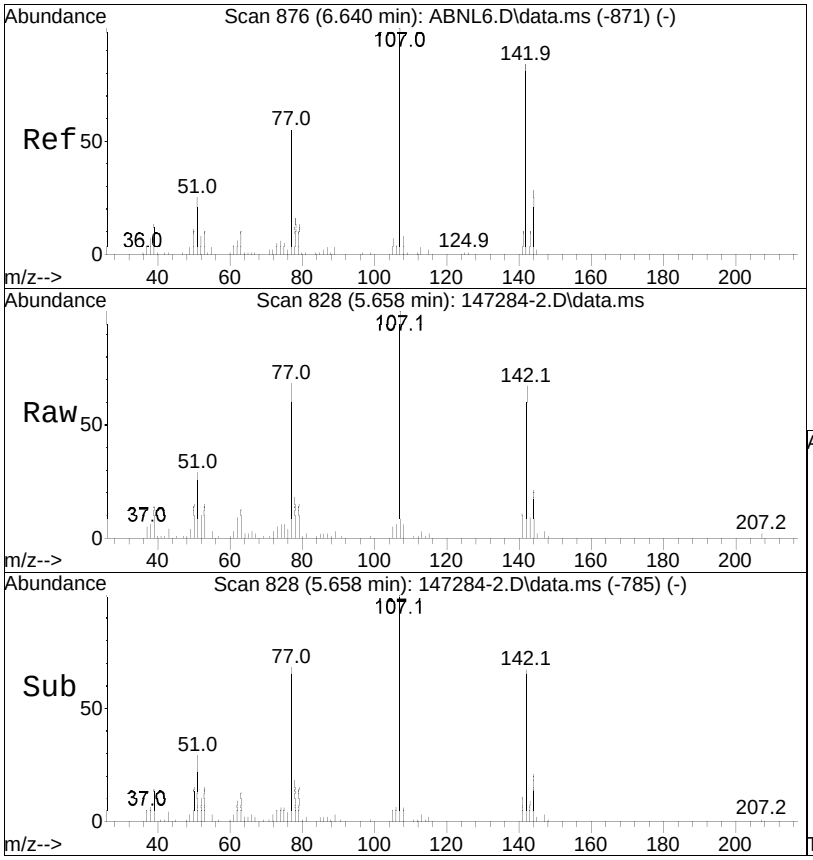


#39
Hexachlorobutadiene
Concen: 1.45 ug/ml
RT: 5.187 min Scan# 748
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:225 Resp: 10323

Ion	Ratio	Lower	Upper
225	100		
223	61.3	50.5	75.7
227	65.7	50.4	75.6

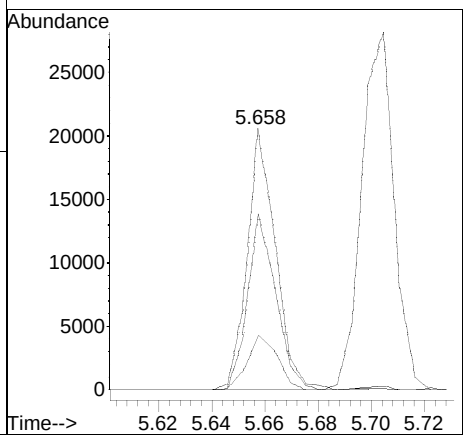


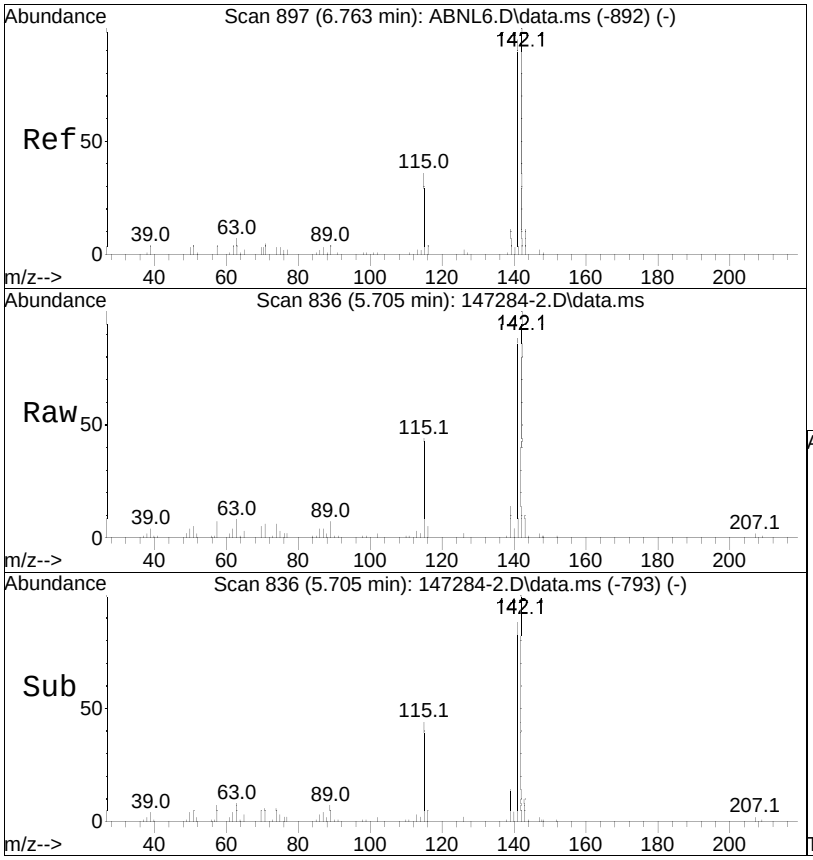


#40
p-Chloro-m-cresol
Concen: 1.64 ug/ml
RT: 5.658 min Scan# 828
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:107 Resp: 15228

Ion	Ratio	Lower	Upper
107	100		
144	22.2	20.3	30.5
142	66.9	63.8	95.6

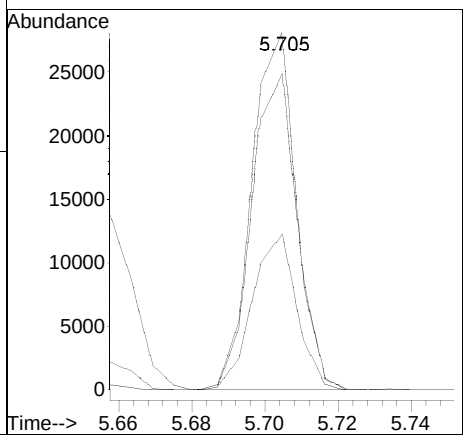


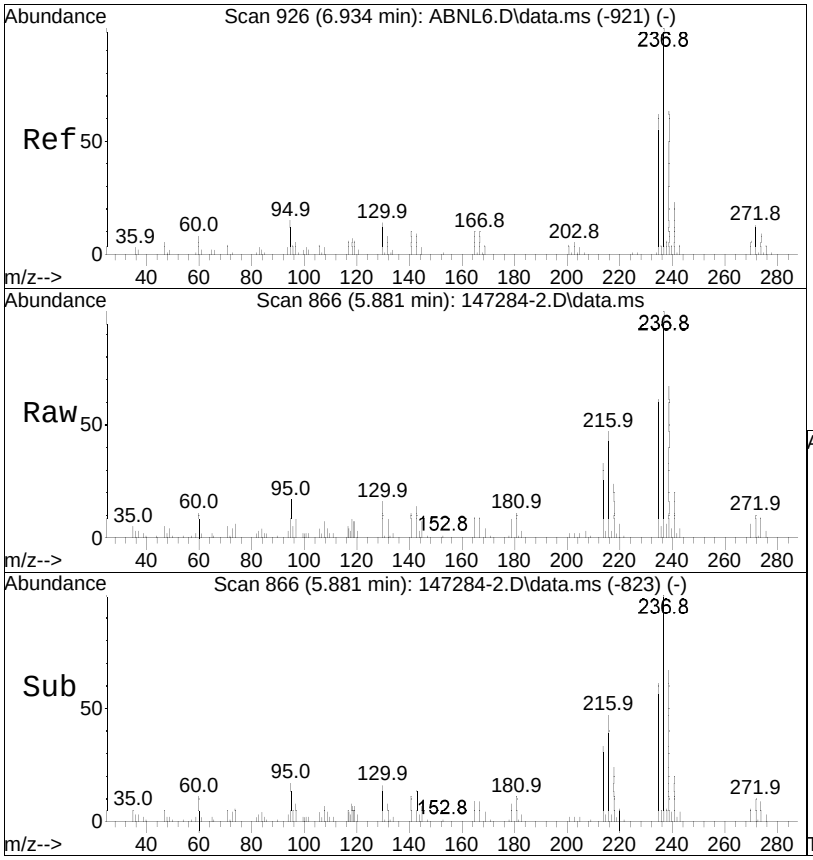


#41
2-Methylnaphthalene
Concen: 1.24 ug/ml
RT: 5.705 min Scan# 836
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:142 Resp: 23664

Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.2	108.4
115	43.8	27.8	41.6#

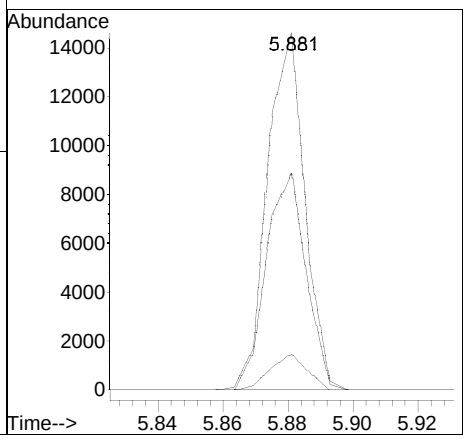


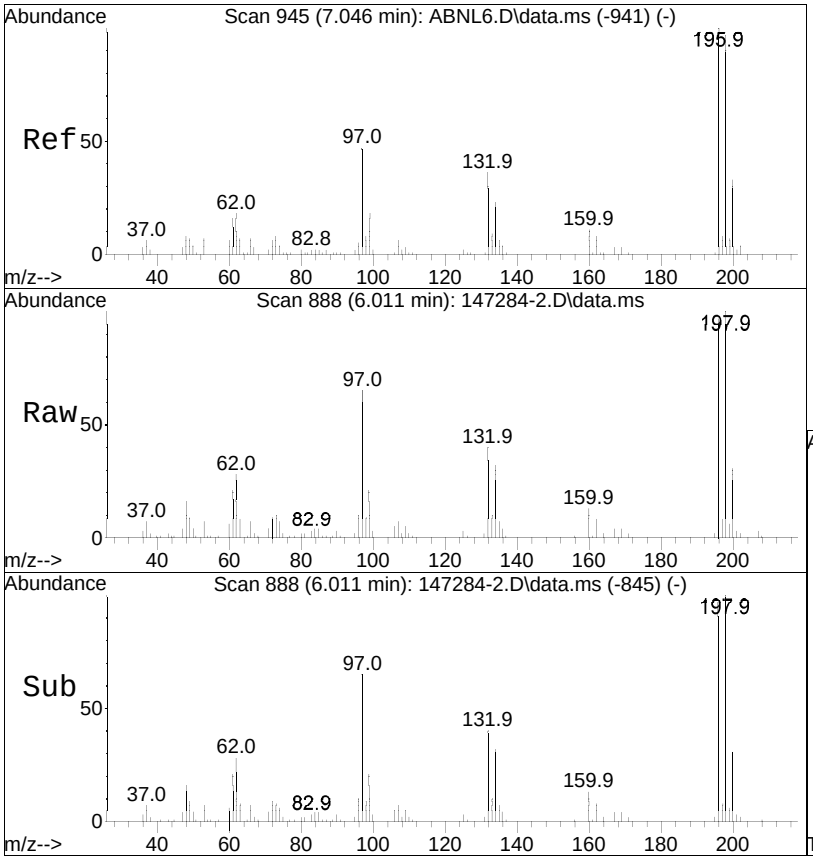


#43
Hexachlorocyclopentadiene
Concen: 1.59 ug/ml
RT: 5.881 min Scan# 866
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:237 Resp: 11639

Ion	Ratio	Lower	Upper
237	100		
235	64.9	50.9	76.3
272	10.0	10.1	15.1#

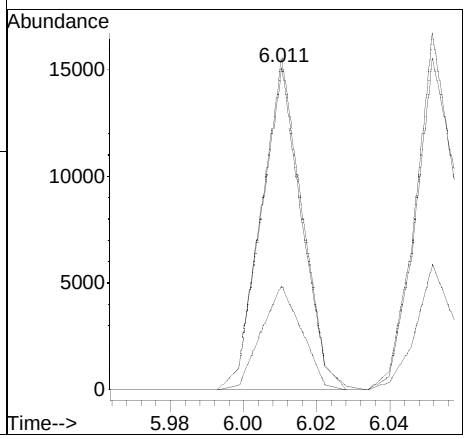


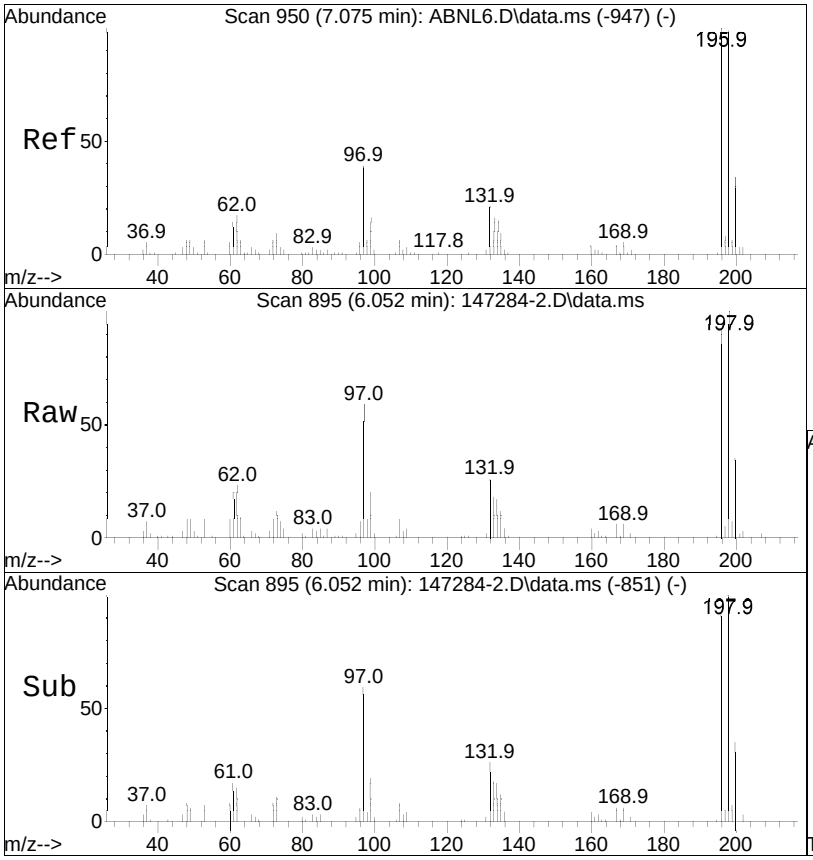


#44
2,4,6-Trichlorophenol
Concen: 1.42 ug/ml
RT: 6.011 min Scan# 888
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:196 Resp: 11506

Ion	Ratio	Lower	Upper
196	100		
198	103.5	76.4	114.6
200	32.3	24.4	36.6

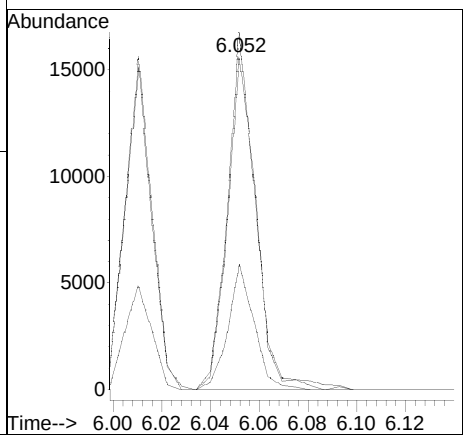


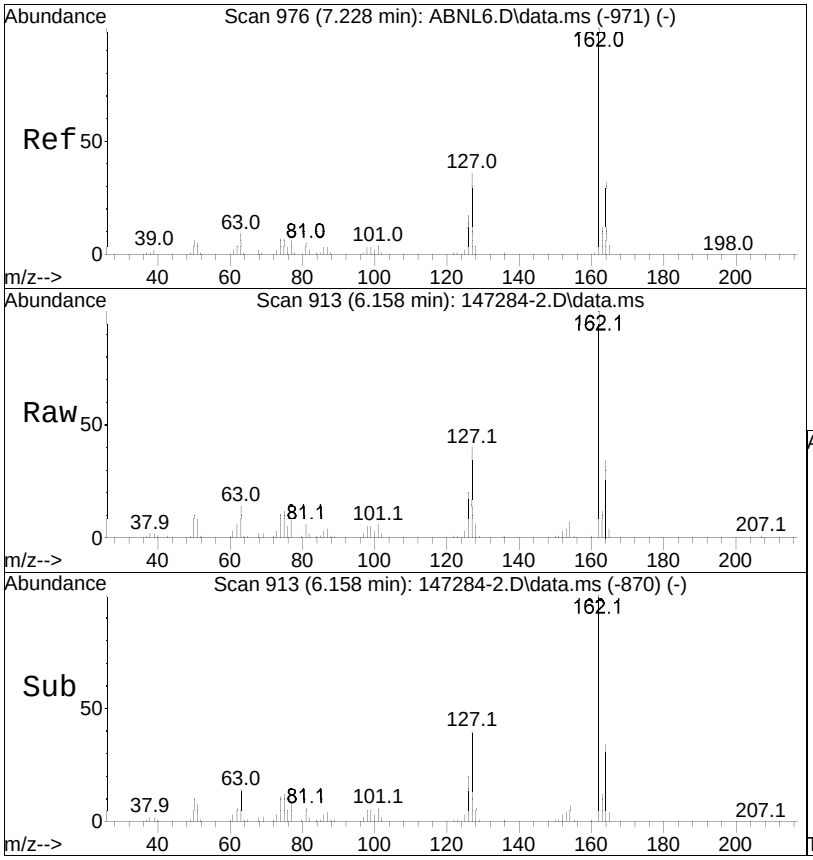


#45
2,4,5-Trichlorophenol
Concen: 1.54 ug/ml
RT: 6.052 min Scan# 895
Delta R.T. 0.006 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:196 Resp: 12841

Ion	Ratio	Lower	Upper
196	100		
200	34.2	24.2	36.4
198	103.0	76.2	114.2

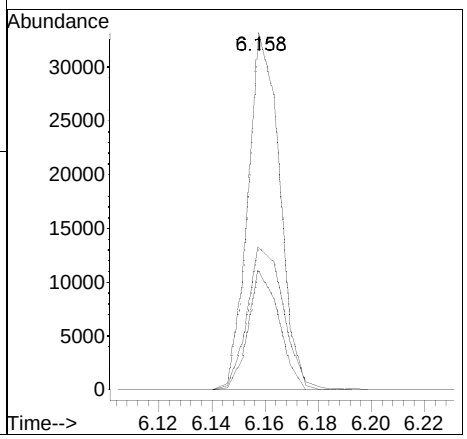


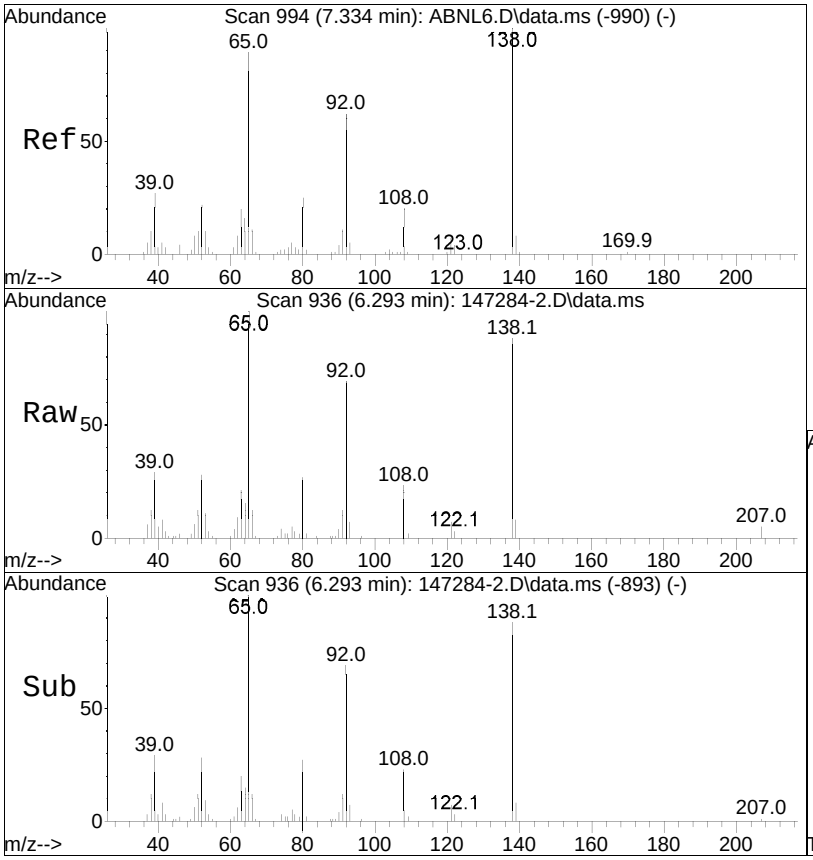


#47
2-Chloronaphthalene
Concen: 1.23 ug/ml
RT: 6.158 min Scan# 913
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:162 Resp: 27271

Ion	Ratio	Lower	Upper
162	100		
127	46.0	33.8	50.6
164	32.5	25.8	38.6

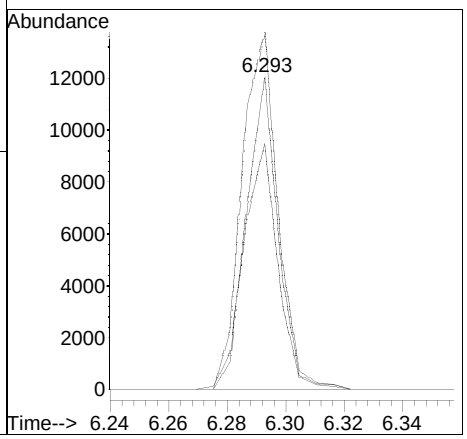


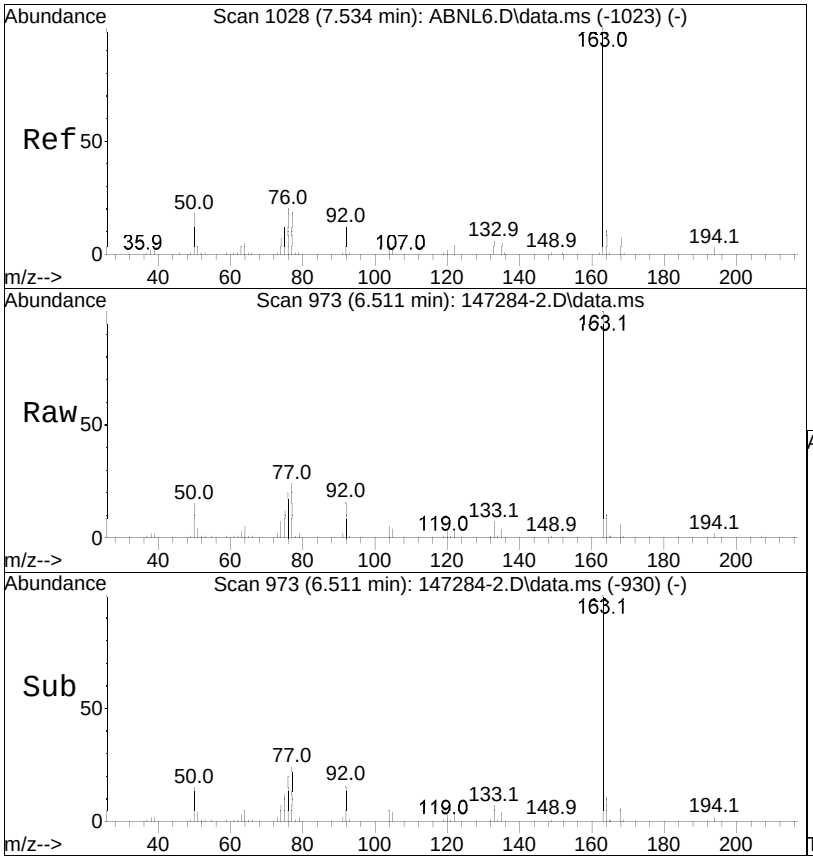


#48
2-Nitroaniline
Concen: 1.48 ug/ml
RT: 6.293 min Scan# 936
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:138 Resp: 9038

Ion	Ratio	Lower	Upper
138	100		
92	84.9	52.1	78.1#
65	129.3	75.9	113.9#

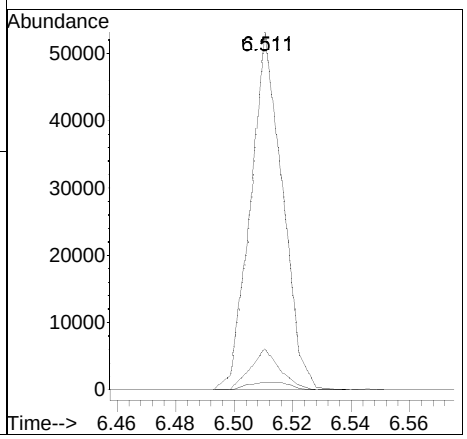


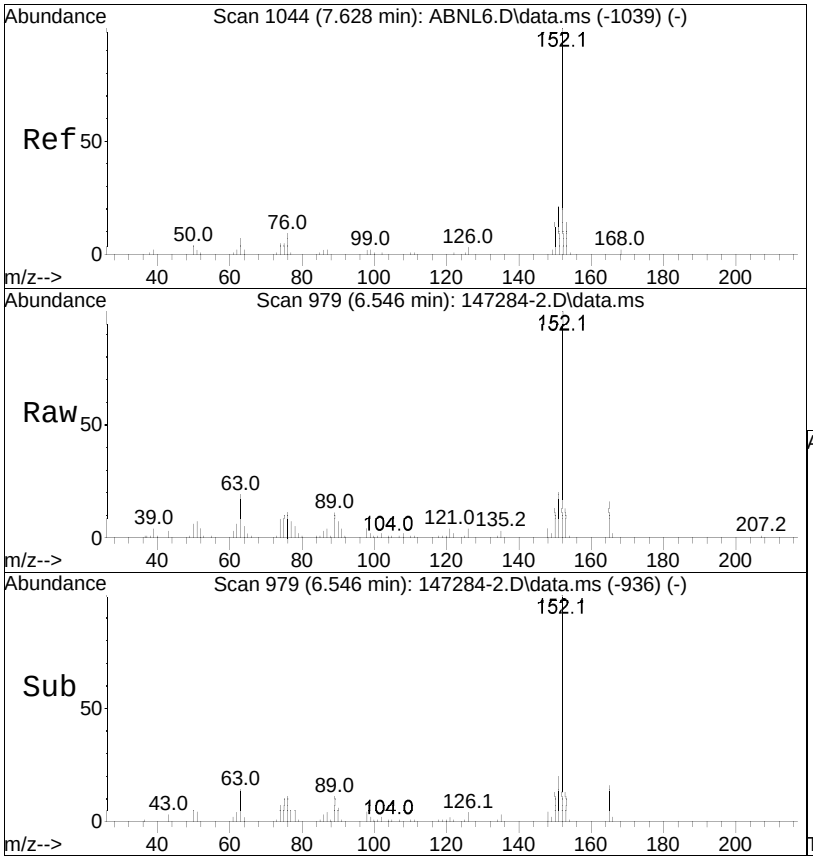


#51
Dimethyl phthalate
Concen: 1.42 ug/ml
RT: 6.511 min Scan# 973
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:163 Resp: 39917

Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.3	3.5
164	10.9	8.2	12.2

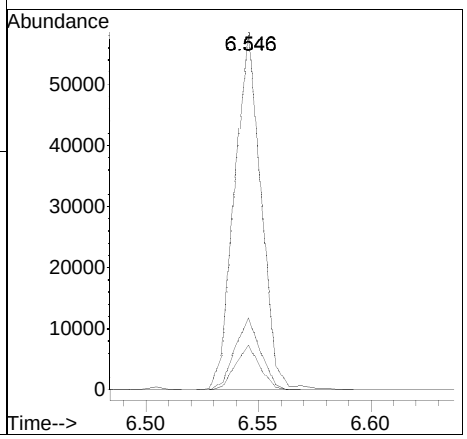


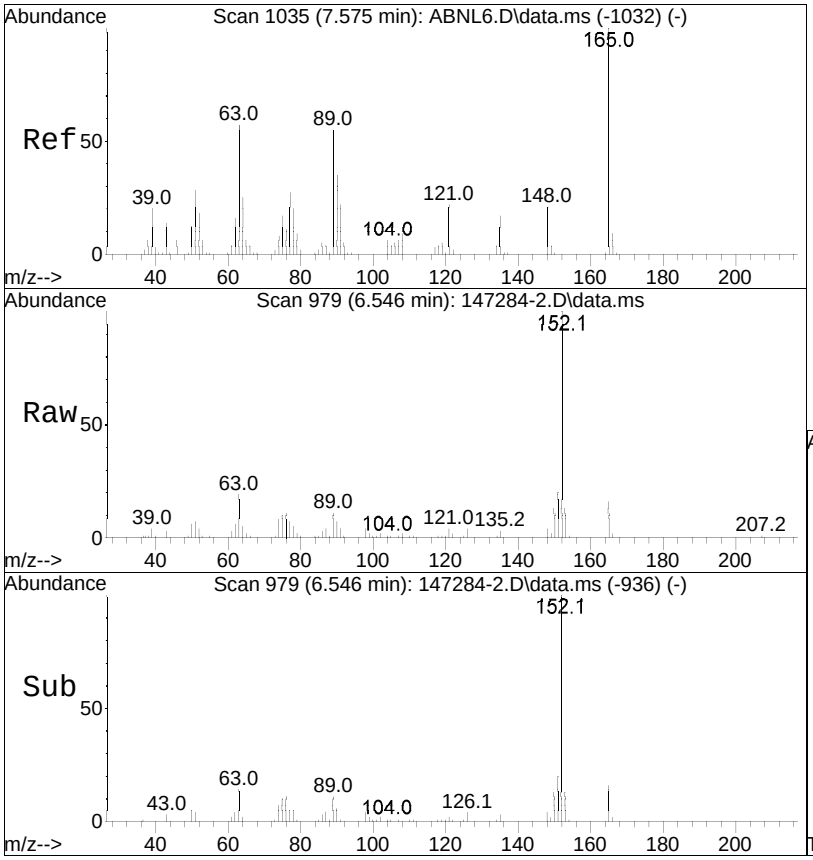


#52
Acenaphthylene
Concen: 1.32 ug/ml
RT: 6.546 min Scan# 979
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:152 Resp: 47791

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.9	23.9
153	11.7	10.5	15.7

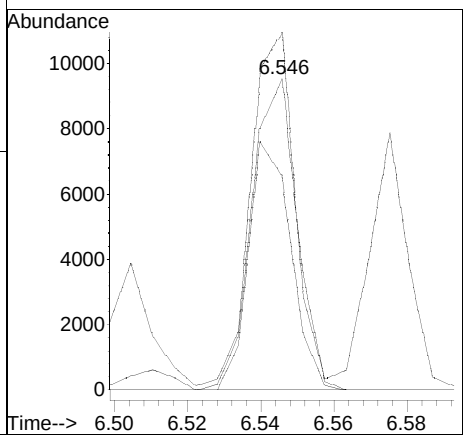


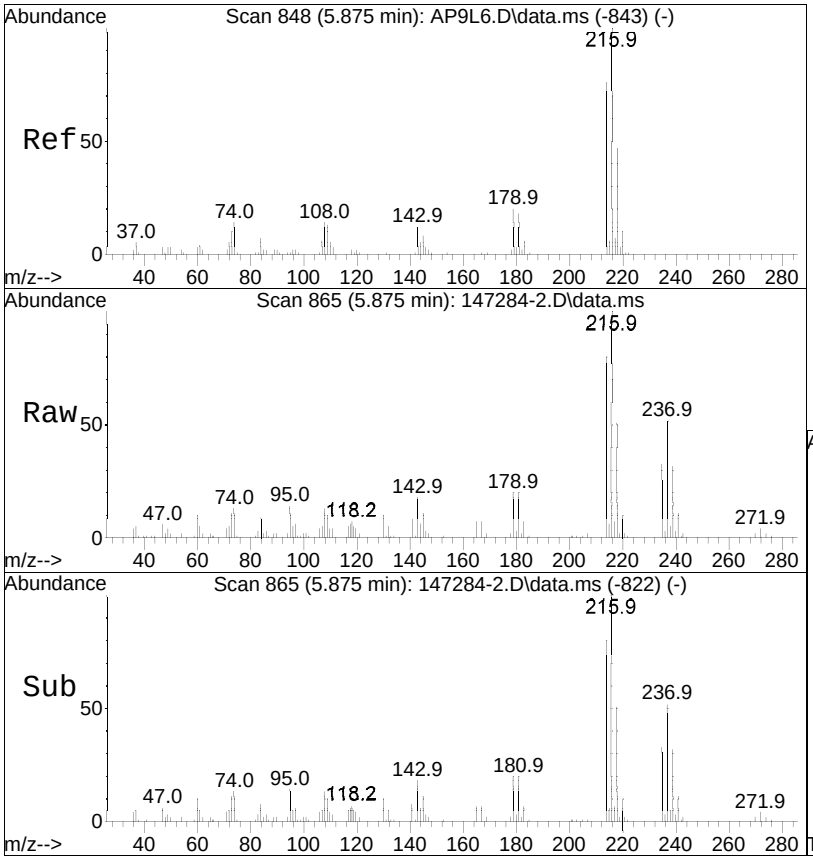


#53
2,6-Dinitrotoluene
Concen: 1.52 ug/ml
RT: 6.546 min Scan# 979
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:165 Resp: 8178

Ion	Ratio	Lower	Upper
165	100		
89	75.0	48.8	73.2#
63	112.6	50.5	75.7#

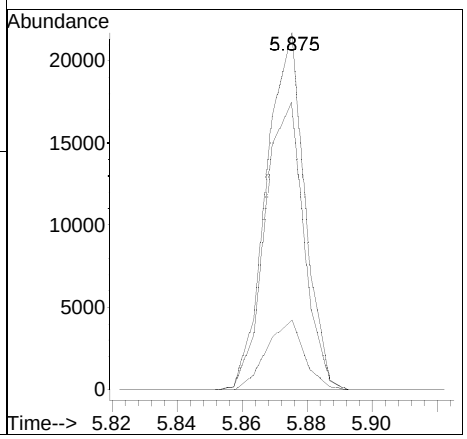


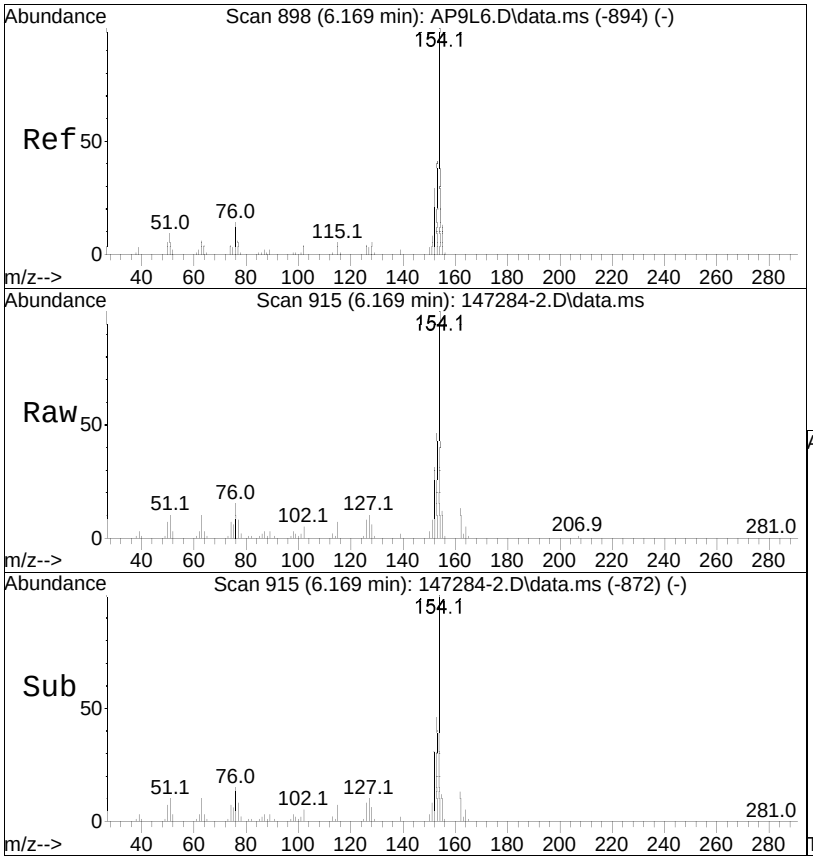


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.42 ug/ml
RT: 5.875 min Scan# 865
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:216 Resp: 17784

Ion	Ratio	Lower	Upper
216	100		
214	81.7	64.0	96.0
179	19.2	18.7	28.1

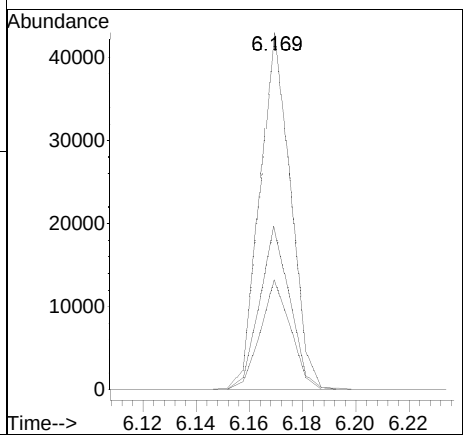


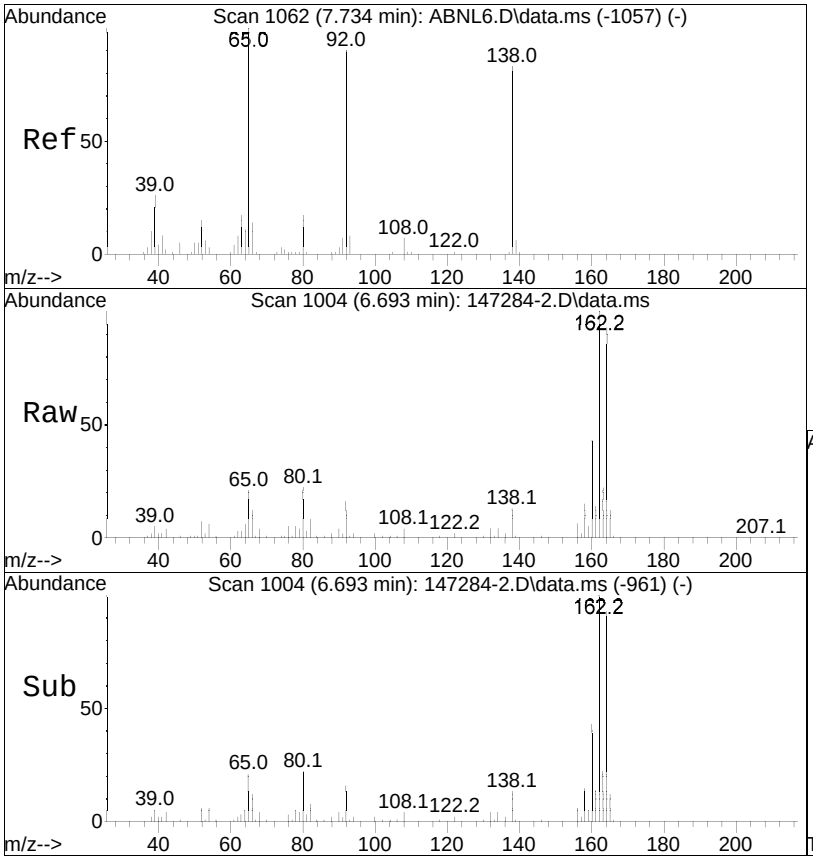


#62
Biphenyl
Concen: 1.25 ug/ml
RT: 6.169 min Scan# 915
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:154 Resp: 34400

Ion	Ratio	Lower	Upper
154	100		
153	45.0	32.5	48.7
152	30.3	22.6	34.0

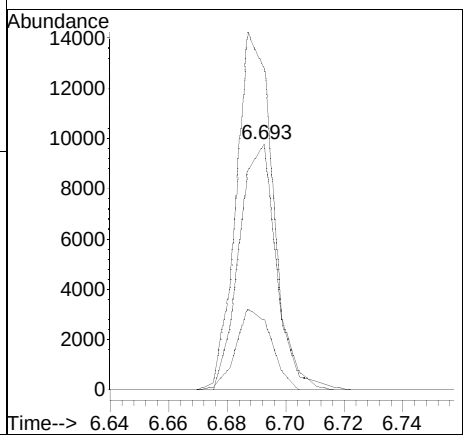


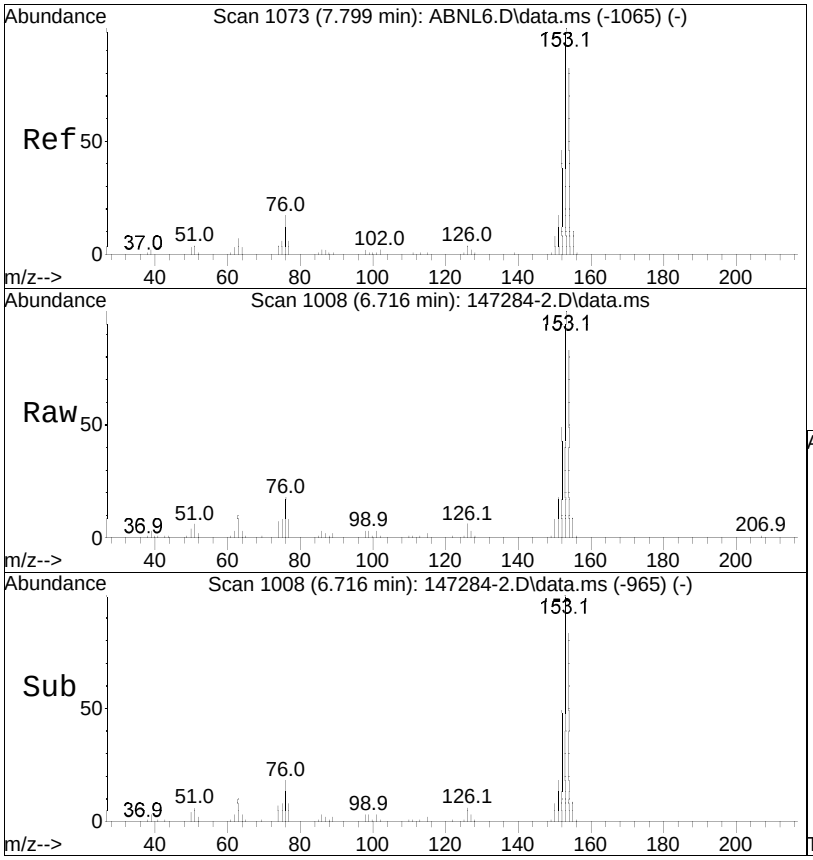


#64
3-Nitroaniline
Concen: 1.51 ug/ml
RT: 6.693 min Scan# 1004
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:138 Resp: 8629

Ion	Ratio	Lower	Upper
138	100		
92	142.9	92.8	139.2#
108	31.6	7.9	11.9#

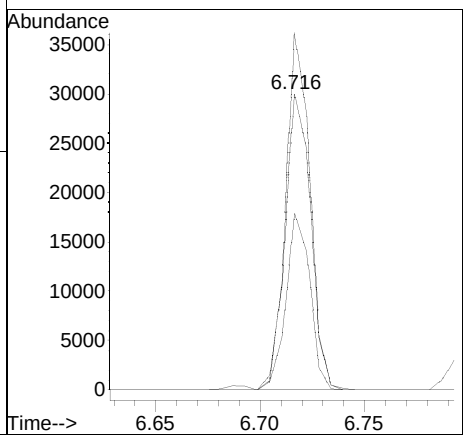


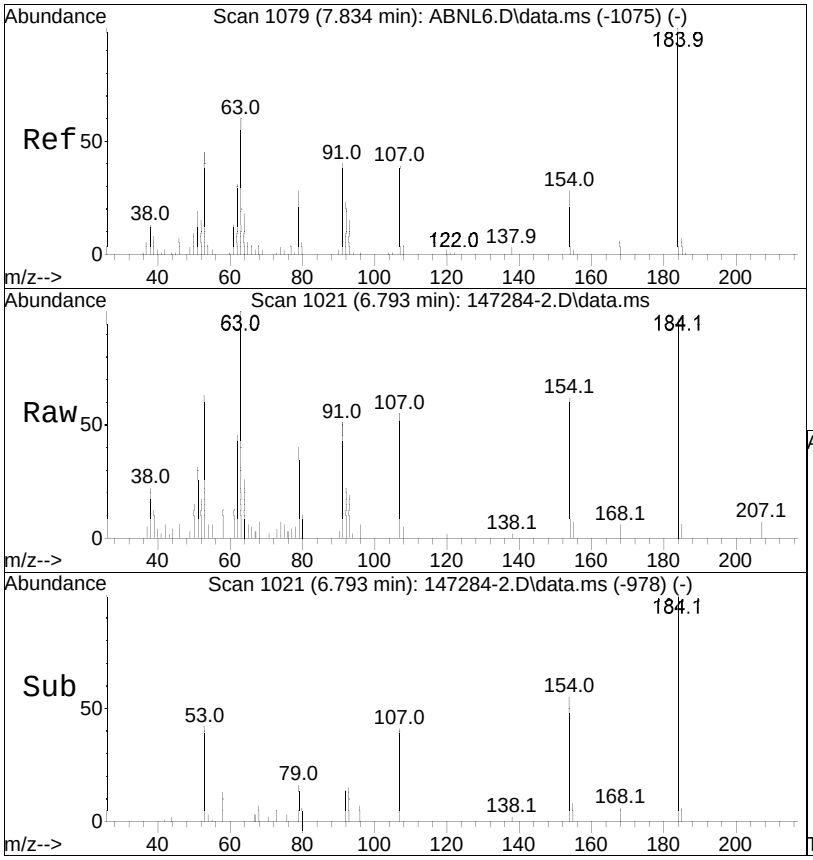


#65
Acenaphthene
Concen: 1.29 ug/ml
RT: 6.716 min Scan# 1008
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:154 Resp: 25904

Ion	Ratio	Lower	Upper
154	100		
153	111.8	93.0	139.4
152	55.0	43.3	64.9

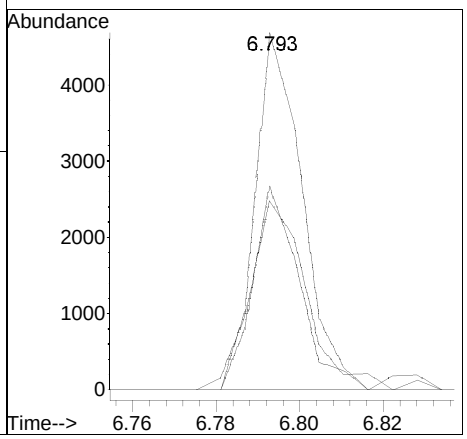


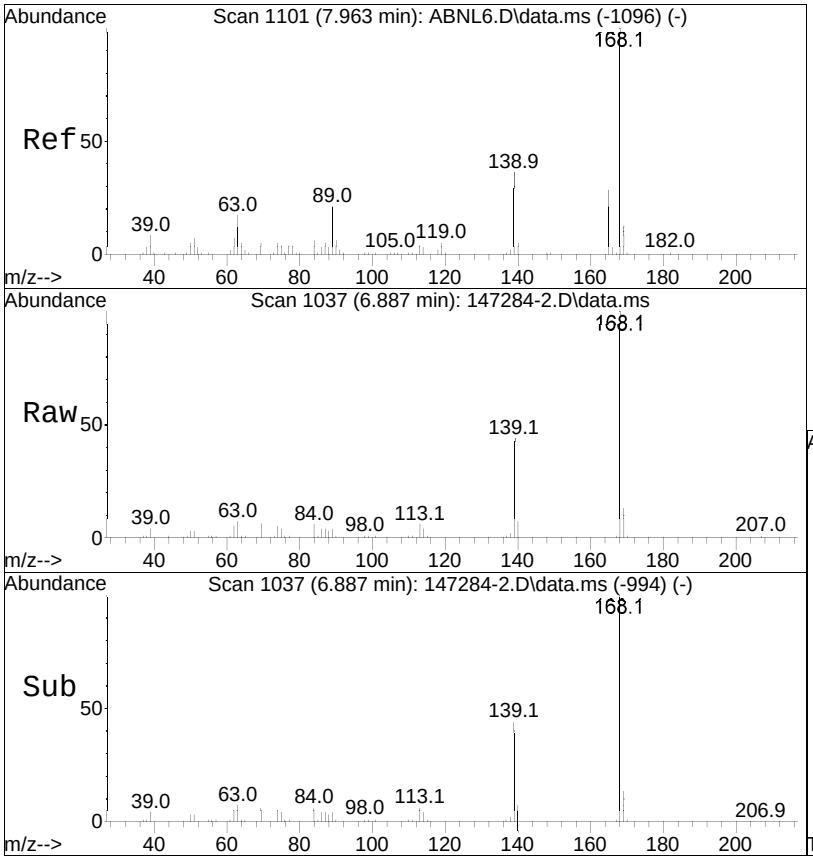


#66
2,4-Dinitrophenol
Concen: 1.73 ug/ml
RT: 6.793 min Scan# 1021
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:184 Resp: 3662

Ion	Ratio	Lower	Upper
184	100		
107	56.1	41.8	62.6
91	64.4	44.2	66.2

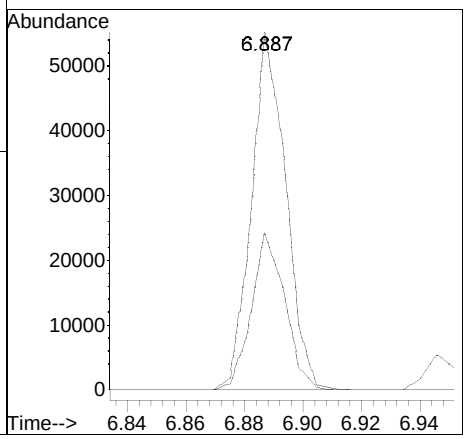


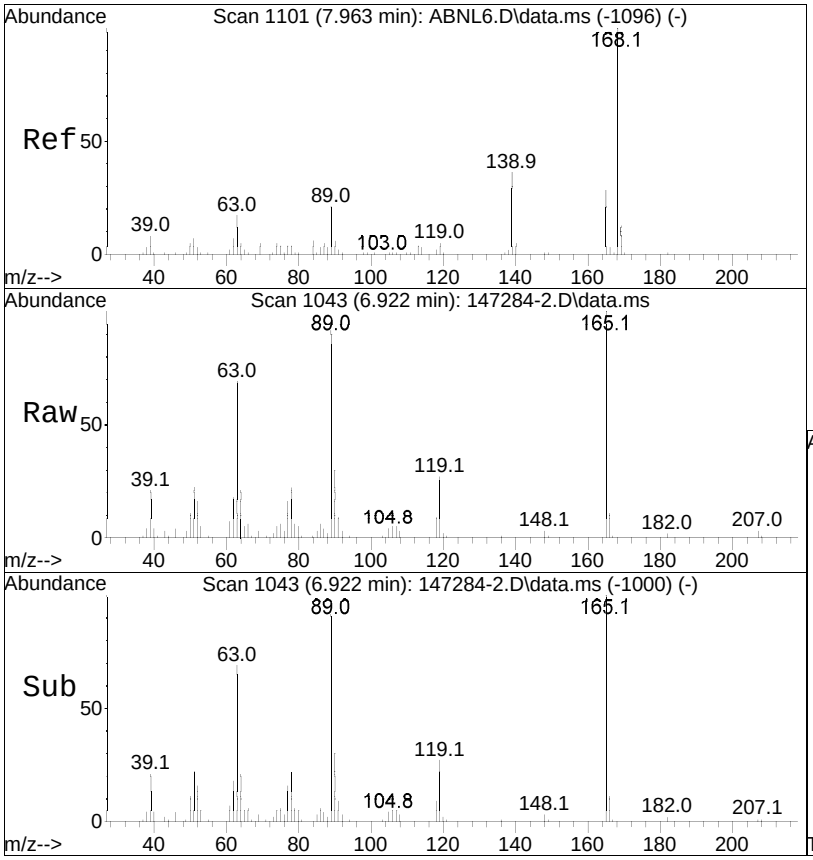


#67
Dibenzofuran
Concen: 1.32 ug/ml
RT: 6.887 min Scan# 1037
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:168 Resp: 44396

Ion	Ratio	Lower	Upper
168	100		
139	42.9	32.3	48.5

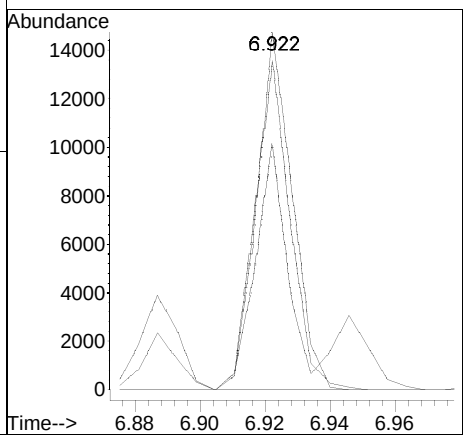


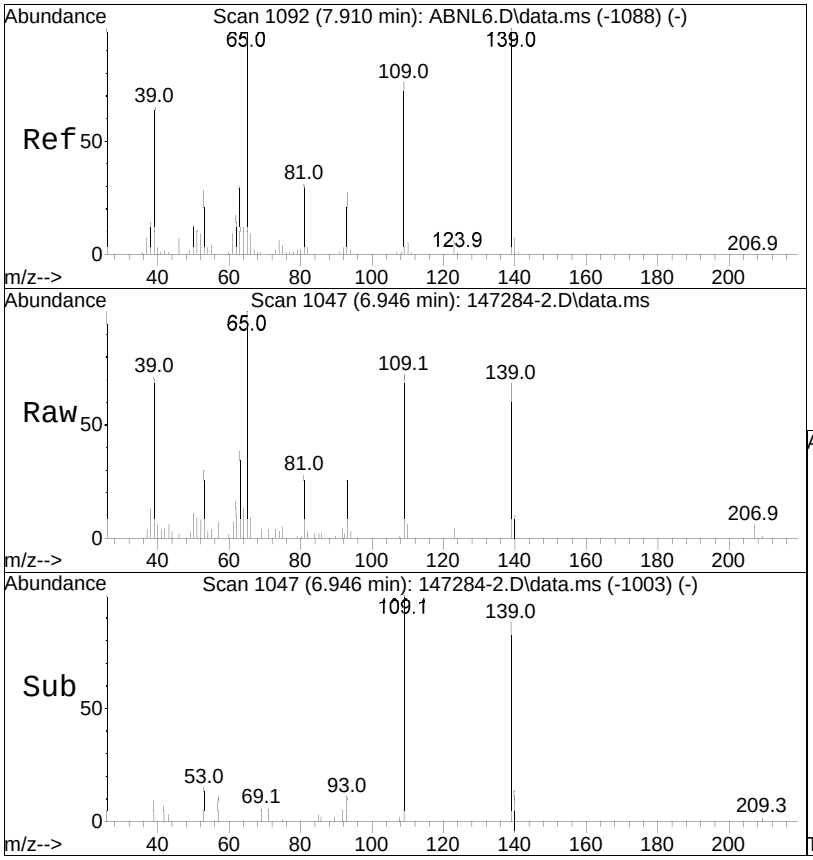


#68
2,4-Dinitrotoluene
Concen: 1.54 ug/ml
RT: 6.922 min Scan# 1043
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:165 Resp: 11183

Ion	Ratio	Lower	Upper
165	100		
89	91.2	73.0	109.4
63	62.2	56.3	84.5

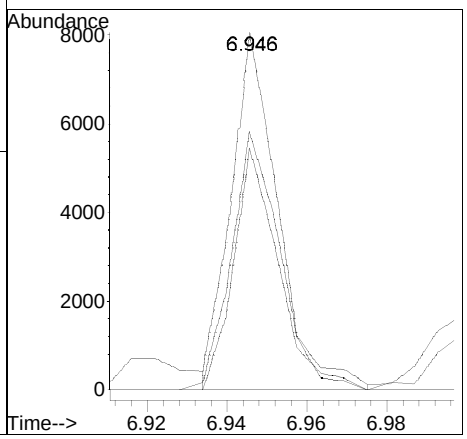


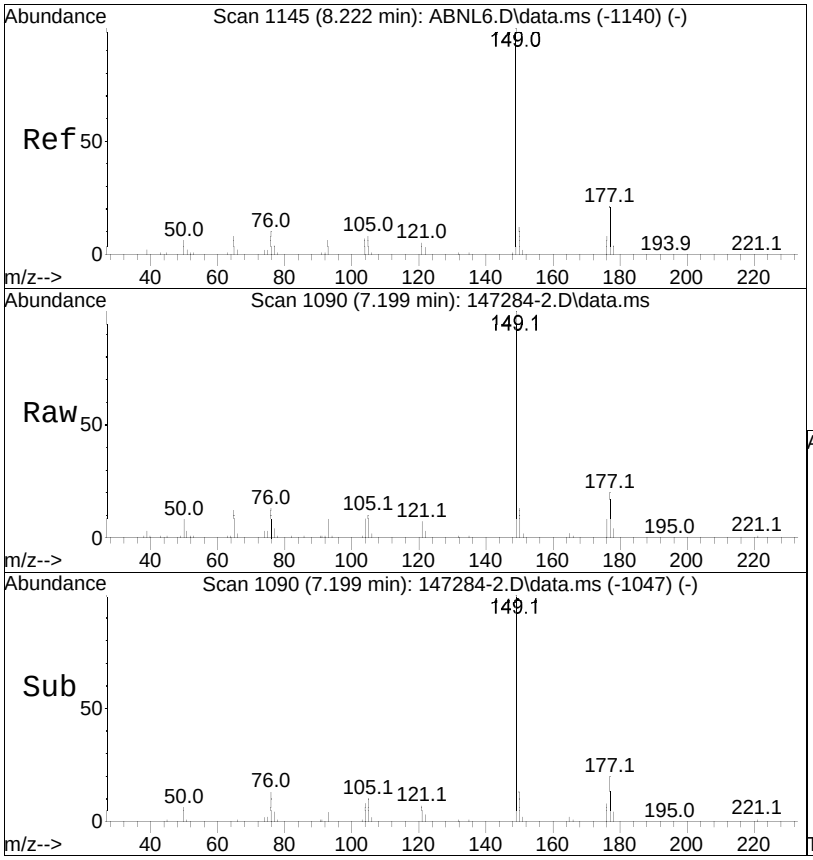


#69
4-Nitrophenol
Concen: 1.39 ug/ml M6
RT: 6.946 min Scan# 1047
Delta R.T. 0.006 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion: 65 Resp: 6546

Ion	Ratio	Lower	Upper
65	100		
109	74.4	60.2	90.2
139	65.0	81.1	121.7#

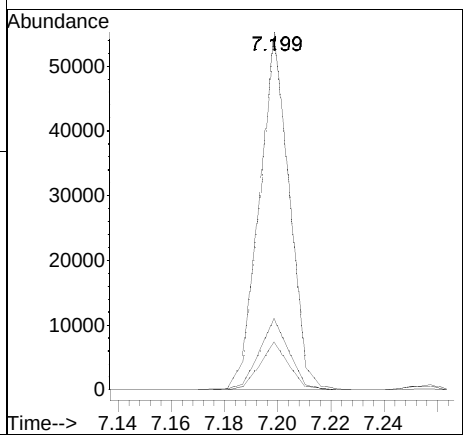


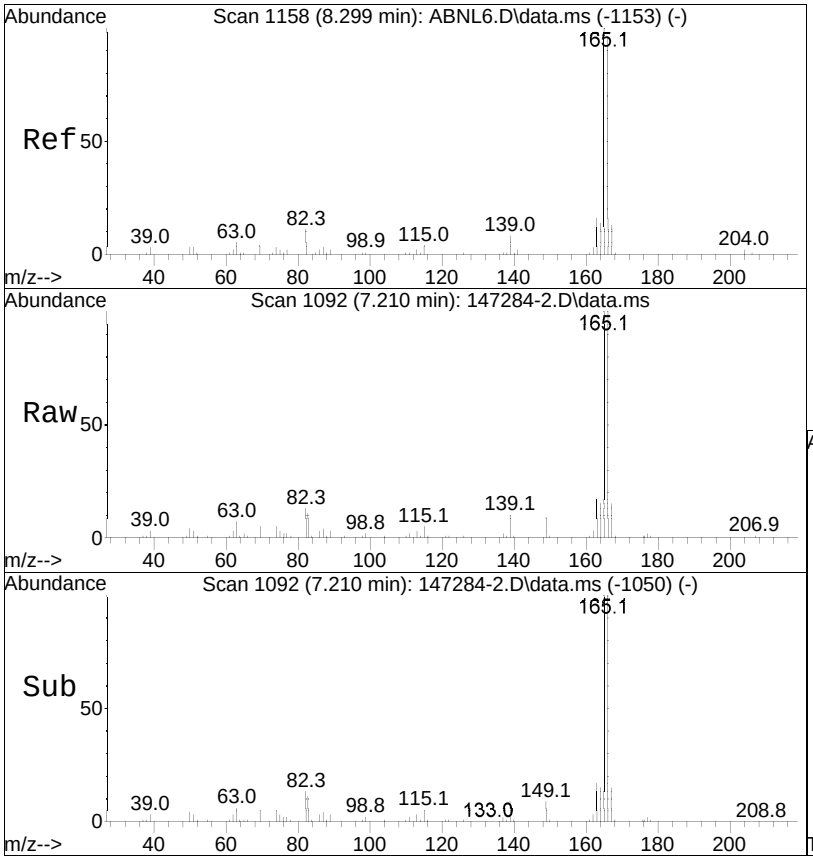


#72
Diethyl phthalate
Concen: 1.49 ug/ml
RT: 7.199 min Scan# 1090
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:149 Resp: 42488

Ion	Ratio	Lower	Upper
149	100		
177	20.2	15.0	22.6
150	13.1	9.8	14.6

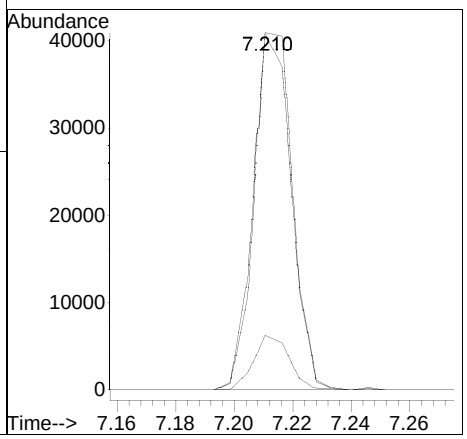


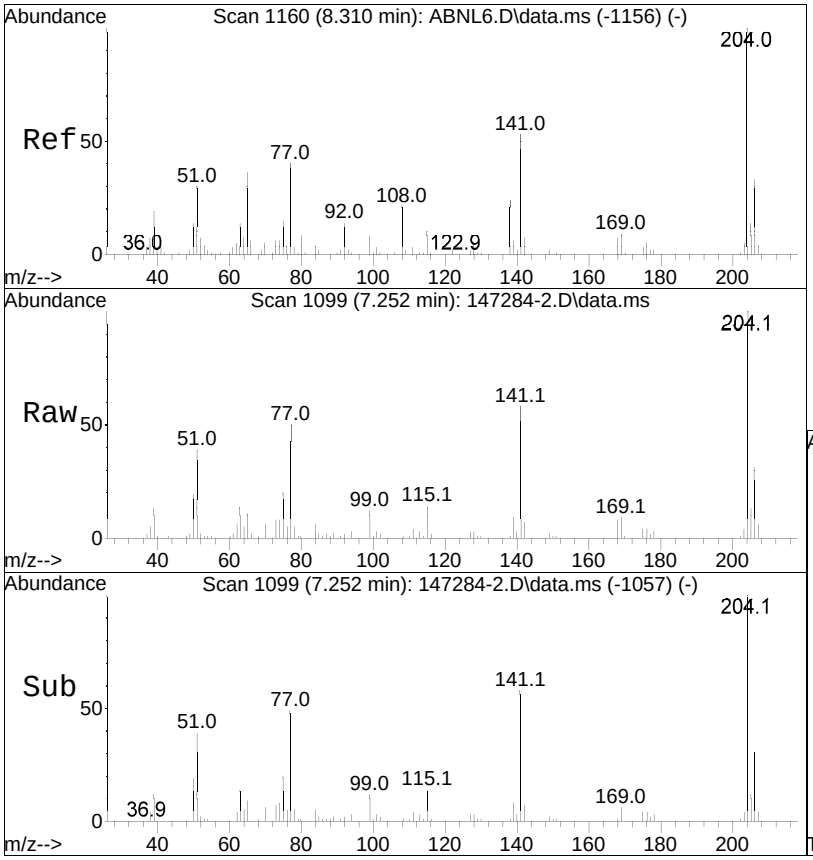


#73
Fluorene
Concen: 1.32 ug/ml
RT: 7.210 min Scan# 1092
Delta R.T. -0.006 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:166 Resp: 35906

Ion	Ratio	Lower	Upper
166	100		
165	106.6	80.0	120.0
167	14.9	10.7	16.1

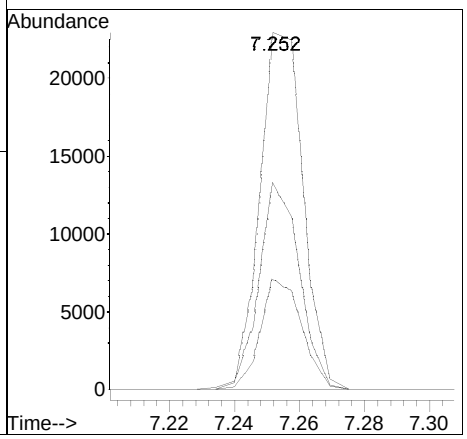


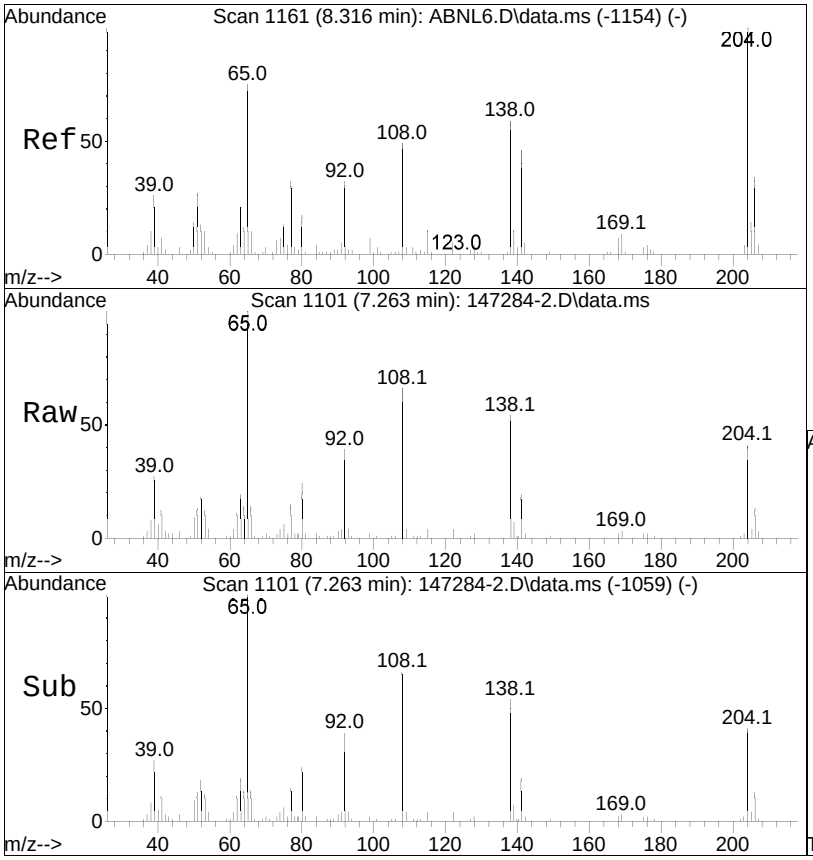


#74
4-Chlorophenyl phenyl ether
Concen: 1.48 ug/ml
RT: 7.252 min Scan# 1099
Delta R.T. -0.006 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:204 Resp: 21180

Ion	Ratio	Lower	Upper
204	100		
206	29.7	26.3	39.5
141	54.2	58.4	87.6#

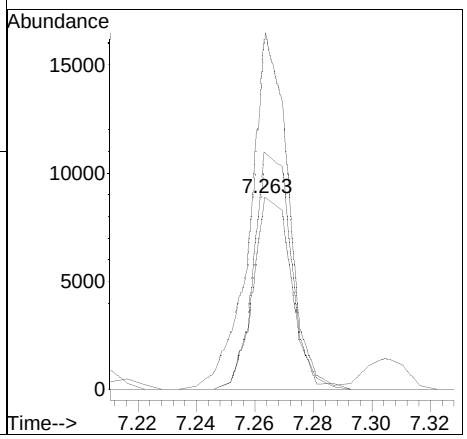


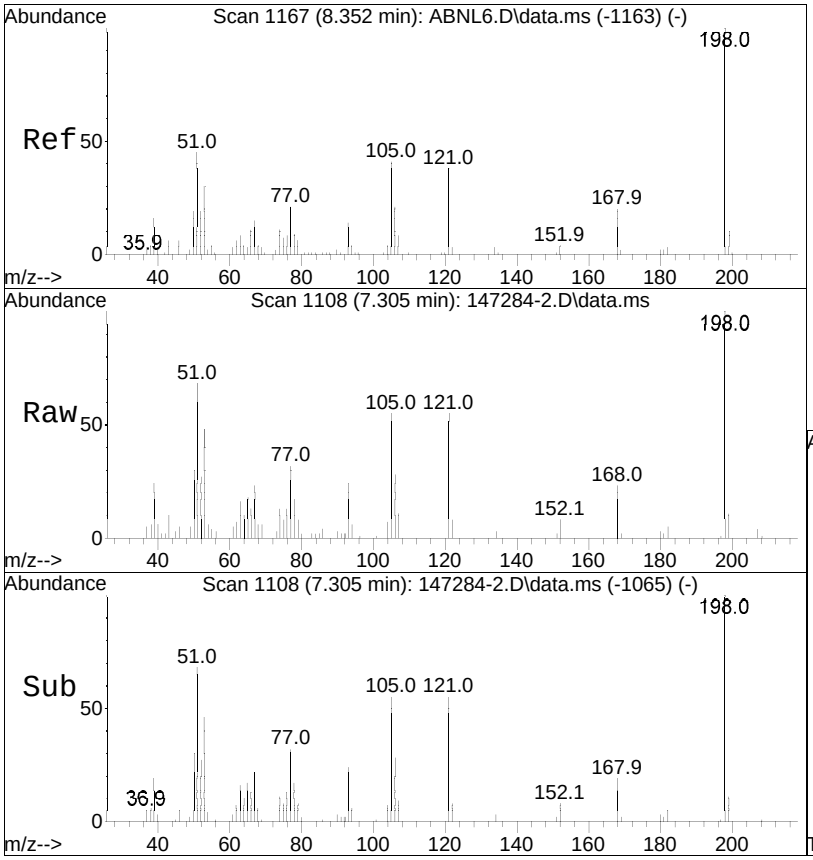


#75
4-Nitroaniline
Concen: 1.43 ug/ml
RT: 7.263 min Scan# 1101
Delta R.T. -0.006 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:138 Resp: 8134

Ion	Ratio	Lower	Upper
138	100		
108	118.9	59.2	88.8#
65	184.1	97.6	146.4#

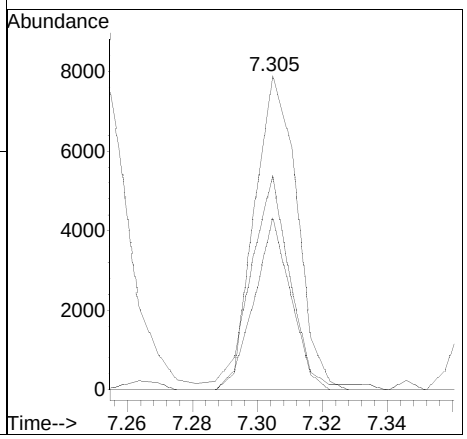


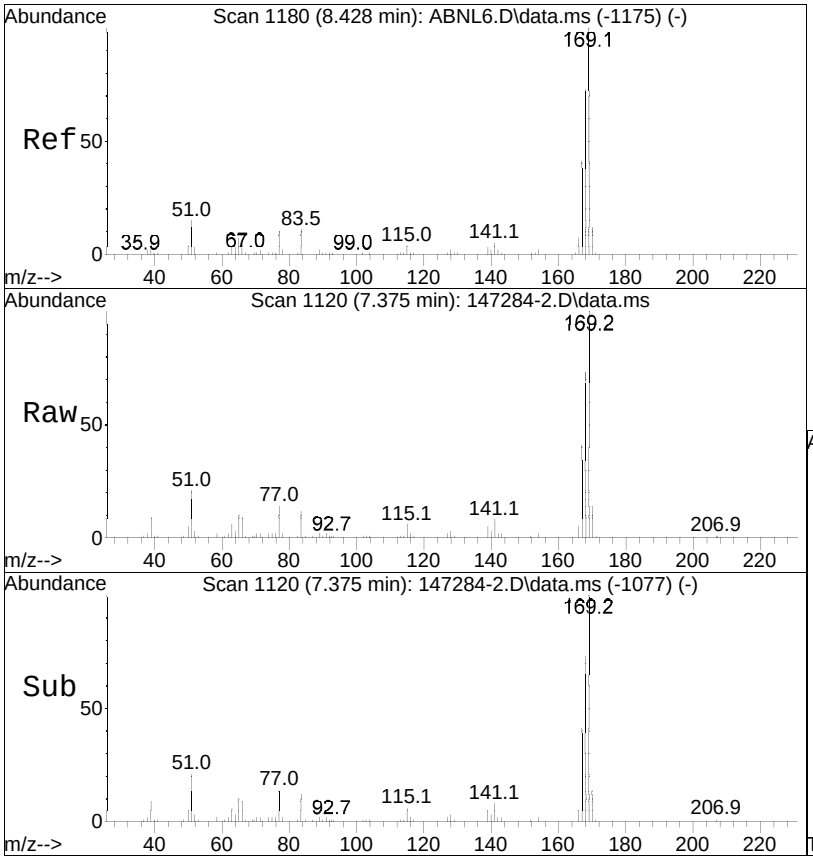


#76
4,6-Dinitro-o-cresol
Concen: 1.85 ug/ml
RT: 7.305 min Scan# 1108
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:198 Resp: 7166

Ion	Ratio	Lower	Upper
198	100		
51	64.3	49.9	74.9
105	47.4	45.8	68.6

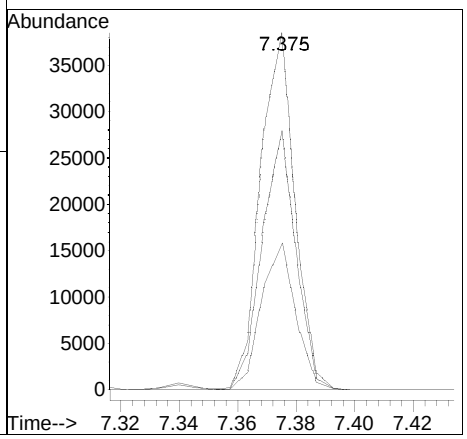


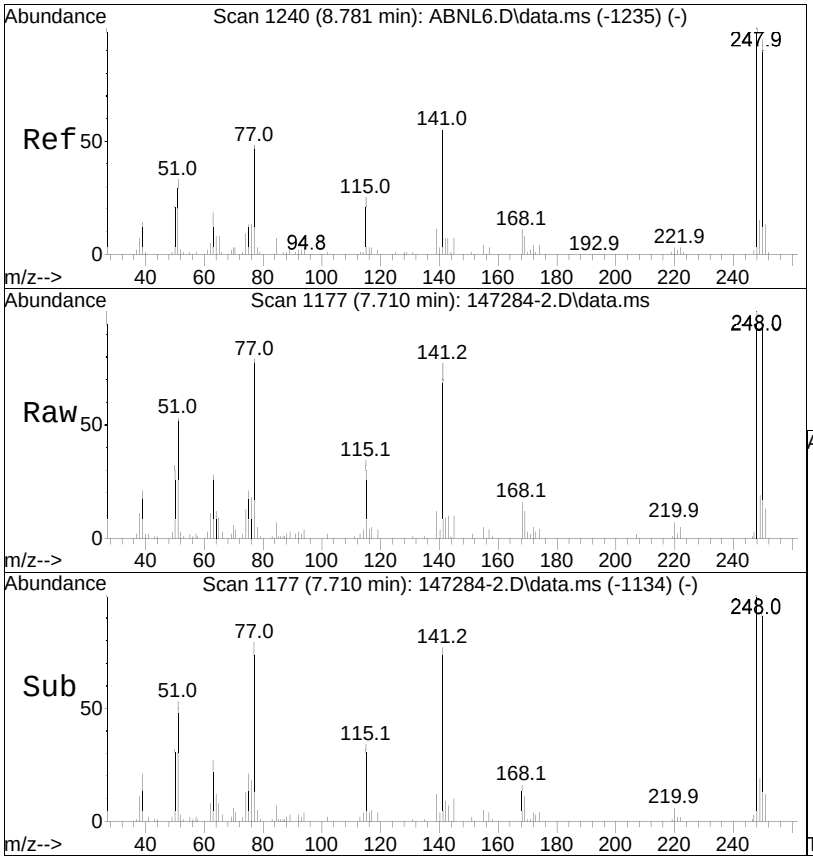


#77
NDPA/DPA
Concen: 1.38 ug/ml
RT: 7.375 min Scan# 1120
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:169 Resp: 31458

Ion	Ratio	Lower	Upper
169	100		
168	71.2	55.2	82.8
167	41.1	30.4	45.6

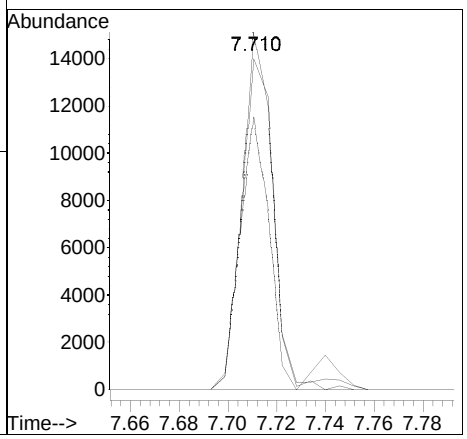


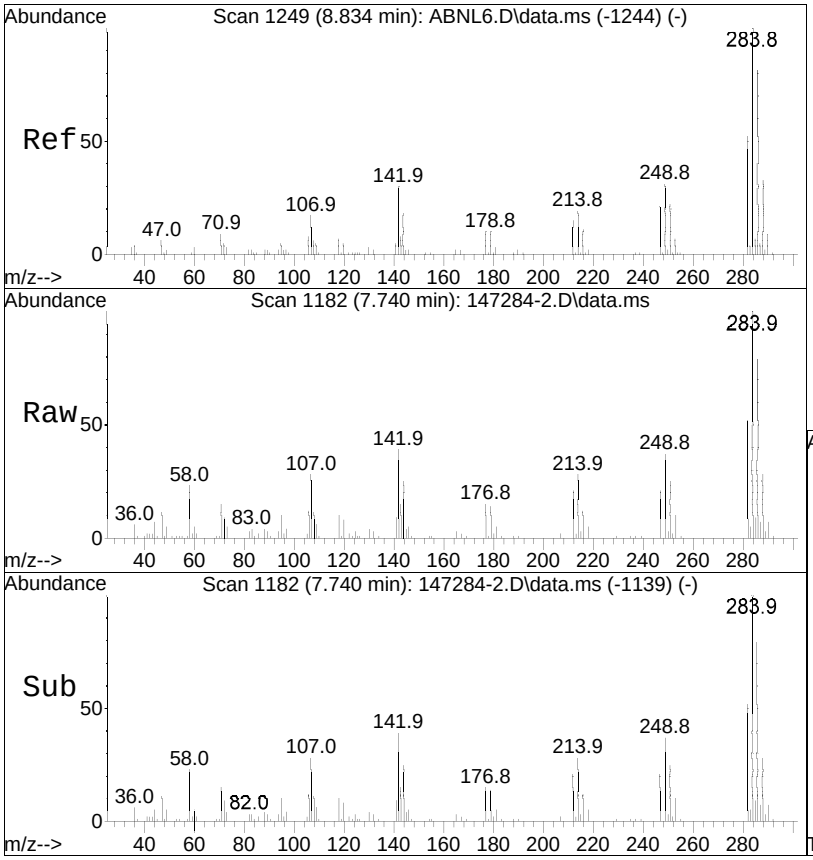


#80
4-Bromophenyl phenyl ether
Concen: 1.38 ug/ml
RT: 7.710 min Scan# 1177
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:248 Resp: 12907

Ion	Ratio	Lower	Upper
248	100		
141	73.9	74.6	111.8#
250	97.7	76.9	115.3

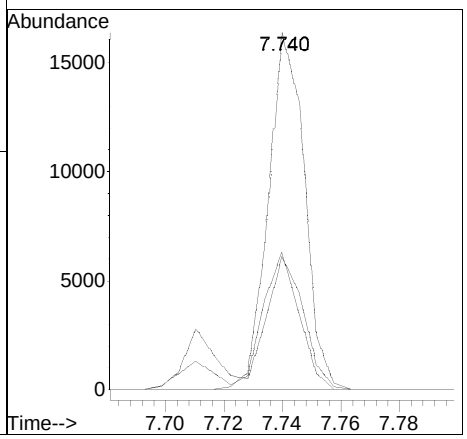


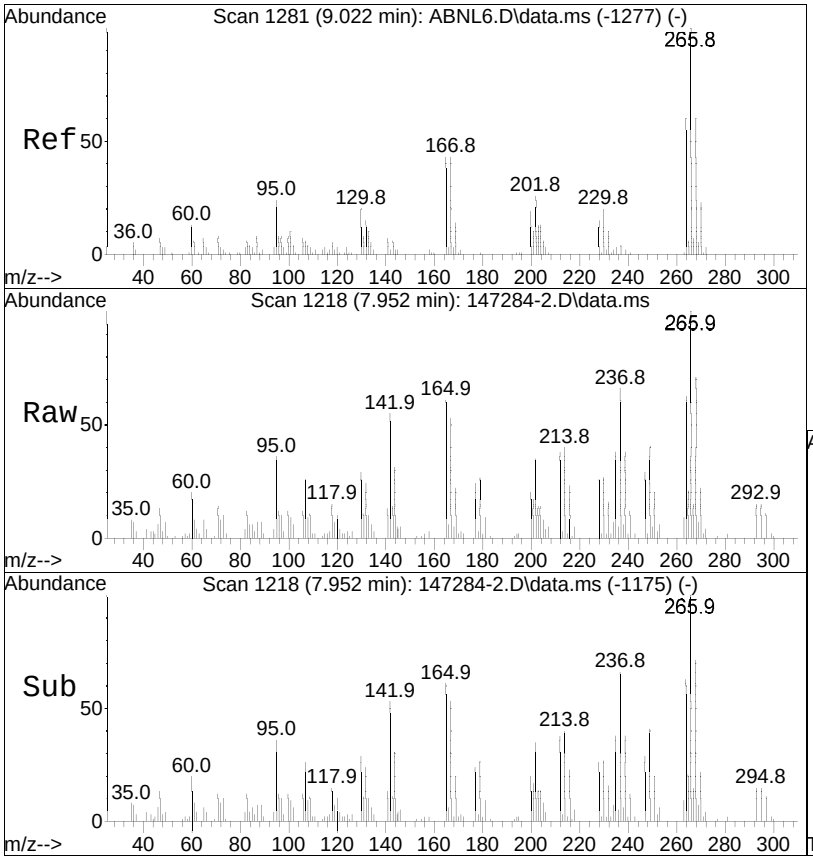


#81
Hexachlorobenzene
Concen: 1.26 ug/ml
RT: 7.740 min Scan# 1182
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:284 Resp: 13985

Ion	Ratio	Lower	Upper
284	100		
142	38.5	37.6	56.4
249	37.6	25.4	38.2

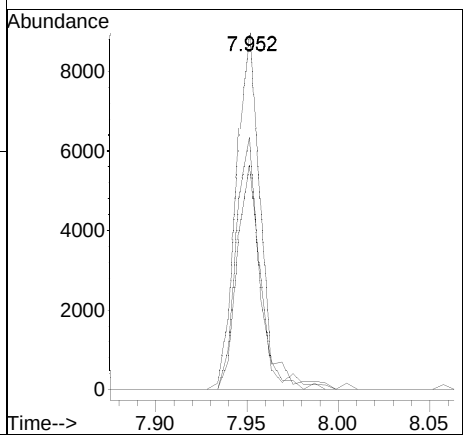


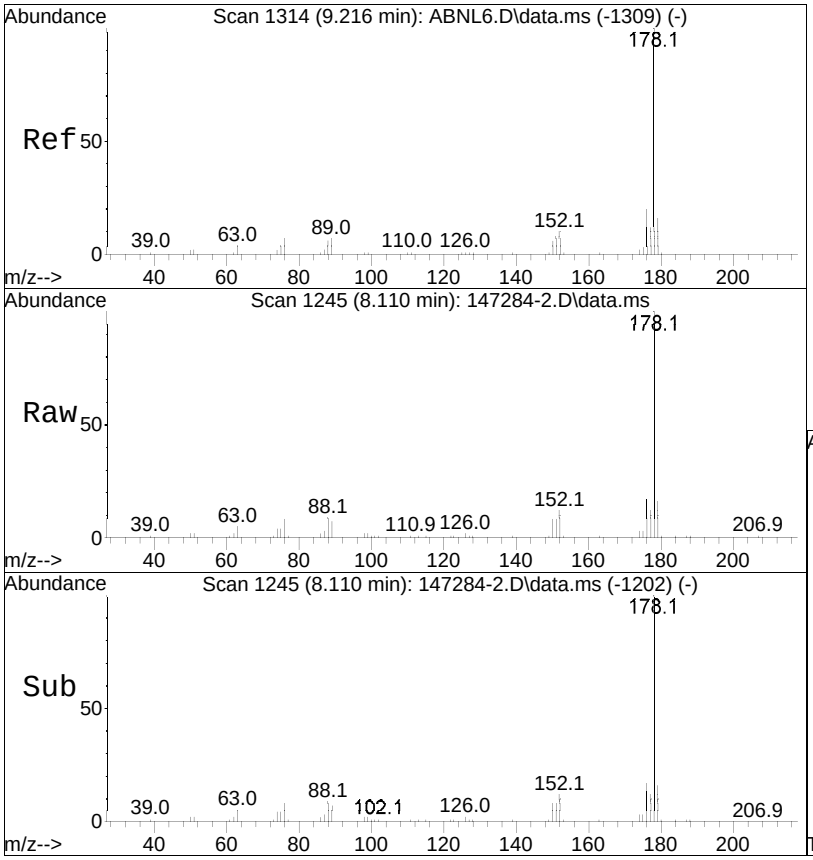


#82
Pentachlorophenol
Concen: 1.75 ug/ml
RT: 7.952 min Scan# 1218
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:266 Resp: 8486

Ion	Ratio	Lower	Upper
266	100		
264	60.3	50.7	76.1
268	65.5	52.5	78.7

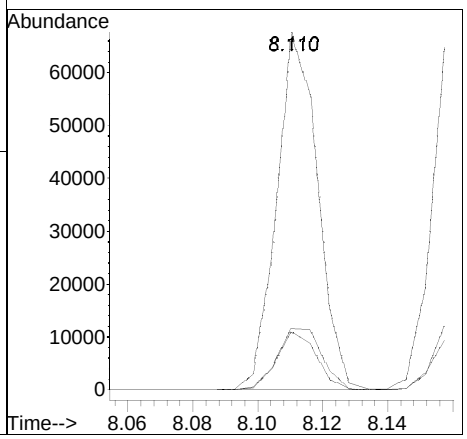


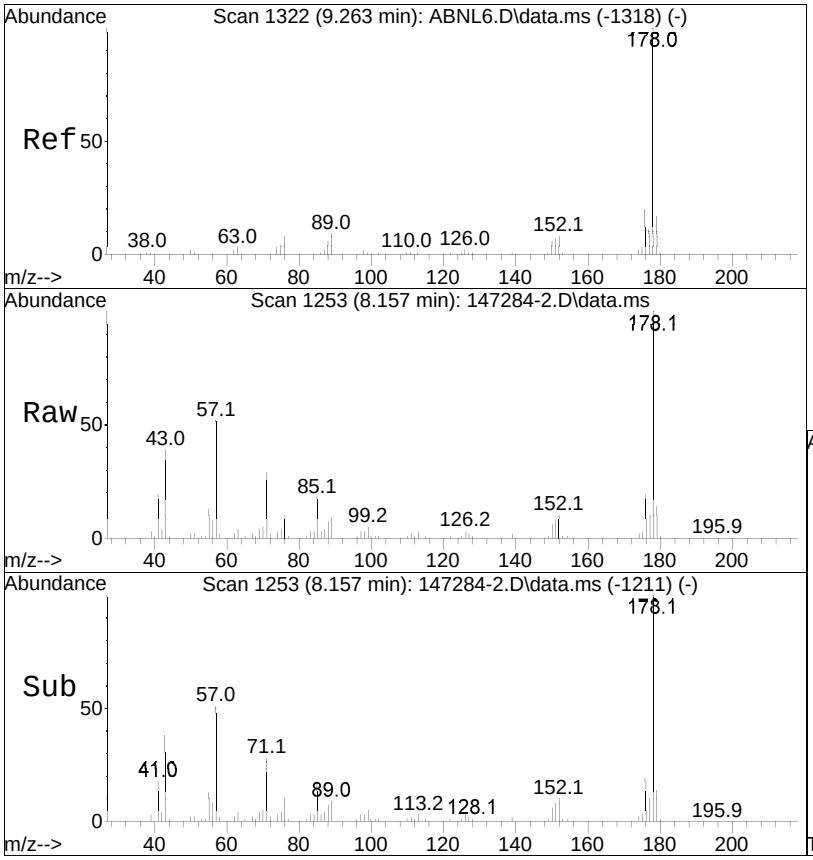


#89
Phenanthrene
Concen: 1.27 ug/ml
RT: 8.110 min Scan# 1245
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:178 Resp: 59388

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.3	18.5
176	19.0	15.4	23.2

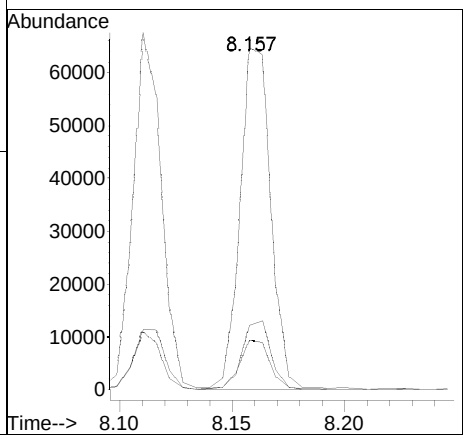


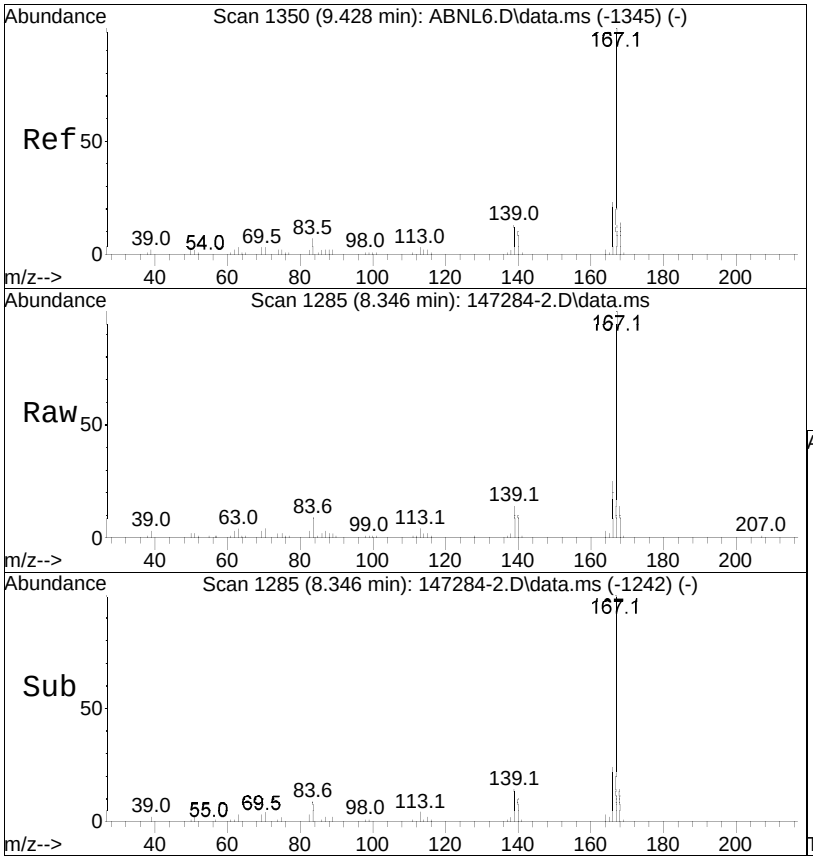


#90
Anthracene
Concen: 1.33 ug/ml
RT: 8.157 min Scan# 1253
Delta R.T. -0.006 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:178 Resp: 61558

Ion	Ratio	Lower	Upper
178	100		
179	14.3	12.2	18.2
176	19.0	15.1	22.7

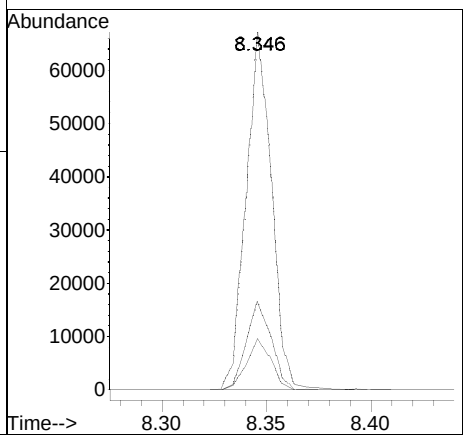


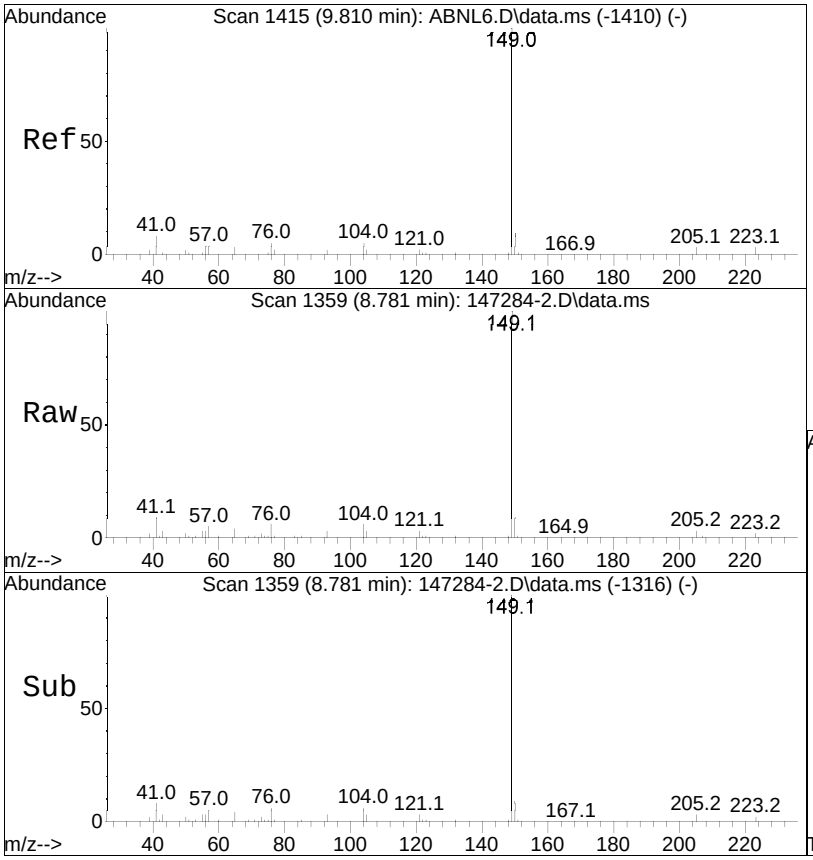


#91
Carbazole
Concen: 1.34 ug/ml
RT: 8.346 min Scan# 1285
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:167 Resp: 56475

Ion	Ratio	Lower	Upper
167	100		
168	13.8	10.8	16.2
166	24.4	17.7	26.5

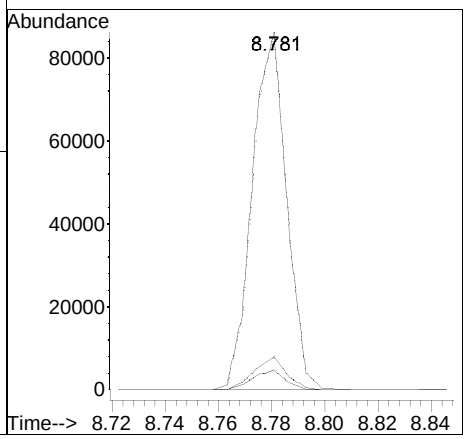


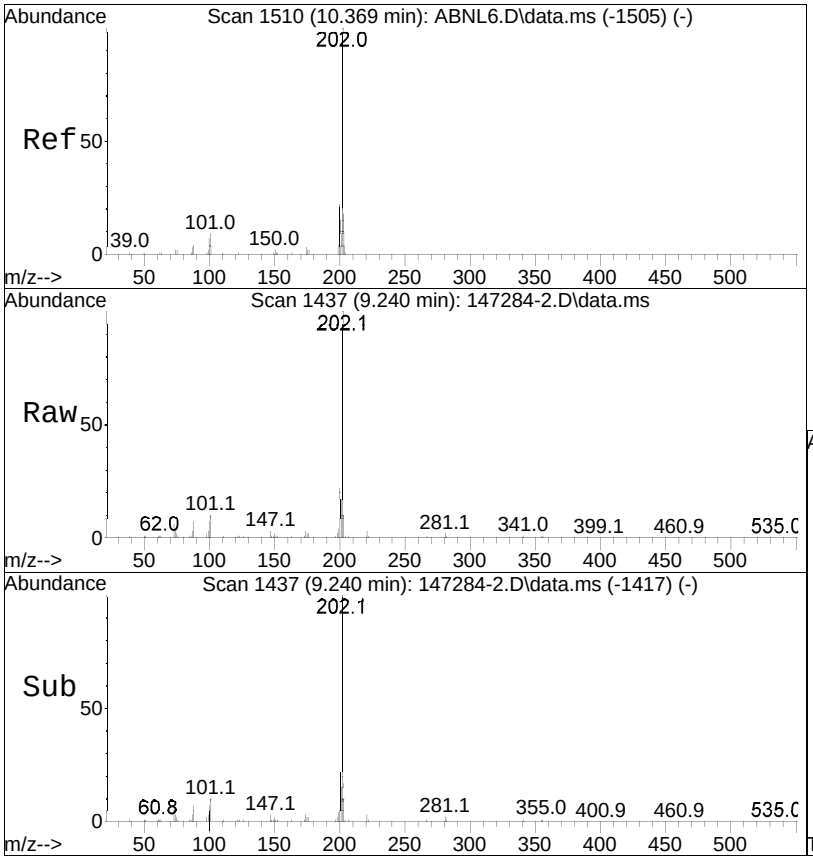


#92
Di-n-butylphthalate
Concen: 1.54 ug/ml
RT: 8.781 min Scan# 1359
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:149 Resp: 75966

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.3	10.9
104	5.4	4.0	6.0

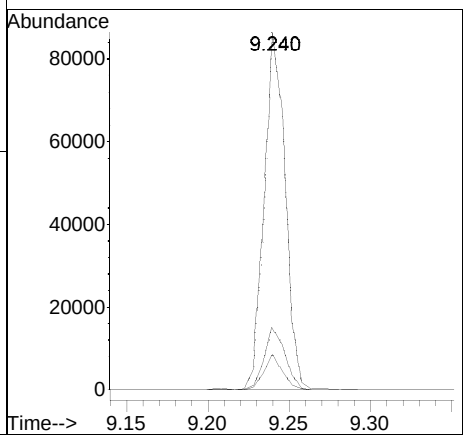


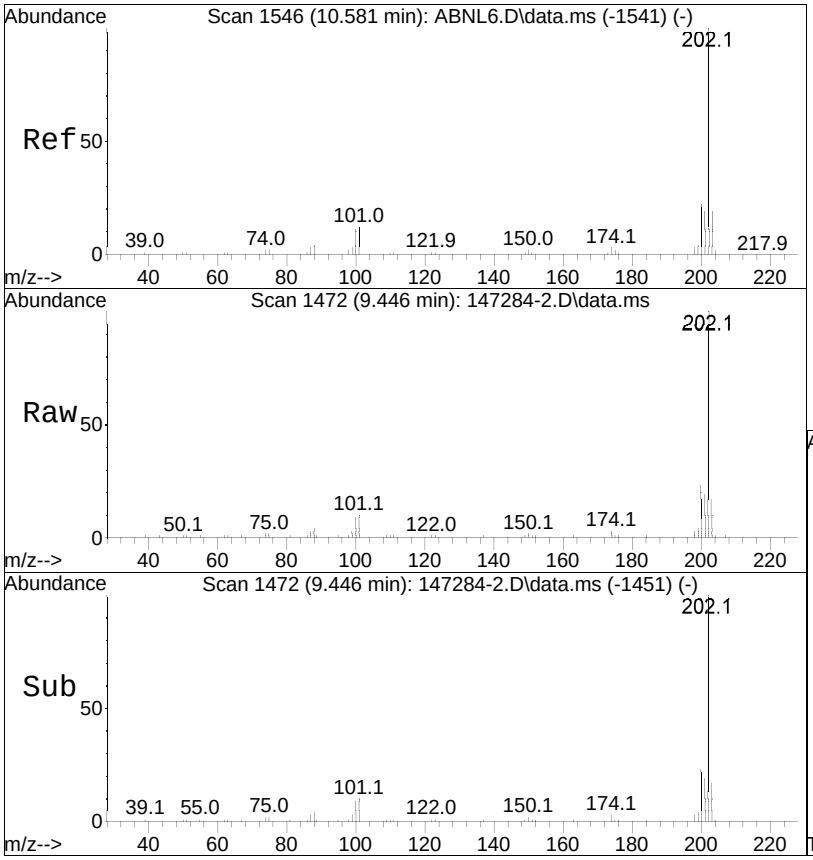


#93
Fluoranthene
Concen: 1.35 ug/ml
RT: 9.240 min Scan# 1437
Delta R.T. -0.006 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:202 Resp: 76468

Ion	Ratio	Lower	Upper
202	100		
101	8.9	11.2	16.8#
203	17.5	13.7	20.5

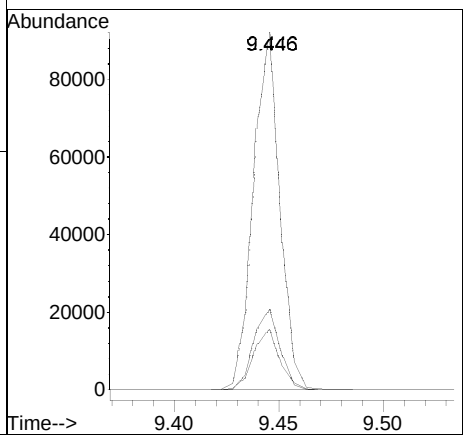


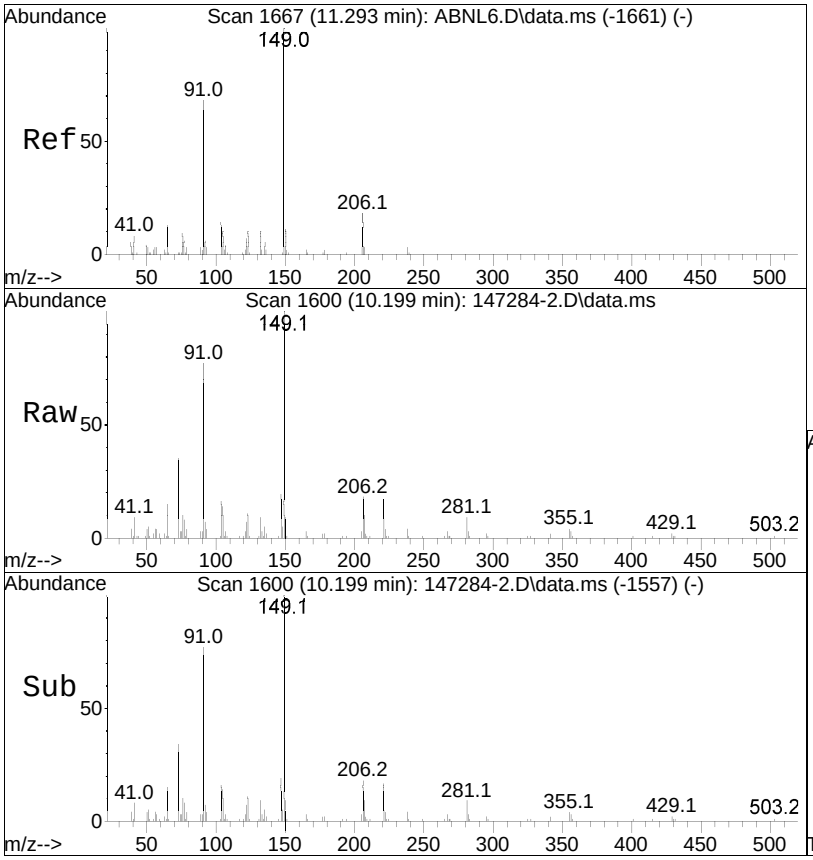


#95
Pyrene
Concen: 1.38 ug/ml
RT: 9.446 min Scan# 1472
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:202 Resp: 80006

Ion	Ratio	Lower	Upper
202	100		
200	22.6	16.9	25.3
203	17.1	14.3	21.5

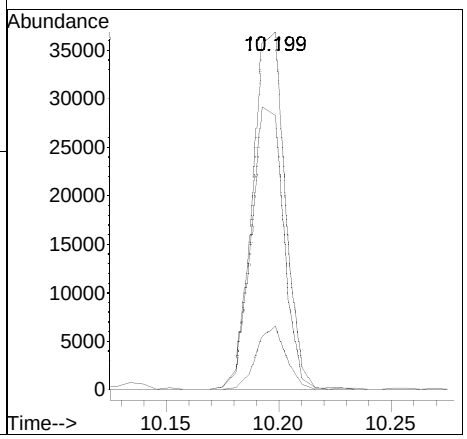


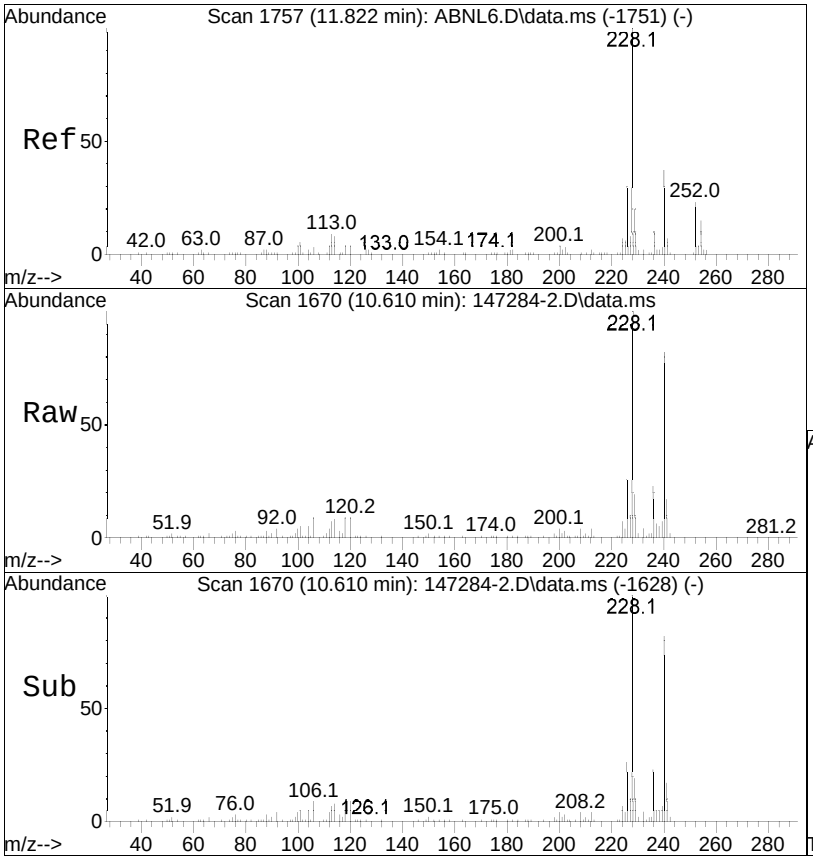


#97
Butyl benzyl phthalate
Concen: 1.64 ug/ml
RT: 10.199 min Scan# 1600
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:149 Resp: 36858

Ion	Ratio	Lower	Upper
149	100		
91	78.3	57.9	86.9
206	16.2	11.9	17.9

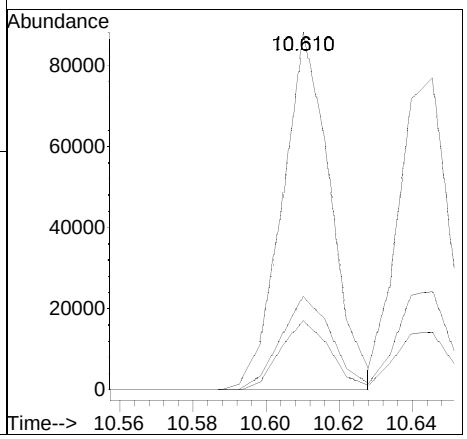


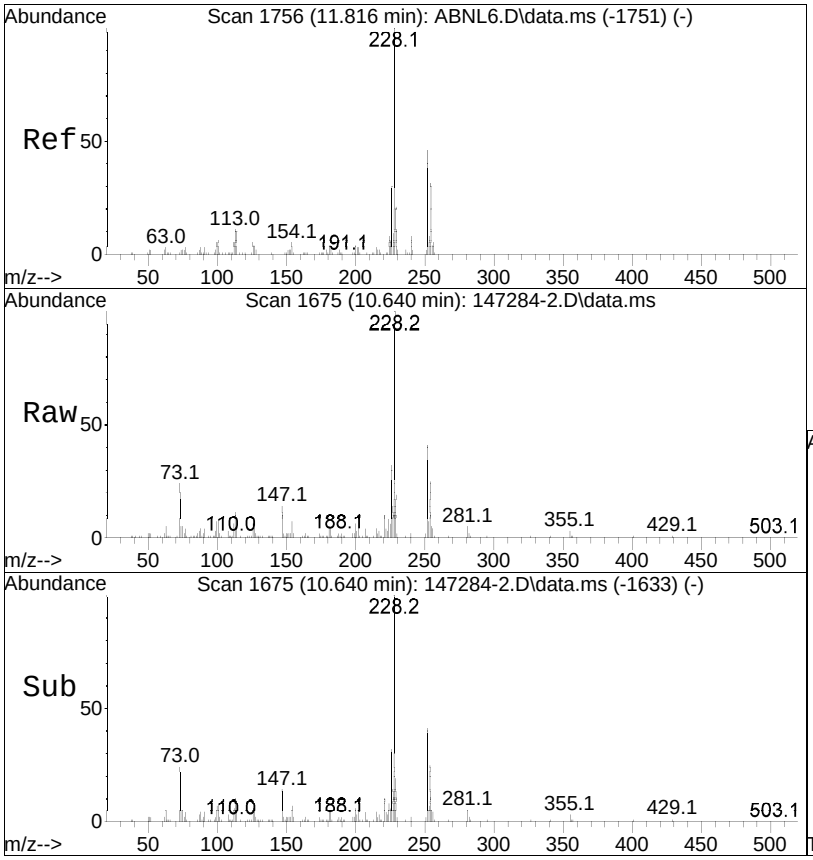


#105
Benzo(a)anthracene
Concen: 1.43 ug/ml
RT: 10.610 min Scan# 1670
Delta R.T. -0.006 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:228 Resp: 81178

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	34.0
229	20.1	15.8	23.6

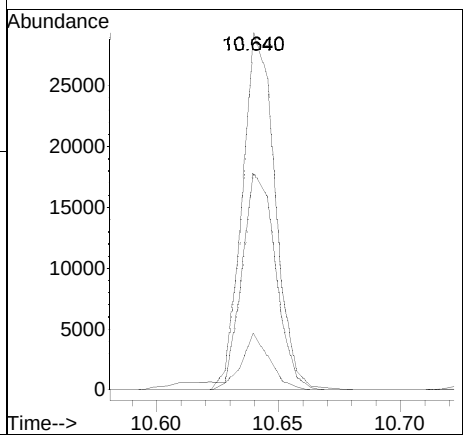


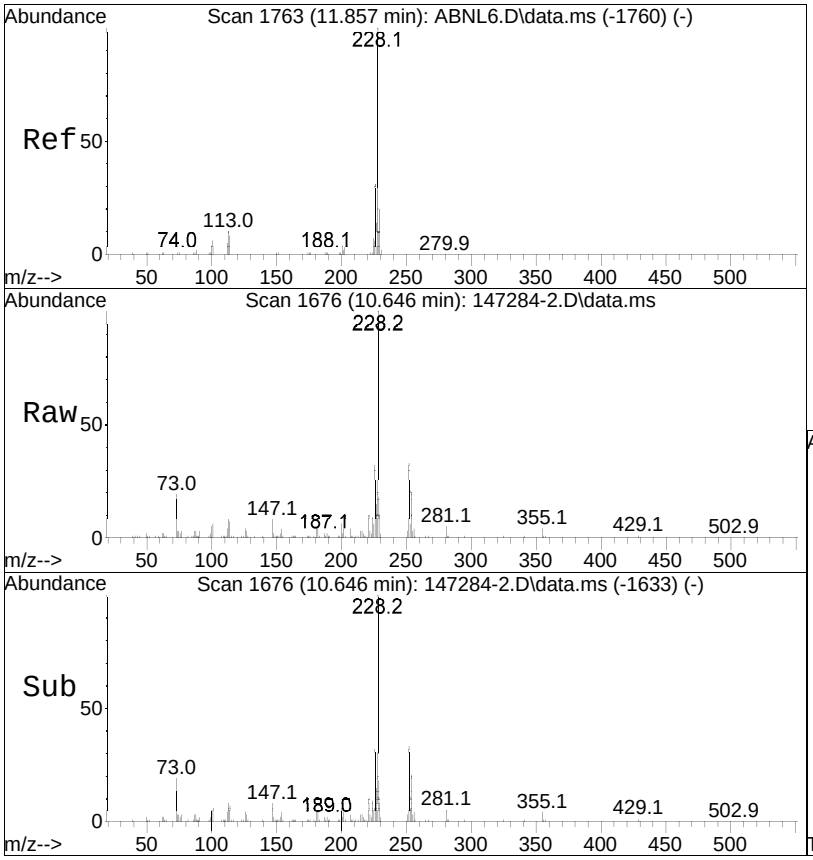


#106
3,3'-Dichlorobenzidine
Concen: 1.34 ug/ml
RT: 10.640 min Scan# 1675
Delta R.T. -0.006 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:252 Resp: 27448

Ion	Ratio	Lower	Upper
252	100		
126	17.0	12.6	19.0
254	62.1	51.1	76.7

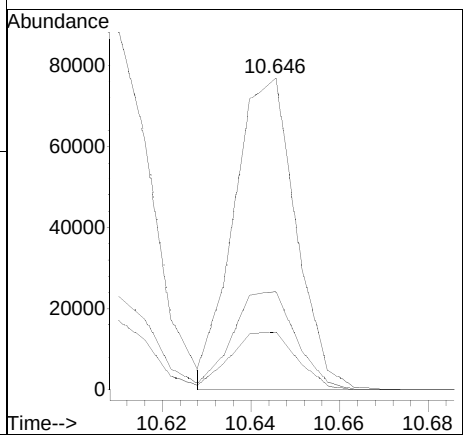


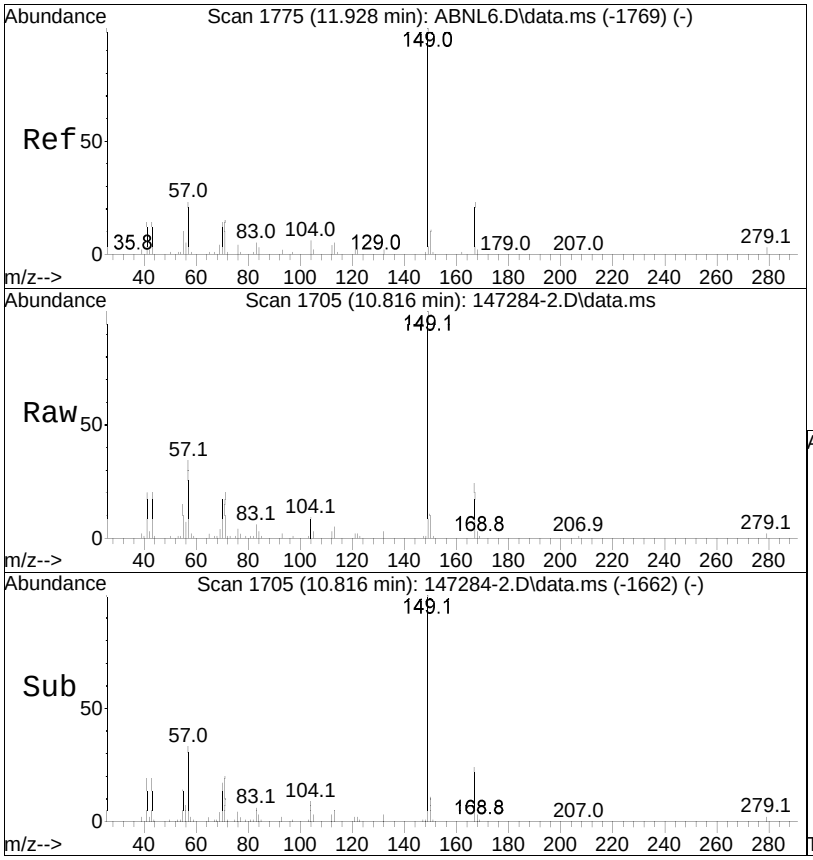


#107
Chrysene
Concen: 1.40 ug/ml M3
RT: 10.646 min Scan# 1676
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:228 Resp: 74007

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.7	37.1
229	22.0	15.5	23.3

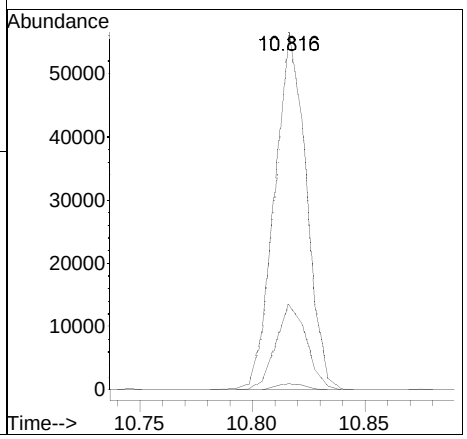


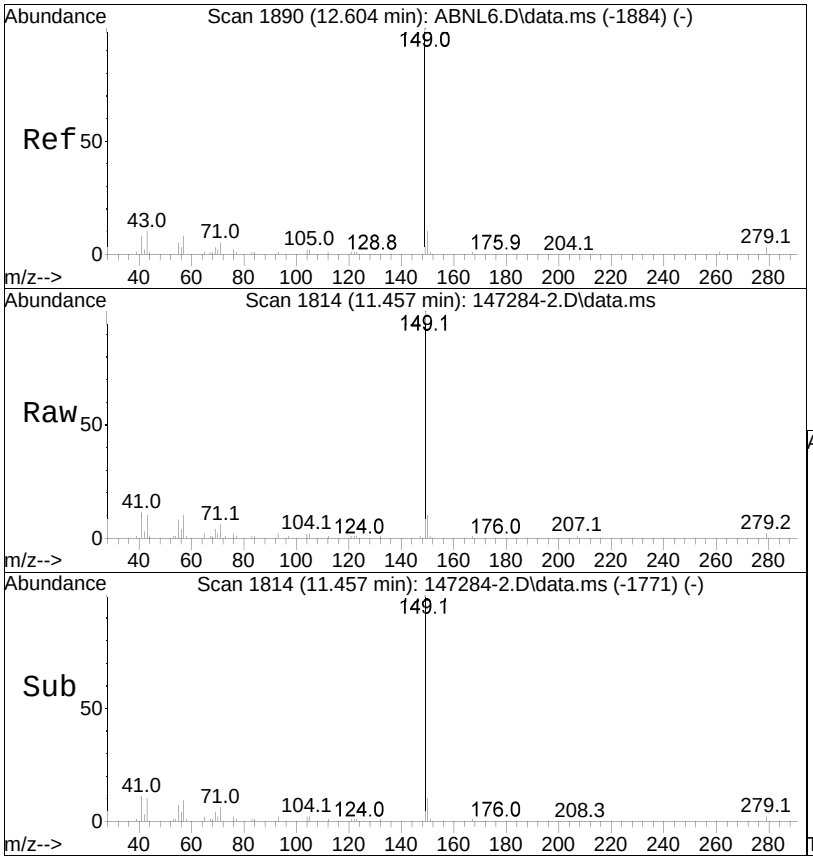


#108
Bis(2-ethylhexyl)phthalate
Concen: 1.63 ug/ml
RT: 10.816 min Scan# 1705
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:149 Resp: 54937

Ion	Ratio	Lower	Upper
149	100		
167	23.3	18.4	27.6
279	1.6	1.7	2.5#

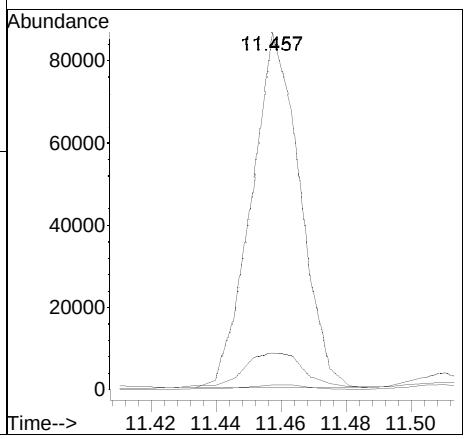


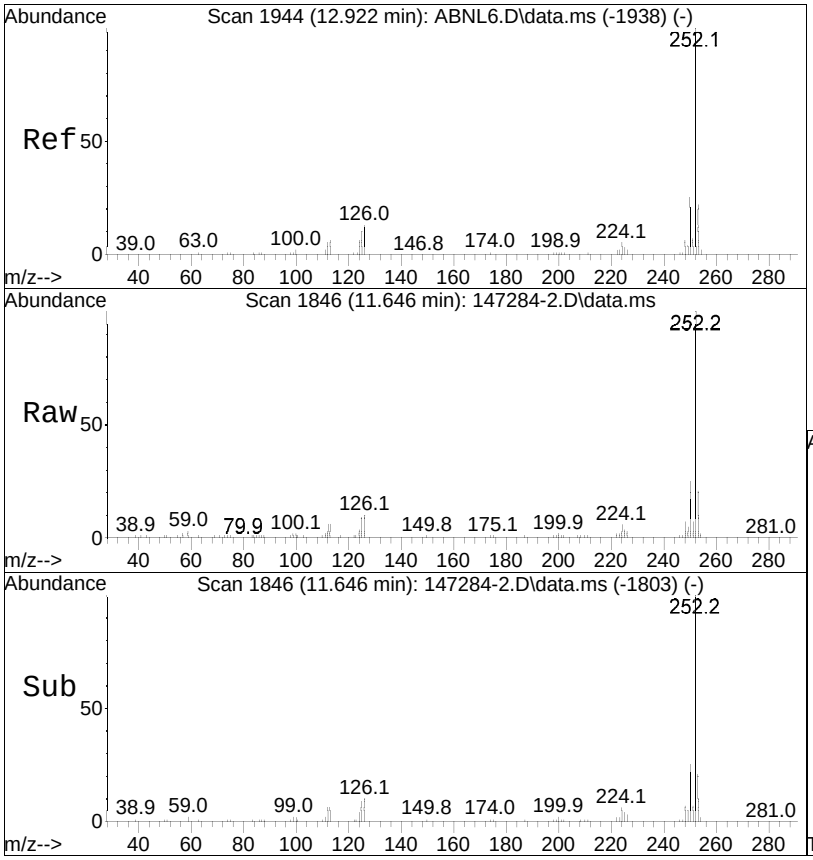


#109
Di-n-octylphthalate
Concen: 1.64 ug/ml
RT: 11.457 min Scan# 1814
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:149 Resp: 89037

Ion	Ratio	Lower	Upper
149	100		
43	12.4	8.2	12.2#
167	1.5	1.1	1.7

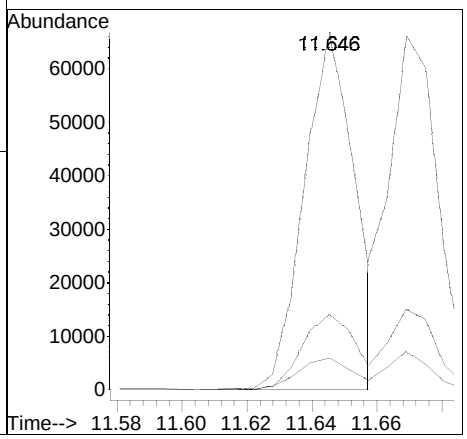


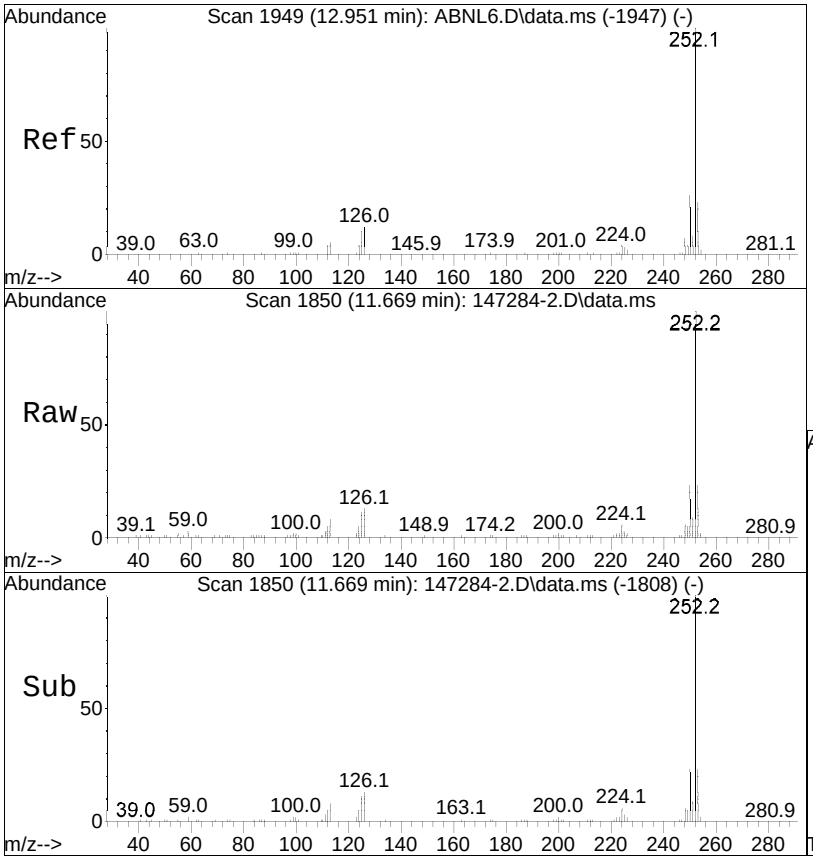


#110
Benzo(b)fluoranthene
Concen: 1.31 ug/ml
RT: 11.646 min Scan# 1846
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:252 Resp: 72991

Ion	Ratio	Lower	Upper
252	100		
125	9.5	11.3	16.9#
253	22.1	17.8	26.8

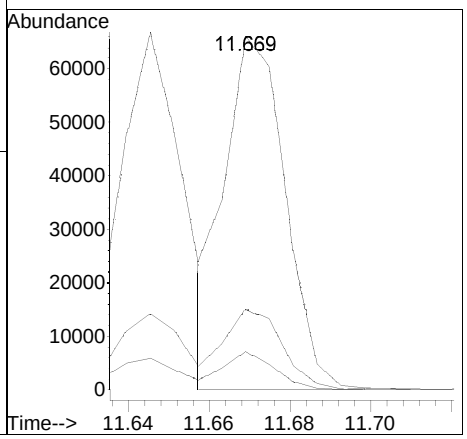


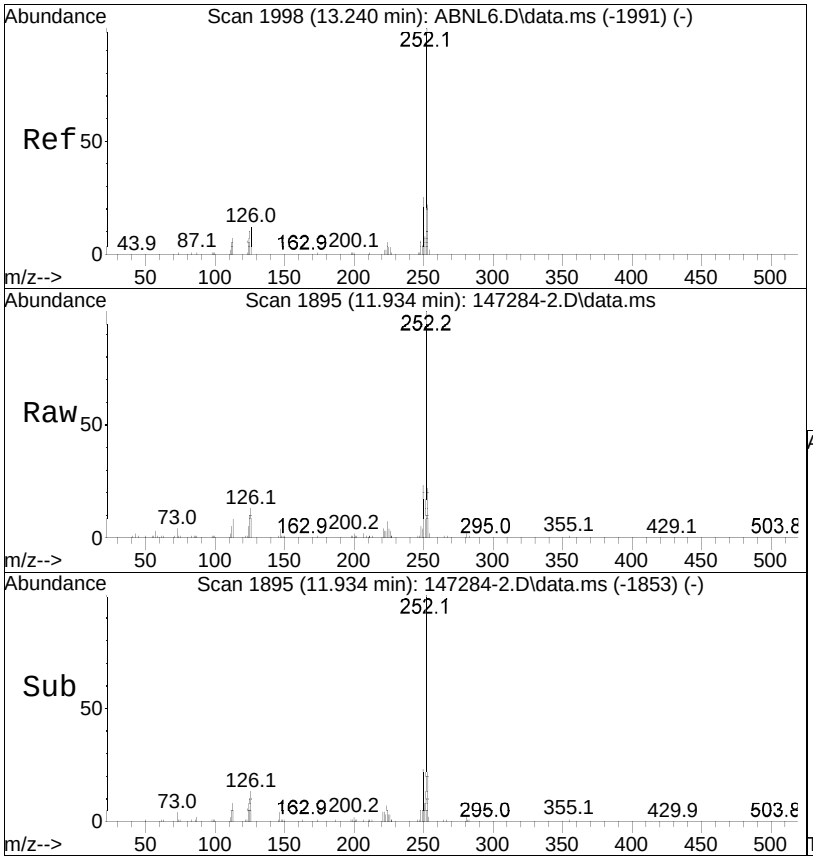


#111
Benzo(k)fluoranthene
Concen: 1.26 ug/ml M3
RT: 11.669 min Scan# 1850
Delta R.T. -0.006 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:252 Resp: 68356

Ion	Ratio	Lower	Upper
252	100		
125	12.5	11.5	17.3
253	20.7	17.6	26.4

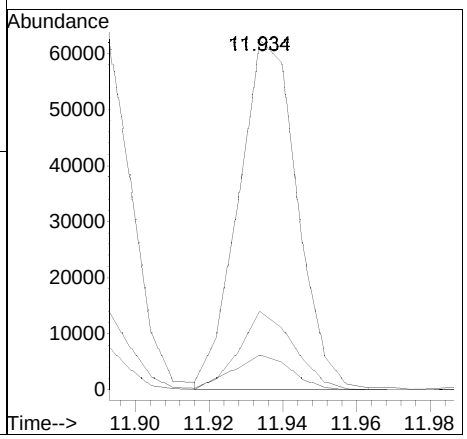


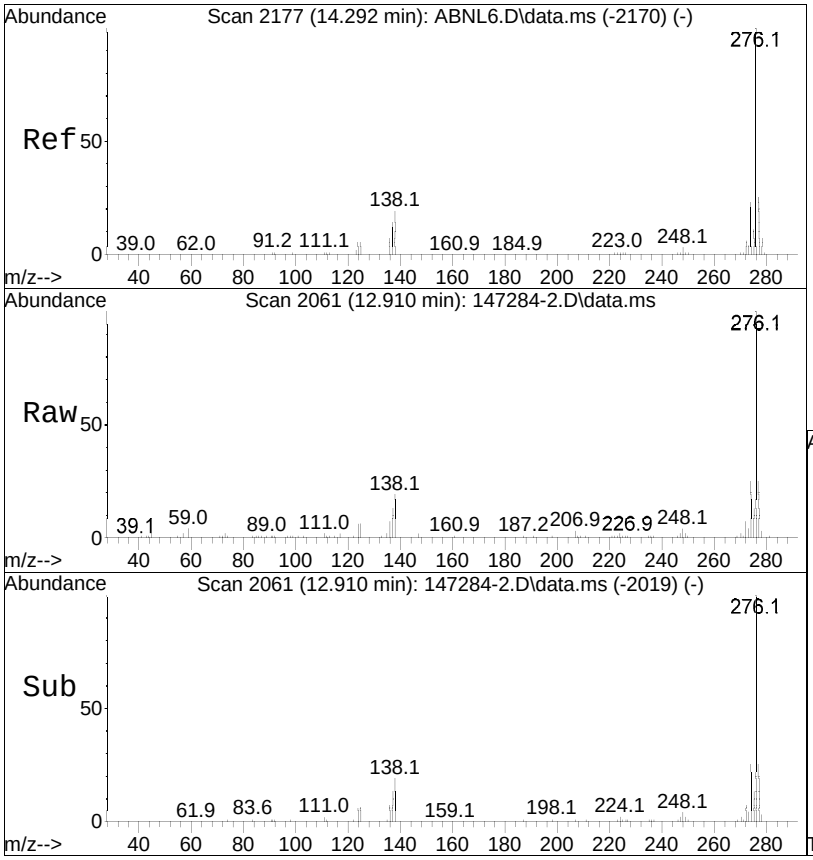


#112
Benzo(a)pyrene
Concen: 1.34 ug/ml M3
RT: 11.934 min Scan# 1895
Delta R.T. -0.006 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:252 Resp: 68973

Ion	Ratio	Lower	Upper
252	100		
125	13.1	12.6	18.8
253	22.2	17.5	26.3

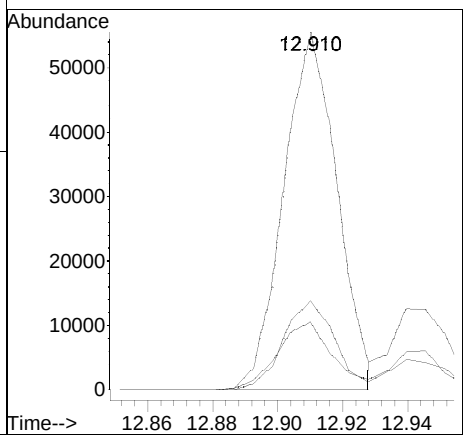


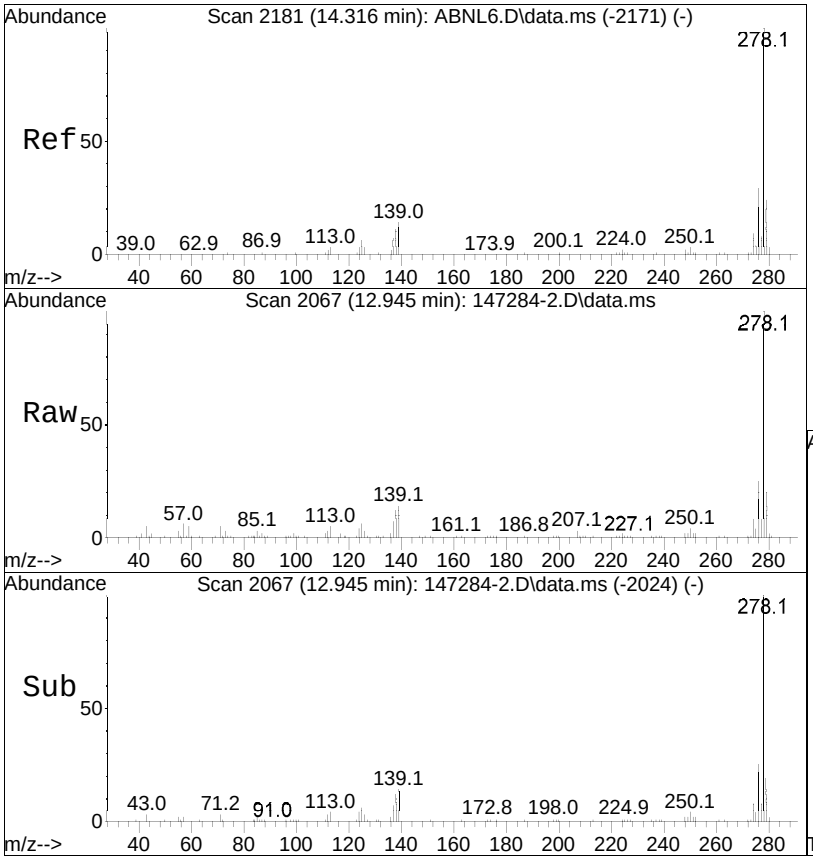


#114
Indeno(1,2,3-cd)pyrene
Concen: 1.33 ug/mL
RT: 12.910 min Scan# 2061
Delta R.T. -0.006 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:276 Resp: 63079

Ion	Ratio	Lower	Upper
276	100		
138	19.9	22.1	33.1#
277	24.2	19.0	28.6

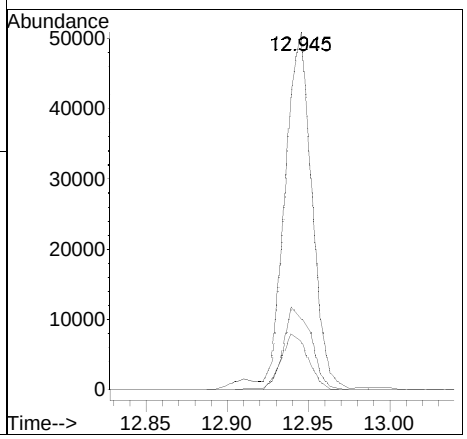


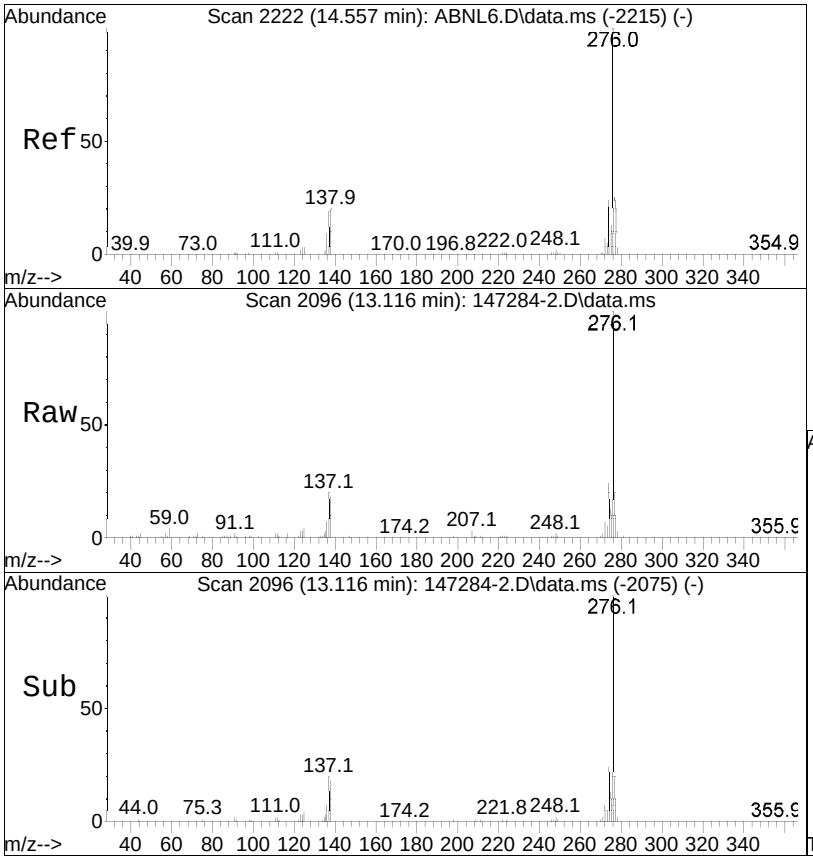


#115
Dibenzo(a,h)anthracene
Concen: 1.31 ug/ml
RT: 12.945 min Scan# 2067
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:278 Resp: 59677

Ion	Ratio	Lower	Upper
278	100		
139	15.3	17.8	26.8#
279	23.5	19.2	28.8

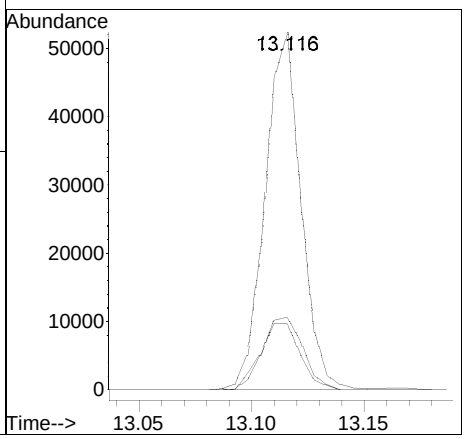




#116
Benzo(ghi)perylene
Concen: 1.22 ug/ml
RT: 13.116 min Scan# 2096
Delta R.T. 0.000 min
Lab File: 147284-2.D
Acq: 29 Nov 2025 12:39 pm

Tgt Ion:276 Resp: 57754

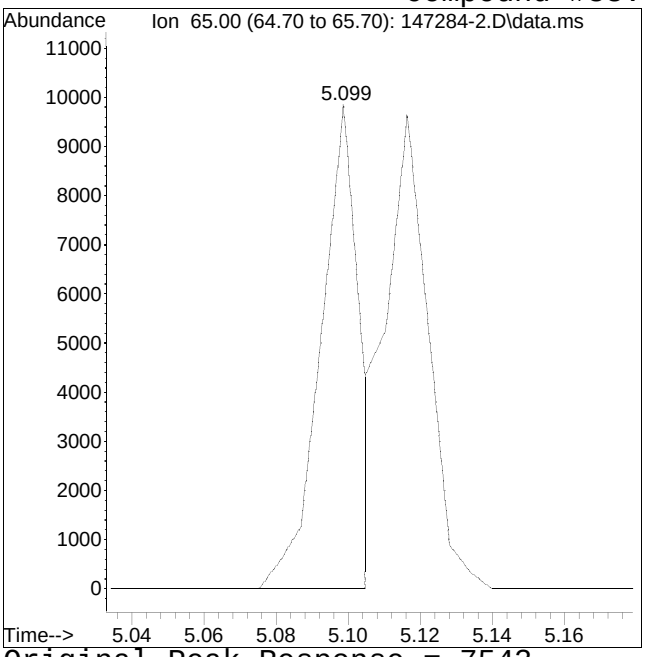
Ion	Ratio	Lower	Upper
276	100		
138	21.1	21.9	32.9#
277	23.0	18.4	27.6

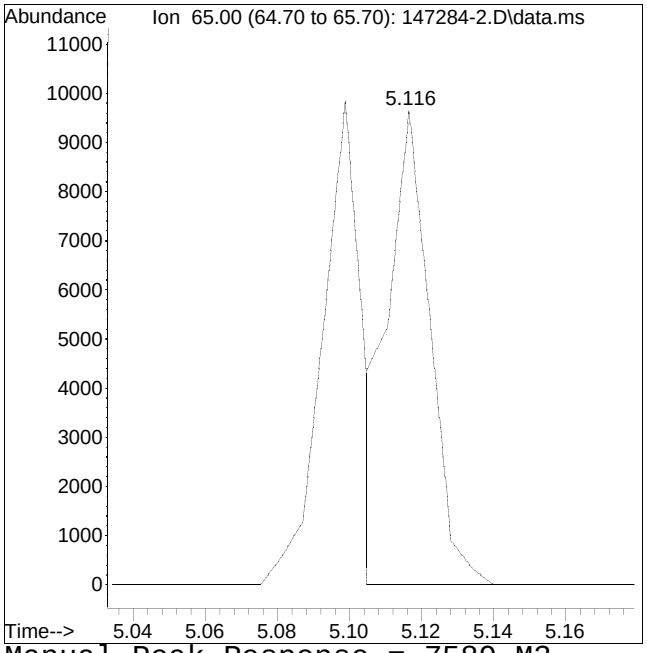


Manual Integration Report

Data Path	: I:\8270\SV112\251129RVTb\	QMethod	: FS250817SV112RVT.m
Data File	: 147284-2.D	Operator	: SV112:smz
Date Inj'd	: 11/29/2025 12:39 pm	Instrument	: SV112
Sample	: WG2147284-2,32,,gmr	Quant Date	: 11/29/2025 12:57 pm

Compound #38: 4-Chloroaniline





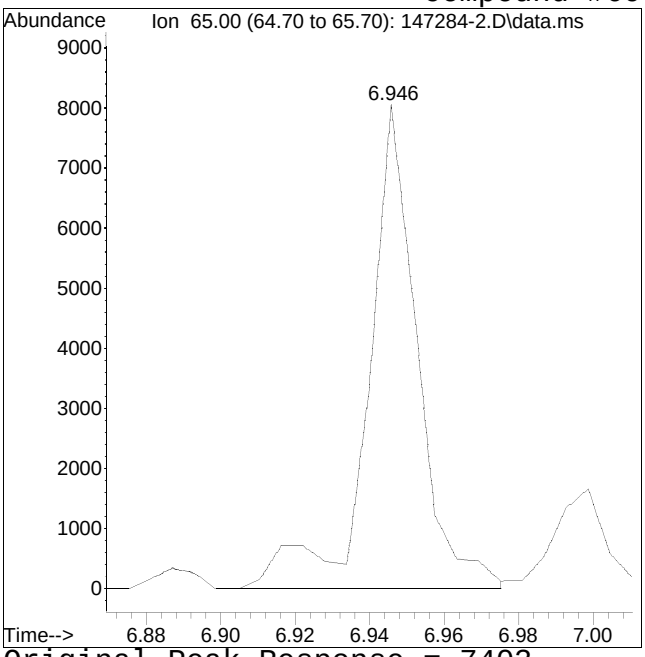
Original Peak Response = 7543 Manual Peak Response = 7589 M3

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

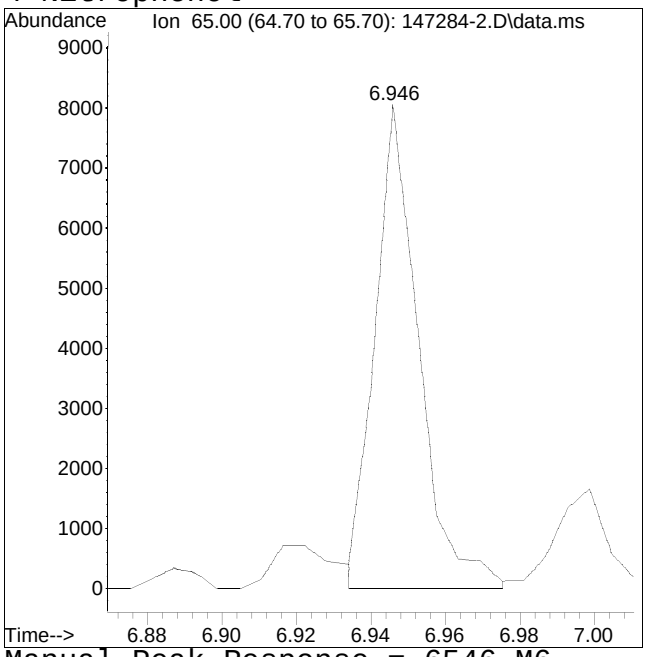
Manual Integration Report

Data Path : I:\8270\SV112\251129RVTb\ QMethod : FS250817SV112RVT.m
Data File : 147284-2.D Operator : SV112:smz
Date Inj'd : 11/29/2025 12:39 pm Instrument : SV112
Sample : WG2147284-2,32,,gmr Quant Date : 11/29/2025 12:57 pm

Compound #69: 4-Nitrophenol



Original Peak Response = 7403



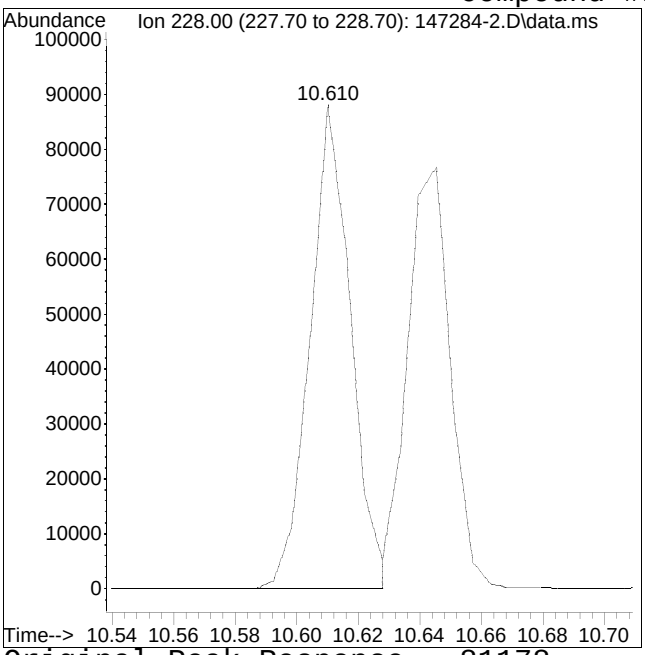
Manual Peak Response = 6546 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

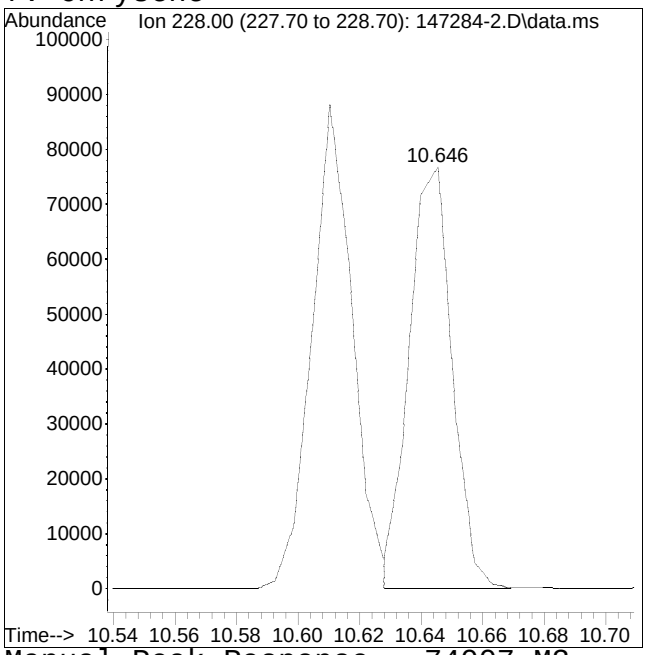
Manual Integration Report

Data Path : I:\8270\SV112\251129RVTb\ QMethod : FS250817SV112RVT.m
Data File : 147284-2.D Operator : SV112:smz
Date Inj'd : 11/29/2025 12:39 pm Instrument : SV112
Sample : WG2147284-2,32,,gmr Quant Date : 11/29/2025 12:57 pm

Compound #107: Chrysene



Original Peak Response = 81178



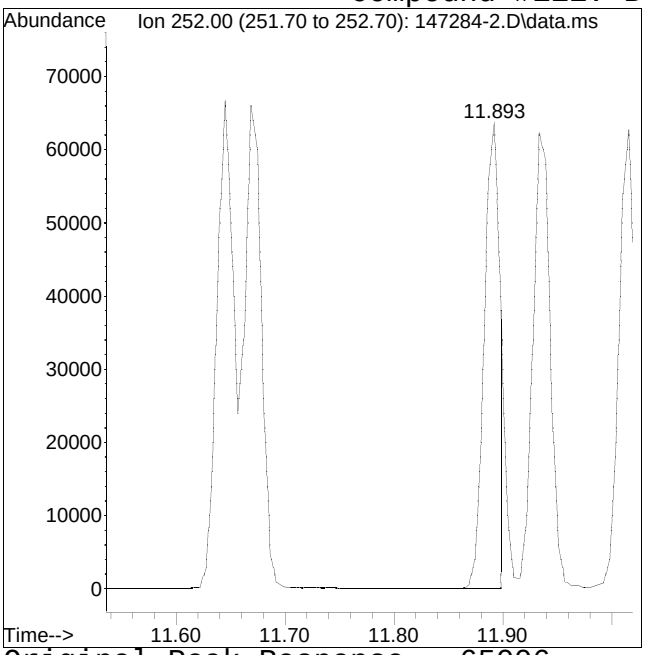
Manual Peak Response = 74007 M3

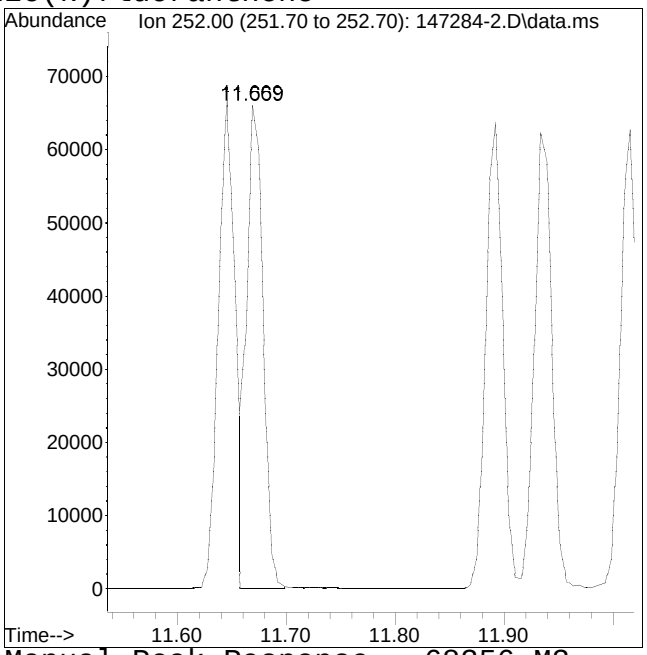
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\251129RVTb\ QMethod : FS250817SV112RVT.m
Data File : 147284-2.D Operator : SV112:smz
Date Inj'd : 11/29/2025 12:39 pm Instrument : SV112
Sample : WG2147284-2,32,,gmr Quant Date : 11/29/2025 12:57 pm

Compound #111: Benzo(k)fluoranthene





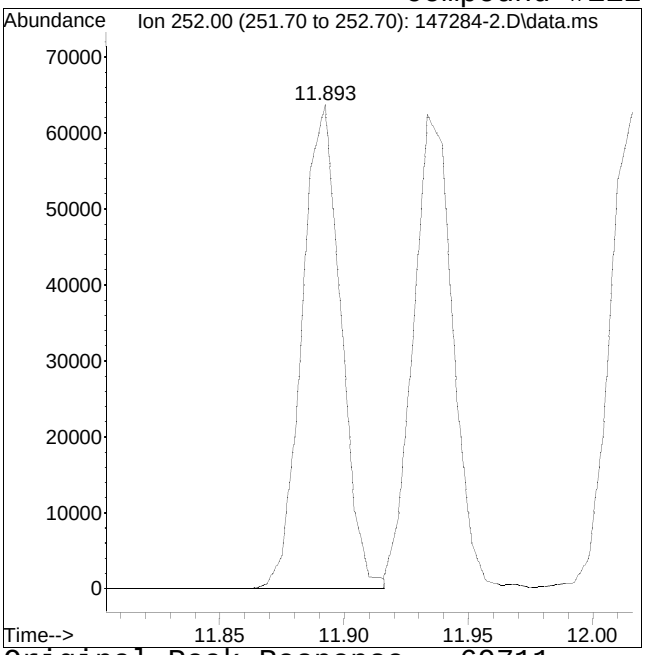
Original Peak Response = 65006 Manual Peak Response = 68356 M3

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

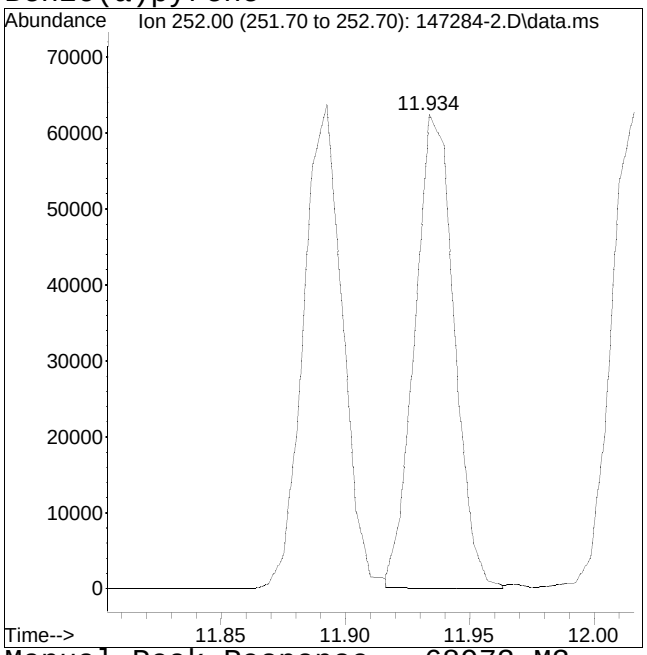
Manual Integration Report

Data Path : I:\8270\SV112\251129RVTb\ QMethod : FS250817SV112RVT.m
Data File : 147284-2.D Operator : SV112:smz
Date Inj'd : 11/29/2025 12:39 pm Instrument : SV112
Sample : WG2147284-2,32,,gmr Quant Date : 11/29/2025 12:57 pm

Compound #112: Benzo(a)pyrene



Original Peak Response = 69711



Manual Peak Response = 68973 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-3.D
Acq On : 29 Nov 2025 01:01 pm
Operator : SV112:smz
Sample : WG2147284-3,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 01 08:41:19 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:10:19 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\251129RVTb\ABN1129.D
: 2 - I:\8270\SV112\251129RVTb\ADP1129.D
: 3 - I:\8270\SV112\251129RVTb\AP91129.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	3.740	152	30092	4.000	ug/ml		0.00
Standard Area 1 = 32512			Recovery = 92.56%				
27) IS2_1,4-Dichlorobenzen...	3.740	152	30092	4.000	ug/ml		0.00
Standard Area 3 = 31519			Recovery = 95.47%				
32) IS3_1,4-Dichlorobenzen...	3.740	152	30092	4.000	ug/ml		0.00
Standard Area 2 = 31322			Recovery = 96.07%				
35) IS1_Naphthalene-d8	4.999	136	111742	4.000	ug/ml		0.00
Standard Area 1 = 113237			Recovery = 98.68%				
55) IS2_Naphthalene-d8	4.999	136	111742	4.000	ug/ml		0.00
Standard Area 3 = 109964			Recovery = 101.62%				
63) IS1_Acenaphthene-d10	6.687	164	74014	4.000	ug/ml		0.00
Standard Area 1 = 73361			Recovery = 100.89%				
83) IS2_Acenaphthene-d10	6.687	164	74014	4.000	ug/ml		0.00
Standard Area 3 = 69710			Recovery = 106.17%				
86) IS3_Acenaphthene-d10	6.687	164	74014	4.000	ug/ml		0.00
Standard Area 2 = 69026			Recovery = 107.23%				
88) IS1_Phenanthrene-d10	8.093	188	169288	4.000	ug/ml	#	0.00
Standard Area 1 = 168244			Recovery = 100.62%				
100) IS3_Phenanthrene-d10	8.093	188	169288	4.000	ug/ml	#	0.00
Standard Area 2 = 161689			Recovery = 104.70%				
104) IS1_Chrysene-d12	10.616	240	178355	4.000	ug/ml	#	0.00
Standard Area 1 = 177338			Recovery = 100.57%				
113) IS1_Perylene-d12	11.992	264	176169	4.000	ug/ml		0.00
Standard Area 1 = 179604			Recovery = 98.09%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.375	112	4629	0.557	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 27.85%				
7) Phenol-d6	3.481	99	6430	0.599	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 29.95%				
19) Nitrobenzene-d5	4.311	82	7796	0.765	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 76.50%				
46) 2-Fluorobiphenyl	6.087	172	15328	0.592	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 59.20%				
79) 2,4,6-Tribromophenol	7.446	330	3255	0.692	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 34.60%				

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-3.D
Acq On : 29 Nov 2025 01:01 pm
Operator : SV112:smz
Sample : WG2147284-3,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 01 08:41:19 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:10:19 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\251129RVTb\ABN1129.D
: 2 - I:\8270\SV112\251129RVTb\ADP1129.D
: 3 - I:\8270\SV112\251129RVTb\AP91129.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	9.669	244	27599	0.611	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 61.10%			
Target Compounds						Qvalue
6) 2-Chlorophenol	3.534	128	7968	0.823	ug/ml#	80
8) Phenol	3.493	94	7086	0.596	ug/ml#	81
9) Bis(2-chloroethyl)ether	3.522	93	11127	1.121	ug/ml#	64
10) 1,3-Dichlorobenzene	3.675	146	12154	1.027	ug/ml	98
11) 1,4-Dichlorobenzene	3.752	146	11554	0.953	ug/ml	93
12) 1,2-Dichlorobenzene	3.905	146	11515	0.983	ug/ml	95
13) Benzyl alcohol	3.934	79	11915	1.412	ug/ml#	87
14) Bis(2-chloroisopropyl)...	4.081	45	19214	1.189	ug/ml#	68
15) 2-Methylphenol	4.099	108	9447	1.087	ug/ml#	97
16) Hexachloroethane	4.234	117	5543	1.236	ug/ml#	73
17) n-Nitrosodi-n-propylamine	4.211	70	10592	1.364	ug/ml#	91
18) 3-Methylphenol/4-Methy...	4.263	108	10833	1.133	ug/ml#	1
20) Nitrobenzene	4.328	77	14869	1.407	ug/ml#	83
21) Isophorone	4.581	82	27046	1.262	ug/ml#	93
22) 2-Nitrophenol	4.652	139	3919	0.978	ug/ml#	17
23) 2,4-Dimethylphenol	4.775	107	14074	1.239	ug/ml#	81
24) Bis(2-chloroethoxy)met...	4.846	93	15710	1.155	ug/ml#	95
25) 2,4-Dichlorophenol	4.910	162	8545	0.851	ug/ml	95
26) 1,2,4-Trichlorobenzene	4.963	180	12662	1.094	ug/ml	96
29) Acetophenone	4.175	105	18251	1.225	ug/ml#	86
36) Naphthalene	5.016	128	30972	1.043	ug/ml	99
37) Benzoic Acid	4.858	105	833	1.547	ug/ml#	61
38) 4-Chloroaniline	5.116	65	6414M3	1.595	ug/ml	
39) Hexachlorobutadiene	5.187	225	8319	1.177	ug/ml	88
40) p-Chloro-m-cresol	5.657	107	12593	1.371	ug/ml	91
41) 2-Methylnaphthalene	5.699	142	21183	1.126	ug/ml#	95
43) Hexachlorocyclopentadiene	5.875	237	10415	1.488	ug/ml	99
44) 2,4,6-Trichlorophenol	6.010	196	6135	0.841	ug/ml	96
45) 2,4,5-Trichlorophenol	6.052	196	7470M3	1.003	ug/ml	
47) 2-Chloronaphthalene	6.157	162	24291	1.107	ug/ml	96
48) 2-Nitroaniline	6.293	138	8263	1.392	ug/ml#	70
51) Dimethyl phthalate	6.510	163	36447	1.309	ug/ml	99
52) Acenaphthylene	6.546	152	41994	1.173	ug/ml	98

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-3.D
Acq On : 29 Nov 2025 01:01 pm
Operator : SV112:smz
Sample : WG2147284-3,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 01 08:41:19 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:10:19 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\251129RVTb\ABN1129.D
: 2 - I:\8270\SV112\251129RVTb\ADP1129.D
: 3 - I:\8270\SV112\251129RVTb\AP91129.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
53) 2,6-Dinitrotoluene	6.540	165	7188	1.382 ug/ml#	57
61) 1,2,4,5-Tetrachloroben...	5.875	216	15594	1.259 ug/ml	97
62) Biphenyl	6.169	154	30309	1.109 ug/ml	97
64) 3-Nitroaniline	6.687	138	8219	1.436 ug/ml#	77
65) Acenaphthene	6.716	154	22928	1.124 ug/ml	95
66) 2,4-Dinitrophenol	6.793	184	1450	1.180 ug/ml	94
67) Dibenzofuran	6.887	168	40440	1.192 ug/ml	100
68) 2,4-Dinitrotoluene	6.922	165	10907	1.494 ug/ml	93
69) 4-Nitrophenol	6.946	65	3560	0.883 ug/ml#	76
72) Diethyl phthalate	7.199	149	38848	1.342 ug/ml	98
73) Fluorene	7.210	166	31815	1.154 ug/ml	96
74) 4-Chlorophenyl phenyl ...	7.252	204	17051	1.177 ug/ml#	85
75) 4-Nitroaniline	7.263	138	7992	1.396 ug/ml#	52
76) 4,6-Dinitro-o-cresol	7.304	198	4188	1.309 ug/ml#	88
77) NDPA/DPA	7.375	169	29070	1.261 ug/ml	98
80) 4-Bromophenyl phenyl e...	7.710	248	11188	1.181 ug/ml	91
81) Hexachlorobenzene	7.740	284	12480	1.112 ug/ml	91
82) Pentachlorophenol	7.952	266	3927	1.163 ug/ml	93
89) Phenanthrene	8.110	178	55928	1.202 ug/ml	99
90) Anthracene	8.157	178	56267	1.218 ug/ml	100
91) Carbazole	8.346	167	53915	1.282 ug/ml	98
92) Di-n-butylphthalate	8.775	149	70626	1.434 ug/ml	99
93) Fluoranthene	9.240	202	74835	1.330 ug/ml#	95
95) Pyrene	9.446	202	77992	1.348 ug/ml	99
97) Butyl benzyl phthalate	10.193	149	33594	1.524 ug/ml	91
105) Benzo(a)anthracene	10.610	228	79916	1.370 ug/ml	98
106) 3,3'-Dichlorobenzidine	10.640	252	26139	1.238 ug/ml	97
107) Chrysene	10.640	228	72710M3	1.341 ug/ml	
108) Bis(2-ethylhexyl)phtha...	10.816	149	51733	1.509 ug/ml	98
109) Di-n-octylphthalate	11.457	149	85849	1.559 ug/ml	98
110) Benzo(b)fluoranthene	11.645	252	74983	1.310 ug/ml#	94
111) Benzo(k)fluoranthene	11.669	252	67657M3	1.213 ug/ml	
112) Benzo(a)pyrene	11.934	252	67232M3	1.269 ug/ml	
114) Indeno(1,2,3-cd)pyrene	12.910	276	61599	1.266 ug/mL#	91
115) Dibenzo(a,h)anthracene	12.945	278	62022	1.323 ug/ml#	93
116) Benzo(ghi)perylene	13.116	276	59047	1.213 ug/ml#	93

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-3.D
Acq On : 29 Nov 2025 01:01 pm
Operator : SV112:smz
Sample : WG2147284-3,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 01 08:41:19 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:10:19 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\251129RVTb\ABN1129.D
: 2 - I:\8270\SV112\251129RVTb\ADP1129.D
: 3 - I:\8270\SV112\251129RVTb\AP91129.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

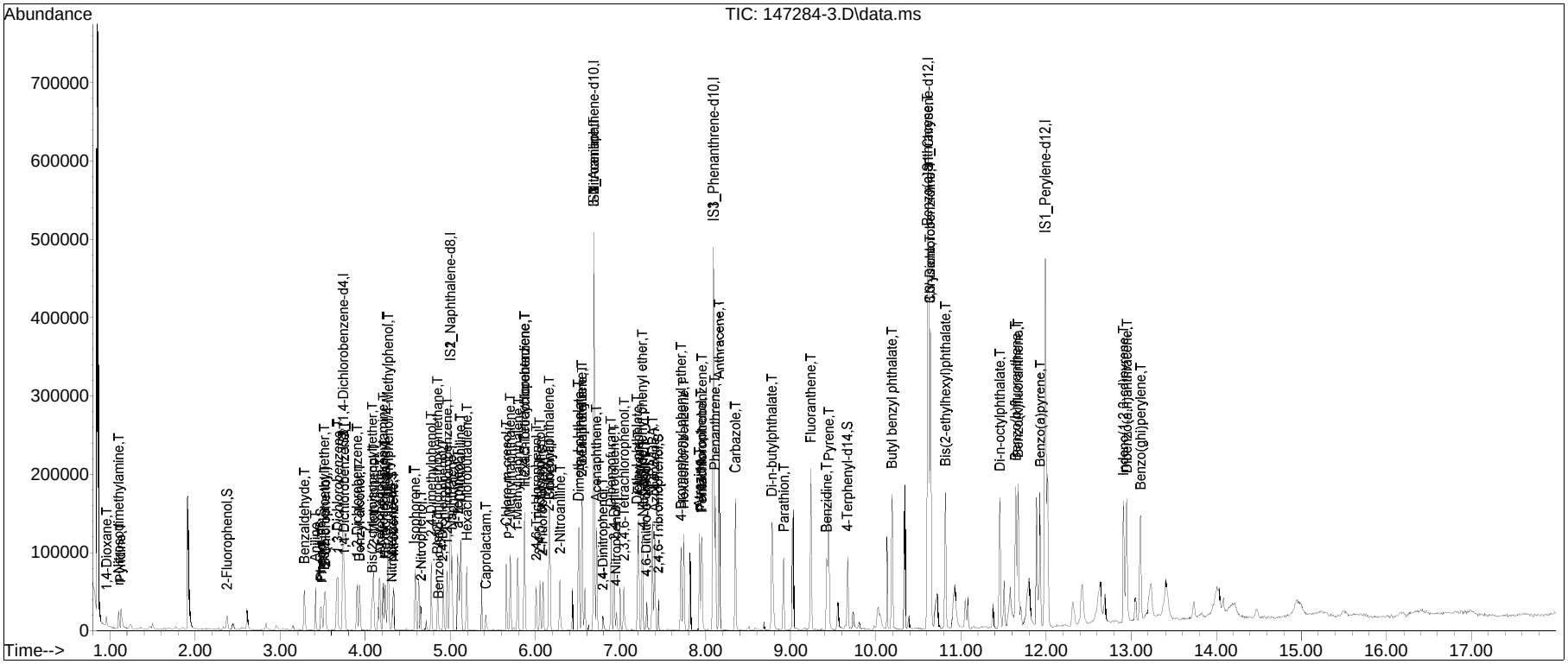
(#) = qualifier out of range (m) = manual integration (+) = signals summed

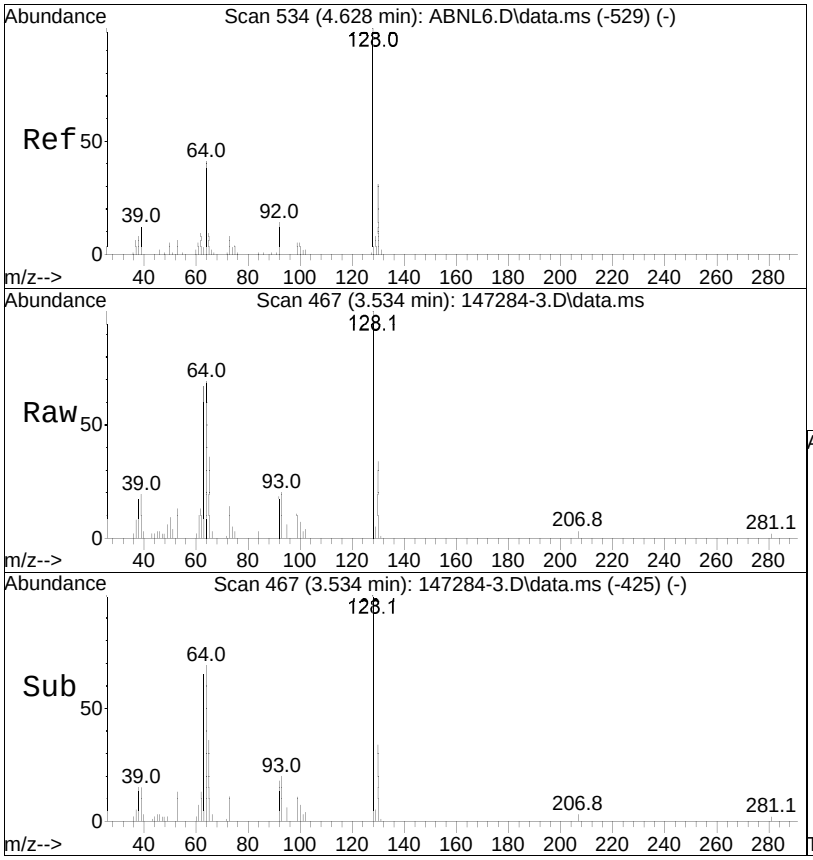
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\251129RVTb\
Data File : 147284-3.D
Acq On : 29 Nov 2025 01:01 pm
Operator : SV112:smz
Sample : WG2147284-3,32,,gmr
Misc : WG2147407,WG2147284,ical22560
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 01 08:41:19 2025
Quant Method : I:\8270\SV112\251129RVTb\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 12:10:19 2025
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MARVTb\AP91129.D•

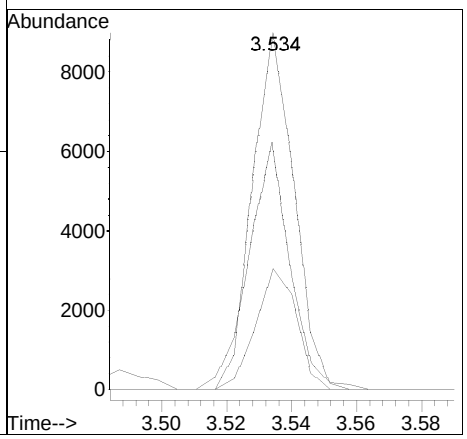


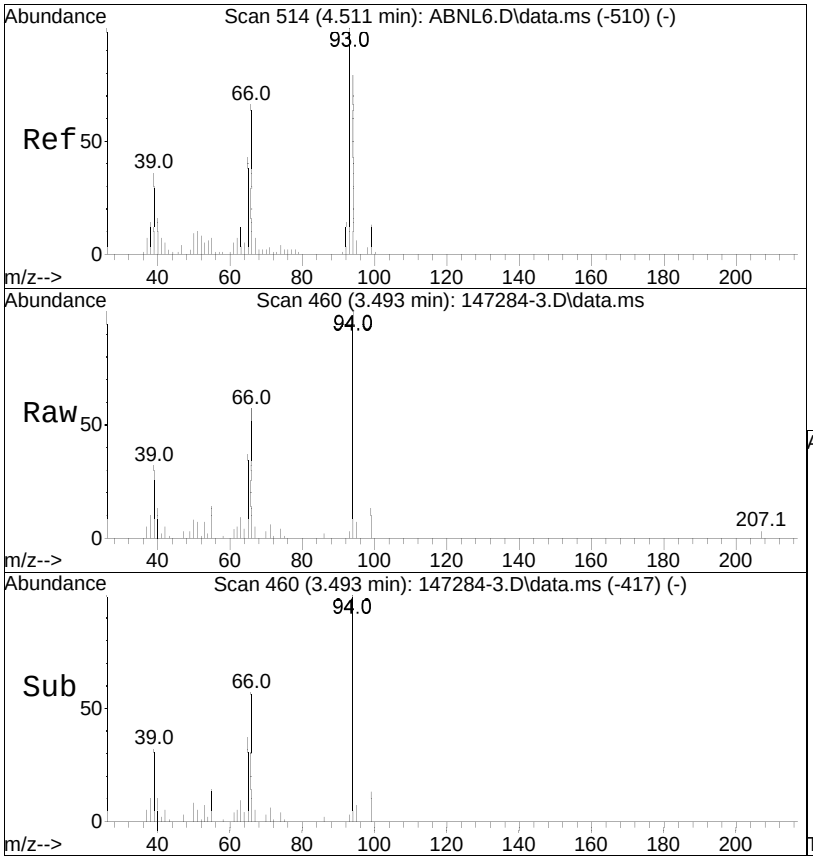


#6
2-Chlorophenol
Concen: 0.82 ug/ml
RT: 3.534 min Scan# 467
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:128 Resp: 7968

Ion	Ratio	Lower	Upper
128	100		
64	69.3	38.2	57.4#
130	33.5	26.2	39.2

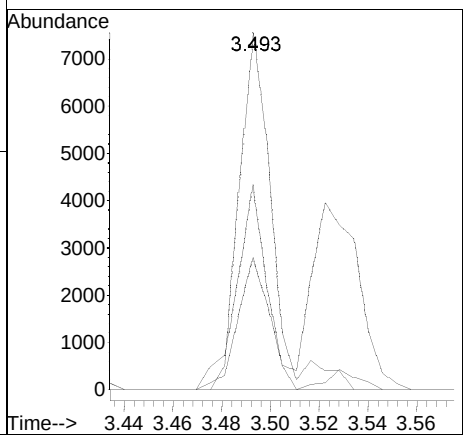


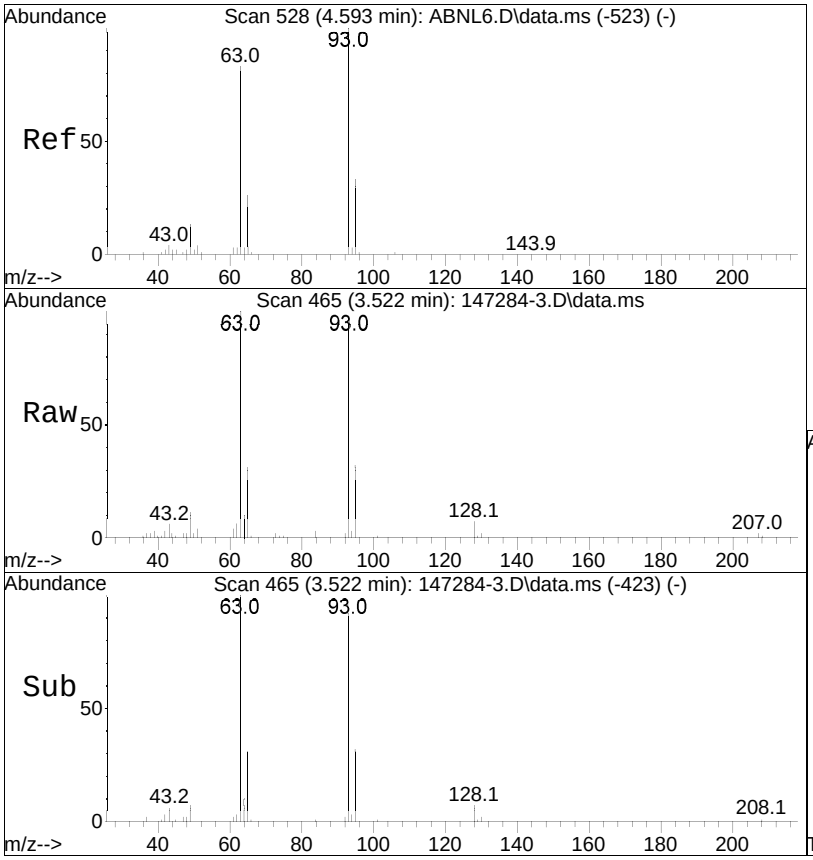


#8
Phenol
Concen: 0.60 ug/ml
RT: 3.493 min Scan# 460
Delta R.T. 0.006 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion: 94 Resp: 7086

Ion	Ratio	Lower	Upper
94	100		
65	37.6	23.0	34.6#
66	53.2	32.1	48.1#

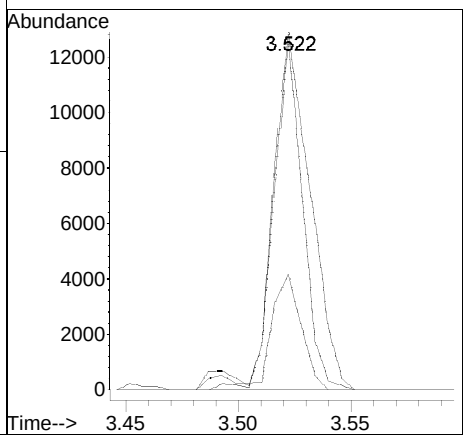


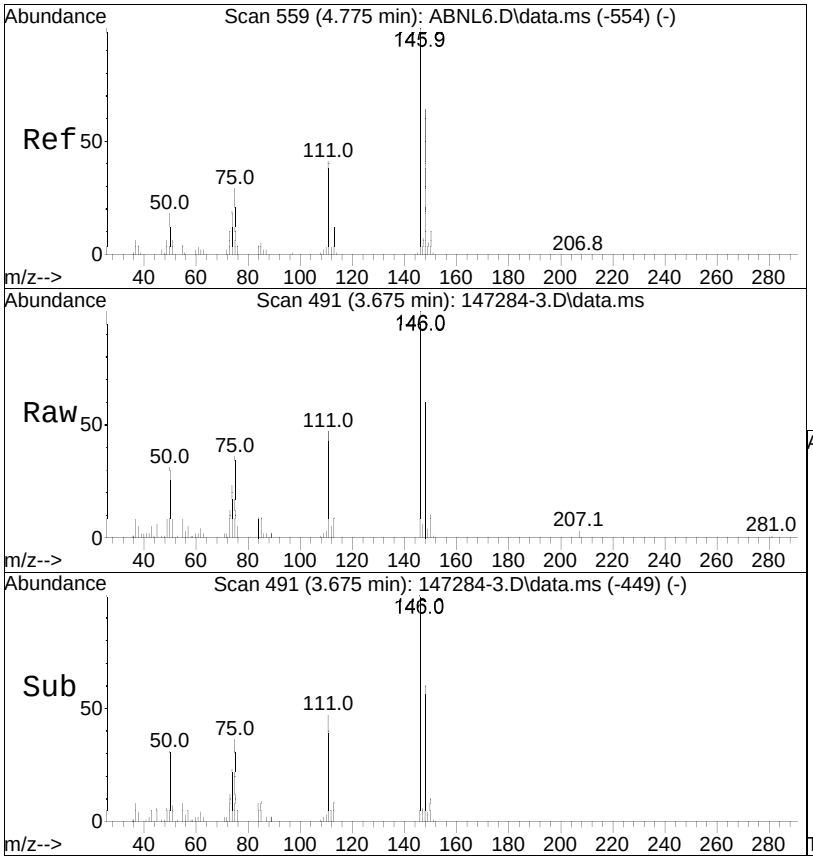


#9
Bis(2-chloroethyl)ether
Concen: 1.12 ug/ml
RT: 3.522 min Scan# 465
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion: 93 Resp: 11127

Ion	Ratio	Lower	Upper
93	100		
63	128.2	67.0	100.4#
95	33.6	26.1	39.1

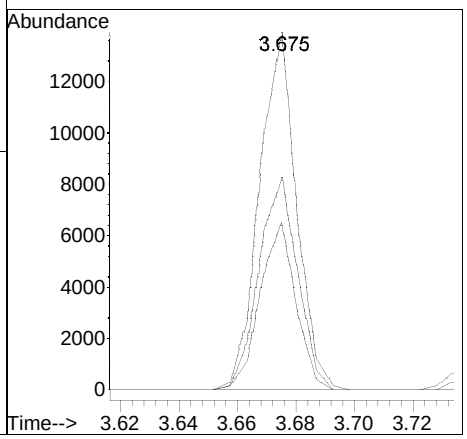


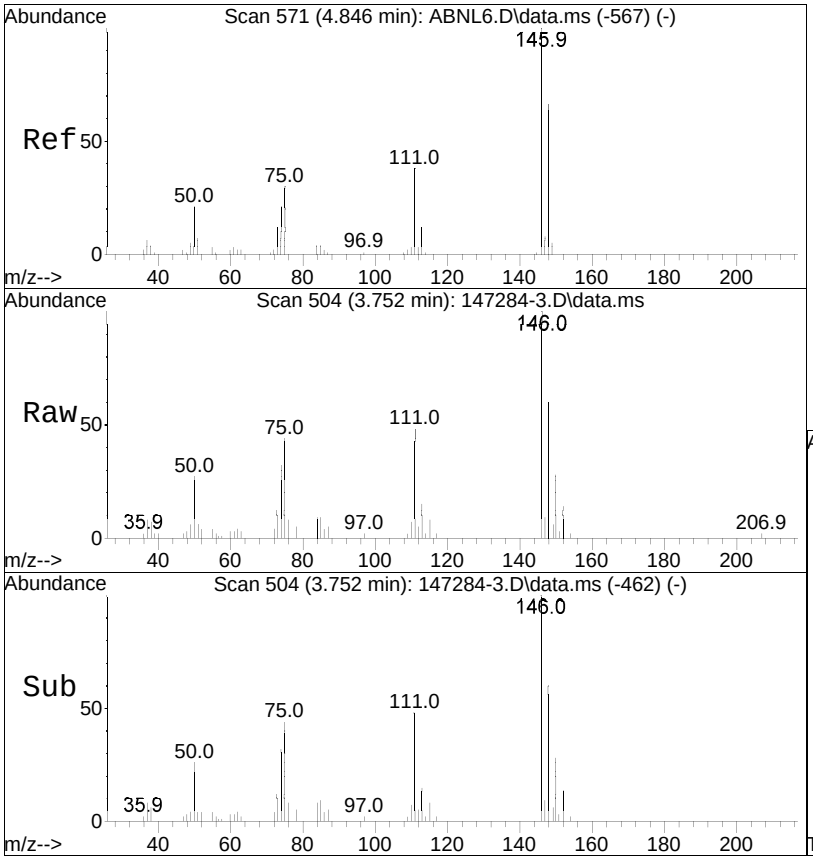


#10
1,3-Dichlorobenzene
Concen: 1.03 ug/ml
RT: 3.675 min Scan# 491
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:146 Resp: 12154

Ion	Ratio	Lower	Upper
146	100		
111	45.4	35.0	52.4
148	62.2	51.3	76.9

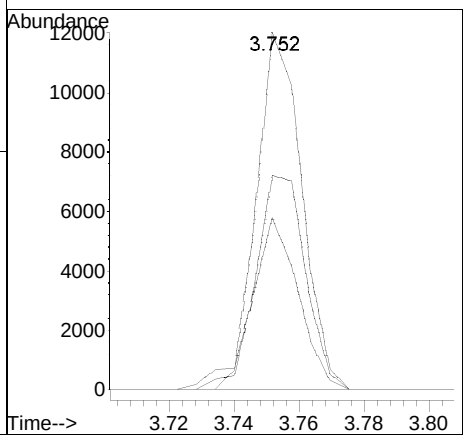


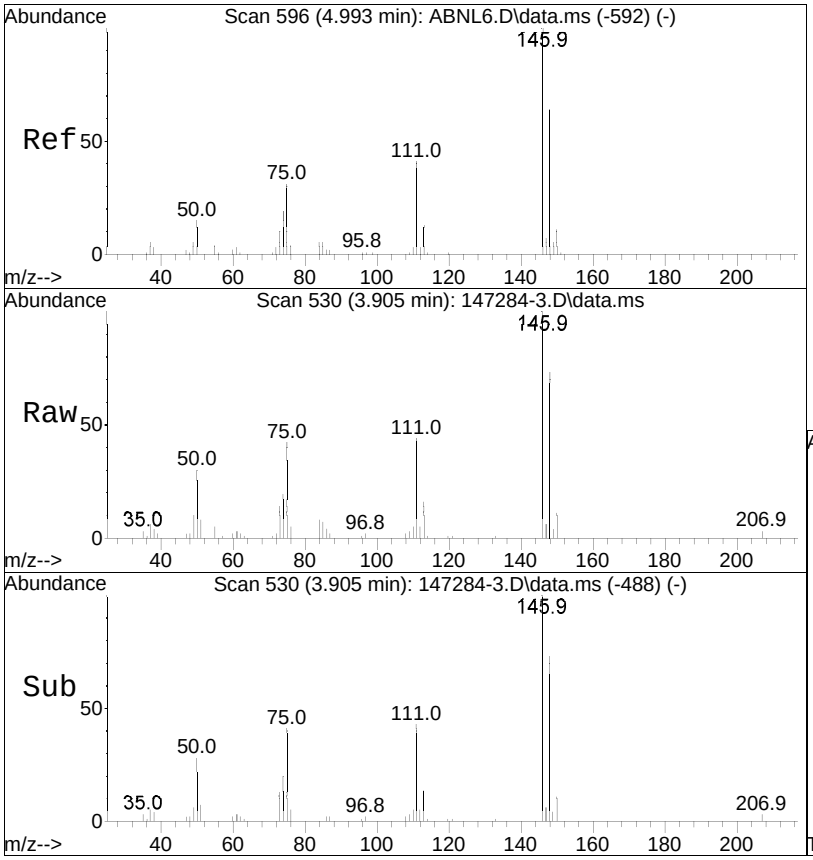


#11
1,4-Dichlorobenzene
Concen: 0.95 ug/ml
RT: 3.752 min Scan# 504
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:146 Resp: 11554

Ion	Ratio	Lower	Upper
146	100		
148	66.2	51.1	76.7
111	50.8	34.4	51.6

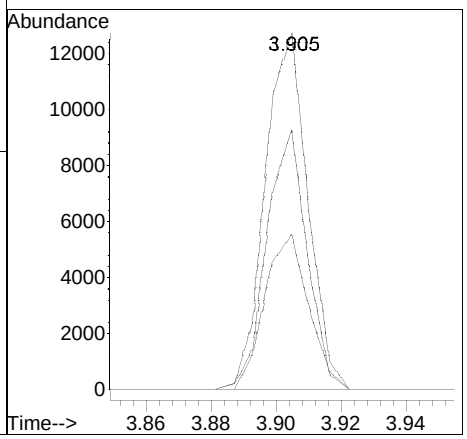


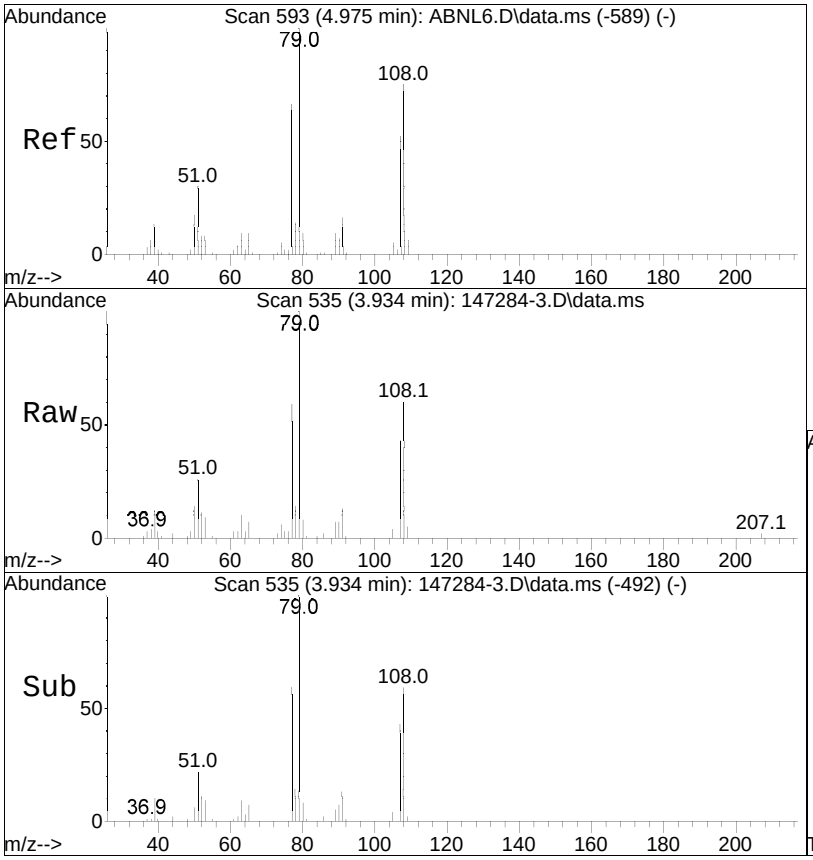


#12
1,2-Dichlorobenzene
Concen: 0.98 ug/ml
RT: 3.905 min Scan# 530
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:146 Resp: 11515

Ion	Ratio	Lower	Upper
146	100		
111	45.1	35.5	53.3
148	68.8	50.6	76.0

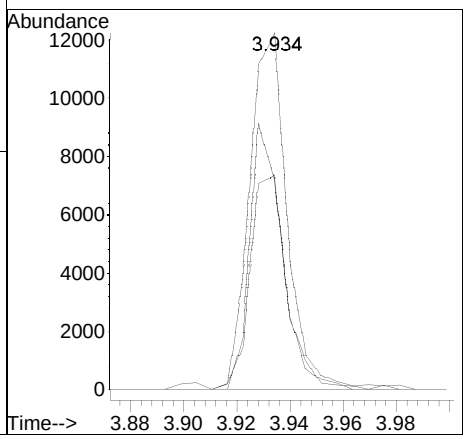


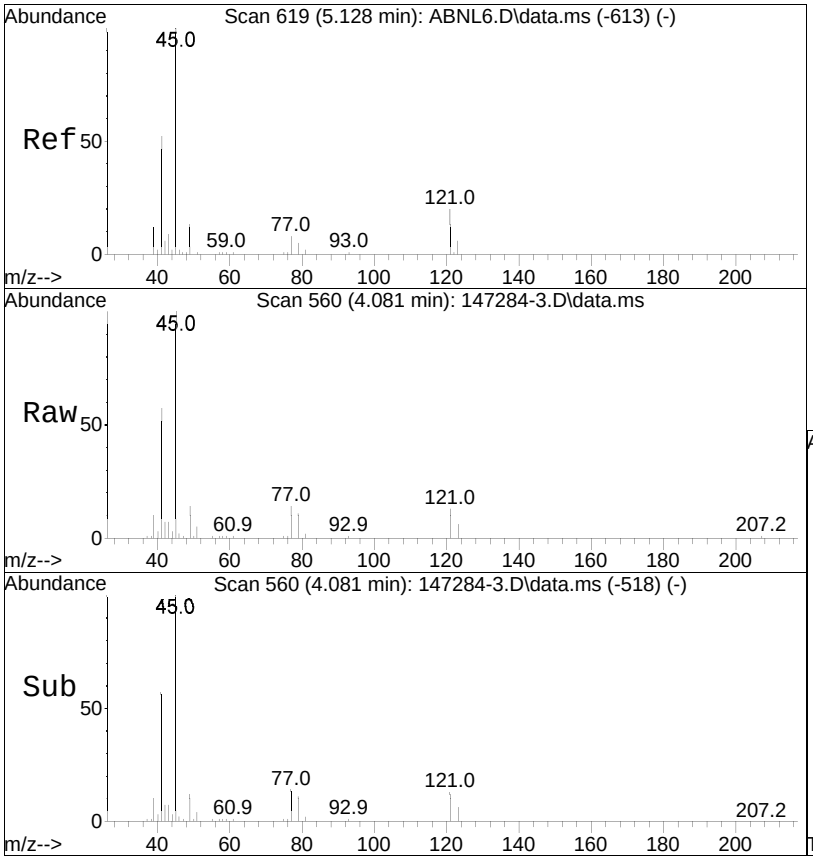


#13
Benzyl alcohol
Concen: 1.41 ug/ml
RT: 3.934 min Scan# 535
Delta R.T. 0.006 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion: 79 Resp: 11915

Ion	Ratio	Lower	Upper
79	100		
77	65.3	51.8	77.6
108	60.0	63.9	95.9#

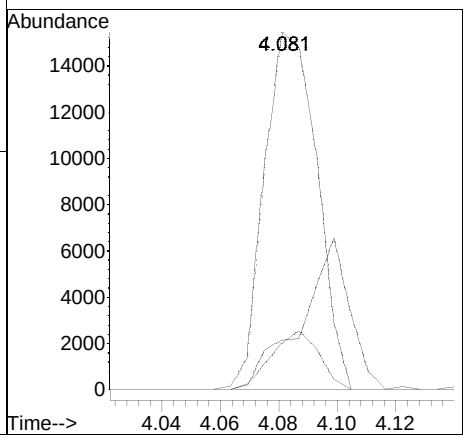


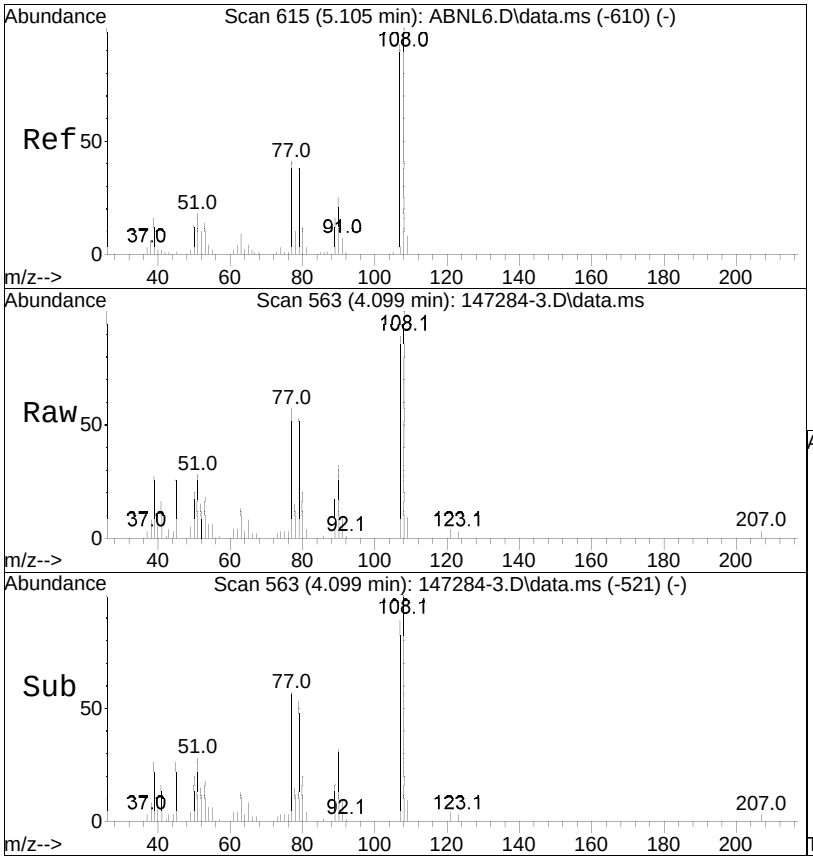


#14
Bis(2-chloroisopropyl)ether
Concen: 1.19 ug/ml
RT: 4.081 min Scan# 560
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion: 45 Resp: 19214

Ion	Ratio	Lower	Upper
45	100		
121	14.9	14.8	22.2
77	39.2	10.5	15.7#

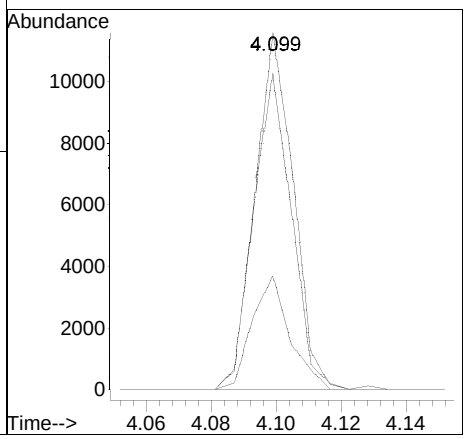


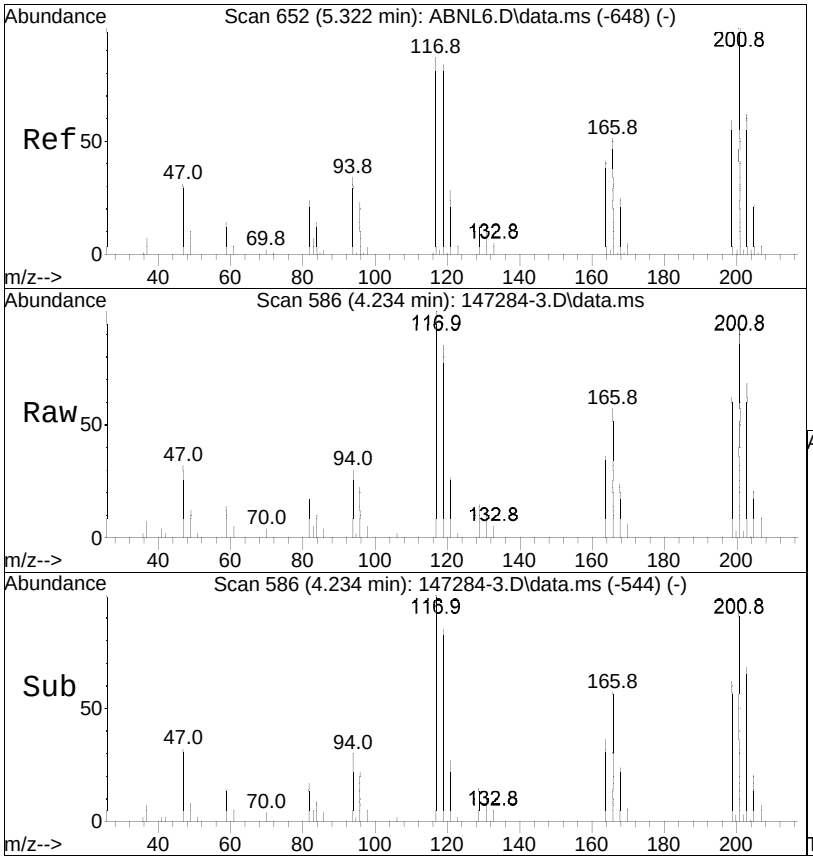


#15
2-Methylphenol
Concen: 1.09 ug/ml
RT: 4.099 min Scan# 563
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:108 Resp: 9447

Ion	Ratio	Lower	Upper
108	100		
107	88.4	71.0	106.4
90	31.5	19.7	29.5#

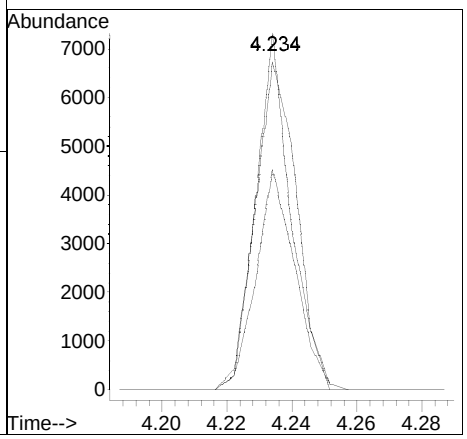


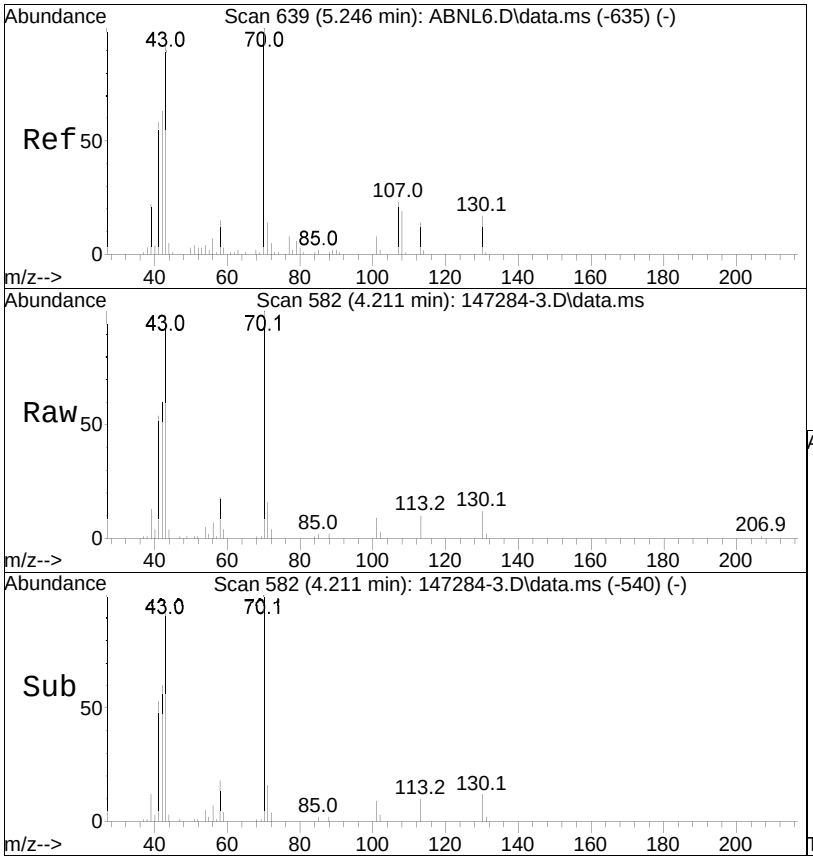


#16
Hexachloroethane
Concen: 1.24 ug/ml
RT: 4.234 min Scan# 586
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:117 Resp: 5543

Ion	Ratio	Lower	Upper
117	100		
201	105.3	64.4	96.6#
199	67.8	40.5	60.7#

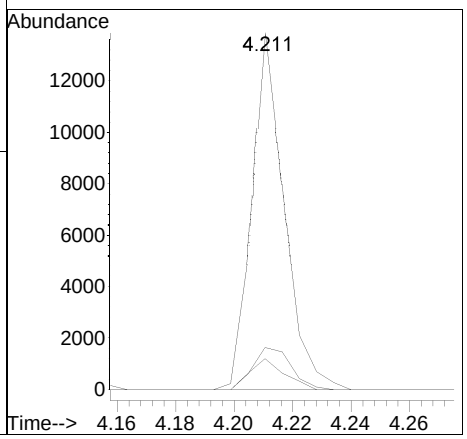


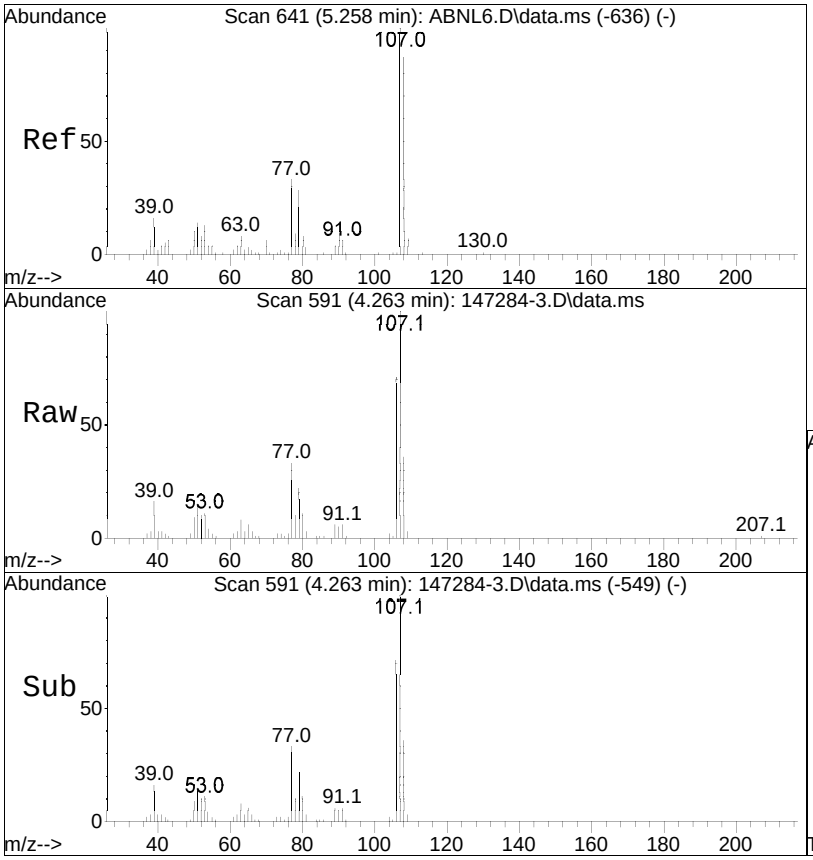


#17
n-Nitrosodi-n-propylamine
Concen: 1.36 ug/ml
RT: 4.211 min Scan# 582
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion: 70 Resp: 10592

Ion	Ratio	Lower	Upper
70	100		
130	14.1	16.2	24.4#
101	9.3	7.6	11.4

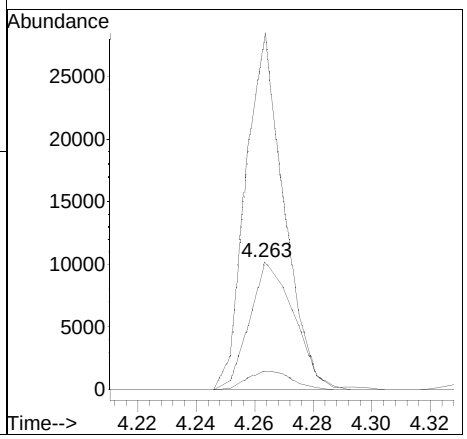


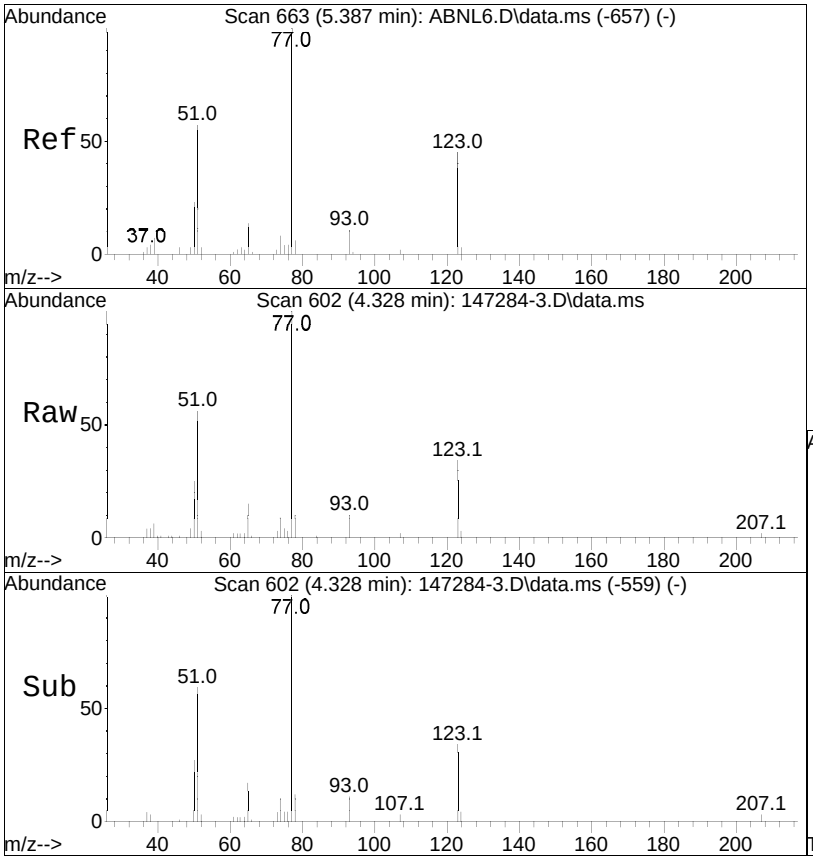


#18
3-Methylphenol/4-Methylphenol
Concen: 1.13 ug/ml
RT: 4.263 min Scan# 591
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:108 Resp: 10833

Ion	Ratio	Lower	Upper
108	100		
107	238.9	88.8	133.2#
90	15.1	9.0	13.6#

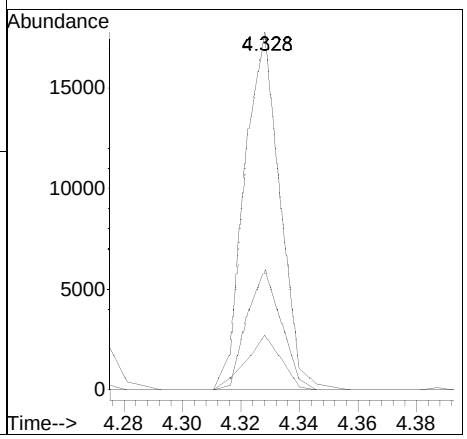


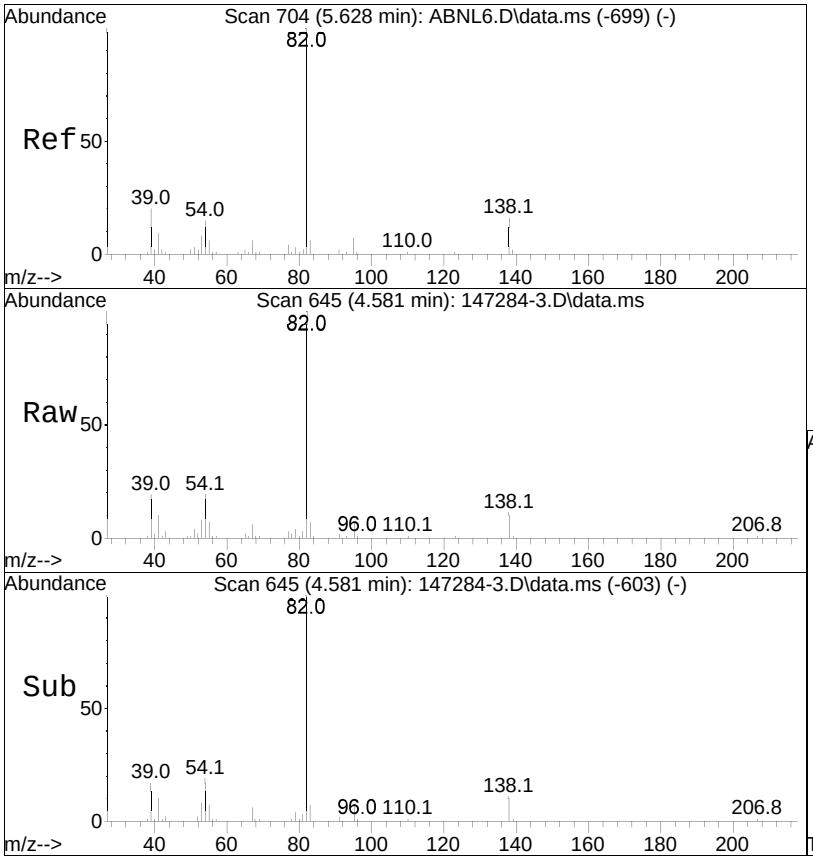


#20
Nitrobenzene
Concen: 1.41 ug/ml
RT: 4.328 min Scan# 602
Delta R.T. 0.006 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion: 77 Resp: 14869

Ion	Ratio	Lower	Upper
77	100		
123	32.7	37.3	55.9#
65	15.3	10.9	16.3

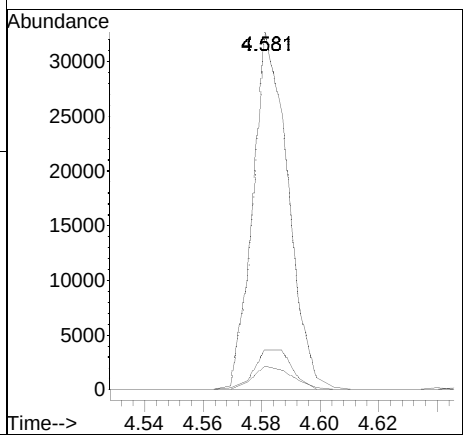


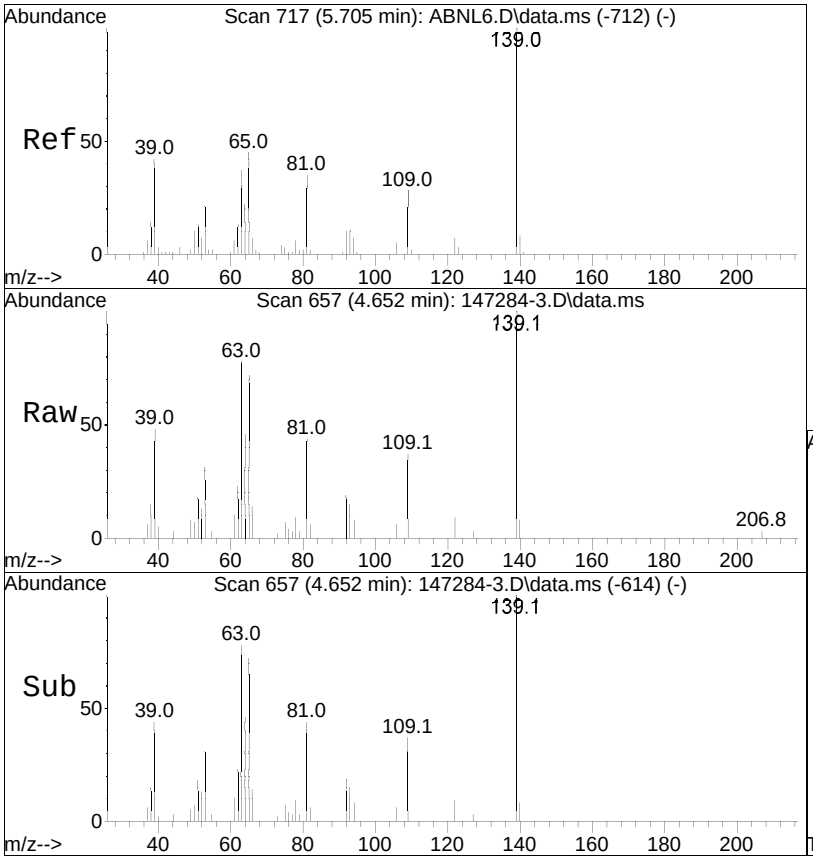


#21
Isophorone
Concen: 1.26 ug/ml
RT: 4.581 min Scan# 645
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion: 82 Resp: 27046

Ion	Ratio	Lower	Upper
82	100		
138	12.0	13.0	19.4#
95	7.3	5.5	8.3

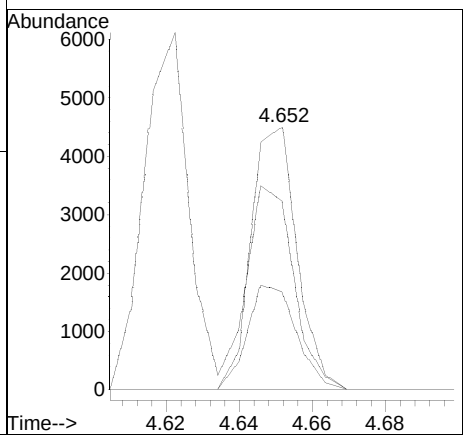


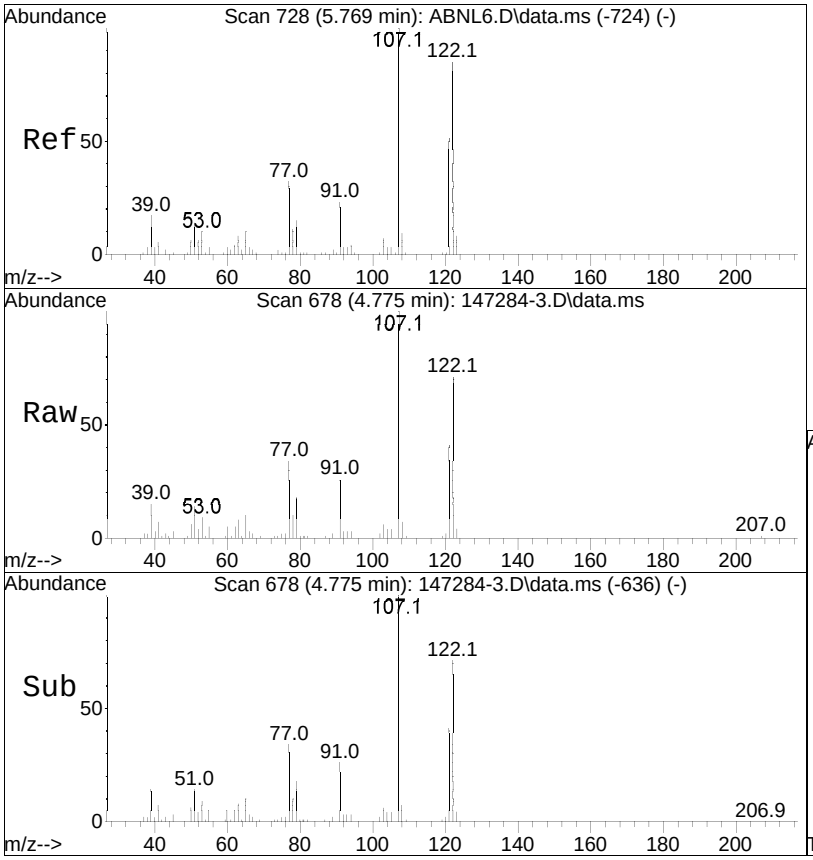


#22
2-Nitrophenol
Concen: 0.98 ug/ml
RT: 4.652 min Scan# 657
Delta R.T. 0.006 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:139 Resp: 3919

Ion	Ratio	Lower	Upper
139	100		
109	42.4	23.1	34.7#
65	132.8	41.4	62.2#

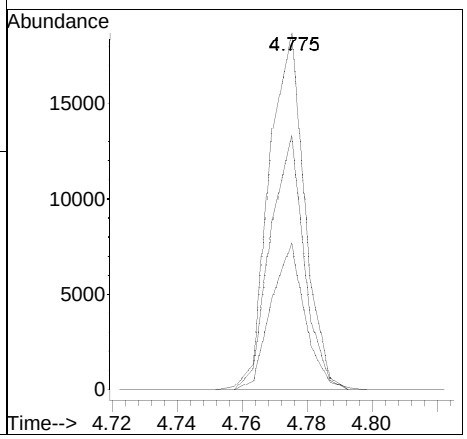


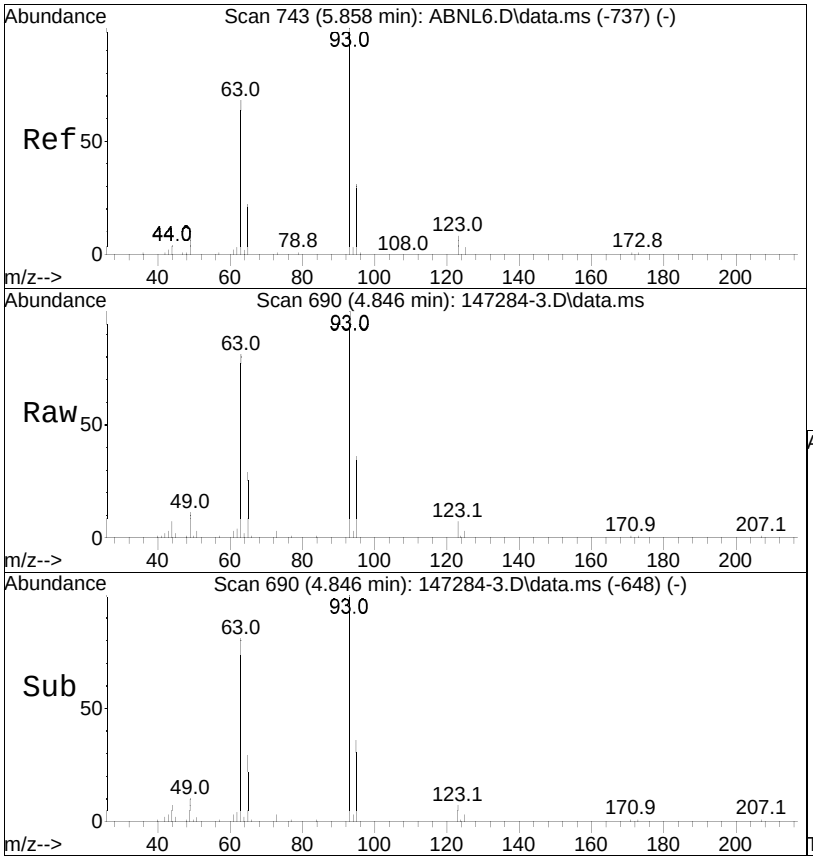


#23
2,4-Dimethylphenol
Concen: 1.24 ug/ml
RT: 4.775 min Scan# 678
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:107 Resp: 14074

Ion	Ratio	Lower	Upper
107	100		
121	39.5	41.3	61.9#
122	68.5	69.3	103.9#

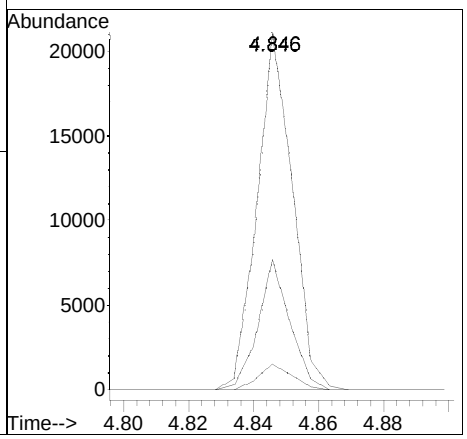


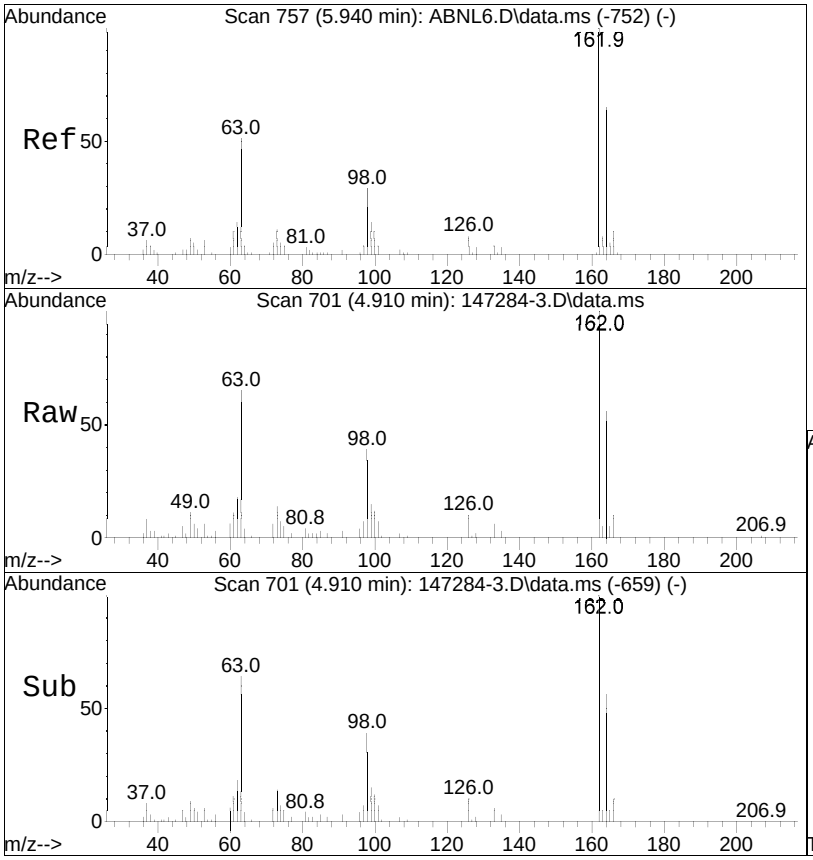


#24
Bis(2-chloroethoxy)methane
Concen: 1.16 ug/ml
RT: 4.846 min Scan# 690
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion: 93 Resp: 15710

Ion	Ratio	Lower	Upper
93	100		
95	33.1	25.8	38.8
123	7.0	9.6	14.4#

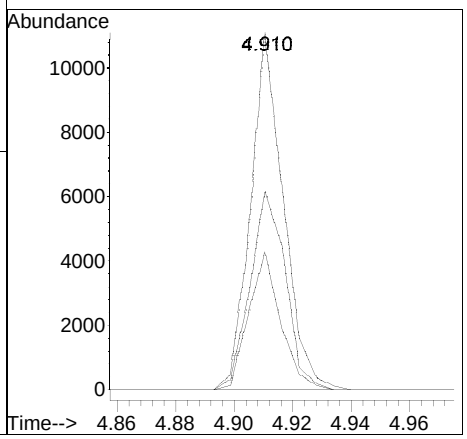


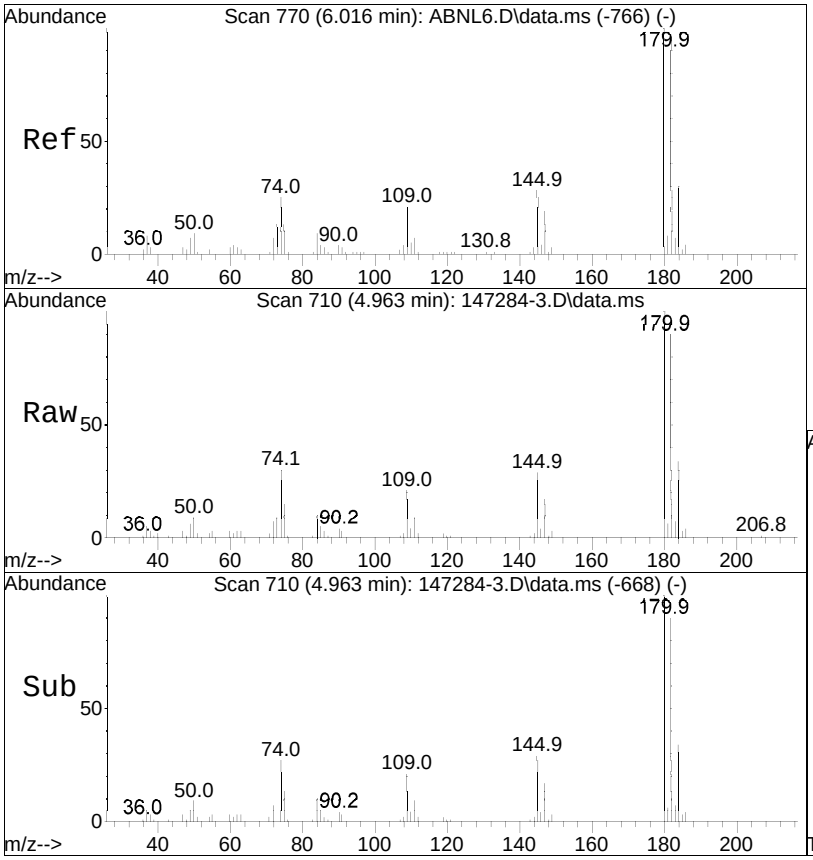


#25
2,4-Dichlorophenol
Concen: 0.85 ug/ml
RT: 4.910 min Scan# 701
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:162 Resp: 8545

Ion	Ratio	Lower	Upper
162	100		
164	59.9	51.1	76.7
98	37.9	32.2	48.2

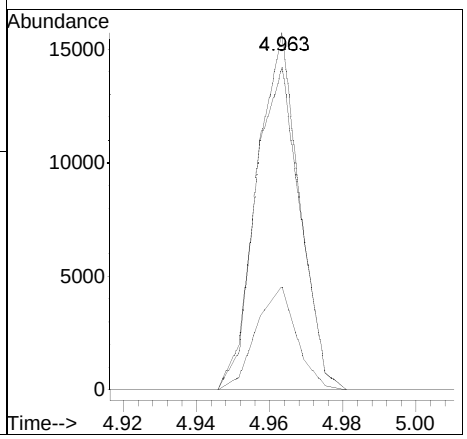


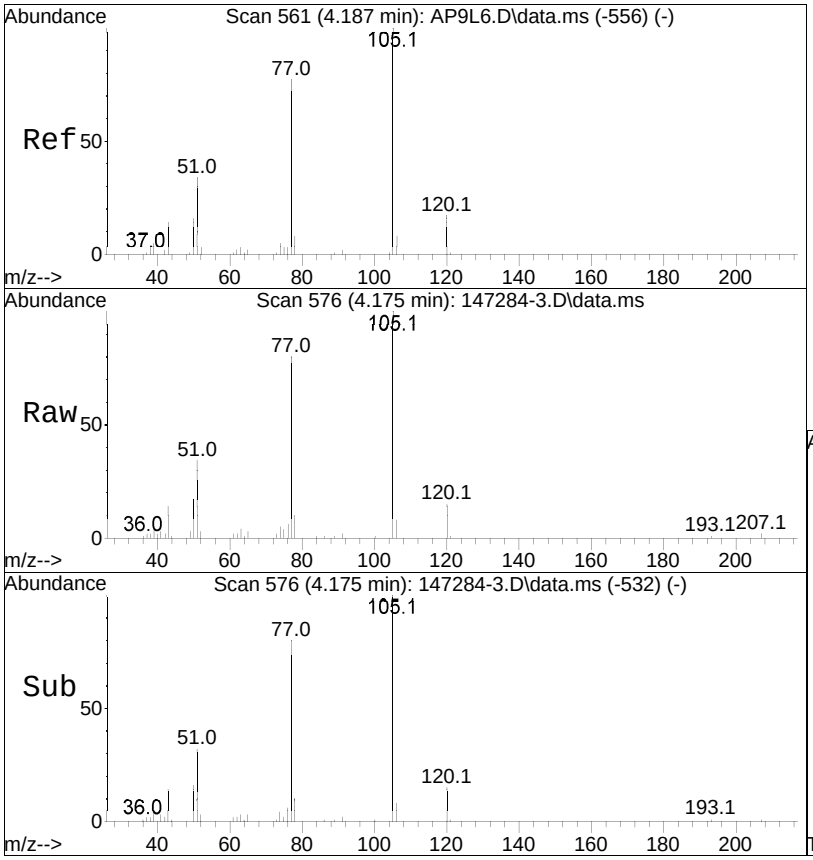


#26
1,2,4-Trichlorobenzene
Concen: 1.09 ug/ml
RT: 4.963 min Scan# 710
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:180 Resp: 12662

Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.8	113.8
145	27.5	26.3	39.5

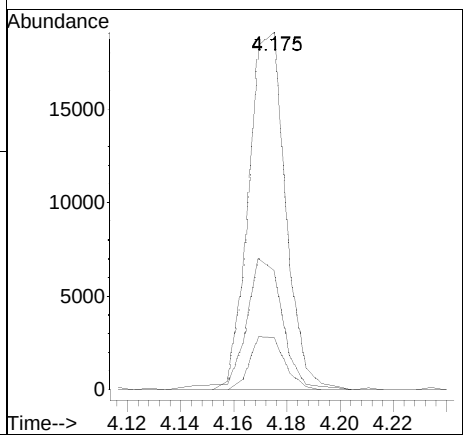


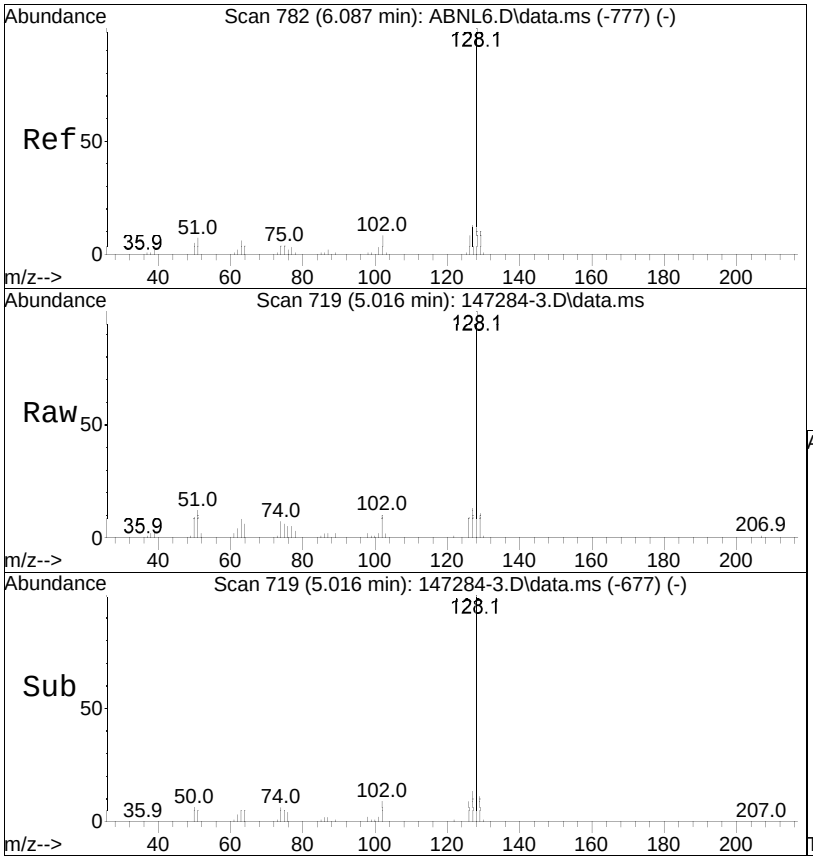


#29
Acetophenone
Concen: 1.23 ug/ml
RT: 4.175 min Scan# 576
Delta R.T. 0.006 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:105 Resp: 18251

Ion	Ratio	Lower	Upper
105	100		
120	13.9	15.2	22.8#
51	36.9	23.1	34.7#

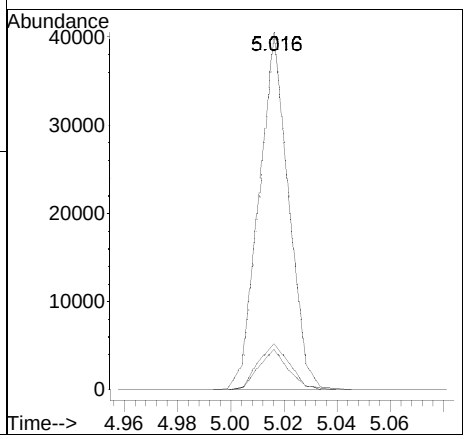


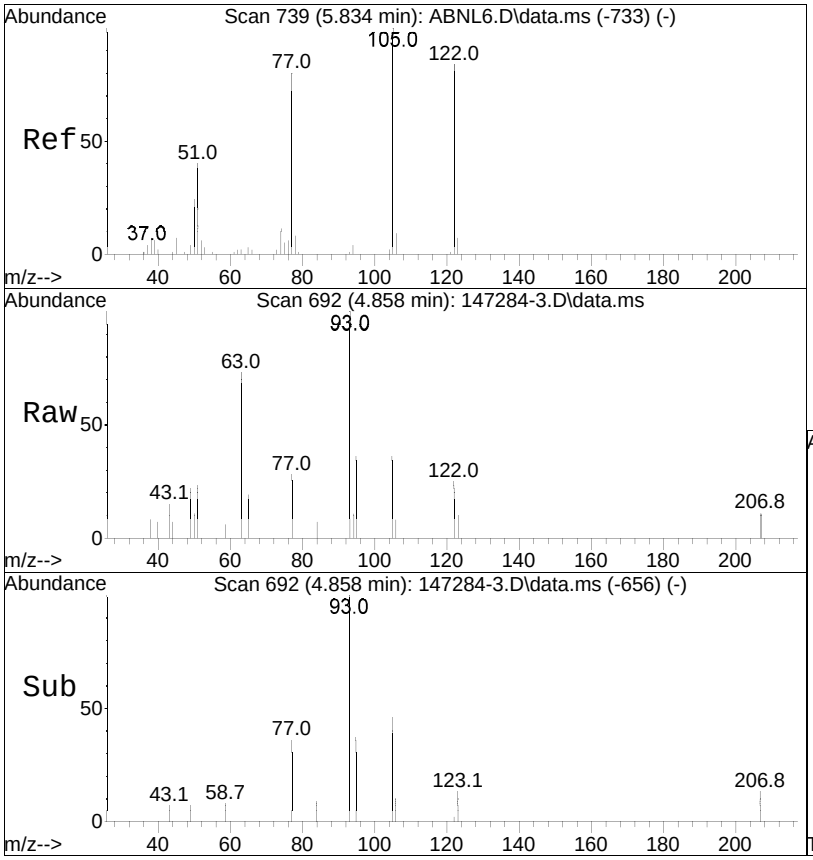


#36
Naphthalene
Concen: 1.04 ug/ml
RT: 5.016 min Scan# 719
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:128 Resp: 30972

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.9	10.6	15.8

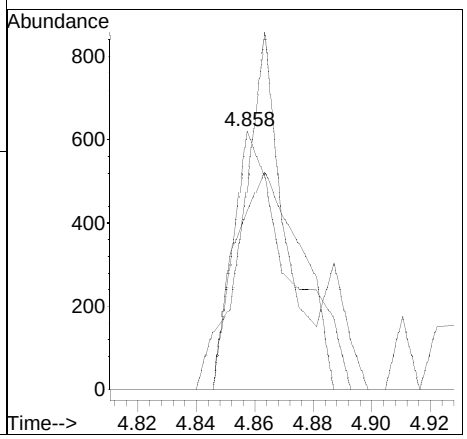


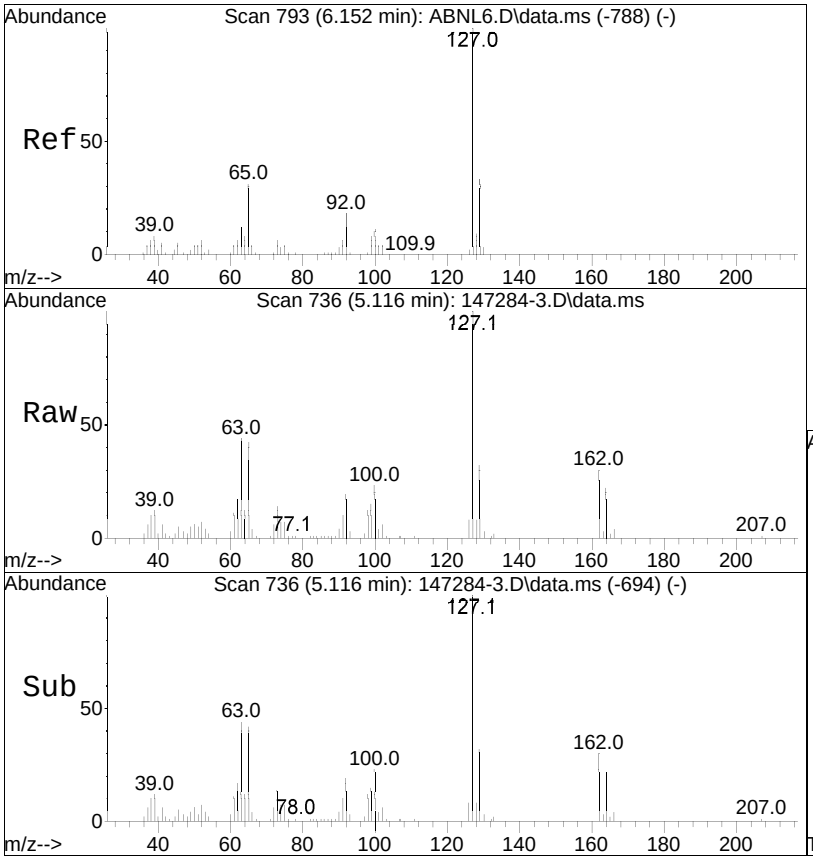


#37
Benzoic Acid
Concen: 1.55 ug/ml
RT: 4.858 min Scan# 692
Delta R.T. -0.035 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:105 Resp: 833

Ion	Ratio	Lower	Upper
105	100		
122	98.0	62.6	93.8#
77	120.9	59.1	88.7#

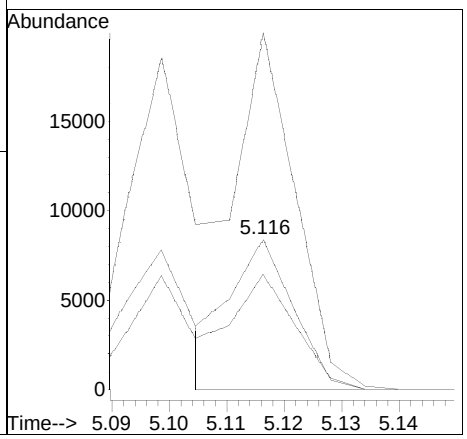


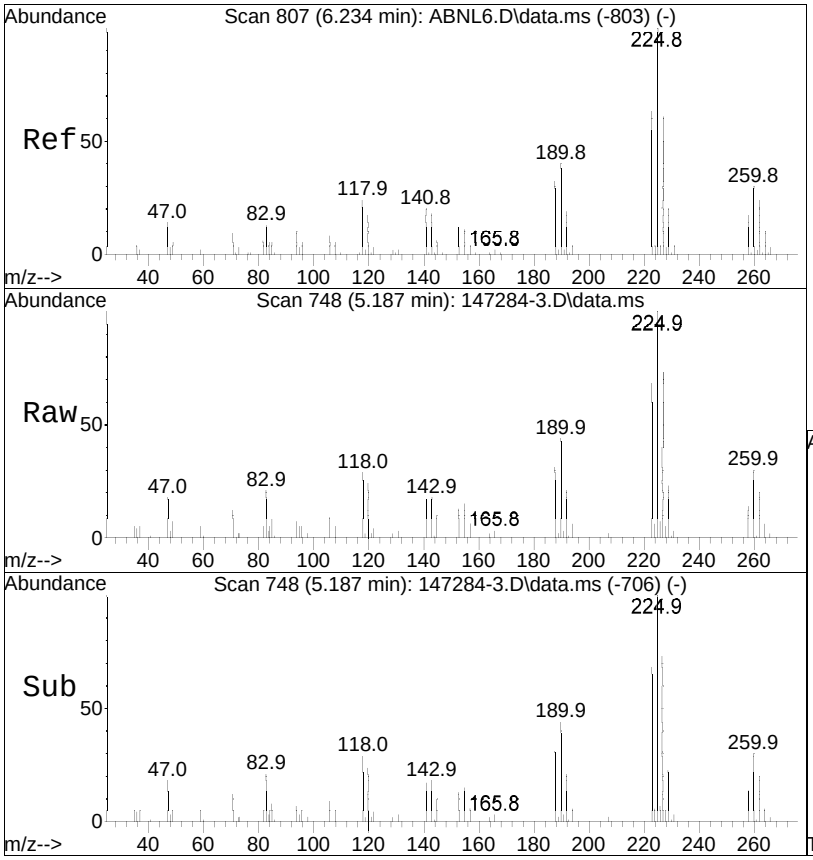


#38
4-Chloroaniline
Concen: 1.59 ug/ml M3
RT: 5.116 min Scan# 736
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion: 65 Resp: 6414

Ion	Ratio	Lower	Upper
65	100		
127	215.6	266.2	399.4#
129	71.9	85.0	127.4#

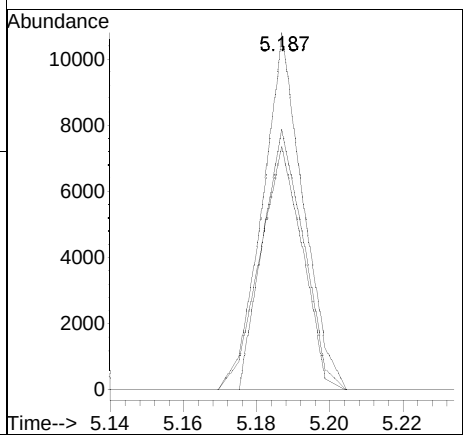


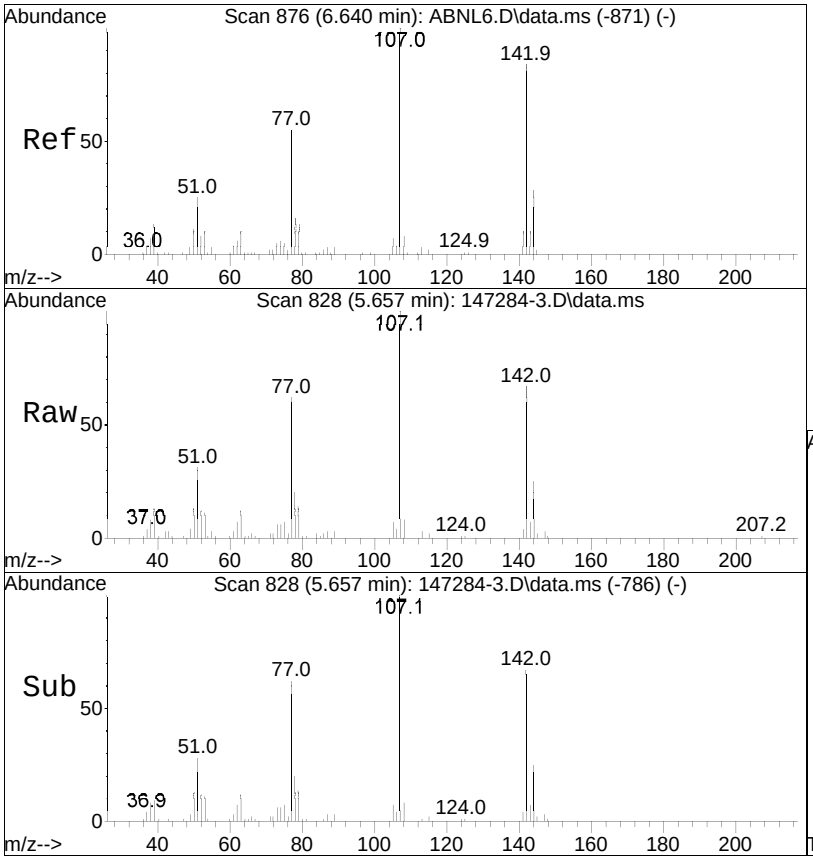


#39
Hexachlorobutadiene
Concen: 1.18 ug/ml
RT: 5.187 min Scan# 748
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:225 Resp: 8319

Ion	Ratio	Lower	Upper
225	100		
223	71.4	50.5	75.7
227	72.7	50.4	75.6

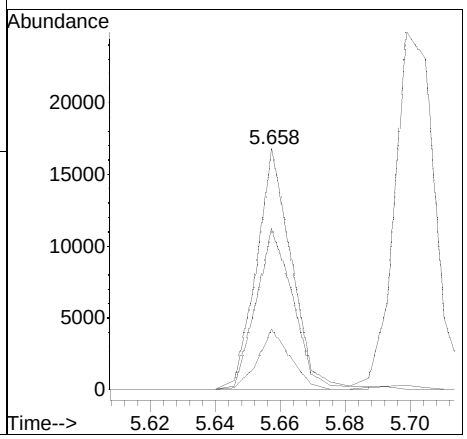


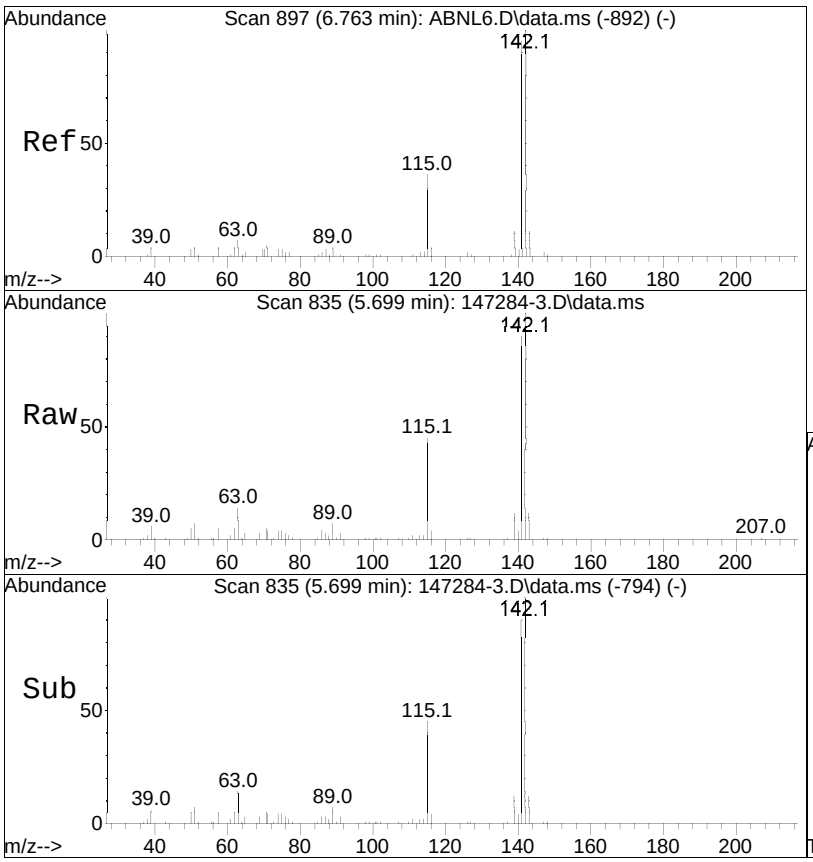


#40
p-Chloro-m-cresol
Concen: 1.37 ug/ml
RT: 5.657 min Scan# 828
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:107 Resp: 12593

Ion	Ratio	Lower	Upper
107	100		
144	23.4	20.3	30.5
142	70.5	63.8	95.6

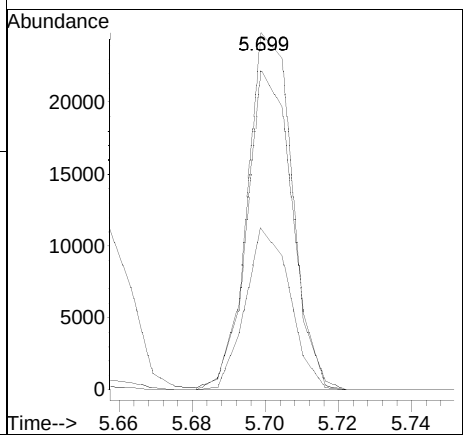


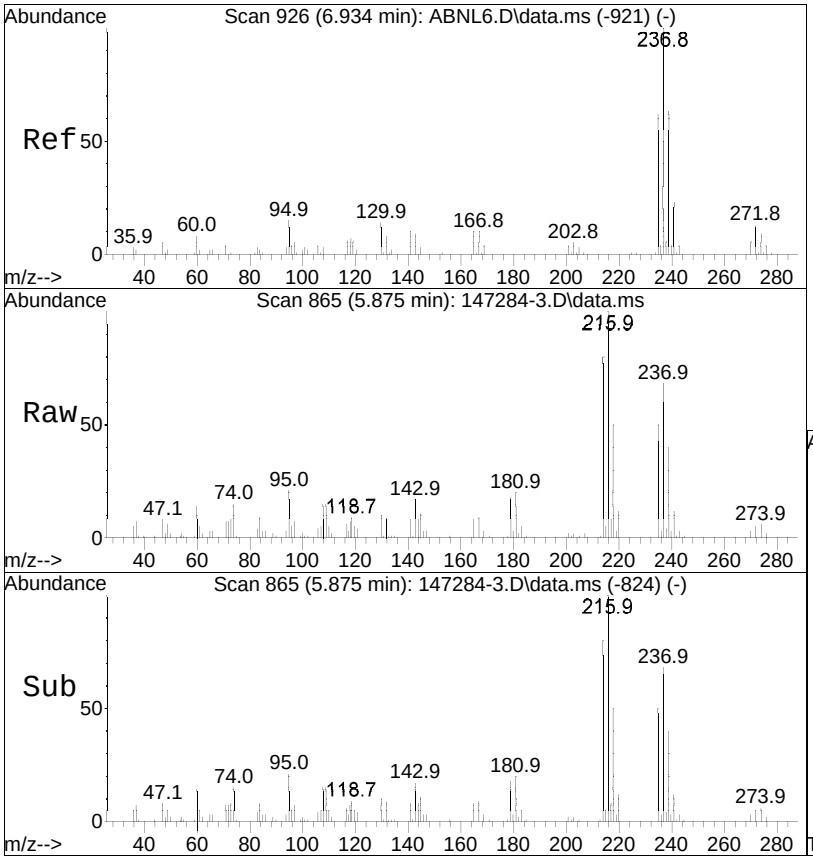


#41
2-Methylnaphthalene
Concen: 1.13 ug/ml
RT: 5.699 min Scan# 835
Delta R.T. -0.006 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:142 Resp: 21183

Ion	Ratio	Lower	Upper
142	100		
141	89.8	72.2	108.4
115	45.1	27.8	41.6#

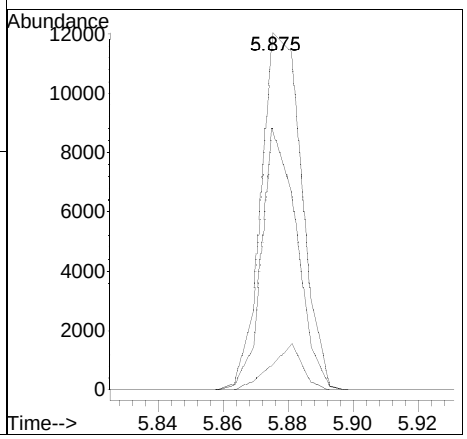


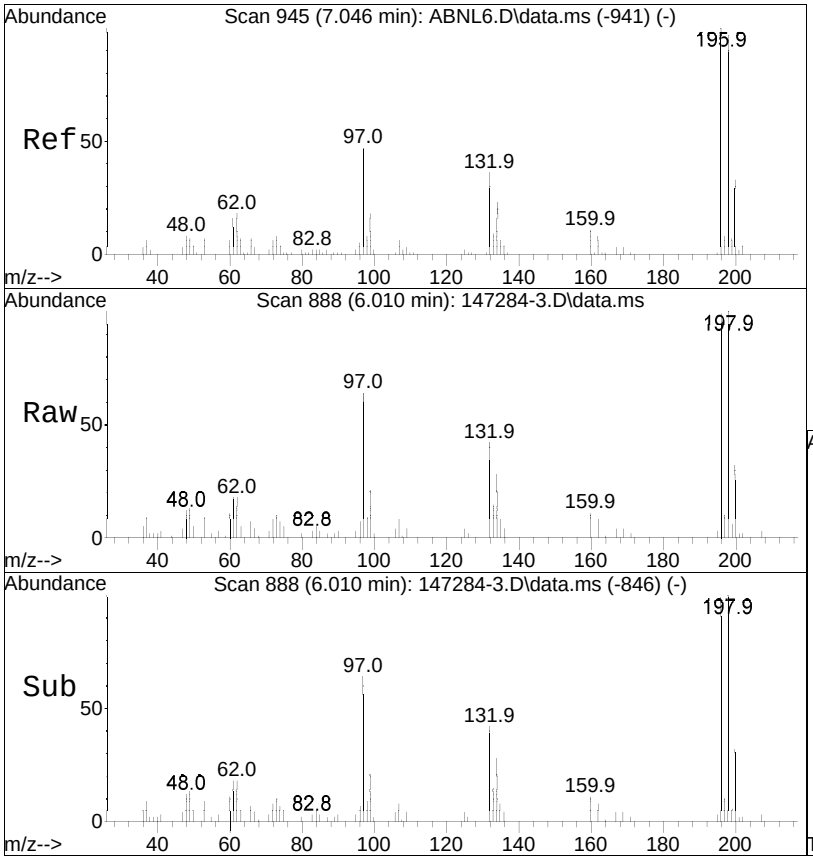


#43
Hexachlorocyclopentadiene
Concen: 1.49 ug/ml
RT: 5.875 min Scan# 865
Delta R.T. -0.006 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:237 Resp: 10415

Ion	Ratio	Lower	Upper
237	100		
235	63.4	50.9	76.3
272	10.1	10.1	15.1

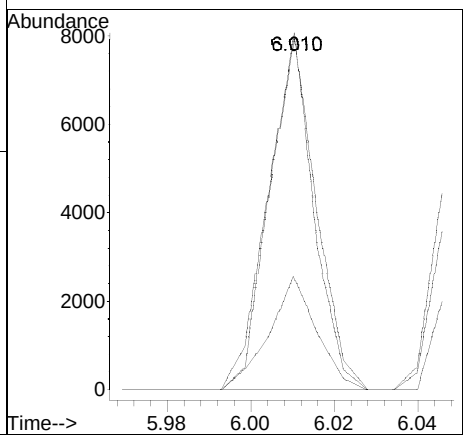


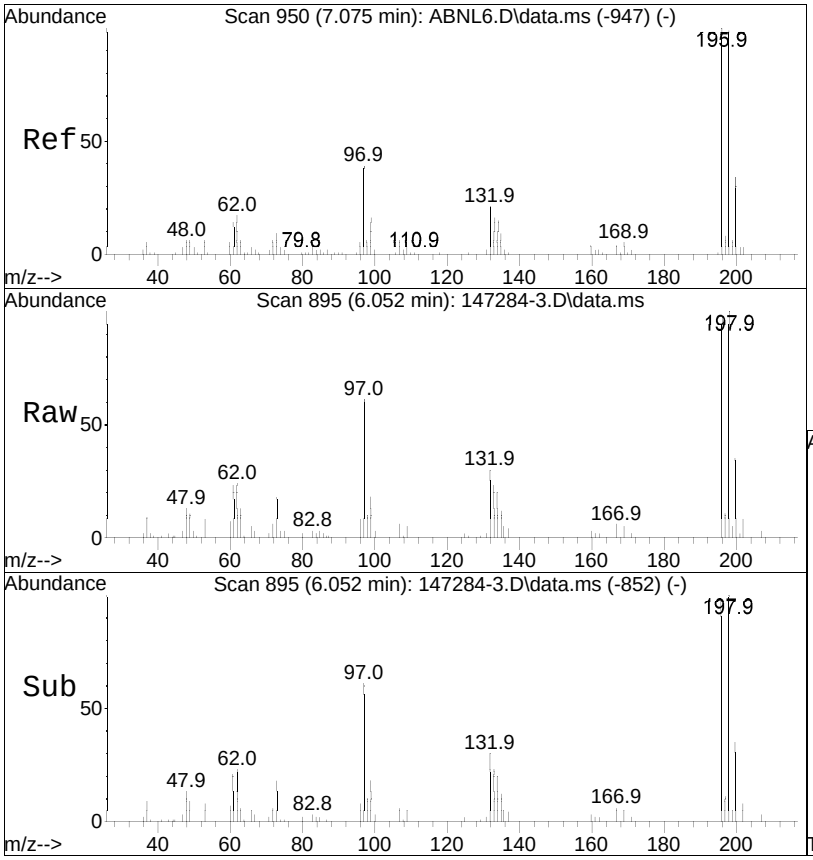


#44
2,4,6-Trichlorophenol
Concen: 0.84 ug/ml
RT: 6.010 min Scan# 888
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:196 Resp: 6135

Ion	Ratio	Lower	Upper
196	100		
198	98.7	76.4	114.6
200	33.1	24.4	36.6

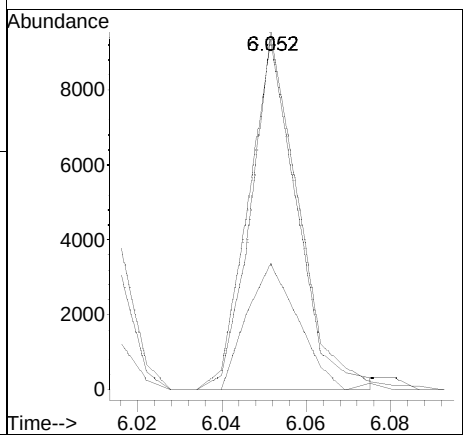


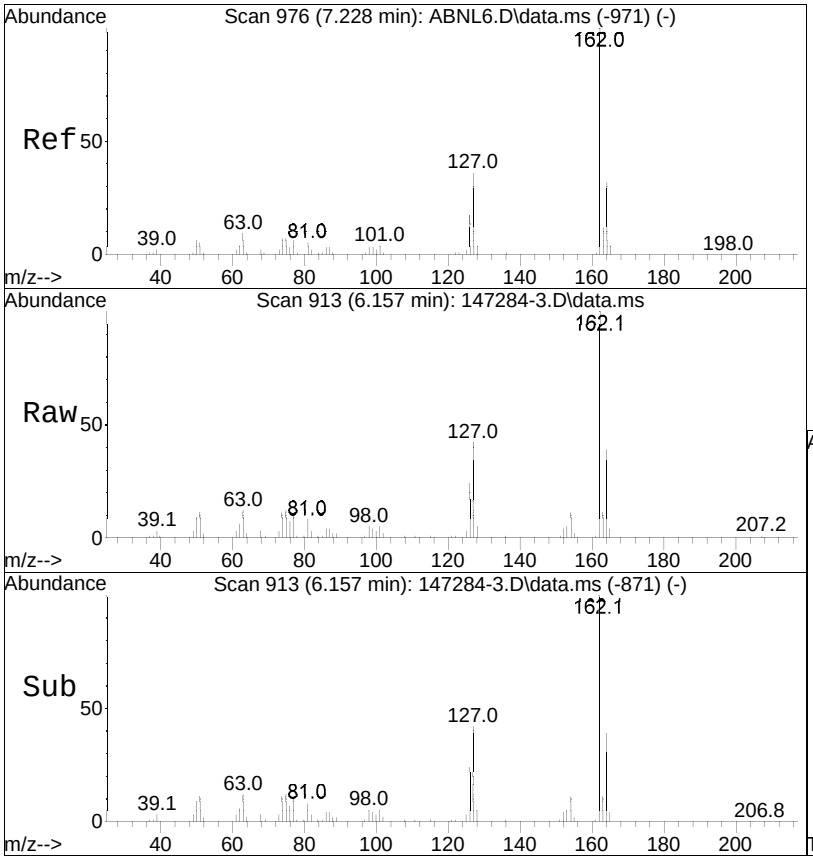


#45
2,4,5-Trichlorophenol
Concen: 1.00 ug/ml M3
RT: 6.052 min Scan# 895
Delta R.T. 0.006 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:196 Resp: 7470

Ion	Ratio	Lower	Upper
196	100		
200	27.2	24.2	36.4
198	81.1	76.2	114.2

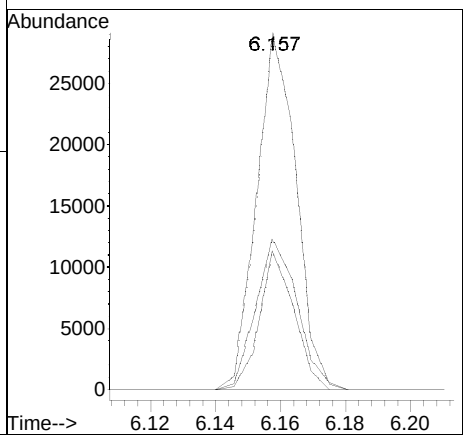


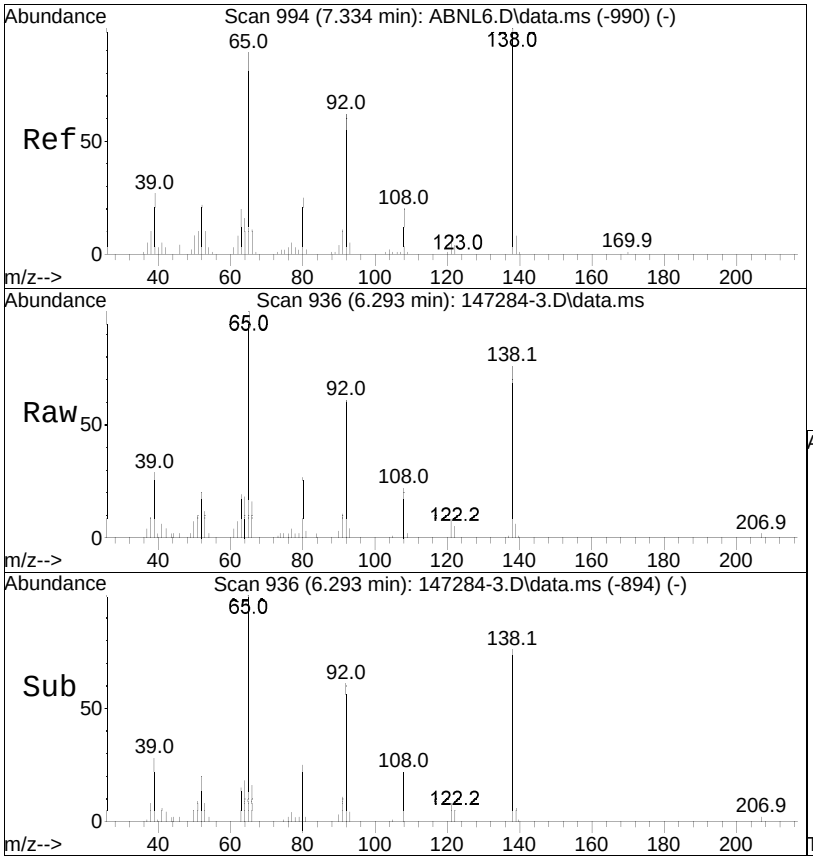


#47
2-Chloronaphthalene
Concen: 1.11 ug/ml
RT: 6.157 min Scan# 913
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:162 Resp: 24291

Ion	Ratio	Lower	Upper
162	100		
127	44.7	33.8	50.6
164	34.3	25.8	38.6

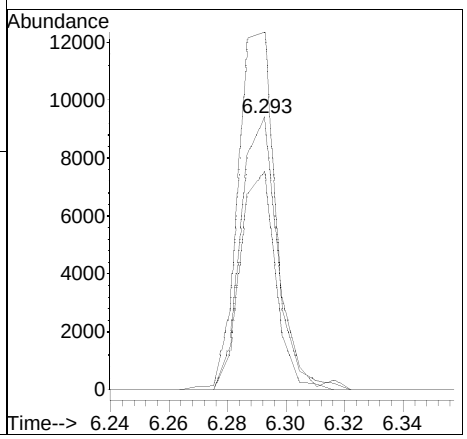


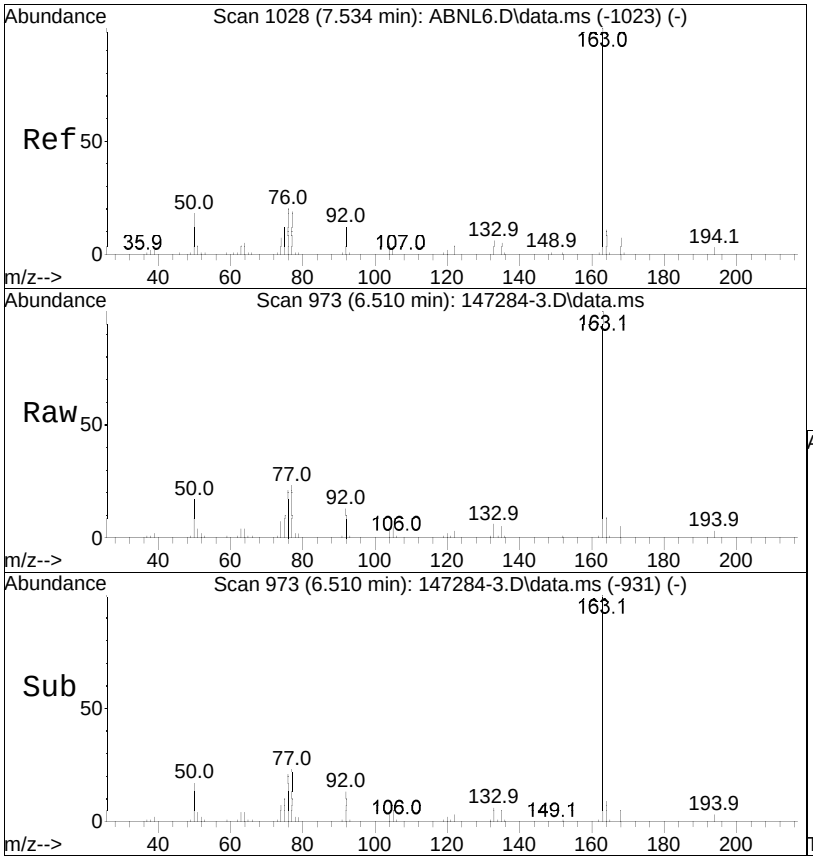


#48
2-Nitroaniline
Concen: 1.39 ug/ml
RT: 6.293 min Scan# 936
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:138 Resp: 8263

Ion	Ratio	Lower	Upper
138	100		
92	76.5	52.1	78.1
65	133.8	75.9	113.9#

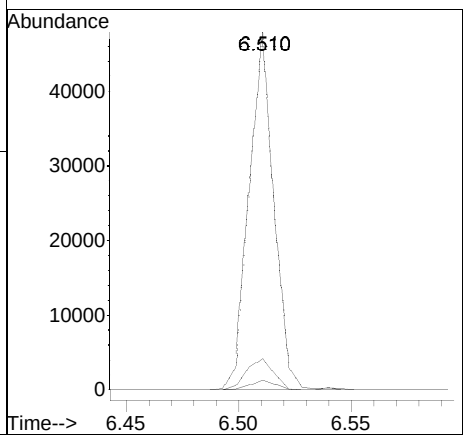


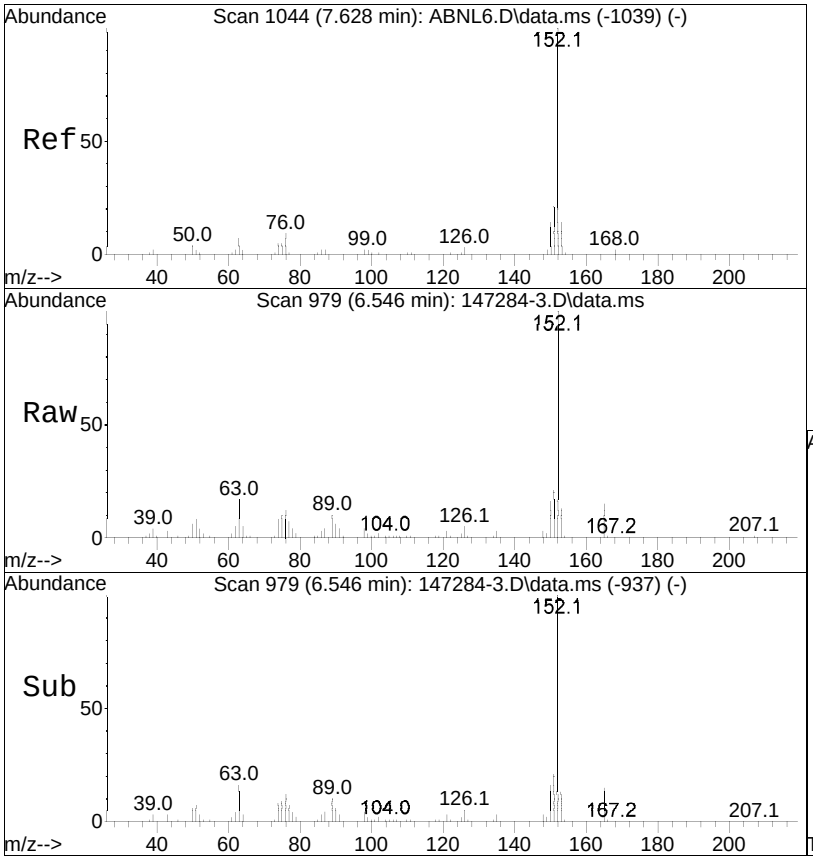


#51
Dimethyl phthalate
Concen: 1.31 ug/ml
RT: 6.510 min Scan# 973
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:163 Resp: 36447

Ion	Ratio	Lower	Upper
163	100		
194	2.8	2.3	3.5
164	9.6	8.2	12.2

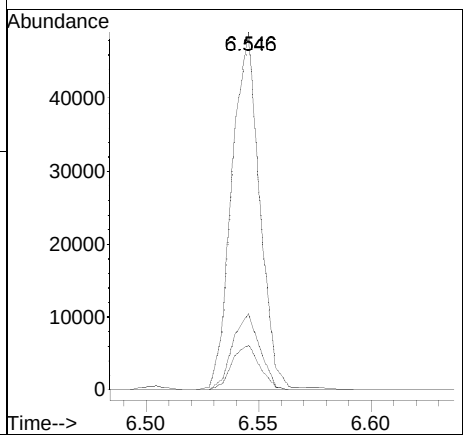


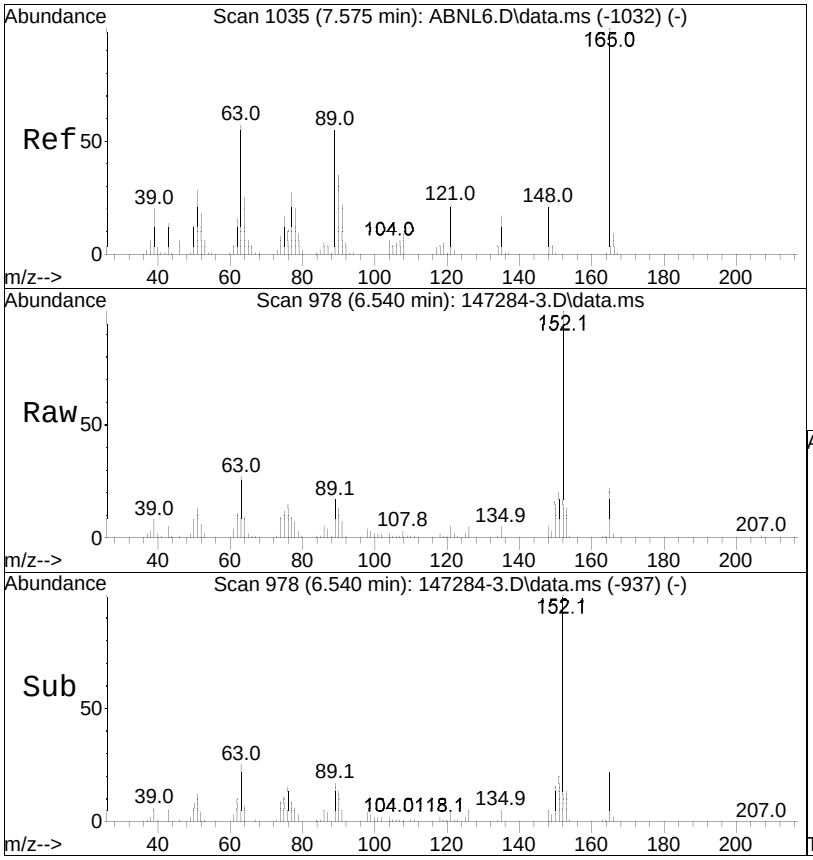


#52
Acenaphthylene
Concen: 1.17 ug/ml
RT: 6.546 min Scan# 979
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:152 Resp: 41994

Ion	Ratio	Lower	Upper
152	100		
151	21.0	15.9	23.9
153	12.6	10.5	15.7

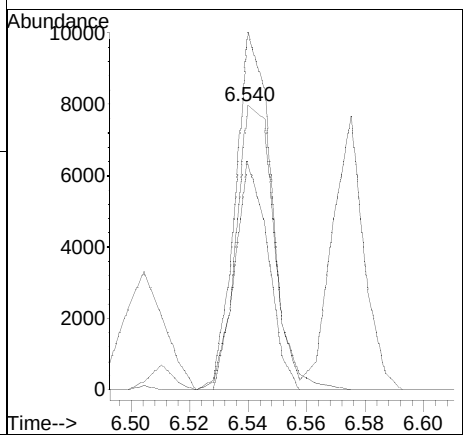


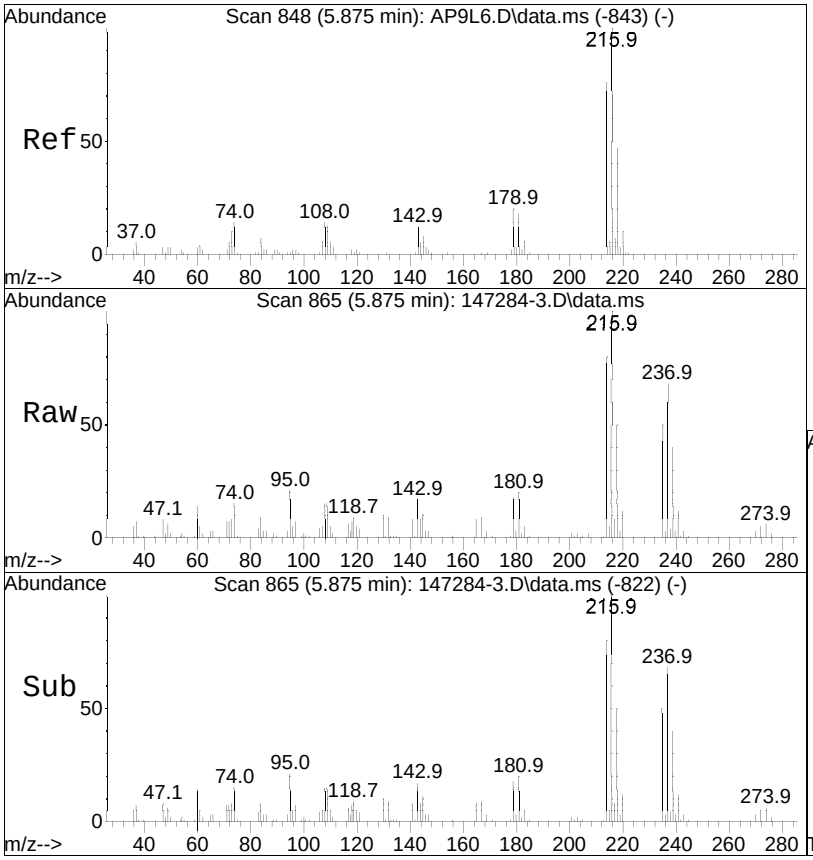


#53
2,6-Dinitrotoluene
Concen: 1.38 ug/ml
RT: 6.540 min Scan# 978
Delta R.T. -0.006 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:165 Resp: 7188

Ion	Ratio	Lower	Upper
165	100		
89	71.3	48.8	73.2
63	118.1	50.5	75.7#

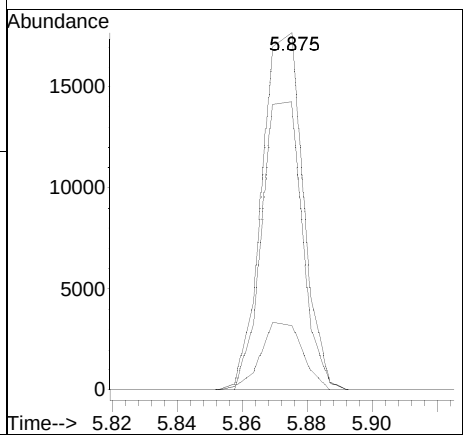


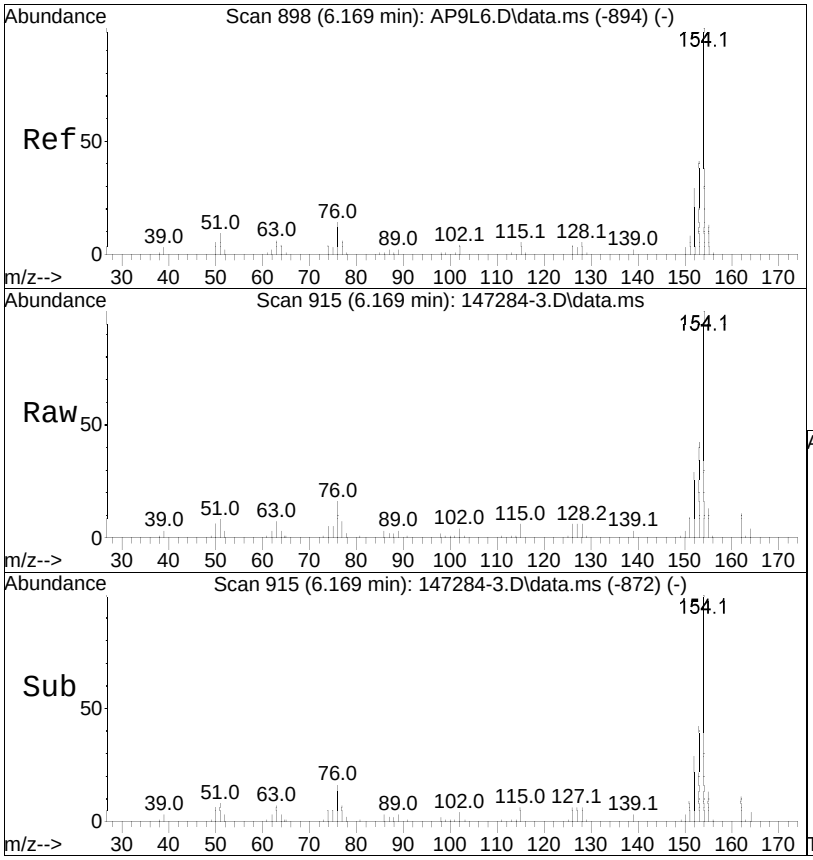


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.26 ug/ml
RT: 5.875 min Scan# 865
Delta R.T. 0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:216 Resp: 15594

Ion	Ratio	Lower	Upper
216	100		
214	79.2	64.0	96.0
179	19.3	18.7	28.1

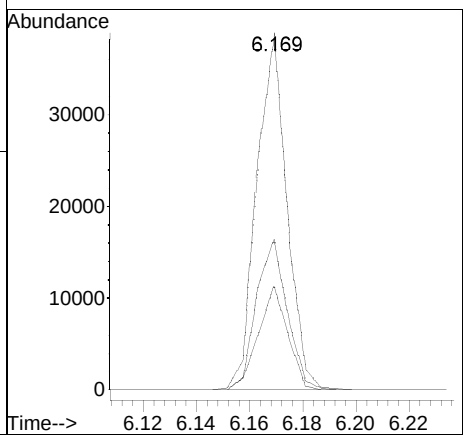


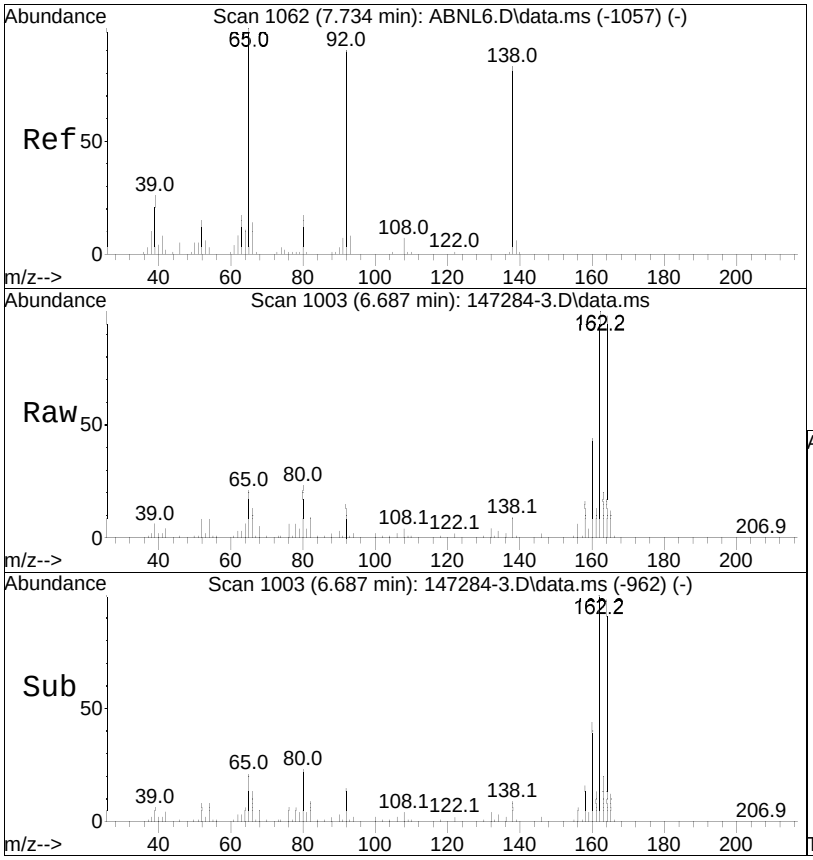


#62
Biphenyl
Concen: 1.11 ug/ml
RT: 6.169 min Scan# 915
Delta R.T. 0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:154 Resp: 30309

Ion	Ratio	Lower	Upper
154	100		
153	43.3	32.5	48.7
152	28.6	22.6	34.0

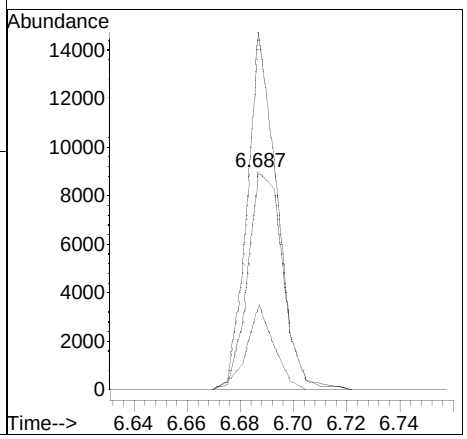


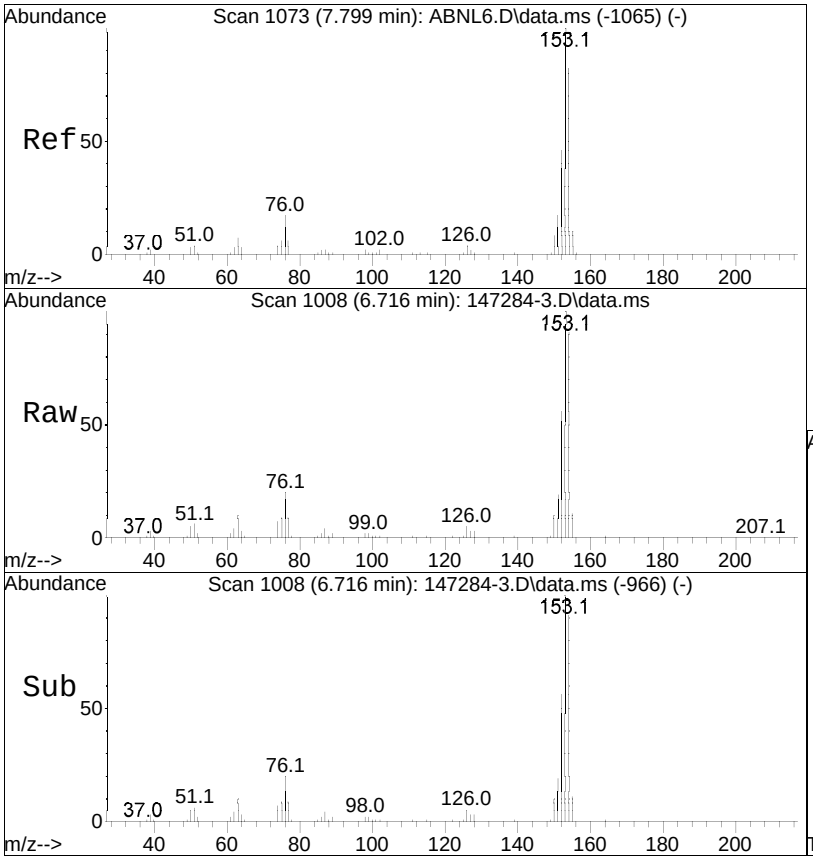


#64
3-Nitroaniline
Concen: 1.44 ug/ml
RT: 6.687 min Scan# 1003
Delta R.T. -0.006 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:138 Resp: 8219

Ion	Ratio	Lower	Upper
138	100		
92	138.2	92.8	139.2
108	30.6	7.9	11.9#

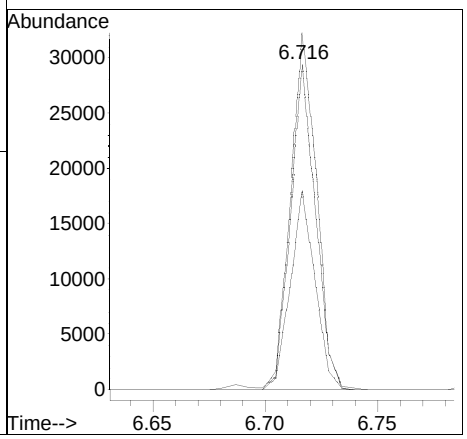


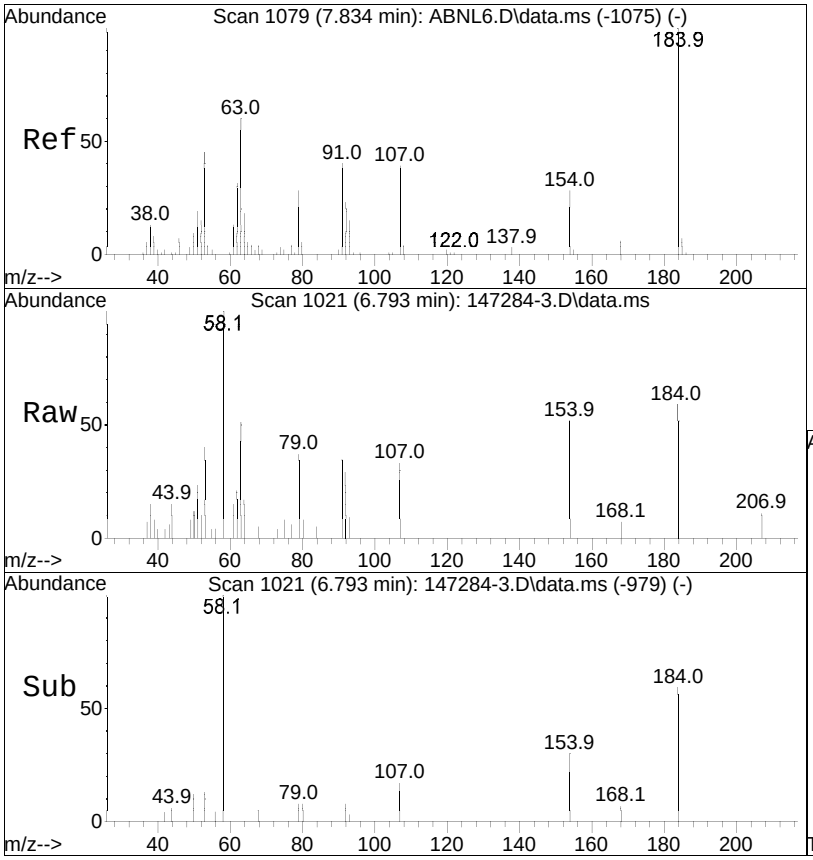


#65
Acenaphthene
Concen: 1.12 ug/ml
RT: 6.716 min Scan# 1008
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:154 Resp: 22928

Ion	Ratio	Lower	Upper
154	100		
153	113.0	93.0	139.4
152	60.1	43.3	64.9

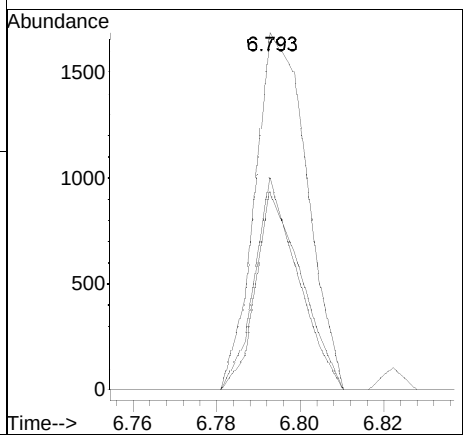


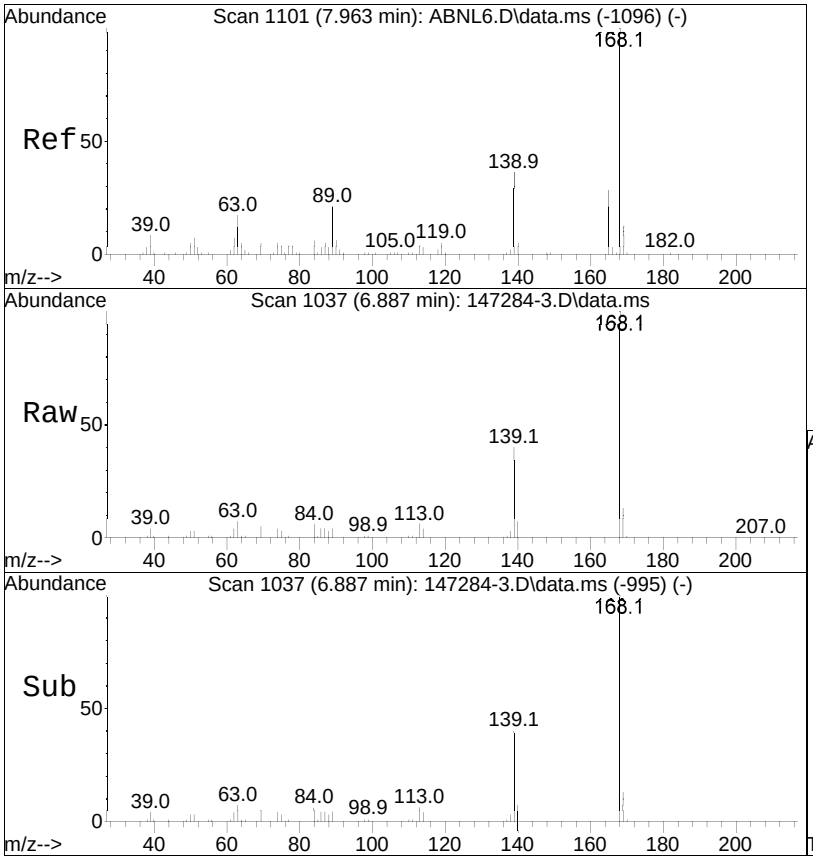


#66
2,4-Dinitrophenol
Concen: 1.18 ug/ml
RT: 6.793 min Scan# 1021
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:184 Resp: 1450

Ion	Ratio	Lower	Upper
184	100		
107	48.8	41.8	62.6
91	49.5	44.2	66.2

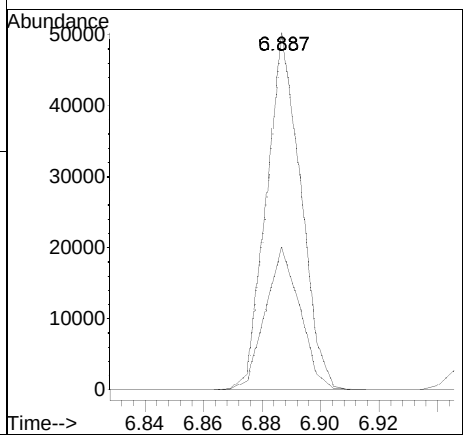


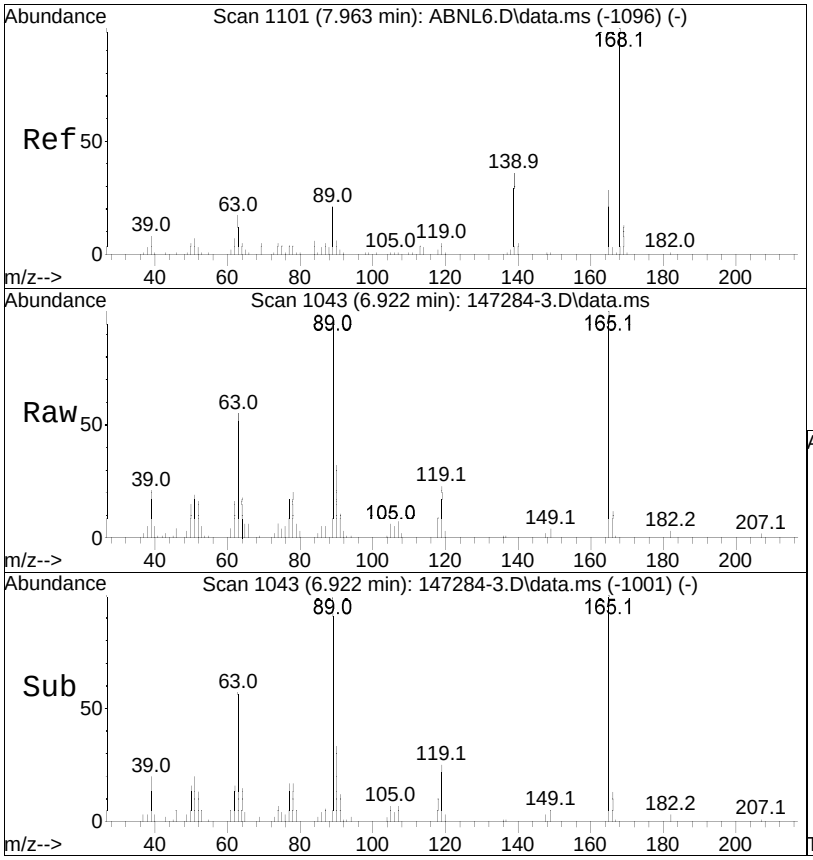


#67
Dibenzofuran
Concen: 1.19 ug/ml
RT: 6.887 min Scan# 1037
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:168 Resp: 40440

Ion	Ratio	Lower	Upper
168	100		
139	40.6	32.3	48.5

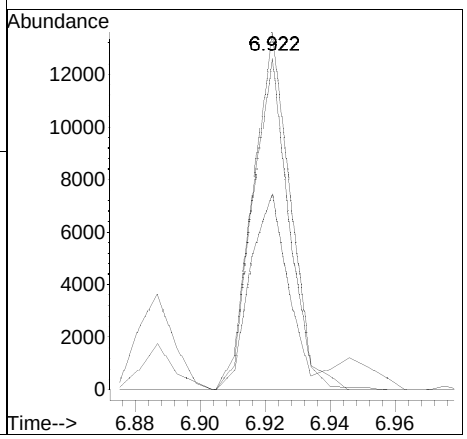


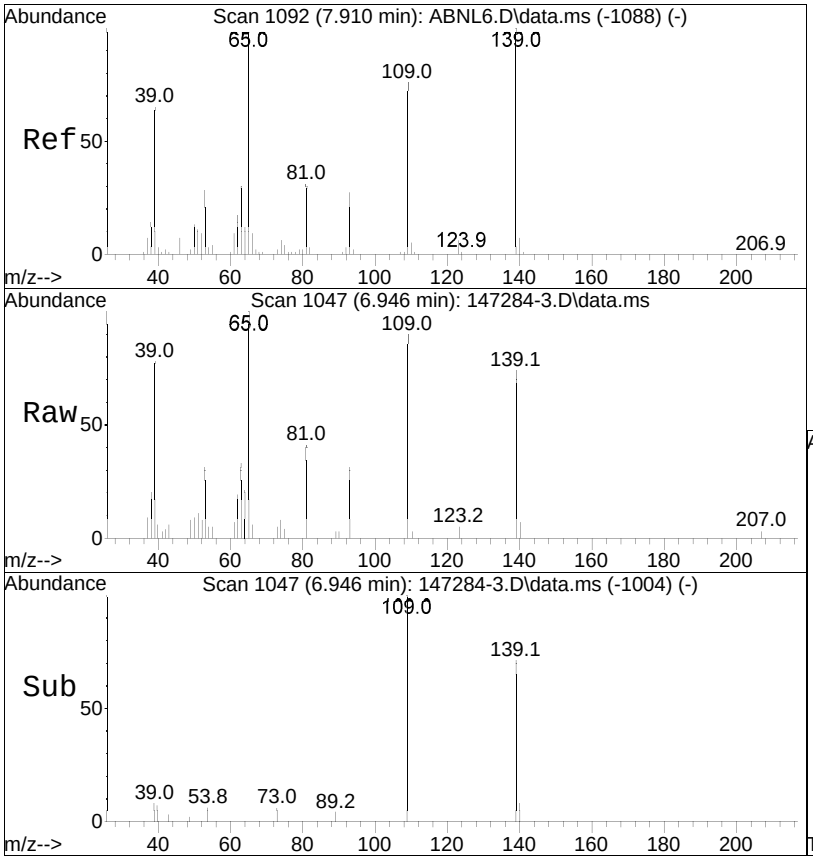


#68
2,4-Dinitrotoluene
Concen: 1.49 ug/ml
RT: 6.922 min Scan# 1043
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:165 Resp: 10907

Ion	Ratio	Lower	Upper
165	100		
89	89.6	73.0	109.4
63	58.1	56.3	84.5

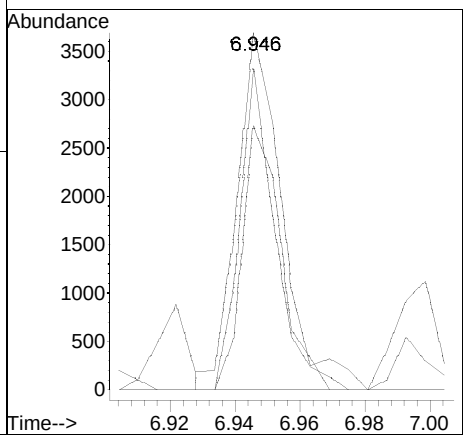


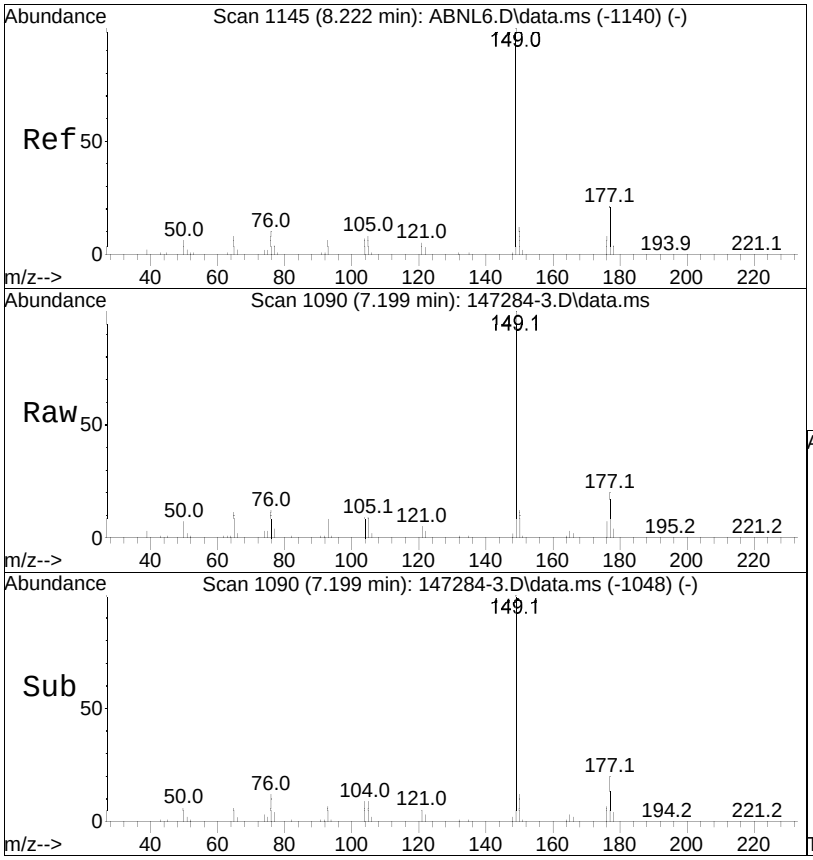


#69
4-Nitrophenol
Concen: 0.88 ug/ml
RT: 6.946 min Scan# 1047
Delta R.T. 0.006 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion: 65 Resp: 3560

Ion	Ratio	Lower	Upper
65	100		
109	70.3	60.2	90.2
139	63.8	81.1	121.7#

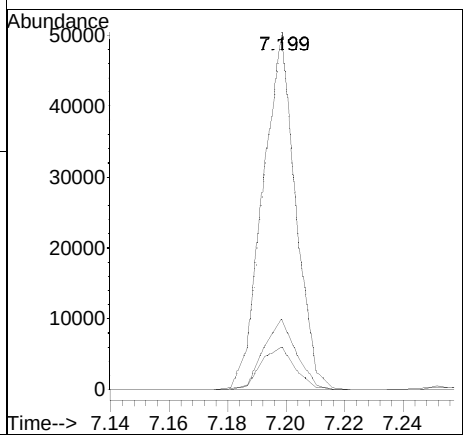


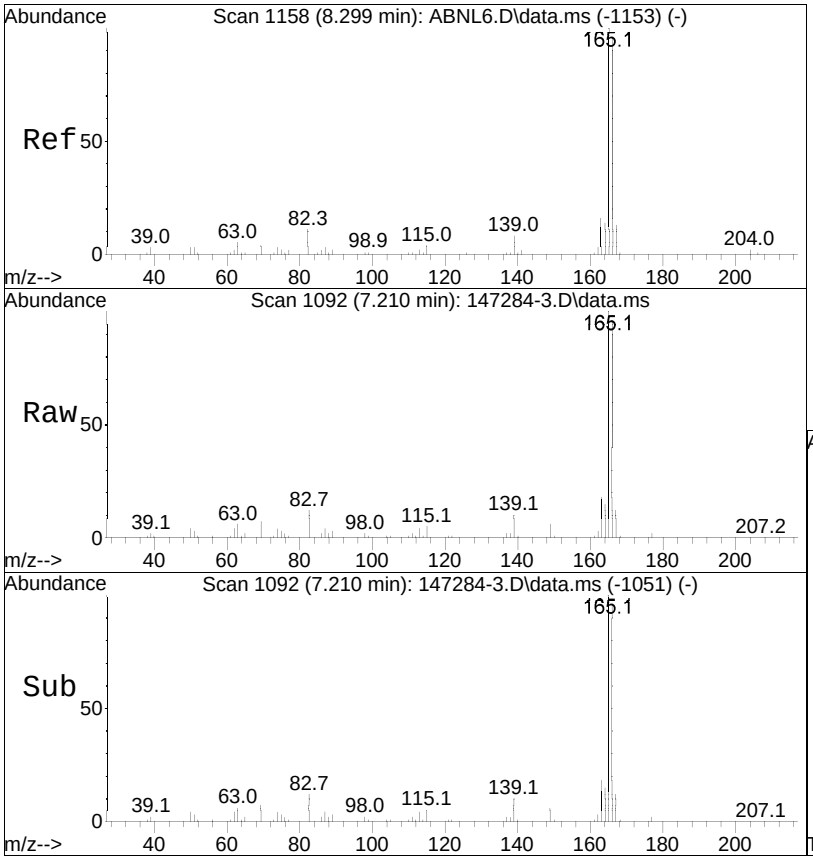


#72
Diethyl phthalate
Concen: 1.34 ug/ml
RT: 7.199 min Scan# 1090
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:149 Resp: 38848

Ion	Ratio	Lower	Upper
149	100		
177	20.2	15.0	22.6
150	12.9	9.8	14.6

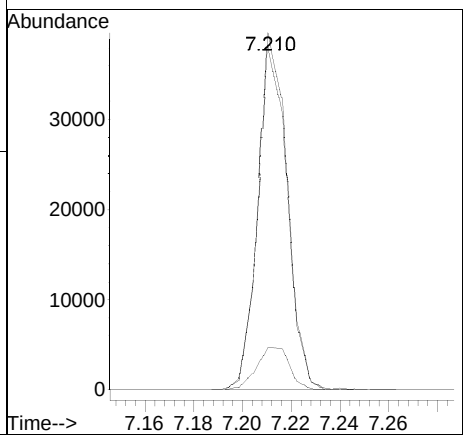


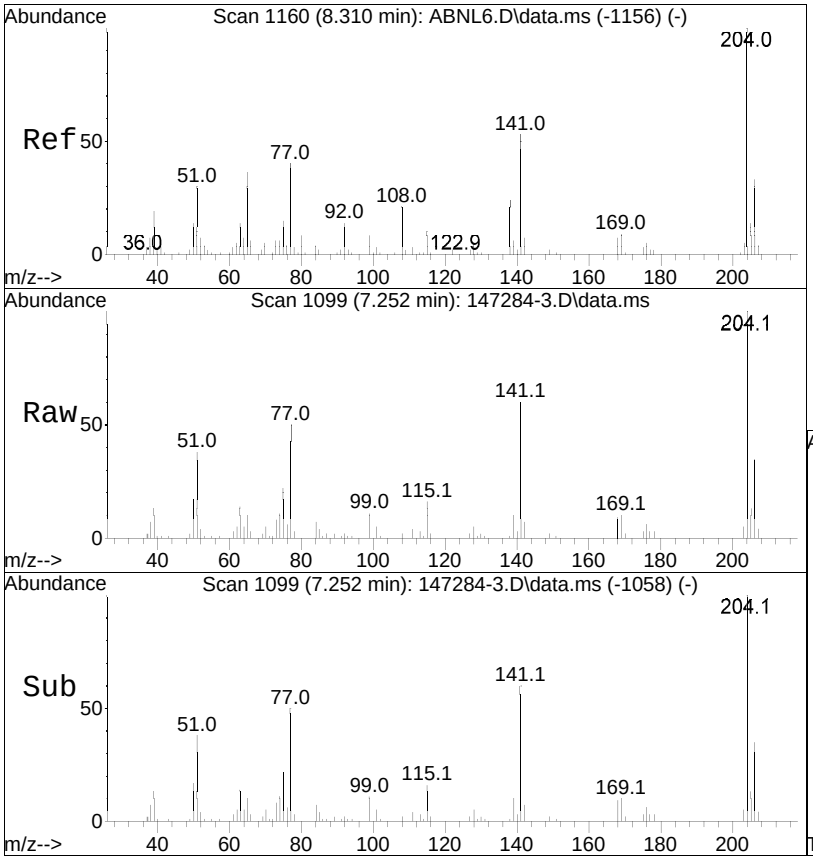


#73
Fluorene
Concen: 1.15 ug/ml
RT: 7.210 min Scan# 1092
Delta R.T. -0.006 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:166 Resp: 31815

Ion	Ratio	Lower	Upper
166	100		
165	104.5	80.0	120.0
167	14.1	10.7	16.1

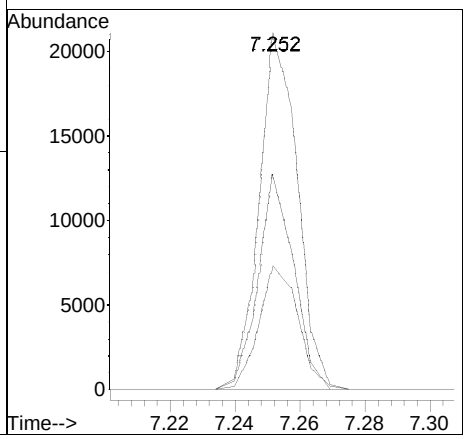


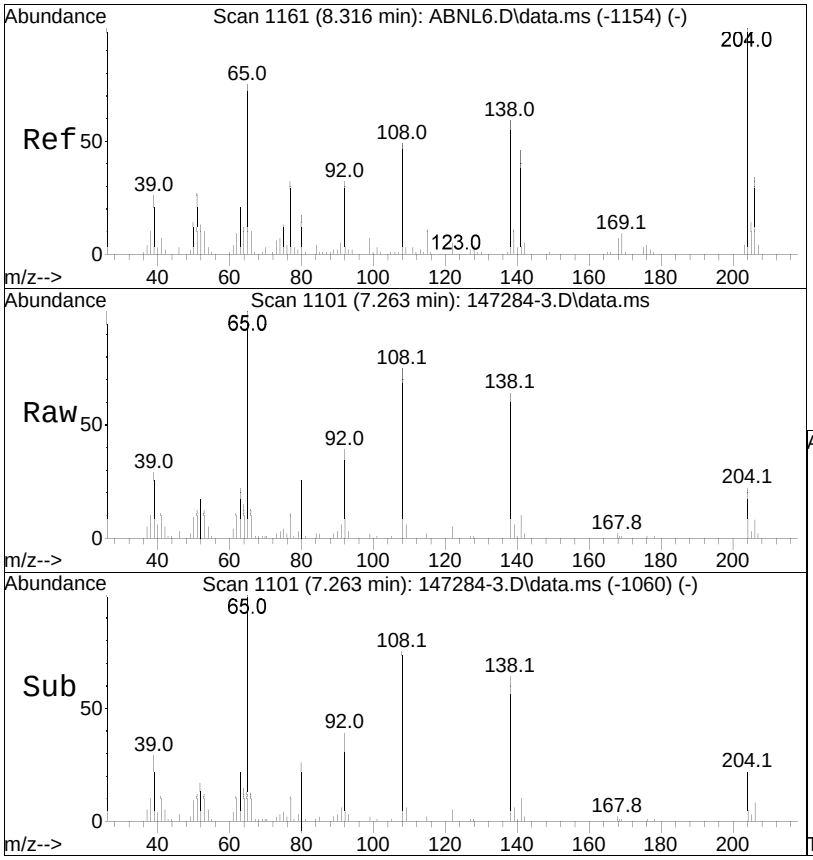


#74
4-Chlorophenyl phenyl ether
Concen: 1.18 ug/ml
RT: 7.252 min Scan# 1099
Delta R.T. -0.006 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:204 Resp: 17051

Ion	Ratio	Lower	Upper
204	100		
206	35.9	26.3	39.5
141	56.4	58.4	87.6#

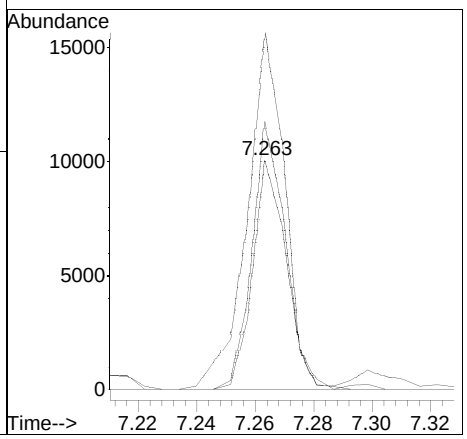


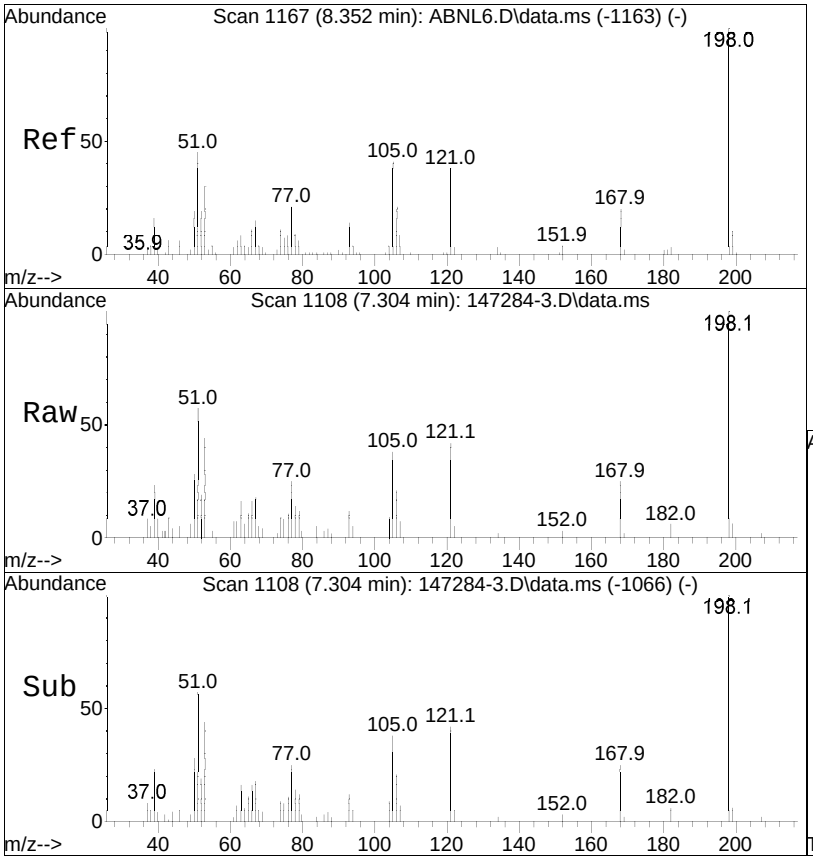


#75
4-Nitroaniline
Concen: 1.40 ug/ml
RT: 7.263 min Scan# 1101
Delta R.T. -0.006 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:138 Resp: 7992

Ion	Ratio	Lower	Upper
138	100		
108	117.5	59.2	88.8#
65	173.6	97.6	146.4#

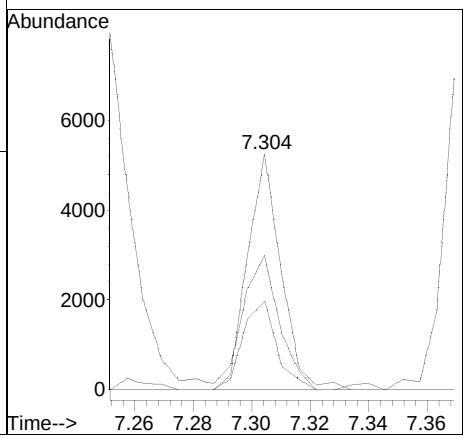


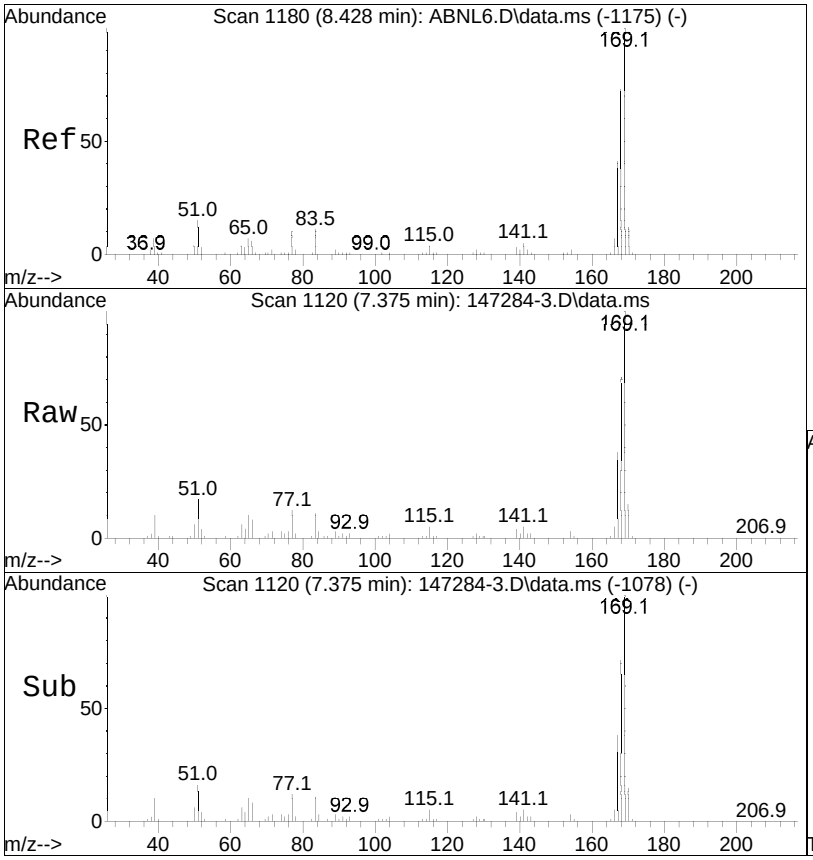


#76
4,6-Dinitro-o-cresol
Concen: 1.31 ug/ml
RT: 7.304 min Scan# 1108
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:198 Resp: 4188

Ion	Ratio	Lower	Upper
198	100		
51	62.3	49.9	74.9
105	38.3	45.8	68.6#

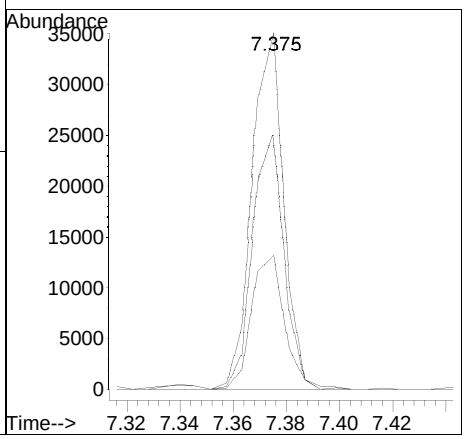


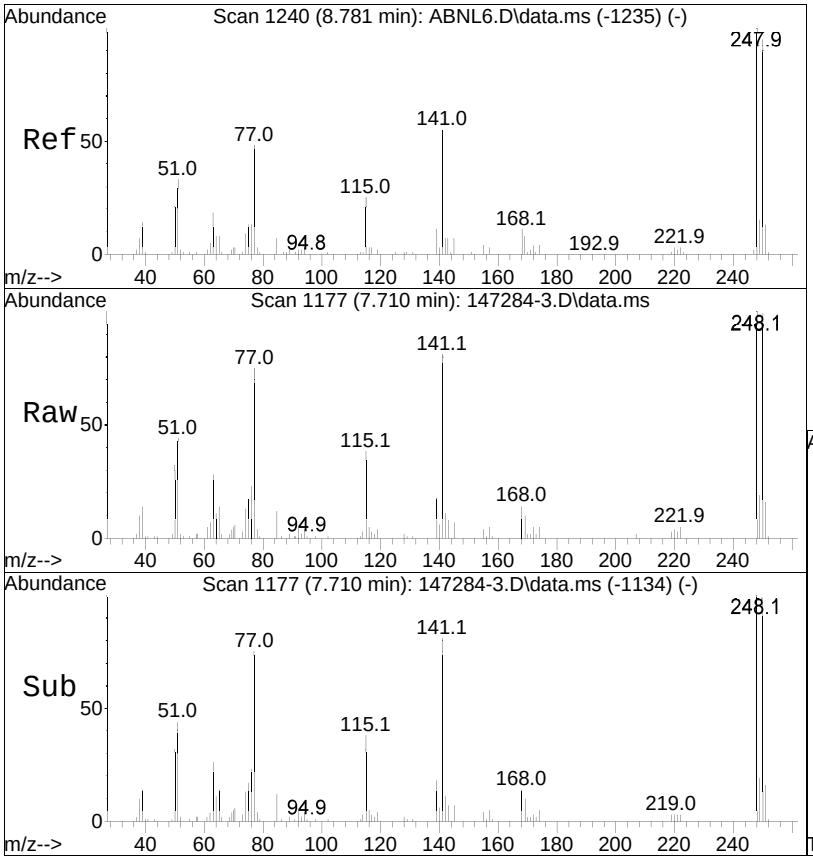


#77
NDPA/DPA
Concen: 1.26 ug/ml
RT: 7.375 min Scan# 1120
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:169 Resp: 29070

Ion	Ratio	Lower	Upper
169	100		
168	70.8	55.2	82.8
167	39.2	30.4	45.6

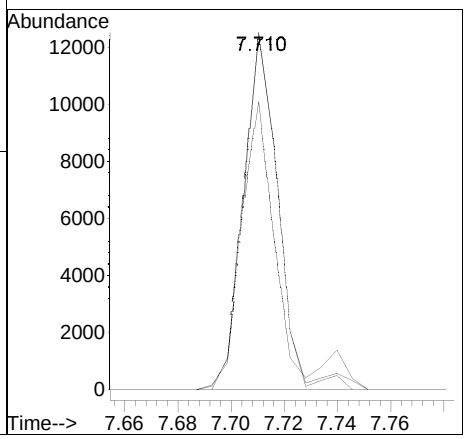


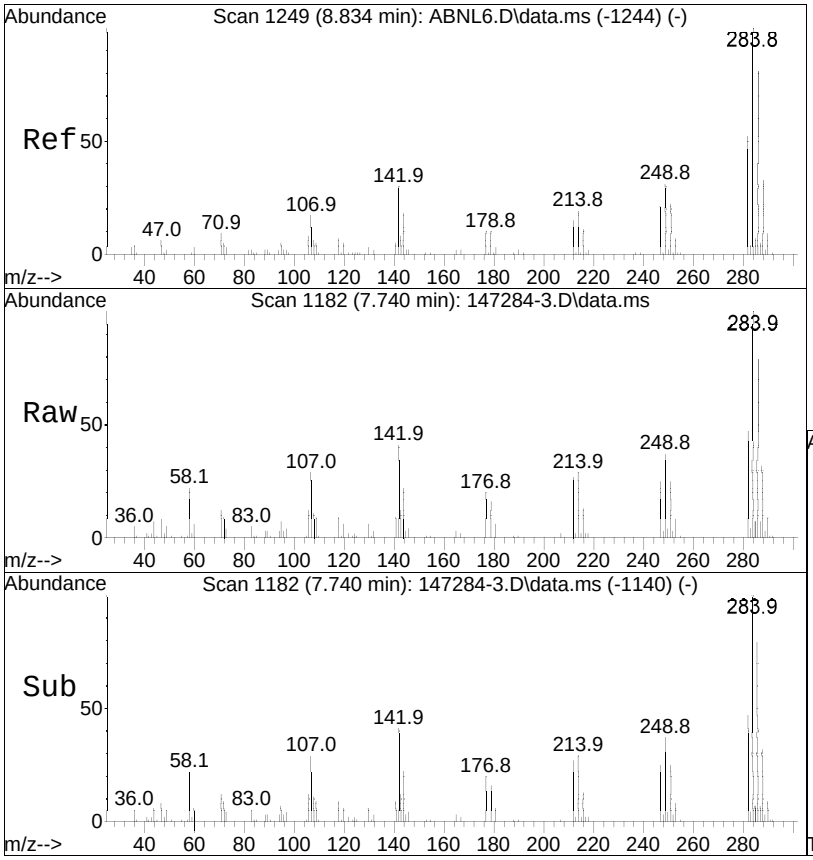


#80
4-Bromophenyl phenyl ether
Concen: 1.18 ug/ml
RT: 7.710 min Scan# 1177
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:248 Resp: 11188

Ion	Ratio	Lower	Upper
248	100		
141	76.7	74.6	111.8
250	97.7	76.9	115.3

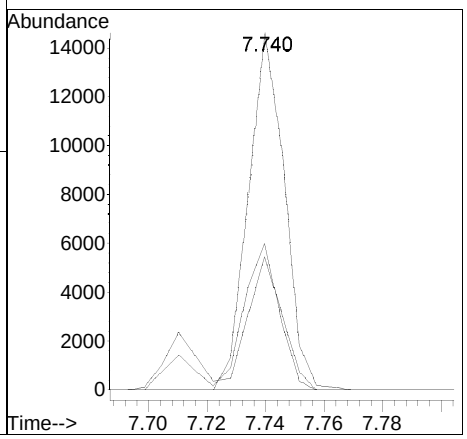


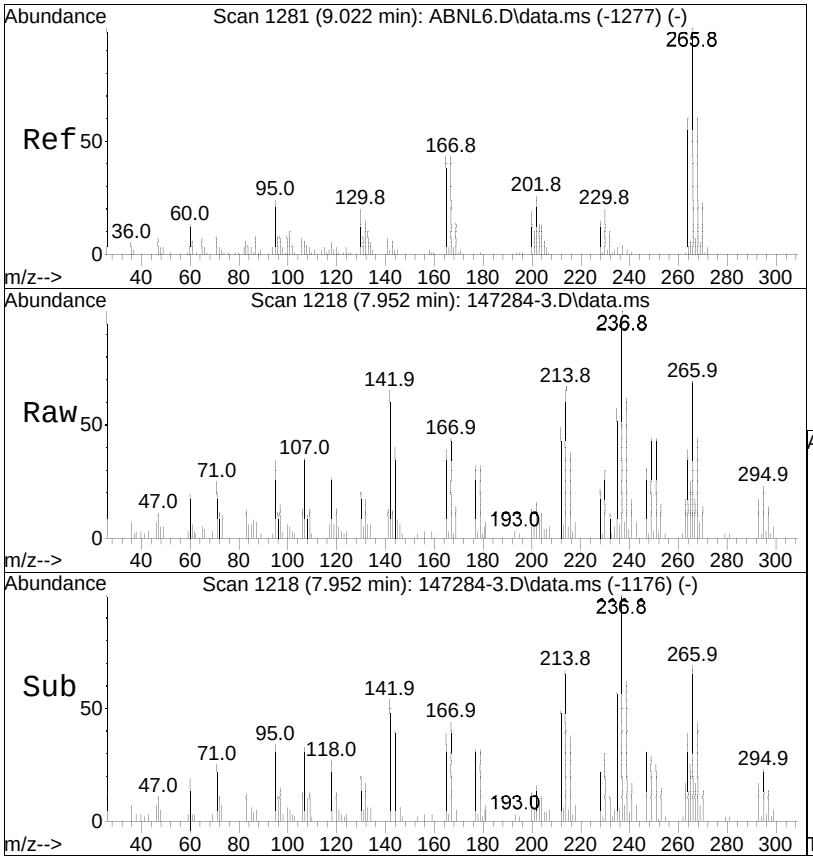


#81
Hexachlorobenzene
Concen: 1.11 ug/ml
RT: 7.740 min Scan# 1182
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:284 Resp: 12480

Ion	Ratio	Lower	Upper
284	100		
142	40.0	37.6	56.4
249	36.0	25.4	38.2

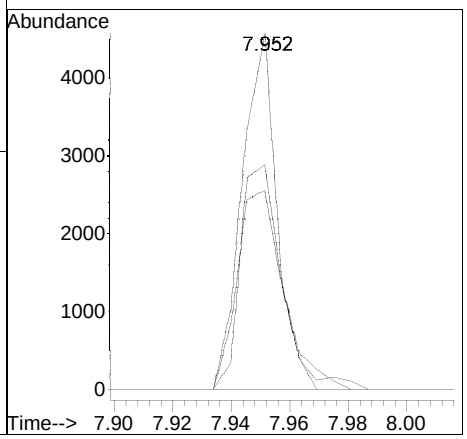


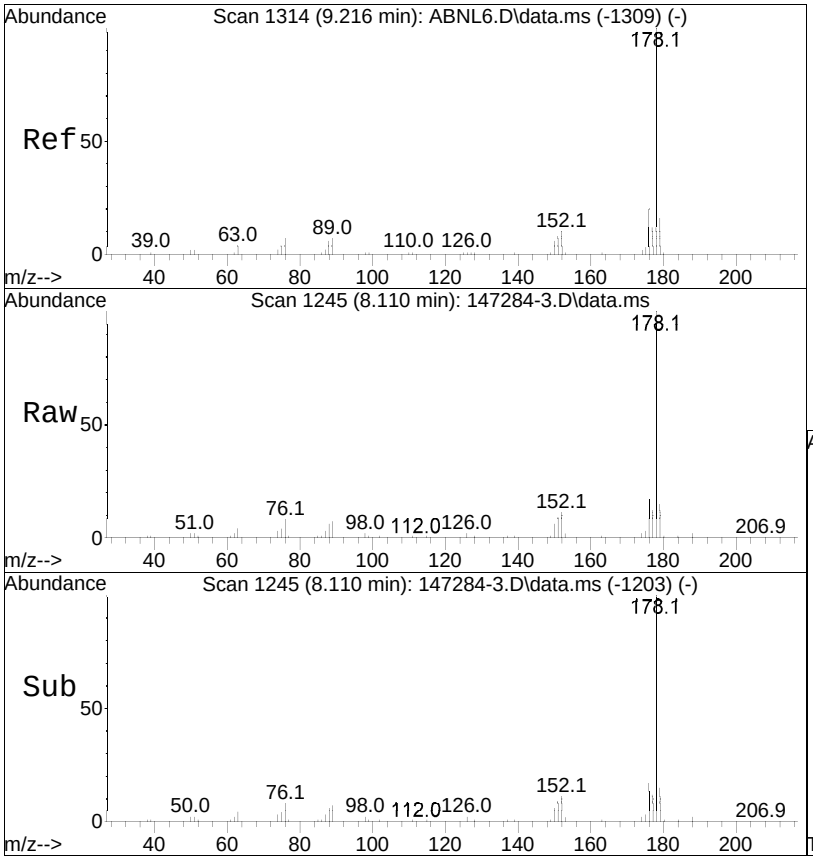


#82
Pentachlorophenol
Concen: 1.16 ug/ml
RT: 7.952 min Scan# 1218
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:266 Resp: 3927

Ion	Ratio	Lower	Upper
266	100		
264	70.8	50.7	76.1
268	69.0	52.5	78.7

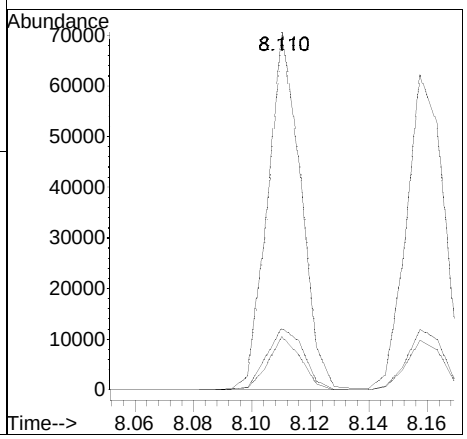


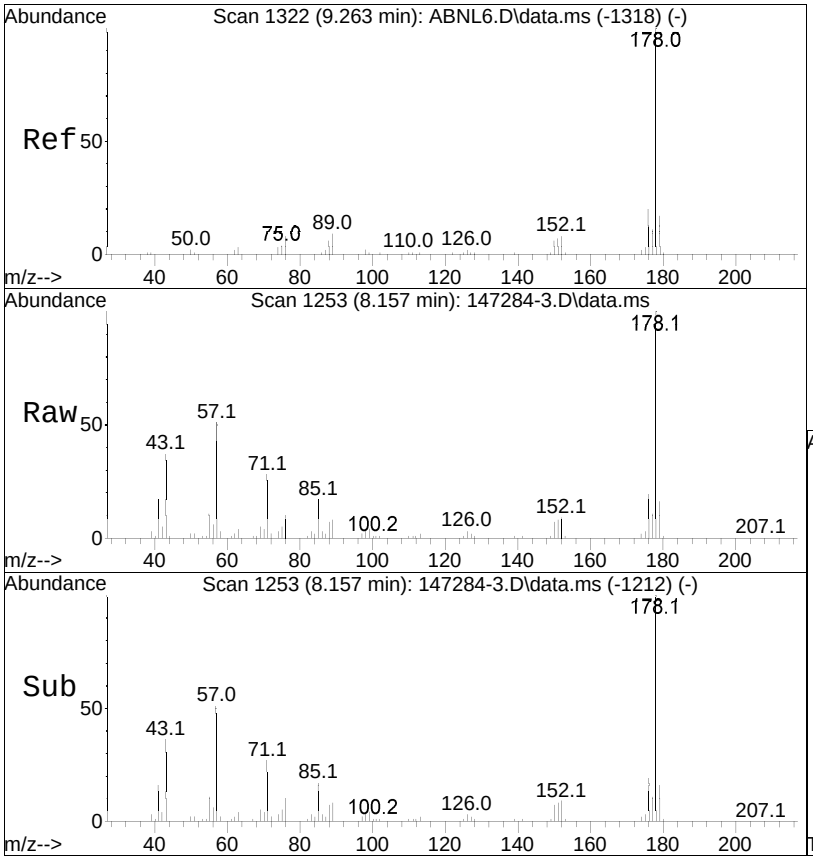


#89
Phenanthrene
Concen: 1.20 ug/ml
RT: 8.110 min Scan# 1245
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:178 Resp: 55928

Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.3	18.5
176	19.2	15.4	23.2

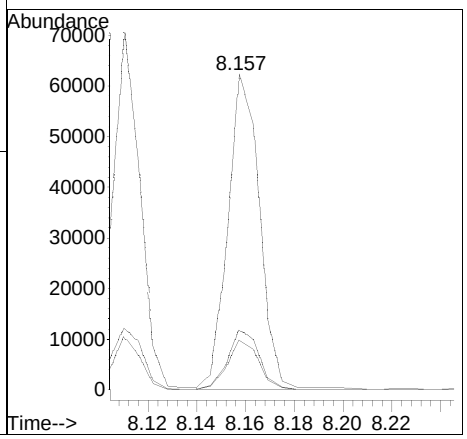


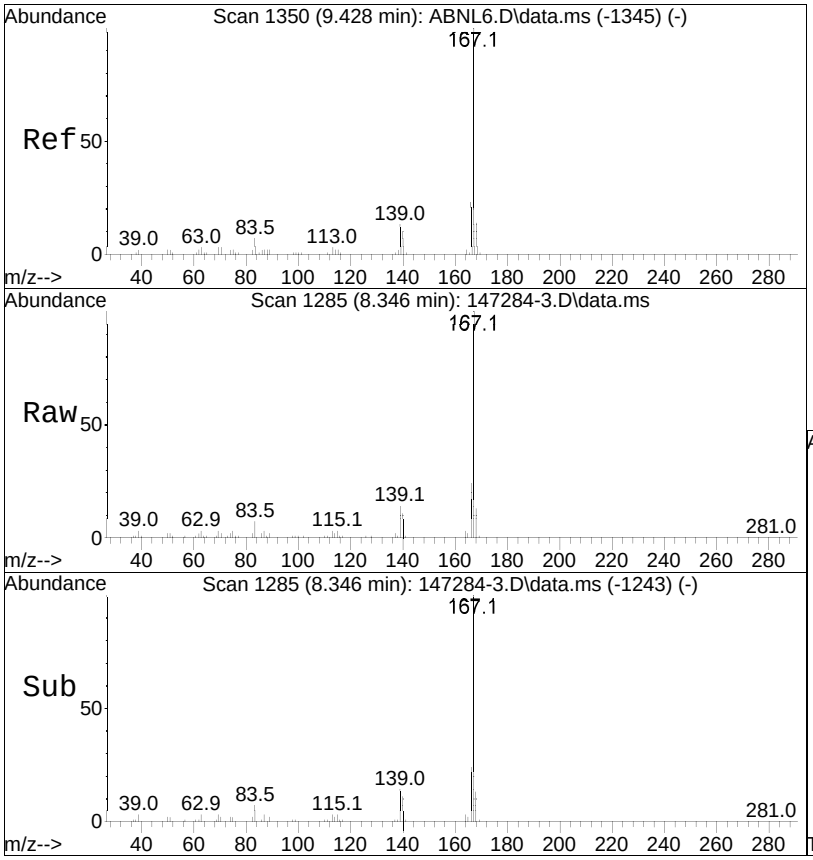


#90
Anthracene
Concen: 1.22 ug/ml
RT: 8.157 min Scan# 1253
Delta R.T. -0.006 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:178 Resp: 56267

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2
176	18.7	15.1	22.7

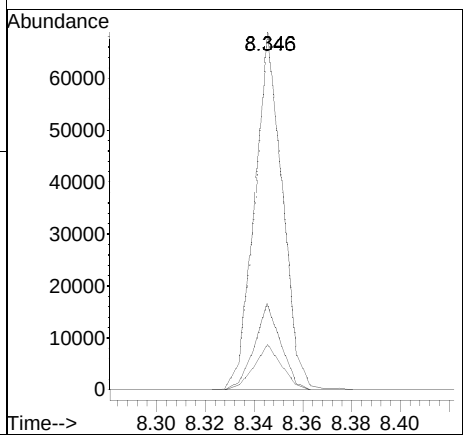


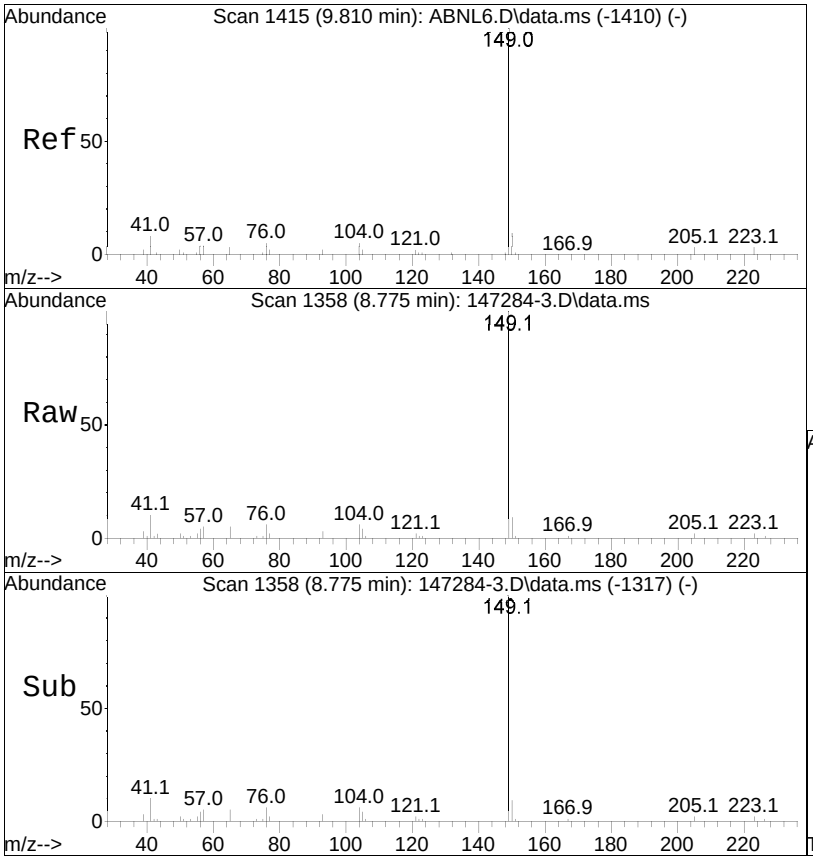


#91
Carbazole
Concen: 1.28 ug/ml
RT: 8.346 min Scan# 1285
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:167 Resp: 53915

Ion	Ratio	Lower	Upper
167	100		
168	12.7	10.8	16.2
166	23.1	17.7	26.5

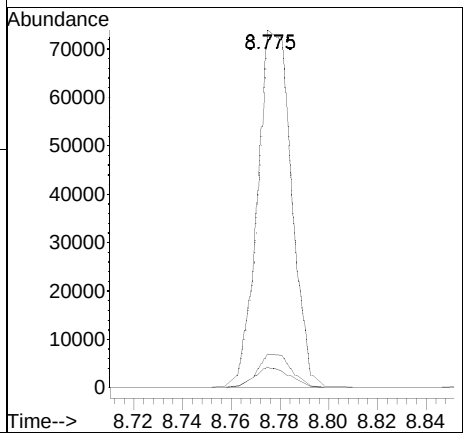


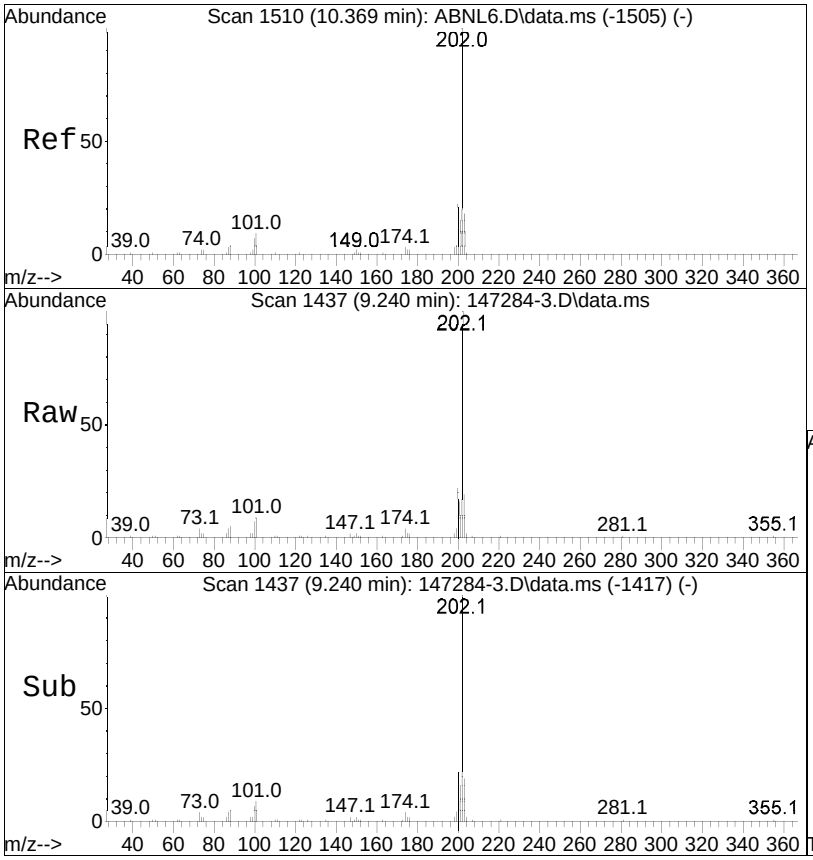


#92
Di-n-butylphthalate
Concen: 1.43 ug/ml
RT: 8.775 min Scan# 1358
Delta R.T. -0.006 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:149 Resp: 70626

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	5.9	4.0	6.0

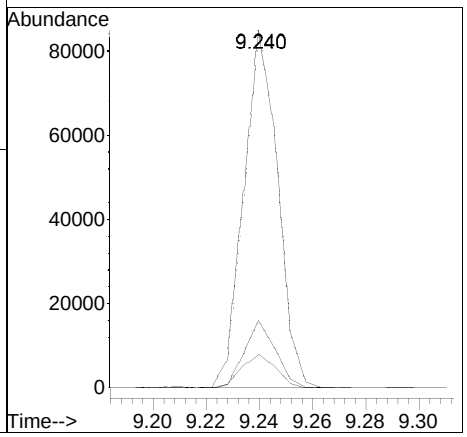


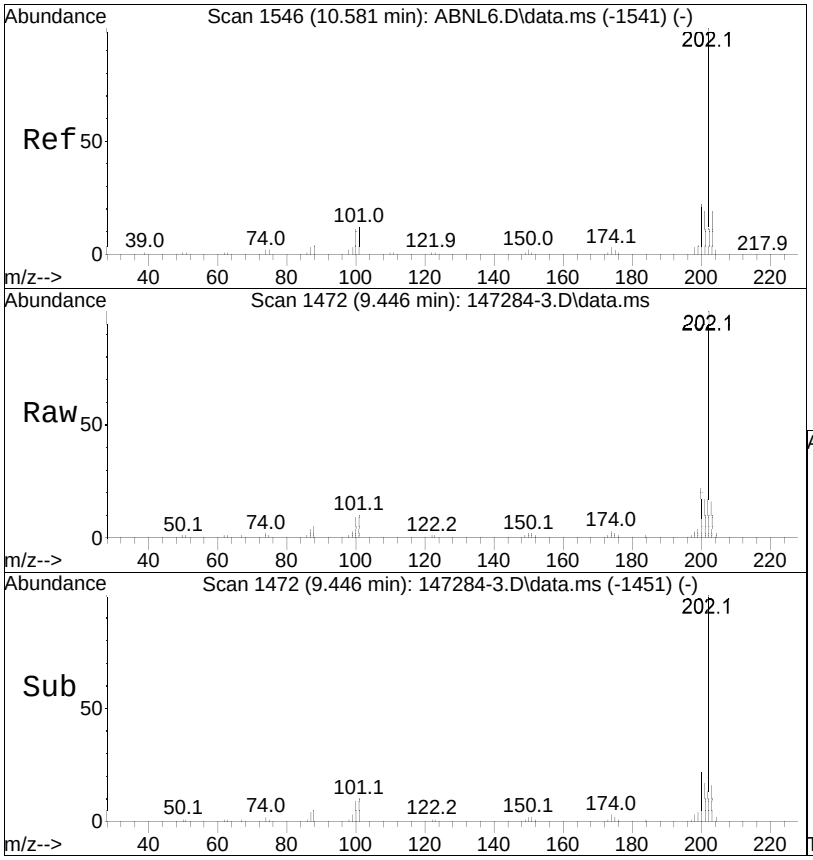


#93
Fluoranthene
Concen: 1.33 ug/ml
RT: 9.240 min Scan# 1437
Delta R.T. -0.006 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:202 Resp: 74835

Ion	Ratio	Lower	Upper
202	100		
101	9.9	11.2	16.8#
203	17.3	13.7	20.5

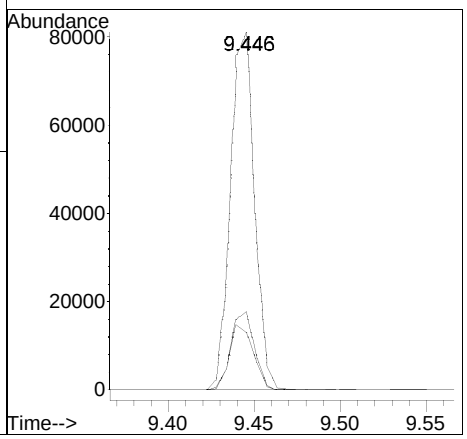


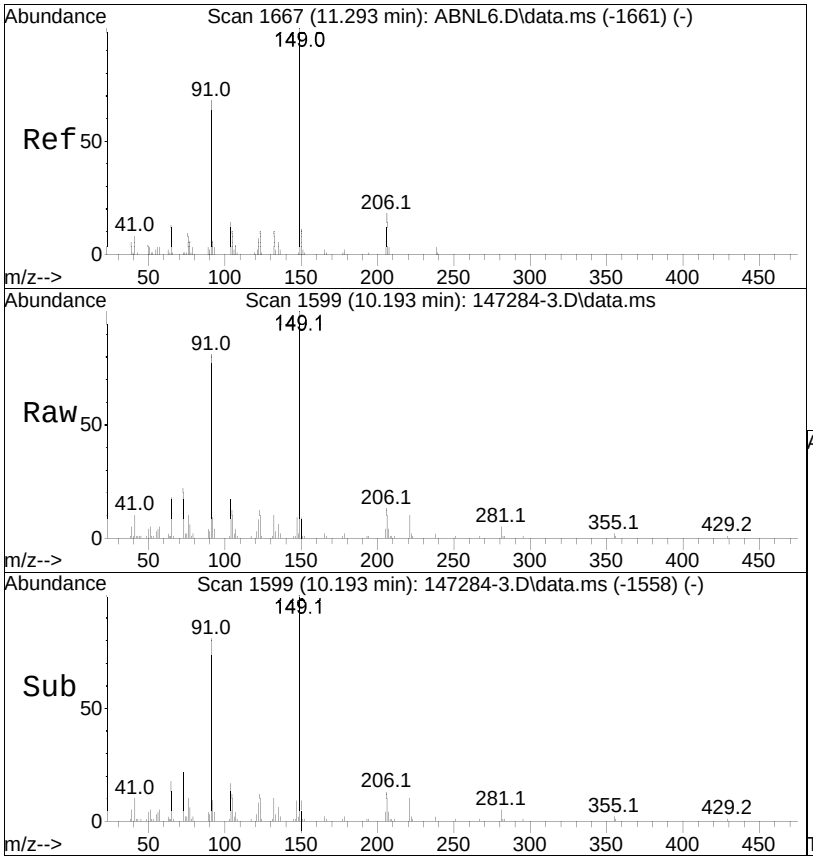


#95
Pyrene
Concen: 1.35 ug/ml
RT: 9.446 min Scan# 1472
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:202 Resp: 77992

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.9	25.3
203	18.1	14.3	21.5

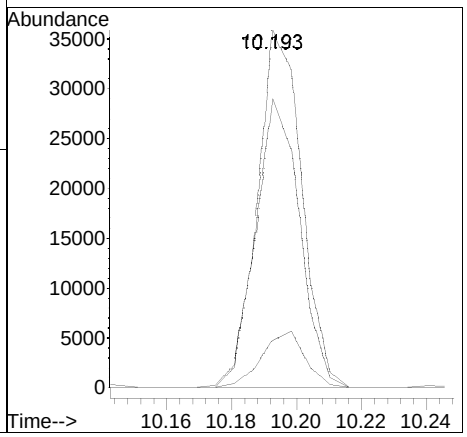


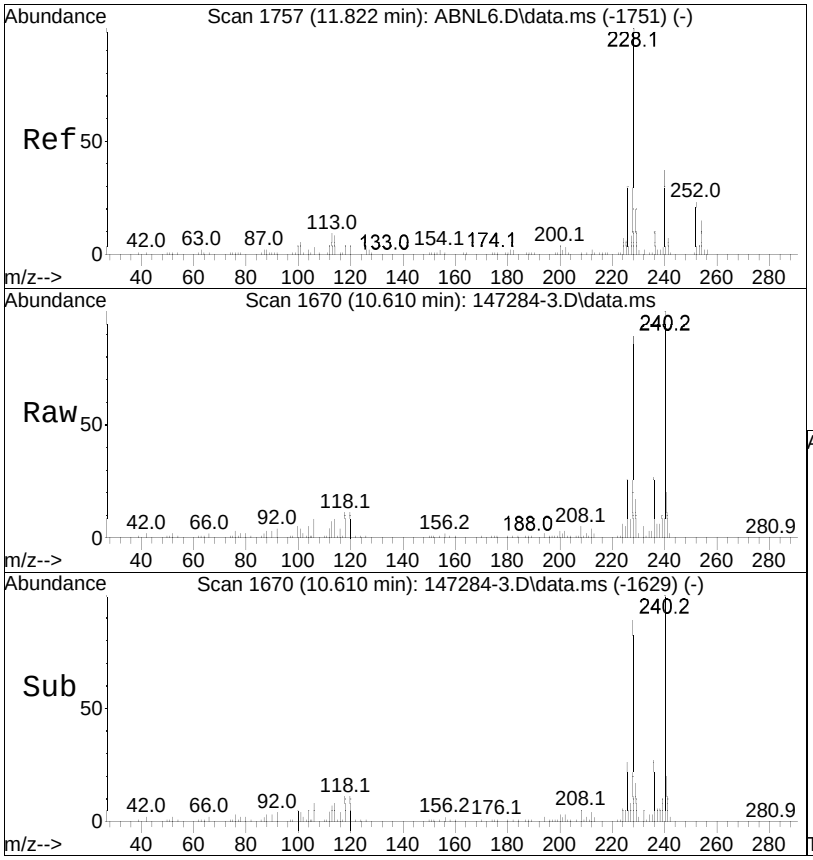


#97
Butyl benzyl phthalate
Concen: 1.52 ug/ml
RT: 10.193 min Scan# 1599
Delta R.T. -0.006 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:149 Resp: 33594

Ion	Ratio	Lower	Upper
149	100		
91	81.0	57.9	86.9
206	15.6	11.9	17.9

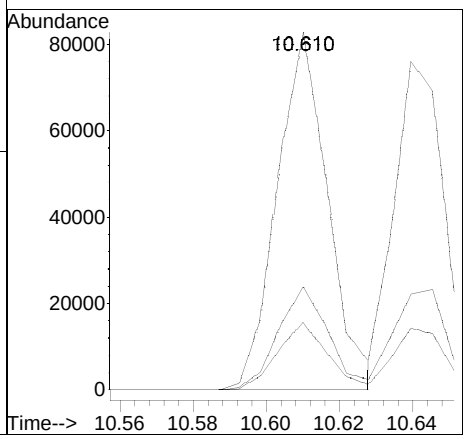


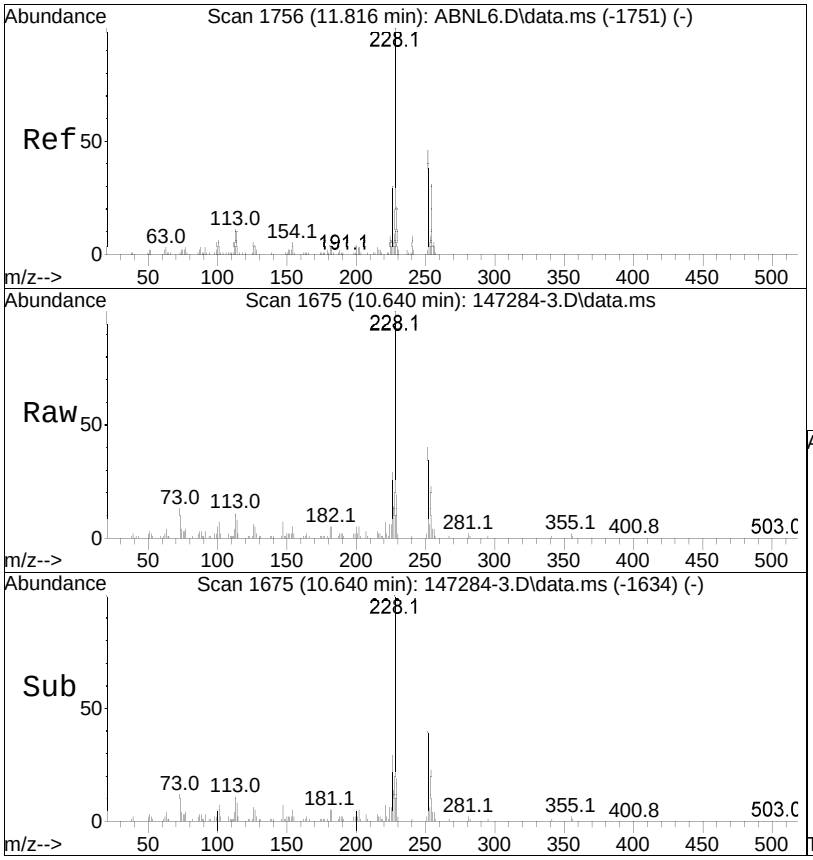


#105
Benzo(a)anthracene
Concen: 1.37 ug/ml
RT: 10.610 min Scan# 1670
Delta R.T. -0.006 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:228 Resp: 79916

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	34.0
229	18.8	15.8	23.6

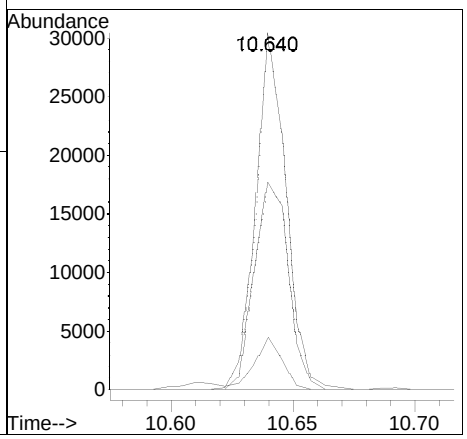


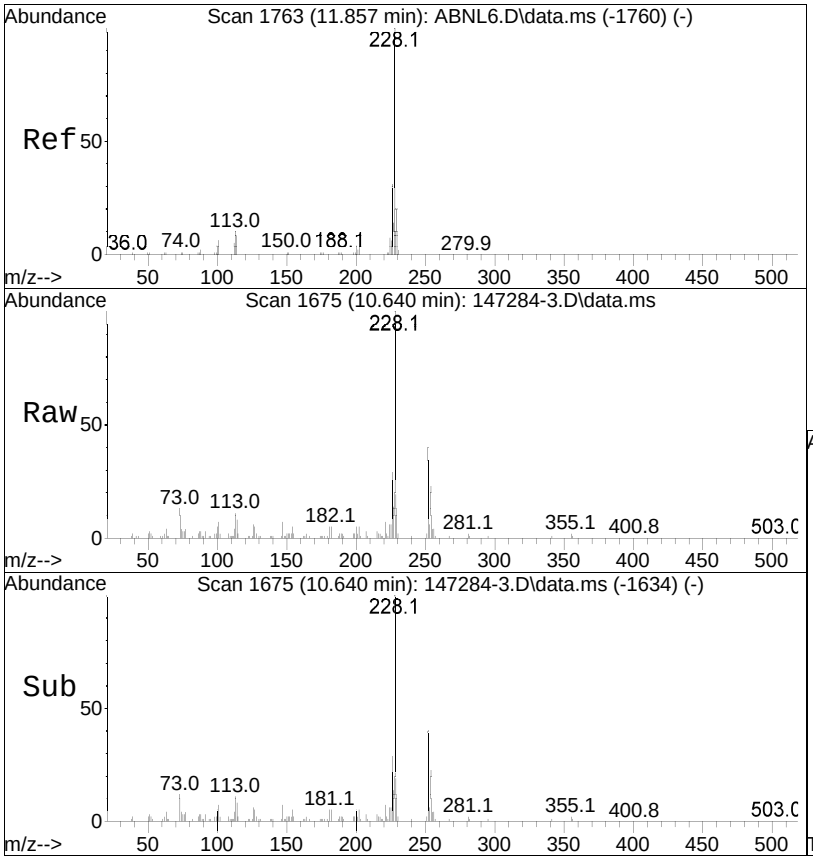


#106
3,3'-Dichlorobenzidine
Concen: 1.24 ug/ml
RT: 10.640 min Scan# 1675
Delta R.T. -0.006 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:252 Resp: 26139

Ion	Ratio	Lower	Upper
252	100		
126	13.4	12.6	19.0
254	65.5	51.1	76.7

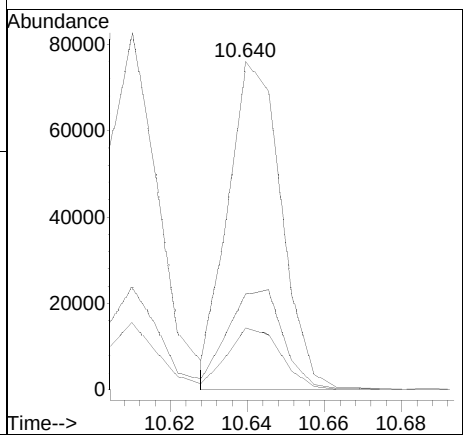


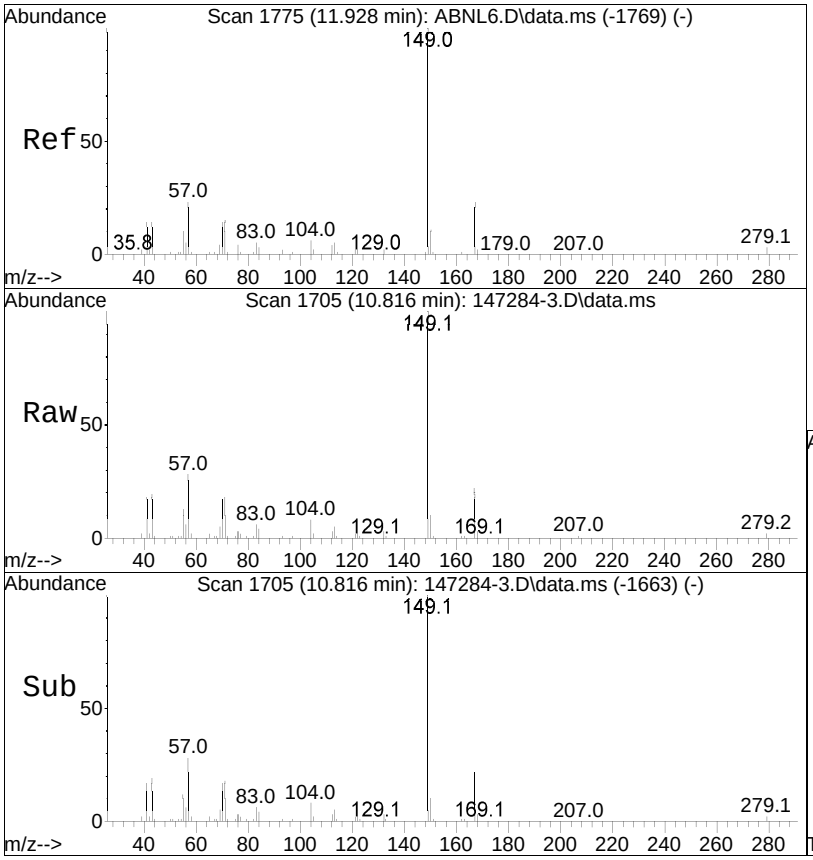


#107
Chrysene
Concen: 1.34 ug/ml M3
RT: 10.640 min Scan# 1675
Delta R.T. -0.006 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:228 Resp: 72710

Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.7	37.1
229	20.7	15.5	23.3

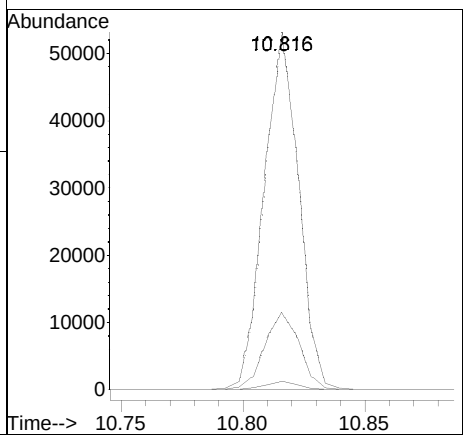


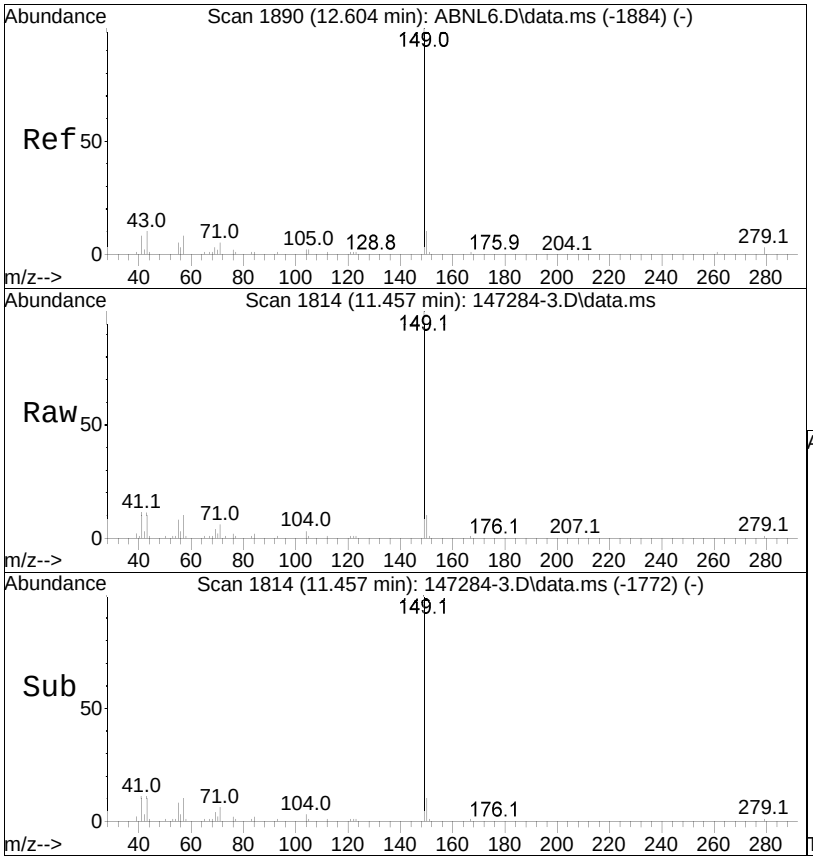


#108
Bis(2-ethylhexyl)phthalate
Concen: 1.51 ug/ml
RT: 10.816 min Scan# 1705
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:149 Resp: 51733

Ion	Ratio	Lower	Upper
149	100		
167	21.9	18.4	27.6
279	2.0	1.7	2.5

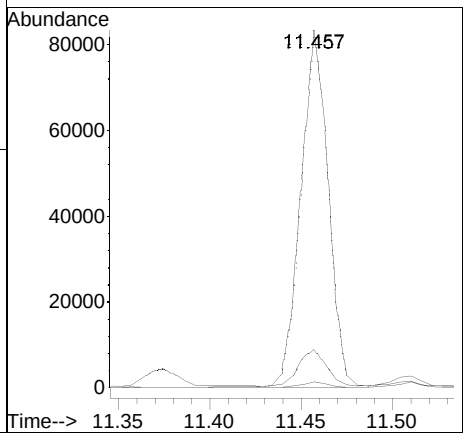


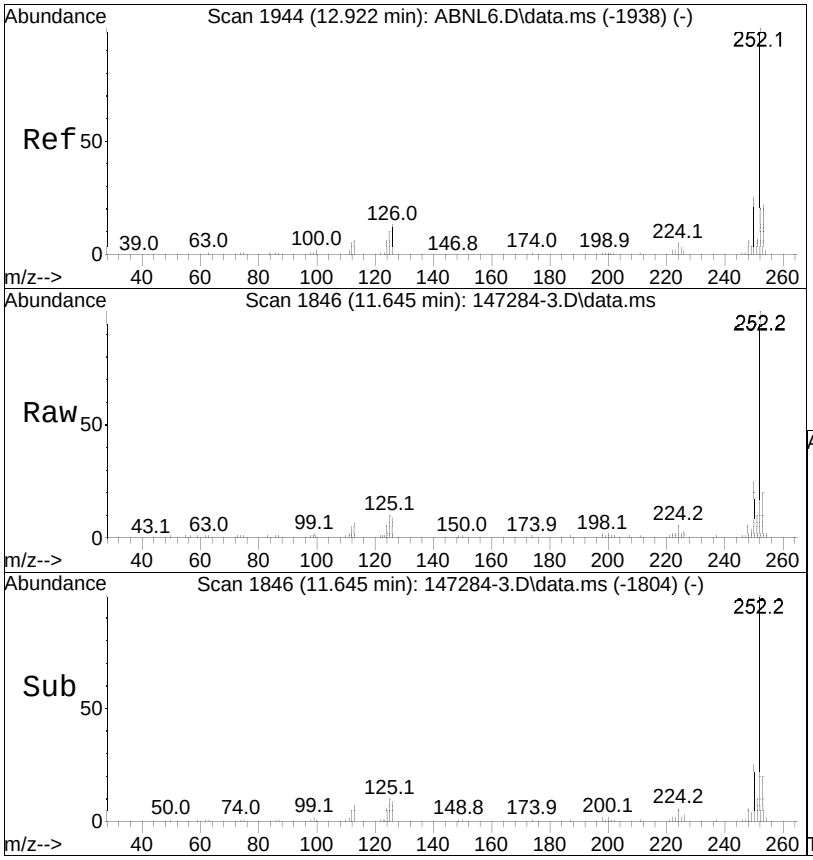


#109
Di-n-octylphthalate
Concen: 1.56 ug/ml
RT: 11.457 min Scan# 1814
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:149 Resp: 85849

Ion	Ratio	Lower	Upper
149	100		
43	11.0	8.2	12.2
167	1.3	1.1	1.7

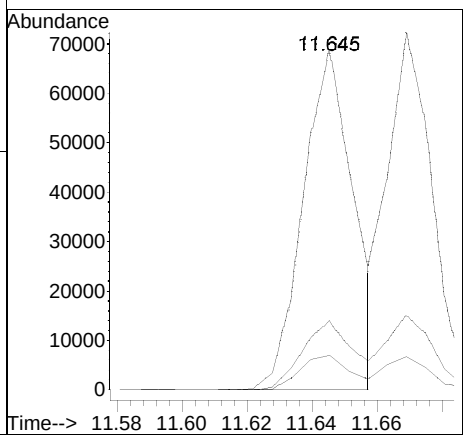


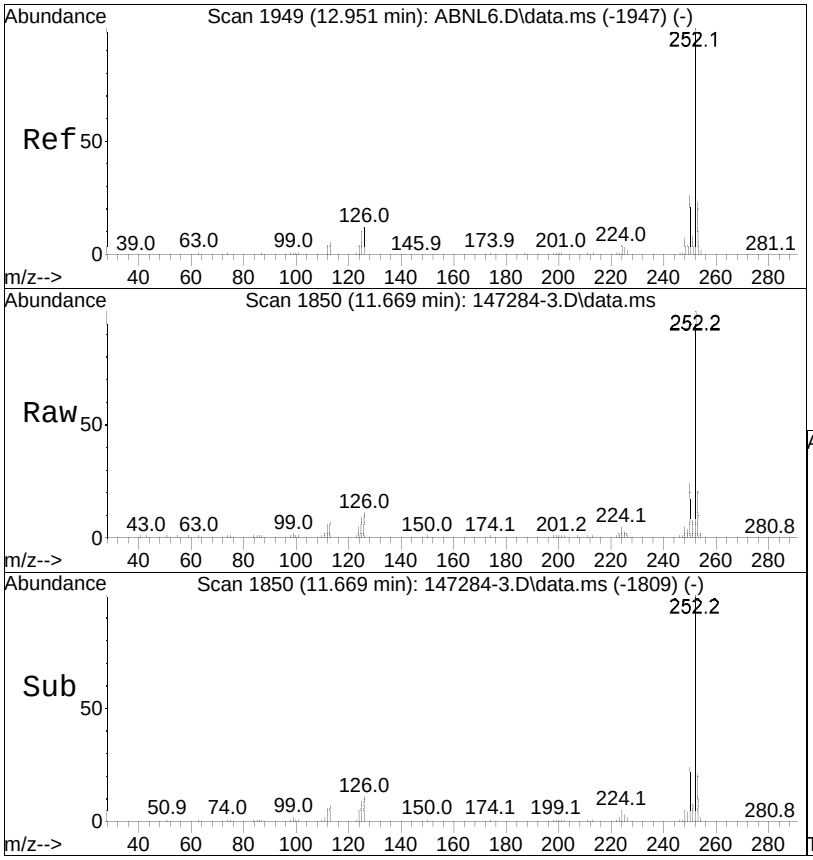


#110
Benzo(b)fluoranthene
Concen: 1.31 ug/ml
RT: 11.645 min Scan# 1846
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:252 Resp: 74983

Ion	Ratio	Lower	Upper
252	100		
125	10.3	11.3	16.9#
253	20.7	17.8	26.8

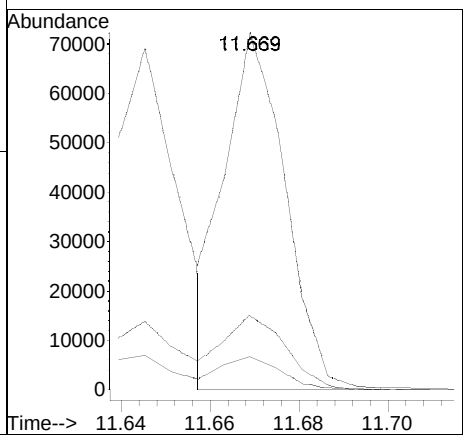


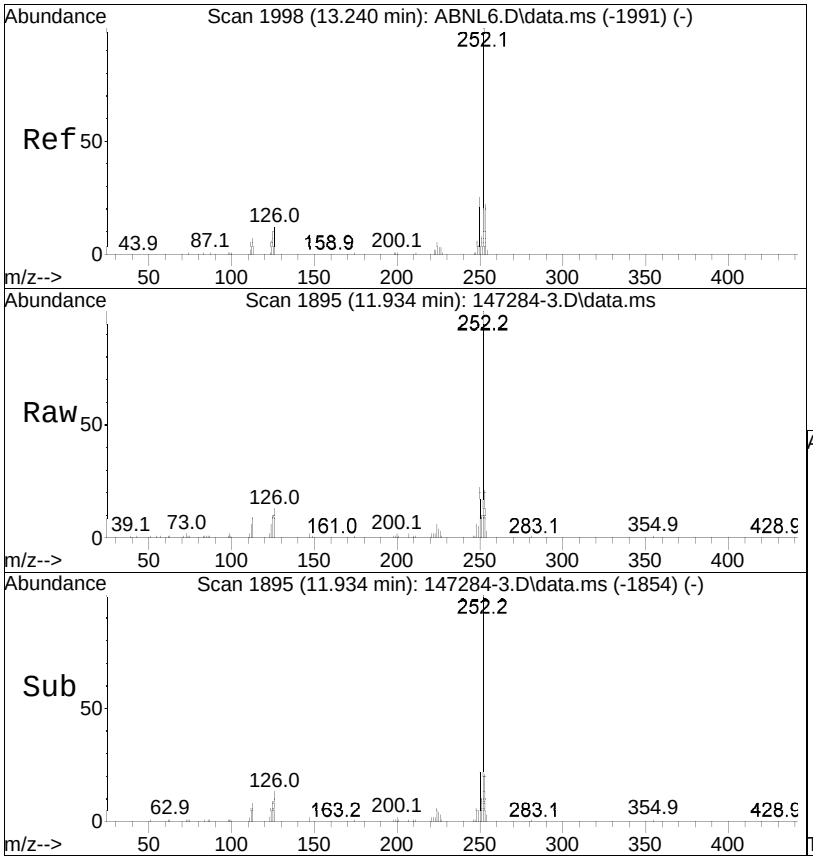


#111
Benzo(k)fluoranthene
Concen: 1.21 ug/ml M3
RT: 11.669 min Scan# 1850
Delta R.T. -0.006 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:252 Resp: 67657

Ion	Ratio	Lower	Upper
252	100		
125	13.0	11.5	17.3
253	21.9	17.6	26.4

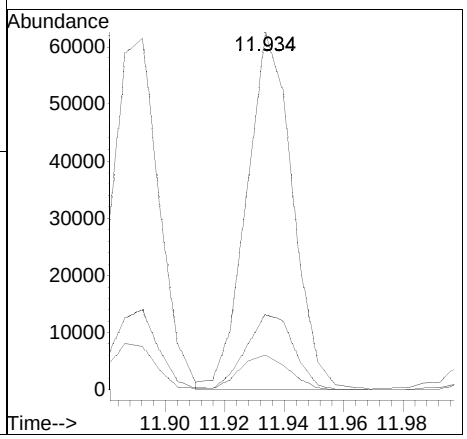


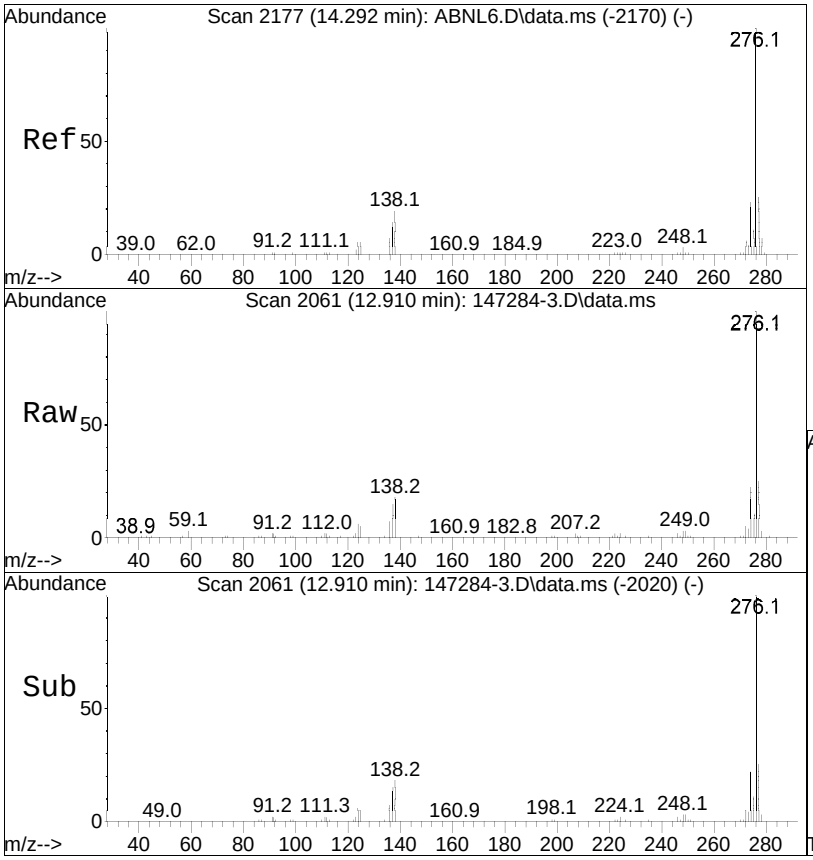


#112
Benzo(a)pyrene
Concen: 1.27 ug/ml M3
RT: 11.934 min Scan# 1895
Delta R.T. -0.006 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:252 Resp: 67232

Ion	Ratio	Lower	Upper
252	100		
125	13.3	12.6	18.8
253	22.4	17.5	26.3

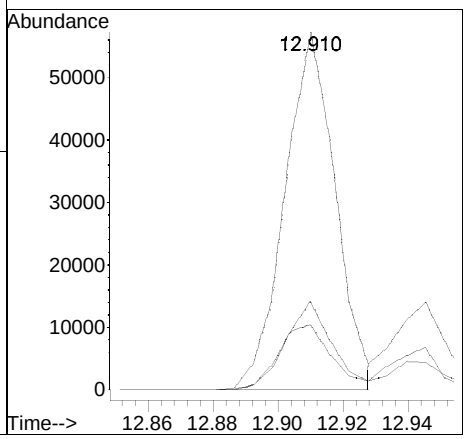


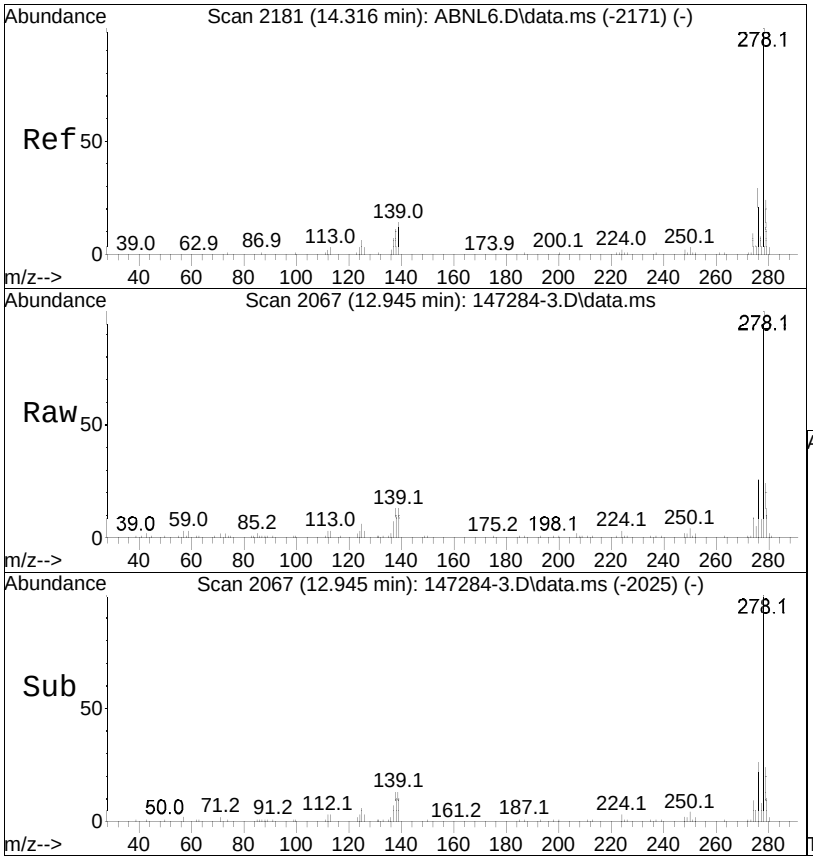


#114
Indeno(1,2,3-cd)pyrene
Concen: 1.27 ug/mL
RT: 12.910 min Scan# 2061
Delta R.T. -0.006 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:276 Resp: 61599

Ion	Ratio	Lower	Upper
276	100		
138	19.5	22.1	33.1#
277	23.2	19.0	28.6

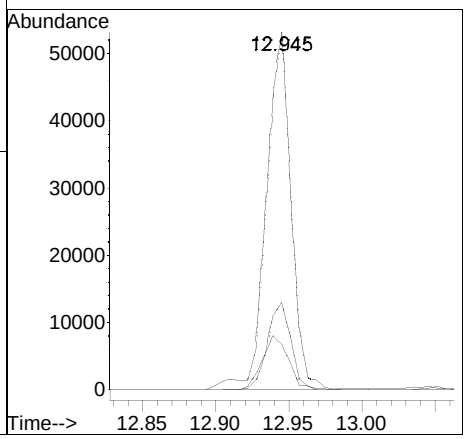


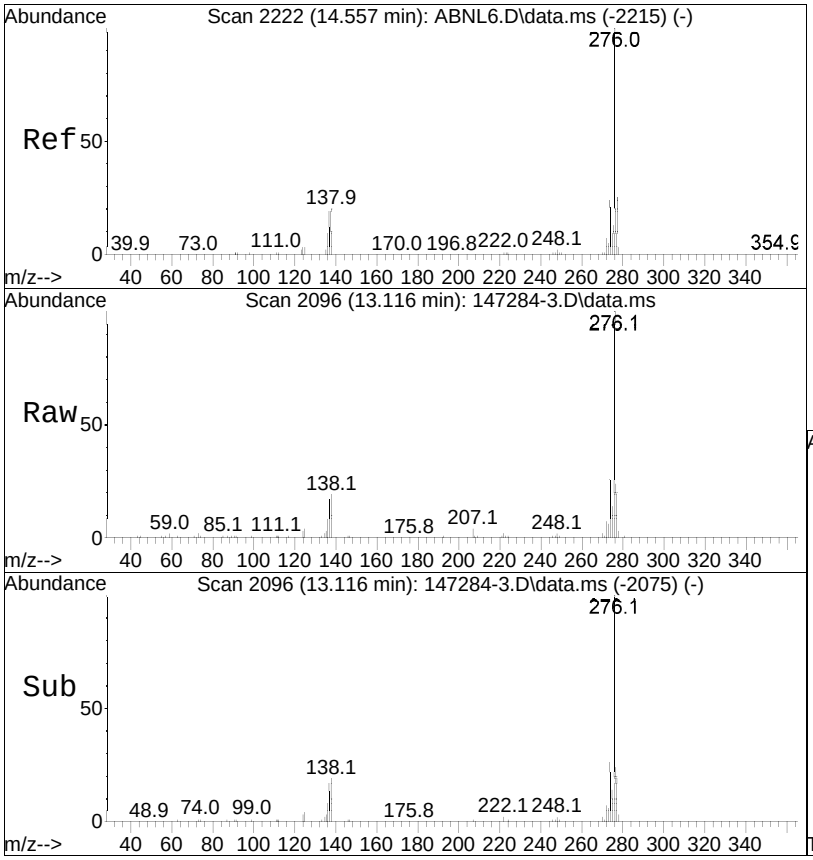


#115
Dibenzo(a,h)anthracene
Concen: 1.32 ug/ml
RT: 12.945 min Scan# 2067
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:278 Resp: 62022

Ion	Ratio	Lower	Upper
278	100		
139	16.0	17.8	26.8#
279	23.5	19.2	28.8

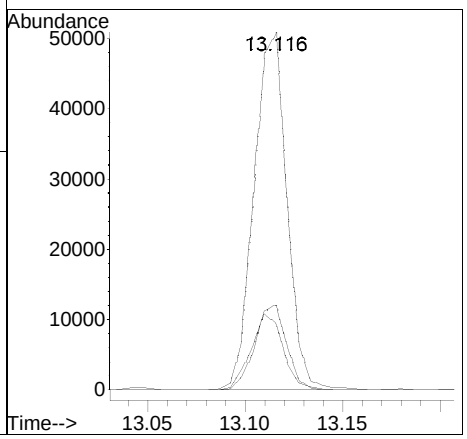




#116
Benzo(ghi)perylene
Concen: 1.21 ug/ml
RT: 13.116 min Scan# 2096
Delta R.T. -0.000 min
Lab File: 147284-3.D
Acq: 29 Nov 2025 01:01 pm

Tgt Ion:276 Resp: 59047

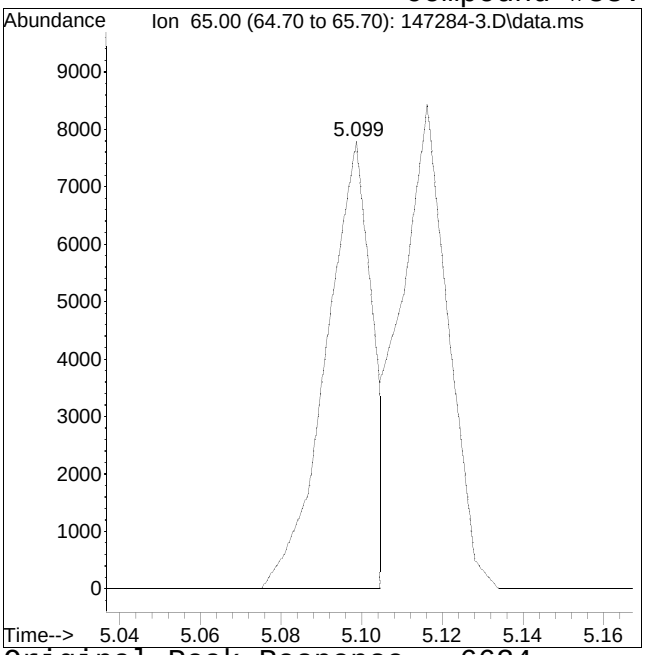
Ion	Ratio	Lower	Upper
276	100		
138	21.0	21.9	32.9#
277	22.9	18.4	27.6



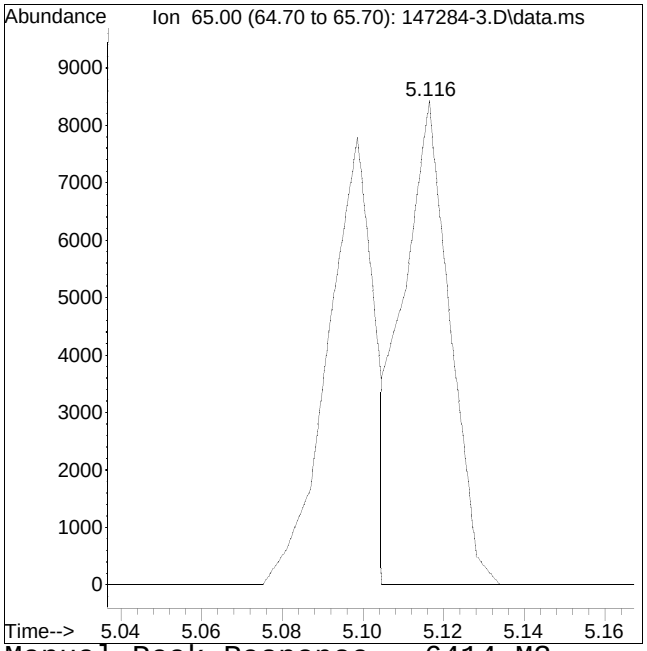
Manual Integration Report

Data Path : I:\8270\SV112\251129RVTb\ QMethod : FS250817SV112RVT.m
Data File : 147284-3.D Operator : SV112:smz
Date Inj'd : 11/29/2025 1:01 pm Instrument : SV112
Sample : WG2147284-3,32,,gmr Quant Date : 11/29/2025 1:19 pm

Compound #38: 4-Chloroaniline



Original Peak Response = 6624



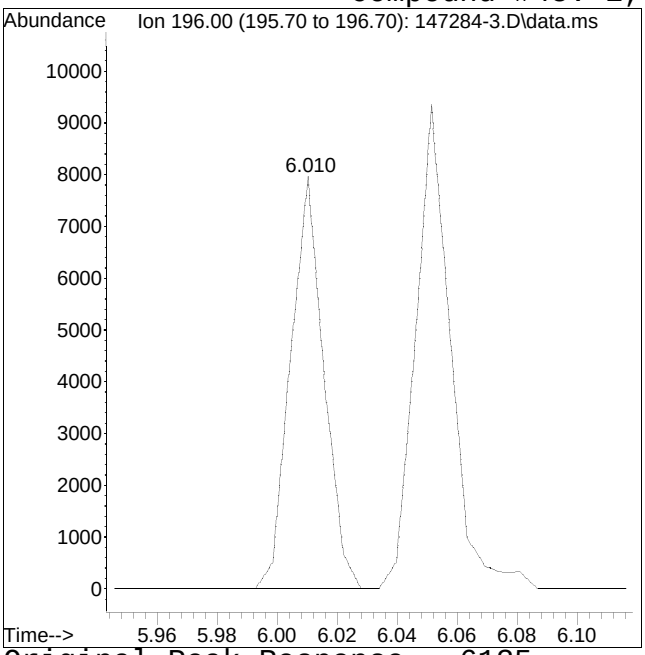
Manual Peak Response = 6414 M3

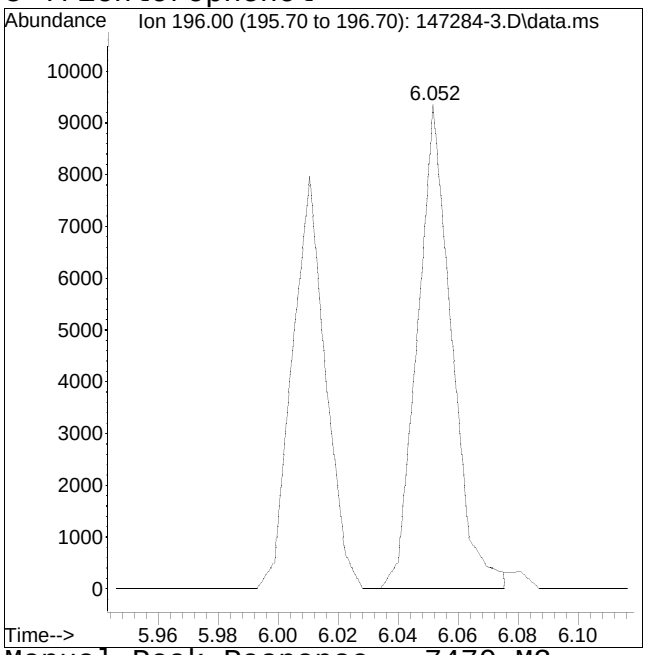
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\251129RVTb\ QMethod : FS250817SV112RVT.m
Data File : 147284-3.D Operator : SV112:smz
Date Inj'd : 11/29/2025 1:01 pm Instrument : SV112
Sample : WG2147284-3,32,,gmr Quant Date : 11/29/2025 1:19 pm

Compound #45: 2,4,5-Trichlorophenol





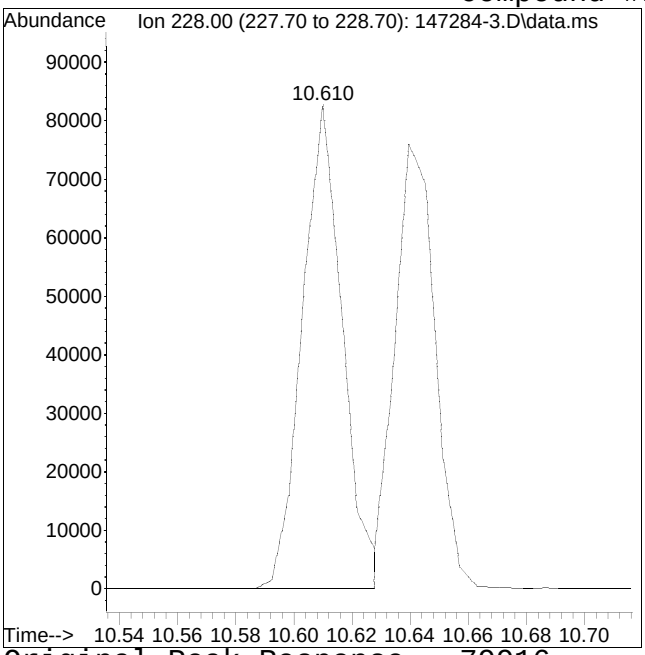
Original Peak Response = 6135 Manual Peak Response = 7470 M3

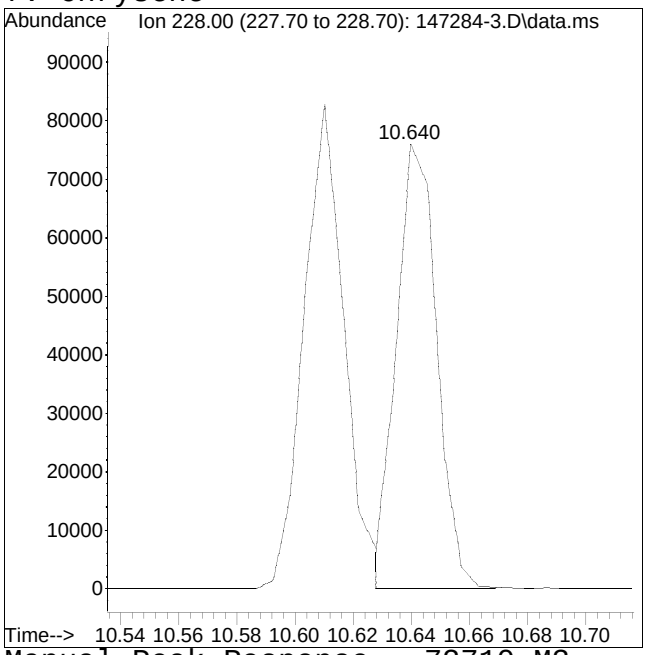
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\251129RVTb\ QMethod : FS250817SV112RVT.m
Data File : 147284-3.D Operator : SV112:smz
Date Inj'd : 11/29/2025 1:01 pm Instrument : SV112
Sample : WG2147284-3,32,,gmr Quant Date : 11/29/2025 1:19 pm

Compound #107: Chrysene





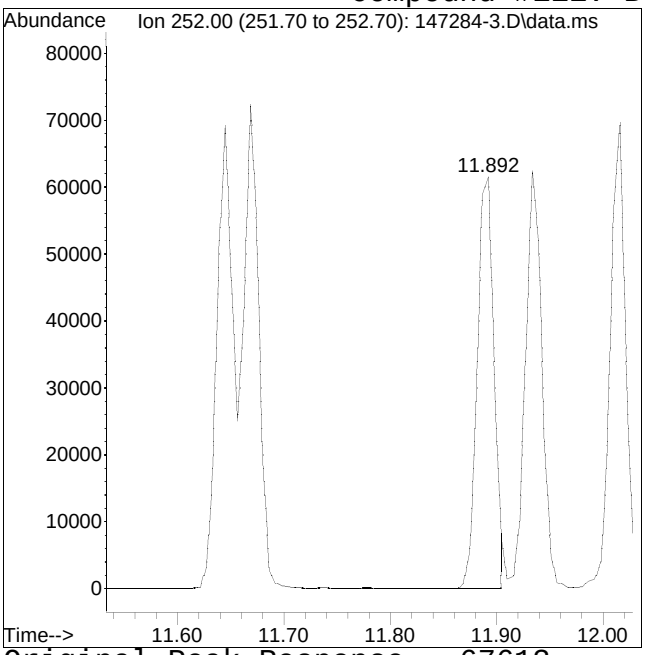
Original Peak Response = 79916 Manual Peak Response = 72710 M3

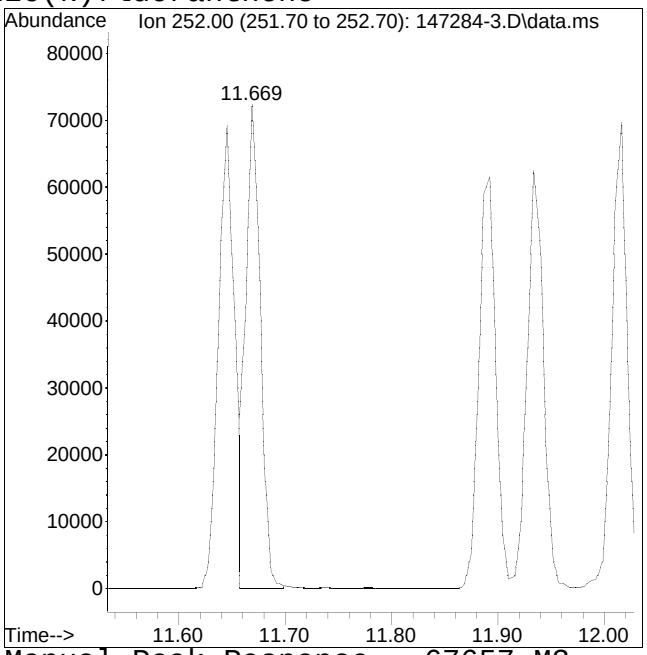
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\251129RVTb\ QMethod : FS250817SV112RVT.m
Data File : 147284-3.D Operator : SV112:smz
Date Inj'd : 11/29/2025 1:01 pm Instrument : SV112
Sample : WG2147284-3,32,,gmr Quant Date : 11/29/2025 1:19 pm

Compound #111: Benzo(k)fluoranthene





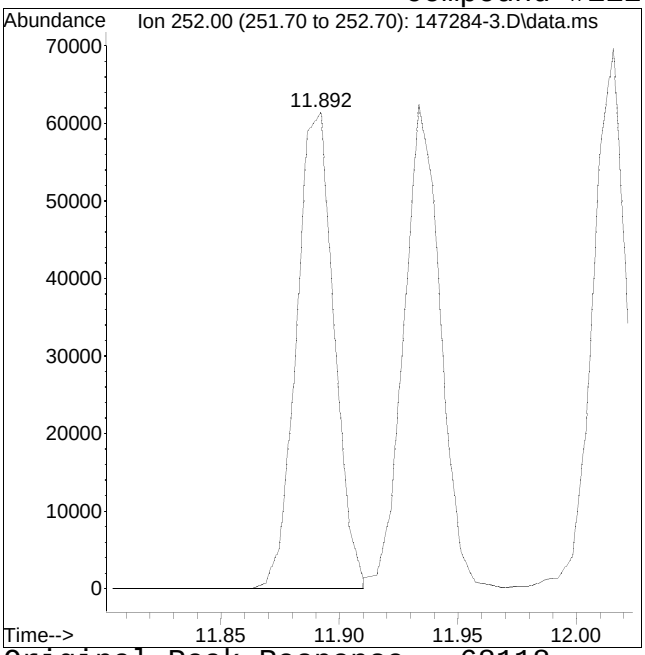
Original Peak Response = 67613 Manual Peak Response = 67657 M3

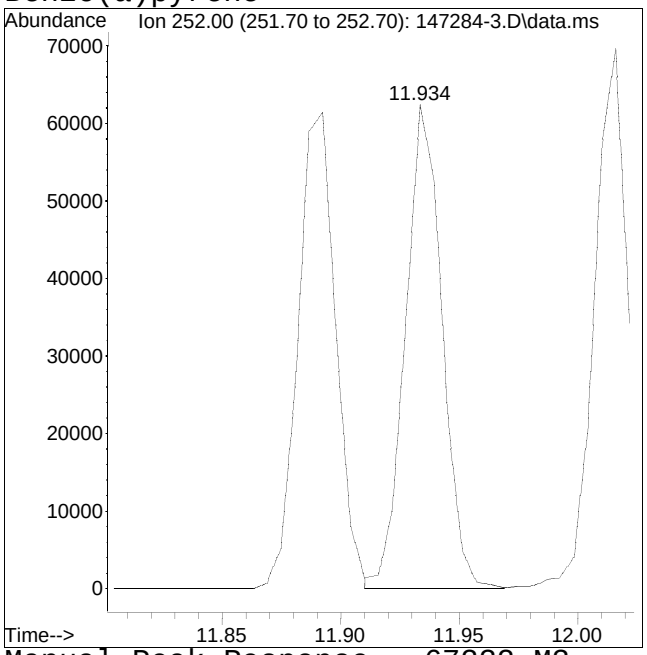
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\251129RVTb\ QMethod : FS250817SV112RVT.m
Data File : 147284-3.D Operator : SV112:smz
Date Inj'd : 11/29/2025 1:01 pm Instrument : SV112
Sample : WG2147284-3,32,,gmr Quant Date : 11/29/2025 1:19 pm

Compound #112: Benzo(a)pyrene





Original Peak Response = 68118 Manual Peak Response = 67232 M3

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

Calculation of Semi Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * 1000 * (1/Vo) * Vf

Where:
DF = Dilution Factor
Vo = Volume of Sample (mL)
Vf = Extraction Lab Final Volume (mL)

Soil Concentration Formula: Amt * DF * 1000 * (1/Wt) * Vf * (100/TS)
Where:
DF = Dilution Factor
Wt = Weight of Sample (g)
Vf = Extraction Lab Final Volume (mL)
TS = Total Solids

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Dec 05 2025, 12:49 pm

Work Group: WG2147284 for Department: 2 Organic Preparation

Created: 28-NOV-25 Due: Operator: ARP

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2575191-02	TMW-02	C	NYTCL-8270-RVT	WATER	DONE	U	1201	1210	S0	Amber-A.1
L2575191-04	TMW-05	C	NYTCL-8270-RVT	WATER	DONE	U	1201	1210	S0	Amber-A.1
L2575576-08	WC-112525	C	NYTCL-8270-RVT	WATER	DONE	U	1202	1208	S0	Amber-A.1
L2575577-01	MW-07_251124	C	NYTCL-8270-RVT	WATER	DONE	U	1201	1211	S0	Amber-A.1
L2575577-02	MW-03_251124	C	NYTCL-8270-RVT	WATER	DONE	U	1201	1211	S0	Amber-A.1
L2575577-04	FD01_251124	C	NYTCL-8270-RVT	WATER	DONE	U	1202	1211	S0	Amber-A.1
L2575577-05	MW-01_251124	C	NYTCL-8270-RVT	WATER	DONE	U	1202	1211	S0	Amber-A.1
L2575577-06	MW-02_251124	C	NYTCL-8270-RVT	WATER	DONE	U	1202	1211	S0	Amber-A.1
L2575577-07	MW-09D_251124	C	NYTCL-8270-RVT	WATER	DONE	U	1202	1211	S0	Amber-A.1
L2575577-08	MW-09S_251124	C	NYTCL-8270-RVT	WATER	DONE	U	1202	1211	S0	Amber-A.1
L2575577-09	MW-11D_251124	C	NYTCL-8270-RVT	WATER	DONE	U	1202	1211	S0	Amber-A.1
L2575772-01	MW-11S_251125	C	NYTCL-8270-RVT	WATER	DONE	U	1202	1212	S0	Amber-A.1
L2575772-02	MW-10_251125	C	NYTCL-8270-RVT	WATER	DONE	U	1202	1212	S0	Amber-A.1
L2575778-05	FIELD BLANK	S	NYTCL-8270-RVT	WATER	DONE	U	1202	1202	1B	Amber-A.1
L2575807-01	WWTP 1 - COMP	S	NYTCL-8270-RVT	WATER	DONE	U	1201	1212	S0	Amber-A.1
L2575807-05	WWTP 2 - COMP	S	NYTCL-8270-RVT	WATER	DONE	U	1202	1212	S0	Amber-A.1
WG2147284-1	Laboratory Method Bl	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2147284-2	Laboratory Control S	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2147284-3	LCS Duplicate	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2147284-4	Matrix Spike	S	NYTCL-8270-RVT	WATER	WIP	U				
WG2147284-5	Matrix Spike Duplica	S	NYTCL-8270-RVT	WATER	WIP	U				

Comments:

WG2147284-3	WG2147284-2
WG2147284-4	L2575577-07
WG2147284-5	L2575577-07

Dep.: GCMS
Inst: SV112
Date: **08/17/25**
Run: **ICAL**

Method
GC: 8270RVT

Seq: **WG2104073**
ICAL: 22560

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	Tune1	Tune Lot#11857				
1	ABNL9	IL2,32,,ABNL50 Lot# 11871				
2	ABNL8	IL3,32,,ABNL25 Lot# 11872				
3	ABNL7	IL4,32,,ABNL10 Lot# 11873				
4	ABNL6	IL5,32,,ABNL5 Lot# 11874				
5	ABNL5	IL6,32,,ABNL2.5 Lot# 11875				
6	ABNL4	IL7,32,,ABNL1 Lot# 11876				
7	ABNL3	IL8,32,,ABNL0.5 Lot# 11877				
8	ABNL2	IL9,32,,ABNL0.2 Lot# 11878				
9	ABNL1	IL10,32,,ABNL0.1 Lot# 11879				
10	AP9L9	IL2,32,,AP9L50 Lot# 11836				
11	AP9L8	IL3,32,,AP9L25 Lot# 11837				
12	AP9L7	IL4,32,,AP9L10 Lot# 11838				
13	AP9L6	IL5,32,,AP9L5 Lot# 11839				
14	AP9L5	IL6,32,,AP9L2.5 Lot# 11840				
15	AP9L4	IL7,32,,AP9L1 Lot# 11841				
16	AP9L3	IL8,32,,AP9L0.5 Lot# 11842				
17	AP9L2	IL9,32,,AP9L0.2 Lot# 11843				
18	AP9L1	IL10,32,,AP9L0.1 Lot# 11865				
19	ABNICV	CQICV1,32,,ABNICV Lot# 11881				
20	AP9ICV	CQICV2,32,,AP9ICV Lot# 11855				
141	Tune2	Tune Lot#11857				
21	ADPL9	IL2,32,,ADPL50 Lot# 11845				
22	ADPL8	IL3,32,,ADPL25 Lot# 11846				
23	ADPL7	IL4,32,,ADPL10 Lot# 11847				
24	ADPL6	IL5,32,,ADPL5 Lot# 11848				
25	ADPL5	IL6,32,,ADPL2.5 Lot# 11849				
26	ADPL4	IL7,32,,ADPL1 Lot# 11850				
27	ADPL3	IL8,32,,ADPL0.5 Lot# 11851				
28	ADPL2	IL9,32,,ADPL0.2 Lot# 11852				
29	ADPL1	IL10,32,,ADPL0.1 Lot# 11867				
30	ADPICV	CQICV,32,,ADPICV Lot# 11856			**mrg**	
31	ABNL5a	IL6,32,,ABNL2.5 Lot# 11882				
32	ABNICVa	CQICV,32,,ABNICV Lot# 11881				
33	Blank	Instrument Blank			**cmm**	

Analysis log File

Total Files Reported in Log : 33
Log Generated From Directory: I:\8270\SV106\250827ICAL\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	Tune1.D	ABNRVT(SIM).	Tune1 Lot# 11857	WG2108428,,	8/27/2025 7:04 pm
2	ABNL9.D	ABNRVT(SIM).	IL2,32,,ABNL50 Lot# 118	WG2108428,,	8/27/2025 8:12 pm
3	ABNL8.D	ABNRVT(SIM).	IL3,32,,ABNL25 Lot# 118	WG2108428,,	8/27/2025 8:33 pm
4	ABNL7.D	ABNRVT(SIM).	IL4,32,,ABNL10 Lot# 118	WG2108428,,	8/27/2025 9:03 pm
5	ABNL6.D	ABNRVT(SIM).	IL5,32,,ABNL5 Lot# 1188	WG2108428,,	8/27/2025 9:24 pm
6	ABNL5.D	ABNRVT(SIM).	IL6,32,,ABNL2.5 Lot# 11	WG2108428,,	8/27/2025 9:46 pm
7	ABNL4.D	ABNRVT(SIM).	IL7,32,,ABNL1 Lot# 1189	WG2108428,,	8/27/2025 10:07 pm
8	ABNL3.D	ABNRVT(SIM).	IL8,32,,ABNL0.5 Lot# 11	WG2108428,,	8/27/2025 10:28 pm
9	ABNL2.D	ABNRVT(SIM).	IL9,32,,ABNL0.2 Lot# 11	WG2108428,,	8/27/2025 10:50 pm
10	ABNL1.D	ABNRVT(SIM).	IL10,32,,ABNL0.1 Lot# 1	WG2108428,,	8/27/2025 11:11 pm
11	ABNICV.D	ABNRVT(SIM).	CQICV1,32,,ABNICV Lot#	WG2108428,,	8/27/2025 11:33 pm
12	Tune2.D	ABNRVT(SIM).	Tune2 Lot# 11857	WG2108428,,	8/27/2025 11:54 pm
13	AP9L9.D	ABNRVT(SIM).	IL2,32,,AP9L50 Lot# 119	WG2108428,,	8/28/2025 12:16 am
14	AP9L7.D	ABNRVT(SIM).	IL4,32,,AP9L10 Lot# 119	WG2108428,,	8/28/2025 12:58 am
15	AP9L8.D	ABNRVT(SIM).	IL3,32,,AP9L25 Lot# 119	WG2108428,,	8/28/2025 12:37 am
16	AP9L6.D	ABNRVT(SIM).	IL5,32,,AP9L5 Lot# 1192	WG2108428,,	8/28/2025 1:20 am
17	AP9L5.D	ABNRVT(SIM).	IL6,32,,AP9L2.5 Lot# 11	WG2108428,,	8/28/2025 1:41 am
18	AP9L4.D	ABNRVT(SIM).	IL7,32,,AP9L1 Lot# 1192	WG2108428,,	8/28/2025 2:03 am
19	AP9L3.D	ABNRVT(SIM).	IL8,32,,AP9L0.5 Lot# 11	WG2108428,,	8/28/2025 2:24 am
20	AP9L2.D	ABNRVT(SIM).	IL9,32,,AP9L0.2 Lot# 11	WG2108428,,	8/28/2025 2:45 am
21	AP9L1.D	ABNRVT(SIM).	IL10,32,,AP9L0.1 Lot# 1	WG2108428,,	8/28/2025 3:07 am
22	ADPL9.D	ABNRVT(SIM).	IL2,32,,ADPL50 Lot# 119	WG2108428,,	8/28/2025 3:28 am
23	ADPL8.D	ABNRVT(SIM).	IL3,32,,ADPL25 Lot# 119	WG2108428,,	8/28/2025 3:50 am
24	ADPL7.D	ABNRVT(SIM).	IL4,32,,ADPL10 Lot# 119	WG2108428,,	8/28/2025 4:11 am
25	ADPL6.D	ABNRVT(SIM).	IL5,32,,ADPL5 Lot# 1190	WG2108428,,	8/28/2025 4:32 am
26	ADPL5.D	ABNRVT(SIM).	IL6,32,,ADPL2.5 Lot# 11	WG2108428,,	8/28/2025 4:54 am
27	ADPL4.D	ABNRVT(SIM).	IL7,32,,ADPL1 Lot# 1190	WG2108428,,	8/28/2025 5:15 am
28	ADPL3.D	ABNRVT(SIM).	IL8,32,,ADPL0.5 Lot# 11	WG2108428,,	8/28/2025 5:36 am
29	ADPL2.D	ABNRVT(SIM).	IL9,32,,ADPL0.2 Lot# 11	WG2108428,,	8/28/2025 5:58 am
30	ADPL1.D	ABNRVT(SIM).	IL10,32,,ADPL0.1 Lot# 1	WG2108428,,	8/28/2025 6:19 am
31	AP9ICV.D	ABNRVT(SIM).	CQICV2,32,,AP9ICV Lot#	WG2108428,,	8/28/2025 6:40 am
32	ADPICV.D	ABNRVT(SIM).	CQICV,32,,ADPICV Lot# 1	WG2108428,,	8/28/2025 7:02 am
33	Blank.D	ABNRVT(SIM).	RVT Instrument Blank	wg,,ical	8/28/2025 7:23 am

Printed: 08/28/25 Page: 1

Dep.: GCMS
Inst: SV112
Date: **11/29/25**
Run:

Method
GC: 8270RVT

Seq: **WG2147407**
ICAL: 22560

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	DEG1129	wg-1,32,,Degdftpp SV112 Lot # 12051				smz 12/1
142	ABN1129	wg-3,32,,ABN 11823 gmr1114C	**Full List: Some Outages Low**			smz 12/1
143	AP91129	wg-4,32,,AP9 12015 gmr1114C				smz 12/1
144	ADP1129	wg-5,32,,ADP 12057 gmr1114C				smz 12/1
1	147284-1	WG2147284-1,32,,gmr				smz 12/1
2	147284-2	WG2147284-2,32,,gmr				smz 12/1
3	147284-3	WG2147284-3,32,,gmr				smz 12/1
4	147140-1	WG2147140-1,32,,gmr				smz 12/1
5	147140-2	WG2147140-2,32,,gmr				smz 12/1
6	147140-3	WG2147140-3,32,,gmr				smz 12/1
7	75778-05	L2575778-05,32,,R1B,gmr				smz 12/1
8	73122-01	L2573122-01,32,,RV,gmr				smz 12/1
9	73122-02	L2573122-02,32,,RV,gmr				smz 12/1
10	145453-4	WG2145453-4,32,,RV,gmr				smz 12/1
11	145453-5	WG2145453-5,32,,RV,gmr				smz 12/1
12	73122-03	L2573122-03,32,,RV,gmr				smz 12/1
13	75198-01	L2575198-01,32,,gmr				smz 12/5
14	75320-01	L2575320-01,32,,gmr				smz 12/5
15	75320-02	L2575320-02,32,,gmr				smz 12/5
16	75320-03	L2575320-03,32,,gmr				smz 12/5
17	75320-04	L2575320-04,32,,gmr				smz 12/5
18	75500-01	L2575500-01,32,,gmr				smz 12/5
19	75500-02	L2575500-02,32,,gmr				smz 12/5
20	75500-03	L2575500-03,32,,gmr				smz 12/5
21	75500-04	L2575500-04,32,,gmr				smz 12/5
22	75500-05	L2575500-05,32,,gmr				smz 12/5
23	75586-01	L2575586-01,32,,gmr			**gmr**	smz 12/5
					sv-smc	

Dep.: GCMS
Inst: SV106
Date: **12/02/25**
Run: **Night-Run**

Method
GC: ABNRVT(SIM)

Seq: **WG2148721**
ICAL: **22591**

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	DEG1202	wg-1,32,,SV106 Degdftpp Lot # 11883				smz 12/3
142	ABN1202	wg-3,32,,ABN RVT CCV Lot # 11	**Full List:**			smz 12/3
143	AP91202	wg-4,32,,AP9 RVT ICV Lot # 12015				smz 12/3
144	ADP1202	wg-5,32,,ADP RVT CCV Lot # 12057				smz 12/3
1	148649-1	WG2148649-1,32,,ASK				smz 12/3
2	148649-2	WG2148649-2,32,,ASK				smz 12/3
3	148649-3	WG2148649-3,32,,ASK				smz 12/3
4	148100-1	WG2148100-1,32,,ASK				smz 12/4
5	148100-2	WG2148100-2,32,,ASK				smz 12/4
6	148100-3	WG2148100-3,32,,ASK				smz 12/4
7	75576-08	L2575576-08,32,,ASK				smz 12/4
8	75855-19	L2575855-19,32,,R3F,ASK				smz 12/3
9	75855-22	L2575855-22,32,,R3F,ASK				smz 12/3
10	75855-25	L2575855-25,32,,R3F,ASK				smz 12/3
11	75855-28	L2575855-28,32,,R3F,ASK				smz 12/3
12	75855-34	L2575855-34,32,,R3F,ASK				smz 12/3
13	75855-37	L2575855-37,32,,R3F,ASK				smz 12/3
14	75855-31	L2575855-31,32,,R3F,ASK				smz 12/3
15	75855-40	L2575855-40,32,,R3F,ASK				smz 12/3
16	75855-01	L2575855-01,32,,R3F,ASK				smz 12/3
17	75855-04	L2575855-04,32,,R3F,ASK				smz 12/3
18	75855-07	L2575855-07,32,,R3F,ASK				smz 12/3
19	75855-10	L2575855-10,32,,R3F,ASK				smz 12/3
20	75855-13	L2575855-13,32,,R3F,ASK				smz 12/3
21	75855-16	L2575855-16,32,,R3F,ASK				smz 12/3
22	75007-01	L2575007-01,32,,ASK			**AK/sv-gr**	
23	148790-2	WG2148790-2,32,,gmr				smz 12/3
24	148790-3	WG2148790-3,32,,gmr				smz 12/3
25	148790-1	WG2148790-1,32,,gmr				smz 12/3
26	76138-12	L2576138-12,32,,R1B,gmr				smz 12/3
27	76138-13	L2576138-13,32,,R1B,gmr			**sv-smz**	smz 12/3
28	75007-02	L2575007-02,32,,ASK				
29	75191-02	L2575191-02,32,,ASK				smz 12/4
30	75191-04	L2575191-04,32,,ASK			**gmr**	smz 12/4
					sv-smc	

ORGANIC ELN REPORT

Workgroup: WG2147284

Prep Method: EPA 3510C
Solvent Type: DCM
Surrogate Type: ABN
Spike Type: ABN
Spike Verify by: ARP
Lims Spikelot: 8270-RVT

Lot #: EL173
Lot #: 12044-AJ[04/27/26]
Lot #: 12032-AX[12/31/25]; 12016-AC

Additional Reagents/Stds

H2SO4	A070925
Na2SO4	253751
NaOH	10NNaOH111325

Conc.Method: Buchi
Solvent Type: DCM
Lot #: EL173

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type:
Lot #:

Additional Reagents/Stds

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2575191-02 WATER	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K
L2575191-04 WATER	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K
L2575576-08 SAMP	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K
L2575577-01 SAMP	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K
L2575577-02 SAMP	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K
L2575577-04 SAMP	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K
L2575577-05 SAMP	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K

Reported: 05-DEC-25 12:49 PM

ORGANIC ELN REPORT

Workgroup: WG2147284

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2575577-06 SAMP	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K
L2575577-07 SAMP	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K
L2575577-08 SAMP	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K
L2575577-09 SAMP	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K
L2575772-01 WATER	11/29/25 05:09	Amanda Patterson	100	<2, >12	.1		11/29/25 06:41	Michael Ampaabeng	1	K
L2575772-02 WATER	11/29/25 05:09	Amanda Patterson	100	<2, >12	.1		11/29/25 06:41	Michael Ampaabeng	1	K
L2575778-05 WATER	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K
L2575807-01 WATER	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K
L2575807-05 WATER	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K

ORGANIC ELN REPORT

Workgroup: WG2147284

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
WG2147284-1 BLANK	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K
	WG2147285									
WG2147284-2 LCS	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1	.1	11/29/25 02:09	Ashley Busold	1	K
WG2147284-3 LCSD	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1	.1	11/29/25 02:09	Ashley Busold	1	K
WG2147284-4 MS	12/05/25 12:21	Jessica Westover			.1	.1				
WG2147284-5 MSD	12/05/25 12:21	Jessica Westover			.1	.1				

Semivolatiles Data
by Method 8270D-SIM

Semivolatiles QC Summary

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Roux Env. Eng. & Geology, DPC
Project Name: 1000 TURK HILL RD GWS

Lab Number: L2575576
Project Number: 3113.0001Y000
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
WC-112525 (L2575576-08)	20*	17	73	78	45	69	1
WG2147285-1BLANK	25	22	64	74	50	68	0
WG2147285-2LCS	43	34	72	78	80	66	0
WG2147285-3LCSD	27	25	65	70	48	64	0

QC LIMITS

(21-120) 2FP = 2-FLUOROPHENOL
(10-120) PHL = PHENOL-D6
(23-120) NBZ = NITROBENZENE-D5
(15-120) FBP = 2-FLUOROBIPHENYL
(10-120) TBP = 2,4,6-TRIBROMOPHENOL
(41-149) TPH = 4-TERPHENYL-D14

*** Values outside of QC limits**

FORM II NYTCL-8270-SIM-RVT

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2147285-2 **Analysis Date** : 11/29/25 13:43	**File ID**	: 147285-2
LCSD Sample ID	: WG2147285-3 **Analysis Date** : 11/29/25 14:01	**File ID**	: 147285-3

	Laboratory Control Sample			Laboratory Control Duplicate						
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R		RPD		Recovery Limits	RPD Limit
Acenaphthene	20	13	67	20	12	62		8		40-140	40
2-Chloronaphthalene	20	14	73	20	13	67		9		40-140	40
Fluoranthene	20	13	64	20	13	64		0		40-140	40
Hexachlorobutadiene	20	13	65	20	12	62		5		40-140	40
Naphthalene	20	12	59	20	11	56		5		40-140	40
Benzo(a)anthracene	20	14	70	20	14	70		0		40-140	40
Benzo(a)pyrene	20	15	74	20	15	73		1		40-140	40
Benzo(b)fluoranthene	20	15	74	20	14	71		4		40-140	40
Benzo(k)fluoranthene	20	14	70	20	14	71		1		40-140	40
Chrysene	20	14	70	20	14	70		0		40-140	40
Acenaphthylene	20	16	78	20	14	73		7		40-140	40
Anthracene	20	15	73	20	14	70		4		40-140	40
Benzo(ghi)perylene	20	17	87	20	17	85		2		40-140	40
Fluorene	20	14	68	20	13	64		6		40-140	40
Phenanthrene	20	14	69	20	13	67		3		40-140	40
Dibenzo(a,h)anthracene	20	19	96	20	19	94		2		40-140	40
Indeno(1,2,3-cd)pyrene	20	19	94	20	18	91		3		40-140	40
Pyrene	20	12	61	20	12	62		2		40-140	40
2-Methylnaphthalene	20	14	68	20	13	63		8		40-140	40
Pentachlorophenol	20	9.0	45	20	4.2	21	Q	73	Q	40-140	40
Hexachlorobenzene	20	16	81	20	15	77		5		40-140	40
Hexachloroethane	20	11	56	20	11	54		4		40-140	40

Method Blank Summary
Form 4
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab Sample ID	: WG2147285-1	**Lab File ID**	: 147285-1
Instrument ID	: SV119	**Extraction Date**	: 11/28/25
Matrix	: WATER	**Analysis Date**	: 11/29/25 14:19
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2147285-2LCS	WG2147285-2	11/29/25 13:43
WG2147285-3LCSD	WG2147285-3	11/29/25 14:01
WC-112525	L2575576-08	11/29/25 15:13

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: SV119	**Analysis Date**	: 11/14/25 11:53
Tune Standard	: R2037829-12	**Tune File ID**	: Tunea_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	54.9
68	Less than 2.0% of mass 69	0.8 (1.8)1
69		100
70	Less than 2.0% of mass 69	0.2 (.4)1
127	10.0 - 80.0% of Base Peak	54.5
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	23.4
365	Greater than 1.0% of mass 198	2.3
441	Present, but less than 24% of mass 442	19.2
442	Base Peak, or >50% of mass 198	67.7
443	15.0 - 24.0% of mass 442	13.4 (19.8)2

1-Value is % of mass 69 2-Value is % of mass 442

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
IL10	R2037829-1	IL10	11/14/25 12:11
IL9	R2037829-10	IL9	11/14/25 12:30
IL8	R2037829-9	IL8	11/14/25 12:49
IL7	R2037829-8	IL7	11/14/25 13:08
IL6	R2037829-7	IL6	11/14/25 13:27
IL5	R2037829-5	IL5	11/14/25 13:46
IL4	R2037829-6	IL4	11/14/25 14:05
IL3	R2037829-4	IL3	11/14/25 14:23
IL2	R2037829-3	IL2	11/14/25 14:42
IL1	R2037829-2	IL1	11/14/25 15:01
ICV Quant Report	R2037829-11	ICV	11/14/25 15:20

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: SV119	**Analysis Date**	: 11/29/25 10:59
Tune Standard	: WG2147402-1	**Tune File ID**	: deg1129b_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	51.3
68	Less than 2.0% of mass 69	0.8 (1.9)1
69		100
70	Less than 2.0% of mass 69	0 (0)1
127	10.0 - 80.0% of Base Peak	52.8
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	24.3
365	Greater than 1.0% of mass 198	2.6
441	Present, but less than 24% of mass 442	18.2
442	Base Peak, or >50% of mass 198	74
443	15.0 - 24.0% of mass 442	13.4 (18.1)2

1-Value is % of mass 69 2-Value is % of mass 442

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2147402-4TFACTOR-B	WG2147402-4	DEG1129B	11/29/25 10:59
WG2147402-5TFACTOR-P	WG2147402-5	DEG1129B	11/29/25 10:59
WG2147402-3CCAL	WG2147402-3	CCV1129	11/29/25 11:16
WG2147285-2LCS	WG2147285-2	147285-2	11/29/25 13:43
WG2147285-3LCSD	WG2147285-3	147285-3	11/29/25 14:01
WG2147285-1BLANK	WG2147285-1	147285-1	11/29/25 14:19
WC-112525	L2575576-08	75576-08	11/29/25 15:13

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: SV119	**Analysis Date**	: 11/29/25 11:16:00
Sample No	: WG2147402-3	**Lab File ID**	: CCV1129

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2147402-3	206861	2.52	789863	3.22	438570	4.26
Upper Limit	413722	3.02	1579726	3.72	877140	4.76
Lower Limit	103431	2.02	394932	2.72	219285	3.76
Sample ID						
WG2147285-2 LCS	196482	2.52	771948	3.23	453913	4.27
WG2147285-3 LCSD	193340	2.52	752524	3.23	445665	4.27
WG2147285-1 BLANK	193814	2.52	725230	3.23	428718	4.27
WC-112525	193177	2.52	734081	3.23	431883	4.27

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

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

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: SV119	**Analysis Date**	: 11/29/25 11:16:00
Sample No	: WG2147402-3	**Lab File ID**	: CCV1129

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2147402-3	882756	5.16	719687	6.79	645429	8.01
Upper Limit	1765512	5.66	1439374	7.29	1290858	8.51
Lower Limit	441378	4.66	359844	6.29	322715	7.51
Sample ID						
WG2147285-2 LCS	865665	5.16	553523	6.79	512505	8.01
WG2147285-3 LCSD	861438	5.16	573140	6.79	529492	8.00
WG2147285-1 BLANK	836642	5.16	578112	6.79	546075	8.00
WC-112525	844618	5.16	601344	6.79	556664	8.00

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

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

* Values outside of QC limits

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

EPA 8270E Low Level PAH (RVT) (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 100ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	0.1	0.0235	ug/l	40-140	40	40-140	40	40			
2-Chloronaphthalene	91-58-7	0.2	0.0227	ug/l	40-140	40	40-140	40	40			
Fluoranthene	206-44-0	0.1	0.0272	ug/l	40-140	40	40-140	40	40			
Hexachlorobutadiene	87-68-3	0.5	0.02	ug/l	40-140	40	40-140	40	40			
Naphthalene	91-20-3	0.1	0.0245	ug/l	40-140	40	40-140	40	40			
Benzo(a)anthracene	56-55-3	0.1	0.0295	ug/l	40-140	40	40-140	40	40			
Benzo(a)pyrene	50-32-8	0.1	0.024	ug/l	40-140	40	40-140	40	40			
Benzo(b)fluoranthene	205-99-2	0.1	0.0272	ug/l	40-140	40	40-140	40	40			
Benzo(k)fluoranthene	207-08-9	0.1	0.0338	ug/l	40-140	40	40-140	40	40			
Chrysene	218-01-9	0.1	0.031	ug/l	40-140	40	40-140	40	40			
Acenaphthylene	208-96-8	0.1	0.0205	ug/l	40-140	40	40-140	40	40			
Anthracene	120-12-7	0.1	0.0239	ug/l	40-140	40	40-140	40	40			
Benzo(ghi)perylene	191-24-2	0.1	0.0237	ug/l	40-140	40	40-140	40	40			
Fluorene	86-73-7	0.1	0.0255	ug/l	40-140	40	40-140	40	40			
Phenanthrene	85-01-8	0.1	0.0392	ug/l	40-140	40	40-140	40	40			
Dibenzo(a,h)anthracene	53-70-3	0.1	0.0235	ug/l	40-140	40	40-140	40	40			
Indeno(1,2,3-cd)Pyrene	193-39-5	0.1	0.022	ug/l	40-140	40	40-140	40	40			
Pyrene	129-00-0	0.1	0.0425	ug/l	40-140	40	40-140	40	40			
1-Methylnaphthalene	90-12-0	0.1	0.0251	ug/l	40-140	40	40-140	40	40			
2-Methylnaphthalene	91-57-6	0.1	0.0277	ug/l	40-140	40	40-140	40	40			
Pentachlorophenol	87-86-5	0.8	0.0565	ug/l	40-140	40	40-140	40	40			
Hexachlorobenzene	118-74-1	0.8	0.0134	ug/l	40-140	40	40-140	40	40			
Hexachloroethane	67-72-1	0.8	0.0224	ug/l	40-140	40	40-140	40	40			
2-Fluorophenol	*367-12-4*									*21-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*15-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-120*		
4-Terphenyl-d14	*1718-51-0*									*41-149*		

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

Semivolatile Sample Data

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-08	Date Collected	: 11/25/25 12:00
Client ID	: WC-112525	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 11/29/25 15:13
Sample Matrix	: WATER	Date Extracted	: 11/28/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 75576-08	Analyst	: JJW
Sample Amount	: 100 ml	Instrument ID	: SV119
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.03	0.10	0.02	J
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: WG2147285-1	Date Collected	: NA
Client ID	: WG2147285-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/29/25 14:19
Sample Matrix	: WATER	Date Extracted	: 11/28/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 147285-1	Analyst	: JJW
Sample Amount	: 100 ml	Instrument ID	: SV119
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.03	0.10	0.02	J
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	0.04	0.10	0.03	J
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251129RVT\
Data File : 75576-08.D
Acq On : 29 Nov 2025 03:13 pm
Operator : sv119:jjw
Sample : L2575576-08,32,,csn
Misc : wg2147402,WG2147285,ical22823
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 30 14:31:10 2025
Quant Method : I:\8270sim\sv119\251129RVT\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 11:31:58 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\251129RVT\ccv1129.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.523	152	193177	4000.000	ng/ml	0.00
Standard Area 1 = 206861			Recovery = 93.38%			
9) Naphthalene-d8	3.227	136	734081	4000.000	ng/ml	0.00
Standard Area 1 = 789863			Recovery = 92.94%			
18) Acenaphthene-d10	4.268	164	431883	4000.000	ng/ml	0.00
Standard Area 1 = 438570			Recovery = 98.48%			
23) Phenanthrene-d10	5.161	188	844618	4000.000	ng/ml	0.00
Standard Area 1 = 882756			Recovery = 95.68%			
32) Chrysene-d12	6.788	240	601344	4000.000	ng/ml	0.00
Standard Area 1 = 719687			Recovery = 83.56%			
37) Perylene-d12	8.002	264	556664	4000.000	ng/ml	0.00
Standard Area 1 = 645429			Recovery = 86.25%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.901	112	21675	390.172	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 19.51%			
4) Phenol-d6	2.343	99	22746	334.745	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 16.74%			
8) Nitrobenzene-d5	2.822	82	42098	733.552	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 73.36%			
14) 2-Fluorobiphenyl	3.865	172	114940	783.507	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 78.35%			
22) 2,4,6-Tribromophenol	4.744	330	16875	906.961	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 45.35%			
31) 4-Terphenyl-d14	6.135	244	126370	692.218	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 69.22%			
Target Compounds						Qvalue
7) Hexachloroethane	0.000		0	N.D.	d	
10) Naphthalene	3.238	128	645M6	3.391	ng/ml	
11) Hexachlorobutadiene	0.000		0	N.D.	d	
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	0.000		0	N.D.		
26) Pentachlorophenol	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251129RVT\
Data File : 75576-08.D
Acq On : 29 Nov 2025 03:13 pm
Operator : sv119:jjw
Sample : L2575576-08,32,,csn
Misc : wg2147402,WG2147285,ical22823
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 30 14:31:10 2025
Quant Method : I:\8270sim\sv119\251129RVT\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 11:31:58 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\251129RVT\ccv1129.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
33) Benzo[a]anthracene	0.000		0	N.D.	d	
35) Chrysene	0.000		0	N.D.	d	
38) Benzo[b]fluoranthene	0.000		0	N.D.	d	
39) Benzo[k]fluoranthene	0.000		0	N.D.	d	
40) Benzo[a]pyrene	0.000		0	N.D.	d	
41) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
42) Dibenzo[a,h]anthracene	0.000		0	N.D.		
43) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

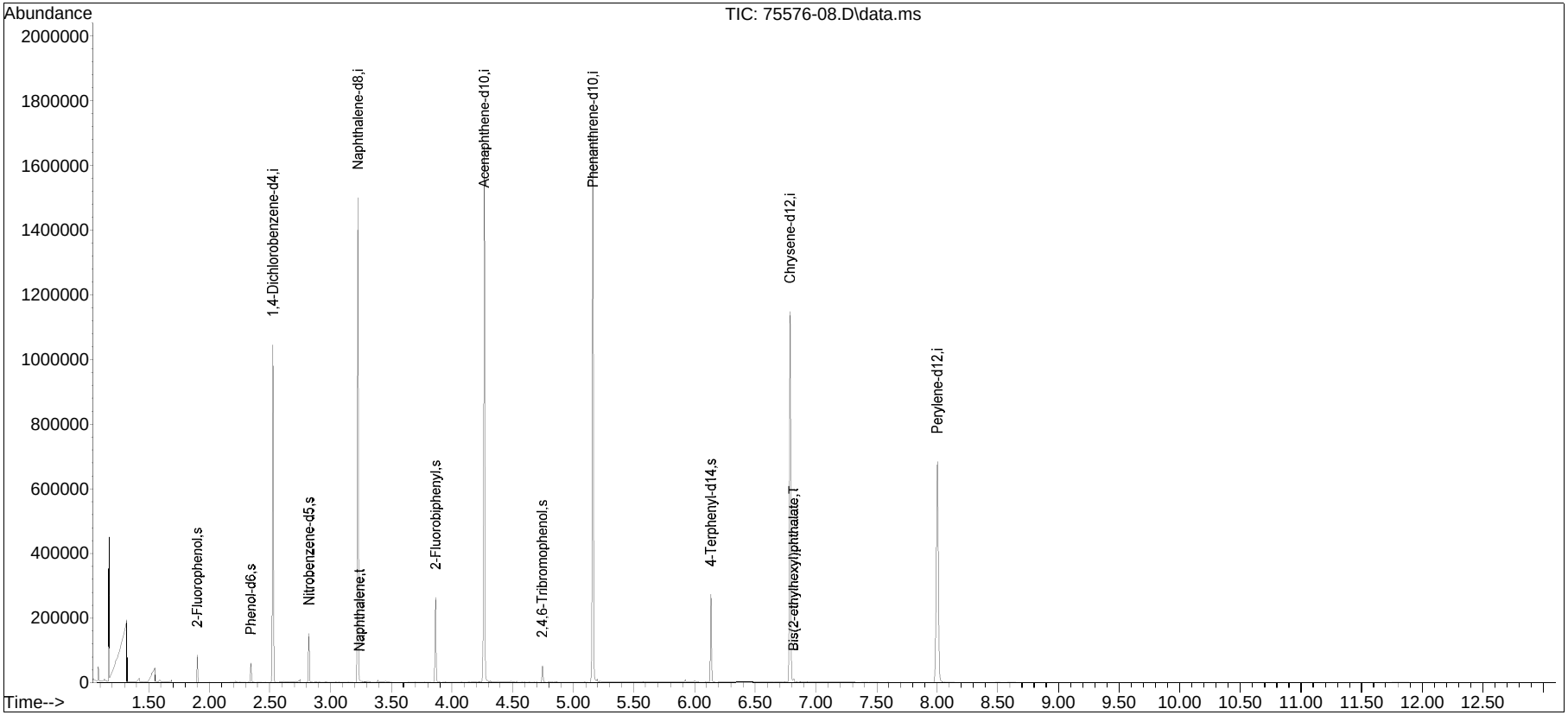
(#) = qualifier out of range (m) = manual integration (+) = signals summed

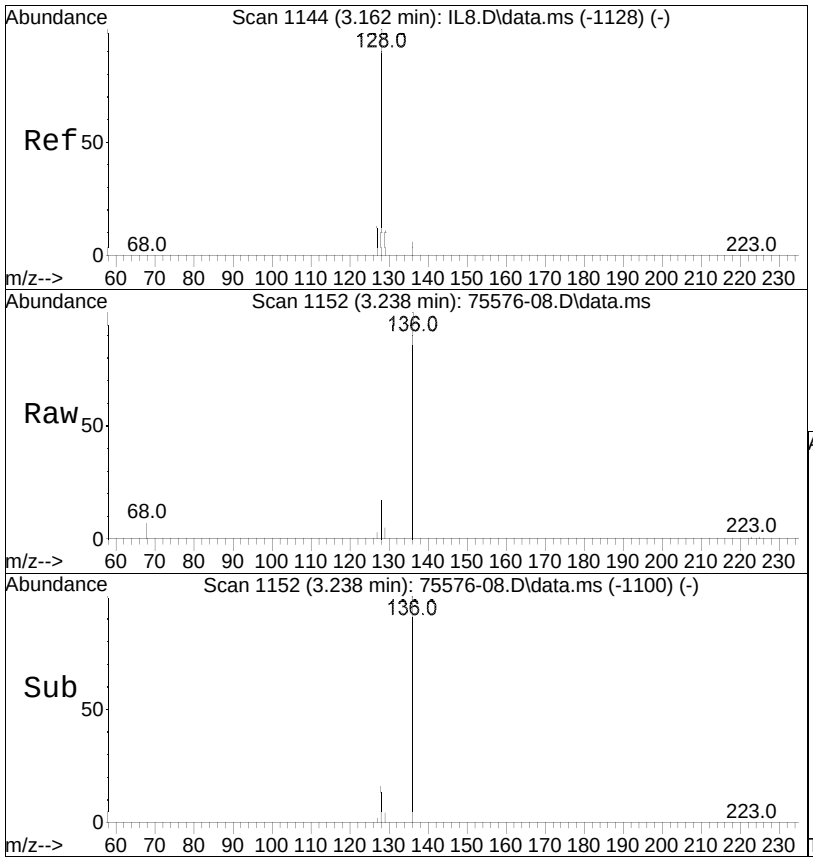
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251129RVT\
Data File : 75576-08.D
Acq On : 29 Nov 2025 03:13 pm
Operator : sv119:jjw
Sample : L2575576-08,32,,csn
Misc : wg2147402,WG2147285,ical22823
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 30 14:31:10 2025
Quant Method : I:\8270sim\sv119\251129RVT\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 11:31:58 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1129.D•

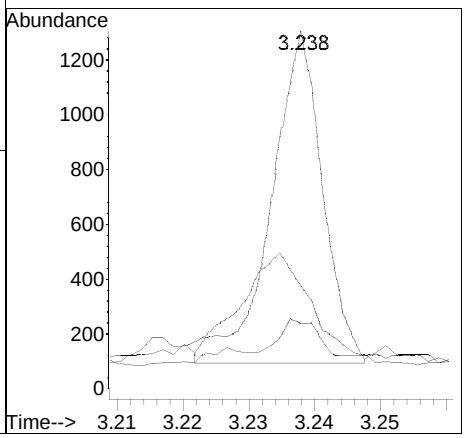




#10
Naphthalene
Concen: 3.39 ng/ml M6
RT: 3.238 min Scan# 1152
Delta R.T. 0.004 min
Lab File: 75576-08.D
Acq: 29 Nov 2025 03:13 pm

Tgt Ion:128 Resp: 645

Ion	Ratio	Lower	Upper
128	100		
129	50.2	8.8	13.2#
127	8.7	10.5	15.7#

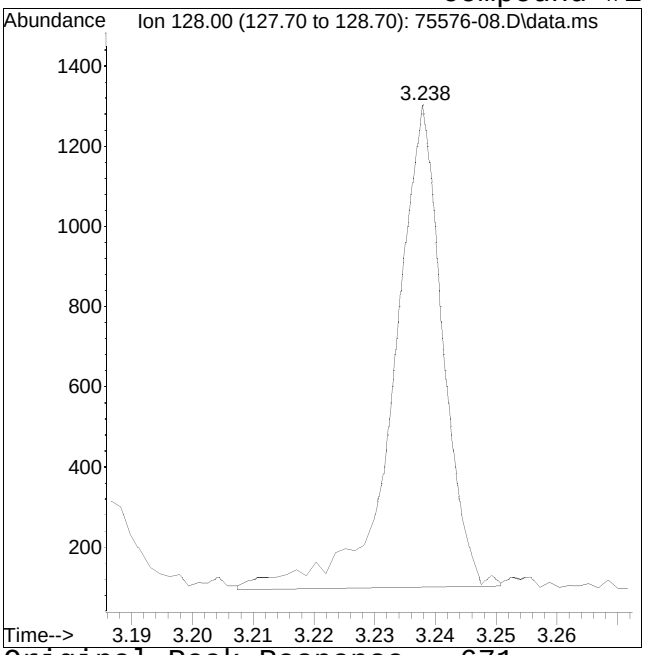


Manual Integration Report

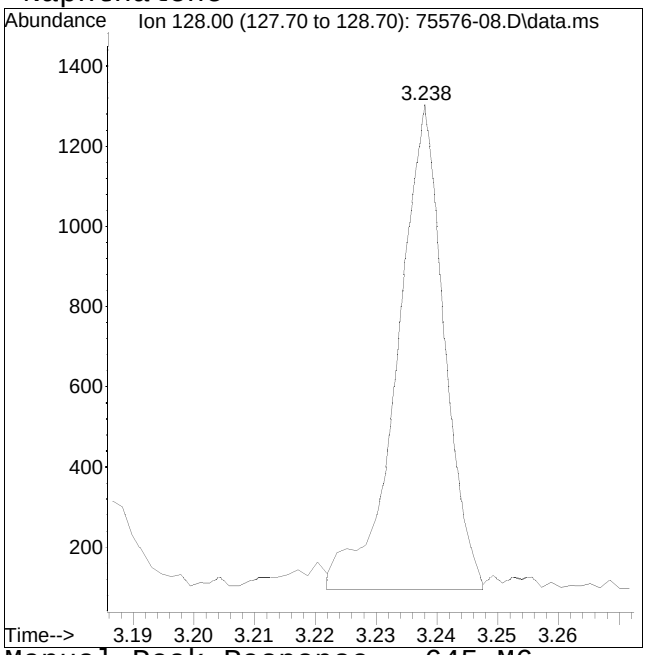
Data Path : I:\8270SIM\sv119\251129RVTQ
Data File : 75576-08.D
Date Inj'd : 11/29/2025 3:13 pm
Sample : L2575576-08,32,,csn

Method : SIM-RVT_251114_sv119.M
Operator : sv119:jjw
Instrument : SV119
Quant Date : 11/29/2025 3:27 pm

Compound #10: Naphthalene



Original Peak Response = 671



Manual Peak Response = 645 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2575576**
Project Name	**: 1000 TURK HILL RD GWS**	**Project Number**	**: 3113.0001Y000**
Instrument ID	**: SV119**	**Ical Ref**	**: ICAL22823**
Calibration dates	**: 11/14/25 12:11 11/14/25 15:01**		

Calibration Files
L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
L9 =IL9.D L10 =IL10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1)	i	1,4-Dichlorobenzene-d4	----------ISTD----------											
2)	T	N-Nitrosodimethylamine			0.830	0.670	0.681	0.765	0.743	0.765	0.765	0.748	0.746	6.82
3)	s	2-Fluorophenol	1.358	1.249	1.088	1.128	1.073	1.179	1.116	1.133	1.104	1.074	1.150	7.85
4)	s	Phenol-d6		1.548	1.313	1.368	1.296	1.438	1.397	1.438	1.434	1.432	1.407	5.40
5)	T	bis(2-Chloroethyl)ether		1.536	1.269	1.233	1.167	1.267	1.212	1.235	1.217	1.194	1.259	8.65
6)	T	n-Nitrosodi-n-propylamine	1.096	0.712	0.727	0.751	0.745	0.829	0.820	0.861	0.890	0.911	0.834	13.84
7)	t	Hexachloroethane		0.574	0.503	0.533	0.482	0.524	0.495	0.510	0.508	0.506	0.515	5.19
8)	s	Nitrobenzene-d5	1.334	1.149	1.059	1.121	1.081	1.189	1.174	1.236	1.265	1.275	1.188	7.51
9)	i	Naphthalene-d8	----------ISTD----------											
10)	t	Naphthalene	1.136	1.098	1.029	1.054	0.998	1.066	0.999	1.018	0.995	0.973	1.037	4.97
11)	t	Hexachlorobutadiene	0.187	0.180	0.169	0.168	0.162	0.177	0.166	0.168	0.165	0.162	0.171	4.85
12)	t	2-Methylnaphthalene	0.718	0.667	0.616	0.640	0.604	0.665	0.627	0.638	0.617	0.598	0.639	5.64
13)	t	1-Methylnaphthalene	0.693	0.690	0.622	0.639	0.620	0.676	0.636	0.644	0.623	0.605	0.645	4.79
14)	s	2-Fluorobiphenyl	0.918	0.817	0.762	0.792	0.766	0.837	0.782	0.798	0.777	0.746	0.799	6.17
15)	t	2-Chloronaphthalene	0.730	0.690	0.653	0.668	0.658	0.707	0.669	0.686	0.667	0.656	0.678	3.66
16)	t	2,6-Dinitrotoluene		0.176	0.133	0.127	0.117	0.130	0.136	0.152	0.166	0.170	0.145	14.75
17)	t	Acenaphthylene	1.092	1.186	0.988	1.030	0.999	1.107	1.077	1.114	1.102	1.071	1.077	5.47
18)	i	Acenaphthene-d10	----------ISTD----------											
19)	t	Acenaphthene	1.448	1.411	1.289	1.323	1.275	1.392	1.300	1.328	1.310	1.276	1.335	4.53
20)	t	2,4-Dinitrotoluene		0.343	0.282	0.276	0.277	0.317	0.344	0.389	0.423	0.436	0.343	17.99
21)	t	Fluorene	1.662	1.679	1.476	1.503	1.426	1.590	1.487	1.540	1.505	1.466	1.533	5.51
22)	s	2,4,6-Tribromophenol		0.200	0.155	0.158	0.160	0.171	0.168	0.177	0.182	0.181	0.172	8.25
23)	i	Phenanthrene-d10	----------ISTD----------											
24)	T	4,6-Dinitro-o-cresol					0.067	0.077	0.086	0.100	0.114	0.123	*L	0.9932
25)	t	Hexachlorobenzene	0.253	0.232	0.213	0.219	0.205	0.222	0.208	0.214	0.211	0.210	0.219	6.64
26)	t	Pentachlorophenol	1.053	0.798	0.222	0.175	0.085	0.098	0.106	0.121	0.132	0.137	*L	0.9923
27)	t	Phenanthrene		1.217	1.108	1.132	1.063	1.160	1.105	1.113	1.096	1.052	1.116	4.46
28)	t	Anthracene		1.116	1.062	1.114	1.052	1.149	1.084	1.114	1.091	1.074	1.095	2.83
29)	t	Fluoranthene		1.330	1.221	1.247	1.189	1.288	1.232	1.249	1.238	1.197	1.243	3.52
30)	t	Pyrene		1.480	1.254	1.276	1.225	1.342	1.274	1.298	1.274	1.220	1.294	6.10
31)	s	4-Terphenyl-d14		0.963	0.854	0.870	0.836	0.908	0.865	0.874	0.832	0.780	0.865	5.92
32)	i	Chrysene-d12	----------ISTD----------											
33)	t	Benzo[a]anthracene			0.483	0.426	0.352	0.380	0.352	0.364	0.368	0.373	0.387	11.68
34)	t	3,3'-Dichlorobenzidine		0.471	0.355	0.361	0.363	0.420	0.422	0.446	0.476	0.495	0.423	12.65
35)	t	Chrysene	1.425	1.340	1.219	1.257	1.209	1.341	1.260	1.285	1.263	1.261	1.286	5.06
36)	T	bis(2-Ethylhexyl)phthalate	1.059	0.895	0.726	0.726	0.624	0.663	0.654	0.711	0.791	0.868	0.772	17.43

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2575576**
Project Name	**: 1000 TURK HILL RD GWS**	**Project Number**	**: 3113.0001Y000**
Instrument ID	**: SV119**	**Ical Ref**	**: ICAL22823**
Calibration dates	**: 11/14/25 12:11 11/14/25 15:01**		

Calibration Files
L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
L9 =IL9.D L10 =IL10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
37)	i	Perylene-d12	----------ISTD----------											
38)	t	Benzo[b]fluoranthene	1.379	1.277	1.291	1.236	1.343	1.226	1.277	1.278	1.240	1.283	3.92	
39)	t	Benzo[k]fluoranthene	1.341	1.192	1.276	1.221	1.337	1.293	1.310	1.269	1.275	1.279	3.85	
40)	t	Benzo[a]pyrene	1.207	1.081	1.128	1.066	1.164	1.109	1.142	1.147	1.152	1.133	3.81	
41)	t	Indeno[1,2,3-cd]pyrene	0.967	0.880	0.910	0.888	0.948	0.905	0.958	0.982	1.010	0.939	4.80	
42)	t	Dibenzo[a,h]anthracene	0.825	0.741	0.821	0.809	0.877	0.895	0.918	0.953	0.977	0.868	8.73	
43)	t	Benzo[g,h,i]perylene	0.940	0.860	0.906	0.891	0.935	0.906	0.946	0.949	0.974	0.923	3.80	

Response Factor Report SV119

Method Path : I:\8270SIM\sv119\251114RVTical\
Method File : SIM-RVT_251114_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Nov 18 16:40:51 2025
Response Via : Initial Calibration

Calibration Files
L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
L9 =IL9.D L10 =IL10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1)	i	1,4-Dichlorobenzene-d4	ISTD											
2)	T	N-Nitrosodimethylamine			0.830	0.670	0.681	0.765	0.743	0.765	0.765	0.748	0.746	6.82
3)	s	2-Fluorophenol	1.358	1.249	1.088	1.128	1.073	1.179	1.116	1.133	1.104	1.074	1.150	7.85
4)	s	Phenol-d6			1.548	1.313	1.368	1.296	1.438	1.397	1.438	1.434	1.432	1.407	5.40
5)	T	bis(2-Chloroethyl)ether			1.536	1.269	1.233	1.167	1.267	1.212	1.235	1.217	1.194	1.259	8.65
6)	T	n-Nitrosodi-n-propylamine	1.096	0.712	0.727	0.751	0.745	0.829	0.820	0.861	0.890	0.911	0.834	13.84
7)	t	Hexachloroethane			0.574	0.503	0.533	0.482	0.524	0.495	0.510	0.508	0.506	0.515	5.19
8)	s	Nitrobenzene-d5	1.334	1.149	1.059	1.121	1.081	1.189	1.174	1.236	1.265	1.275	1.188	7.51
9)	i	Naphthalene-d8	ISTD											
10)	t	Naphthalene	1.136	1.098	1.029	1.054	0.998	1.066	0.999	1.018	0.995	0.973	1.037	4.97
11)	t	Hexachlorobutadiene	0.187	0.180	0.169	0.168	0.162	0.177	0.166	0.168	0.165	0.162	0.171	4.85
12)	t	2-Methylnaphthalene	0.718	0.667	0.616	0.640	0.604	0.665	0.627	0.638	0.617	0.598	0.639	5.64
13)	t	1-Methylnaphthalene	0.693	0.690	0.622	0.639	0.620	0.676	0.636	0.644	0.623	0.605	0.645	4.79
14)	s	2-Fluorobiphenyl	0.918	0.817	0.762	0.792	0.766	0.837	0.782	0.798	0.777	0.746	0.799	6.17
15)	t	2-Chloronaphthalene	0.730	0.690	0.653	0.668	0.658	0.707	0.669	0.686	0.667	0.656	0.678	3.66
16)	t	2,6-Dinitrotoluene			0.176	0.133	0.127	0.117	0.130	0.136	0.152	0.166	0.170	0.145	14.75
17)	t	Acenaphthylene	1.092	1.186	0.988	1.030	0.999	1.107	1.077	1.114	1.102	1.071	1.077	5.47
18)	i	Acenaphthene-d10	ISTD											
19)	t	Acenaphthene	1.448	1.411	1.289	1.323	1.275	1.392	1.300	1.328	1.310	1.276	1.335	4.53
20)	t	2,4-Dinitrotoluene			0.343	0.282	0.276	0.277	0.317	0.344	0.389	0.423	0.436	0.343	17.99
21)	t	Fluorene	1.662	1.679	1.476	1.503	1.426	1.590	1.487	1.540	1.505	1.466	1.533	5.51
22)	s	2,4,6-Tribromophenol			0.200	0.155	0.158	0.160	0.171	0.168	0.177	0.182	0.181	0.172	8.25
23)	i	Phenanthrene-d10	ISTD											
24)	T	4,6-Dinitro-o-cresol					0.067	0.077	0.086	0.100	0.114	0.123	*L	0.9932
25)	t	Hexachlorobenzene	0.253	0.232	0.213	0.219	0.205	0.222	0.208	0.214	0.211	0.210	0.219	6.64
26)	t	Pentachlorophenol	1.053	0.798	0.222	0.175	0.085	0.098	0.106	0.121	0.132	0.137	*L	0.9923
27)	t	Phenanthrene			1.217	1.108	1.132	1.063	1.160	1.105	1.113	1.096	1.052	1.116	4.46
28)	t	Anthracene			1.116	1.062	1.114	1.052	1.149	1.084	1.114	1.091	1.074	1.095	2.83
29)	t	Fluoranthene			1.330	1.221	1.247	1.189	1.288	1.232	1.249	1.238	1.197	1.243	3.52
30)	t	Pyrene			1.480	1.254	1.276	1.225	1.342	1.274	1.298	1.274	1.220	1.294	6.10
31)	s	4-Terphenyl-d14			0.963	0.854	0.870	0.836	0.908	0.865	0.874	0.832	0.780	0.865	5.92
32)	i	Chrysene-d12	ISTD											
33)	t	Benzo[a]anthracene			0.483	0.426	0.352	0.380	0.352	0.364	0.368	0.373	0.387	11.68
34)	t	3,3'-Dichlorobenzidine			0.471	0.355	0.361	0.363	0.420	0.422	0.446	0.476	0.495	0.423	12.65
35)	t	Chrysene	1.425	1.340	1.219	1.257	1.209	1.341	1.260	1.285	1.263	1.261	1.286	5.06
36)	T	bis(2-Ethylhexyl)phthalate	1.059	0.895	0.726	0.726	0.624	0.663	0.654	0.711	0.791	0.868	0.772	17.43
37)	i	Perylene-d12	ISTD											
38)	t	Benzo[b]fluora...			1.379	1.277	1.291	1.236	1.343	1.226	1.277	1.278	1.240	1.283	3.92
39)	t	Benzo[k]fluora...			1.341	1.192	1.276	1.221	1.337	1.293	1.310	1.269	1.275	1.279	3.85
40)	t	Benzo[a]pyrene			1.207	1.081	1.128	1.066	1.164	1.109	1.142	1.147	1.152	1.133	3.81
41)	t	Indeno[1,2,3-c...			0.967	0.880	0.910	0.888	0.948	0.905	0.958	0.982	1.010	0.939	4.80
42)	t	Dibenzo[a,h]anthracene			0.825	0.741	0.821	0.809	0.877	0.895	0.918	0.953	0.977	0.868	8.73
43)	t	Benzo[g,h,i]pe...			0.940	0.860	0.906	0.891	0.935	0.906	0.946	0.949	0.974	0.923	3.80

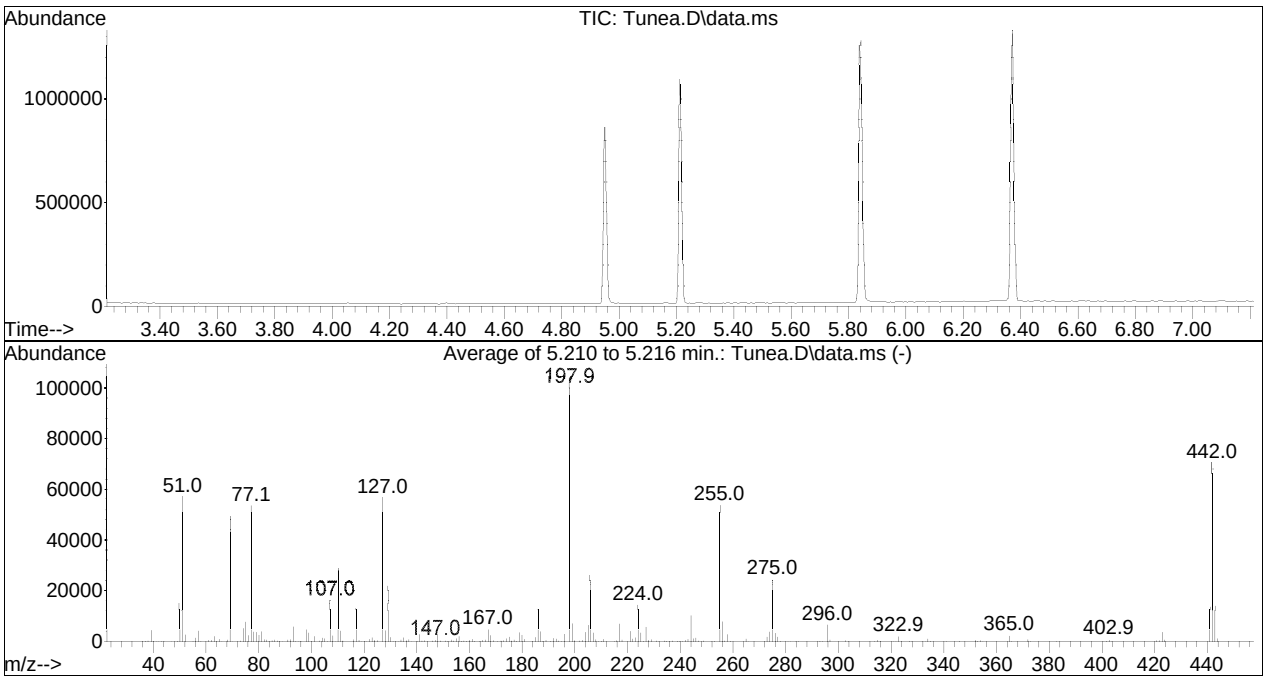
(#) = Out of Range

DFTPP

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : Tunea.D
Acq On : 14 Nov 2025 11:53 am
Operator : sv119:rp
Sample : Tune lot# 12020
Misc : WG2143411,,ical
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Nov 18 16:40:51 2025



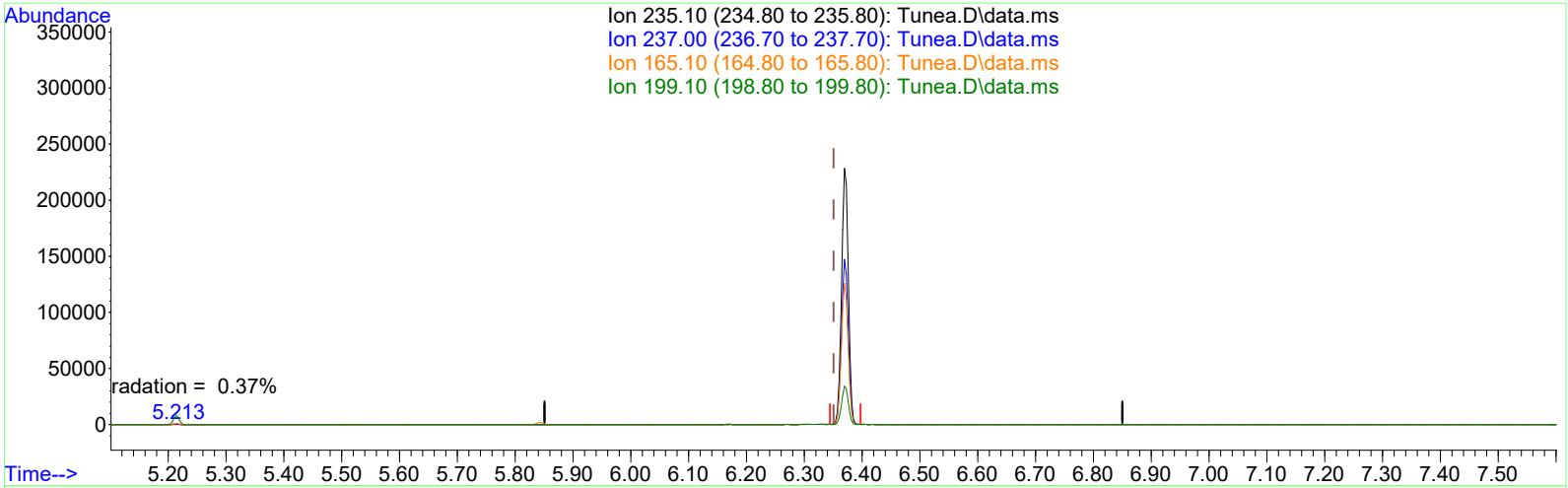
Spectrum Information: Average of 5.210 to 5.216 min.

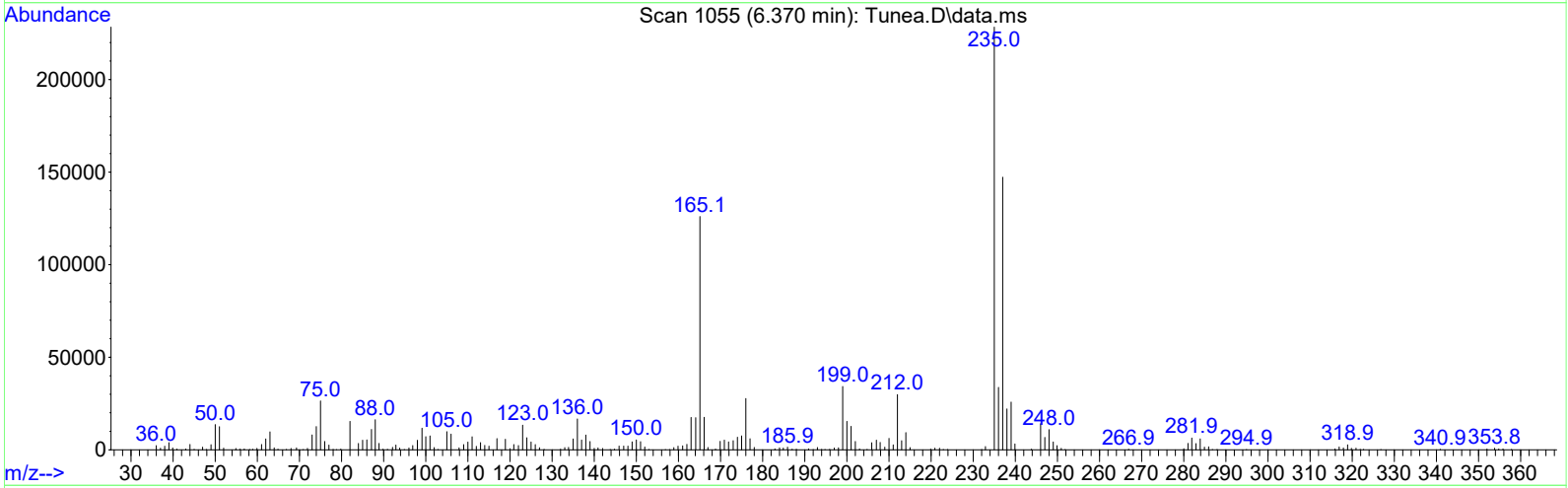
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	54.9	57134	PASS
68	69	0.00	2	1.8	878	PASS
69	69	100	100	100.0	49205	PASS
70	69	0.00	2	0.4	218	PASS
127	198	10	80	54.5	56752	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	104040	PASS
199	198	5	9	6.7	6999	PASS
275	198	10	60	23.4	24397	PASS
365	198	1	100	2.3	2387	PASS
441	442	0.01	24	19.2	13543	PASS
442	198	50	100	67.7	70397	PASS
443	442	15	24	19.8	13941	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : Tunea.D
Acq On : 14 Nov 2025 11:53 am
Operator : sv119:rp
Sample : Tune lot# 12020
Misc : WG2143411,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 14 12:06:50 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Aug 30 16:19:40 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools™ [Tune lot# 12020]

(6) ddt (T)

6.370min (+ 0.019) 30.42

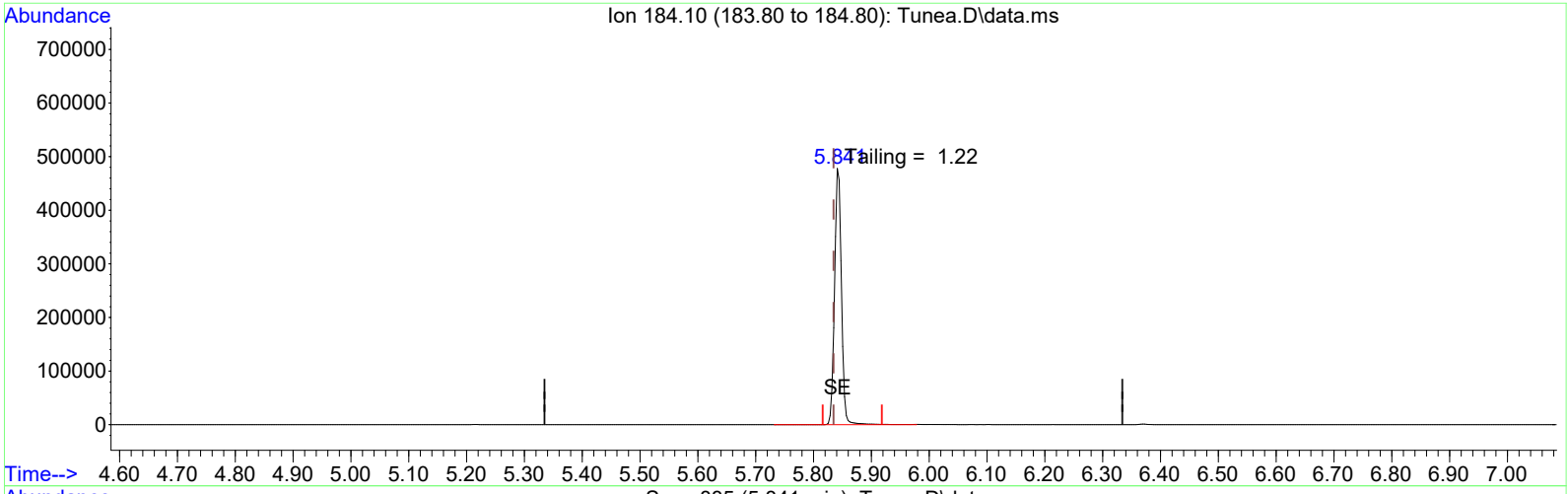
response 185422

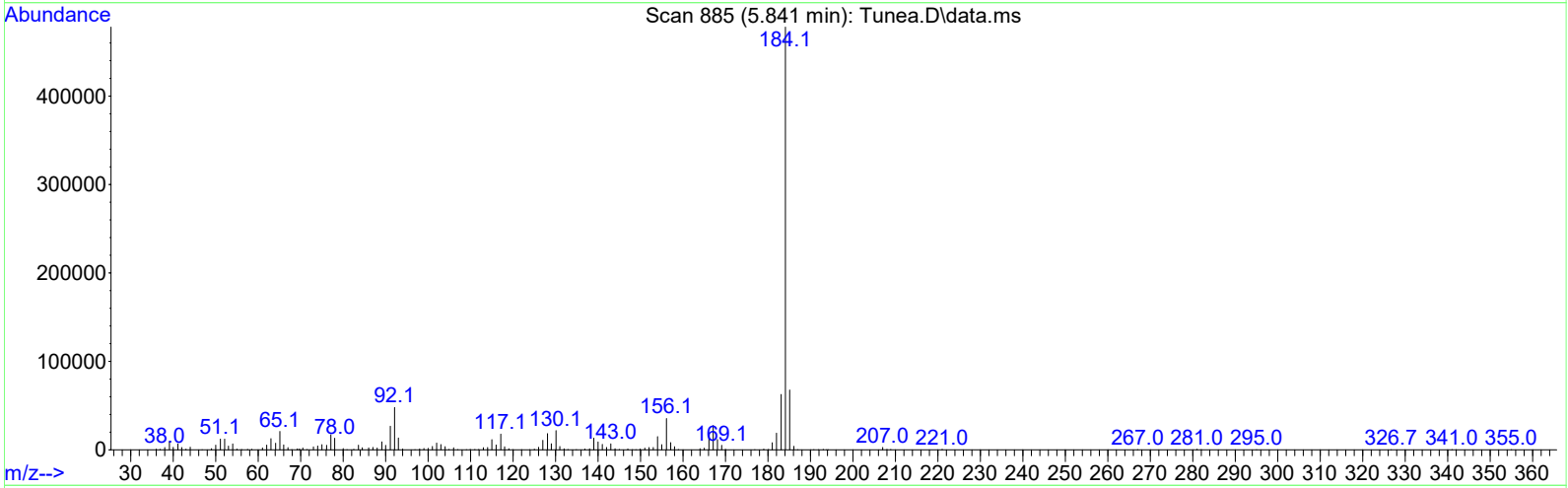
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	64.92
165.10	53.30	54.53
199.10	17.10	15.15

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : Tunea.D
Acq On : 14 Nov 2025 11:53 am
Operator : sv119:rp
Sample : Tune lot# 12020
Misc : WG2143411,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 14 12:06:50 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Aug 30 16:19:40 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools™ [Tune lot# 12020]

(3) benzidine (T)

5.841min (+ 0.006) 38.73

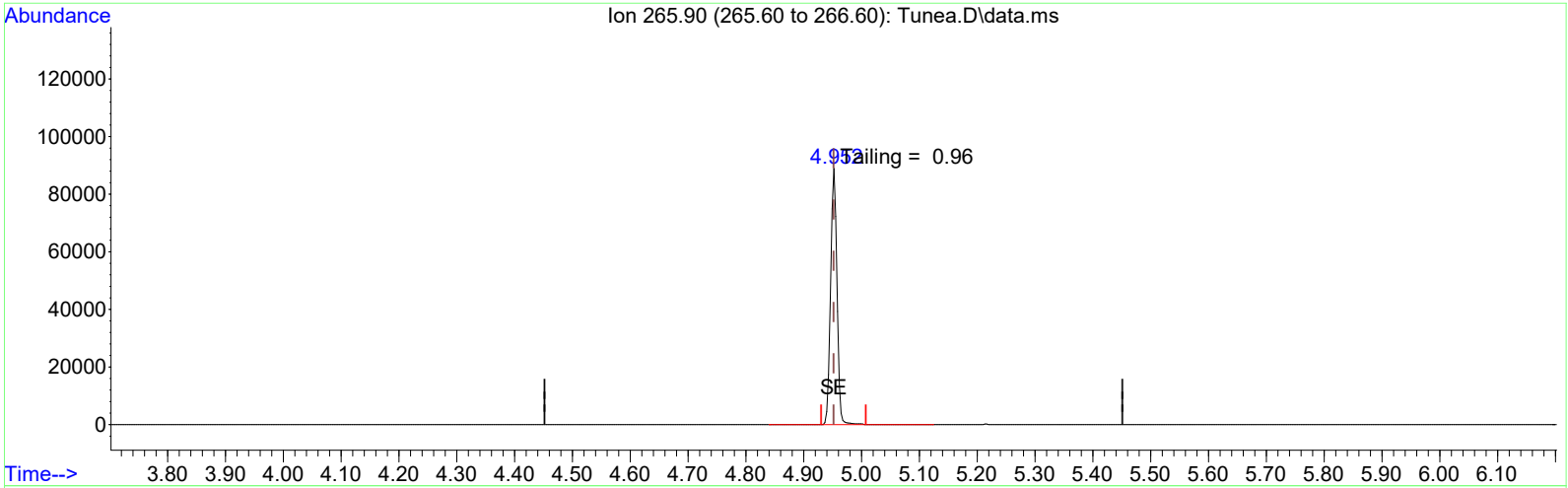
response 394311

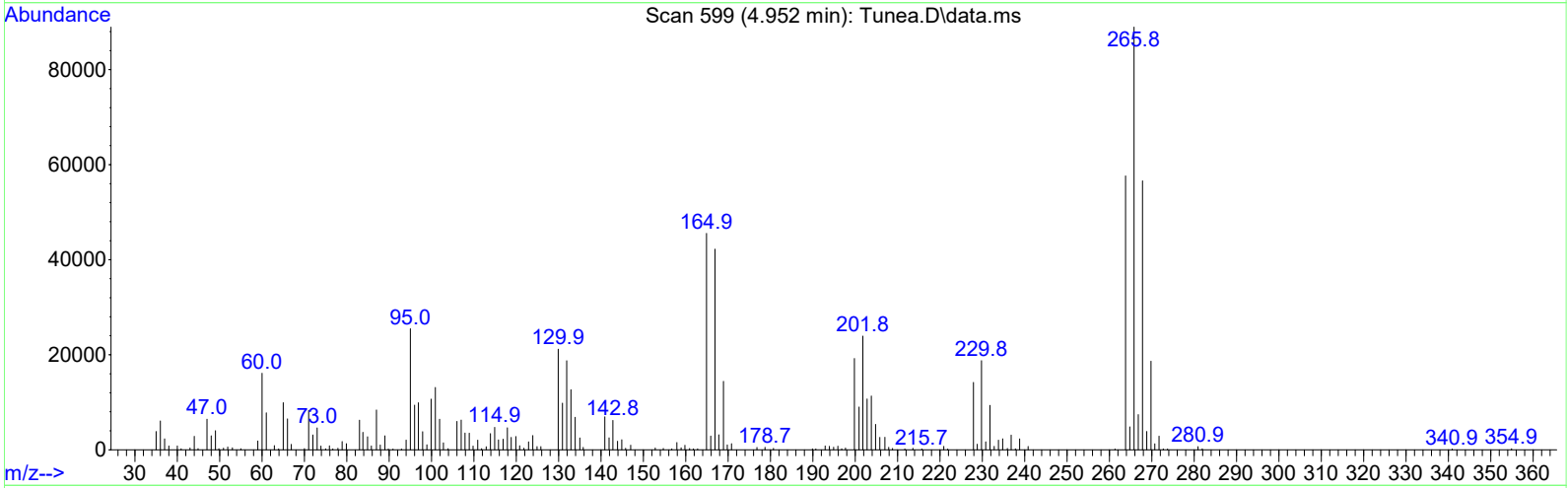
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : Tunea.D
Acq On : 14 Nov 2025 11:53 am
Operator : sv119:rp
Sample : Tune lot# 12020
Misc : WG2143411,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 14 12:06:50 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Aug 30 16:19:40 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools™ [Tune lot# 12020]

(1) pentachlorophenol (T)

4.952min (+ 0.000) 32.47

response 68200

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL10.D
Acq On : 14 Nov 2025 12:11 pm
Operator : sv119:rp
Sample : IL10,32,,5000.0 ng/mL #12033
Misc : WG2143411,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 18 14:30:09 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:30:13 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\251114RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.587	152	175994	4000.000	ng/ml	0.00
Standard Area 1 = 175492			Recovery	= 100.29%		
9) Naphthalene-d8	3.292	136	711098	4000.000	ng/ml	0.00
Standard Area 1 = 692240			Recovery	= 102.72%		
18) Acenaphthene-d10	4.330	164	375379	4000.000	ng/ml	0.00
Standard Area 1 = 369268			Recovery	= 101.65%		
23) Phenanthrene-d10	5.222	188	754835	4000.000	ng/ml	0.00
Standard Area 1 = 766794			Recovery	= 98.44%		
32) Chrysene-d12	6.884	240	601467	4000.000	ng/ml	0.00
Standard Area 1 = 658278			Recovery	= 91.37%		
37) Perylene-d12	8.151	264	534957	4000.000	ng/ml	0.00
Standard Area 1 = 558973			Recovery	= 95.70%		
System Monitoring Compounds						
3) 2-Fluorophenol	1.953	112	236191	4666.790	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 233.34%#		
4) Phenol-d6	2.385	99	314937	5087.339	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 254.37%#		
8) Nitrobenzene-d5	2.886	82	280470	5364.301	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 536.43%#		
14) 2-Fluorobiphenyl	3.927	172	662714	4663.501	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 466.35%#		
22) 2,4,6-Tribromophenol	4.806	330	84953	5253.148	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 262.66%#		
31) 4-Terphenyl-d14	6.203	244	735536	4508.284	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 450.83%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.426	74	164578	5015.699	ng/mL	100
5) Bis(2-chloroethyl)ether	2.441	93	262697	4756.060	ng/ml	100
6) n-nitrosodi-n-propylamine	2.802	70	200329	5548.063	ng/ml	99
7) Hexachloroethane	2.865	117	111290	4911.328	ng/ml	100
10) Naphthalene	3.305	128	865115	4694.571	ng/ml	100
11) Hexachlorobutadiene	3.384	225	143941	4747.233	ng/ml	99
12) 2-Methylnaphthalene	3.709	142	531591	4679.299	ng/ml	99
13) 1-Methylnaphthalene	3.767	142	537520	4689.751	ng/ml	99
15) 2-Chloronaphthalene	3.997	162	583046	4834.482	ng/ml	99
16) 2,6-Dinitrotoluene	4.206	165	151330	5856.759	ng/ml	96
17) Acenaphthylene	4.245	152	952284	4975.554	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL10.D
Acq On : 14 Nov 2025 12:11 pm
Operator : sv119:rp
Sample : IL10,32,,5000.0 ng/mL #12033
Misc : WG2143411,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 18 14:30:09 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:30:13 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\251114RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	4.352	153	598889	4781.957	ng/ml	96
20) 2,4-Dinitrotoluene	4.446	165	204612	6305.483	ng/ml	94
21) Fluorene	4.659	166	688038	4781.460	ng/ml	99
24) 4,6-Dinitro-o-cresol	4.692	198	116384	6164.043	ng/ml	98
25) Hexachlorobenzene	4.999	284	197709	4810.190	ng/ml	98
26) Pentachlorophenol	5.113	266	129473	5235.392	ng/ml	100
27) Phenanthrene	5.238	178	992813	4713.484	ng/ml	100
28) Anthracene	5.267	178	1013028	4901.809	ng/ml	99
29) Fluoranthene	5.962	202	1129512	4813.932	ng/ml	99
30) Pyrene	6.104	202	1150688	4713.897	ng/ml	100
33) Benzo[a]anthracene	6.874	226	280156	4811.173	ng/ml	98
34) 3,3'-Dichlorobenzidine	6.860	252	372532	5854.412	ng/ml	99
35) Chrysene	6.902	228	948060	4938.504	ng/ml	99
36) Bis(2-ethylhexyl)phtha...	6.909	149	652492	5623.305	ng/ml	100
38) Benzo[b]fluoranthene	7.765	252	829260	4832.707	ng/ml	98
39) Benzo[k]fluoranthene	7.789	252	852774	4984.740	ng/ml	99
40) Benzo[a]pyrene	8.090	252	770117	5083.209	ng/ml	100
41) Indeno[1,2,3-cd]pyrene	9.435	276	675662	5381.740	ng/ml	98
42) Dibenzo[a,h]anthracene	9.473	278	653108M6	5623.862	ng/ml	
43) Benzo[g,h,i]perylene	9.795	276	651507	5277.006	ng/ml	99

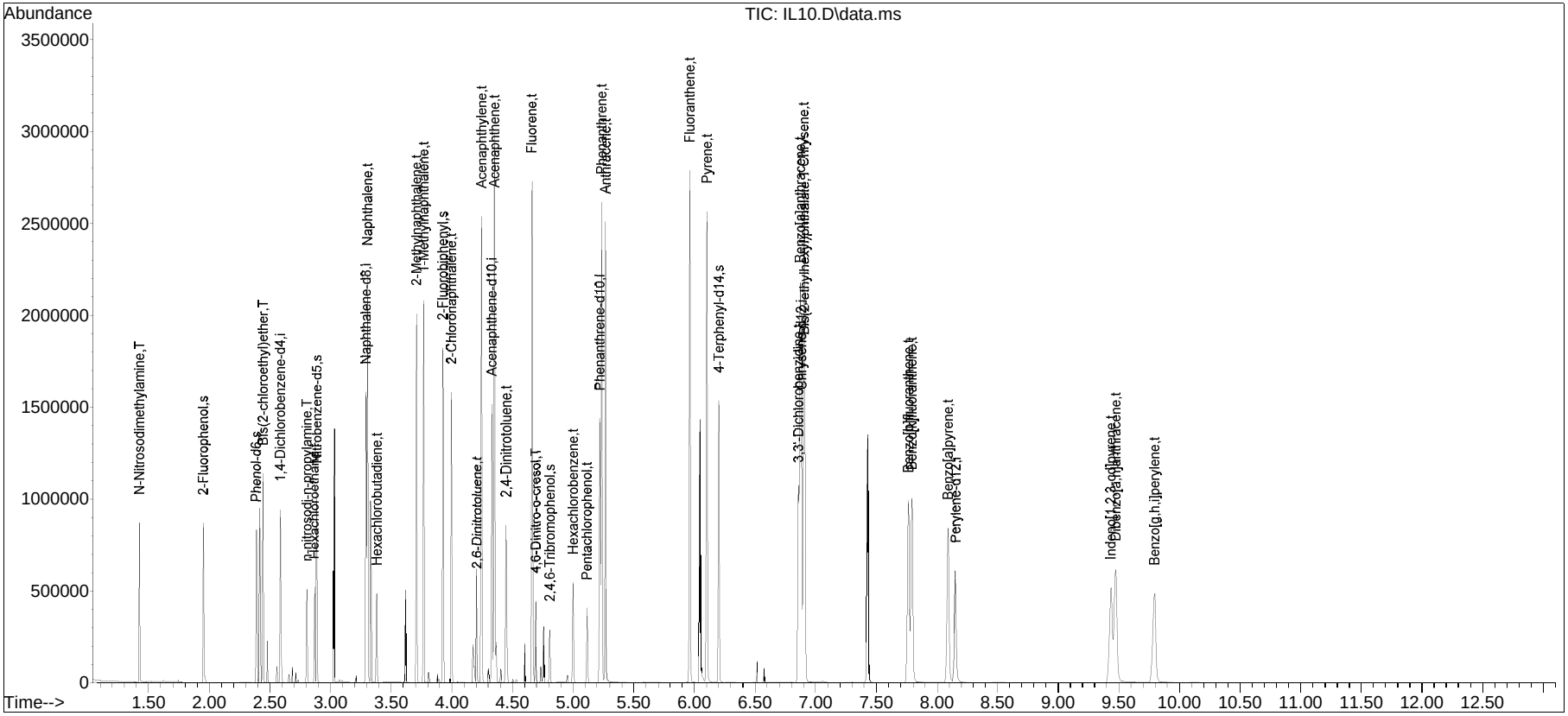
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL10.D
Acq On : 14 Nov 2025 12:11 pm
Operator : sv119:rp
Sample : IL10,32,,5000.0 ng/mL #12033
Misc : WG2143411,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 18 14:30:09 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:30:13 2025
Response via : Initial Calibration

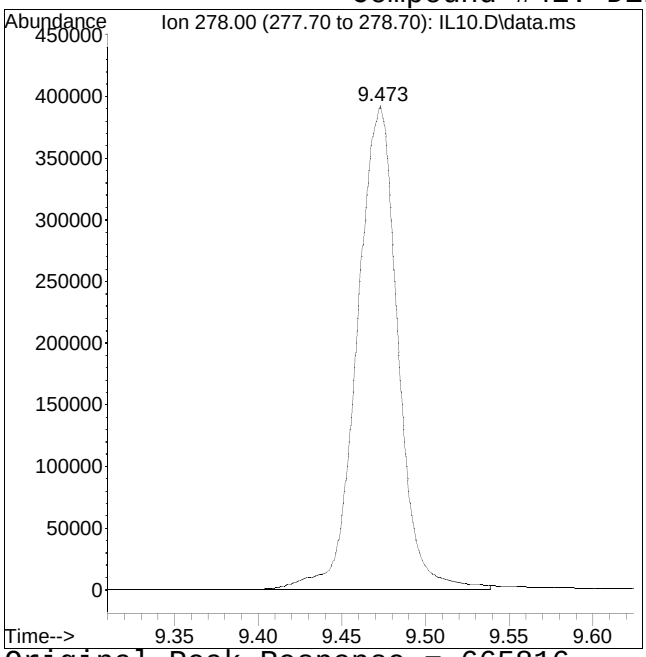
Sub List : Default - All compounds listedical\IL8.D•



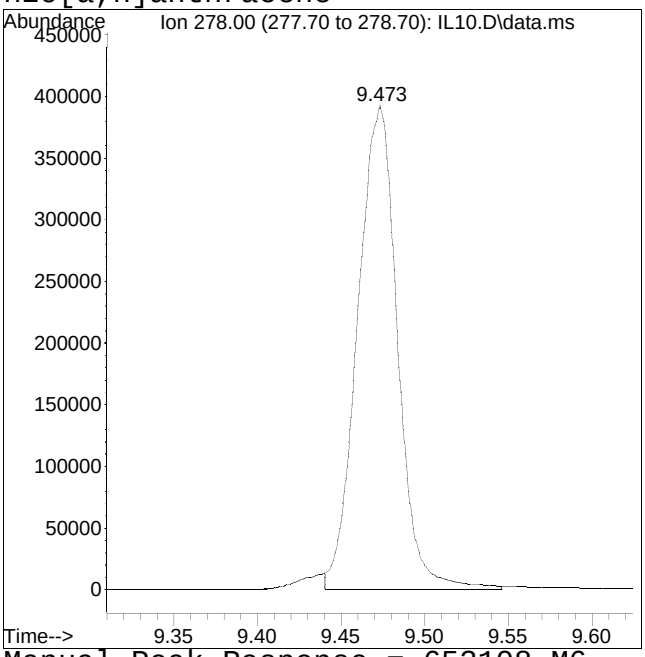
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQMethod : SIM-RVT_251114_sv119.M
Data File : IL10.D Operator : sv119:rp
Date Inj'd : 11/14/2025 12:11 pm Instrument : SV119
Sample : IL10,32,,5000.0 ng/mL #120Quant Date : 11/18/2025 2:30 pm

Compound #42: Dibenzo[a,h]anthracene



Original Peak Response = 665816



Manual Peak Response = 653108 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL9.D
Acq On : 14 Nov 2025 12:30 pm
Operator : sv119:rp
Sample : IL9,32,,2500.0 ng/mL # 12035
Misc : WG2143411,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 18 14:28:05 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:28:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\251114RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.585	152	171392	4000.000	ng/ml	0.00
Standard Area 1 = 175492			Recovery = 97.66%			
9) Naphthalene-d8	3.290	136	684819	4000.000	ng/ml	0.00
Standard Area 1 = 692240			Recovery = 98.93%			
18) Acenaphthene-d10	4.328	164	364509	4000.000	ng/ml	0.00
Standard Area 1 = 369268			Recovery = 98.71%			
23) Phenanthrene-d10	5.222	188	742370	4000.000	ng/ml	0.00
Standard Area 1 = 766794			Recovery = 96.81%			
32) Chrysene-d12	6.886	240	627777	4000.000	ng/ml	0.00
Standard Area 1 = 658278			Recovery = 95.37%			
37) Perylene-d12	8.156	264	550270	4000.000	ng/ml	0.00
Standard Area 1 = 558973			Recovery = 98.44%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.949	112	118288	2399.954	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 120.00%#			
4) Phenol-d6	2.381	99	153587	2547.586	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 127.38%#			
8) Nitrobenzene-d5	2.882	82	135540	2661.960	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 266.20%#			
14) 2-Fluorobiphenyl	3.924	172	332560	2430.016	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 243.00%#			
22) 2,4,6-Tribromophenol	4.803	330	41384	2635.331	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 131.77%#			
31) 4-Terphenyl-d14	6.203	244	386220	2406.987	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 240.70%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.422	74	81923	2563.733	ng/mL	100
5) Bis(2-chloroethyl)ether	2.437	93	130332	2422.984	ng/ml	100
6) n-nitrosodi-n-propylamine	2.798	70	95372	2712.226	ng/ml	100
7) Hexachloroethane	2.862	117	54377	2464.140	ng/ml	100
10) Naphthalene	3.300	128	425971	2400.246	ng/ml	100
11) Hexachlorobutadiene	3.378	225	70528	2415.301	ng/ml	99
12) 2-Methylnaphthalene	3.703	142	263923	2412.315	ng/ml	100
13) 1-Methylnaphthalene	3.764	142	266636	2415.716	ng/ml	100
15) 2-Chloronaphthalene	3.994	162	285503	2458.167	ng/ml	99
16) 2,6-Dinitrotoluene	4.200	165	71087	2856.776	ng/ml	97
17) Acenaphthylene	4.242	152	471566	2558.416	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL9.D
Acq On : 14 Nov 2025 12:30 pm
Operator : sv119:rp
Sample : IL9,32,,2500.0 ng/mL # 12035
Misc : WG2143411,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 18 14:28:05 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:28:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\251114RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	4.346	153	298500	2454.513	ng/ml	95
20) 2,4-Dinitrotoluene	4.443	165	96431	3060.311	ng/ml	96
21) Fluorene	4.656	166	342891	2453.951	ng/ml	100
24) 4,6-Dinitro-o-cresol	4.689	198	52866	2846.954	ng/ml	99
25) Hexachlorobenzene	4.995	284	97724	2417.512	ng/ml	98
26) Pentachlorophenol	5.112	266	61107	2508.926	ng/ml	99
27) Phenanthrene	5.234	178	508722	2455.765	ng/ml	100
28) Anthracene	5.267	178	506087	2489.956	ng/ml	100
29) Fluoranthene	5.962	202	574591	2490.001	ng/ml	100
30) Pyrene	6.103	202	591029	2461.858	ng/ml	100
33) Benzo[a]anthracene	6.877	226	144342	2374.927	ng/ml	100
34) 3,3'-Dichlorobenzidine	6.863	252	186630	2810.008	ng/ml	99
35) Chrysene	6.905	228	495449	2472.663	ng/ml	100
36) Bis(2-ethylhexyl)phtha...	6.915	149	310362	2562.662	ng/ml	100
38) Benzo[b]fluoranthene	7.767	252	439534	2490.206	ng/ml	100
39) Benzo[k]fluoranthene	7.793	252	436332	2479.526	ng/ml	100
40) Benzo[a]pyrene	8.092	252	394418	2530.935	ng/ml	100
41) Indeno[1,2,3-cd]pyrene	9.433	276	337796	2615.717	ng/ml	99
42) Dibenzo[a,h]anthracene	9.473	278	327613M6	2742.545	ng/ml	
43) Benzo[g,h,i]perylene	9.788	276	326469	2570.712	ng/ml	100

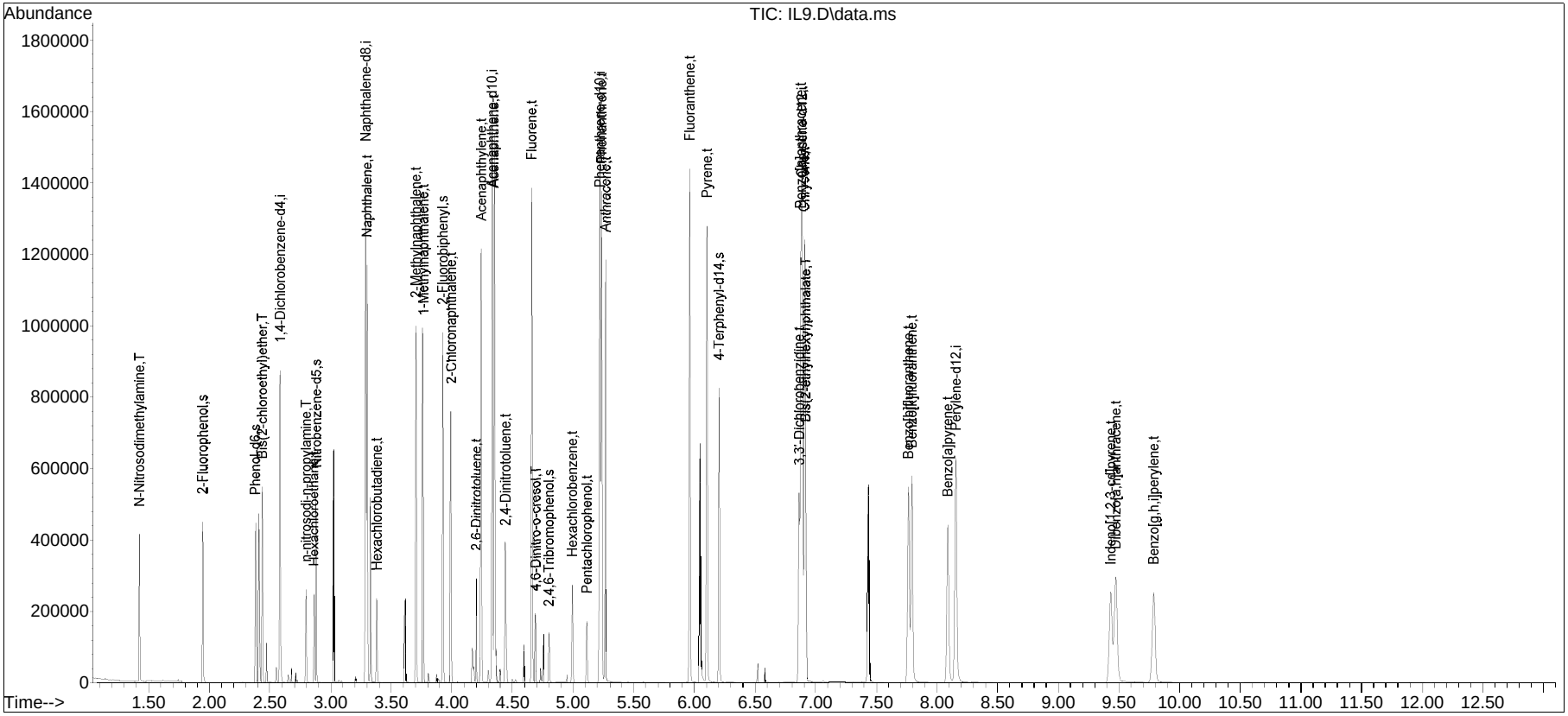
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL9.D
Acq On : 14 Nov 2025 12:30 pm
Operator : sv119:rp
Sample : IL9,32,,2500.0 ng/mL # 12035
Misc : WG2143411,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 18 14:28:05 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:28:40 2025
Response via : Initial Calibration

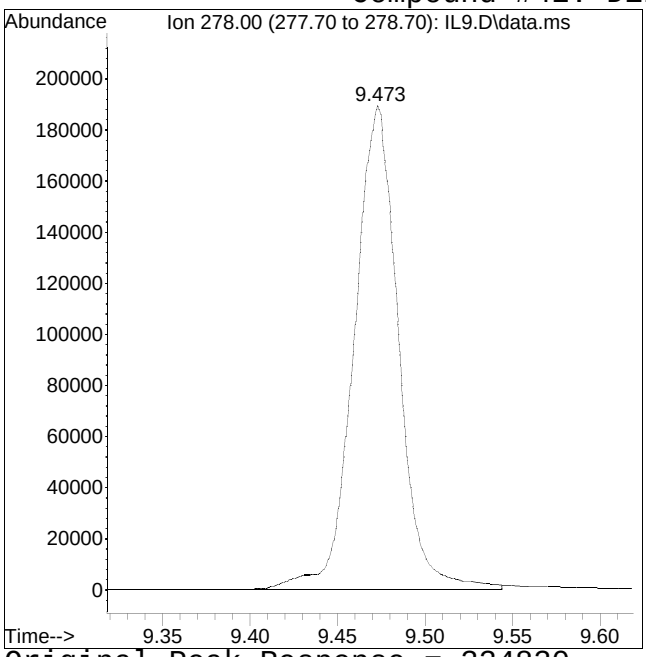
Sub List : Default - All compounds listedical\IL8.D•



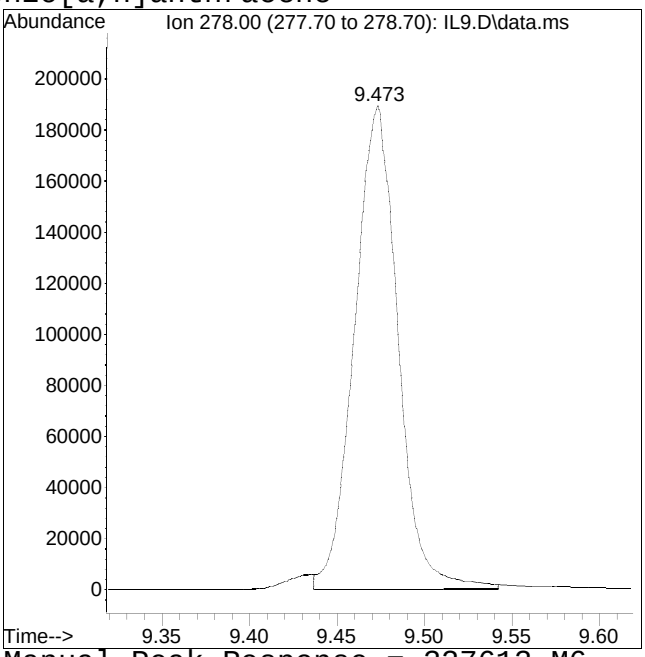
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQMethod : SIM-RVT_251114_sv119.M
Data File : IL9.D Operator : sv119:rp
Date Inj'd : 11/14/2025 12:30 pm Instrument : SV119
Sample : IL9,32,,2500.0 ng/mL # 120Quant Date : 11/18/2025 2:28 pm

Compound #42: Dibenzo[a,h]anthracene



Original Peak Response = 334830



Manual Peak Response = 327613 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL8.D
Acq On : 14 Nov 2025 12:49 pm
Operator : sv119:rp
Sample : IL8,32,,1000.0 ng/mL #12036
Misc : WG2143411,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 18 14:25:46 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:26:22 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\251114RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.584	152	175455	4000.000	ng/ml	0.00
Standard Area 1 = 175492			Recovery = 99.98%			
9) Naphthalene-d8	3.287	136	692349	4000.000	ng/ml	0.00
Standard Area 1 = 692240			Recovery = 100.02%			
18) Acenaphthene-d10	4.328	164	369316	4000.000	ng/ml	0.00
Standard Area 1 = 369268			Recovery = 100.01%			
23) Phenanthrene-d10	5.218	188	766794	4000.000	ng/ml	0.00
Standard Area 1 = 766794			Recovery = 100.00%			
32) Chrysene-d12	6.885	240	658999	4000.000	ng/ml	0.00
Standard Area 1 = 658278			Recovery = 100.11%			
37) Perylene-d12	8.156	264	558802	4000.000	ng/ml	0.00
Standard Area 1 = 558973			Recovery = 99.97%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.947	112	49706	985.135	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.26%			
4) Phenol-d6	2.380	99	63087	1022.207	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 51.11%			
8) Nitrobenzene-d5	2.881	82	54230	1040.395	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 104.04%			
14) 2-Fluorobiphenyl	3.924	172	138181	998.709	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 99.87%			
22) 2,4,6-Tribromophenol	4.800	330	16357	1028.041	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 51.40%			
31) 4-Terphenyl-d14	6.203	244	167462	1010.408	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 101.04%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.422	74	33556	1025.798	ng/mL	100
5) Bis(2-chloroethyl)ether	2.438	93	54158	983.529	ng/ml	100
6) n-nitrosodi-n-propylamine	2.797	70	37785	1049.661	ng/ml	100
7) Hexachloroethane	2.861	117	22387	990.994	ng/ml	100
10) Naphthalene	3.298	128	176129	981.651	ng/ml	100
11) Hexachlorobutadiene	3.378	225	29150	987.413	ng/ml	100
12) 2-Methylnaphthalene	3.703	142	110513	999.128	ng/ml	100
13) 1-Methylnaphthalene	3.761	142	111524	999.416	ng/ml	100
15) 2-Chloronaphthalene	3.991	162	118723	1011.082	ng/ml	100
16) 2,6-Dinitrotoluene	4.197	165	26373	1048.326	ng/ml	100
17) Acenaphthylene	4.239	152	192748	1034.354	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL8.D
Acq On : 14 Nov 2025 12:49 pm
Operator : sv119:rp
Sample : IL8,32,,1000.0 ng/mL #12036
Misc : WG2143411,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 18 14:25:46 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:26:22 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\251114RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	4.346	153	122651	995.411	ng/ml	100
20) 2,4-Dinitrotoluene	4.440	165	35914	1124.923	ng/ml	100
21) Fluorene	4.654	166	142187	1004.338	ng/ml	100
24) 4,6-Dinitro-o-cresol	4.686	198	19098	995.712	ng/ml	100
25) Hexachlorobenzene	4.995	284	40938	980.473	ng/ml	100
26) Pentachlorophenol	5.108	266	23125	914.963	ng/ml	100
27) Phenanthrene	5.234	178	213378	997.235	ng/ml	100
28) Anthracene	5.263	178	213641	1017.637	ng/ml	100
29) Fluoranthene	5.962	202	239454	1004.587	ng/ml	100
30) Pyrene	6.101	202	248785	1003.275	ng/ml	100
33) Benzo[a]anthracene	6.877	226	59962	939.841	ng/ml	100
34) 3,3'-Dichlorobenzidine	6.863	252	73423	1053.122	ng/ml	100
35) Chrysene	6.903	228	211774	1006.837	ng/ml	100
36) Bis(2-ethylhexyl)phtha...	6.915	149	117169	921.629	ng/ml	100
38) Benzo[b]fluoranthene	7.765	252	178447	995.566	ng/ml	100
39) Benzo[k]fluoranthene	7.793	252	182994	1024.015	ng/ml	100
40) Benzo[a]pyrene	8.092	252	159596	1008.473	ng/ml	100
41) Indeno[1,2,3-cd]pyrene	9.430	276	133894	1020.975	ng/ml	100
42) Dibenzo[a,h]anthracene	9.470	278	128236	1057.363	ng/ml	100
43) Benzo[g,h,i]perylene	9.786	276	132215	1025.204	ng/ml	100

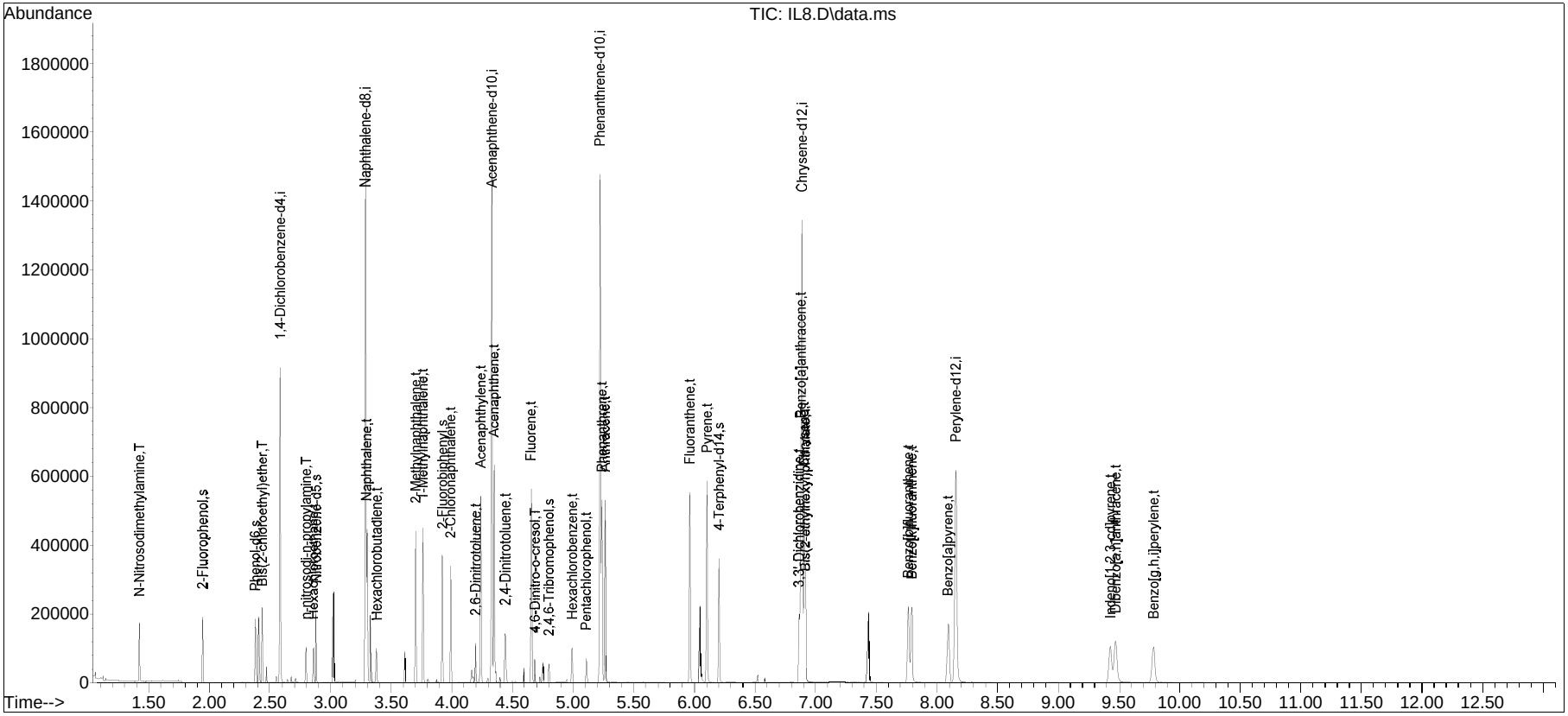
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL8.D
Acq On : 14 Nov 2025 12:49 pm
Operator : sv119:rp
Sample : IL8,32,,1000.0 ng/mL #12036
Misc : WG2143411,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 18 14:25:46 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:26:22 2025
Response via : Initial Calibration

Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\251114RVTQ	Method	: SIM-RVT_251114_sv119.M
Data File	: IL8.D	Operator	: sv119:rp
Date Inj'd	: 11/14/2025 12:49 pm	Instrument	: SV119
Sample	: IL8,32,,1000.0 ng/mL #1203	Quant Date	: 11/18/2025 2:26 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL7.D
Acq On : 14 Nov 2025 01:08 pm
Operator : sv119:rp
Sample : IL7,32,,500.0 ng/mL #12037
Misc : WG2143411,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 18 14:30:53 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:30:13 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\251114RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.583	152	174130	4000.000	ng/ml	0.00
Standard Area 1 = 175492			Recovery = 99.22%			
9) Naphthalene-d8	3.287	136	679494	4000.000	ng/ml	0.00
Standard Area 1 = 692240			Recovery = 98.16%			
18) Acenaphthene-d10	4.325	164	362991	4000.000	ng/ml	0.00
Standard Area 1 = 369268			Recovery = 98.30%			
23) Phenanthrene-d10	5.218	188	747959	4000.000	ng/ml	0.00
Standard Area 1 = 766794			Recovery = 97.54%			
32) Chrysene-d12	6.885	240	662906	4000.000	ng/ml	0.00
Standard Area 1 = 658278			Recovery = 100.70%			
37) Perylene-d12	8.154	264	572693	4000.000	ng/ml	0.00
Standard Area 1 = 558973			Recovery = 102.45%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.947	112	24299	485.252	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 24.26%			
4) Phenol-d6	2.378	99	30399	496.307	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 24.82%			
8) Nitrobenzene-d5	2.879	82	25551	493.923	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 49.39%			
14) 2-Fluorobiphenyl	3.922	172	66401	488.995	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 48.90%			
22) 2,4,6-Tribromophenol	4.797	330	7610	486.631	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 24.33%			
31) 4-Terphenyl-d14	6.203	244	80880	500.291	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 50.03%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.424	74	16162	497.828	ng/mL	99
5) Bis(2-chloroethyl)ether	2.437	93	26391	482.917	ng/ml	99
6) n-nitrosodi-n-propylamine	2.795	70	17840	499.363	ng/ml	99
7) Hexachloroethane	2.860	117	10768	480.288	ng/ml	100
10) Naphthalene	3.298	128	84817	481.669	ng/ml	100
11) Hexachlorobutadiene	3.376	225	14126	487.550	ng/ml	99
12) 2-Methylnaphthalene	3.703	142	53269	490.706	ng/ml	100
13) 1-Methylnaphthalene	3.762	142	53995	493.006	ng/ml	100
15) 2-Chloronaphthalene	3.991	162	56821	493.060	ng/ml	99
16) 2,6-Dinitrotoluene	4.197	165	11547	467.676	ng/ml	98
17) Acenaphthylene	4.236	152	91449	500.032	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL7.D
Acq On : 14 Nov 2025 01:08 pm
Operator : sv119:rp
Sample : IL7,32,,500.0 ng/mL #12037
Misc : WG2143411,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 18 14:30:53 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:30:13 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\251114RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	4.343	153	59002	487.192	ng/ml	98
20) 2,4-Dinitrotoluene	4.440	165	15588M7	496.766	ng/ml	
21) Fluorene	4.654	166	67483	484.972	ng/ml	100
24) 4,6-Dinitro-o-cresol	4.684	198	8087	432.249	ng/ml	100
25) Hexachlorobenzene	4.995	284	19408	476.531	ng/ml	98
26) Pentachlorophenol	5.108	266	9867	396.447	ng/ml	99
27) Phenanthrene	5.230	178	103313	494.998	ng/ml	99
28) Anthracene	5.263	178	101358	494.957	ng/ml	100
29) Fluoranthene	5.960	202	115166	495.345	ng/ml	100
30) Pyrene	6.101	202	119083	492.319	ng/ml	100
33) Benzo[a]anthracene	6.875	226	29178	454.639	ng/ml	99
34) 3,3'-Dichlorobenzidine	6.863	252	34978	498.740	ng/ml	99
35) Chrysene	6.904	228	104432	493.575	ng/ml	100
36) Bis(2-ethylhexyl)phtha...	6.913	149	54183	423.681	ng/ml	100
38) Benzo[b]fluoranthene	7.762	252	87739	477.628	ng/ml	98
39) Benzo[k]fluoranthene	7.791	252	92550	505.338	ng/ml	98
40) Benzo[a]pyrene	8.087	252	79361	489.311	ng/ml	100
41) Indeno[1,2,3-cd]pyrene	9.428	276	64817	482.258	ng/ml	99
42) Dibenzo[a,h]anthracene	9.463	278	64046M6	515.156	ng/ml	
43) Benzo[g,h,i]perylene	9.783	276	64883	490.904	ng/ml	100

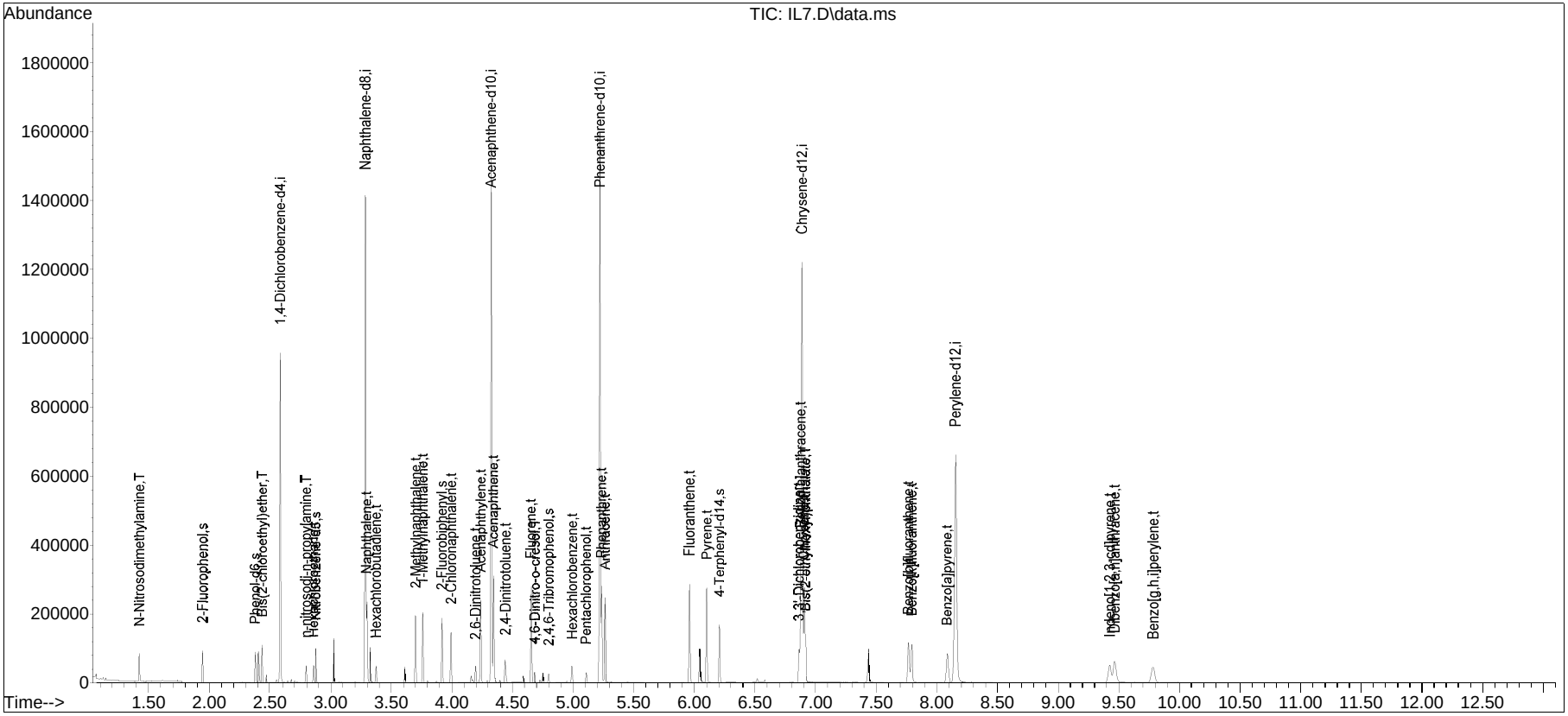
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL7.D
Acq On : 14 Nov 2025 01:08 pm
Operator : sv119:rp
Sample : IL7,32,,500.0 ng/mL #12037
Misc : WG2143411,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 18 14:30:53 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:30:13 2025
Response via : Initial Calibration

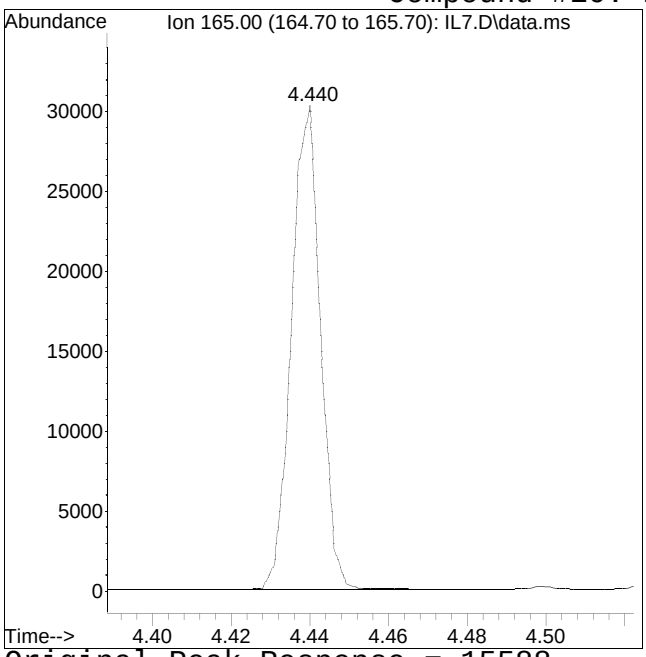
Sub List : Default - All compounds listedical\IL8.D•



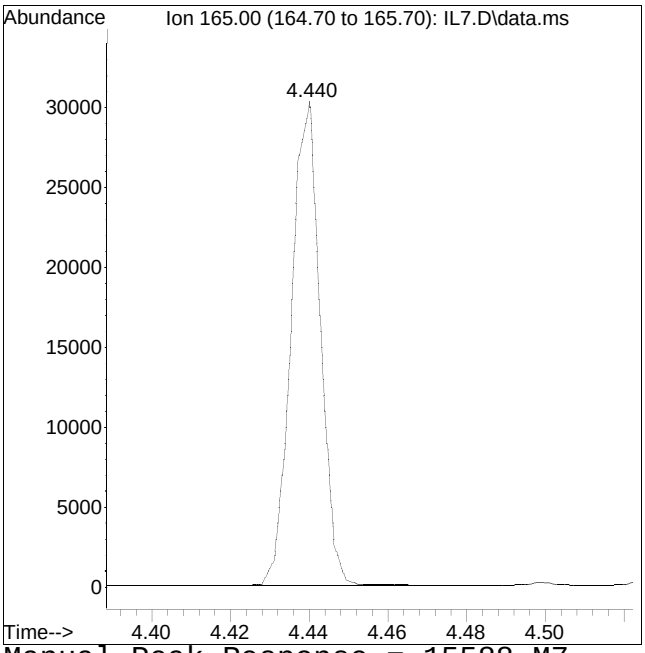
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQMethod : SIM-RVT_251114_sv119.M
Data File : IL7.D Operator : sv119:rp
Date Inj'd : 11/14/2025 1:08 pm Instrument : SV119
Sample : IL7,32,,500.0 ng/mL #12037Quant Date : 11/18/2025 2:31 pm

Compound #20: 2,4-Dinitrotoluene



Original Peak Response = 15588



Manual Peak Response = 15588 M7

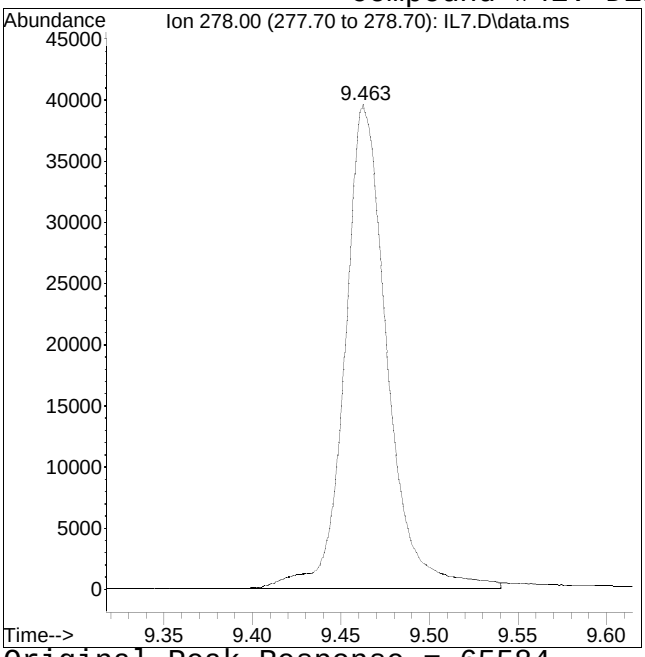
M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

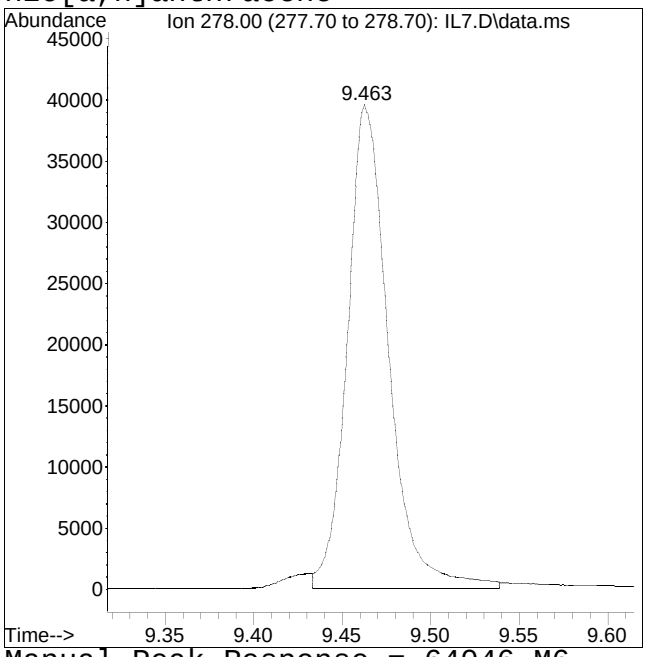
Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL7.D
Date Inj'd : 11/14/2025 1:08 pm
Sample : IL7,32,,500.0 ng/mL #12037

Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #42: Dibenzo[a,h]anthracene



Original Peak Response = 65584



Manual Peak Response = 64046 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL6.D
Acq On : 14 Nov 2025 01:27 pm
Operator : sv119:rp
Sample : IL6,32,,100.0 ng/mL #12038
Misc : WG2143411,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 18 15:26:02 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:30:13 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\251114RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.582	152	173128	4000.000	ng/ml	0.00
Standard Area 1 = 175492			Recovery = 98.65%			
9) Naphthalene-d8	3.285	136	668180	4000.000	ng/ml	0.00
Standard Area 1 = 692240			Recovery = 96.52%			
18) Acenaphthene-d10	4.325	164	350677	4000.000	ng/ml	0.00
Standard Area 1 = 369268			Recovery = 94.97%			
23) Phenanthrene-d10	5.218	188	715571	4000.000	ng/ml	0.00
Standard Area 1 = 766794			Recovery = 93.32%			
32) Chrysene-d12	6.884	240	613647	4000.000	ng/ml	0.00
Standard Area 1 = 658278			Recovery = 93.22%			
37) Perylene-d12	8.151	264	513454	4000.000	ng/ml	0.00
Standard Area 1 = 558973			Recovery = 91.86%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.947	112	5105	102.537	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.13%#			
4) Phenol-d6	2.378	99	6226	102.237	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.11%#			
8) Nitrobenzene-d5	2.879	82	5147	100.072	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 10.01%#			
14) 2-Fluorobiphenyl	3.922	172	13974	104.651	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 10.47%#			
22) 2,4,6-Tribromophenol	4.797	330	1496	99.023	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 4.95%#			
31) 4-Terphenyl-d14	6.200	244	16246	105.040	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 10.50%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.424	74	3312M7	102.608	ng/mL	
5) Bis(2-chloroethyl)ether	2.437	93	5483	100.912	ng/ml	100
6) n-nitrosodi-n-propylamine	2.795	70	3588	101.014	ng/ml	100
7) Hexachloroethane	2.859	117	2270	101.836	ng/ml	99
10) Naphthalene	3.298	128	17804	102.820	ng/ml	100
11) Hexachlorobutadiene	3.376	225	2964	104.033	ng/ml	100
12) 2-Methylnaphthalene	3.700	142	11108	104.058	ng/ml	100
13) 1-Methylnaphthalene	3.762	142	11287	104.802	ng/ml	100
15) 2-Chloronaphthalene	3.991	162	11803	104.154	ng/ml	100
16) 2,6-Dinitrotoluene	4.194	165	2164M4	89.130	ng/ml	
17) Acenaphthylene	4.236	152	18486	102.791	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL6.D
Acq On : 14 Nov 2025 01:27 pm
Operator : sv119:rp
Sample : IL6,32,,100.0 ng/mL #12038
Misc : WG2143411,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 18 15:26:02 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:30:13 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\251114RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	4.343	153	12204	104.310	ng/ml	97
20) 2,4-Dinitrotoluene	4.440	165	2777M7	91.606	ng/ml	
21) Fluorene	4.654	166	13939	103.691	ng/ml	100
24) 4,6-Dinitro-o-cresol	4.684	198	1375	76.820	ng/ml	99
25) Hexachlorobenzene	4.991	284	3966	101.786	ng/ml	95
26) Pentachlorophenol	5.108	266	1746	67.850	ng/ml	98
27) Phenanthrene	5.230	178	20747M6	103.903	ng/ml	
28) Anthracene	5.263	178	20559	104.939	ng/ml	100
29) Fluoranthene	5.959	202	23033	103.552	ng/ml	99
30) Pyrene	6.098	202	24001	103.717	ng/ml	100
33) Benzo[a]anthracene	6.874	226	5828	98.099	ng/ml	93
34) 3,3'-Dichlorobenzidine	6.860	252	6447	99.305	ng/ml	99
35) Chrysene	6.902	228	20568	105.013	ng/ml	99
36) Bis(2-ethylhexyl)phtha...	6.912	149	10173	85.933	ng/ml	100
38) Benzo[b]fluoranthene	7.762	252	17236	104.653	ng/ml	100
39) Benzo[k]fluoranthene	7.787	252	17156	104.482	ng/ml	100
40) Benzo[a]pyrene	8.087	252	14938	102.729	ng/ml	100
41) Indeno[1,2,3-cd]pyrene	9.423	276	12171	101.004	ng/ml	100
42) Dibenzo[a,h]anthracene	9.466	278	11262	101.037	ng/ml	97
43) Benzo[g,h,i]perylene	9.779	276	12008	101.334	ng/ml	100

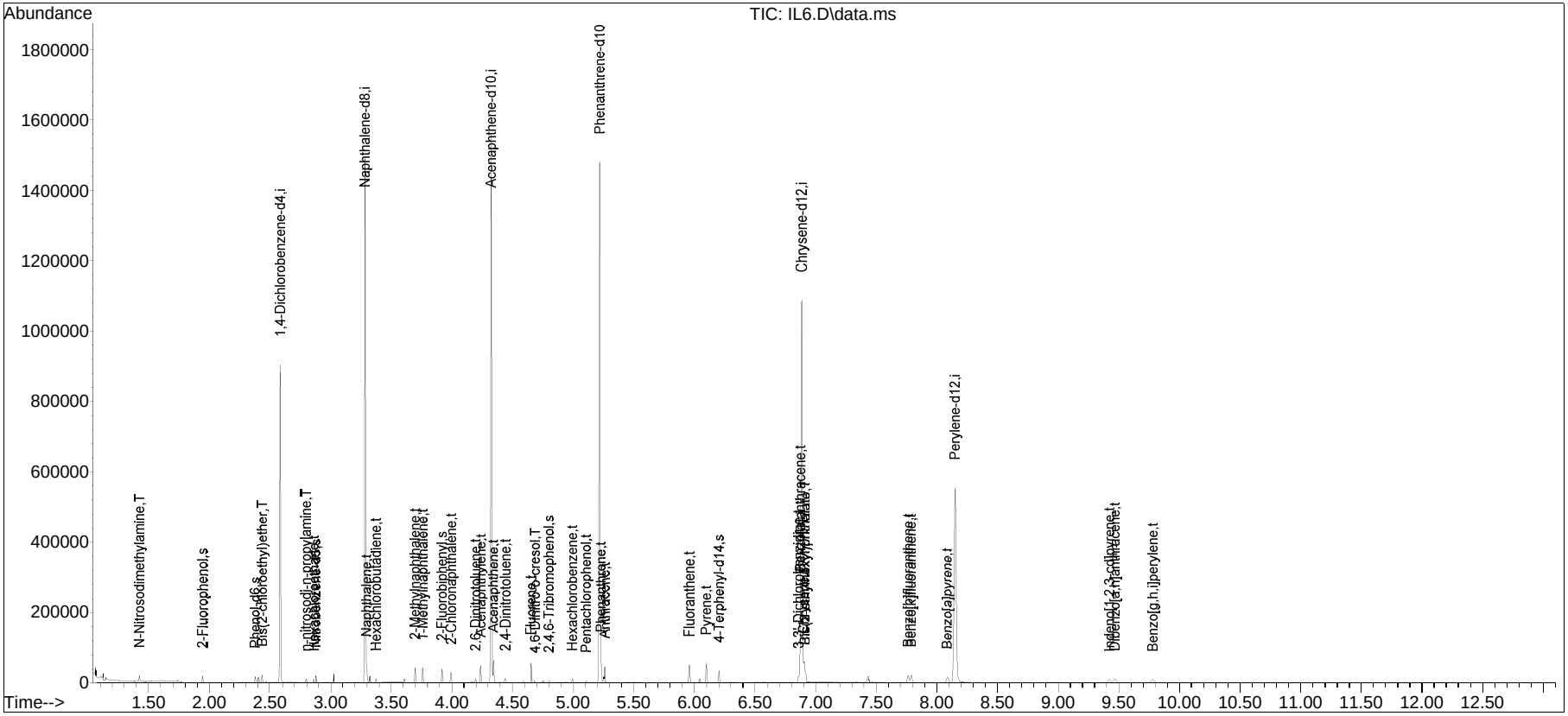
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL6.D
Acq On : 14 Nov 2025 01:27 pm
Operator : sv119:rp
Sample : IL6,32,,100.0 ng/mL #12038
Misc : WG2143411,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 18 15:26:02 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:30:13 2025
Response via : Initial Calibration

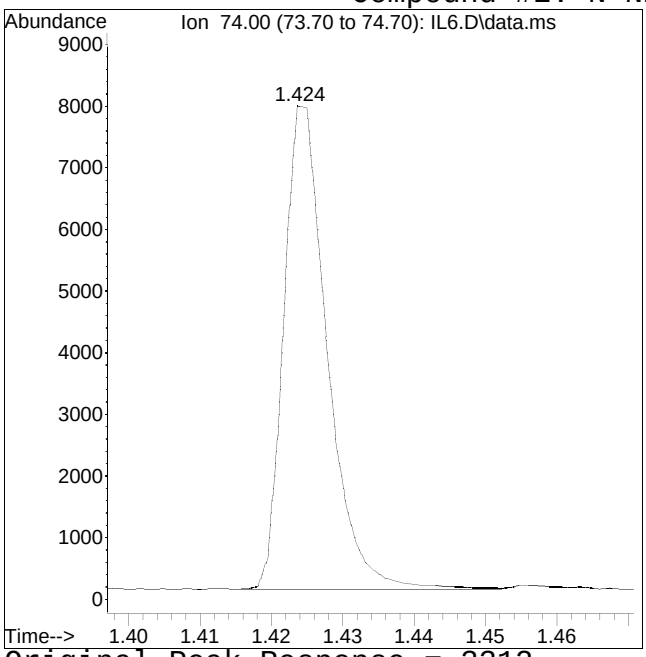
Sub List : Default - All compounds listedical\IL8.D•

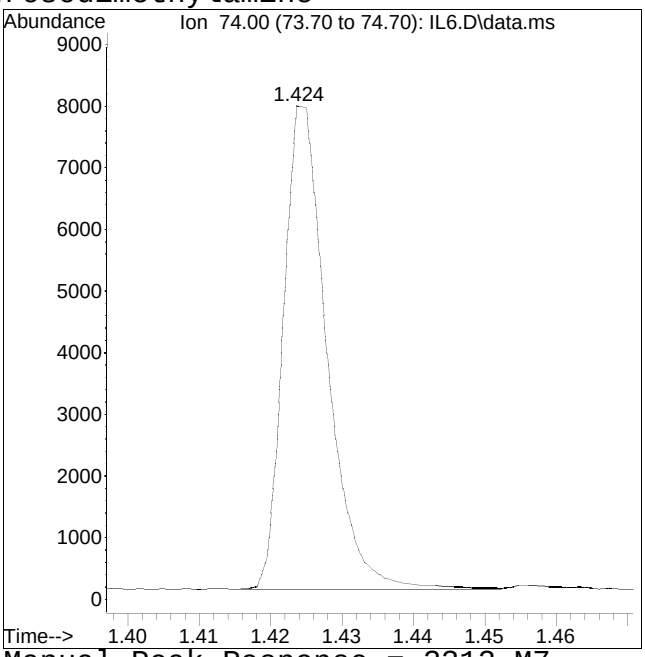


Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQMethod : SIM-RVT_251114_sv119.M
Data File : IL6.D Operator : sv119:rp
Date Inj'd : 11/14/2025 1:27 pm Instrument : SV119
Sample : IL6,32,,100.0 ng/mL #12038Quant Date : 11/18/2025 2:31 pm

Compound #2: N-Nitrosodimethylamine



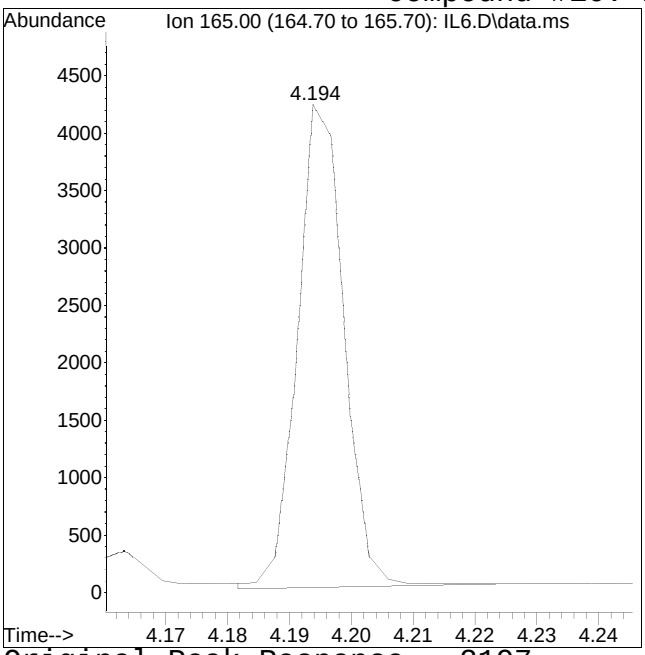


Original Peak Response = 3312 Manual Peak Response = 3312 M7
M7 = A qualifier ion was manually integrated (only for GC/MS data).

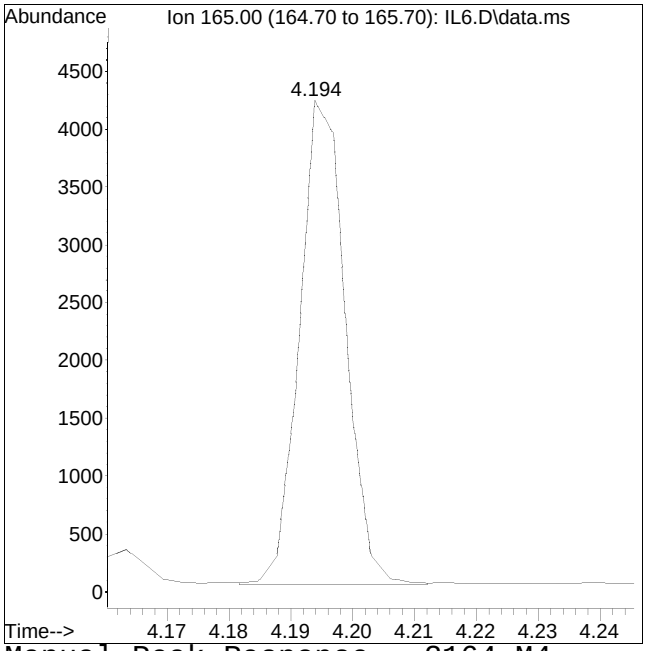
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL6.D
Date Inj'd : 11/14/2025 1:27 pm
Sample : IL6,32,,100.0 ng/mL #12038
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #16: 2,6-Dinitrotoluene



Original Peak Response = 2197



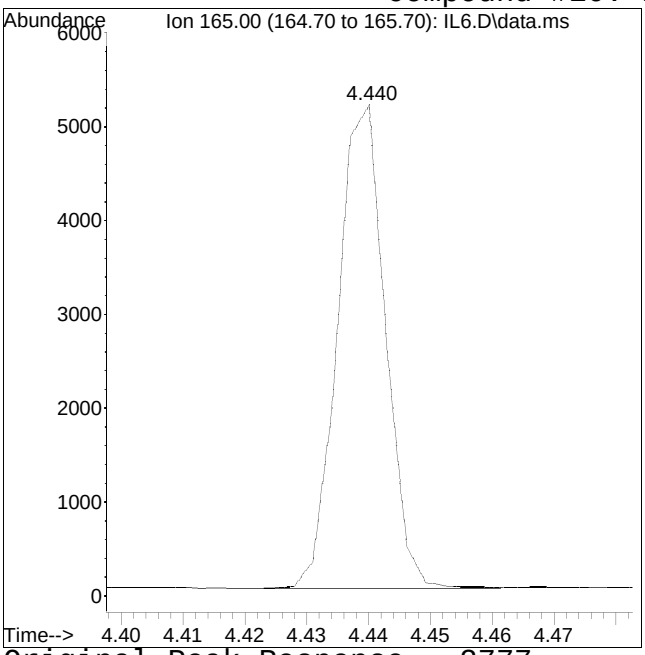
Manual Peak Response = 2164 M4

M4 = Poor automated baseline construction.

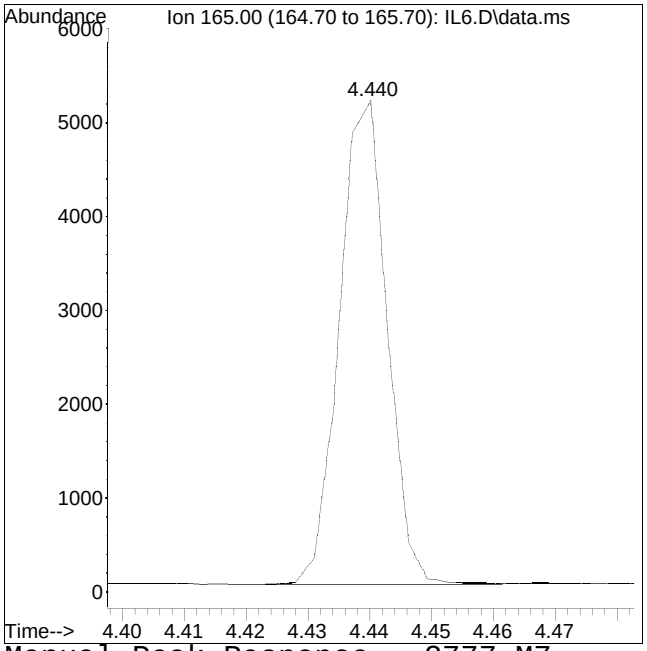
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL6.D
Date Inj'd : 11/14/2025 1:27 pm
Sample : IL6,32,,100.0 ng/mL #12038
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #20: 2,4-Dinitrotoluene



Original Peak Response = 2777



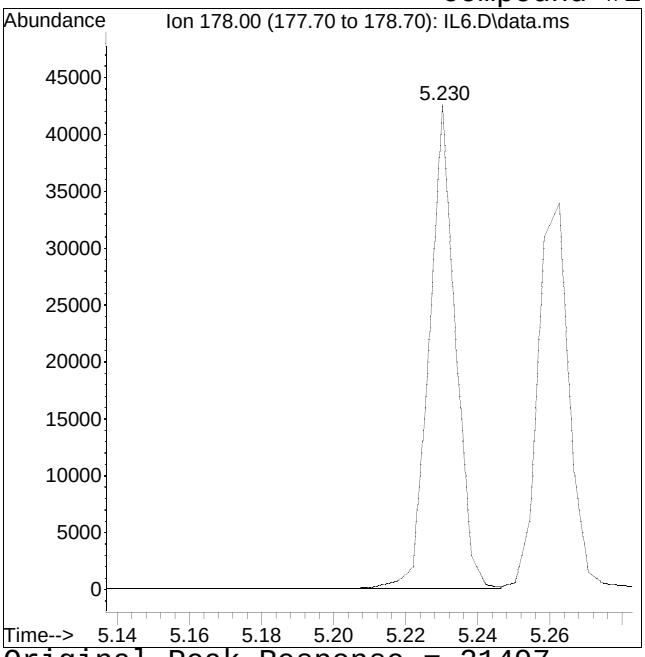
Manual Peak Response = 2777 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

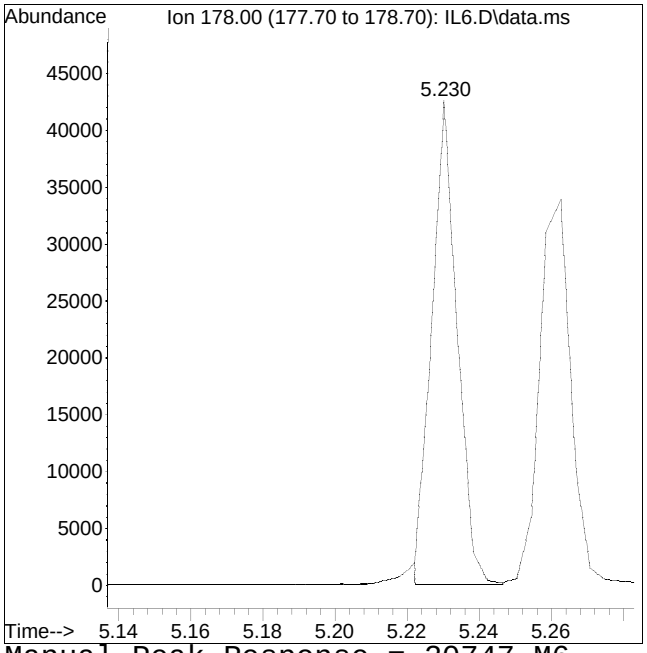
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL6.D
Date Inj'd : 11/14/2025 1:27 pm
Sample : IL6,32,,100.0 ng/mL #12038
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #27: Phenanthrene



Original Peak Response = 21497



Manual Peak Response = 20747 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL5.D
Acq On : 14 Nov 2025 01:46 pm
Operator : sv119:rp
Sample : IL5,32,,40.0 ng/mL #12039
Misc : WG2143411,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 18 16:15:20 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:30:13 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\251114RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.581	152	170160	4000.000	ng/ml	0.00
Standard Area 1 = 175492			Recovery = 96.96%			
9) Naphthalene-d8	3.285	136	652279	4000.000	ng/ml	0.00
Standard Area 1 = 692240			Recovery = 94.23%			
18) Acenaphthene-d10	4.325	164	343750	4000.000	ng/ml	0.00
Standard Area 1 = 369268			Recovery = 93.09%			
23) Phenanthrene-d10	5.218	188	702108	4000.000	ng/ml	0.00
Standard Area 1 = 766794			Recovery = 91.56%			
32) Chrysene-d12	6.885	240	608680	4000.000	ng/ml	0.00
Standard Area 1 = 658278			Recovery = 92.47%			
37) Perylene-d12	8.154	264	515627	4000.000	ng/ml	0.00
Standard Area 1 = 558973			Recovery = 92.25%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.946	112	1826	37.316	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.87%#			
4) Phenol-d6	2.377	99	2205	36.840	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.84%#			
8) Nitrobenzene-d5	2.879	82	1839	36.379	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.64%#			
14) 2-Fluorobiphenyl	3.922	172	4996	38.327	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.83%#			
22) 2,4,6-Tribromophenol	4.797	330	549	37.072	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.85%#			
31) 4-Terphenyl-d14	6.203	244	5867	38.661	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.87%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.421	74	1159M7	36.533	ng/mL	
5) Bis(2-chloroethyl)ether	2.435	93	1985	37.170	ng/ml	98
6) n-nitrosodi-n-propylamine	2.797	70	1267M4	36.292	ng/ml	
7) Hexachloroethane	2.859	117	821	37.474	ng/ml	98
10) Naphthalene	3.298	128	6512	38.524	ng/ml	99
11) Hexachlorobutadiene	3.376	225	1059	38.076	ng/ml	100
12) 2-Methylnaphthalene	3.701	142	3941	37.819	ng/ml	99
13) 1-Methylnaphthalene	3.759	142	4043	38.455	ng/ml	99
15) 2-Chloronaphthalene	3.988	162	4295	38.825	ng/ml	100
16) 2,6-Dinitrotoluene	4.194	165	766M4	32.319	ng/ml	
17) Acenaphthylene	4.236	152	6517	37.121	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL5.D
Acq On : 14 Nov 2025 01:46 pm
Operator : sv119:rp
Sample : IL5,32,,40.0 ng/mL #12039
Misc : WG2143411,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 18 16:15:20 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:30:13 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\251114RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	4.343	153	4383M6	38.217	ng/ml	
20) 2,4-Dinitrotoluene	4.437	165	953M7	32.071	ng/ml	
21) Fluorene	4.651	166	4901	37.193	ng/ml	100
24) 4,6-Dinitro-o-cresol	4.684	198	468	26.648	ng/ml	94
25) Hexachlorobenzene	4.991	284	1439	37.640	ng/ml	96
26) Pentachlorophenol	5.108	266	596	19.222	ng/ml	98
27) Phenanthrene	5.230	178	7461M6	38.082	ng/ml	
28) Anthracene	5.263	178	7384	38.413	ng/ml	100
29) Fluoranthene	5.960	202	8346	38.242	ng/ml	100
30) Pyrene	6.101	202	8603	37.890	ng/ml	100
33) Benzo[a]anthracene	6.877	226	2144	36.383	ng/ml#	76
34) 3,3'-Dichlorobenzidine	6.861	252	2211	34.335	ng/ml	100
35) Chrysene	6.902	228	7359	37.879	ng/ml	99
36) Bis(2-ethylhexyl)phtha...	6.915	149	3797	32.336	ng/ml	100
38) Benzo[b]fluoranthene	7.765	252	6375	38.545	ng/ml	99
39) Benzo[k]fluoranthene	7.789	252	6296	38.182	ng/ml	100
40) Benzo[a]pyrene	8.089	252	5496	37.637	ng/ml	99
41) Indeno[1,2,3-cd]pyrene	9.425	276	4578	37.831	ng/ml	98
42) Dibenzo[a,h]anthracene	9.463	278	4171	37.263	ng/ml	98
43) Benzo[g,h,i]perylene	9.779	276	4592	38.588	ng/ml	100

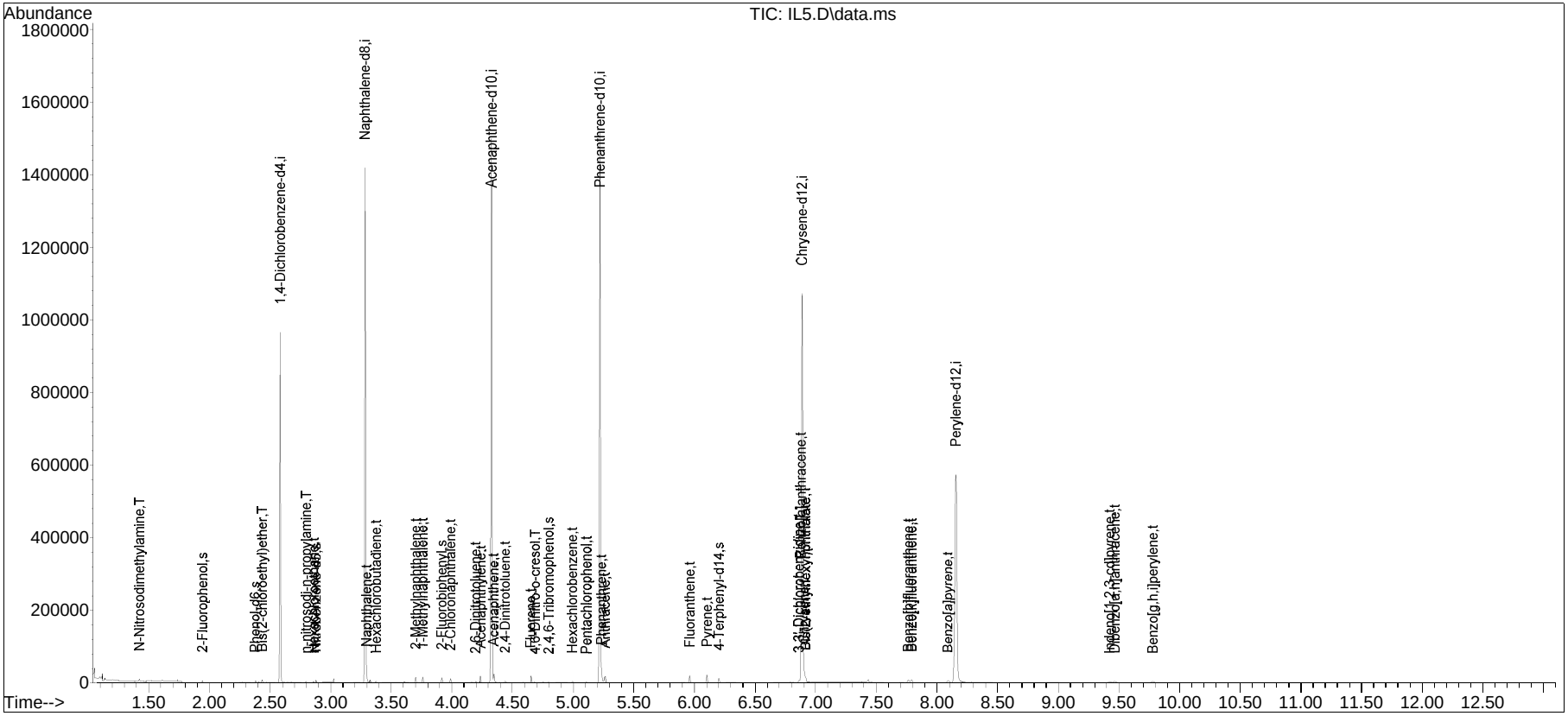
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL5.D
Acq On : 14 Nov 2025 01:46 pm
Operator : sv119:rp
Sample : IL5,32,,40.0 ng/mL #12039
Misc : WG2143411,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 18 16:15:20 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:30:13 2025
Response via : Initial Calibration

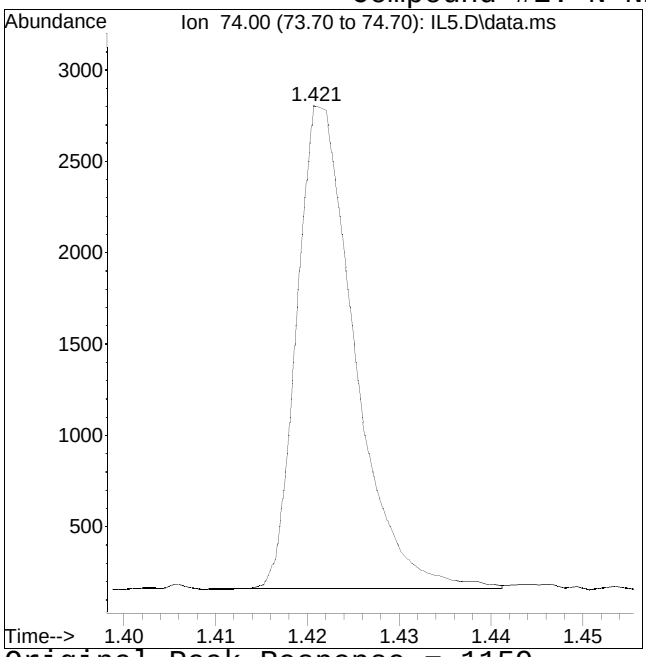
Sub List : Default - All compounds listedical\IL8.D•

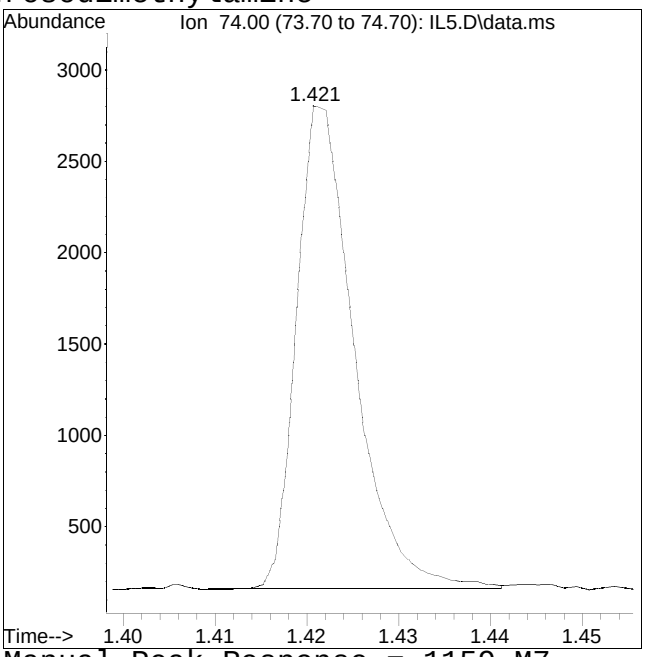


Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQMethod : SIM-RVT_251114_sv119.M
Data File : IL5.D Operator : sv119:rp
Date Inj'd : 11/14/2025 1:46 pm Instrument : SV119
Sample : IL5,32,,40.0 ng/mL #12039 Quant Date : 11/18/2025 2:31 pm

Compound #2: N-Nitrosodimethylamine



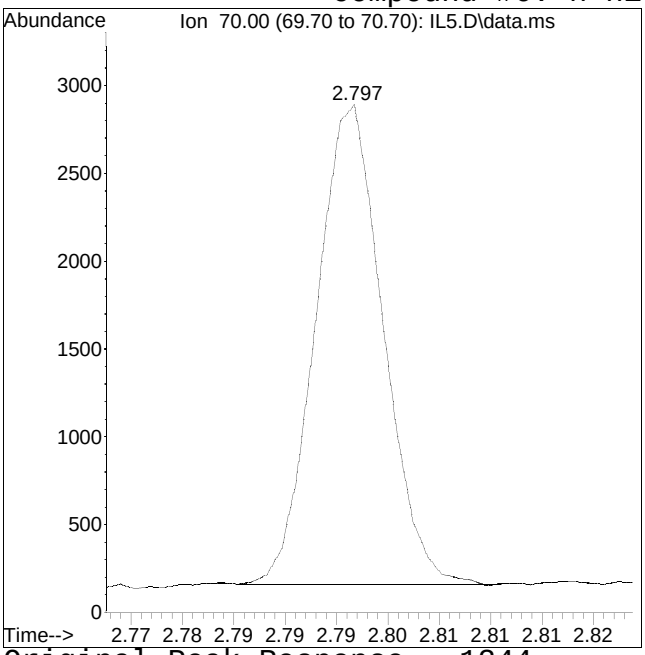


Original Peak Response = 1159 Manual Peak Response = 1159 M7
M7 = A qualifier ion was manually integrated (only for GC/MS data).

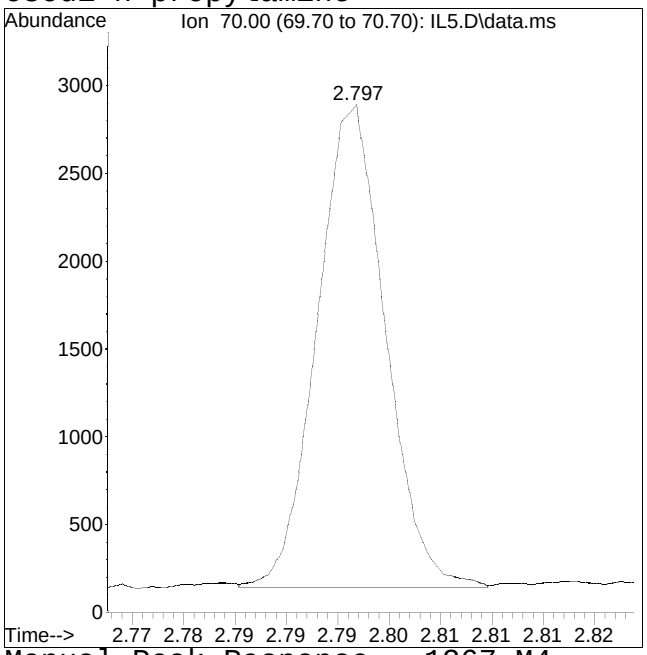
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL5.D
Date Inj'd : 11/14/2025 1:46 pm
Sample : IL5,32,,40.0 ng/mL #12039
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #6: n-nitrosodi-n-propylamine



Original Peak Response = 1244



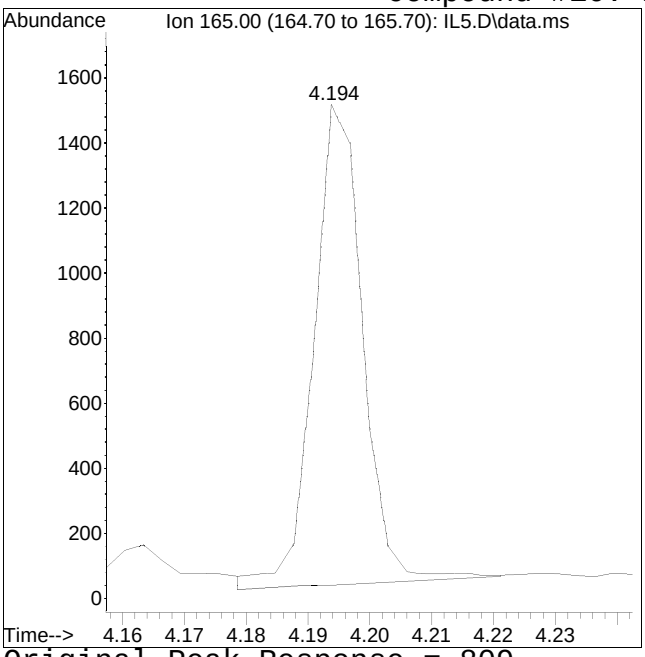
Manual Peak Response = 1267 M4

M4 = Poor automated baseline construction.

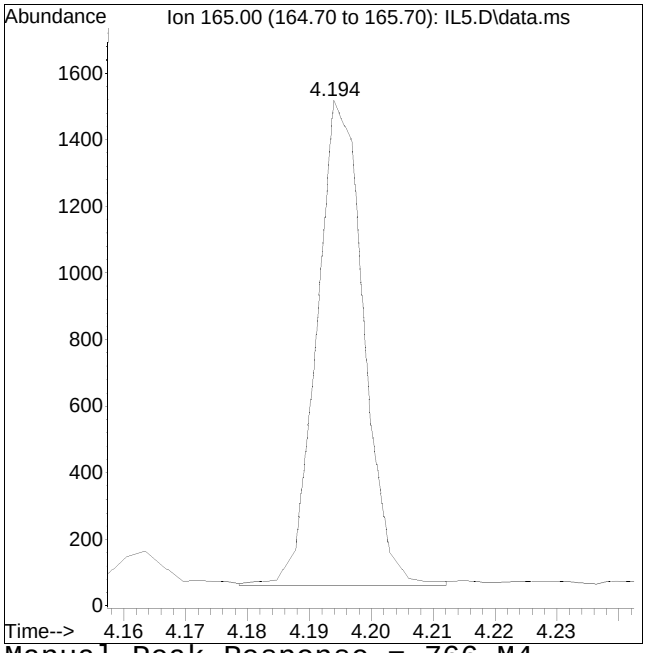
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL5.D
Date Inj'd : 11/14/2025 1:46 pm
Sample : IL5,32,,40.0 ng/mL #12039
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #16: 2,6-Dinitrotoluene



Original Peak Response = 809



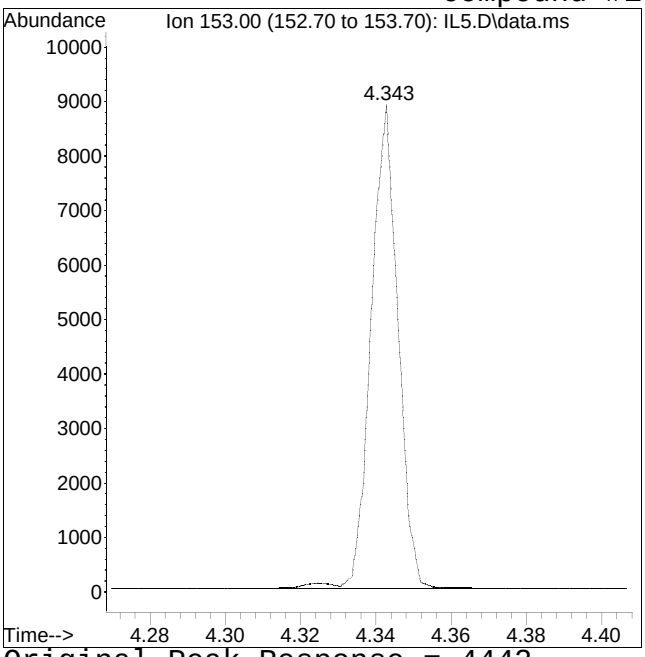
Manual Peak Response = 766 M4

M4 = Poor automated baseline construction.

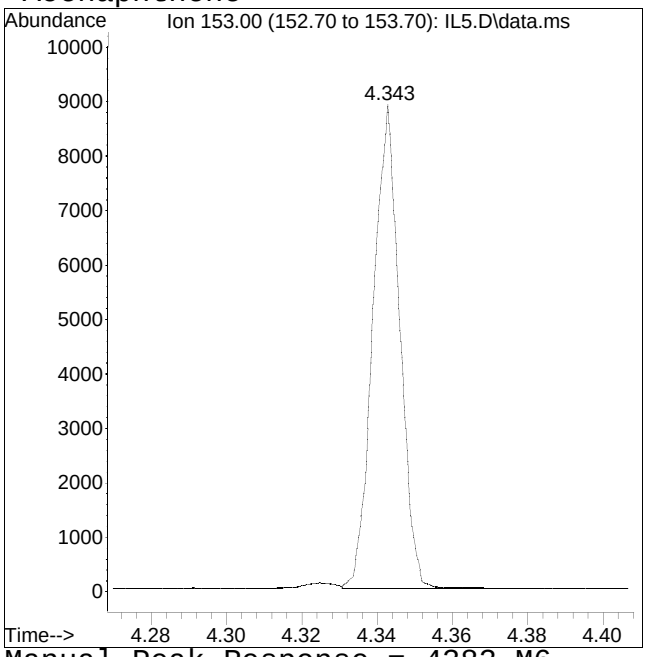
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQMethod : SIM-RVT_251114_sv119.M
Data File : IL5.D Operator : sv119:rp
Date Inj'd : 11/14/2025 1:46 pm Instrument : SV119
Sample : IL5,32,,40.0 ng/mL #12039 Quant Date : 11/18/2025 2:31 pm

Compound #19: Acenaphthene



Original Peak Response = 4442



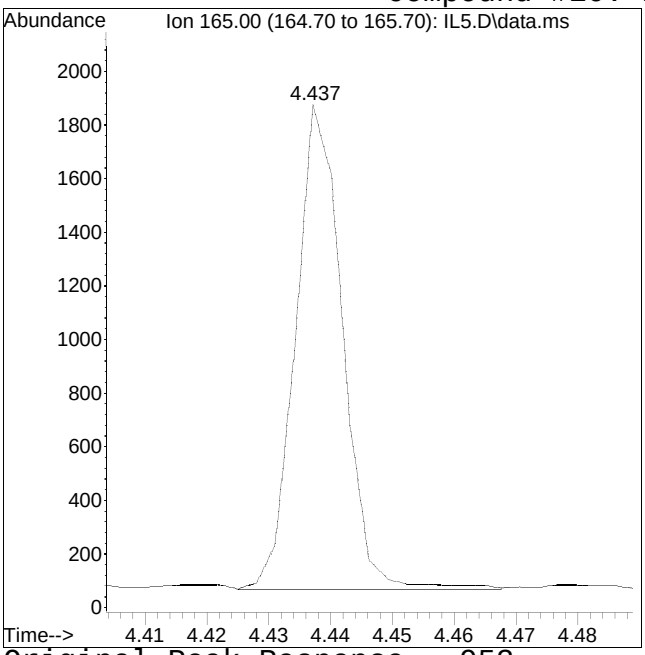
Manual Peak Response = 4383 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

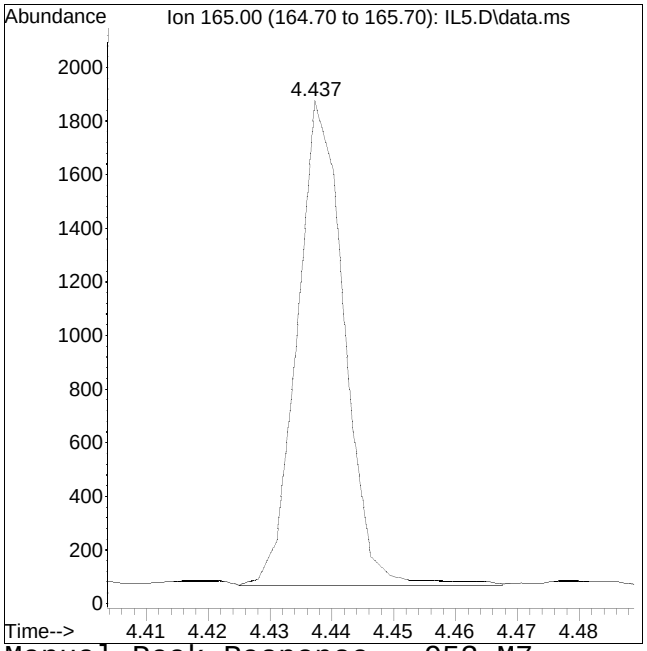
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL5.D
Date Inj'd : 11/14/2025 1:46 pm
Sample : IL5,32,,40.0 ng/mL #12039
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #20: 2,4-Dinitrotoluene



Original Peak Response = 953



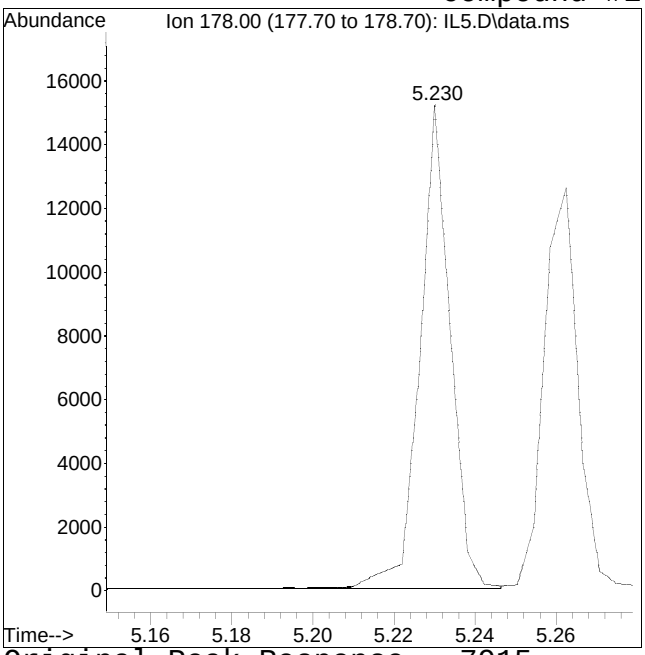
Manual Peak Response = 953 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

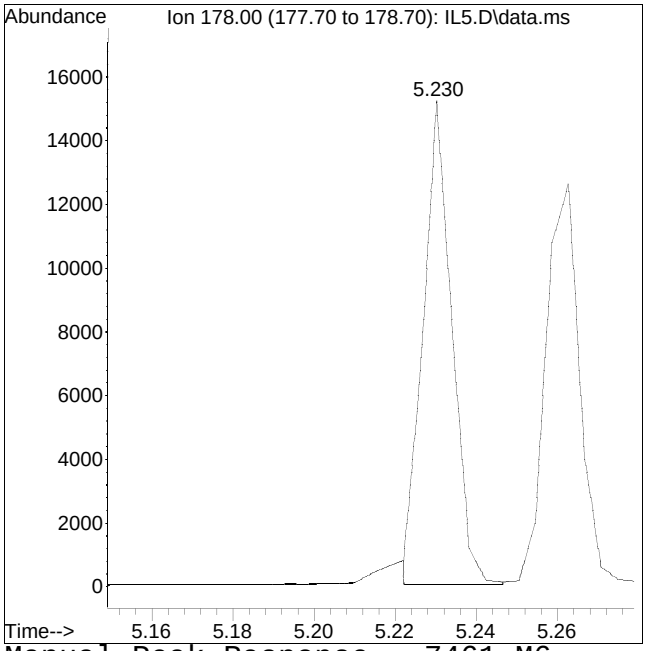
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL5.D
Date Inj'd : 11/14/2025 1:46 pm
Sample : IL5,32,,40.0 ng/mL #12039
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #27: Phenanthrene



Original Peak Response = 7915



Manual Peak Response = 7461 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL4.D
Acq On : 14 Nov 2025 02:05 pm
Operator : sv119:rp
Sample : IL4,32,,10.0 ng/mL #12040
Misc : WG2143411,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 18 16:14:43 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:30:13 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\251114RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.580	152	171981	4000.000	ng/ml	0.00
Standard Area 1 = 175492			Recovery = 98.00%			
9) Naphthalene-d8	3.285	136	660185	4000.000	ng/ml	0.00
Standard Area 1 = 692240			Recovery = 95.37%			
18) Acenaphthene-d10	4.325	164	344451	4000.000	ng/ml	0.00
Standard Area 1 = 369268			Recovery = 93.28%			
23) Phenanthrene-d10	5.218	188	698814	4000.000	ng/ml	0.00
Standard Area 1 = 766794			Recovery = 91.13%			
32) Chrysene-d12	6.891	240	599414	4000.000	ng/ml	0.00
Standard Area 1 = 658278			Recovery = 91.06%			
37) Perylene-d12	8.160	264	501687	4000.000	ng/ml	0.00
Standard Area 1 = 558973			Recovery = 89.75%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.944	112	485	9.807	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.49%#			
4) Phenol-d6	2.376	99	588	9.720	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.49%#			
8) Nitrobenzene-d5	2.878	82	482	9.434	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.94%#			
14) 2-Fluorobiphenyl	3.922	172	1307	9.907	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.99%#			
22) 2,4,6-Tribromophenol	4.797	330	136	9.165	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.46%#			
31) 4-Terphenyl-d14	6.203	244	1520	10.063	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 1.01%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.425	74	288M7	8.982	ng/mL	
5) Bis(2-chloroethyl)ether	2.434	93	530M4	9.819	ng/ml	
6) n-nitrosodi-n-propylamine	2.796	70	323	9.154	ng/ml	95
7) Hexachloroethane	2.857	117	229	10.342	ng/ml	92
10) Naphthalene	3.295	128	1740	10.170	ng/ml#	96
11) Hexachlorobutadiene	3.376	225	278	9.876	ng/ml	95
12) 2-Methylnaphthalene	3.701	142	1057	10.022	ng/ml	99
13) 1-Methylnaphthalene	3.759	142	1055	9.915	ng/ml	99
15) 2-Chloronaphthalene	3.989	162	1103	9.851	ng/ml	98
16) 2,6-Dinitrotoluene	4.194	165	209M4	8.712	ng/ml	
17) Acenaphthylene	4.237	152	1700	9.567	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL4.D
Acq On : 14 Nov 2025 02:05 pm
Operator : sv119:rp
Sample : IL4,32,,10.0 ng/mL #12040
Misc : WG2143411,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 18 16:14:43 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:30:13 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\251114RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	4.340	153	1139	9.911	ng/ml	96
20) 2,4-Dinitrotoluene	4.437	165	238M4	7.993	ng/ml	
21) Fluorene	4.651	166	1294	9.800	ng/ml	99
24) 4,6-Dinitro-o-cresol	4.684	198	106	6.064	ng/ml#	83
25) Hexachlorobenzene	4.991	284	382	10.039	ng/ml#	87
26) Pentachlorophenol	5.109	266	305M6	6.618	ng/ml	
27) Phenanthrene	5.230	178	1977M6	10.138	ng/ml	
28) Anthracene	5.259	178	1947	10.176	ng/ml	99
29) Fluoranthene	5.960	202	2178	10.027	ng/ml	97
30) Pyrene	6.101	202	2230	9.868	ng/ml	98
33) Benzo[a]anthracene	6.881	226	639	11.011	ng/ml#	24
34) 3,3'-Dichlorobenzidine	6.868	252	541	8.531	ng/ml	98
35) Chrysene	6.909	228	1884	9.847	ng/ml	98
36) Bis(2-ethylhexyl)phtha...	6.919	149	1088	9.409	ng/ml	97
38) Benzo[b]fluoranthene	7.771	252	1619	10.061	ng/ml	97
39) Benzo[k]fluoranthene	7.798	252	1600	9.973	ng/ml	99
40) Benzo[a]pyrene	8.096	252	1415	9.959	ng/ml	99
41) Indeno[1,2,3-cd]pyrene	9.433	276	1141	9.691	ng/ml	96
42) Dibenzo[a,h]anthracene	9.470	278	1030	9.457	ng/ml	97
43) Benzo[g,h,i]perylene	9.788	276	1136	9.811	ng/ml	99

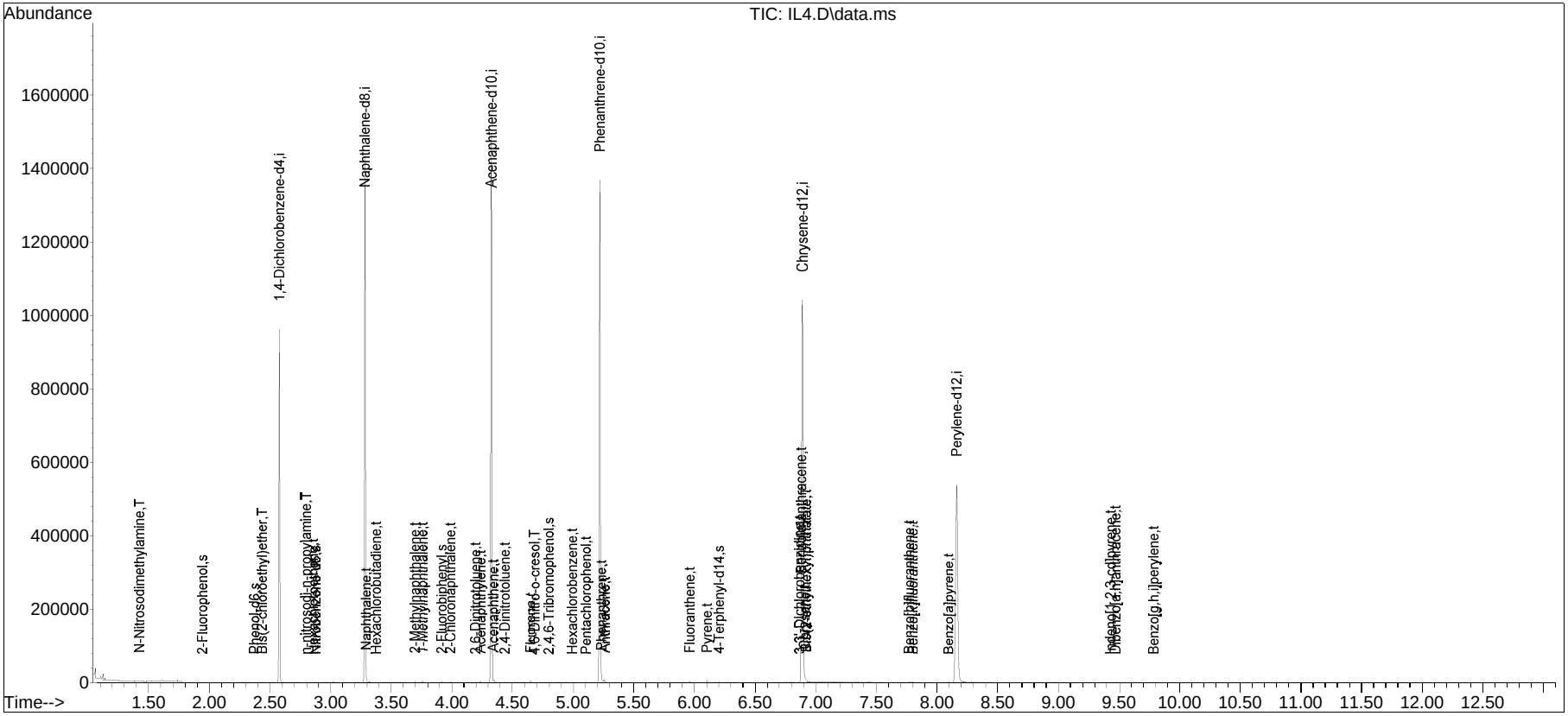
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL4.D
Acq On : 14 Nov 2025 02:05 pm
Operator : sv119:rp
Sample : IL4,32,,10.0 ng/mL #12040
Misc : WG2143411,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 18 16:14:43 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:30:13 2025
Response via : Initial Calibration

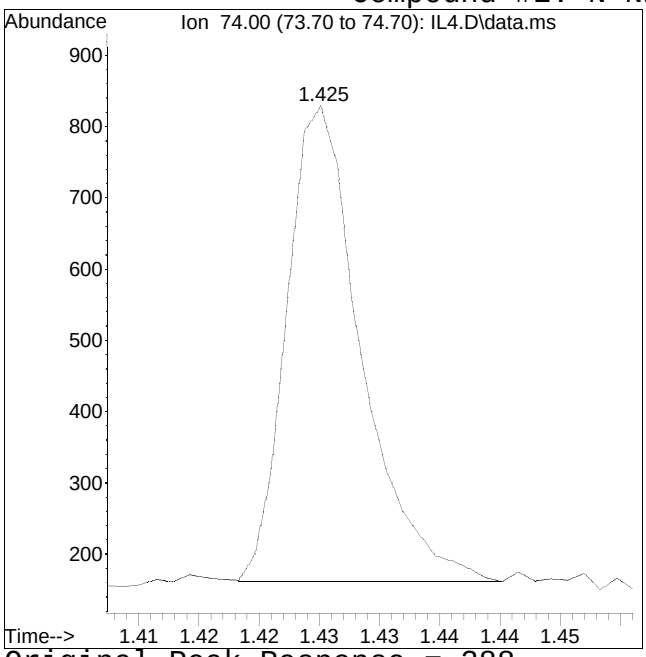
Sub List : Default - All compounds listedical\IL8.D•

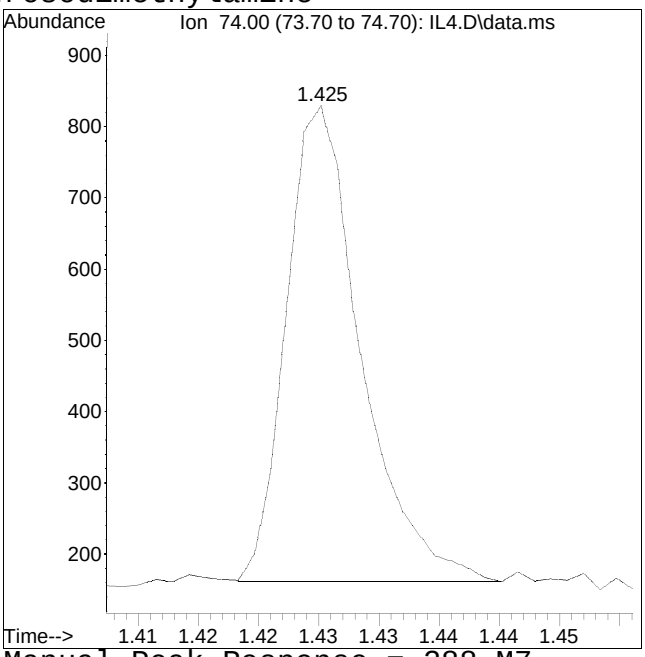


Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQMethod : SIM-RVT_251114_sv119.M
Data File : IL4.D Operator : sv119:rp
Date Inj'd : 11/14/2025 2:05 pm Instrument : SV119
Sample : IL4,32,,10.0 ng/mL #12040 Quant Date : 11/18/2025 2:31 pm

Compound #2: N-Nitrosodimethylamine



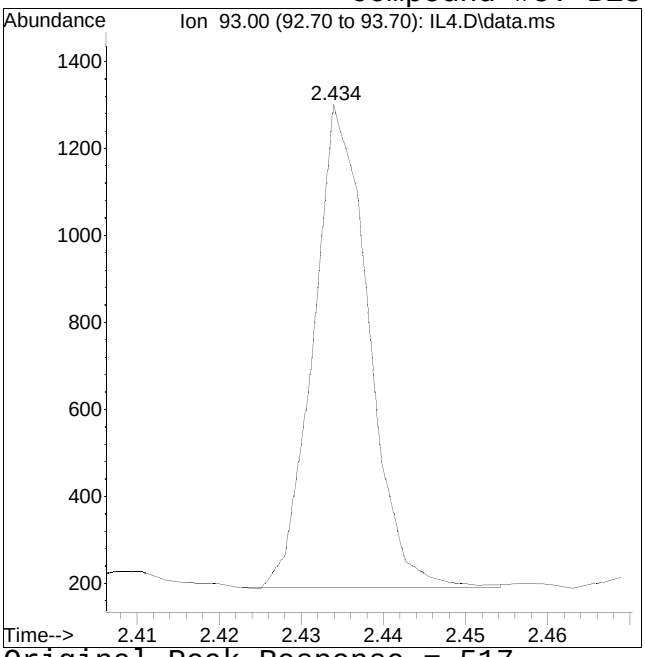


Original Peak Response = 288 Manual Peak Response = 288 M7
M7 = A qualifier ion was manually integrated (only for GC/MS data).

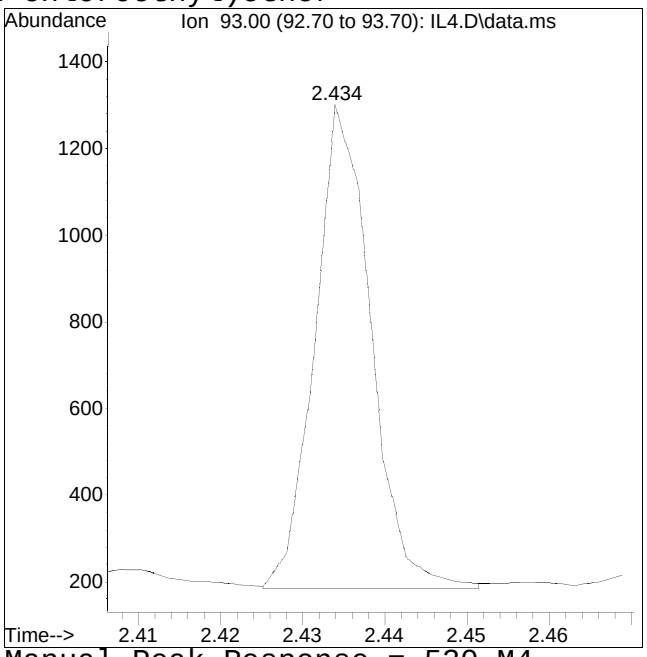
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL4.D
Date Inj'd : 11/14/2025 2:05 pm
Sample : IL4,32,,10.0 ng/mL #12040
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #5: Bis(2-chloroethyl)ether



Original Peak Response = 517



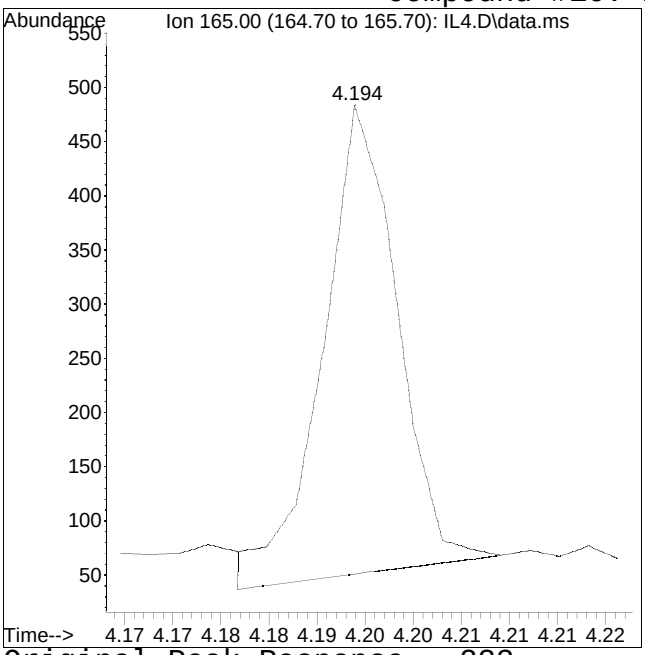
Manual Peak Response = 530 M4

M4 = Poor automated baseline construction.

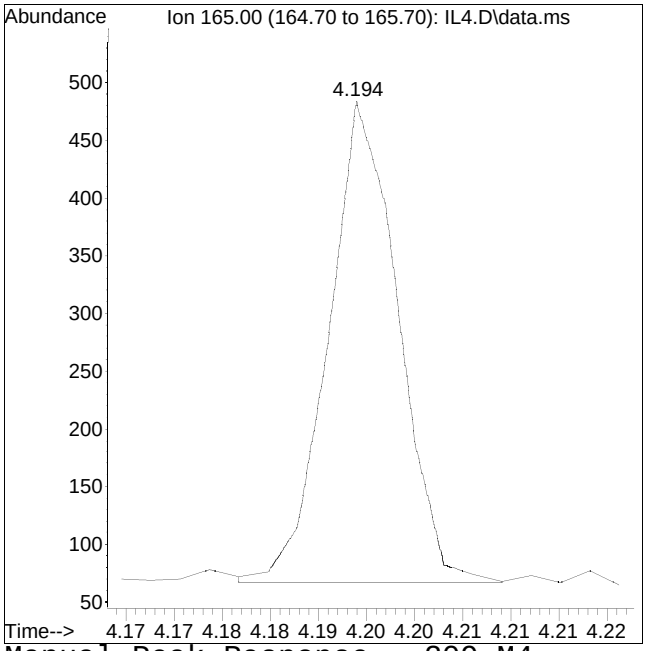
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQMethod : SIM-RVT_251114_sv119.M
Data File : IL4.D Operator : sv119:rp
Date Inj'd : 11/14/2025 2:05 pm Instrument : SV119
Sample : IL4,32,,10.0 ng/mL #12040 Quant Date : 11/18/2025 2:31 pm

Compound #16: 2,6-Dinitrotoluene



Original Peak Response = 233



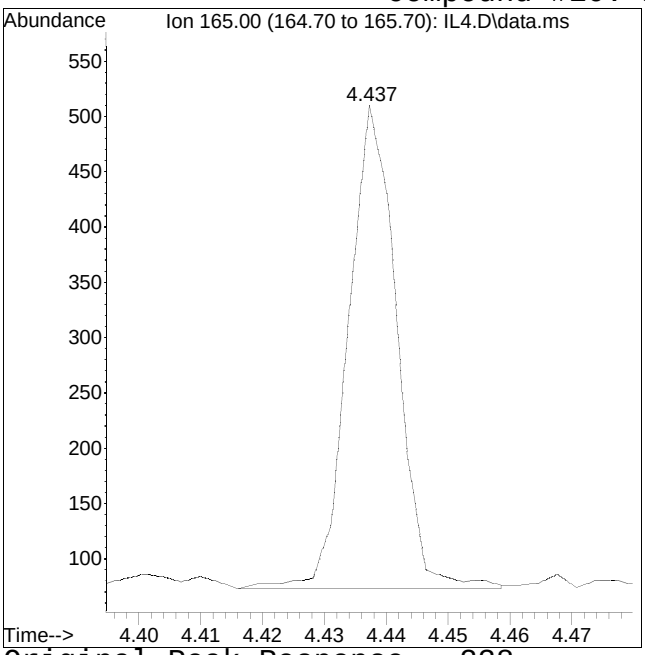
Manual Peak Response = 209 M4

M4 = Poor automated baseline construction.

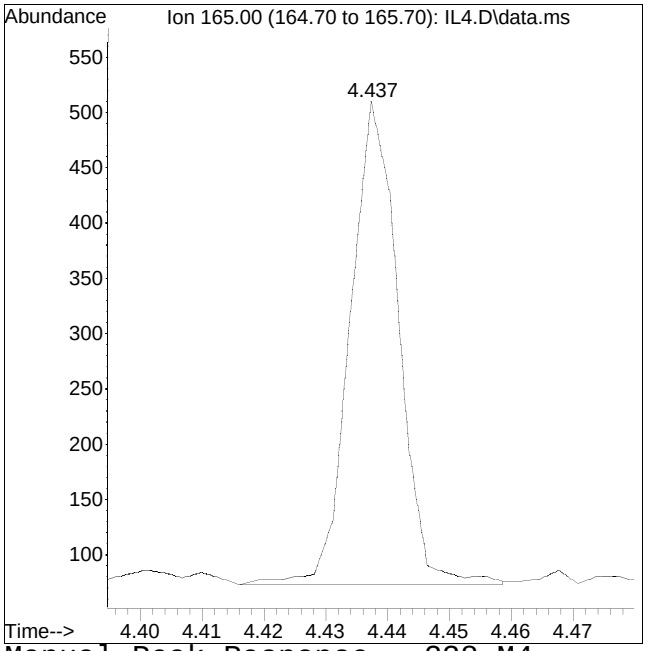
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL4.D
Date Inj'd : 11/14/2025 2:05 pm
Sample : IL4,32,,10.0 ng/mL #12040
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #20: 2,4-Dinitrotoluene



Original Peak Response = 238



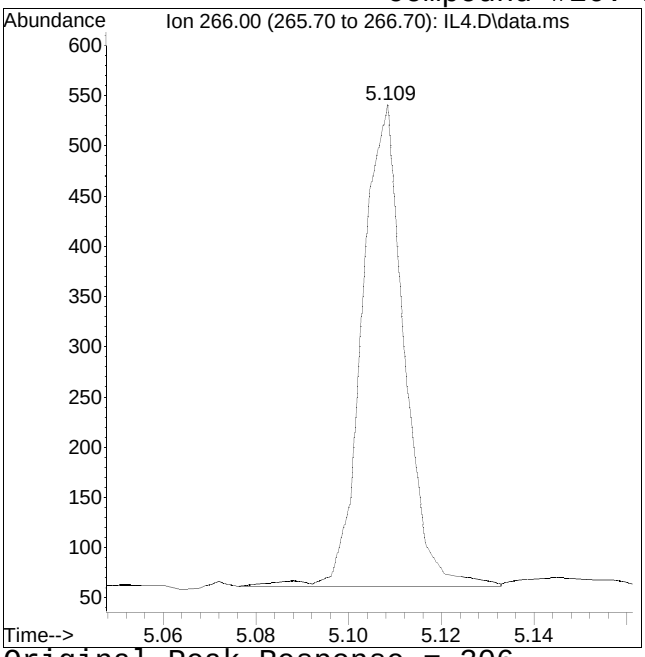
Manual Peak Response = 238 M4

M4 = Poor automated baseline construction.

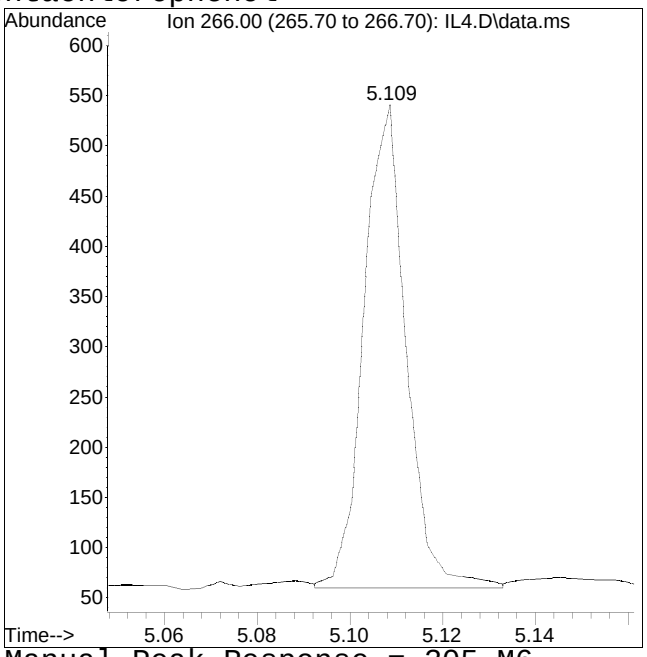
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL4.D
Date Inj'd : 11/14/2025 2:05 pm
Sample : IL4,32,,10.0 ng/mL #12040
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #26: Pentachlorophenol



Original Peak Response = 306



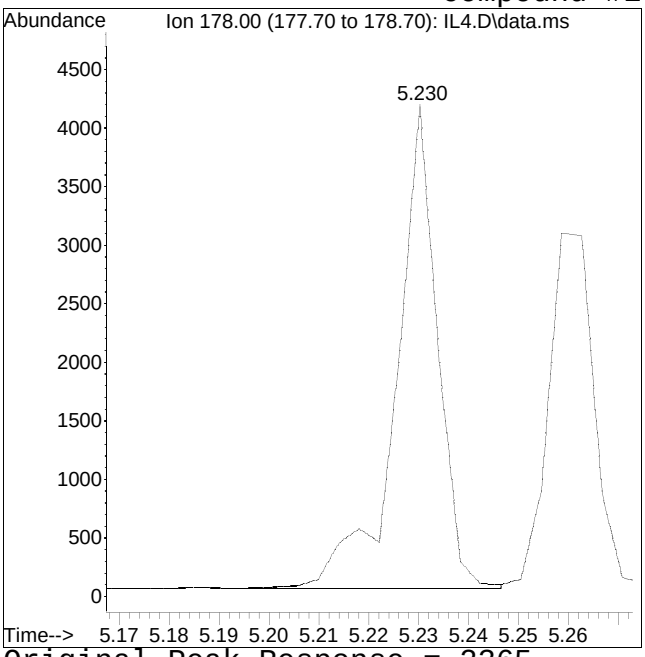
Manual Peak Response = 305 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

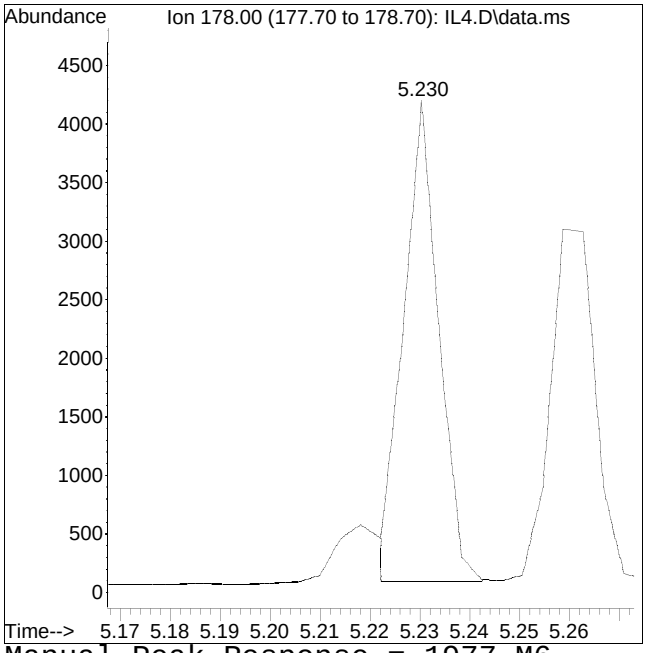
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL4.D
Date Inj'd : 11/14/2025 2:05 pm
Sample : IL4,32,,10.0 ng/mL #12040
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #27: Phenanthrene



Original Peak Response = 2365



Manual Peak Response = 1977 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL3.D
Acq On : 14 Nov 2025 02:23 pm
Operator : sv119:rp
Sample : IL3,32,,5.0 ng/mL #12041
Misc : WG2143411,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 18 16:14:05 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:30:13 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\251114RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.581	152	163948	4000.000	ng/ml	0.00
Standard Area 1 = 175492			Recovery = 93.42%			
9) Naphthalene-d8	3.285	136	629808	4000.000	ng/ml	0.00
Standard Area 1 = 692240			Recovery = 90.98%			
18) Acenaphthene-d10	4.325	164	329598	4000.000	ng/ml	0.00
Standard Area 1 = 369268			Recovery = 89.26%			
23) Phenanthrene-d10	5.218	188	679551	4000.000	ng/ml	0.00
Standard Area 1 = 766794			Recovery = 88.62%			
32) Chrysene-d12	6.881	240	629527	4000.000	ng/ml	0.00
Standard Area 1 = 658278			Recovery = 95.63%			
37) Perylene-d12	8.151	264	533653	4000.000	ng/ml	0.00
Standard Area 1 = 558973			Recovery = 95.47%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.945	112	223	4.730	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.24%#			
4) Phenol-d6	2.377	99	269	4.665	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.23%#			
8) Nitrobenzene-d5	2.879	82	217	4.455	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.45%#			
14) 2-Fluorobiphenyl	3.922	172	600	4.767	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.48%#			
22) 2,4,6-Tribromophenol	4.797	330	64	4.507	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.23%#			
31) 4-Terphenyl-d14	6.200	244	725	4.936	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.49%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.426	74	170M7	5.562	ng/mL	
5) Bis(2-chloroethyl)ether	2.435	93	260	5.053	ng/ml	98
6) n-nitrosodi-n-propylamine	2.795	70	149M7	4.430	ng/ml	
7) Hexachloroethane	2.858	117	103	4.879	ng/ml	97
10) Naphthalene	3.295	128	810M6	4.963	ng/ml	
11) Hexachlorobutadiene	3.376	225	133	4.953	ng/ml	99
12) 2-Methylnaphthalene	3.700	142	485	4.820	ng/ml	100
13) 1-Methylnaphthalene	3.759	142	490	4.827	ng/ml	99
15) 2-Chloronaphthalene	3.988	162	514	4.812	ng/ml	98
16) 2,6-Dinitrotoluene	4.194	165	105M4	4.588	ng/ml	
17) Acenaphthylene	4.236	152	778	4.590	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL3.D
Acq On : 14 Nov 2025 02:23 pm
Operator : sv119:rp
Sample : IL3,32,,5.0 ng/mL #12041
Misc : WG2143411,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 18 16:14:05 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:30:13 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\251114RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	4.343	153	531M4	4.829	ng/ml	
20) 2,4-Dinitrotoluene	4.440	165	116M4	4.071	ng/ml	
21) Fluorene	4.654	166	608	4.812	ng/ml	99
24) 4,6-Dinitro-o-cresol	4.684	198	47M7	2.765	ng/ml	
25) Hexachlorobenzene	4.991	284	181M1	4.892	ng/ml	
26) Pentachlorophenol	5.108	266	189	1.779	ng/ml	98
27) Phenanthrene	5.230	178	941M6	4.962	ng/ml	
28) Anthracene	5.263	178	902	4.848	ng/ml	95
29) Fluoranthene	5.959	202	1037	4.909	ng/ml	99
30) Pyrene	6.098	202	1065	4.846	ng/ml	97
33) Benzo[a]anthracene	6.875	226	380	6.235	ng/ml#	1
34) 3,3'-Dichlorobenzidine	6.858	252	279	4.189	ng/ml#	95
35) Chrysene	6.898	228	959	4.773	ng/ml	99
36) Bis(2-ethylhexyl)phtha...	6.910	149	571	4.702	ng/ml	97
38) Benzo[b]fluoranthene	7.760	252	852	4.977	ng/ml	98
39) Benzo[k]fluoranthene	7.784	252	795	4.658	ng/ml	95
40) Benzo[a]pyrene	8.085	252	721	4.771	ng/ml	96
41) Indeno[1,2,3-cd]pyrene	9.418	276	587M7	4.687	ng/ml	
42) Dibenzo[a,h]anthracene	9.461	278	494M7	4.264	ng/ml	
43) Benzo[g,h,i]perylene	9.776	276	574	4.661	ng/ml	96

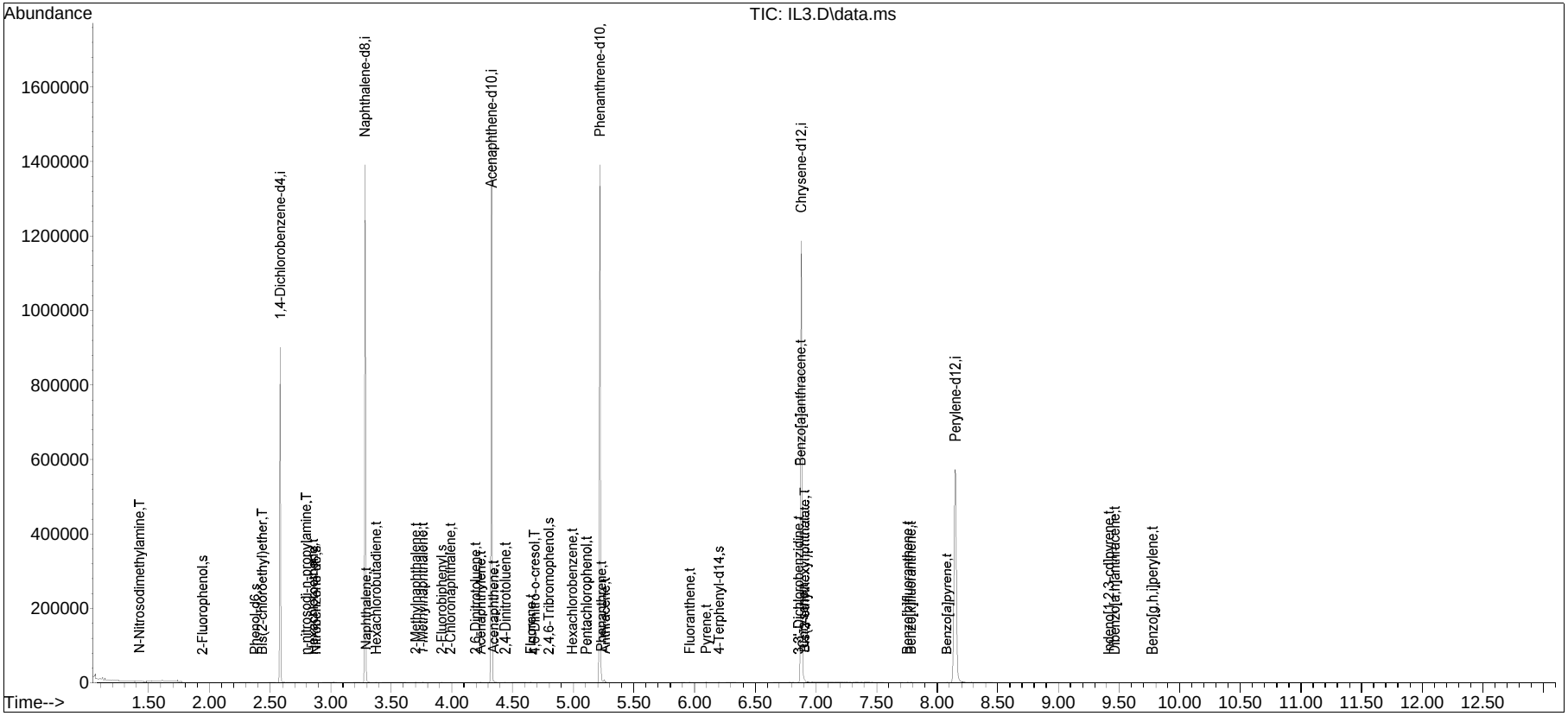
(#) = qualifier out of range (m) = manual integration (+) = signals summed

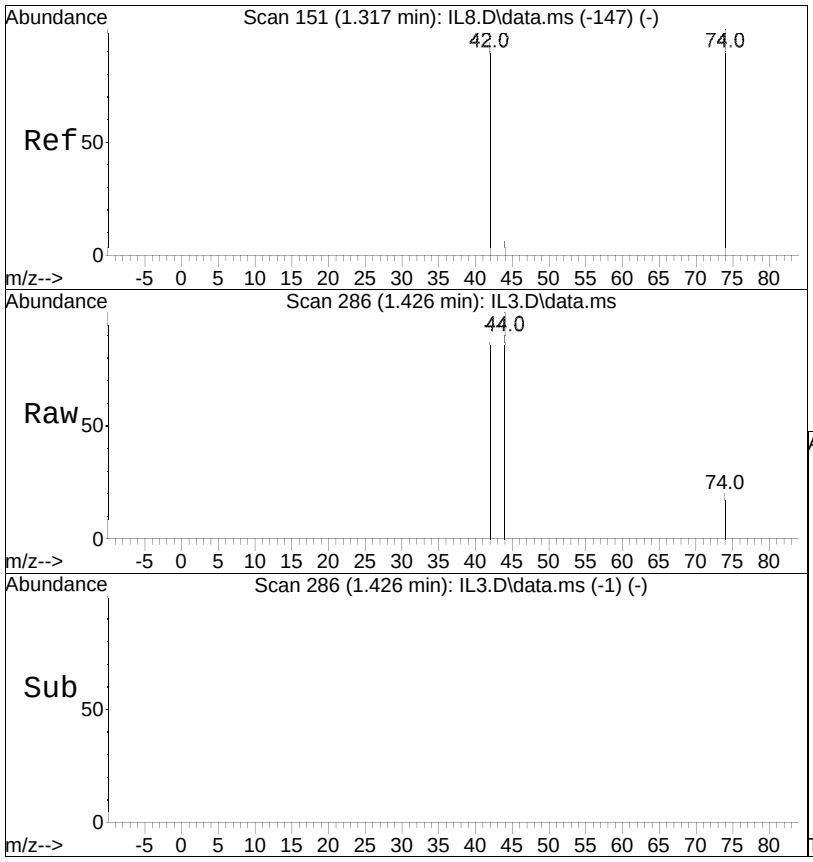
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL3.D
Acq On : 14 Nov 2025 02:23 pm
Operator : sv119:rp
Sample : IL3,32,,5.0 ng/mL #12041
Misc : WG2143411,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 18 16:14:05 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:30:13 2025
Response via : Initial Calibration

Sub List : Default - All compounds listedical\IL8.D•

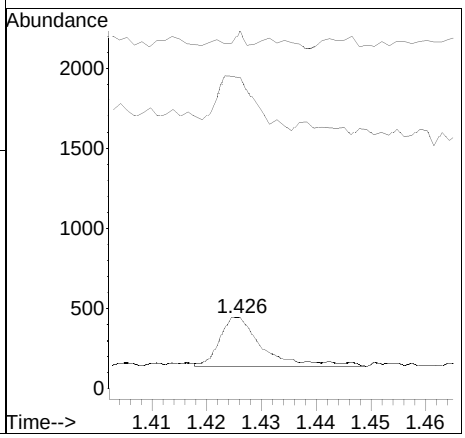


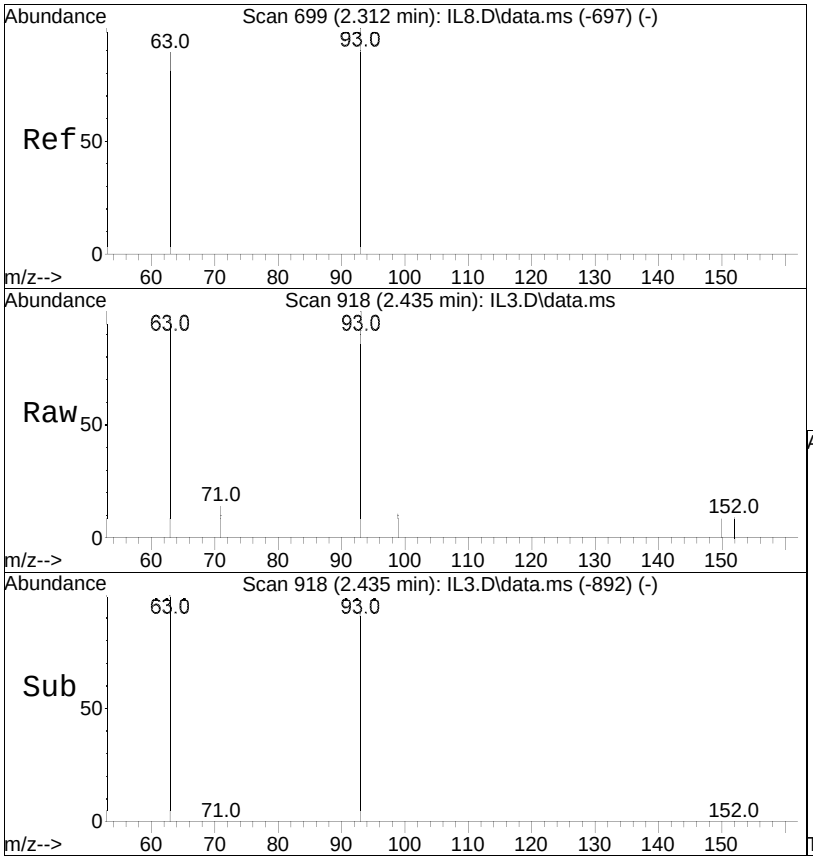


#2
N-Nitrosodimethylamine
Concen: 5.56 ng/mL M7
RT: 1.426 min Scan# 286
Delta R.T. 0.004 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion: 74 Resp: 170

Ion	Ratio	Lower	Upper
74	100		
42	65.3	76.9	115.3#
44	7.6	5.4	8.0

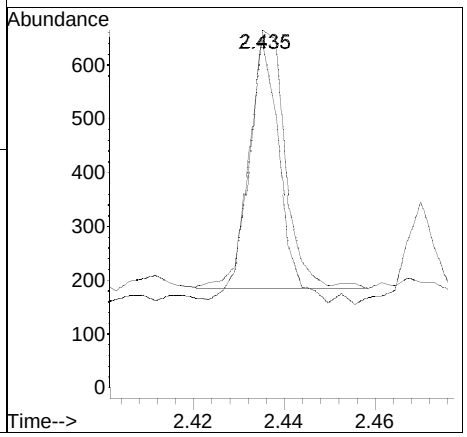


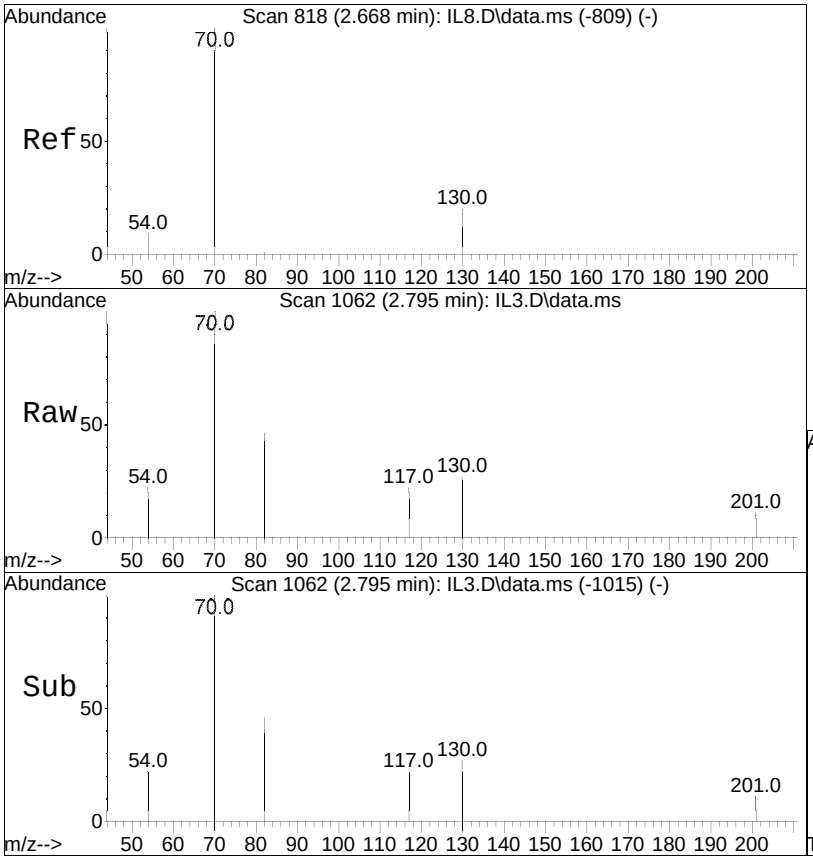


#5
Bis(2-chloroethyl)ether
Concen: 5.05 ng/ml
RT: 2.435 min Scan# 918
Delta R.T. -0.003 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion: 93 Resp: 260

Ion	Ratio	Lower	Upper
93	100		
63	93.5	76.7	115.1

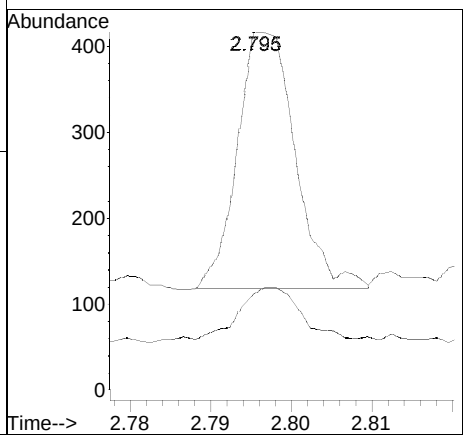


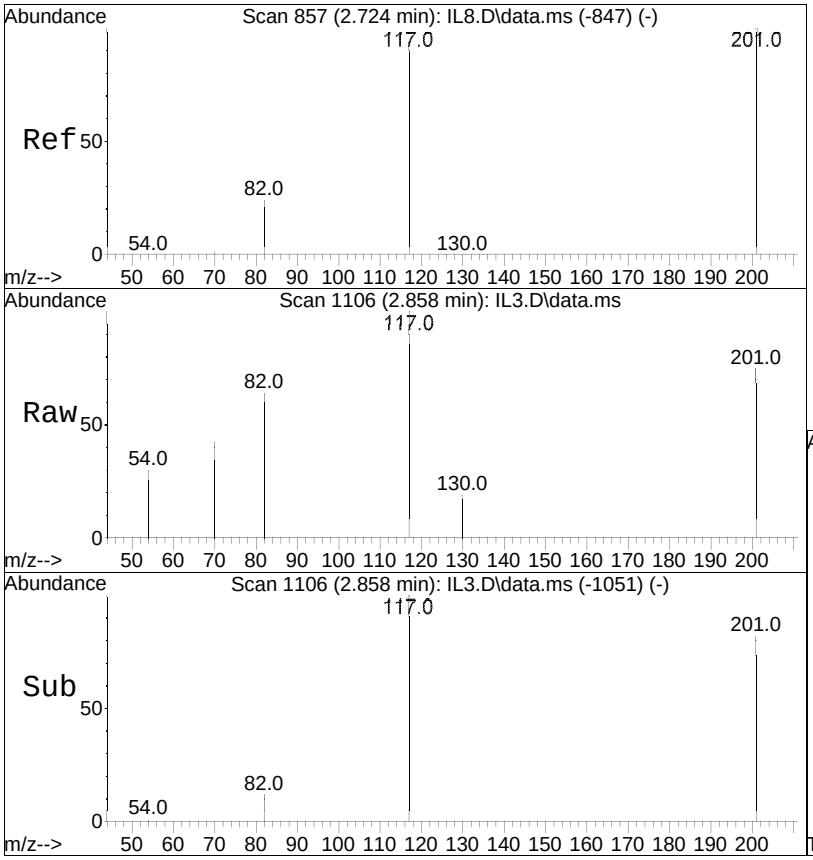


#6
n-nitrosodi-n-propylamine
Concen: 4.43 ng/ml M7
RT: 2.795 min Scan# 1062
Delta R.T. -0.001 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion: 70 Resp: 149

Ion	Ratio	Lower	Upper
70	100		
130	21.5	15.9	23.9

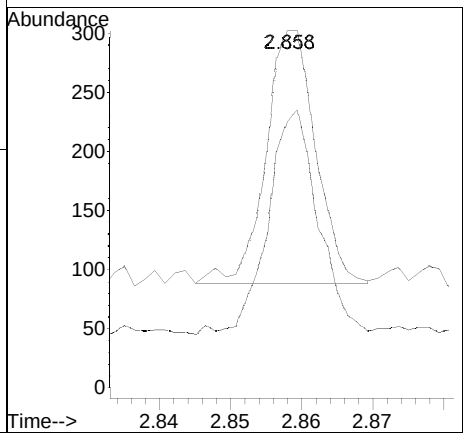


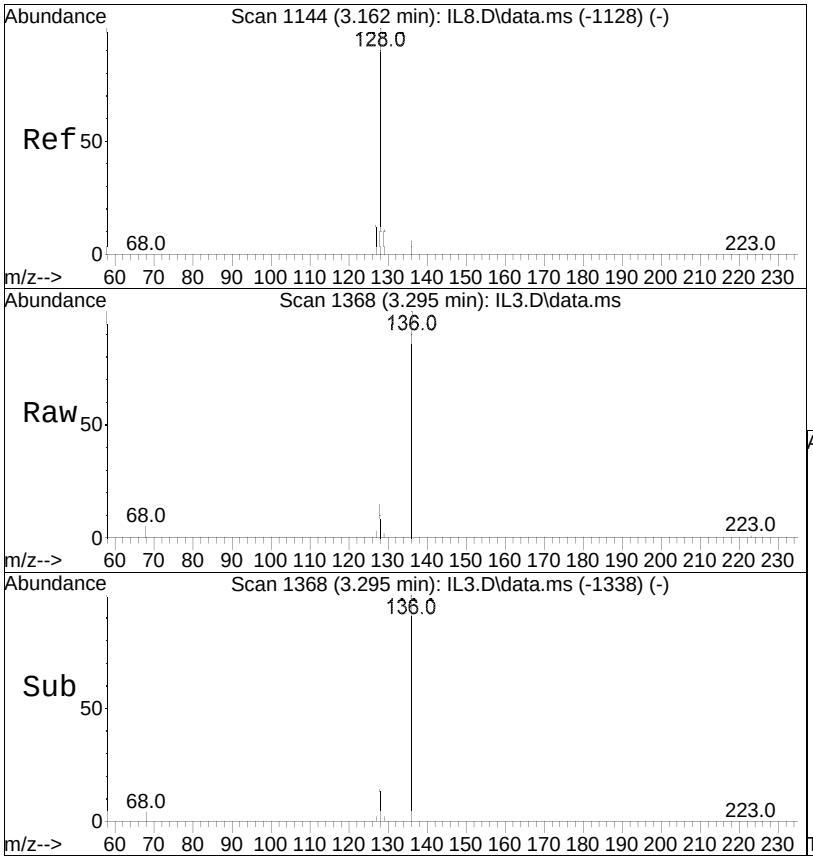


#7
Hexachloroethane
Concen: 4.88 ng/ml
RT: 2.858 min Scan# 1106
Delta R.T. -0.003 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:117 Resp: 103

Ion	Ratio	Lower	Upper
117	100		
201	91.3	75.4	113.0

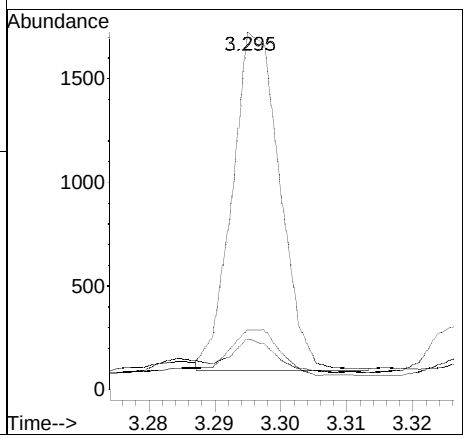


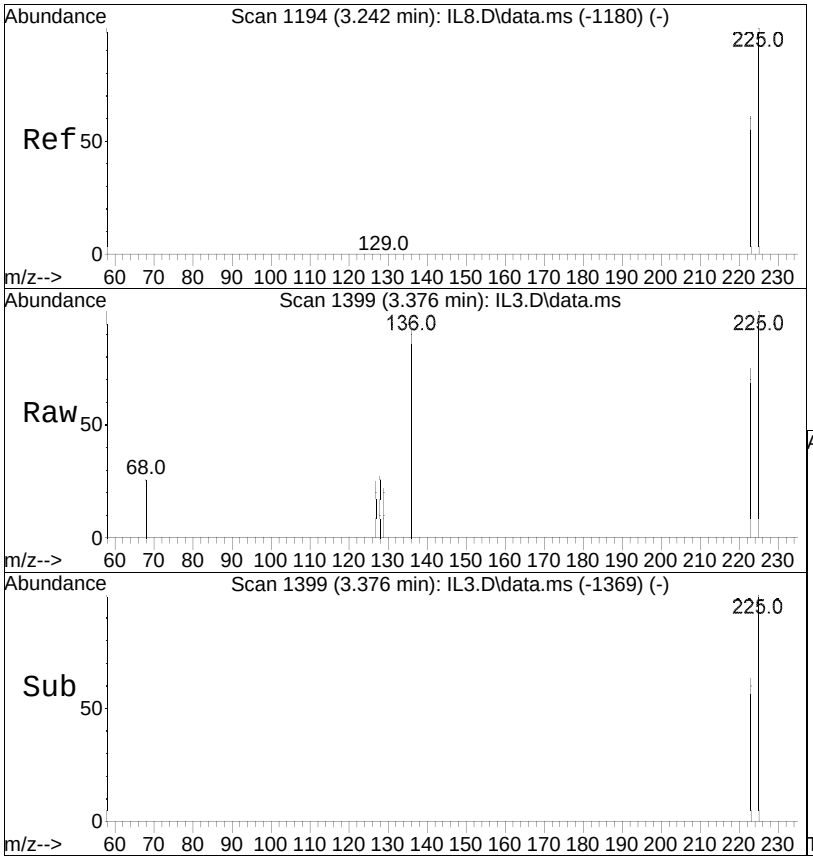


#10
Naphthalene
Concen: 4.96 ng/ml M6
RT: 3.295 min Scan# 1368
Delta R.T. -0.003 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:128 Resp: 810

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	14.4	10.5	15.7

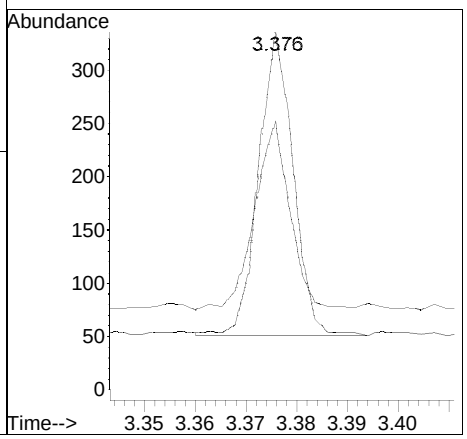


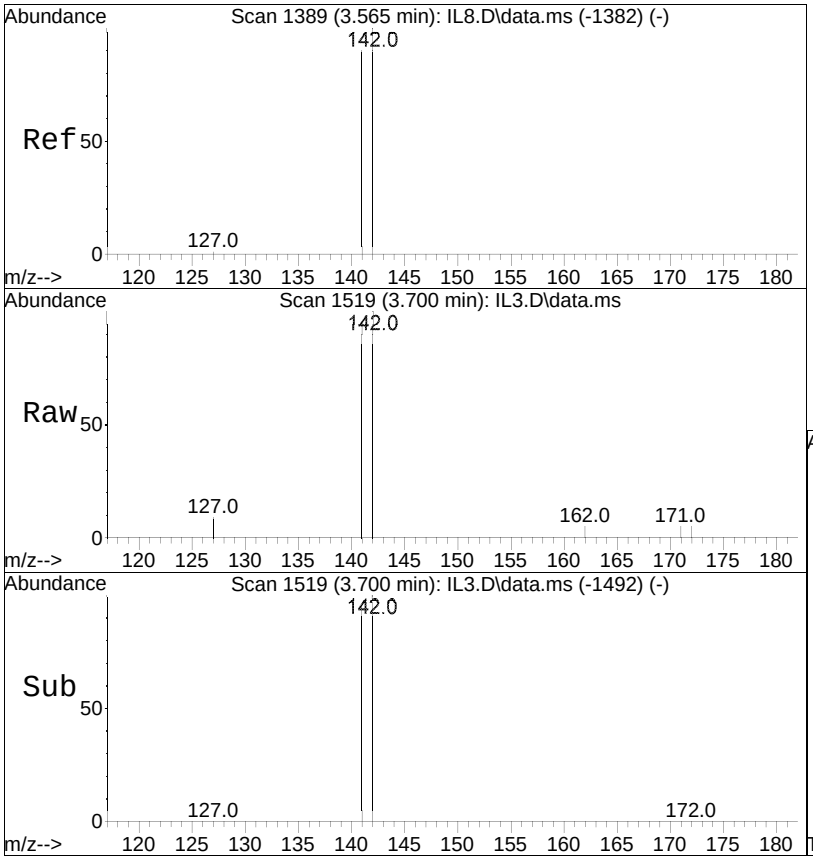


#11
Hexachlorobutadiene
Concen: 4.95 ng/ml
RT: 3.376 min Scan# 1399
Delta R.T. -0.002 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:225 Resp: 133

Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.7	76.1

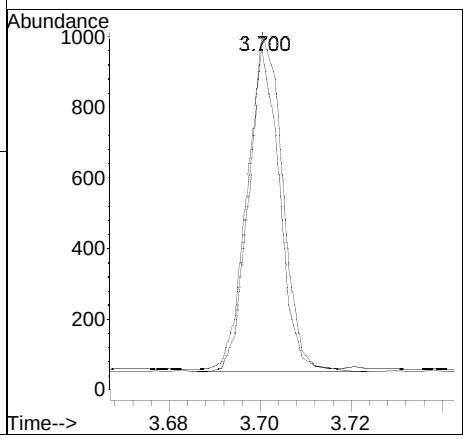


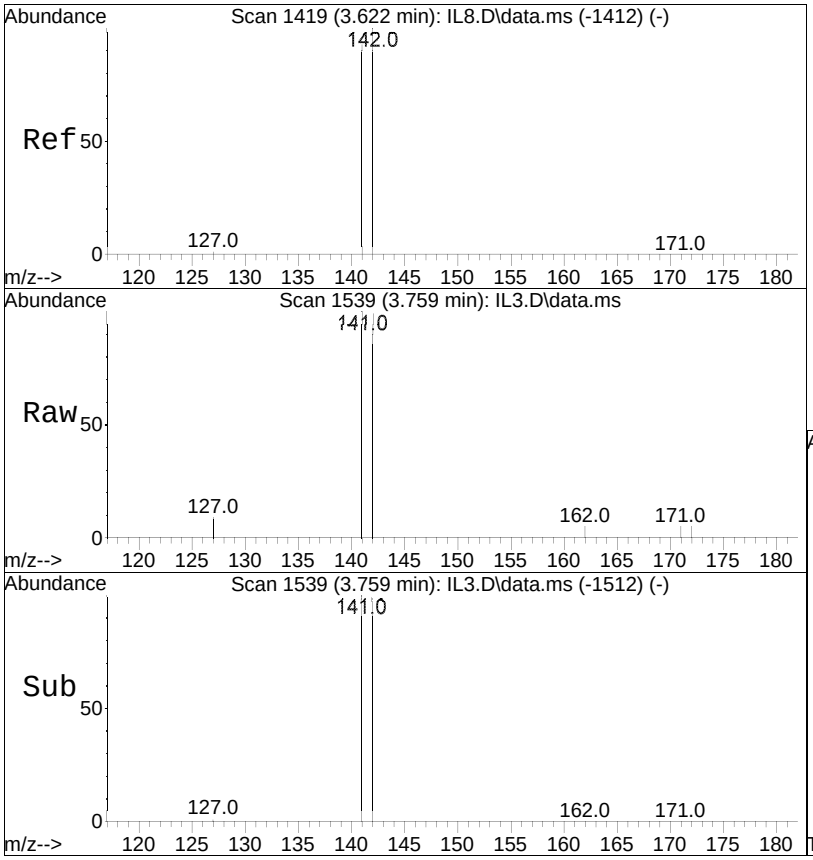


#12
2-Methylnaphthalene
Concen: 4.82 ng/ml
RT: 3.700 min Scan# 1519
Delta R.T. -0.003 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:142 Resp: 485

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.4	110.2

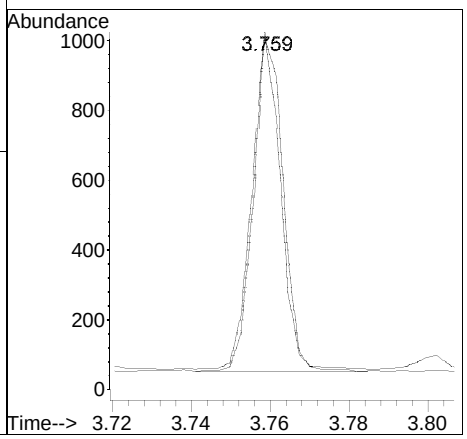


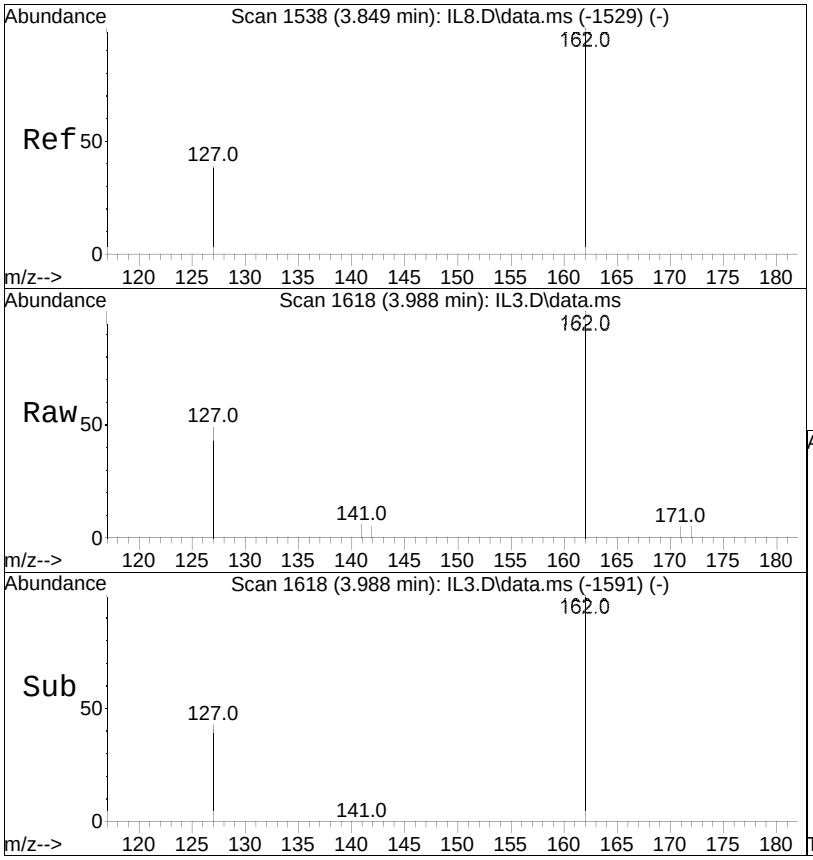


#13
1-Methylnaphthalene
Concen: 4.83 ng/ml
RT: 3.759 min Scan# 1539
Delta R.T. -0.002 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:142 Resp: 490

Ion	Ratio	Lower	Upper
142	100		
141	95.7	75.9	113.9

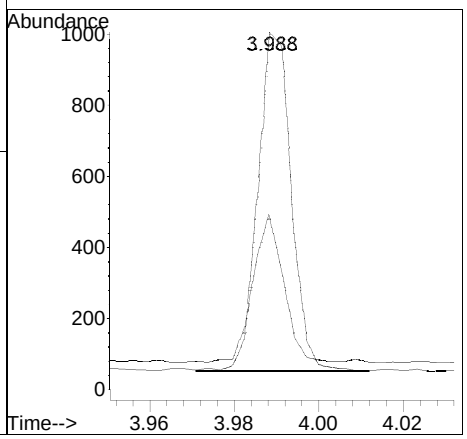


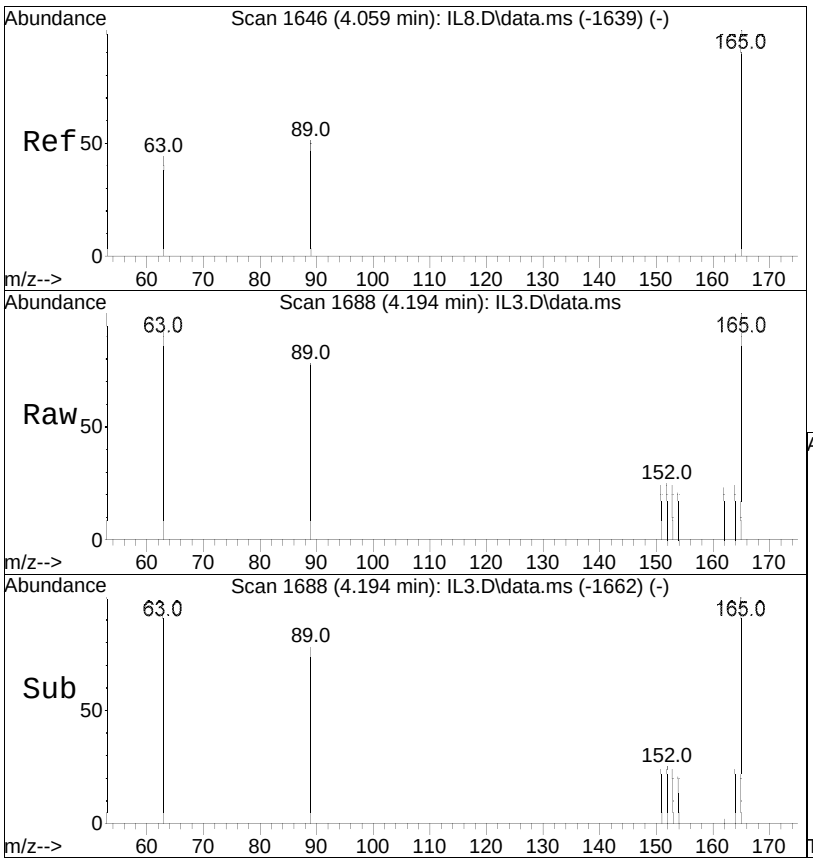


#15
2-Chloronaphthalene
Concen: 4.81 ng/ml
RT: 3.988 min Scan# 1618
Delta R.T. -0.003 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:162 Resp: 514

Ion	Ratio	Lower	Upper
162	100		
127	39.9	31.1	46.7

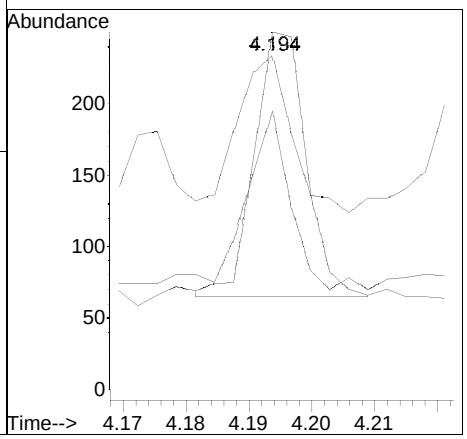


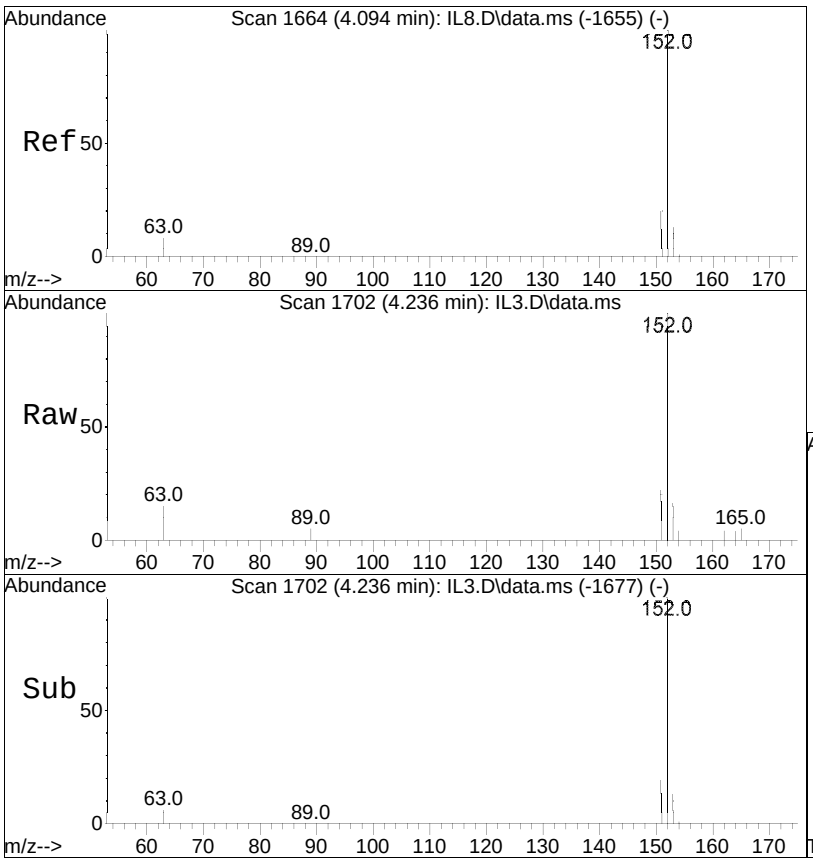


#16
2,6-Dinitrotoluene
Concen: 4.59 ng/ml M4
RT: 4.194 min Scan# 1688
Delta R.T. -0.003 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:165 Resp: 105

Ion	Ratio	Lower	Upper
165	100		
89	63.8	45.8	68.6
63	65.7	50.6	76.0

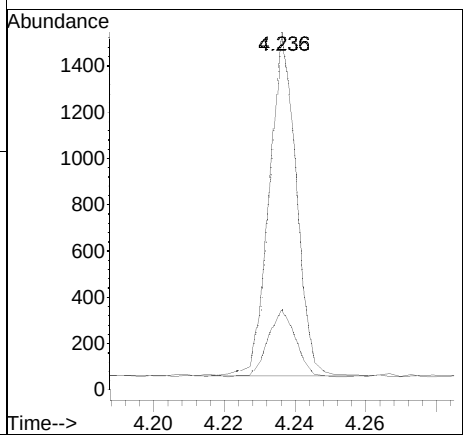


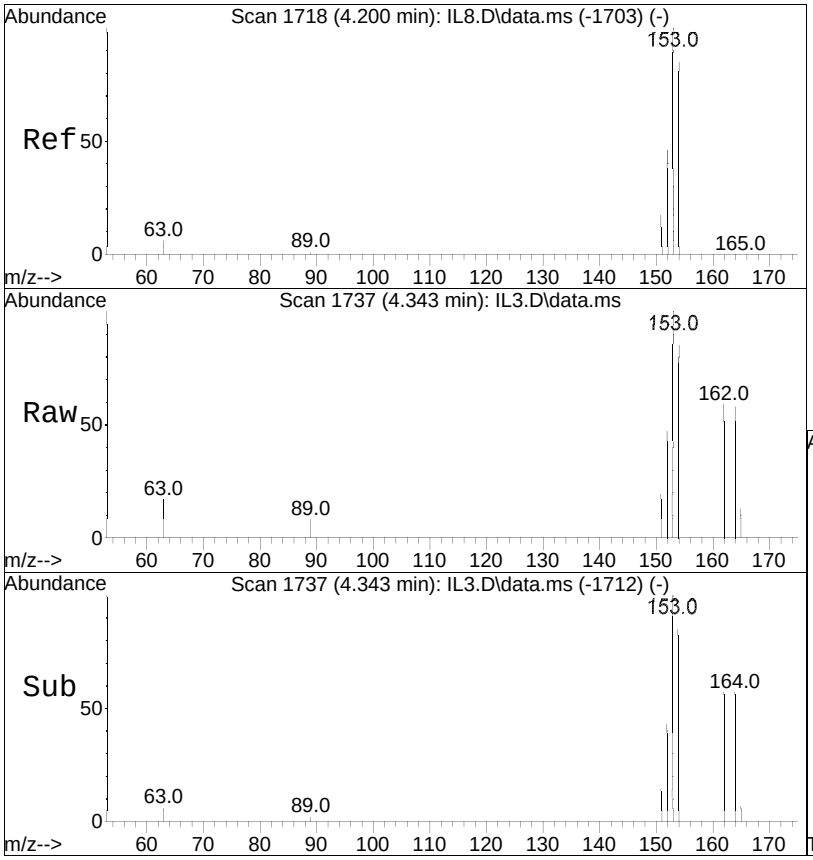


#17
Acenaphthylene
Concen: 4.59 ng/ml
RT: 4.236 min Scan# 1702
Delta R.T. -0.003 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:152 Resp: 778

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.9	23.9

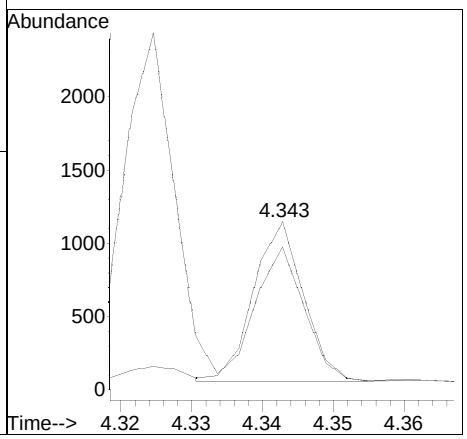


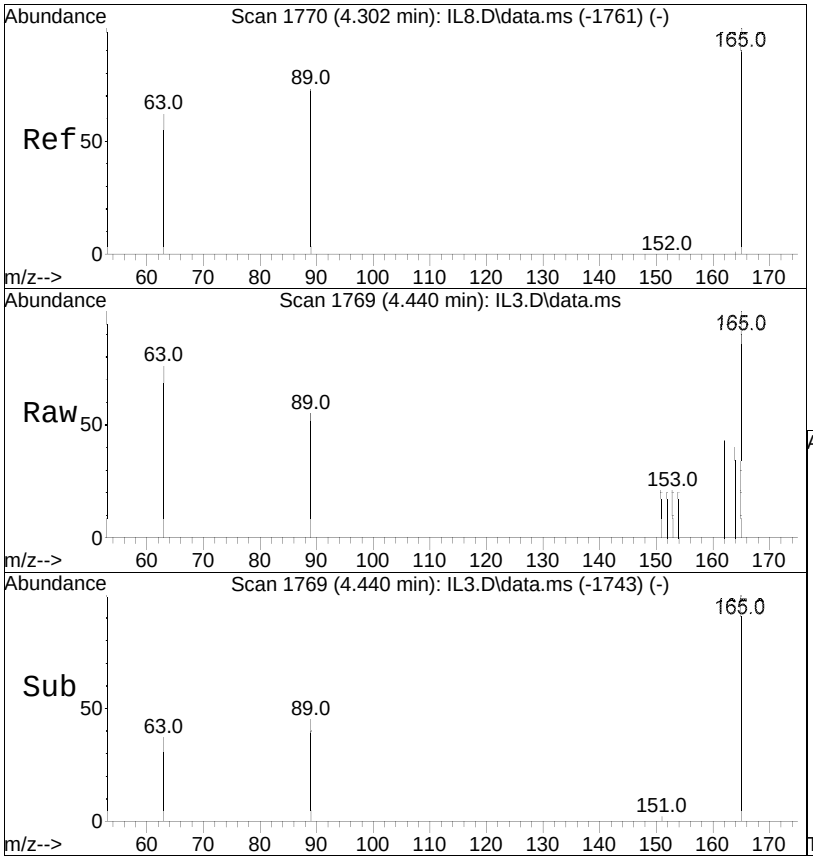


#19
Acenaphthene
Concen: 4.83 ng/ml M4
RT: 4.343 min Scan# 1737
Delta R.T. -0.003 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:153 Resp: 531

Ion	Ratio	Lower	Upper
153	100		
154	85.9	72.6	108.8

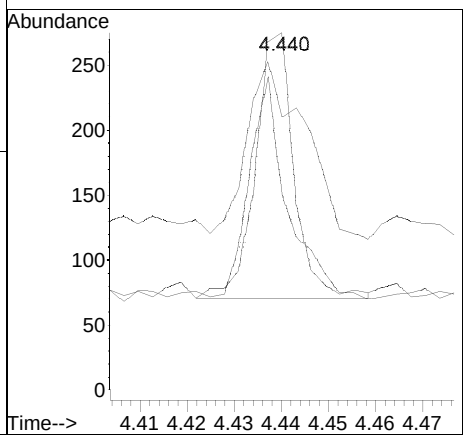


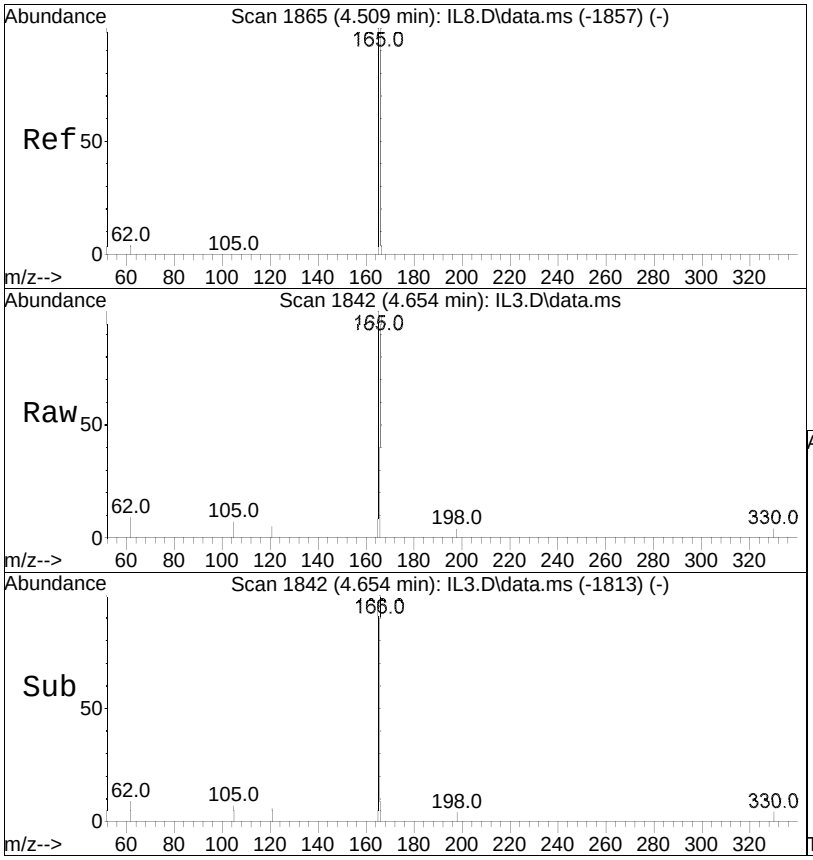


#20
2,4-Dinitrotoluene
Concen: 4.07 ng/ml M4
RT: 4.440 min Scan# 1769
Delta R.T. 0.000 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:165 Resp: 116

Ion	Ratio	Lower	Upper
165	100		
89	82.8	67.8	101.6
63	67.2	59.1	88.7

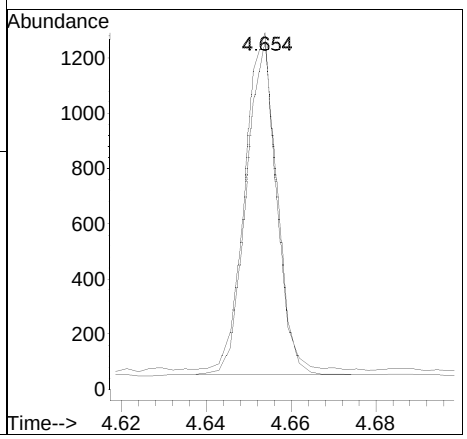


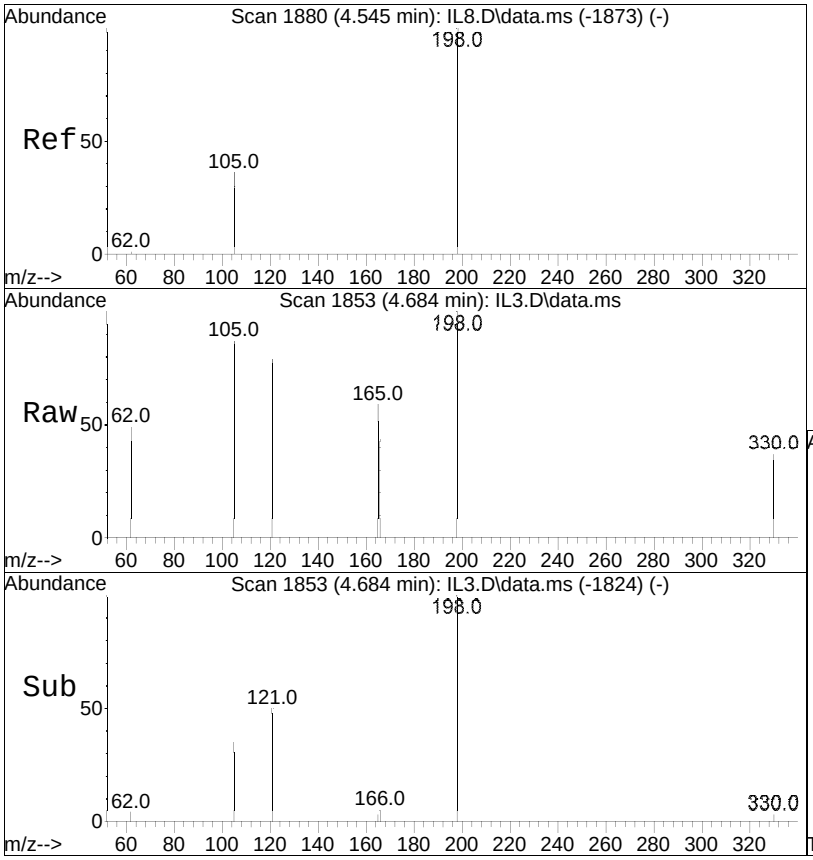


#21
Fluorene
Concen: 4.81 ng/ml
RT: 4.654 min Scan# 1842
Delta R.T. -0.000 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:166 Resp: 608

Ion	Ratio	Lower	Upper
166	100		
165	102.8	81.6	122.4

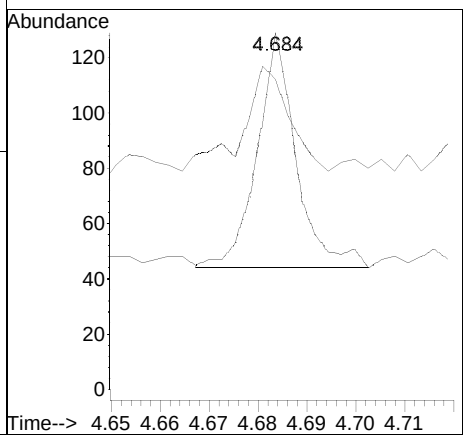


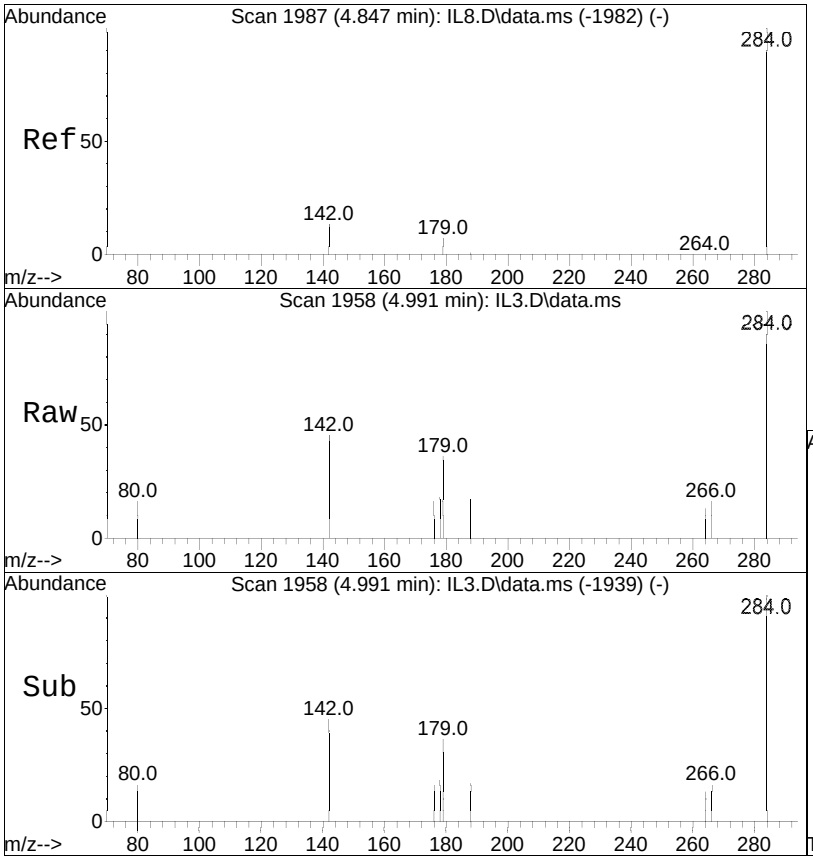


#24
4,6-Dinitro-o-cresol
Concen: 2.77 ng/ml M7
RT: 4.684 min Scan# 1853
Delta R.T. -0.002 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:198 Resp: 47

Ion	Ratio	Lower	Upper
198	100		
105	38.3	36.4	54.6

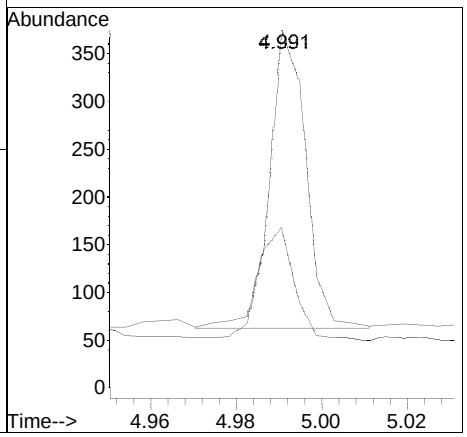


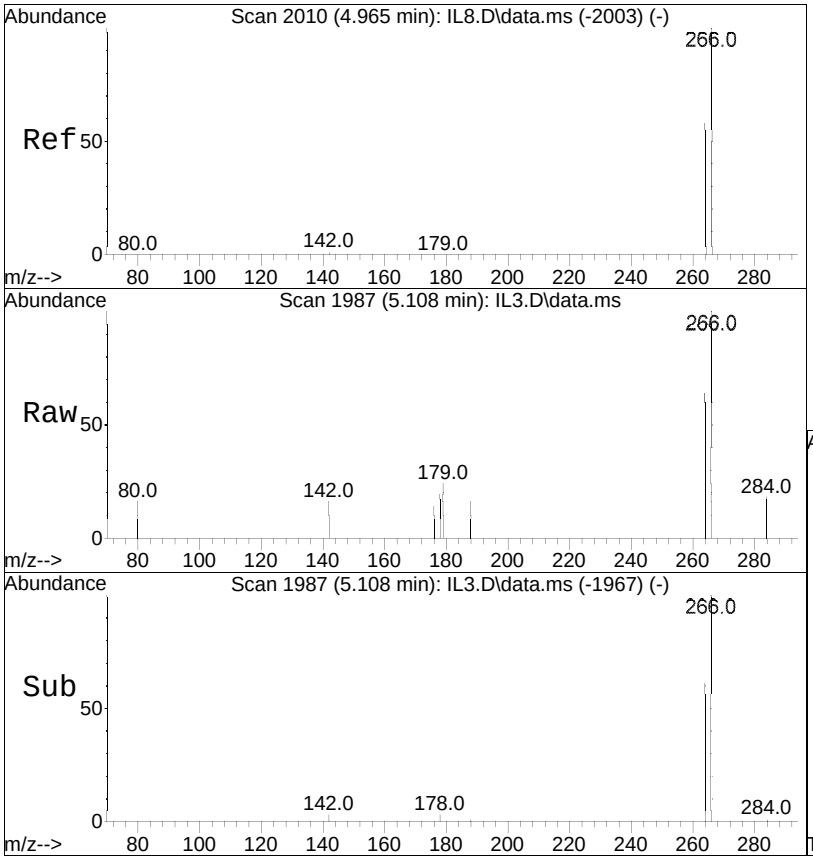


#25
Hexachlorobenzene
Concen: 4.89 ng/ml M1
RT: 4.991 min Scan# 1958
Delta R.T. -0.004 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:284 Resp: 181

Ion	Ratio	Lower	Upper
284	100		
142	38.1	31.1	46.7

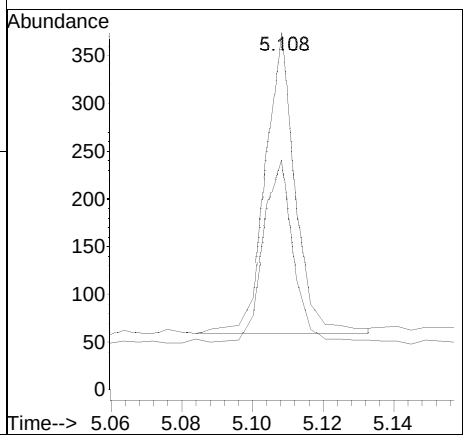


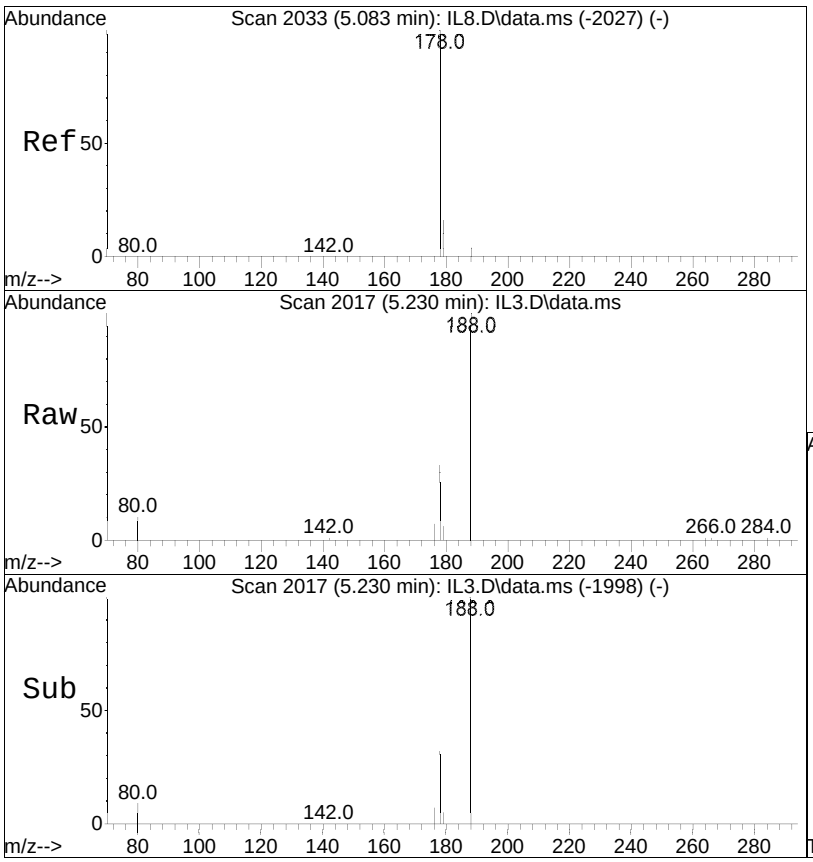


#26
Pentachlorophenol
Concen: 1.78 ng/ml
RT: 5.108 min Scan# 1987
Delta R.T. 0.000 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:266 Resp: 189

Ion	Ratio	Lower	Upper
266	100		
264	62.4	51.0	76.4

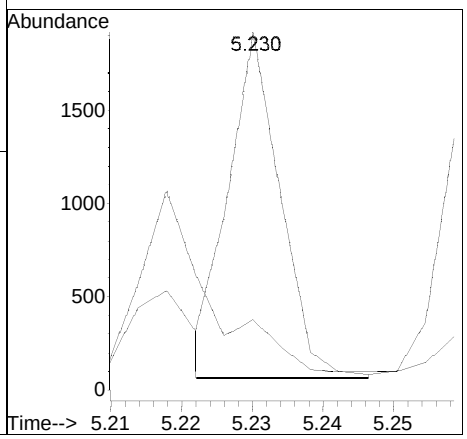


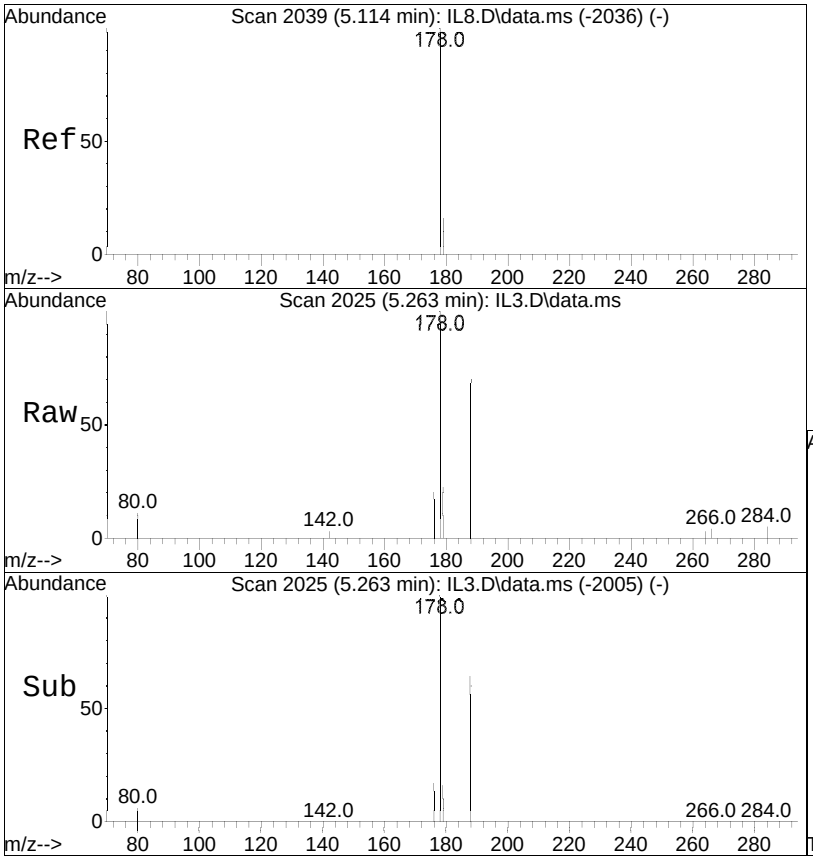


#27
Phenanthrene
Concen: 4.96 ng/ml M6
RT: 5.230 min Scan# 2017
Delta R.T. -0.004 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:178 Resp: 941

Ion	Ratio	Lower	Upper
178	100		
179	13.0	12.4	18.6

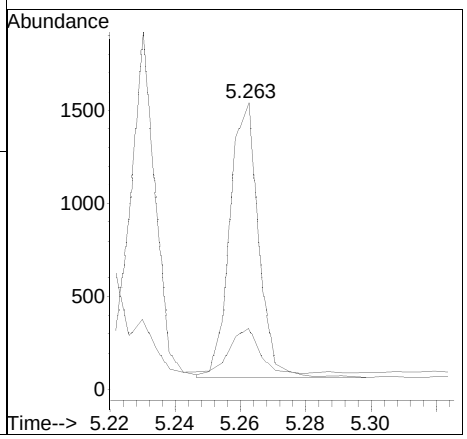


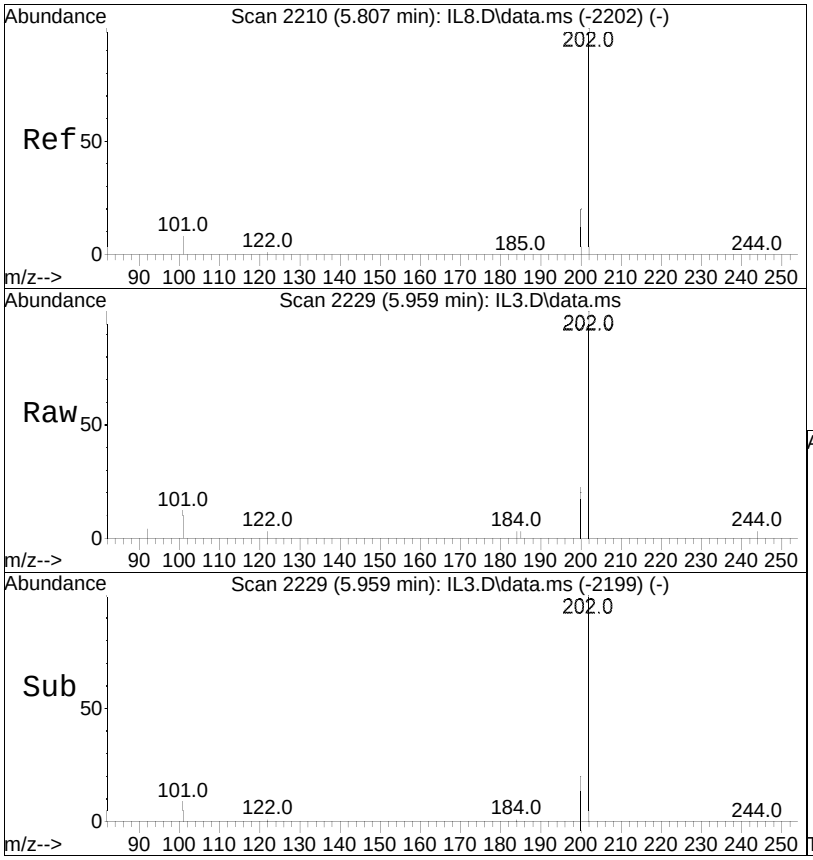


#28
Anthracene
Concen: 4.85 ng/ml
RT: 5.263 min Scan# 2025
Delta R.T. -0.000 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:178 Resp: 902

Ion	Ratio	Lower	Upper
178	100		
179	17.3	12.3	18.5

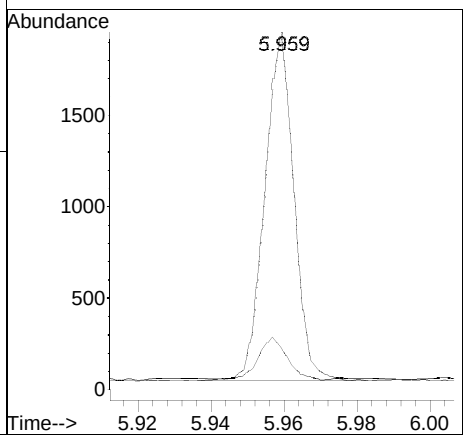


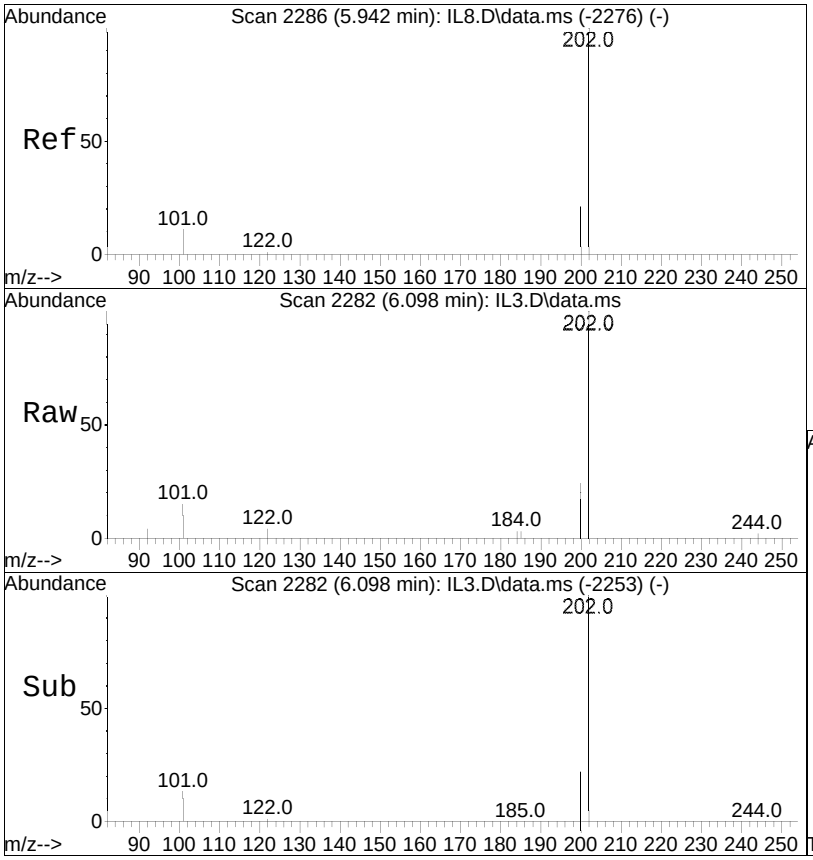


#29
Fluoranthene
Concen: 4.91 ng/ml
RT: 5.959 min Scan# 2229
Delta R.T. -0.003 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:202 Resp: 1037

Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.1	13.7

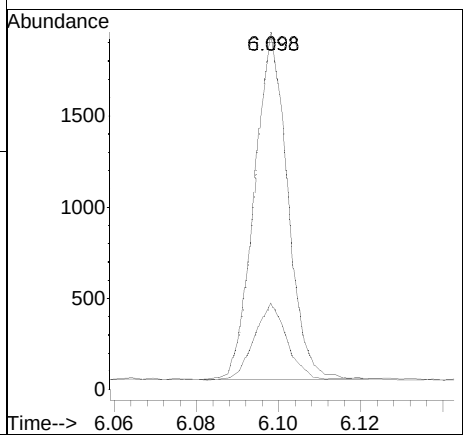


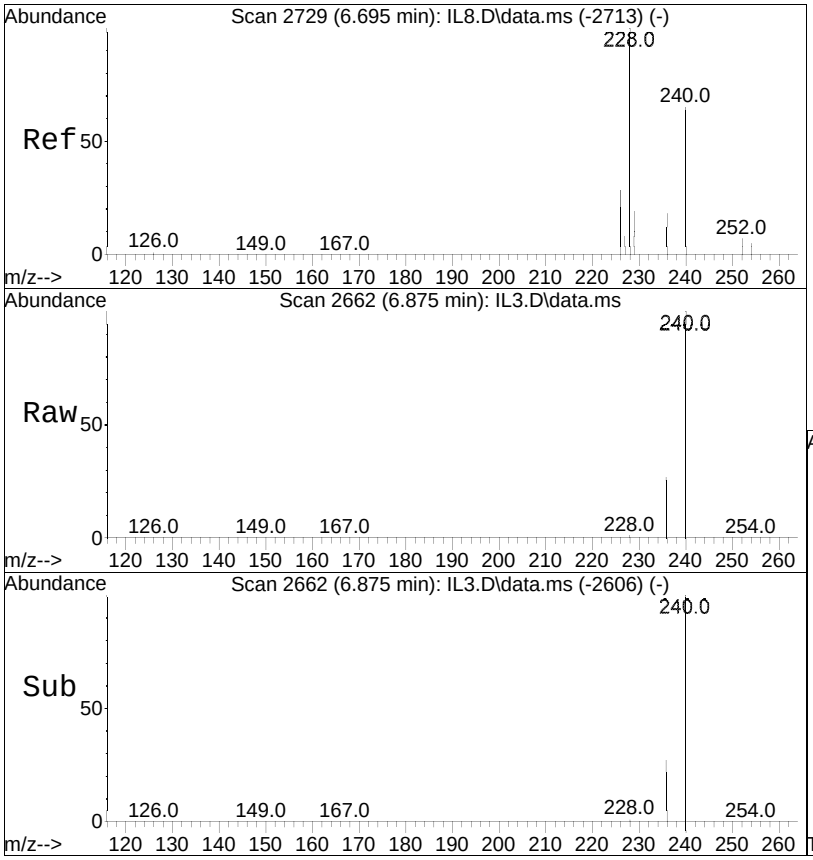


#30
Pyrene
Concen: 4.85 ng/ml
RT: 6.098 min Scan# 2282
Delta R.T. -0.003 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:202 Resp: 1065

Ion	Ratio	Lower	Upper
202	100		
200	22.5	16.8	25.2

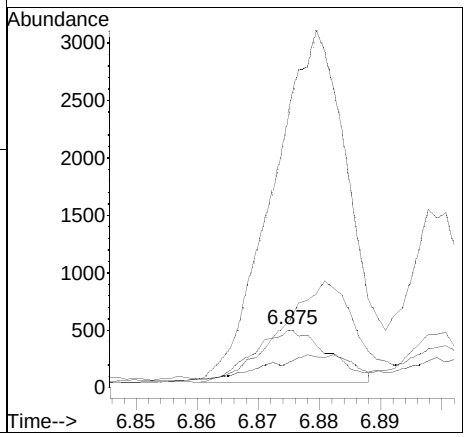


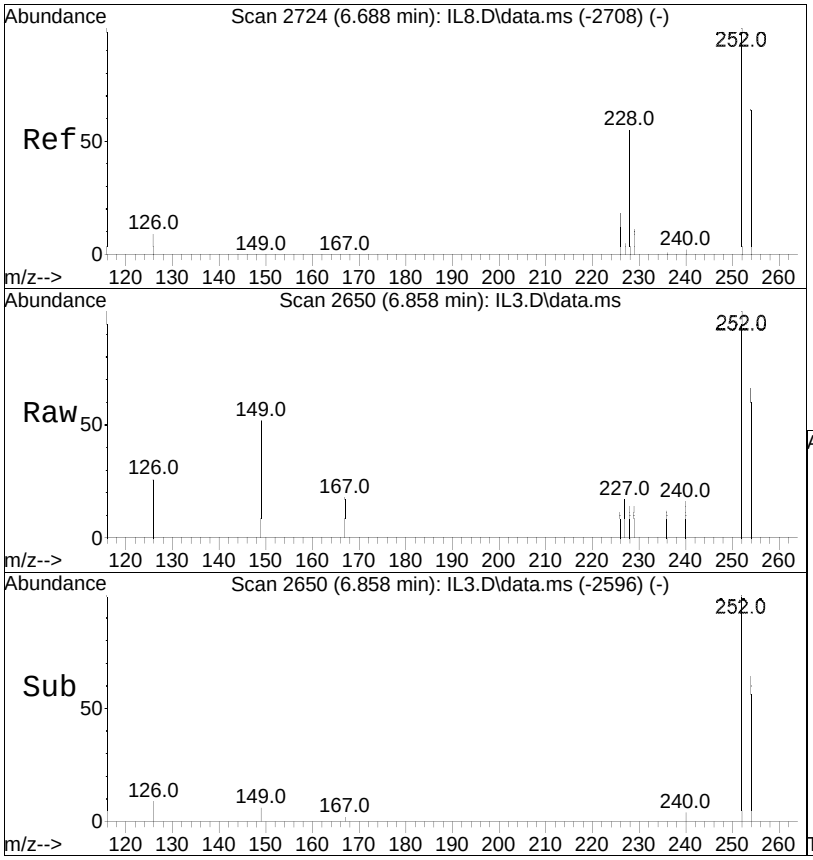


#33
Benzo[a]anthracene
Concen: 6.23 ng/ml
RT: 6.875 min Scan# 2662
Delta R.T. -0.002 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:226 Resp: 380

Ion	Ratio	Lower	Upper
226	100		
227	51.3	24.1	36.1#
228	696.3	288.2	432.2#
229	189.5	56.6	84.8#

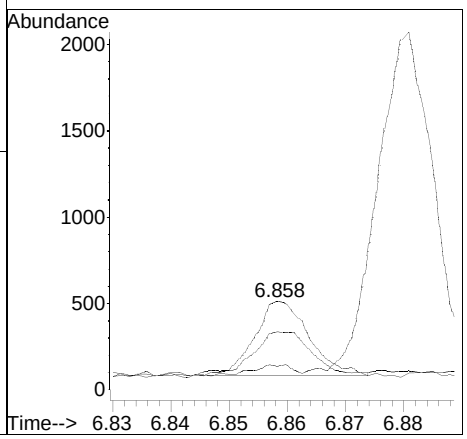


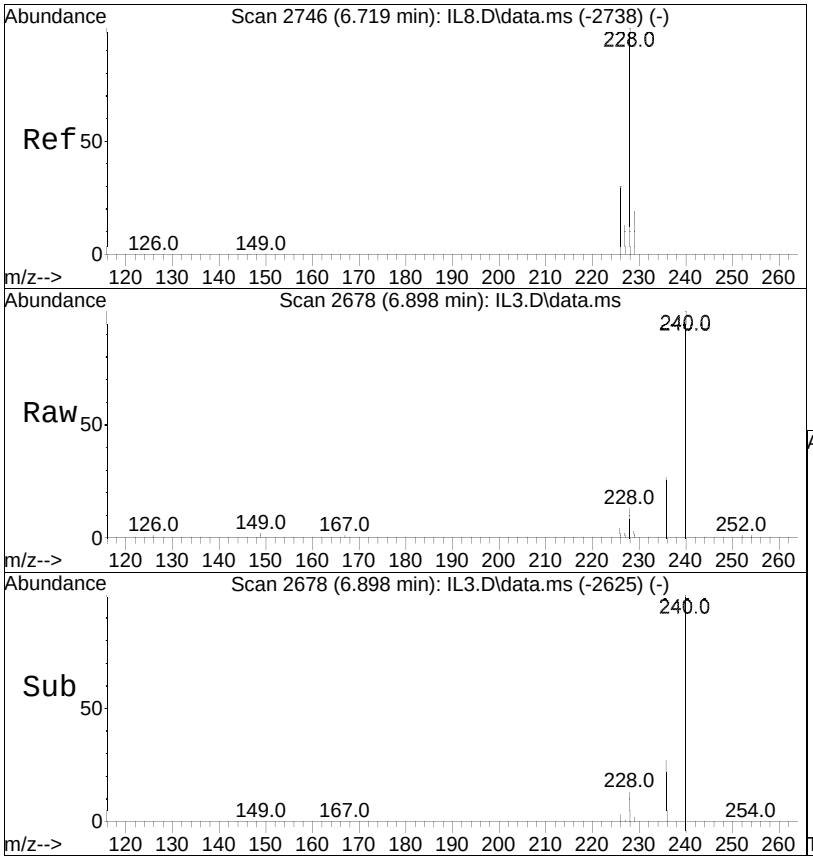


#34
3,3'-Dichlorobenzidine
Concen: 4.19 ng/ml
RT: 6.858 min Scan# 2650
Delta R.T. -0.005 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:252 Resp: 279

Ion	Ratio	Lower	Upper
252	100		
126	15.4	9.0	13.6#
254	67.4	51.5	77.3

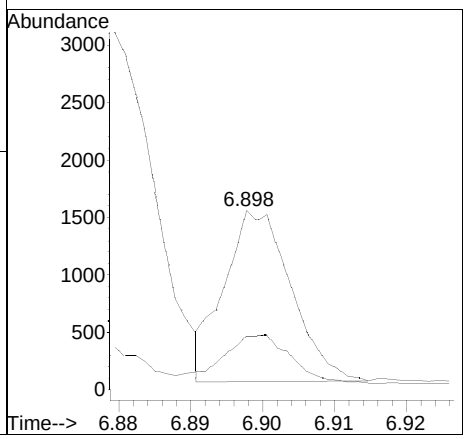


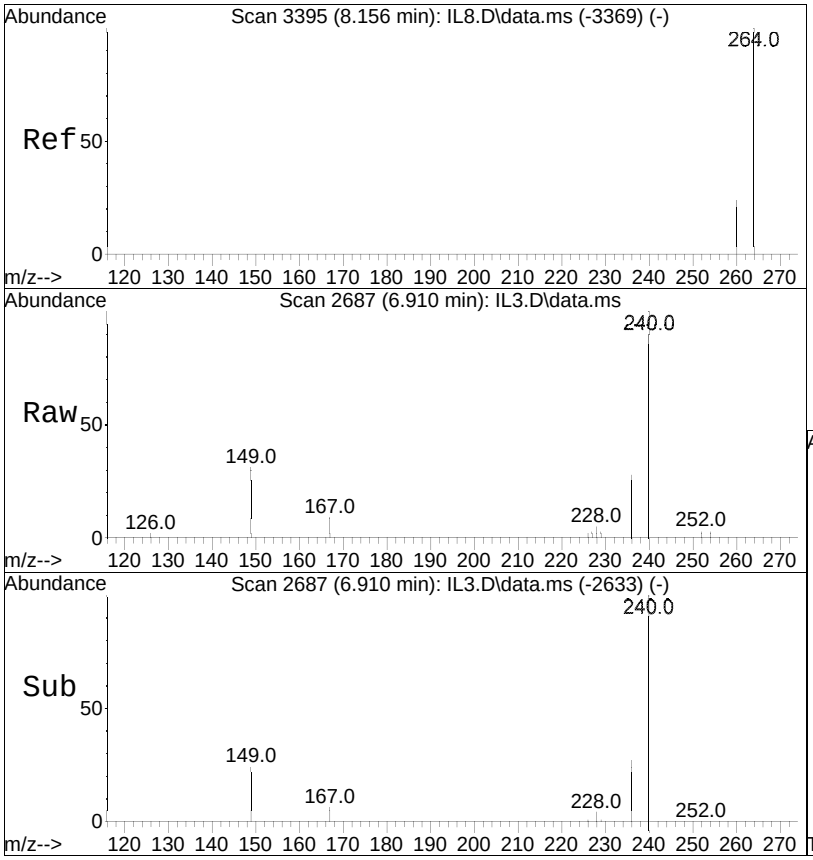


#35
Chrysene
Concen: 4.77 ng/ml
RT: 6.898 min Scan# 2678
Delta R.T. -0.005 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:228 Resp: 959

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.1	36.1

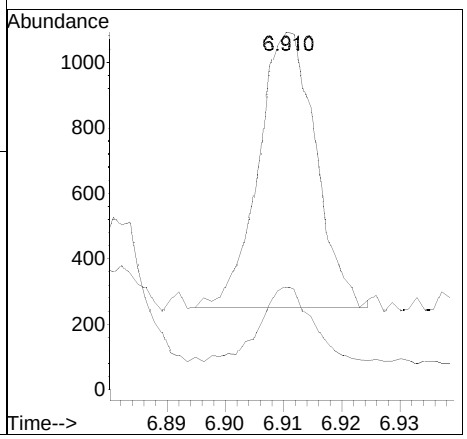


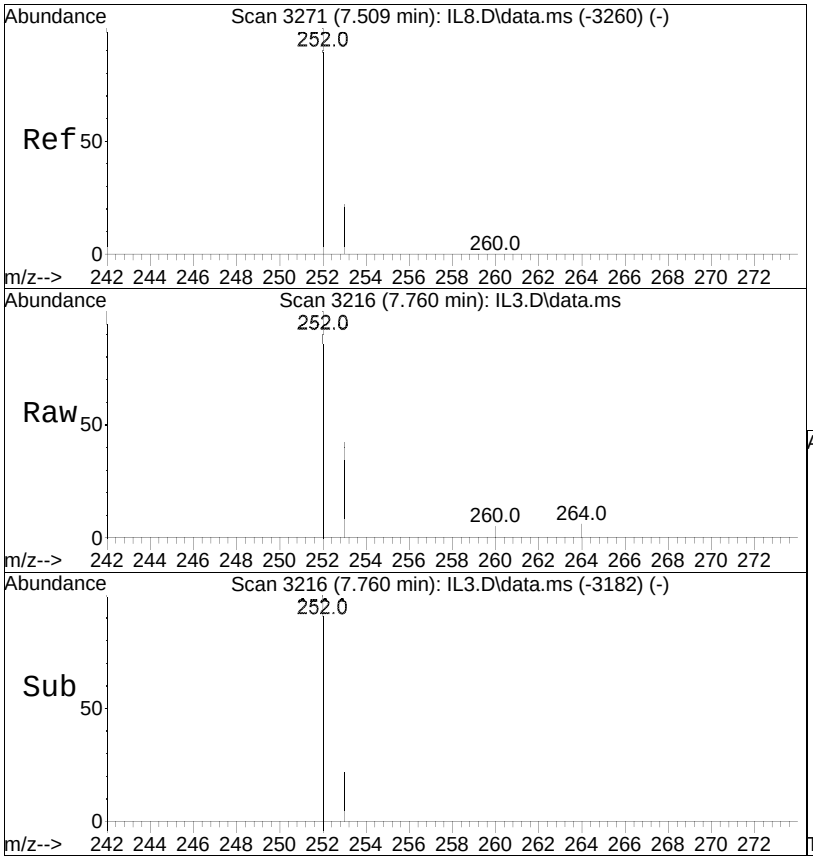


#36
Bis(2-ethylhexyl)phthalate
Concen: 4.70 ng/ml
RT: 6.910 min Scan# 2687
Delta R.T. -0.005 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:149 Resp: 571

Ion	Ratio	Lower	Upper
149	100		
167	25.4	19.3	28.9

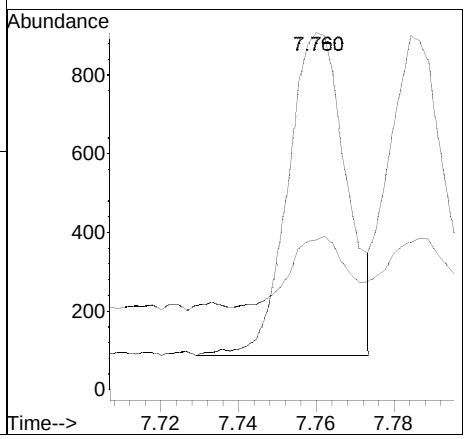


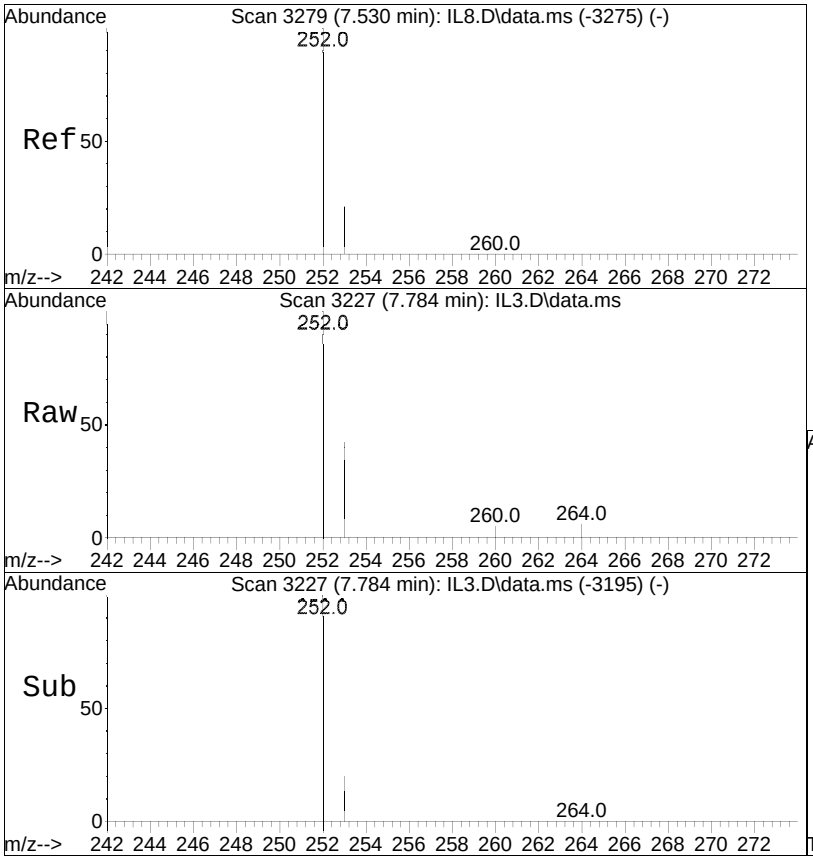


#38
Benzo[b]fluoranthene
Concen: 4.98 ng/ml
RT: 7.760 min Scan# 3216
Delta R.T. -0.005 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:252 Resp: 852

Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.3	25.9

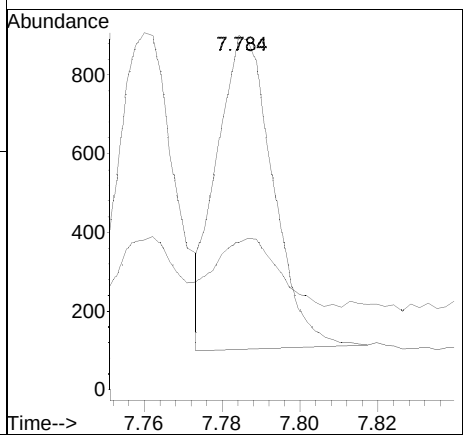


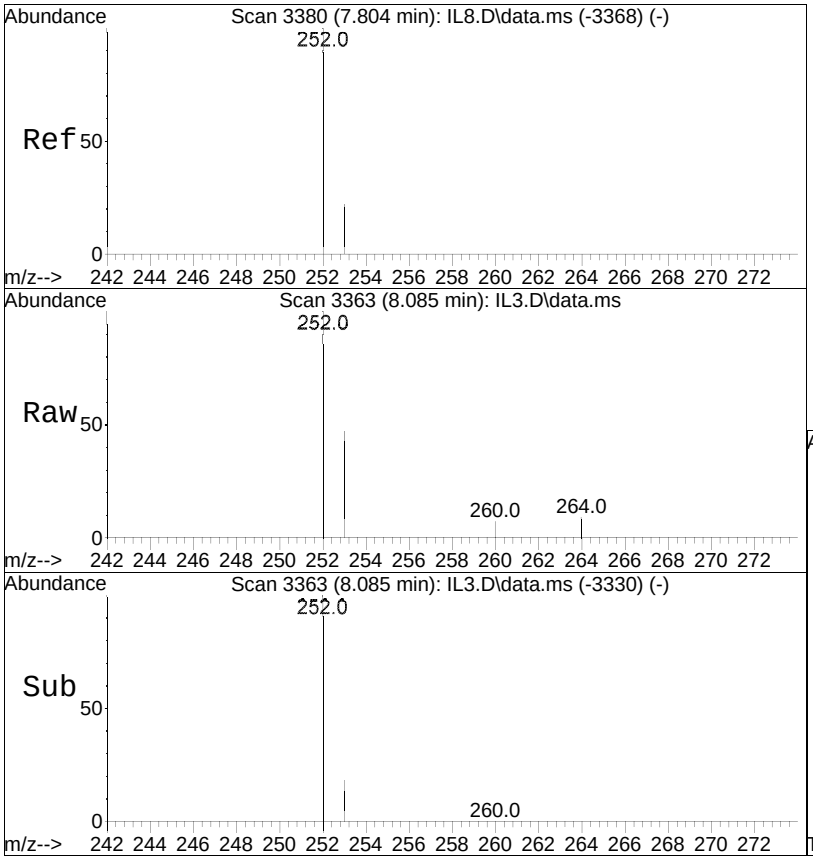


#39
Benzo[k]fluoranthene
Concen: 4.66 ng/ml
RT: 7.784 min Scan# 3227
Delta R.T. -0.009 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:252 Resp: 795

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.5	26.3

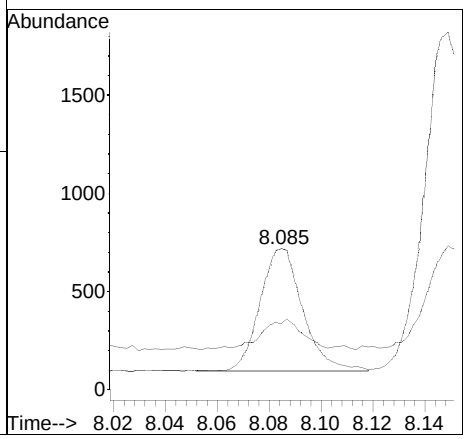


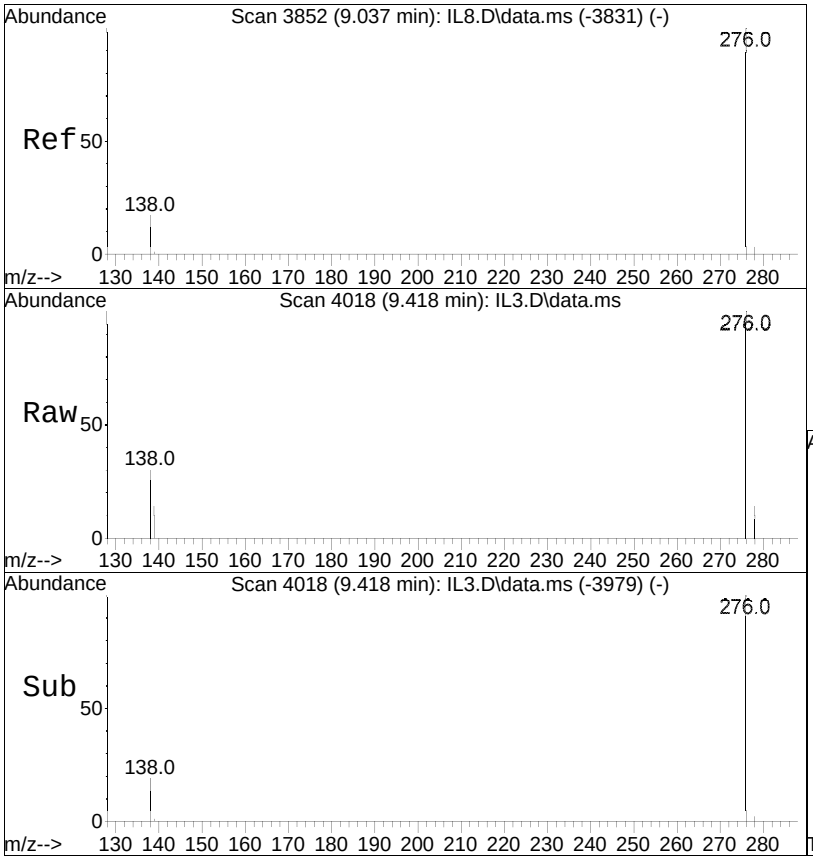


#40
Benzo[a]pyrene
Concen: 4.77 ng/ml
RT: 8.085 min Scan# 3363
Delta R.T. -0.007 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:252 Resp: 721

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0

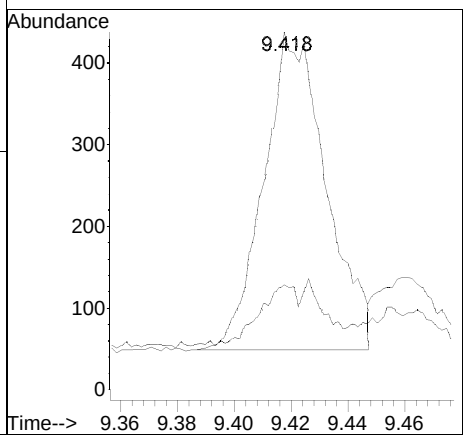


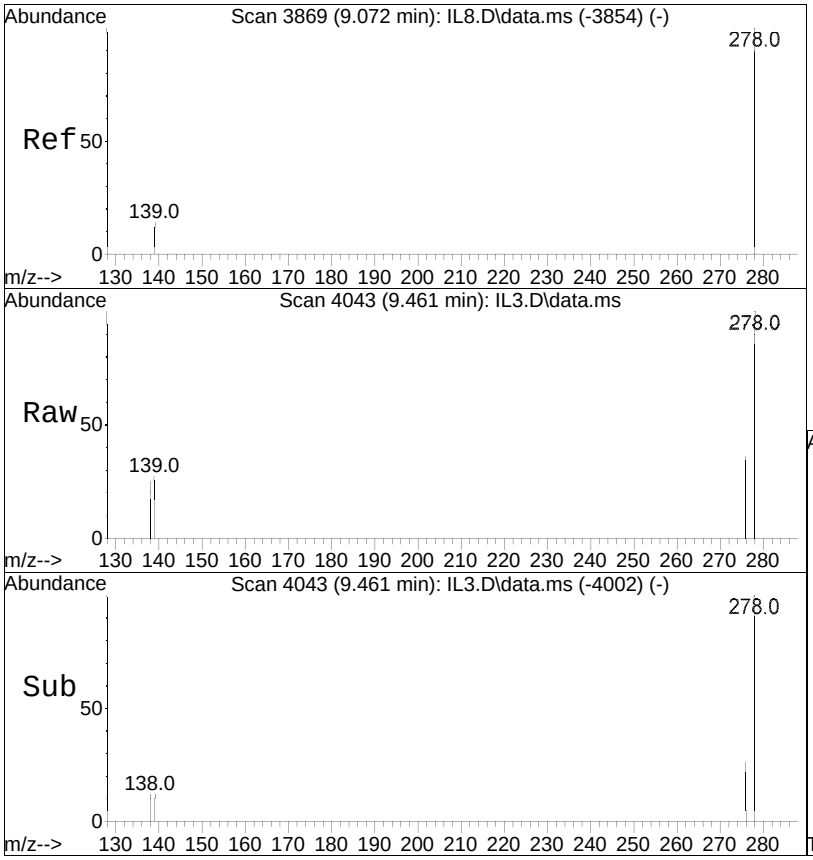


#41
Indeno[1,2,3-cd]pyrene
Concen: 4.69 ng/ml M7
RT: 9.418 min Scan# 4018
Delta R.T. -0.012 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:276 Resp: 587

Ion	Ratio	Lower	Upper
276	100		
138	21.6	16.4	24.6

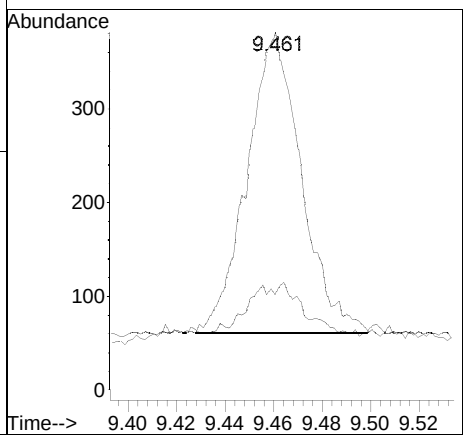


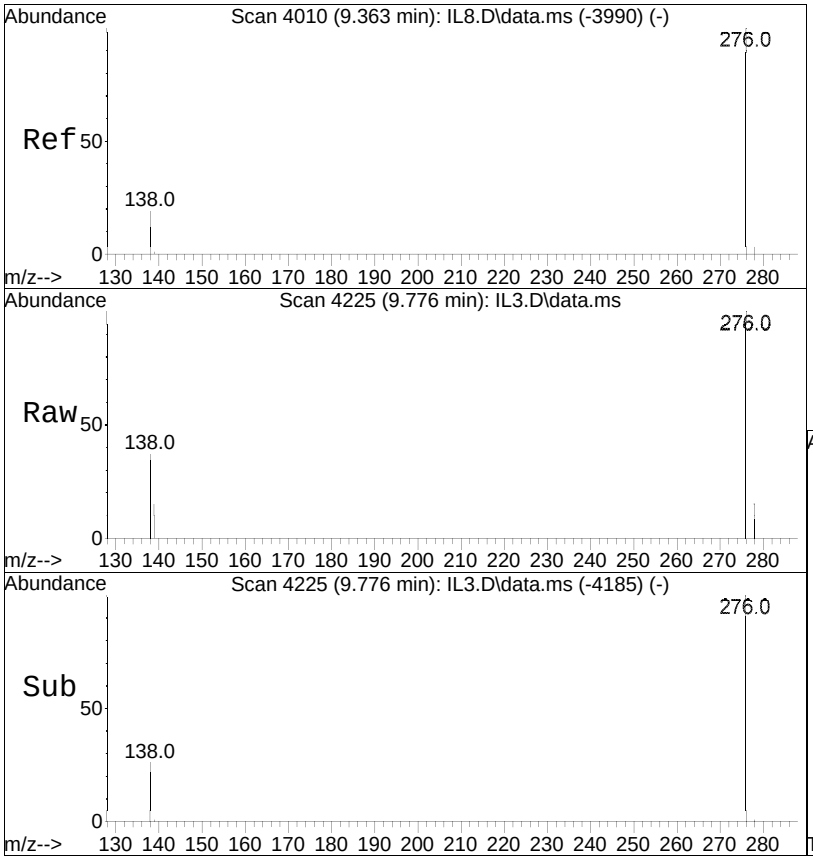


#42
Dibenzo[a,h]anthracene
Concen: 4.26 ng/ml M7
RT: 9.461 min Scan# 4043
Delta R.T. -0.009 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:278 Resp: 494

Ion	Ratio	Lower	Upper
278	100		
139	17.6	13.5	20.3

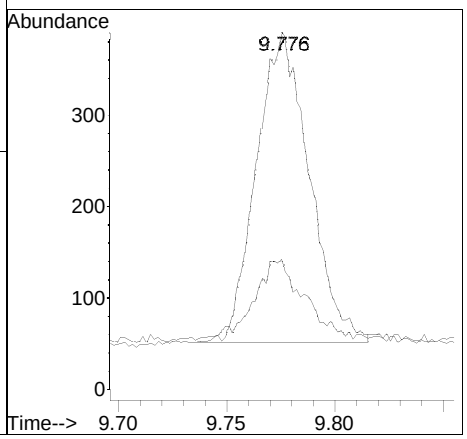




#43
Benzo[g,h,i]perylene
Concen: 4.66 ng/ml
RT: 9.776 min Scan# 4225
Delta R.T. -0.010 min
Lab File: IL3.D
Acq: 14 Nov 2025 02:23 pm

Tgt Ion:276 Resp: 574

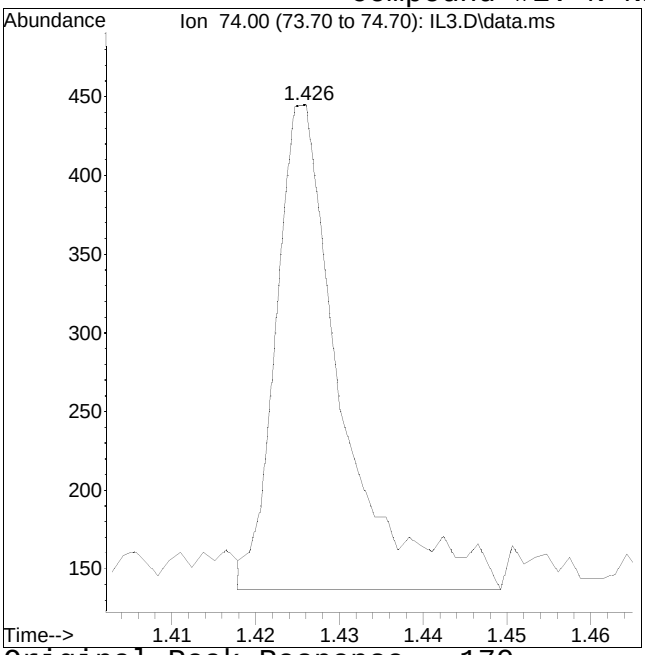
Ion	Ratio	Lower	Upper
276	100		
138	24.7	18.4	27.6

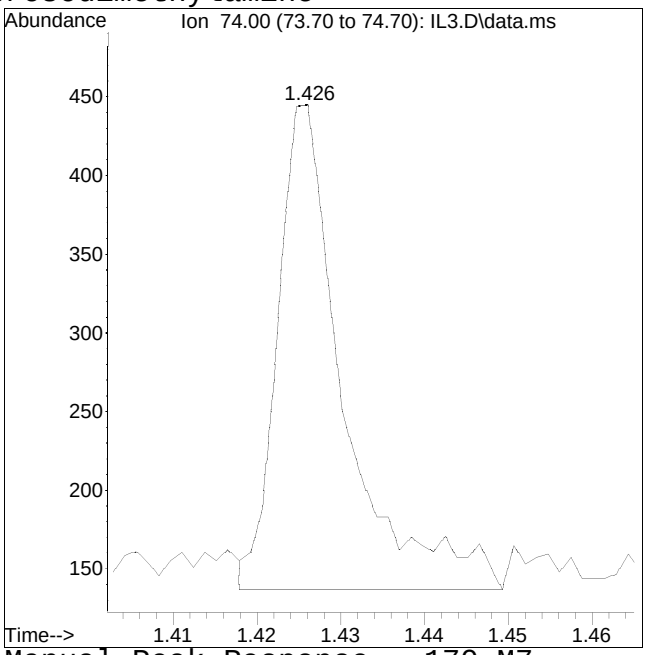


Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL3.D
Date Inj'd : 11/14/2025 2:23 pm
Sample : IL3,32,,5.0 ng/mL #12041
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #2: N-Nitrosodimethylamine



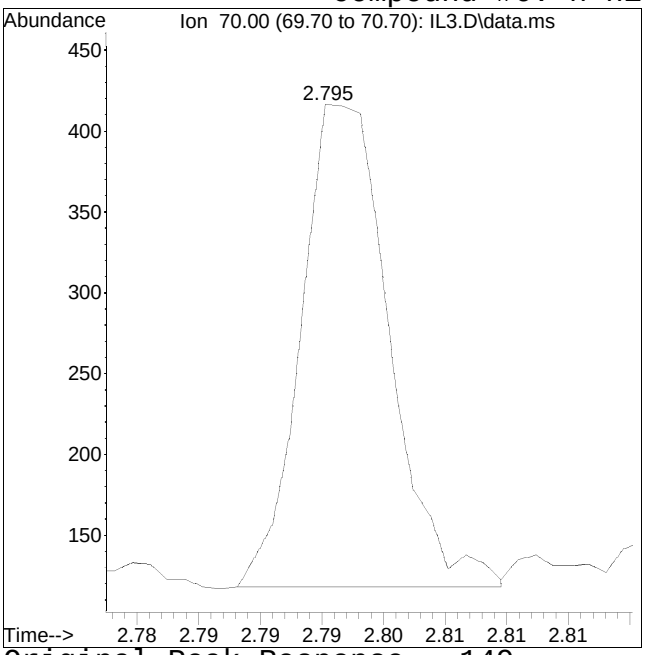


Original Peak Response = 170
Manual Peak Response = 170 M7
M7 = A qualifier ion was manually integrated (only for GC/MS data).

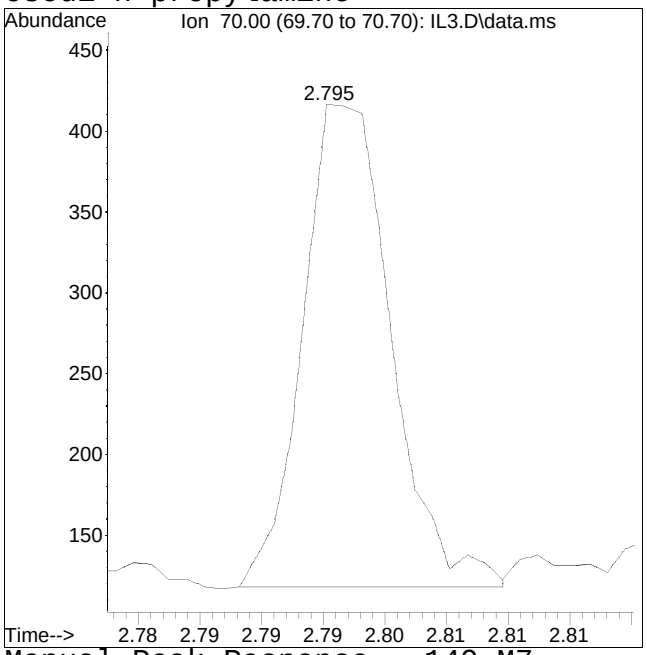
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL3.D
Date Inj'd : 11/14/2025 2:23 pm
Sample : IL3,32,,5.0 ng/mL #12041
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #6: n-nitrosodi-n-propylamine



Original Peak Response = 149



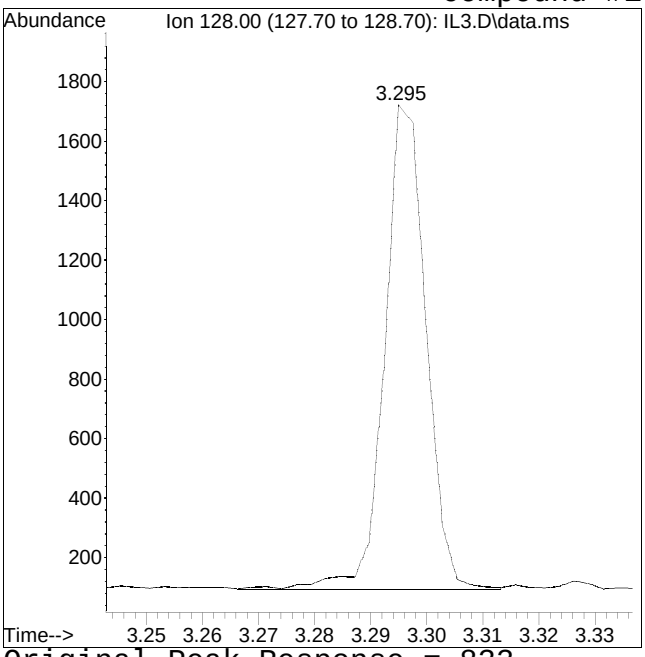
Manual Peak Response = 149 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

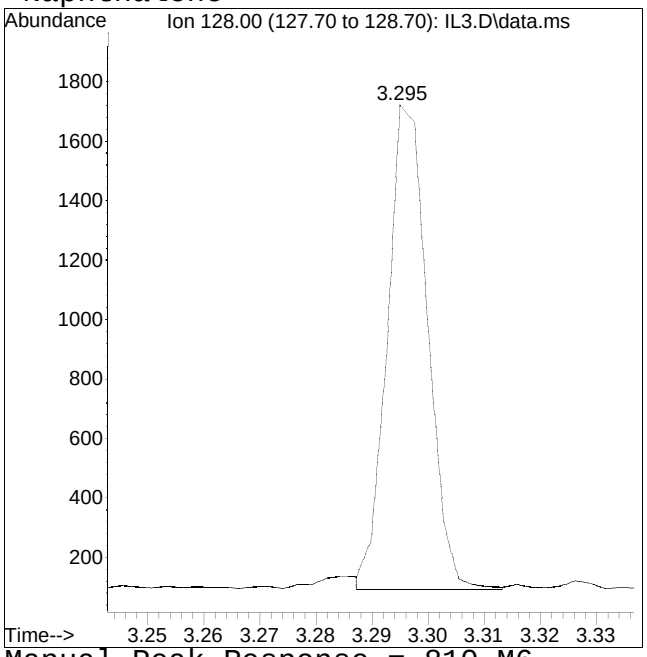
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL3.D
Date Inj'd : 11/14/2025 2:23 pm
Sample : IL3,32,,5.0 ng/mL #12041
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #10: Naphthalene



Original Peak Response = 833



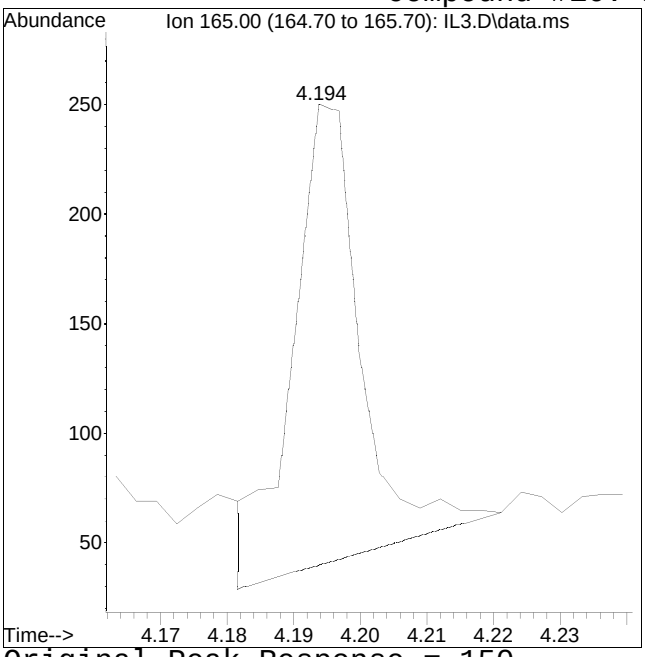
Manual Peak Response = 810 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

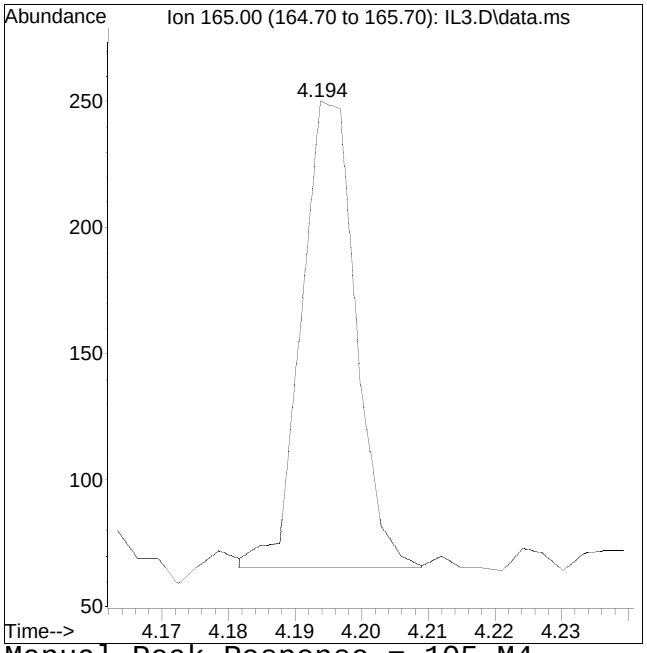
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL3.D
Date Inj'd : 11/14/2025 2:23 pm
Sample : IL3,32,,5.0 ng/mL #12041
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #16: 2,6-Dinitrotoluene



Original Peak Response = 150



Manual Peak Response = 105 M4

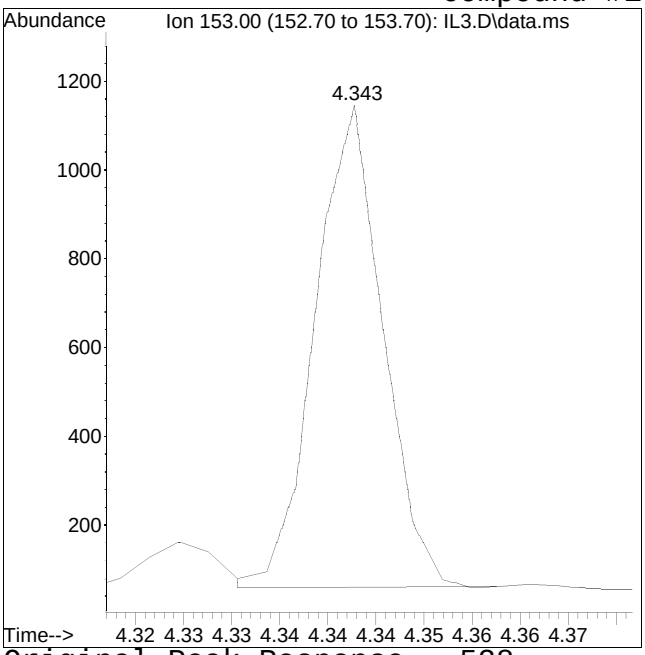
M4 = Poor automated baseline construction.

Manual Integration Report

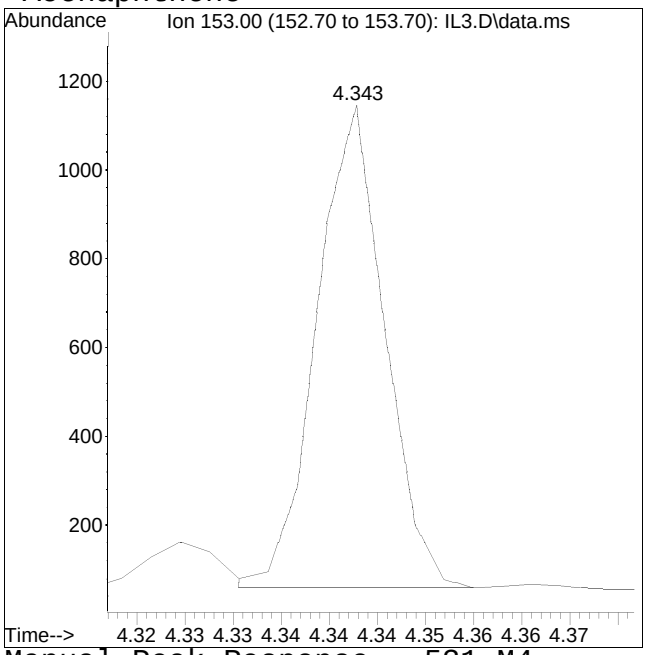
Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL3.D
Date Inj'd : 11/14/2025 2:23 pm
Sample : IL3,32,,5.0 ng/mL #12041

Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #19: Acenaphthene



Original Peak Response = 528



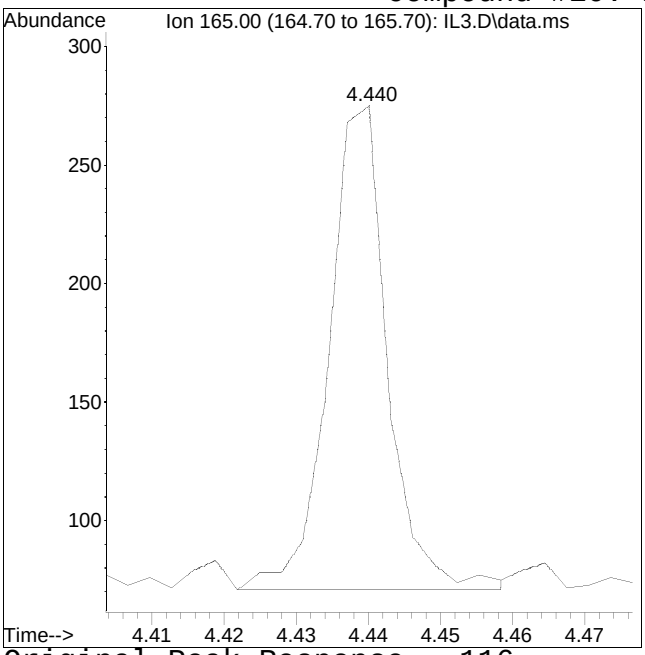
Manual Peak Response = 531 M4

M4 = Poor automated baseline construction.

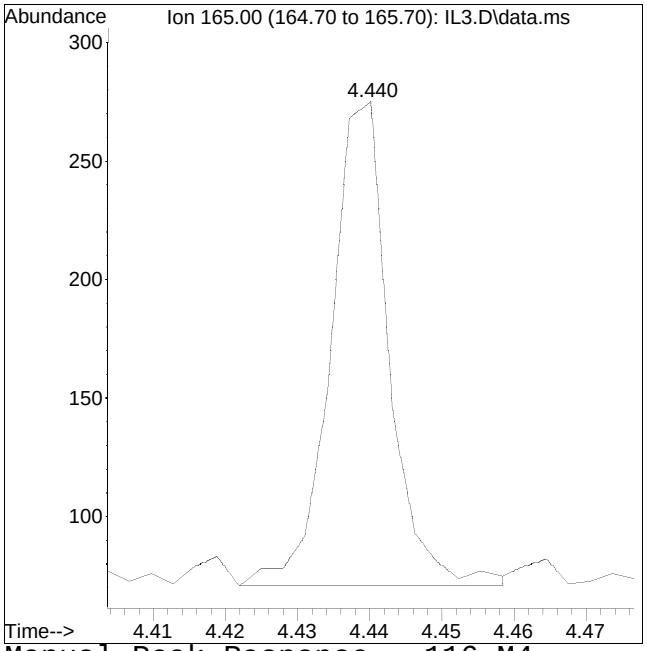
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL3.D
Date Inj'd : 11/14/2025 2:23 pm
Sample : IL3,32,,5.0 ng/mL #12041
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #20: 2,4-Dinitrotoluene



Original Peak Response = 116



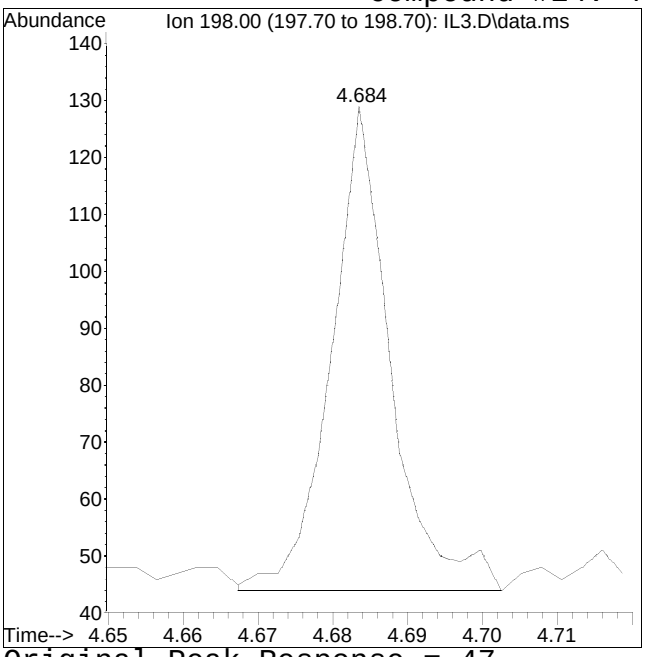
Manual Peak Response = 116 M4

M4 = Poor automated baseline construction.

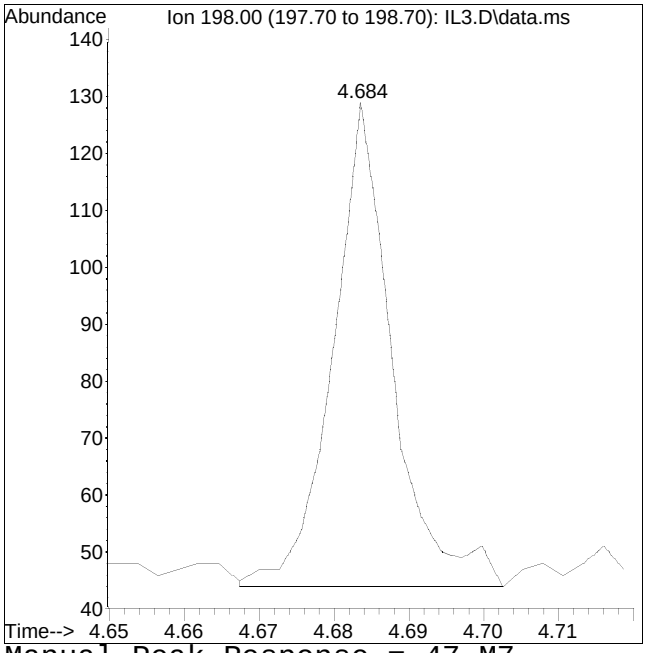
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL3.D
Date Inj'd : 11/14/2025 2:23 pm
Sample : IL3,32,,5.0 ng/mL #12041
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #24: 4,6-Dinitro-o-cresol



Original Peak Response = 47



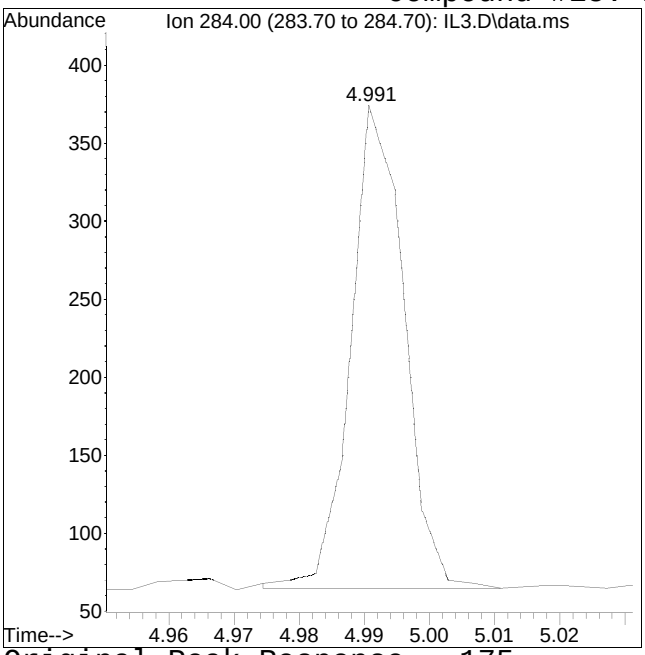
Manual Peak Response = 47 M7

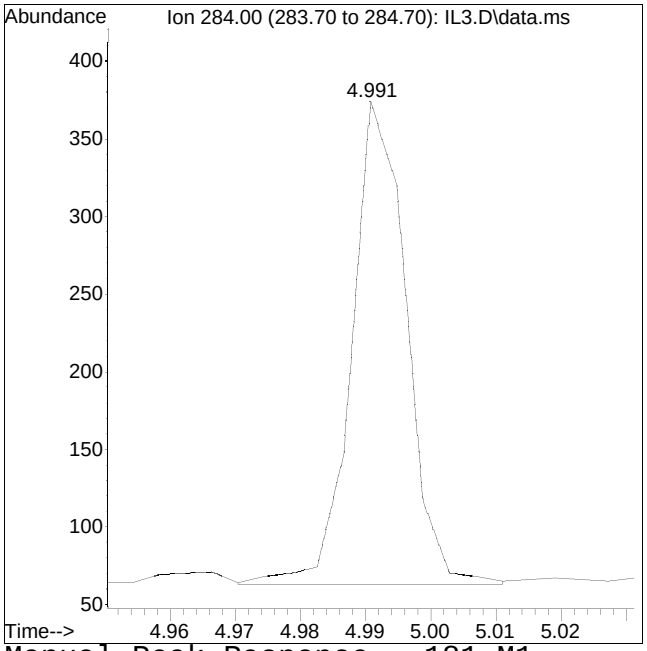
M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQMethod : SIM-RVT_251114_sv119.M
Data File : IL3.D Operator : sv119:rp
Date Inj'd : 11/14/2025 2:23 pm Instrument : SV119
Sample : IL3,32,,5.0 ng/mL #12041 Quant Date : 11/18/2025 2:31 pm

Compound #25: Hexachlorobenzene



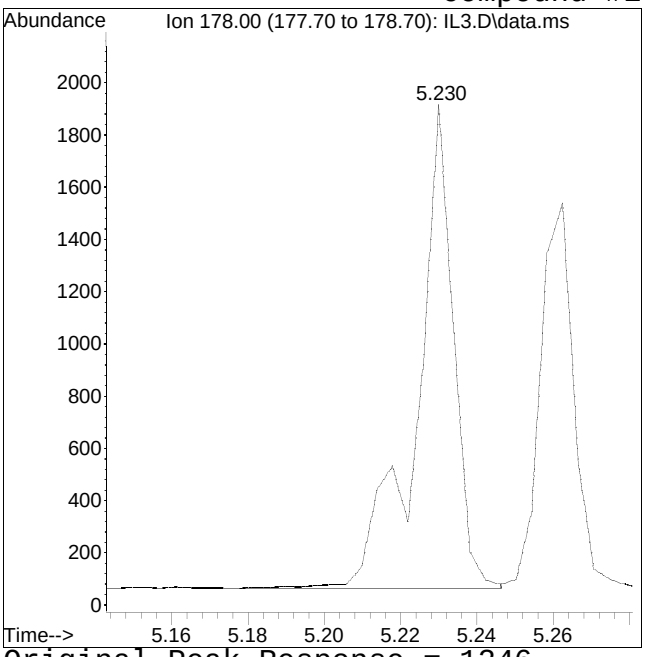


Original Peak Response = 175 Manual Peak Response = 181 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

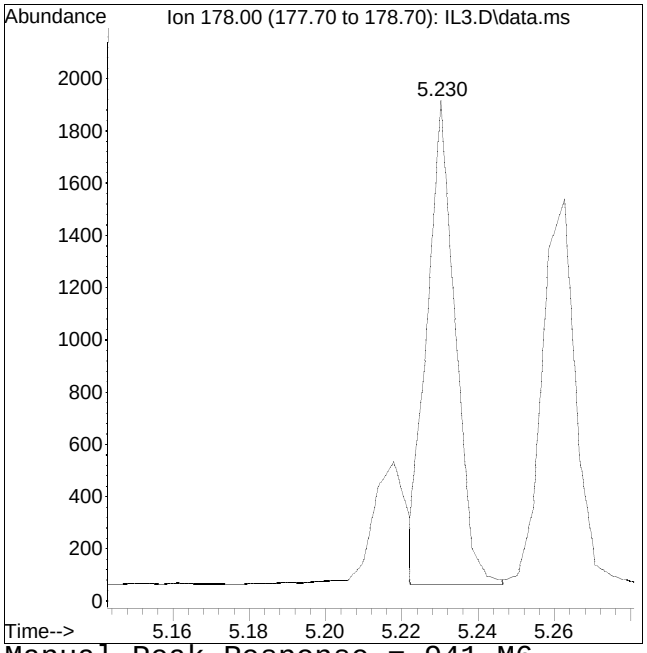
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQMethod : SIM-RVT_251114_sv119.M
Data File : IL3.D Operator : sv119:rp
Date Inj'd : 11/14/2025 2:23 pm Instrument : SV119
Sample : IL3,32,,5.0 ng/mL #12041 Quant Date : 11/18/2025 2:31 pm

Compound #27: Phenanthrene



Original Peak Response = 1246



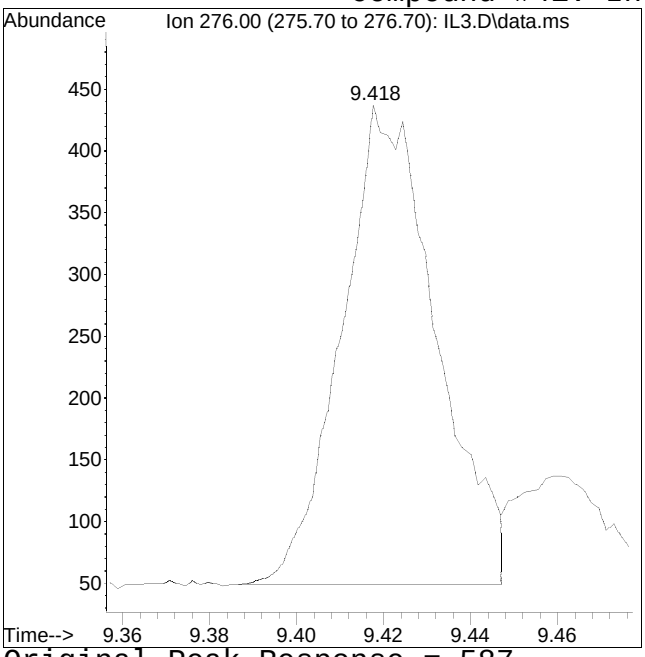
Manual Peak Response = 941 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

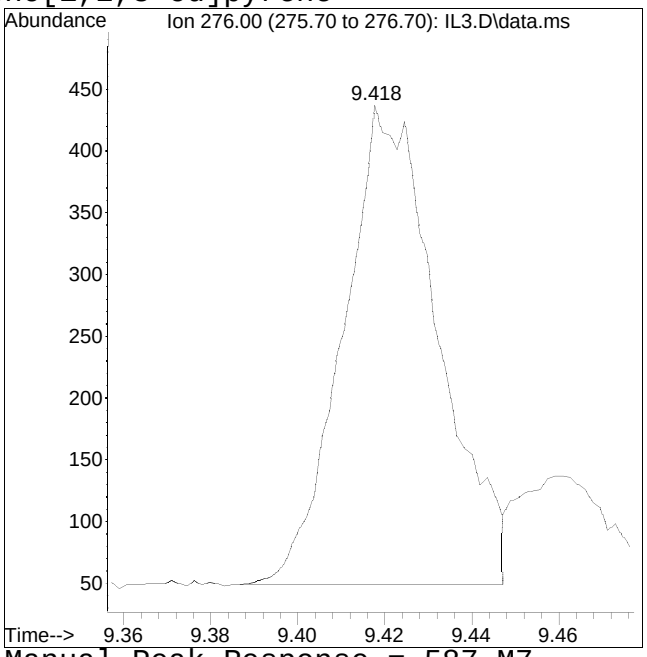
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL3.D
Date Inj'd : 11/14/2025 2:23 pm
Sample : IL3,32,,5.0 ng/mL #12041
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #41: Indeno[1,2,3-cd]pyrene



Original Peak Response = 587



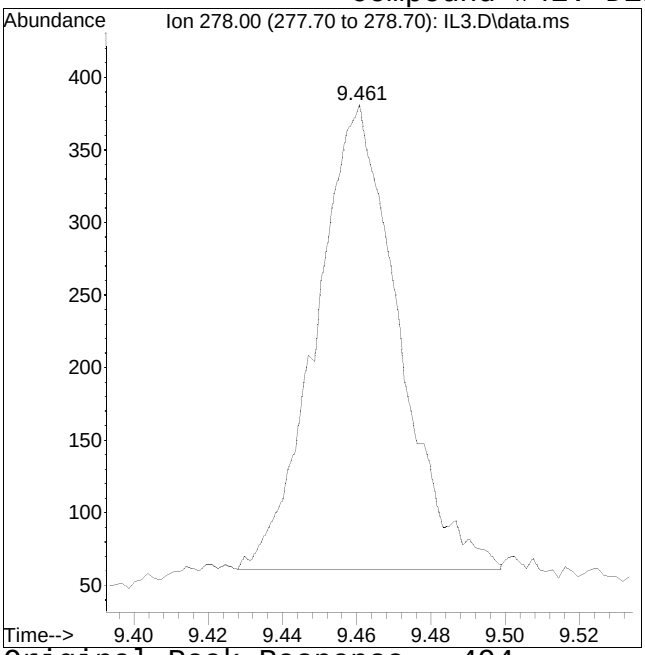
Manual Peak Response = 587 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

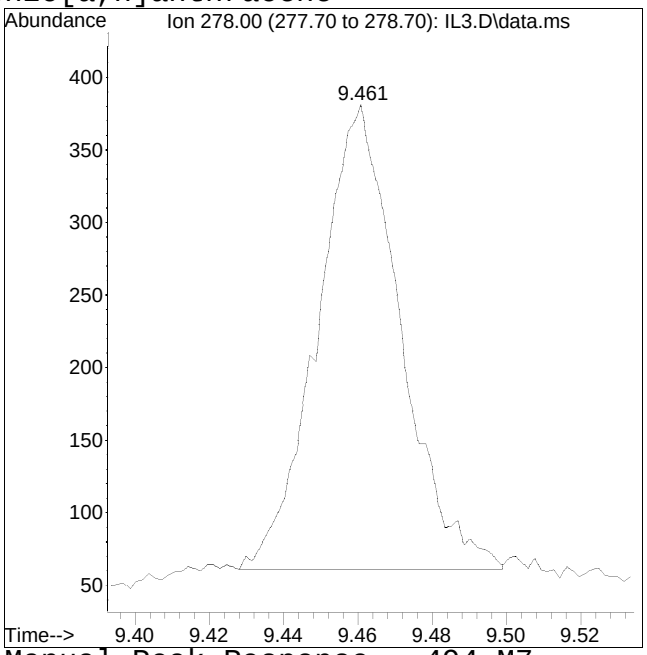
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL3.D
Date Inj'd : 11/14/2025 2:23 pm
Sample : IL3,32,,5.0 ng/mL #12041
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #42: Dibenzo[a,h]anthracene



Original Peak Response = 494



Manual Peak Response = 494 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL2.D
Acq On : 14 Nov 2025 02:42 pm
Operator : sv119:rp
Sample : IL2,32,,2.0 ng/mL #12042
Misc : WG2143411,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 18 16:13:10 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:30:13 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\251114RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.581	152	160177	4000.000	ng/ml	0.00
Standard Area 1 = 175492			Recovery = 91.27%			
9) Naphthalene-d8	3.285	136	612032	4000.000	ng/ml	0.00
Standard Area 1 = 692240			Recovery = 88.41%			
18) Acenaphthene-d10	4.325	164	320444	4000.000	ng/ml	0.00
Standard Area 1 = 369268			Recovery = 86.78%			
23) Phenanthrene-d10	5.218	188	654053	4000.000	ng/ml	0.00
Standard Area 1 = 766794			Recovery = 85.30%			
32) Chrysene-d12	6.881	240	607666	4000.000	ng/ml	0.00
Standard Area 1 = 658278			Recovery = 92.31%			
37) Perylene-d12	8.147	264	523536	4000.000	ng/ml	0.00
Standard Area 1 = 558973			Recovery = 93.66%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.945	112	100	2.171	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.11%#			
4) Phenol-d6	2.377	99	124	2.201	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.11%#			
8) Nitrobenzene-d5	2.881	82	92	1.933	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.19%#			
14) 2-Fluorobiphenyl	3.922	172	250	2.044	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.20%#			
22) 2,4,6-Tribromophenol	4.797	330	32M2	2.318	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.12%#			
31) 4-Terphenyl-d14	6.200	244	315M7	2.228	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.22%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.	d	
5) Bis(2-chloroethyl)ether	2.435	93	123	2.447	ng/ml	96
6) n-nitrosodi-n-propylamine	2.797	70	57M4	1.734	ng/ml	
7) Hexachloroethane	2.857	117	46	2.230	ng/ml	94
10) Naphthalene	3.298	128	336M6	2.118	ng/ml	
11) Hexachlorobutadiene	3.376	225	55M7	2.108	ng/ml	
12) 2-Methylnaphthalene	3.701	142	204	2.086	ng/ml	99
13) 1-Methylnaphthalene	3.759	142	211	2.139	ng/ml	100
15) 2-Chloronaphthalene	3.988	162	211	2.033	ng/ml#	81

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL2.D
Acq On : 14 Nov 2025 02:42 pm
Operator : sv119:rp
Sample : IL2,32,,2.0 ng/mL #12042
Misc : WG2143411,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 18 16:13:10 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:30:13 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\251114RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
16) 2,6-Dinitrotoluene	4.194	165	54M4	2.428	ng/ml	
17) Acenaphthylene	4.236	152	363	2.204	ng/ml	100
19) Acenaphthene	4.343	153	226	2.114	ng/ml	91
20) 2,4-Dinitrotoluene	4.437	165	55M6	1.985	ng/ml	
21) Fluorene	4.651	166	269	2.190	ng/ml	97
24) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
25) Hexachlorobenzene	4.991	284	76M6	2.134	ng/ml	
26) Pentachlorophenol	5.108	266	261	5.475	ng/ml	98
27) Phenanthrene	5.230	178	398M6	2.181	ng/ml	
28) Anthracene	5.263	178	365	2.038	ng/ml	96
29) Fluoranthene	5.957	202	435	2.140	ng/ml#	90
30) Pyrene	6.098	202	484	2.288	ng/ml	99
33) Benzo[a]anthracene	6.878	226	230	3.910	ng/ml#	1
34) 3,3'-Dichlorobenzidine	6.856	252	143M7	2.224	ng/ml	
35) Chrysene	6.899	228	407M4	2.098	ng/ml	
36) Bis(2-ethylhexyl)phtha...	6.908	149	272	2.320	ng/ml	100
38) Benzo[b]fluoranthene	7.758	252	361	2.150	ng/ml	99
39) Benzo[k]fluoranthene	7.784	252	351	2.096	ng/ml	99
40) Benzo[a]pyrene	8.083	252	316	2.131	ng/ml	98
41) Indeno[1,2,3-cd]pyrene	9.416	276	253M1	2.059	ng/ml	
42) Dibenzo[a,h]anthracene	9.456	278	216M7	1.901	ng/ml	
43) Benzo[g,h,i]perylene	9.774	276	246	2.036	ng/ml	95

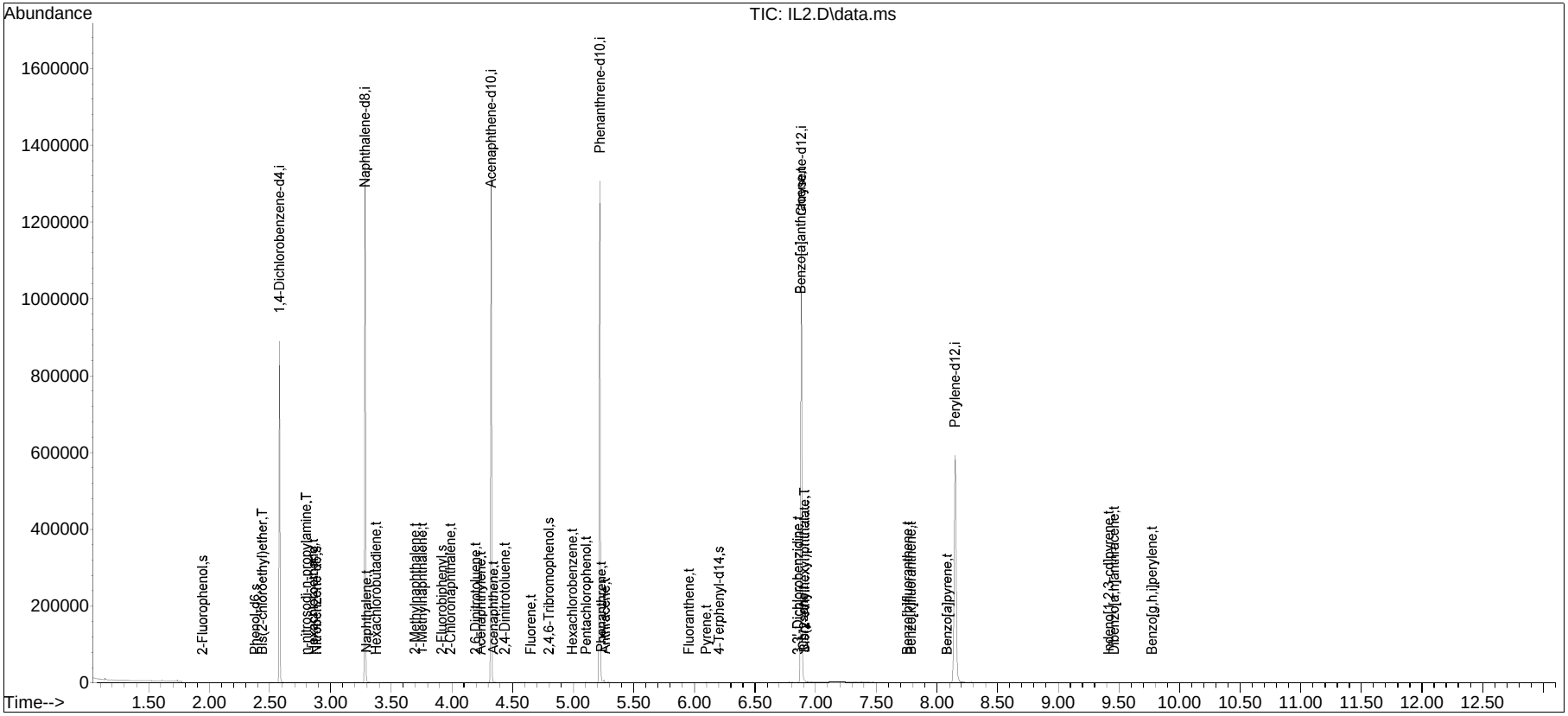
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL2.D
Acq On : 14 Nov 2025 02:42 pm
Operator : sv119:rp
Sample : IL2,32,,2.0 ng/mL #12042
Misc : WG2143411,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 18 16:13:10 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:30:13 2025
Response via : Initial Calibration

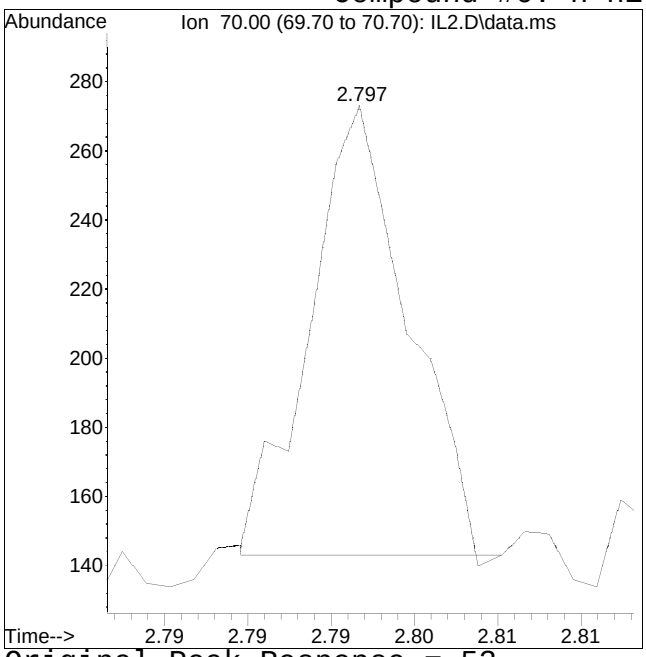
Sub List : Default - All compounds listedical\IL8.D•



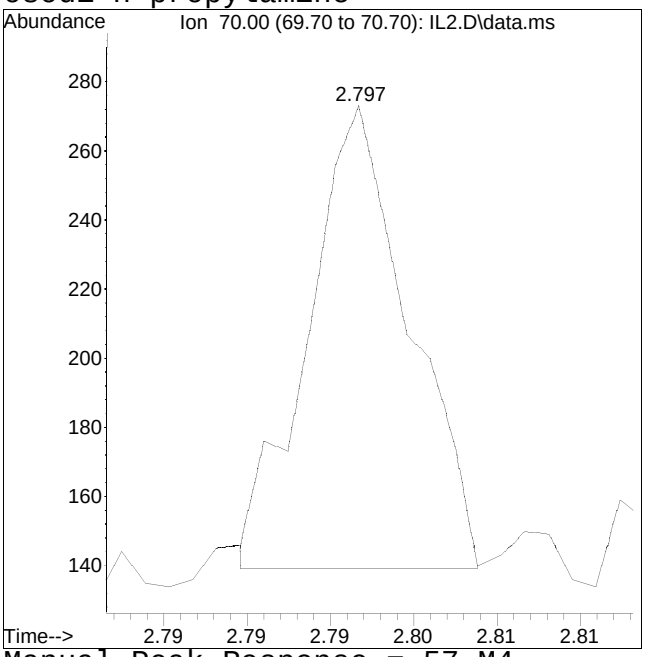
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQMethod : SIM-RVT_251114_sv119.M
Data File : IL2.D Operator : sv119:rp
Date Inj'd : 11/14/2025 2:42 pm Instrument : SV119
Sample : IL2,32,,2.0 ng/mL #12042 Quant Date : 11/18/2025 2:31 pm

Compound #6: n-nitrosodi-n-propylamine



Original Peak Response = 53



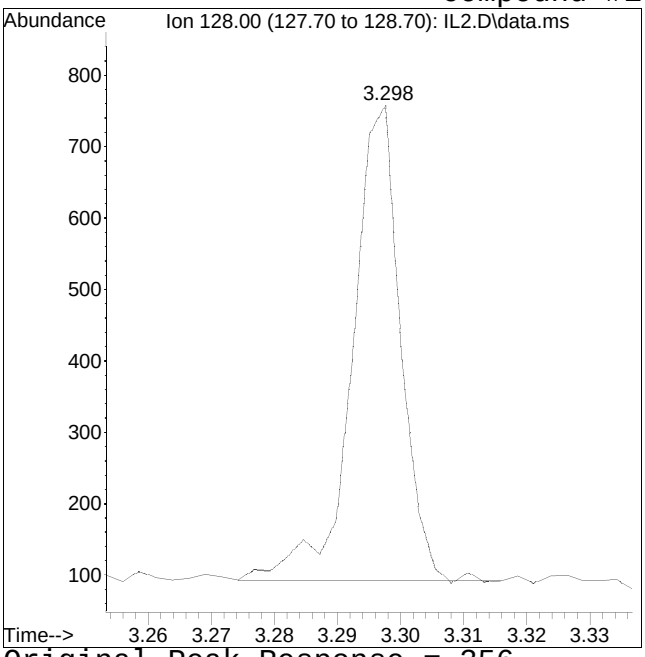
Manual Peak Response = 57 M4

M4 = Poor automated baseline construction.

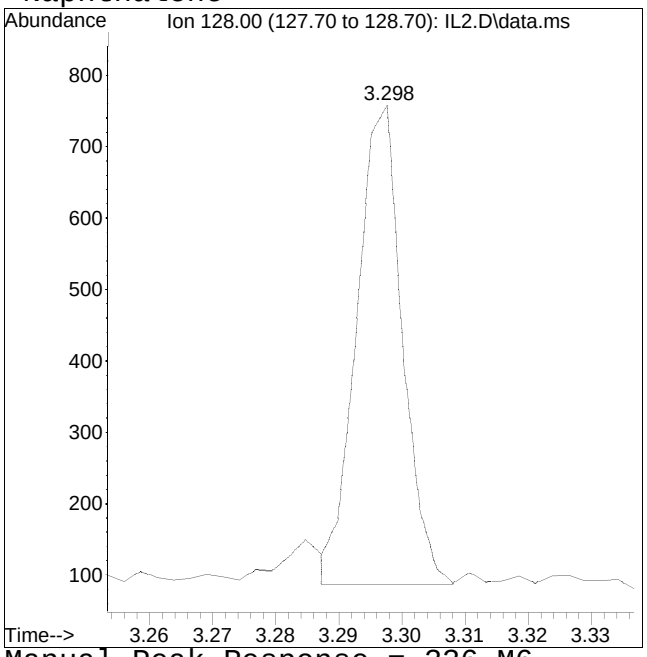
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL2.D
Date Inj'd : 11/14/2025 2:42 pm
Sample : IL2,32,,2.0 ng/mL #12042
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #10: Naphthalene



Original Peak Response = 356



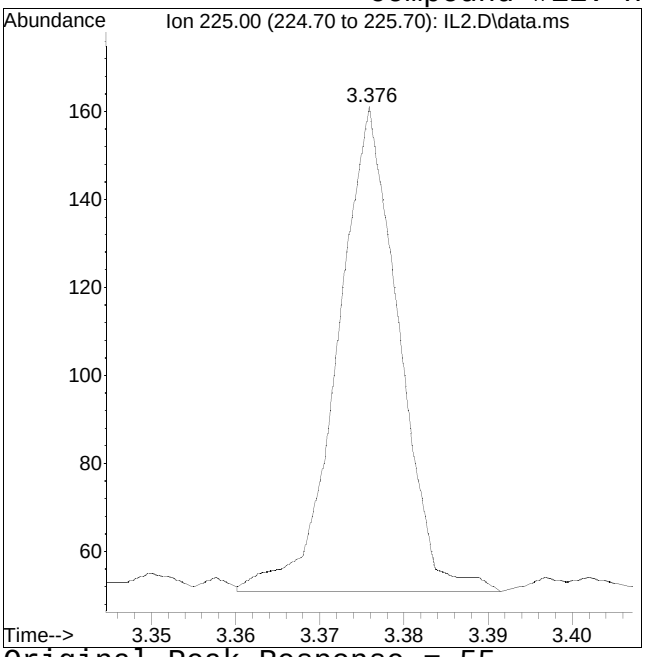
Manual Peak Response = 336 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

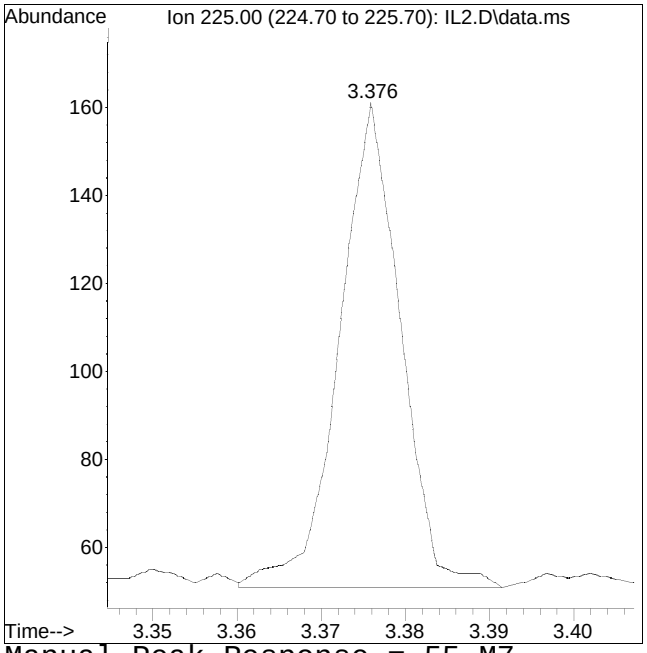
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL2.D
Date Inj'd : 11/14/2025 2:42 pm
Sample : IL2,32,,2.0 ng/mL #12042
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #11: Hexachlorobutadiene



Original Peak Response = 55



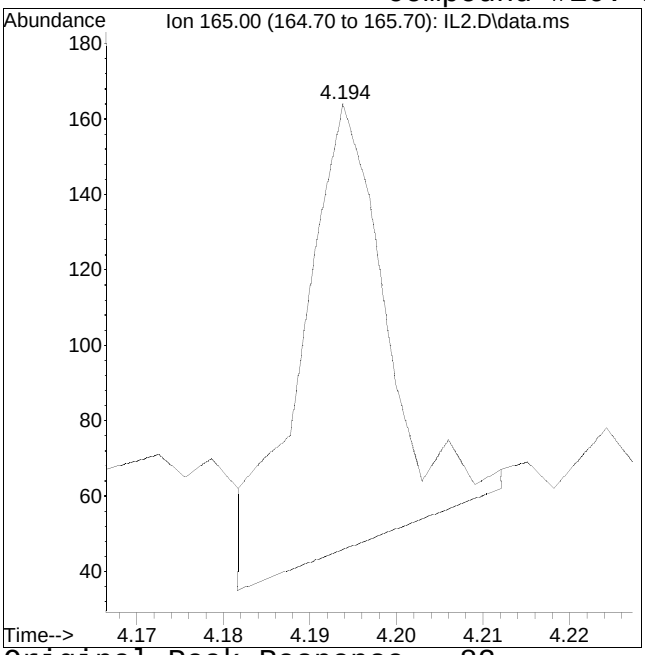
Manual Peak Response = 55 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

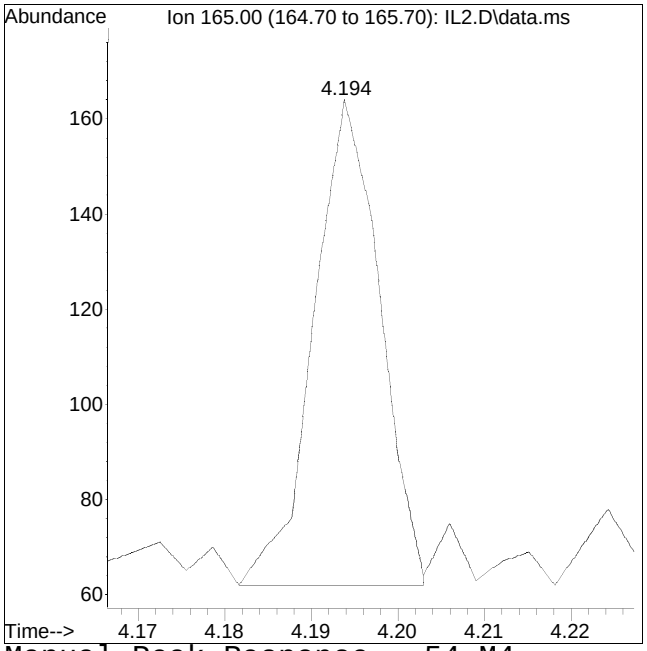
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL2.D
Date Inj'd : 11/14/2025 2:42 pm
Sample : IL2,32,,2.0 ng/mL #12042
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #16: 2,6-Dinitrotoluene



Original Peak Response = 82



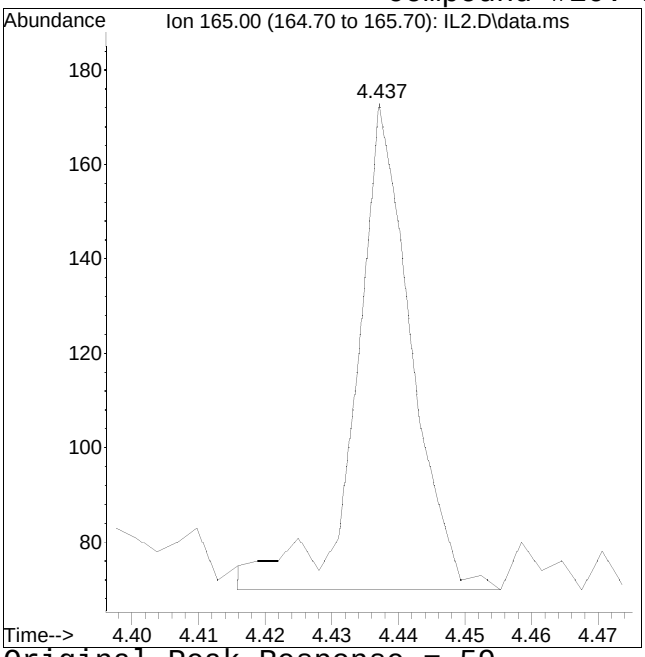
Manual Peak Response = 54 M4

M4 = Poor automated baseline construction.

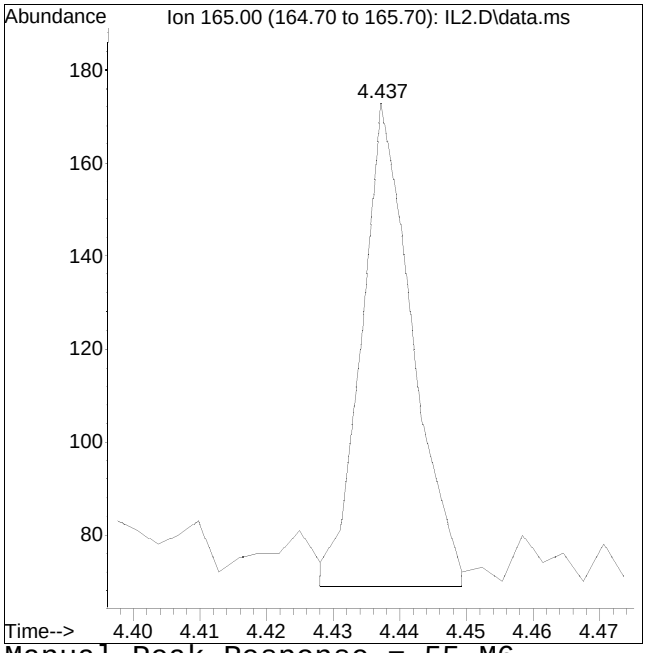
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL2.D
Date Inj'd : 11/14/2025 2:42 pm
Sample : IL2,32,,2.0 ng/mL #12042
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #20: 2,4-Dinitrotoluene



Original Peak Response = 59



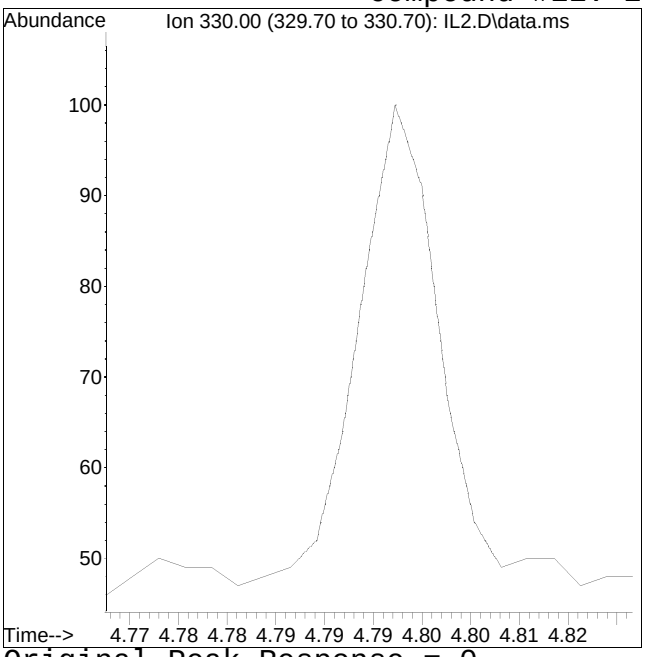
Manual Peak Response = 55 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

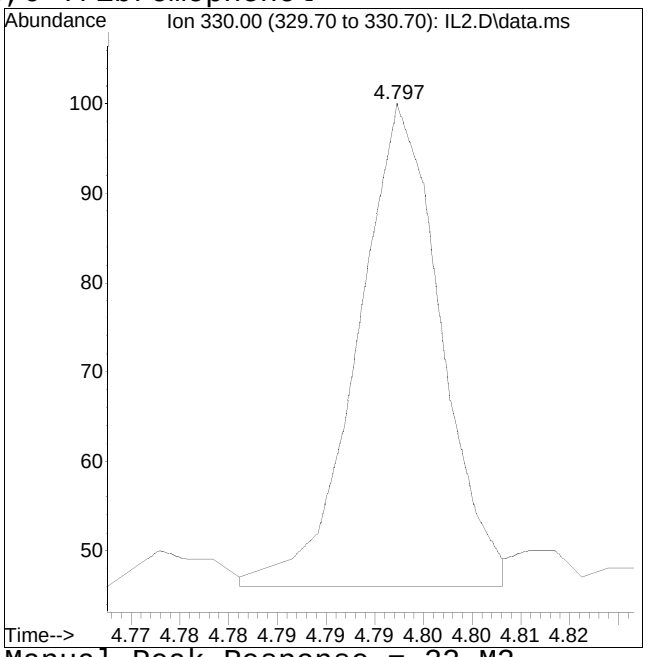
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL2.D
Date Inj'd : 11/14/2025 2:42 pm
Sample : IL2,32,,2.0 ng/mL #12042
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #22: 2,4,6-Tribromophenol



Original Peak Response = 0



Manual Peak Response = 32 M2

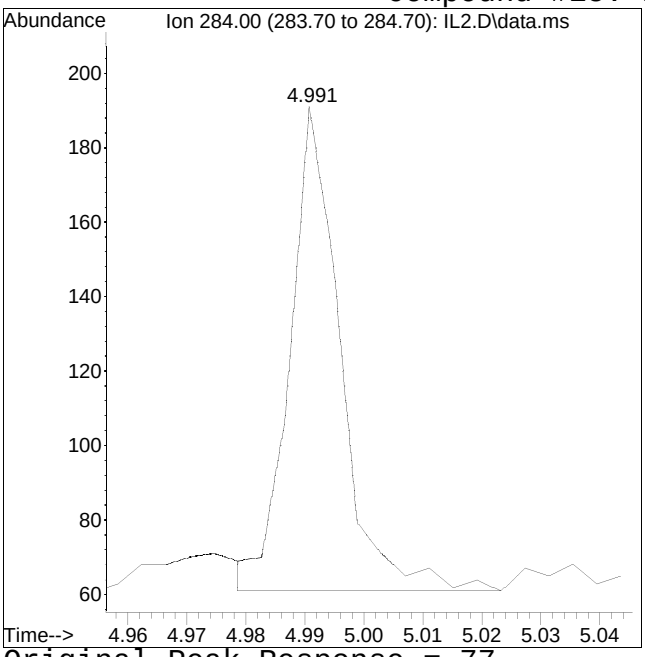
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

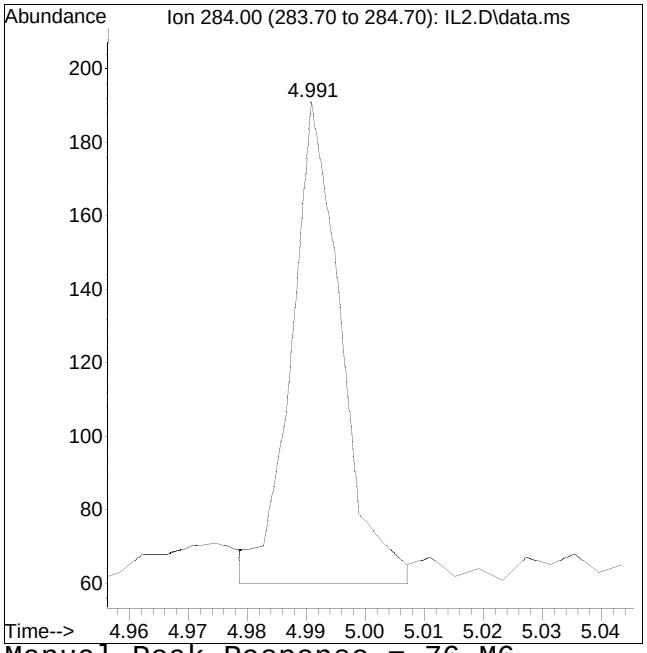
Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL2.D
Date Inj'd : 11/14/2025 2:42 pm
Sample : IL2,32,,2.0 ng/mL #12042

Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 77



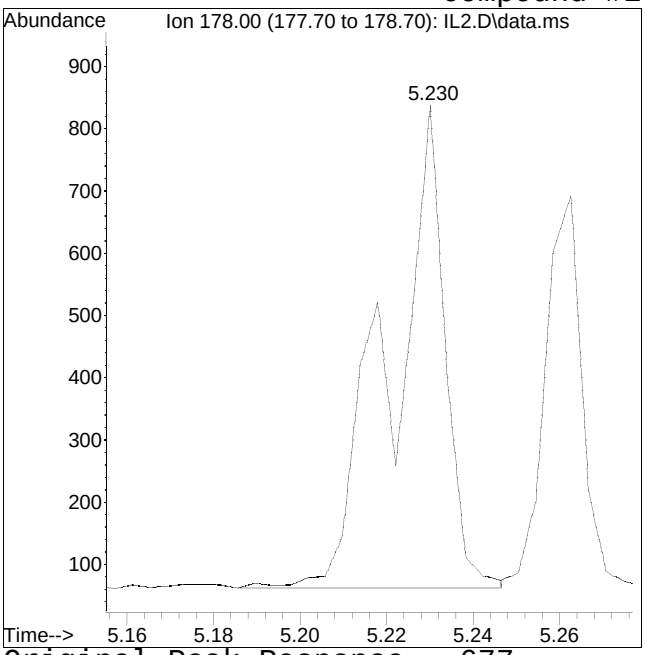
Manual Peak Response = 76 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

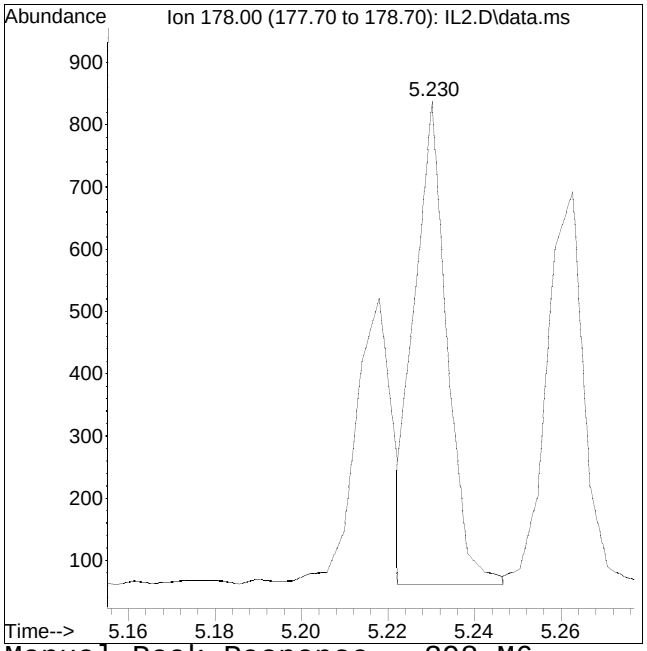
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQMethod : SIM-RVT_251114_sv119.M
Data File : IL2.D Operator : sv119:rp
Date Inj'd : 11/14/2025 2:42 pm Instrument : SV119
Sample : IL2,32,,2.0 ng/mL #12042 Quant Date : 11/18/2025 2:31 pm

Compound #27: Phenanthrene



Original Peak Response = 677



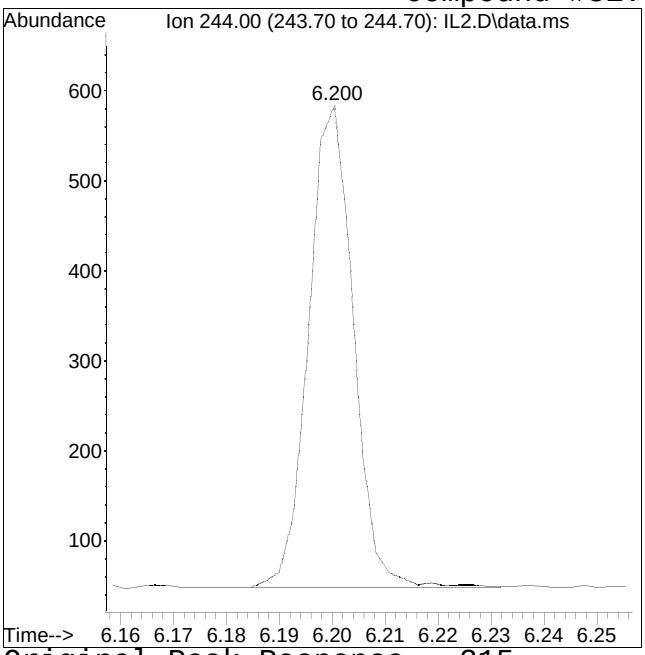
Manual Peak Response = 398 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

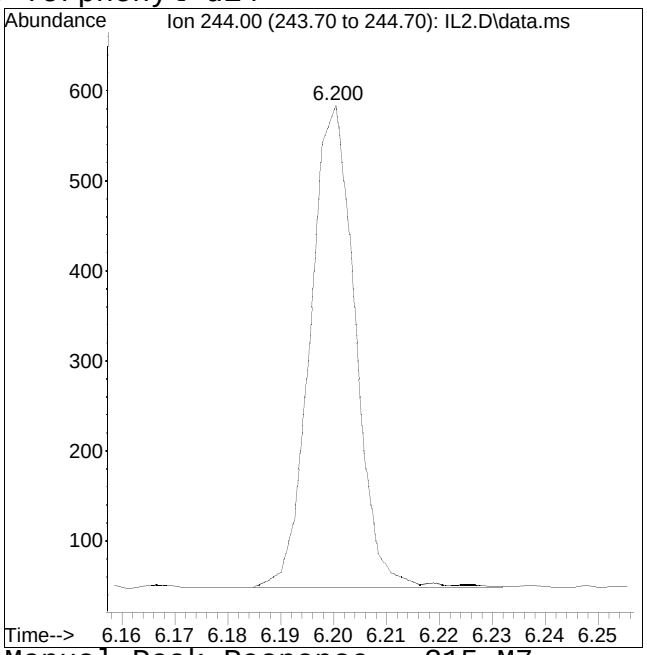
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQMethod : SIM-RVT_251114_sv119.M
Data File : IL2.D Operator : sv119:rp
Date Inj'd : 11/14/2025 2:42 pm Instrument : SV119
Sample : IL2,32,,2.0 ng/mL #12042 Quant Date : 11/18/2025 2:31 pm

Compound #31: 4-Terphenyl-d14



Original Peak Response = 315



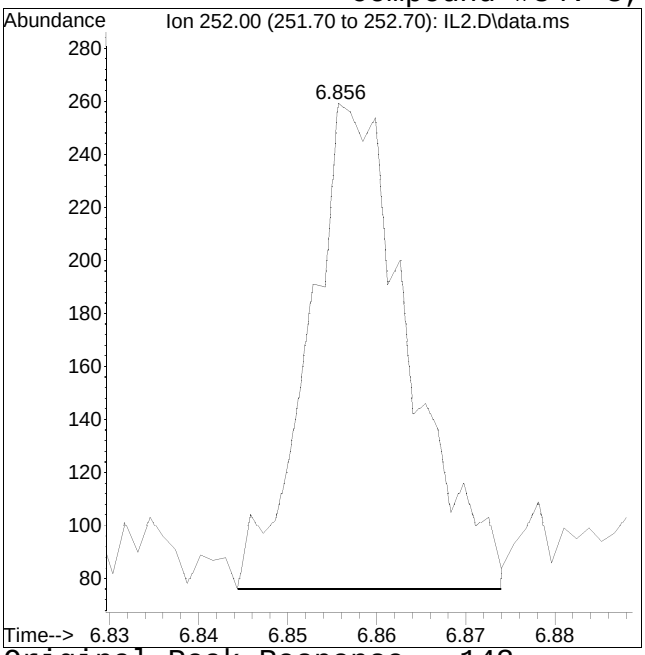
Manual Peak Response = 315 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

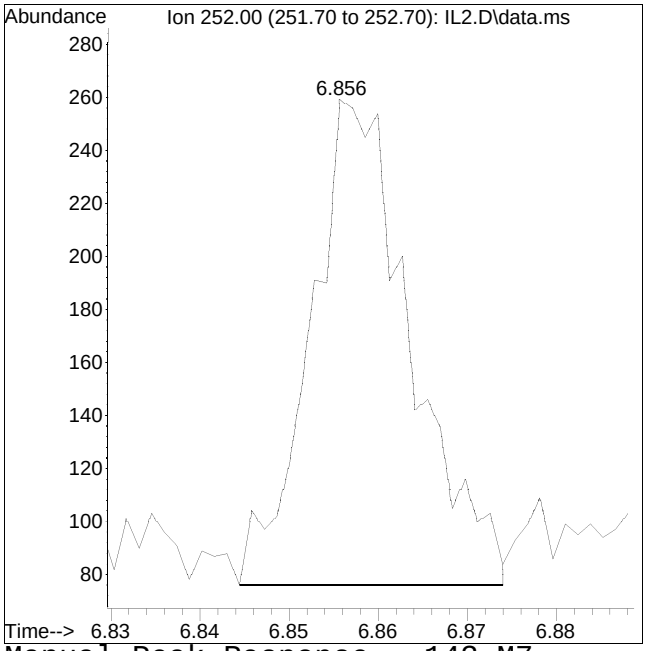
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL2.D
Date Inj'd : 11/14/2025 2:42 pm
Sample : IL2,32,,2.0 ng/mL #12042
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #34: 3,3'-Dichlorobenzidine



Original Peak Response = 143



Manual Peak Response = 143 M7

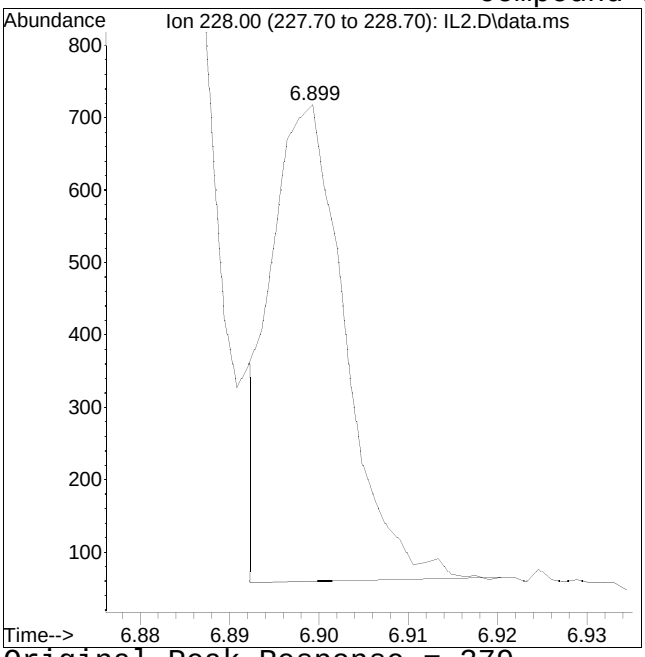
M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

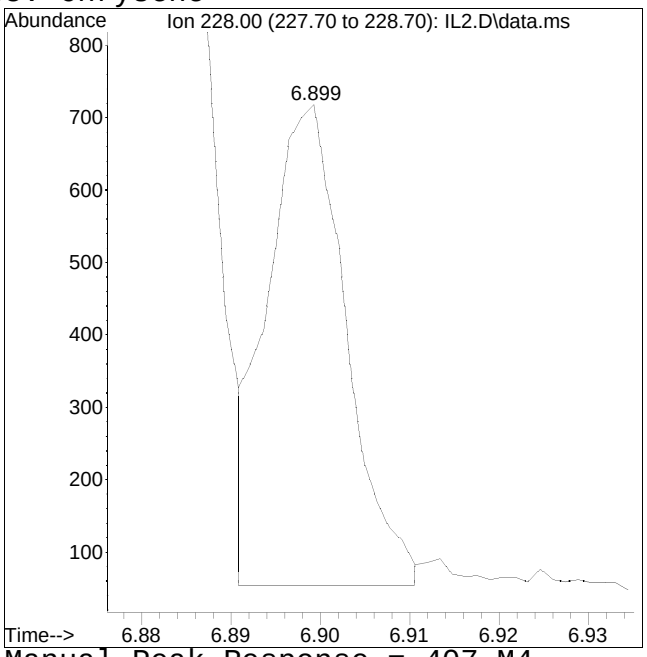
Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL2.D
Date Inj'd : 11/14/2025 2:42 pm
Sample : IL2,32,,2.0 ng/mL #12042

Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #35: Chrysene



Original Peak Response = 379



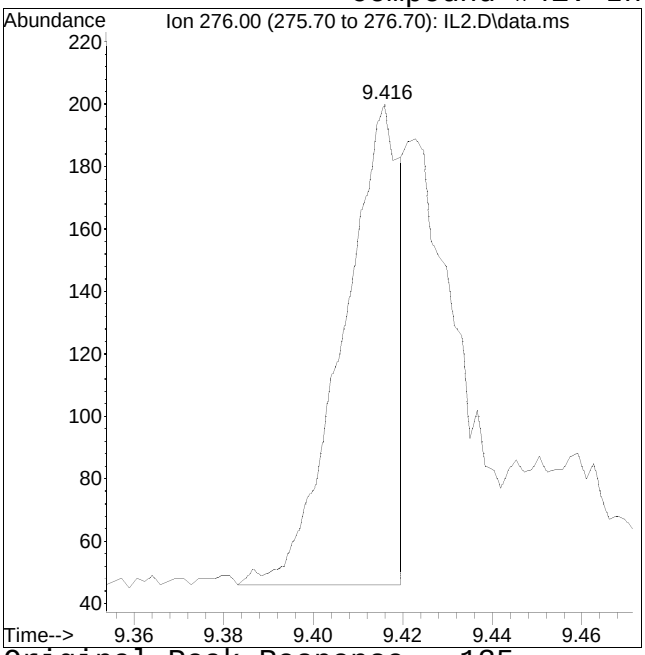
Manual Peak Response = 407 M4

M4 = Poor automated baseline construction.

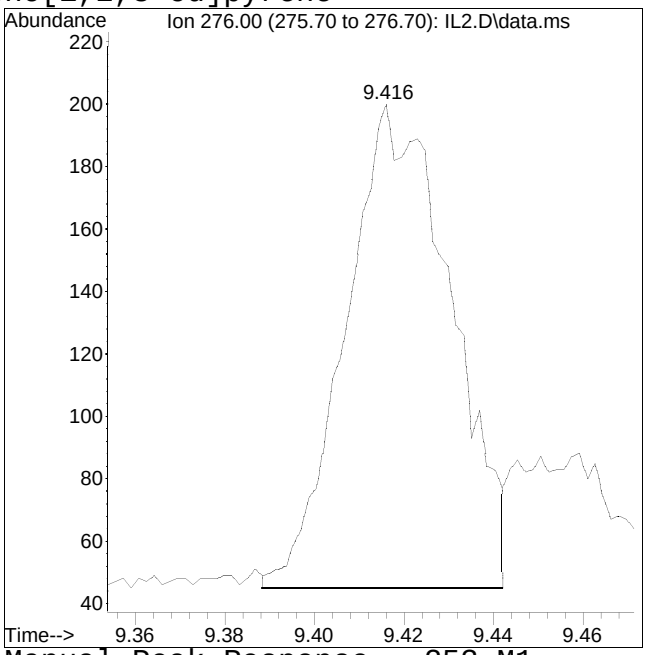
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL2.D
Date Inj'd : 11/14/2025 2:42 pm
Sample : IL2,32,,2.0 ng/mL #12042
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:31 pm

Compound #41: Indeno[1,2,3-cd]pyrene



Original Peak Response = 135



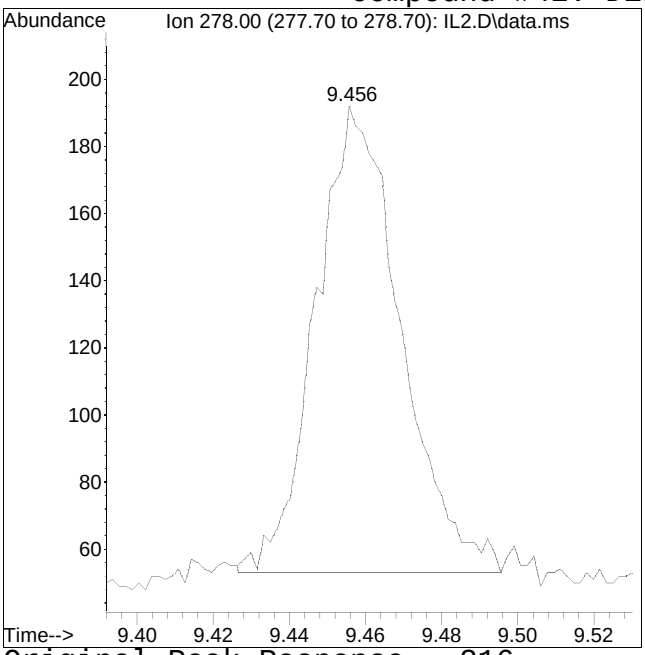
Manual Peak Response = 253 M1

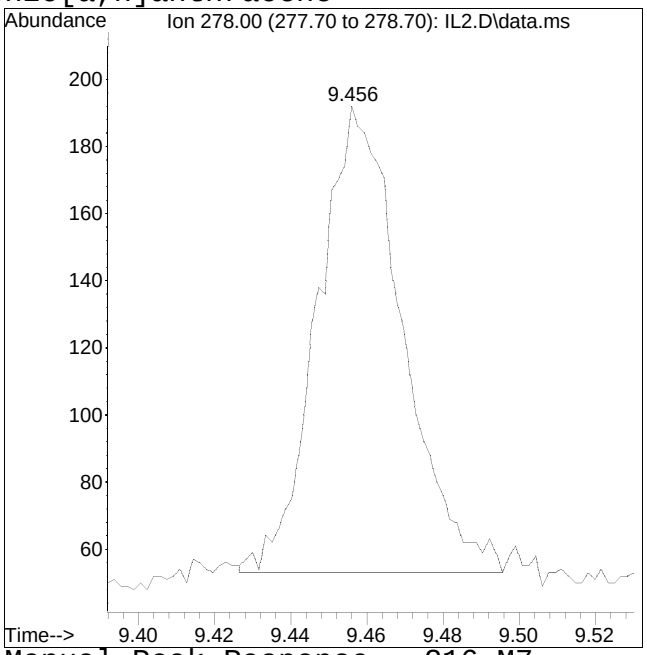
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQMethod : SIM-RVT_251114_sv119.M
Data File : IL2.D Operator : sv119:rp
Date Inj'd : 11/14/2025 2:42 pm Instrument : SV119
Sample : IL2,32,,2.0 ng/mL #12042 Quant Date : 11/18/2025 2:31 pm

Compound #42: Dibenzo[a,h]anthracene





Original Peak Response = 216 Manual Peak Response = 216 M7
M7 = A qualifier ion was manually integrated (only for GC/MS data).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL1.D
Acq On : 14 Nov 2025 03:01 pm
Operator : sv119:rp
Sample : IL1,32,,1.0 ng/mL #12043
Misc : WG2143411,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 18 16:12:16 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:30:13 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\251114RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.581	152	167885	4000.000	ng/ml	0.00
Standard Area 1 = 175492			Recovery = 95.67%			
9) Naphthalene-d8	3.285	136	640854	4000.000	ng/ml	0.00
Standard Area 1 = 692240			Recovery = 92.58%			
18) Acenaphthene-d10	4.325	164	336989	4000.000	ng/ml	0.00
Standard Area 1 = 369268			Recovery = 91.26%			
23) Phenanthrene-d10	5.218	188	679703	4000.000	ng/ml	0.00
Standard Area 1 = 766794			Recovery = 88.64%			
32) Chrysene-d12	6.881	240	634607	4000.000	ng/ml	0.00
Standard Area 1 = 658278			Recovery = 96.40%			
37) Perylene-d12	8.154	264	543182	4000.000	ng/ml	0.00
Standard Area 1 = 558973			Recovery = 97.17%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.945	112	57M7	1.181	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.06%#			
4) Phenol-d6	2.377	99	74M7	1.253	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.06%#			
8) Nitrobenzene-d5	2.878	82	56M7	1.123	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.11%#			
14) 2-Fluorobiphenyl	3.922	172	147	1.148	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.11%#			
22) 2,4,6-Tribromophenol	4.797	330	20M2	1.378	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.07%#			
31) 4-Terphenyl-d14	6.198	244	169M7	1.150	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.11%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
5) Bis(2-chloroethyl)ether	2.435	93	93	1.765	ng/ml#	78
6) n-nitrosodi-n-propylamine	2.795	70	46M1	1.335	ng/ml	
7) Hexachloroethane	2.858	117	36M2	1.665	ng/ml	
10) Naphthalene	3.295	128	182M4	1.096	ng/ml	
11) Hexachlorobutadiene	3.373	225	30M2	1.098	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL1.D
Acq On : 14 Nov 2025 03:01 pm
Operator : sv119:rp
Sample : IL1,32,,1.0 ng/mL #12043
Misc : WG2143411,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 18 16:12:16 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:30:13 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\251114RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
12) 2-Methylnaphthalene	3.700	142	115	1.123 ng/ml	99
13) 1-Methylnaphthalene	3.759	142	111	1.075 ng/ml	96
15) 2-Chloronaphthalene	3.988	162	117	1.076 ng/ml#	78
16) 2,6-Dinitrotoluene	0.000		0	N.D. d	
17) Acenaphthylene	4.236	152	175M6	1.015 ng/ml	
19) Acenaphthene	4.343	153	122	1.085 ng/ml	92
20) 2,4-Dinitrotoluene	0.000		0	N.D.	
21) Fluorene	4.651	166	140	1.084 ng/ml	86
24) 4,6-Dinitro-o-cresol	0.000		0	N.D.	
25) Hexachlorobenzene	4.991	284	43M3	1.162 ng/ml	
26) Pentachlorophenol	5.108	266	179	1.327 ng/ml	98
27) Phenanthrene	5.230	178	170M3	0.896 ng/ml	
28) Anthracene	5.263	178	217M6	1.166 ng/ml	
29) Fluoranthene	5.957	202	241M7	1.141 ng/ml	
30) Pyrene	6.096	202	252	1.146 ng/ml	97
33) Benzo[a]anthracene	6.881	226	178	2.897 ng/ml#	1
34) 3,3'-Dichlorobenzidine	0.000		0	N.D.	
35) Chrysene	6.898	228	226	1.116 ng/ml	96
36) Bis(2-ethylhexyl)phtha...	6.910	149	168M7	1.372 ng/ml	
38) Benzo[b]fluoranthene	7.760	252	184	1.056 ng/ml#	87
39) Benzo[k]fluoranthene	7.787	252	183M7	1.053 ng/ml	
40) Benzo[a]pyrene	8.087	252	156	1.014 ng/ml#	81
41) Indeno[1,2,3-cd]pyrene	9.421	276	127M7	0.996 ng/ml	
42) Dibenzo[a,h]anthracene	9.463	278	117M7	0.992 ng/ml	
43) Benzo[g,h,i]perylene	9.776	276	150M1	1.197 ng/ml	

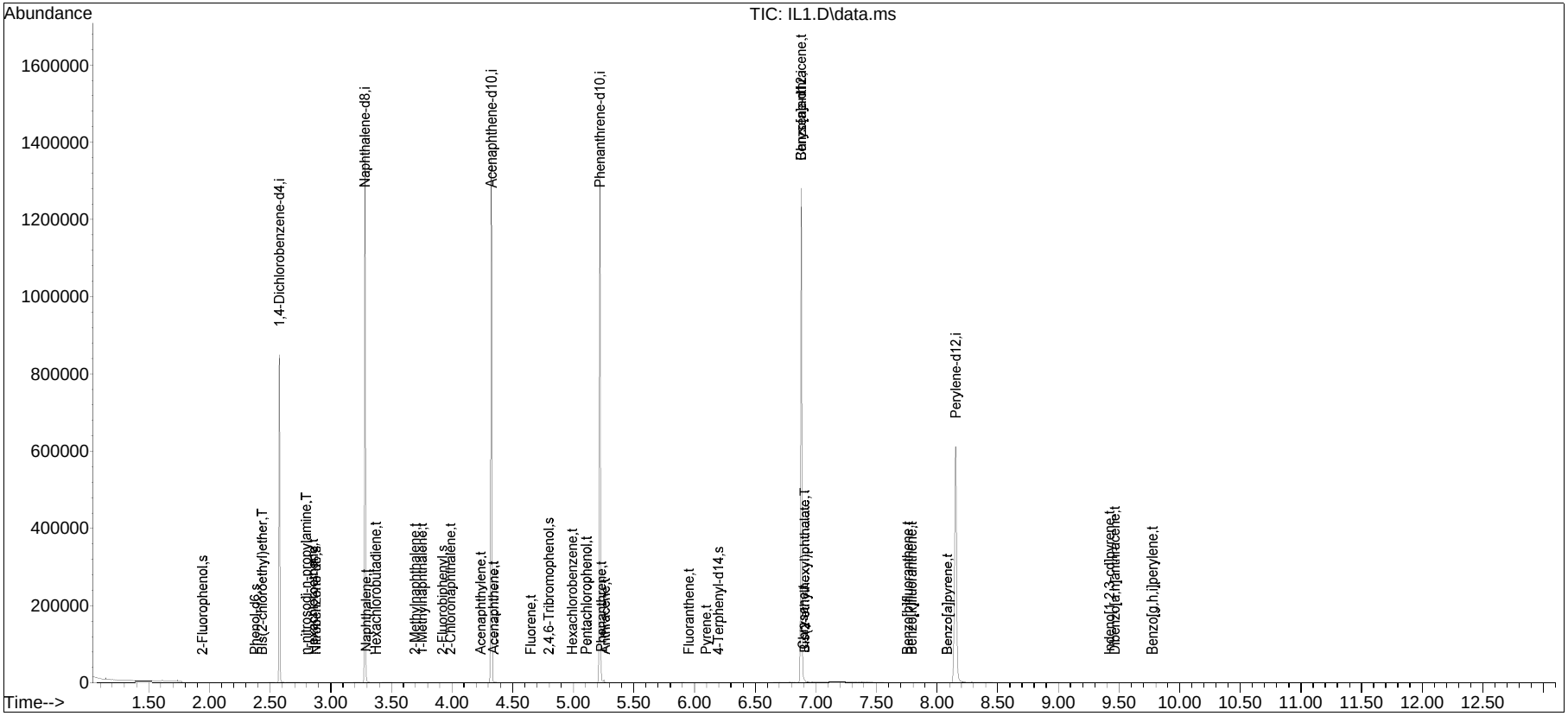
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : IL1.D
Acq On : 14 Nov 2025 03:01 pm
Operator : sv119:rp
Sample : IL1,32,,1.0 ng/mL #12043
Misc : WG2143411,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 18 16:12:16 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 14:30:13 2025
Response via : Initial Calibration

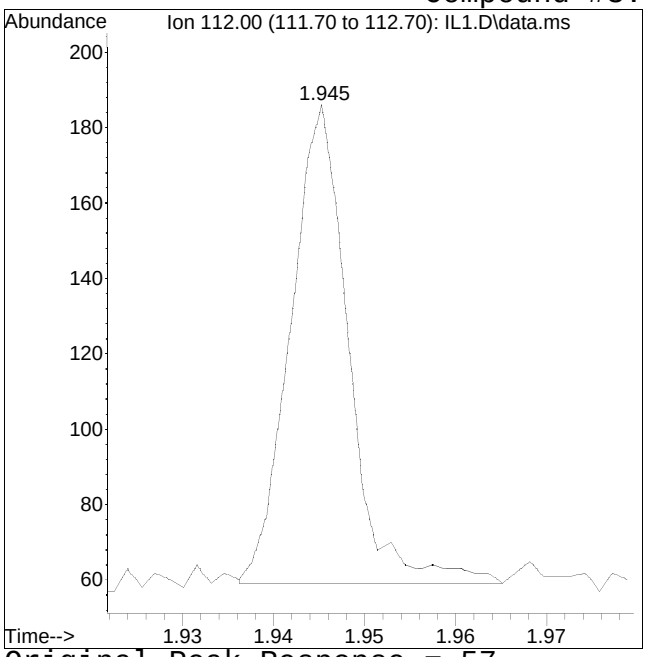
Sub List : Default - All compounds listedical\IL8.D•



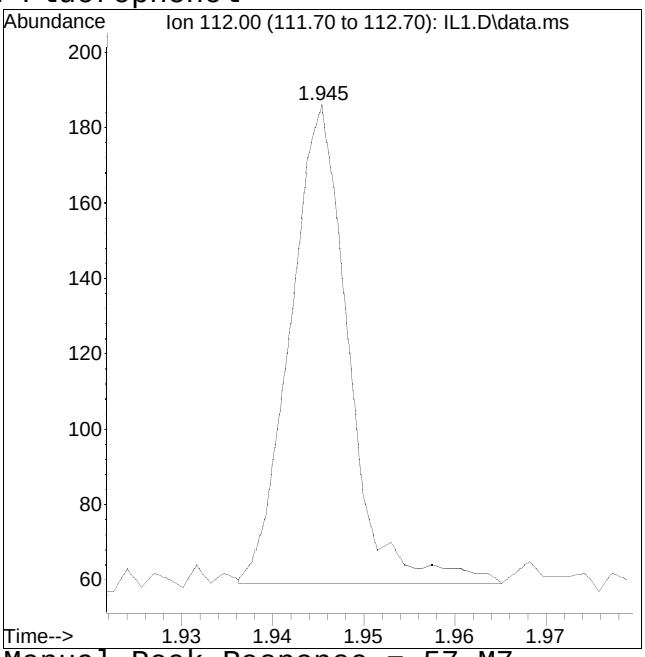
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQMethod : SIM-RVT_251114_sv119.M
Data File : IL1.D Operator : sv119:rp
Date Inj'd : 11/14/2025 3:01 pm Instrument : SV119
Sample : IL1,32,,1.0 ng/mL #12043 Quant Date : 11/18/2025 2:30 pm

Compound #3: 2-Fluorophenol



Original Peak Response = 57



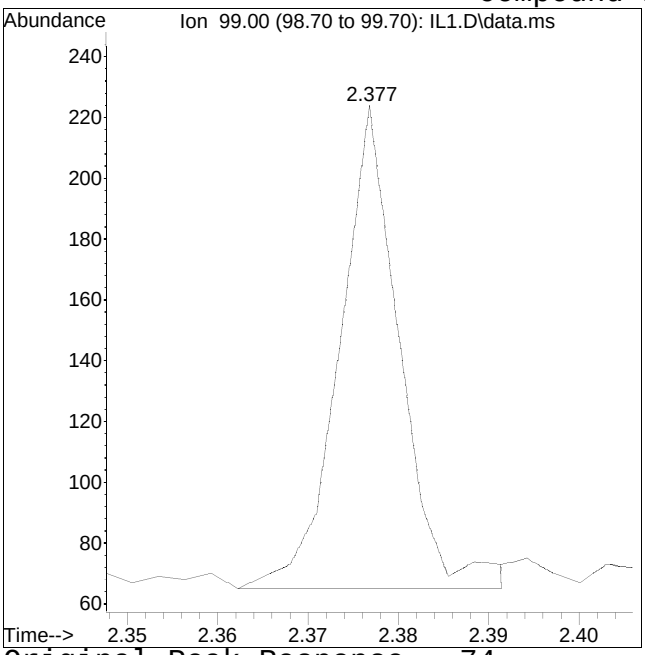
Manual Peak Response = 57 M7

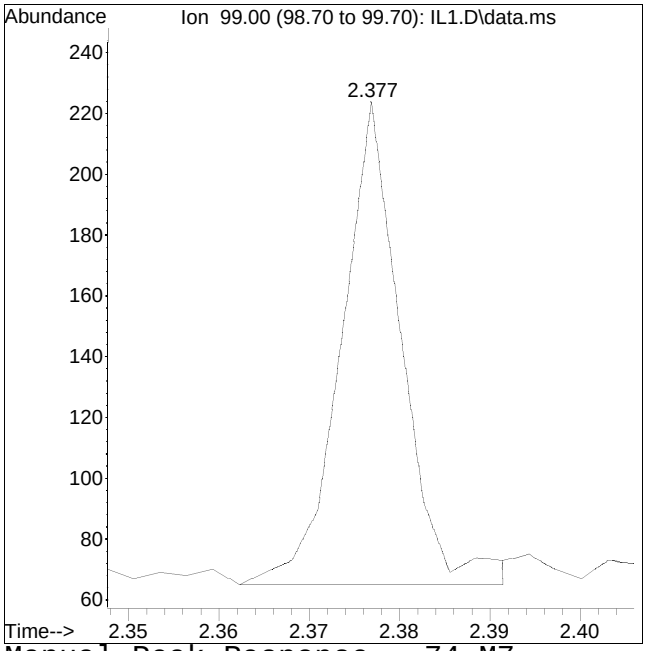
M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL1.D
Date Inj'd : 11/14/2025 3:01 pm
Sample : IL1,32,,1.0 ng/mL #12043
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:30 pm

Compound #4: Phenol-d6





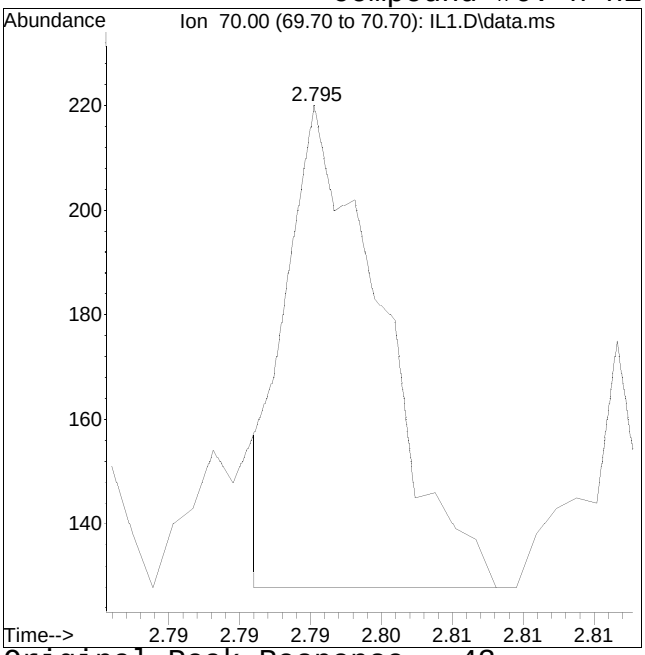
Original Peak Response = 74 Manual Peak Response = 74 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

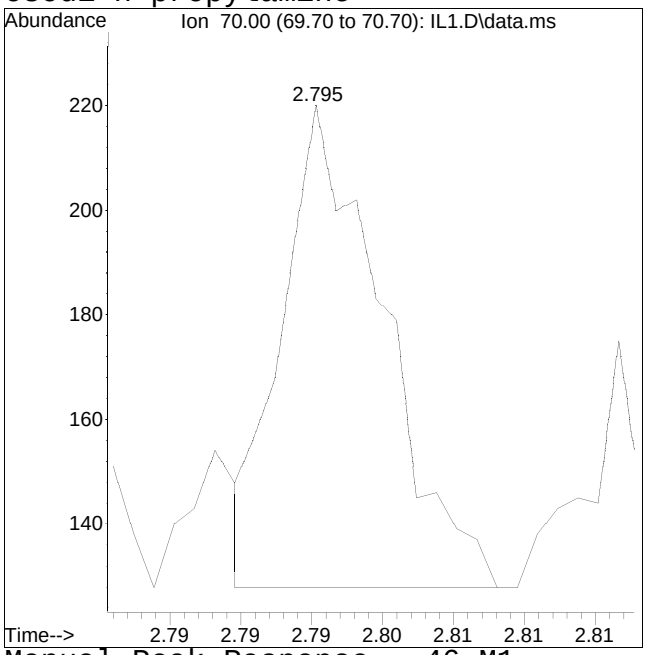
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL1.D
Date Inj'd : 11/14/2025 3:01 pm
Sample : IL1,32,,1.0 ng/mL #12043
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:30 pm

Compound #6: n-nitrosodi-n-propylamine



Original Peak Response = 43



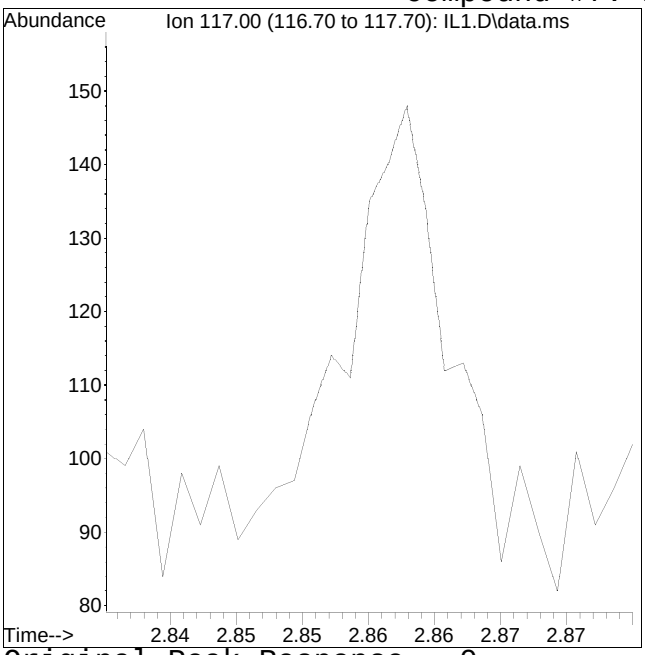
Manual Peak Response = 46 M1

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

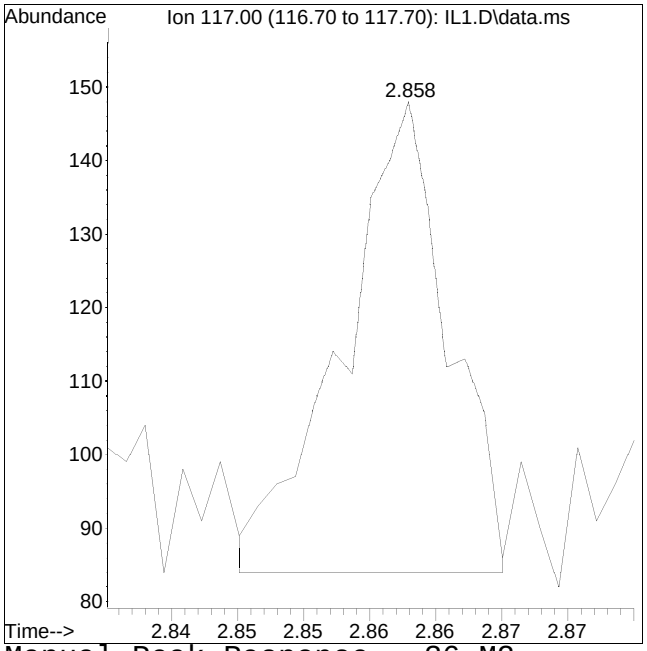
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL1.D
Date Inj'd : 11/14/2025 3:01 pm
Sample : IL1,32,,1.0 ng/mL #12043
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:30 pm

Compound #7: Hexachloroethane



Original Peak Response = 0



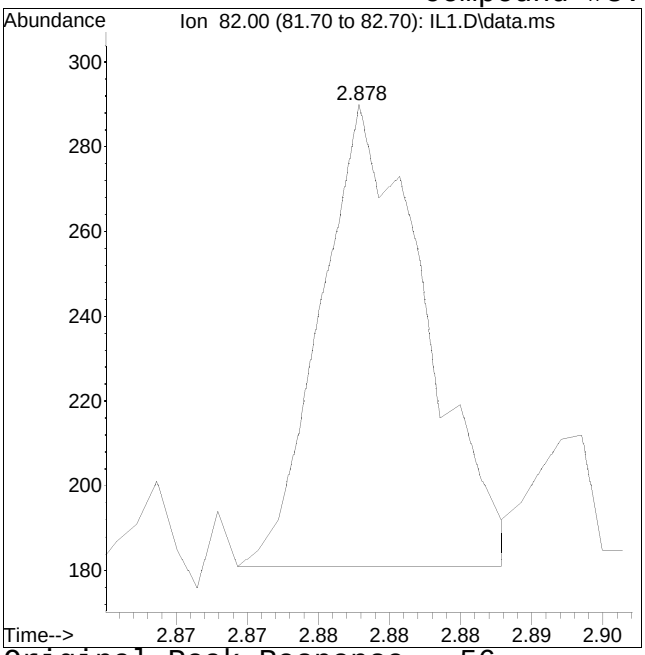
Manual Peak Response = 36 M2

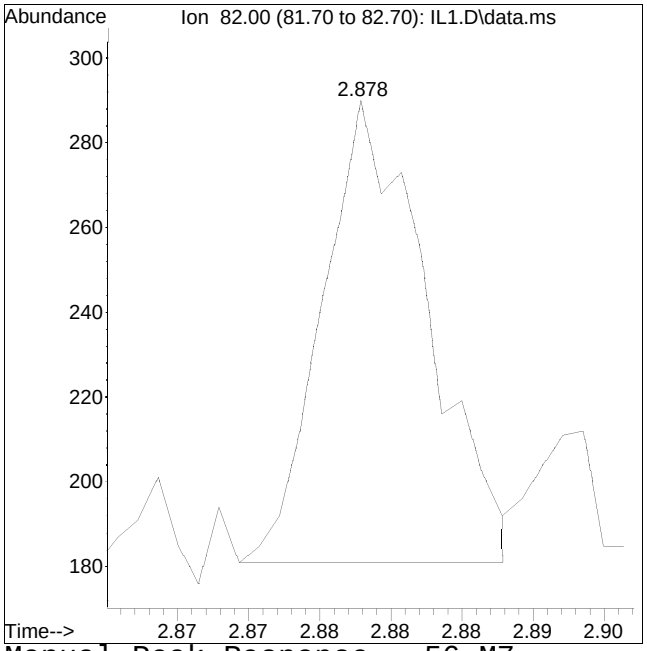
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL1.D
Date Inj'd : 11/14/2025 3:01 pm
Sample : IL1,32,,1.0 ng/mL #12043
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:30 pm

Compound #8: Nitrobenzene-d5



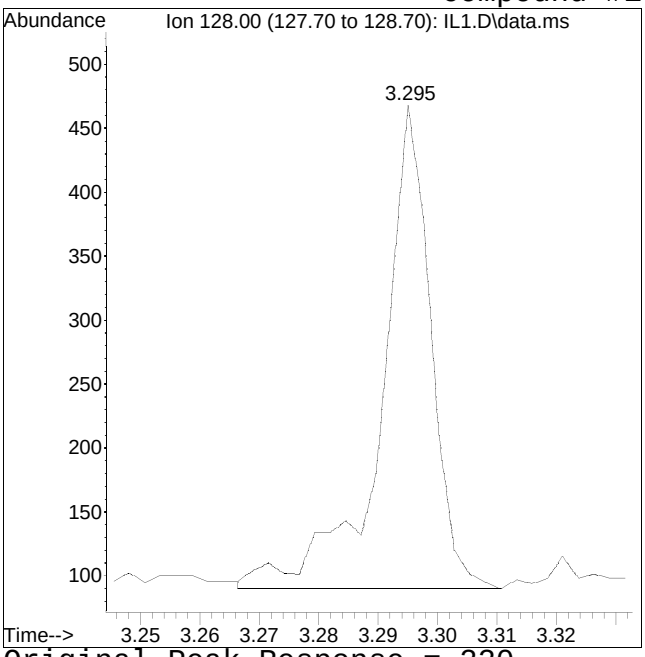


Original Peak Response = 56 Manual Peak Response = 56 M7
M7 = A qualifier ion was manually integrated (only for GC/MS data).

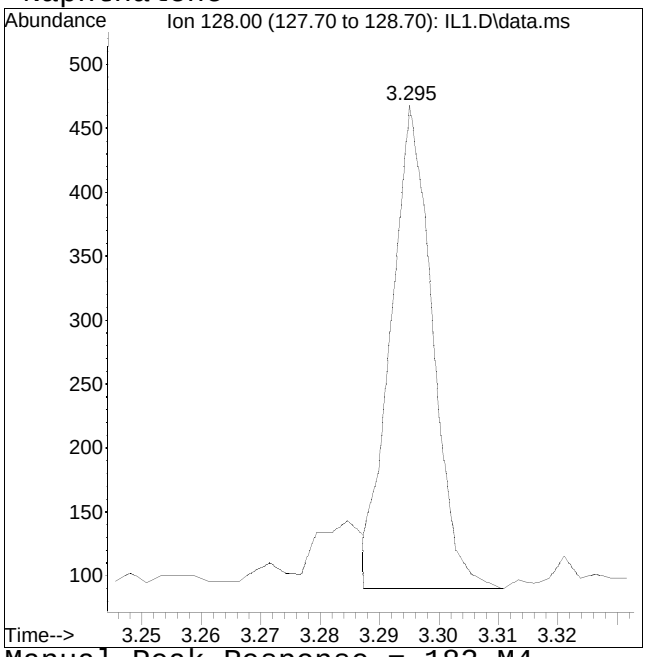
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL1.D
Date Inj'd : 11/14/2025 3:01 pm
Sample : IL1,32,,1.0 ng/mL #12043
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:30 pm

Compound #10: Naphthalene



Original Peak Response = 220



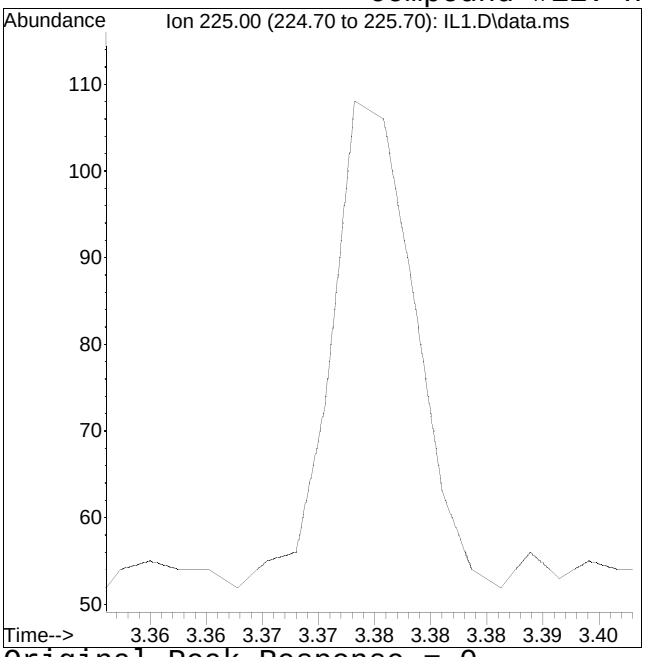
Manual Peak Response = 182 M4

M4 = Poor automated baseline construction.

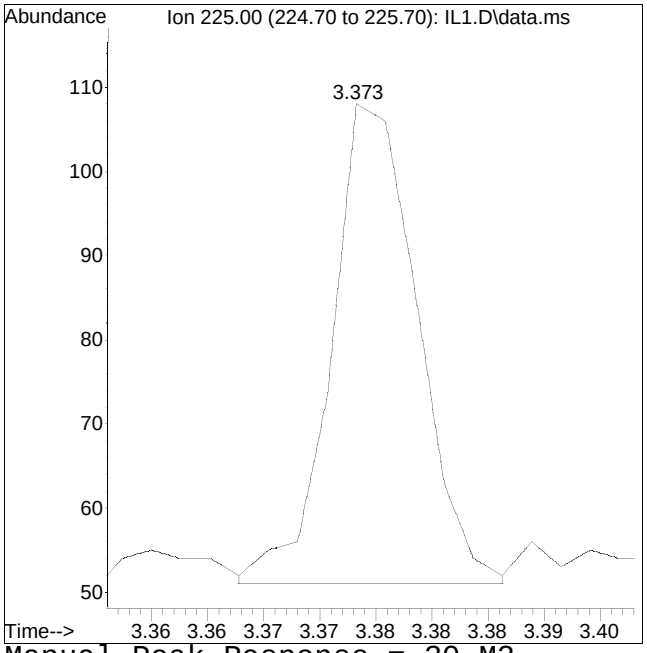
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL1.D
Date Inj'd : 11/14/2025 3:01 pm
Sample : IL1,32,,1.0 ng/mL #12043
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:30 pm

Compound #11: Hexachlorobutadiene



Original Peak Response = 0



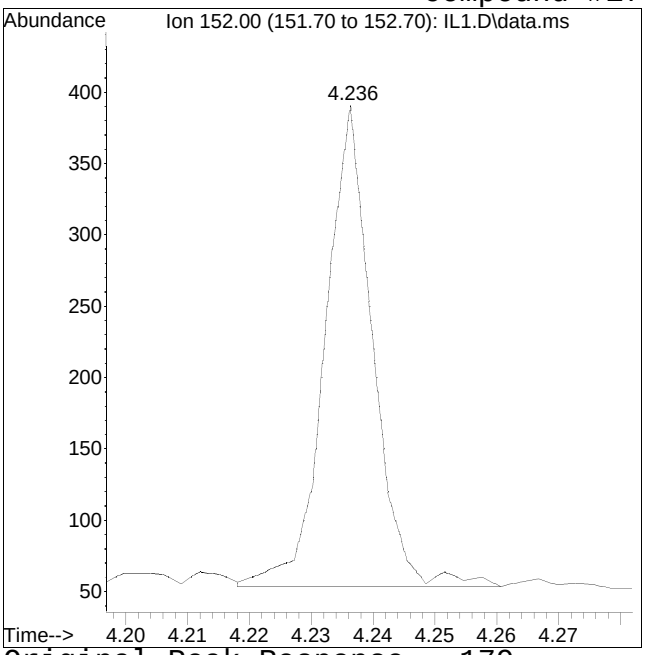
Manual Peak Response = 30 M2

M2 = Peak not found by automatic integration algorithm.

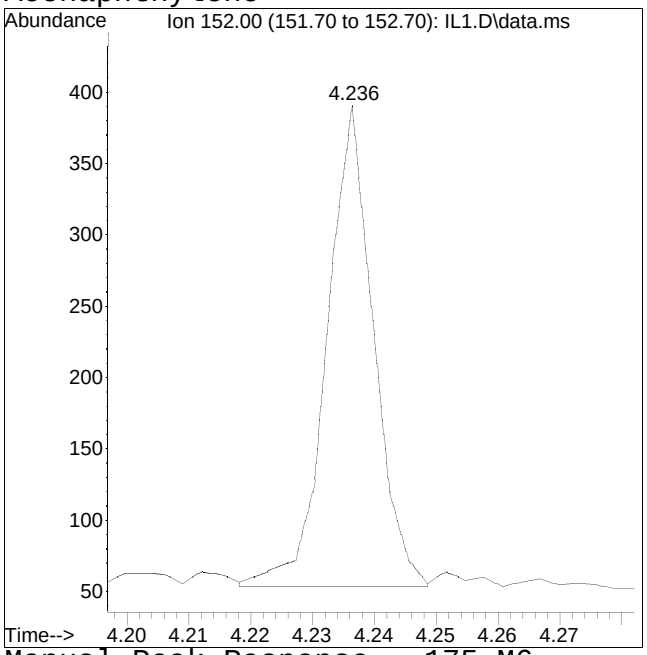
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQMethod : SIM-RVT_251114_sv119.M
Data File : IL1.D Operator : sv119:rp
Date Inj'd : 11/14/2025 3:01 pm Instrument : SV119
Sample : IL1,32,,1.0 ng/mL #12043 Quant Date : 11/18/2025 2:30 pm

Compound #17: Acenaphthylene



Original Peak Response = 179



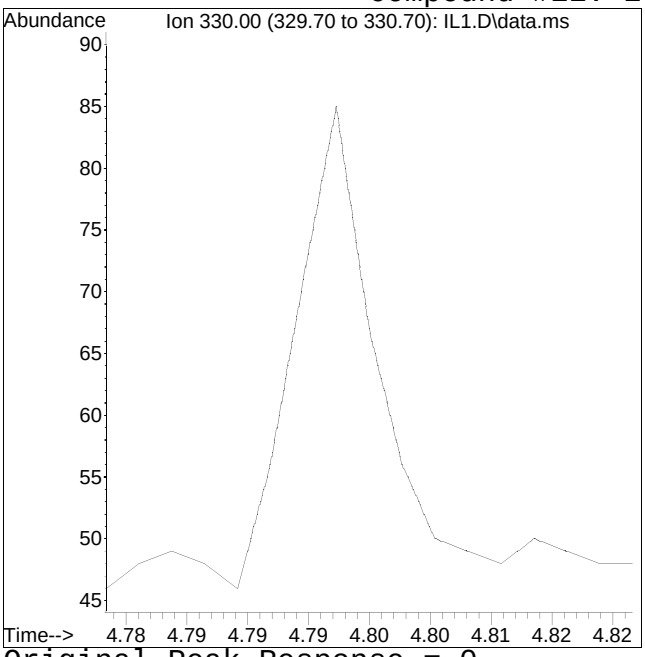
Manual Peak Response = 175 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

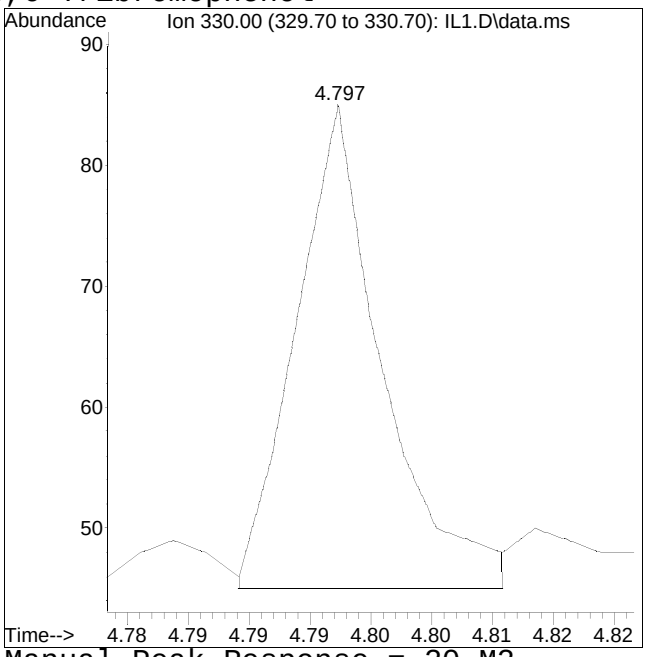
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL1.D
Date Inj'd : 11/14/2025 3:01 pm
Sample : IL1,32,,1.0 ng/mL #12043
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:30 pm

Compound #22: 2,4,6-Tribromophenol



Original Peak Response = 0



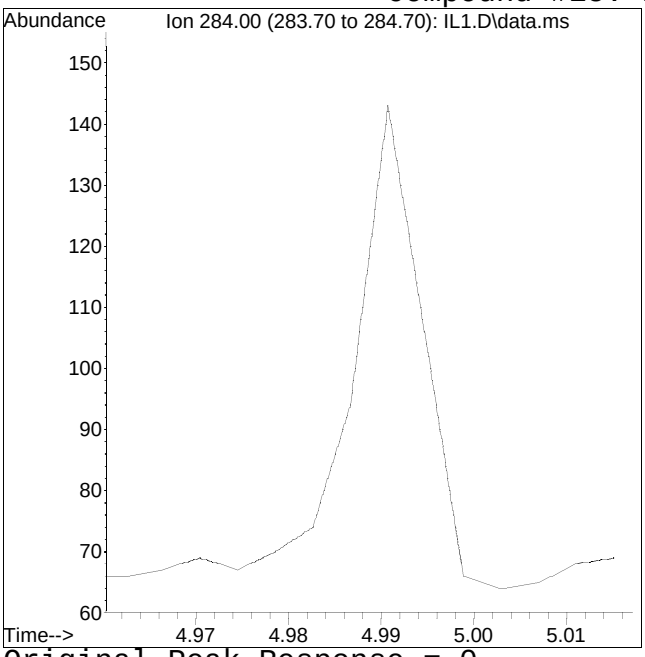
Manual Peak Response = 20 M2

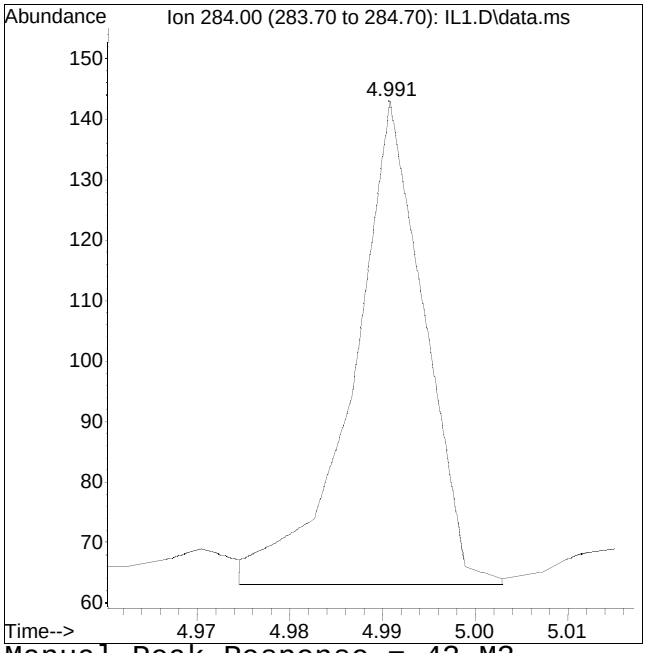
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL1.D
Date Inj'd : 11/14/2025 3:01 pm
Sample : IL1,32,,1.0 ng/mL #12043
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:30 pm

Compound #25: Hexachlorobenzene





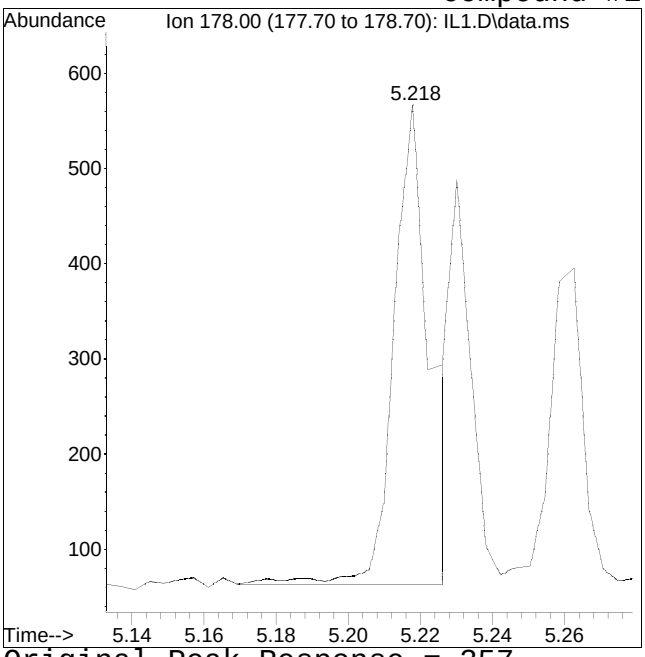
Original Peak Response = 0 Manual Peak Response = 43 M3

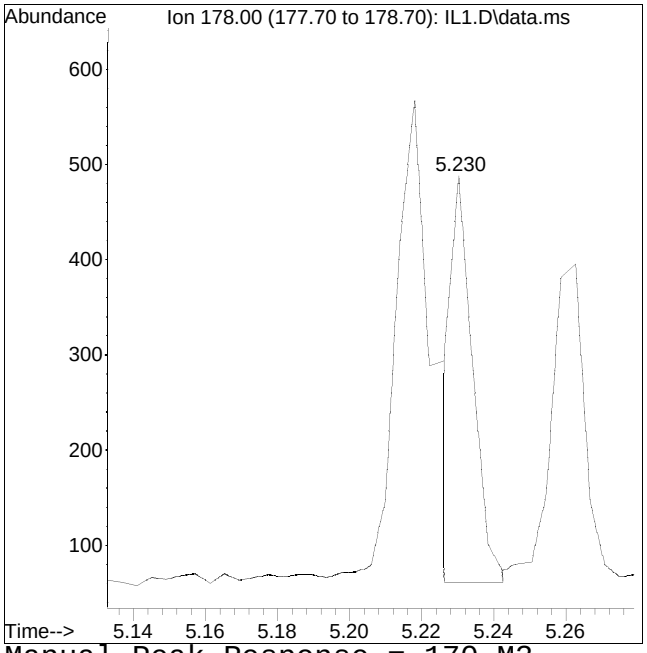
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQMethod : SIM-RVT_251114_sv119.M
Data File : IL1.D Operator : sv119:rp
Date Inj'd : 11/14/2025 3:01 pm Instrument : SV119
Sample : IL1,32,,1.0 ng/mL #12043 Quant Date : 11/18/2025 2:30 pm

Compound #27: Phenanthrene





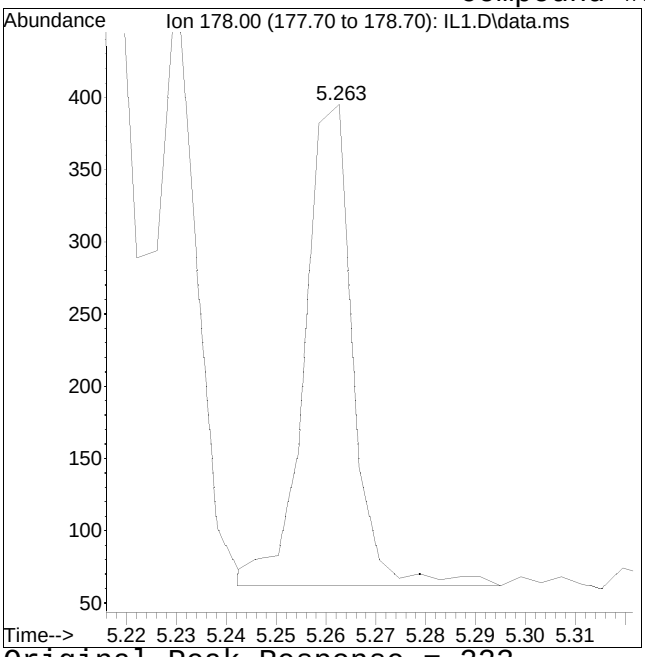
Original Peak Response = 357 Manual Peak Response = 170 M3

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

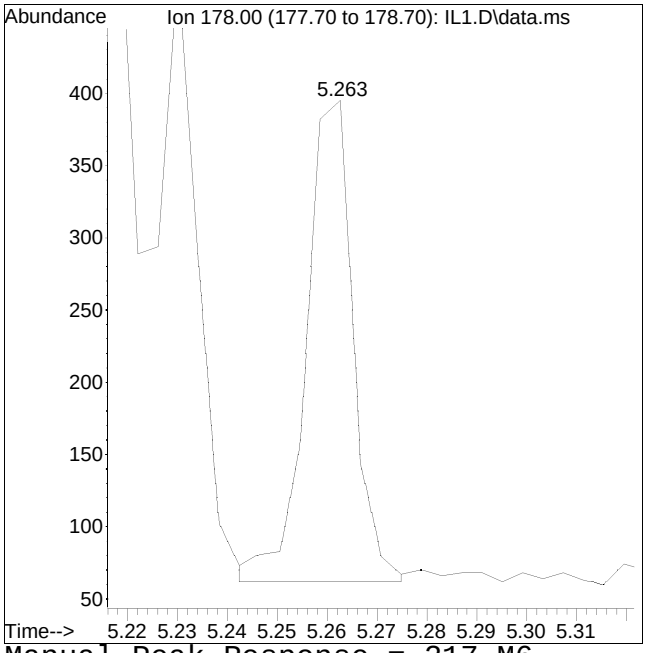
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL1.D
Date Inj'd : 11/14/2025 3:01 pm
Sample : IL1,32,,1.0 ng/mL #12043
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:30 pm

Compound #28: Anthracene



Original Peak Response = 223



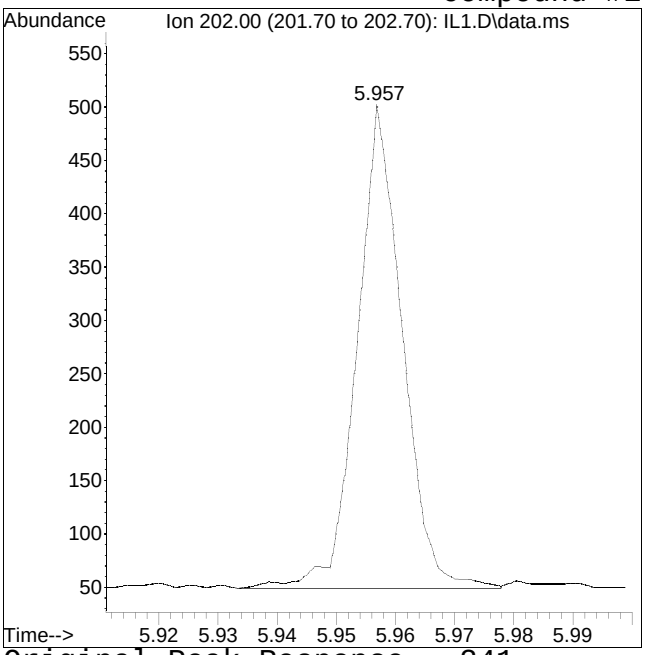
Manual Peak Response = 217 M6

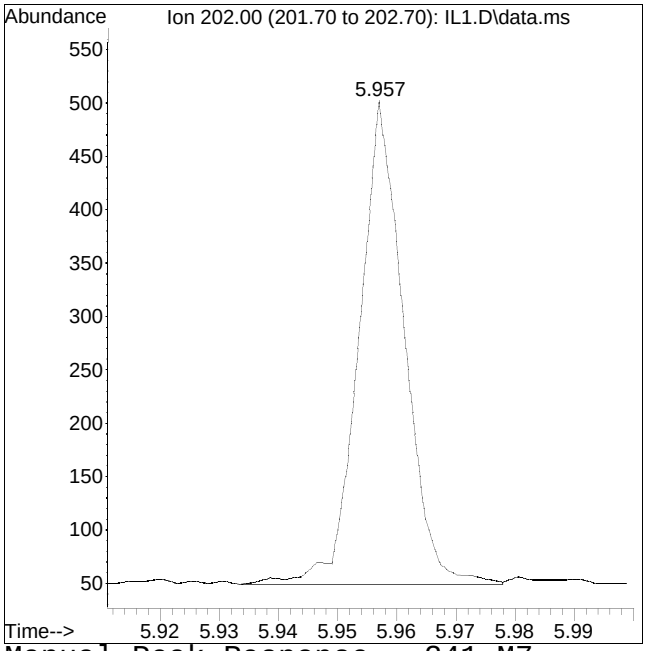
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL1.D
Date Inj'd : 11/14/2025 3:01 pm
Sample : IL1,32,,1.0 ng/mL #12043
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:30 pm

Compound #29: Fluoranthene





Original Peak Response = 241 Manual Peak Response = 241 M7

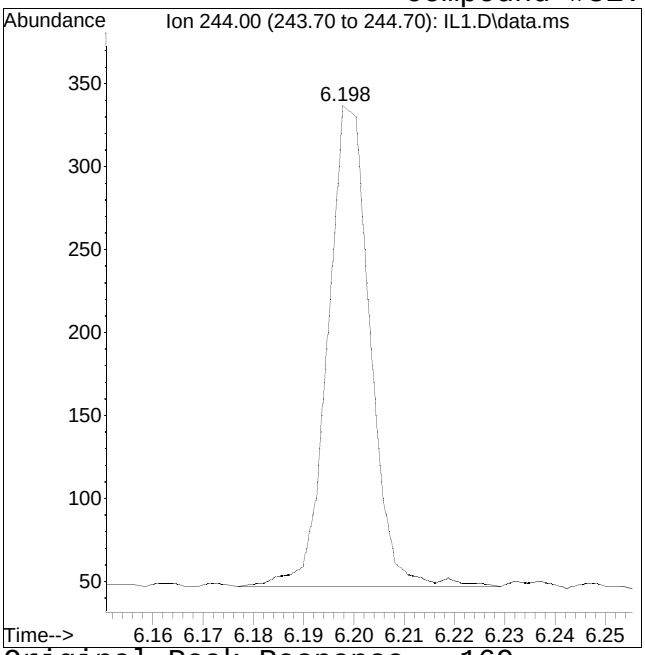
M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

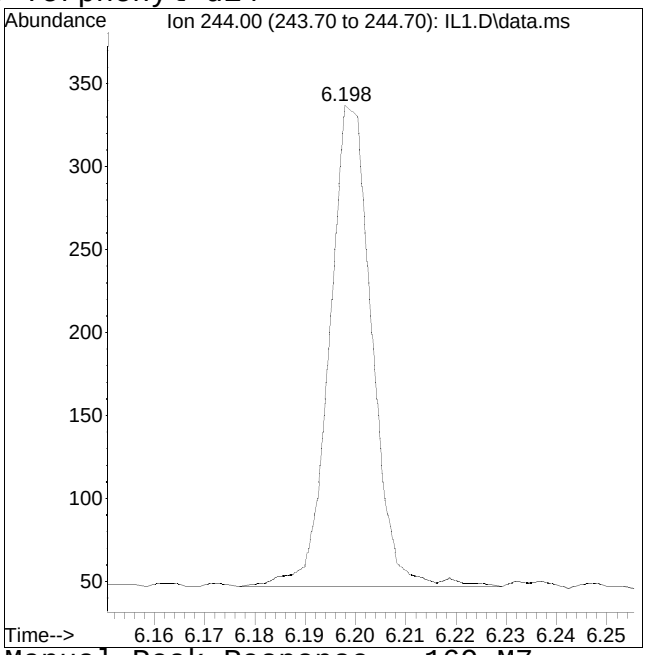
Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL1.D
Date Inj'd : 11/14/2025 3:01 pm
Sample : IL1,32,,1.0 ng/mL #12043

Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:30 pm

Compound #31: 4-Terphenyl-d14



Original Peak Response = 169



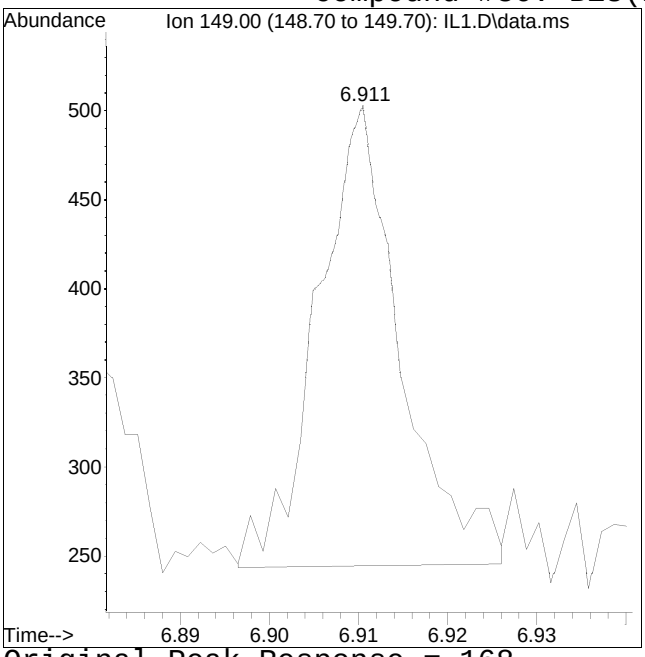
Manual Peak Response = 169 M7

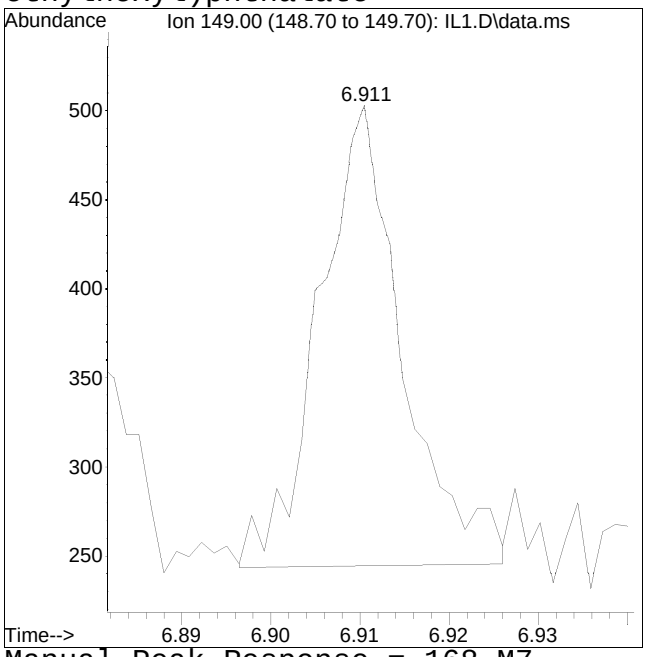
M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL1.D
Date Inj'd : 11/14/2025 3:01 pm
Sample : IL1,32,,1.0 ng/mL #12043
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:30 pm

Compound #36: Bis(2-ethylhexyl)phthalate



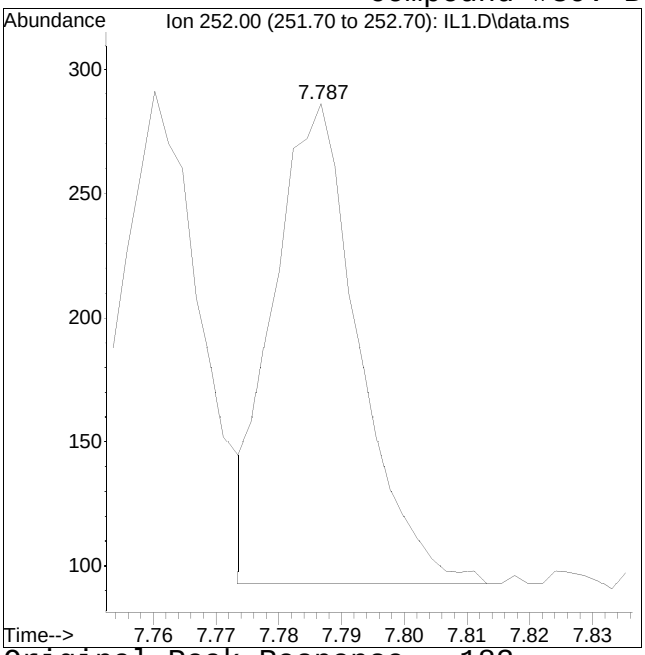


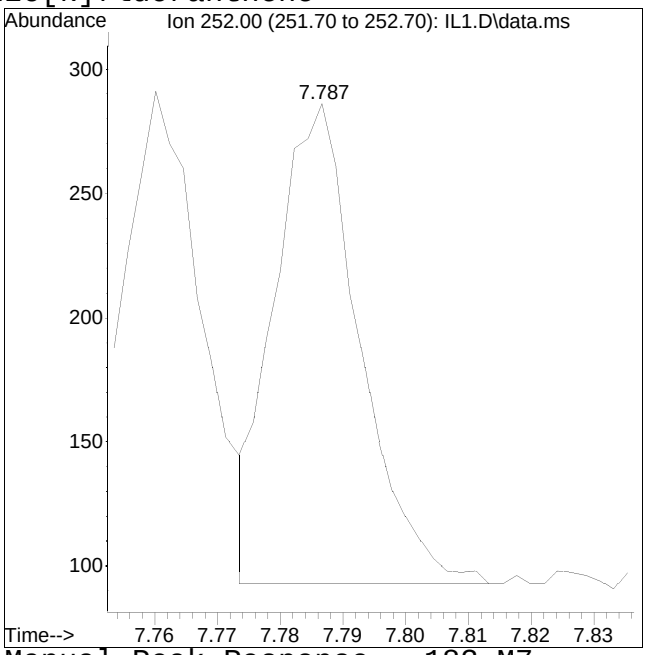
Original Peak Response = 168 Manual Peak Response = 168 M7
M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL1.D
Date Inj'd : 11/14/2025 3:01 pm
Sample : IL1,32,,1.0 ng/mL #12043
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:30 pm

Compound #39: Benzo[k]fluoranthene



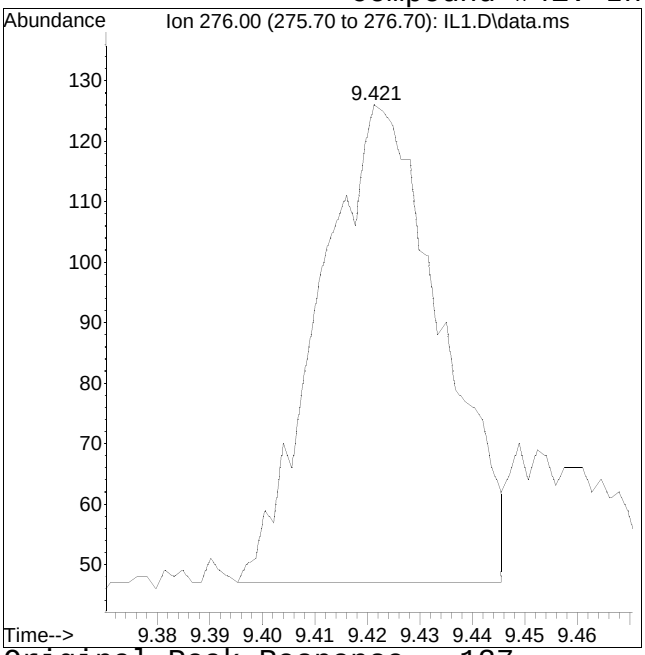


Original Peak Response = 183
Manual Peak Response = 183 M7
M7 = A qualifier ion was manually integrated (only for GC/MS data).

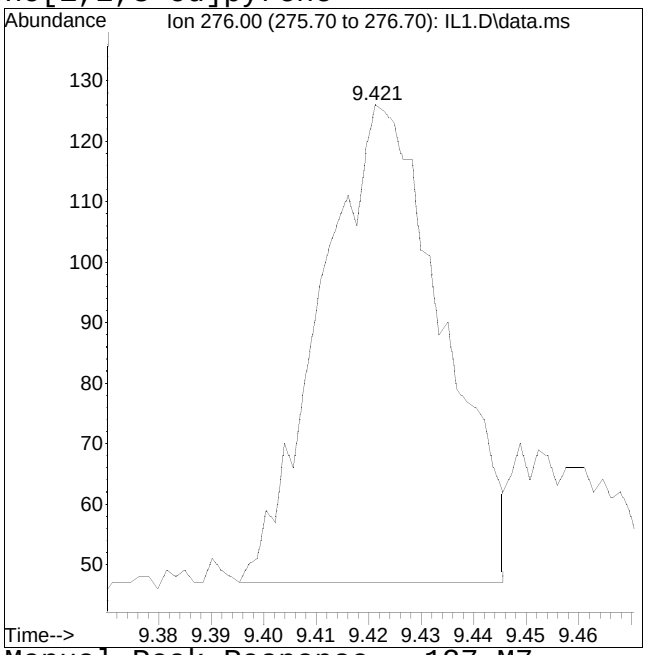
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL1.D
Date Inj'd : 11/14/2025 3:01 pm
Sample : IL1,32,,1.0 ng/mL #12043
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:30 pm

Compound #41: Indeno[1,2,3-cd]pyrene



Original Peak Response = 127



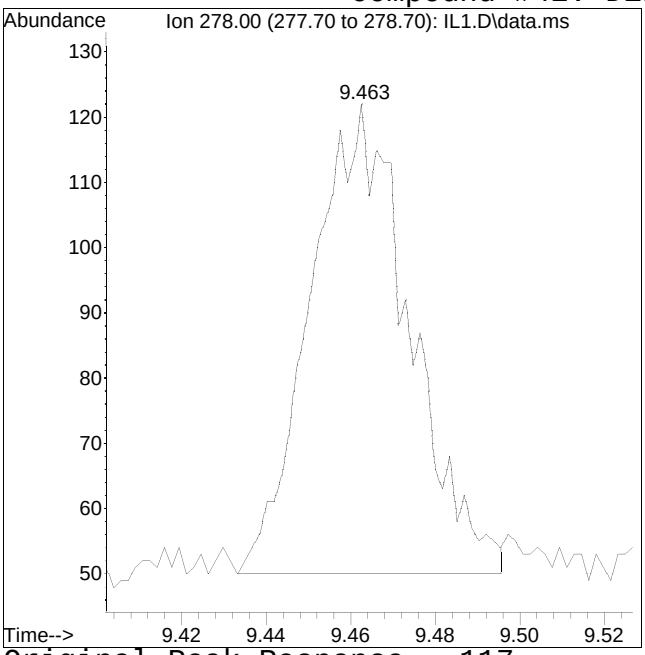
Manual Peak Response = 127 M7

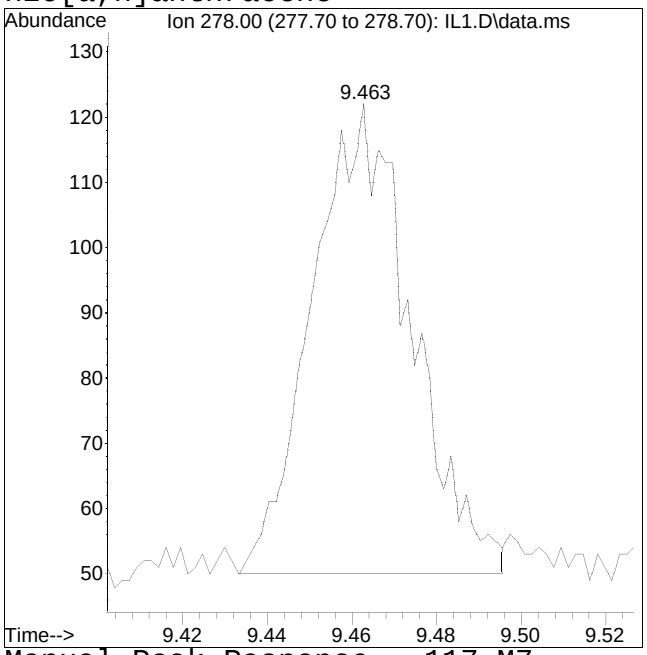
M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL1.D
Date Inj'd : 11/14/2025 3:01 pm
Sample : IL1,32,,1.0 ng/mL #12043
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:30 pm

Compound #42: Dibenzo[a,h]anthracene



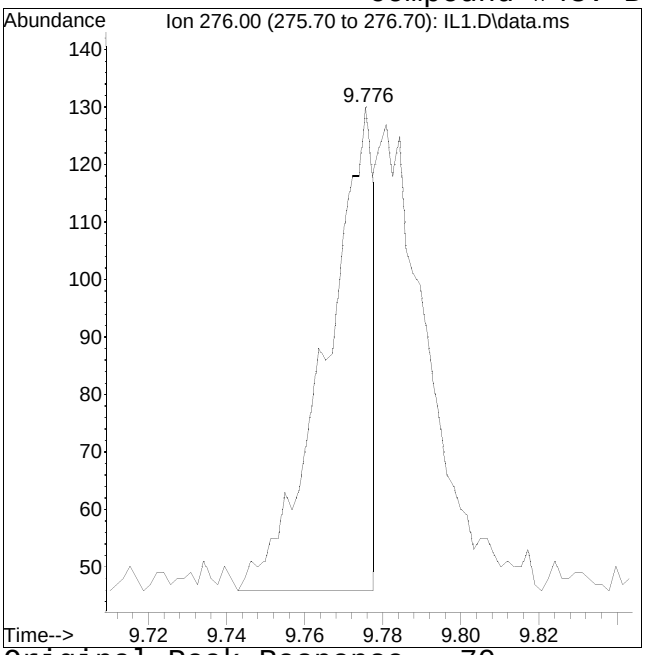


Original Peak Response = 117
Manual Peak Response = 117 M7
M7 = A qualifier ion was manually integrated (only for GC/MS data).

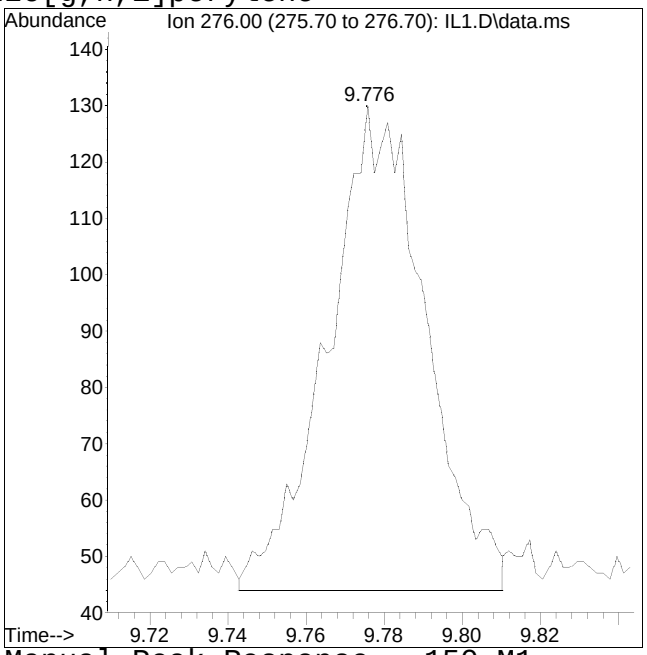
Manual Integration Report

Data Path : I:\8270SIM\sv119\251114RVTQ
Data File : IL1.D
Date Inj'd : 11/14/2025 3:01 pm
Sample : IL1,32,,1.0 ng/mL #12043
Method : SIM-RVT_251114_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 11/18/2025 2:30 pm

Compound #43: Benzo[g,h,i]perylene



Original Peak Response = 70



Manual Peak Response = 150 M1

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

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : ICV.D
Acq On : 14 Nov 2025 03:20 pm
Operator : sv119:rp
Sample : CQICV,32,, 1.000 Lot #12034
Misc : WG2143411,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 18 16:40:17 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 16:40:51 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
2	T	N-Nitrosodimethylamine	0.746	0.758	-1.6	89	0.00
3	s	2-Fluorophenol	1.150	1.242	-8.0	98	0.00
4	s	Phenol-d6	1.407	1.531	-8.8	95	0.00
5	T	Bis(2-chloroethyl)ether	1.259	1.223	2.9	89	0.00
6	T	n-nitrosodi-n-propylamine	0.834	0.835	-0.1	87	0.00
7	t	Hexachloroethane	0.515	0.507	1.6	89	0.00
8	s	Nitrobenzene-d5	1.188	1.182	0.5	86	0.00
9	i	Naphthalene-d8	1.000	1.000	0.0	89	0.00
10	t	Naphthalene	1.037	1.023	1.4	89	0.00
11	t	Hexachlorobutadiene	0.171	0.167	2.3	88	0.00
12	t	2-Methylnaphthalene	0.639	0.644	-0.8	90	0.00
13	t	1-Methylnaphthalene	0.645	0.646	-0.2	89	0.00
14	s	2-Fluorobiphenyl	0.799	0.778	2.6	87	0.00
15	t	2-Chloronaphthalene	0.678	0.680	-0.3	88	0.00
16	t	2,6-Dinitrotoluene	0.145	0.141	2.8	82	0.00
17	t	Acenaphthylene	1.077	1.124	-4.4	90	0.00
18	i	Acenaphthene-d10	1.000	1.000	0.0	88	0.00
19	t	Acenaphthene	1.335	1.340	-0.4	88	0.00
20	t	2,4-Dinitrotoluene	0.343	0.367	-7.0	83	0.00
21	t	Fluorene	1.533	1.527	0.4	87	0.00
22	s	2,4,6-Tribromophenol	0.172	0.187	-8.7	92	0.00
23	i	Phenanthrene-d10	1.000	1.000	0.0	87	0.00
24	T	4,6-Dinitro-o-cresol	*1000.000	841.076	15.9	83	0.00
25	t	Hexachlorobenzene	0.219	0.212	3.2	86	0.00
26	t	Pentachlorophenol	*1000.000	934.143	6.6	88	0.00
27	t	Phenanthrene	1.116	1.119	-0.3	87	0.00
28	t	Anthracene	1.095	1.110	-1.4	86	0.00
29	t	Fluoranthene	1.243	1.251	-0.6	87	0.00
30	t	Pyrene	1.294	1.299	-0.4	87	0.00
31	s	4-Terphenyl-d14	0.865	0.863	0.2	86	0.00
32	i	Chrysene-d12	1.000	1.000	0.0	88	0.00
33	t	Benzo[a]anthracene	0.387	0.357	7.8	86	0.00
34	t	3,3'-Dichlorobenzidine	0.423	0.423	0.0	84	0.00
35	t	Chrysene	1.286	1.290	-0.3	89	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : ICV.D
Acq On : 14 Nov 2025 03:20 pm
Operator : sv119:rp
Sample : CQICV,32,, 1.000 Lot #12034
Misc : WG2143411,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 18 16:40:17 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 16:40:51 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	T	Bis(2-ethylhexyl)phthalate	0.772	0.692	10.4	86	0.00
37	i	Perylene-d12	1.000	1.000	0.0	90	0.00
38	t	Benzo[b]fluoranthene	1.283	1.265	1.4	89	0.00
39	t	Benzo[k]fluoranthene	1.279	1.327	-3.8	91	0.00
40	t	Benzo[a]pyrene	1.133	1.146	-1.1	90	0.00
41	t	Indeno[1,2,3-cd]pyrene	0.939	0.938	0.1	88	0.00
42	t	Dibenzo[a,h]anthracene	0.868	0.904	-4.1	88	0.00
43	t	Benzo[g,h,i]perylene	0.923	0.910	1.4	86	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : ICV.D
Acq On : 14 Nov 2025 03:20 pm
Operator : sv119:rp
Sample : CQICV,32,, 1.000 Lot #12034
Misc : WG2143411,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 18 16:40:17 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 16:40:51 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\251114RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.581	152	157328	4000.000	ng/ml	0.00
Standard Area 1 = 175492			Recovery = 89.65%			
9) Naphthalene-d8	3.285	136	615236	4000.000	ng/ml	0.00
Standard Area 1 = 692240			Recovery = 88.88%			
18) Acenaphthene-d10	4.325	164	323650	4000.000	ng/ml	0.00
Standard Area 1 = 369268			Recovery = 87.65%			
23) Phenanthrene-d10	5.218	188	664726	4000.000	ng/ml	0.00
Standard Area 1 = 766794			Recovery = 86.69%			
32) Chrysene-d12	6.882	240	581373	4000.000	ng/ml	0.00
Standard Area 1 = 658278			Recovery = 88.32%			
37) Perylene-d12	8.151	264	501424	4000.000	ng/ml	0.00
Standard Area 1 = 558973			Recovery = 89.70%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.944	112	48849	1079.698	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 53.98%			
4) Phenol-d6	2.377	99	60230	1088.358	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 54.42%			
8) Nitrobenzene-d5	2.878	82	46489	994.647	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 99.46%			
14) 2-Fluorobiphenyl	3.922	172	119656	973.214	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 97.32%			
22) 2,4,6-Tribromophenol	4.797	330	15103	1083.175	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 54.16%			
31) 4-Terphenyl-d14	6.200	244	143422	998.234	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 99.82%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.417	74	29806	1016.144	ng/mL	99
5) Bis(2-chloroethyl)ether	2.435	93	48089	971.335	ng/ml	99
6) n-nitrosodi-n-propylamine	2.794	70	32852	1001.310	ng/ml	100
7) Hexachloroethane	2.858	117	19947	984.719	ng/ml	100
10) Naphthalene	3.295	128	157356	986.945	ng/ml	100
11) Hexachlorobutadiene	3.376	225	25747	981.455	ng/ml	99
12) 2-Methylnaphthalene	3.700	142	99027	1007.499	ng/ml	100
13) 1-Methylnaphthalene	3.759	142	99329	1001.668	ng/ml	100
15) 2-Chloronaphthalene	3.988	162	104622	1002.680	ng/ml	100
16) 2,6-Dinitrotoluene	4.194	165	21747	972.791	ng/ml	99
17) Acenaphthylene	4.236	152	172864	1043.935	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : ICV.D
Acq On : 14 Nov 2025 03:20 pm
Operator : sv119:rp
Sample : CQICV,32,, 1.000 Lot #12034
Misc : WG2143411,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 18 16:40:17 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 16:40:51 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\251114RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	4.343	153	108457	1003.863	ng/ml	99
20) 2,4-Dinitrotoluene	4.437	165	29709	1070.453	ng/ml	99
21) Fluorene	4.651	166	123569	995.983	ng/ml	99
24) 4,6-Dinitro-o-cresol	4.681	198	15861	841.076	ng/ml	100
25) Hexachlorobenzene	4.991	284	35159	968.223	ng/ml	98
26) Pentachlorophenol	5.108	266	20464	934.143	ng/ml	100
27) Phenanthrene	5.230	178	185937	1002.420	ng/ml	100
28) Anthracene	5.263	178	184387	1013.152	ng/ml	100
29) Fluoranthene	5.959	202	207934	1006.338	ng/ml	100
30) Pyrene	6.098	202	215926	1004.470	ng/ml	100
33) Benzo[a]anthracene	6.874	226	51862	921.419	ng/ml	99
34) 3,3'-Dichlorobenzidine	6.860	252	61542	1000.572	ng/ml	100
35) Chrysene	6.901	228	187499	1003.210	ng/ml	99
36) Bis(2-ethylhexyl)phtha...	6.912	149	100560	896.600	ng/ml	100
38) Benzo[b]fluoranthene	7.762	252	158563	985.860	ng/ml	98
39) Benzo[k]fluoranthene	7.789	252	166296	1037.060	ng/ml	98
40) Benzo[a]pyrene	8.087	252	143650	1011.581	ng/ml	100
41) Indeno[1,2,3-cd]pyrene	9.426	276	117609	999.419	ng/ml	99
42) Dibenzo[a,h]anthracene	9.464	278	113319	1041.037	ng/ml	100
43) Benzo[g,h,i]perylene	9.781	276	114081	985.815	ng/ml	100

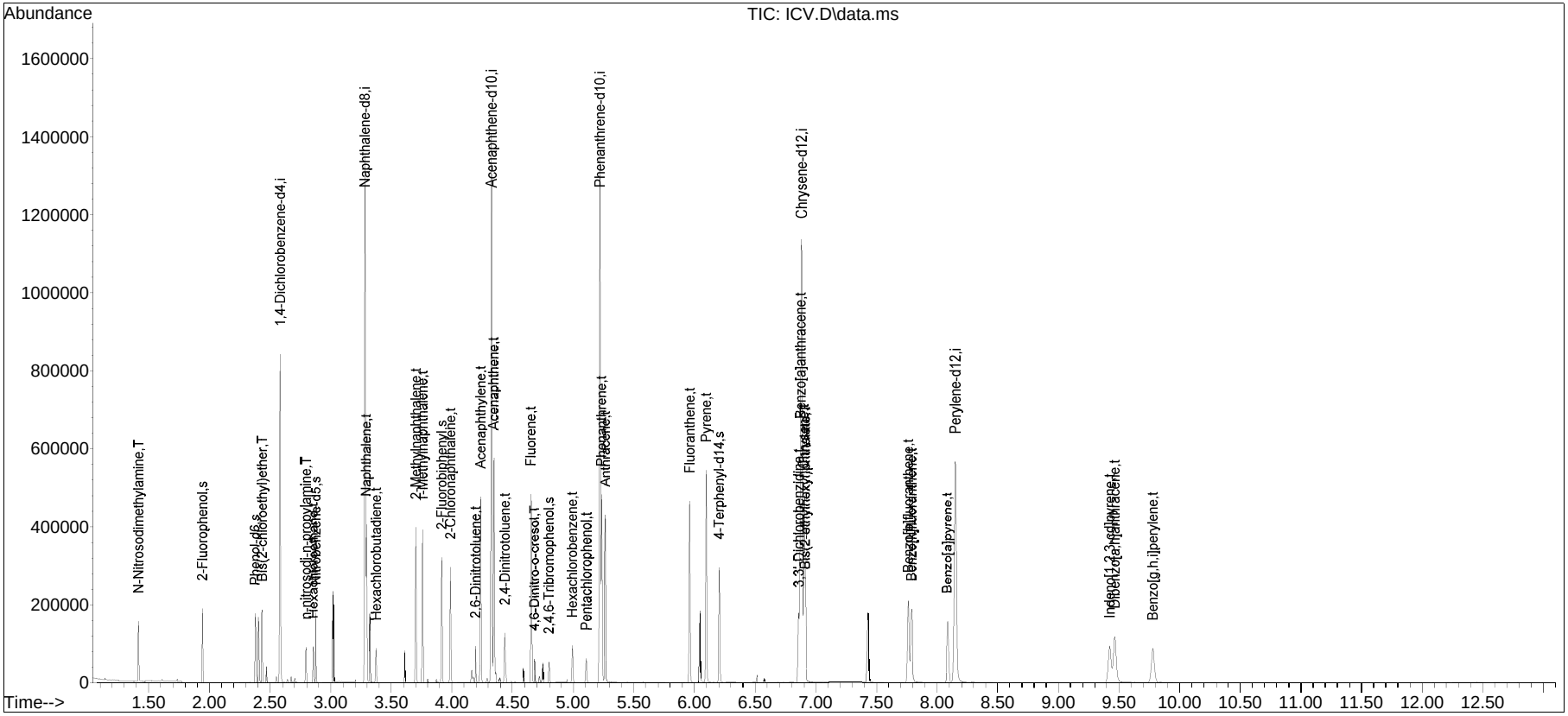
(#) = qualifier out of range (m) = manual integration (+) = signals summed

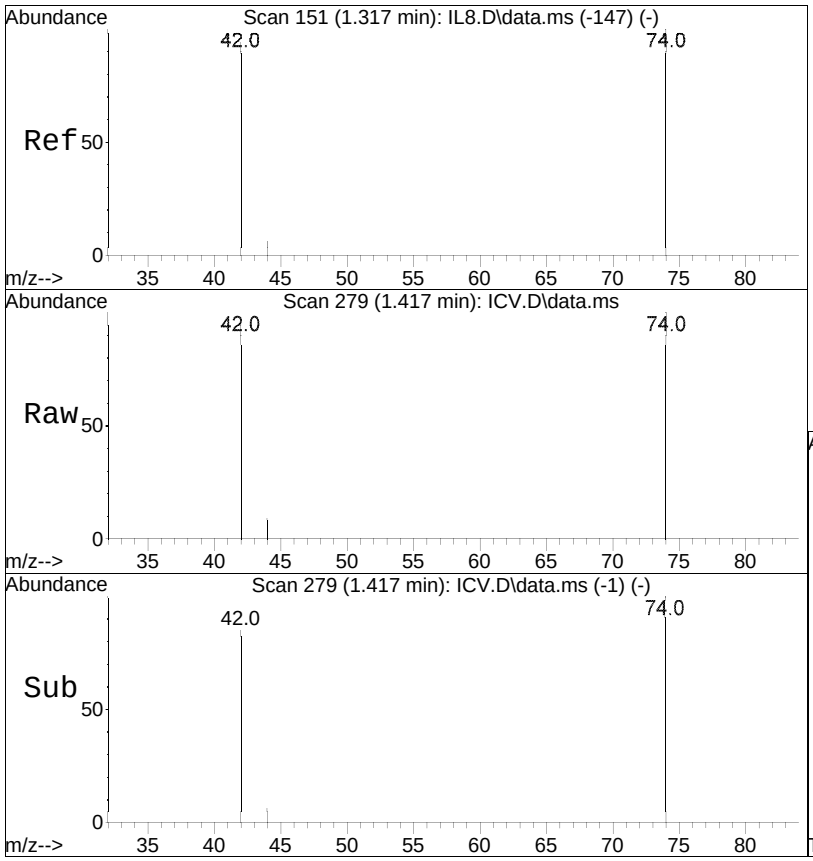
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251114RVTical\
Data File : ICV.D
Acq On : 14 Nov 2025 03:20 pm
Operator : sv119:rp
Sample : CQICV,32,, 1.000 Lot #12034
Misc : WG2143411,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 18 16:40:17 2025
Quant Method : I:\8270SIM\sv119\251114RVTical\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 18 16:40:51 2025
Response via : Initial Calibration

Sub List : Default - All compounds listedical\IL8.D•

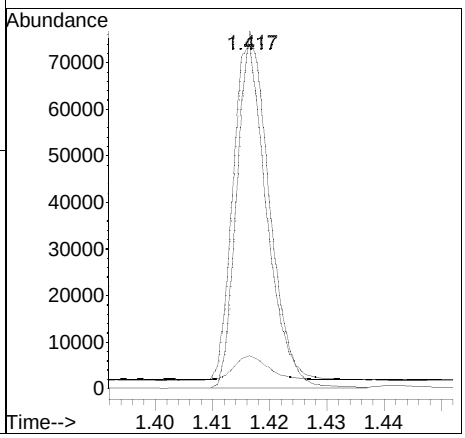


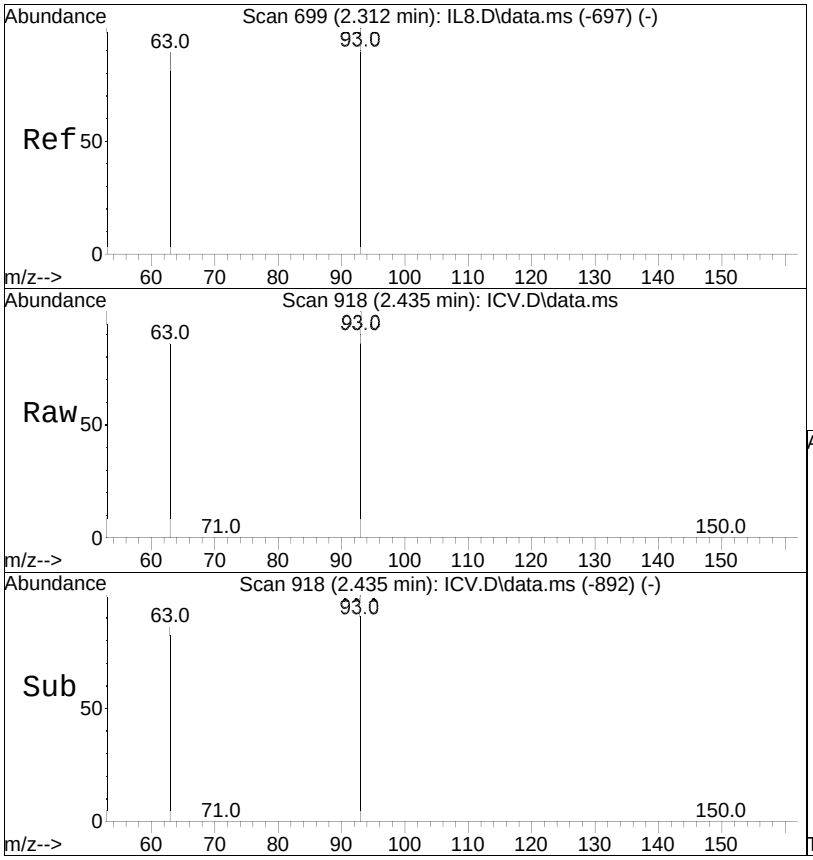


#2
N-Nitrosodimethylamine
Concen: 1016.14 ng/mL
RT: 1.417 min Scan# 279
Delta R.T. -0.005 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion: 74 Resp: 29806

Ion	Ratio	Lower	Upper
74	100		
42	97.5	76.9	115.3
44	6.7	5.4	8.0

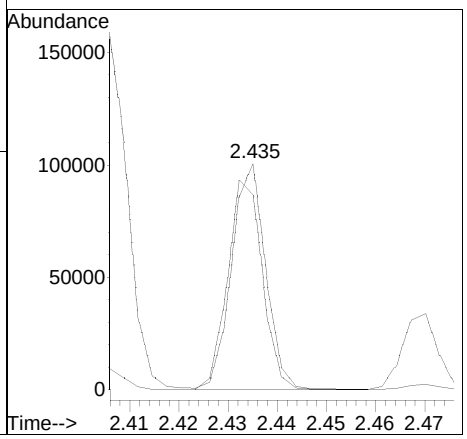


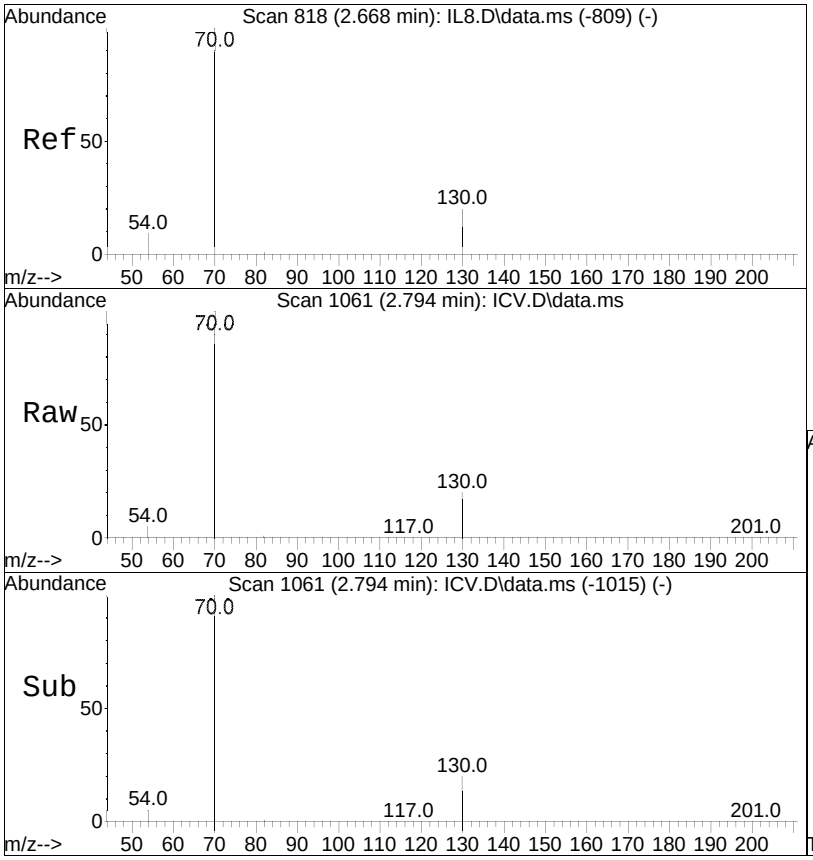


#5
Bis(2-chloroethyl)ether
Concen: 971.34 ng/ml
RT: 2.435 min Scan# 918
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion: 93 Resp: 48089

Ion	Ratio	Lower	Upper
93	100		
63	95.0	76.7	115.1

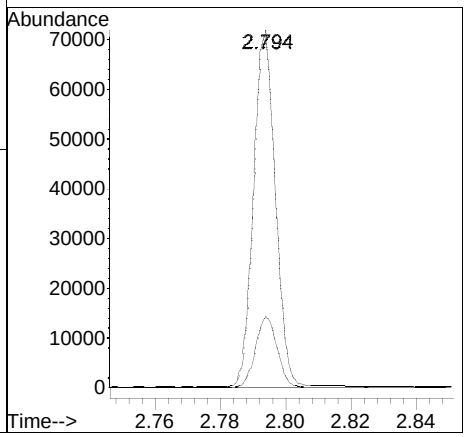


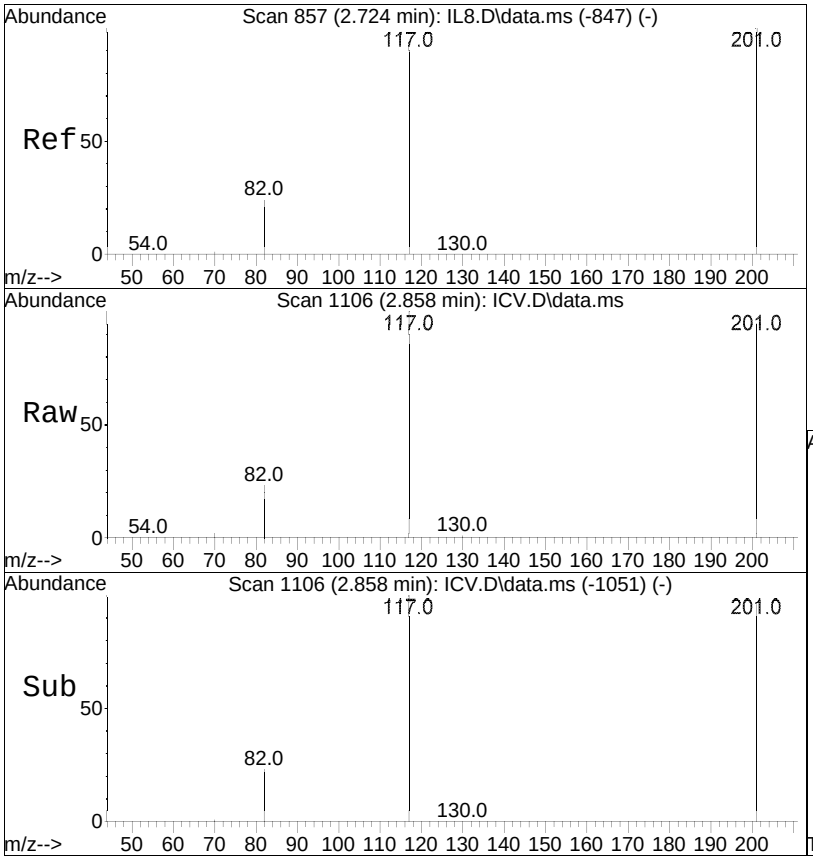


#6
n-nitrosodi-n-propylamine
Concen: 1001.31 ng/ml
RT: 2.794 min Scan# 1061
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion: 70 Resp: 32852

Ion	Ratio	Lower	Upper
70	100		
130	19.8	15.9	23.9

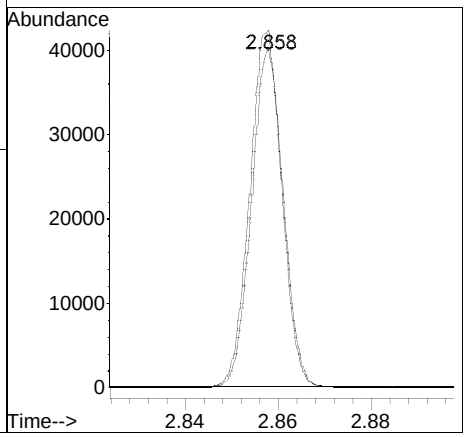


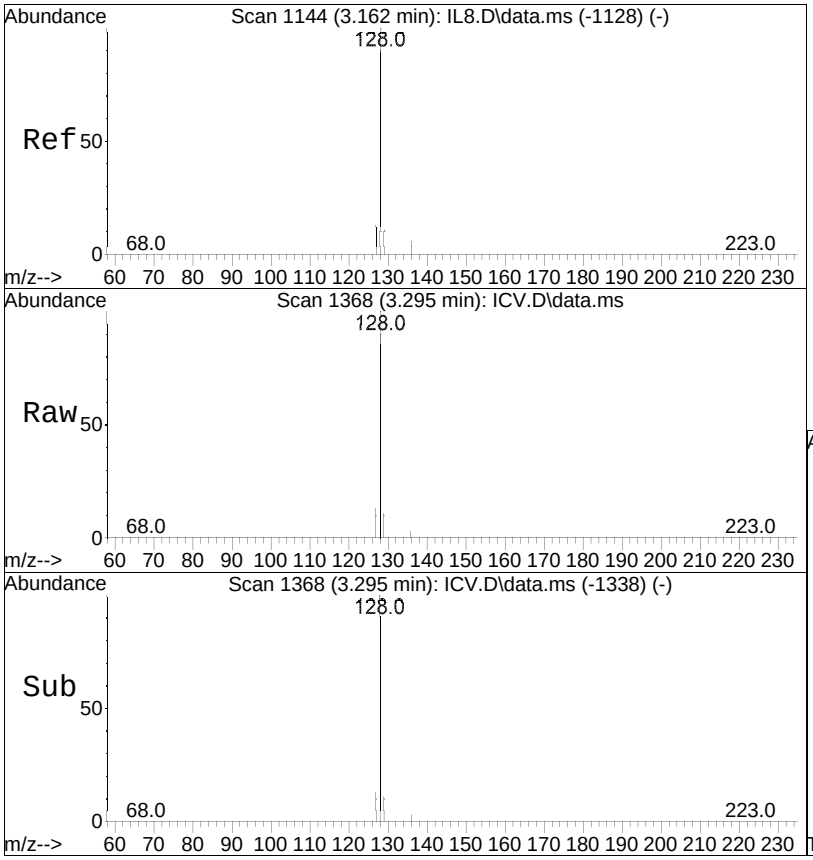


#7
Hexachloroethane
Concen: 984.72 ng/ml
RT: 2.858 min Scan# 1106
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:117 Resp: 19947

Ion	Ratio	Lower	Upper
117	100		
201	94.3	75.4	113.0

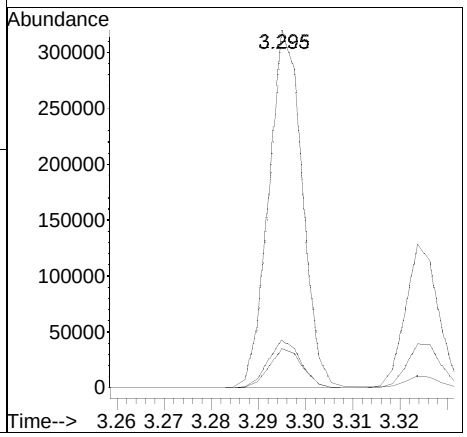


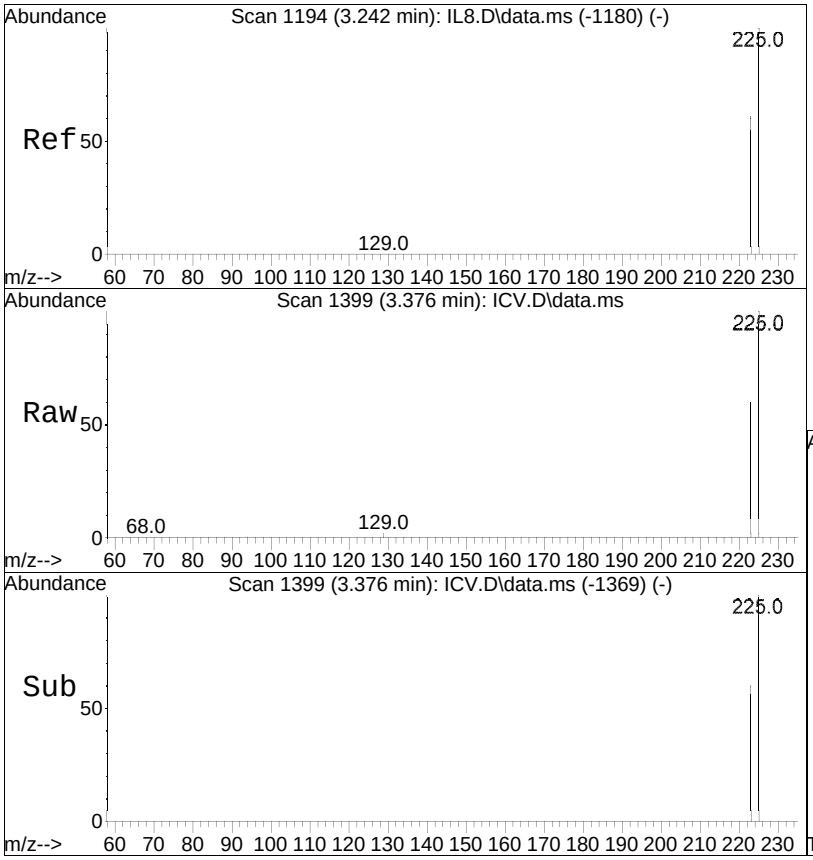


#10
Naphthalene
Concen: 986.95 ng/ml
RT: 3.295 min Scan# 1368
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:128 Resp: 157356

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.1	10.5	15.7

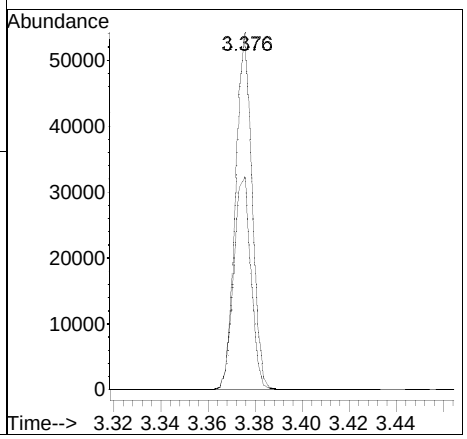


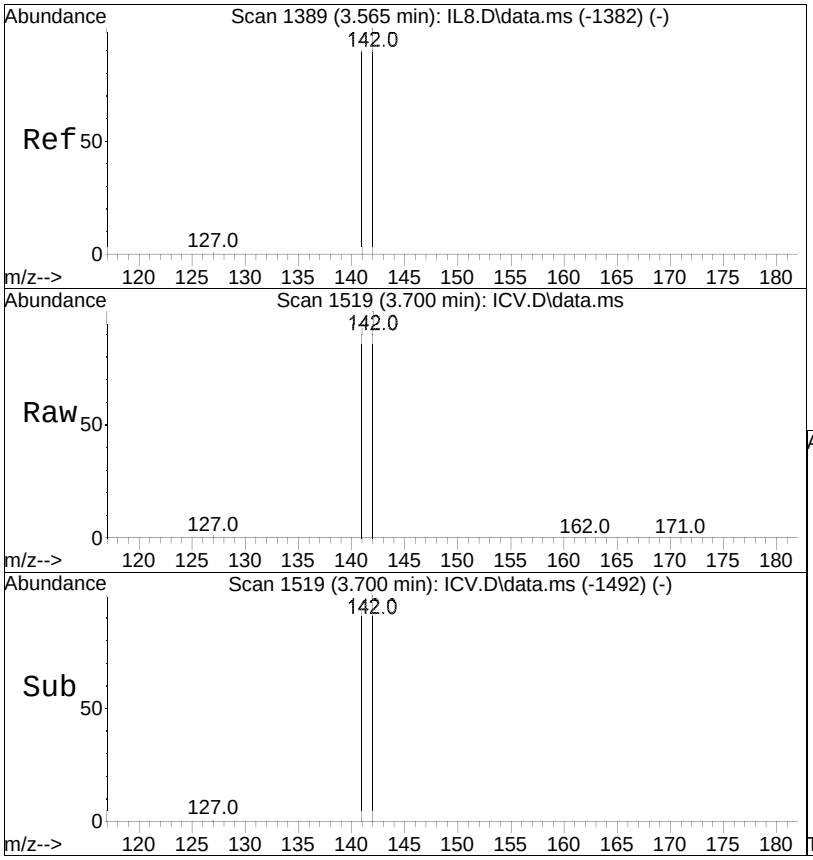


#11
Hexachlorobutadiene
Concen: 981.45 ng/ml
RT: 3.376 min Scan# 1399
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:225 Resp: 25747

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.7	76.1

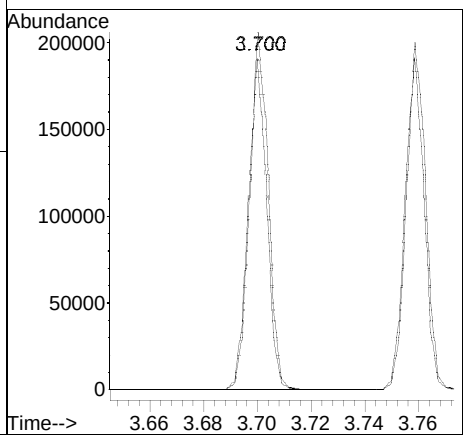


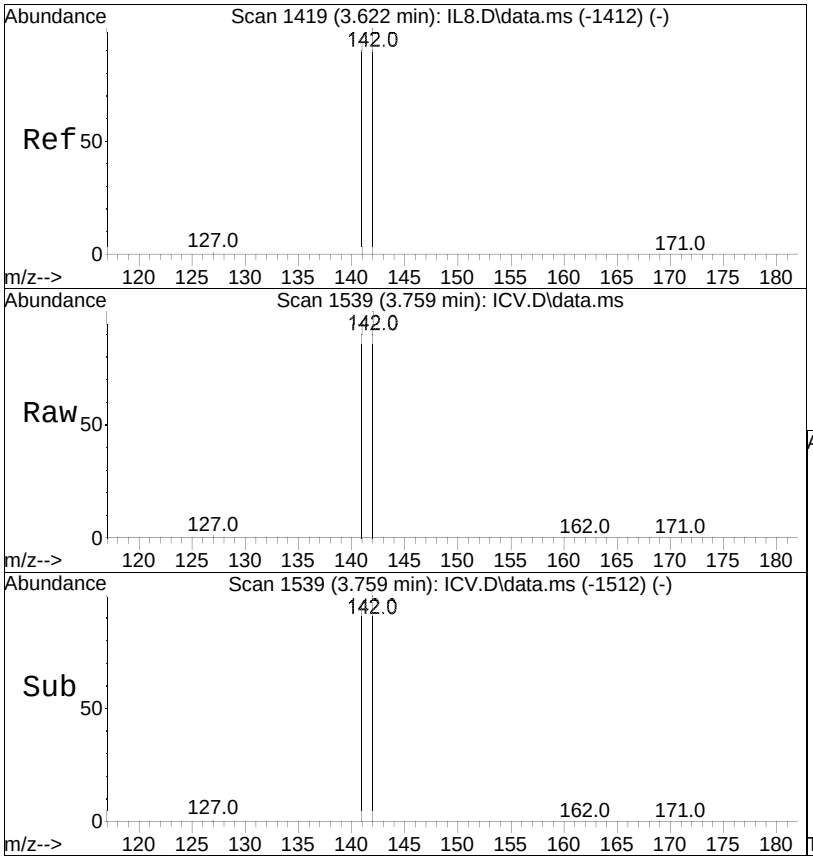


#12
2-Methylnaphthalene
Concen: 1007.50 ng/ml
RT: 3.700 min Scan# 1519
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:142 Resp: 99027

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.4	110.2

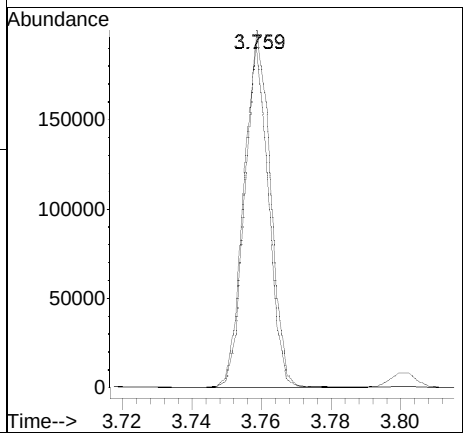


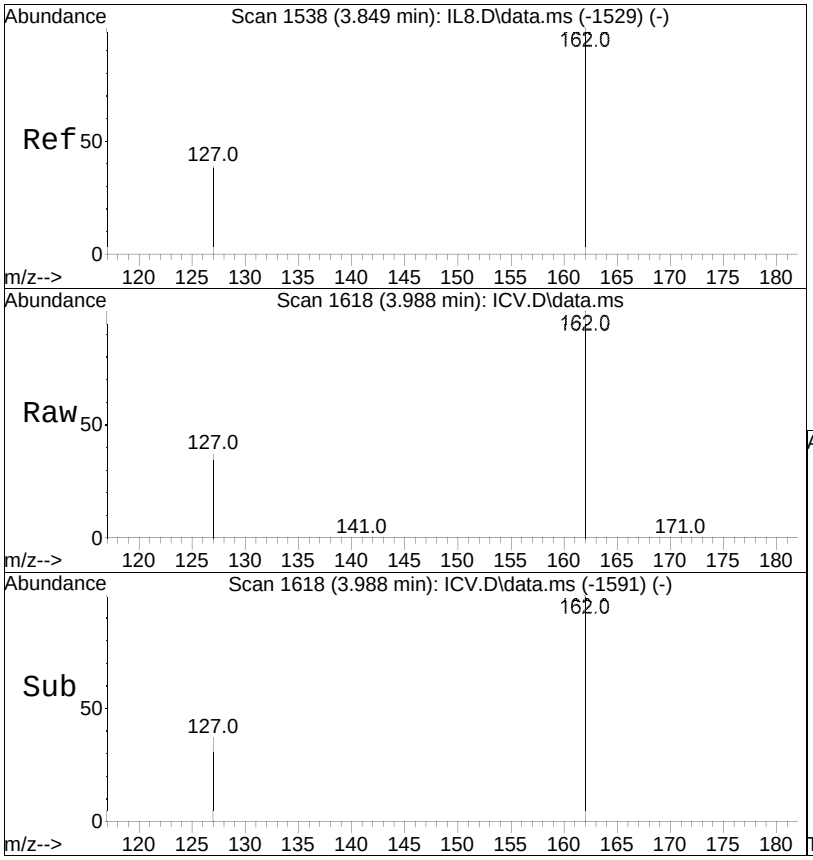


#13
1-Methylnaphthalene
Concen: 1001.67 ng/ml
RT: 3.759 min Scan# 1539
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:142 Resp: 99329

Ion	Ratio	Lower	Upper
142	100		
141	95.0	75.9	113.9

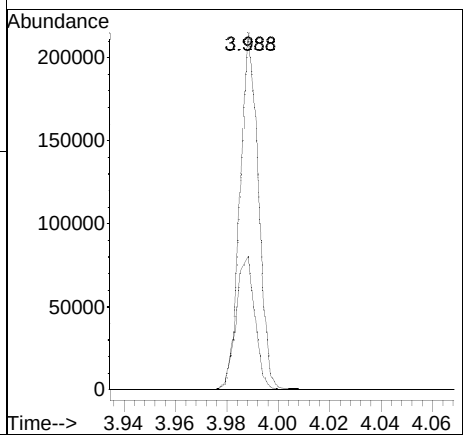


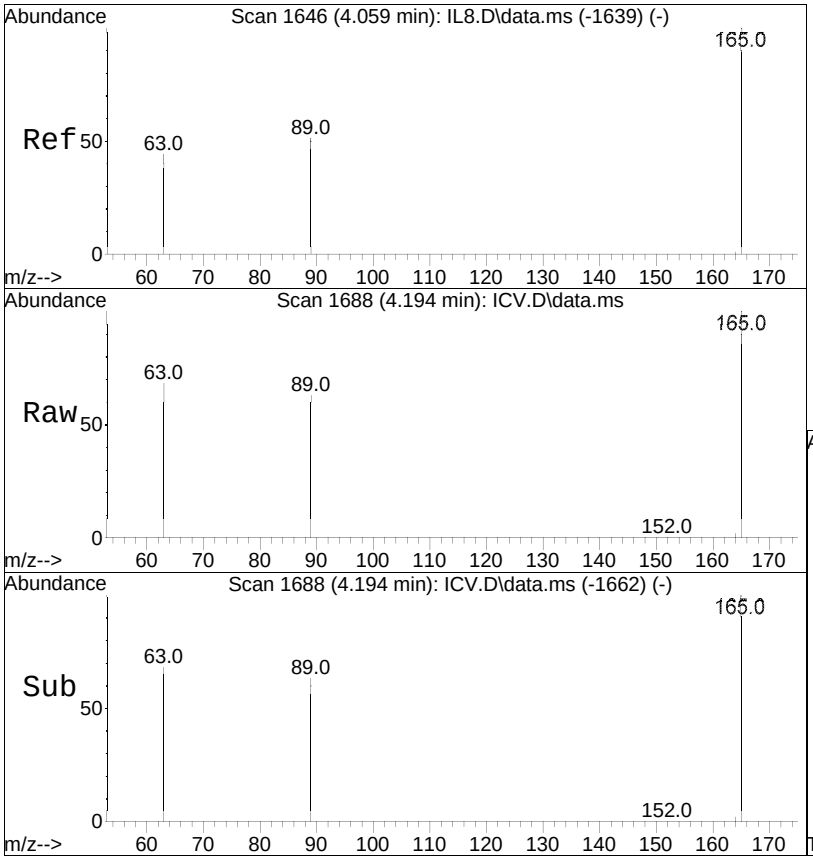


#15
2-Chloronaphthalene
Concen: 1002.68 ng/ml
RT: 3.988 min Scan# 1618
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:162 Resp: 104622

Ion	Ratio	Lower	Upper
162	100		
127	38.9	31.1	46.7

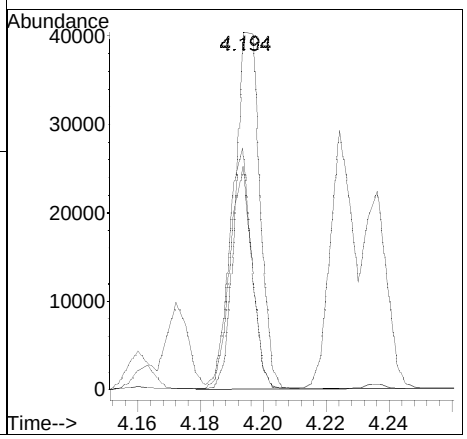


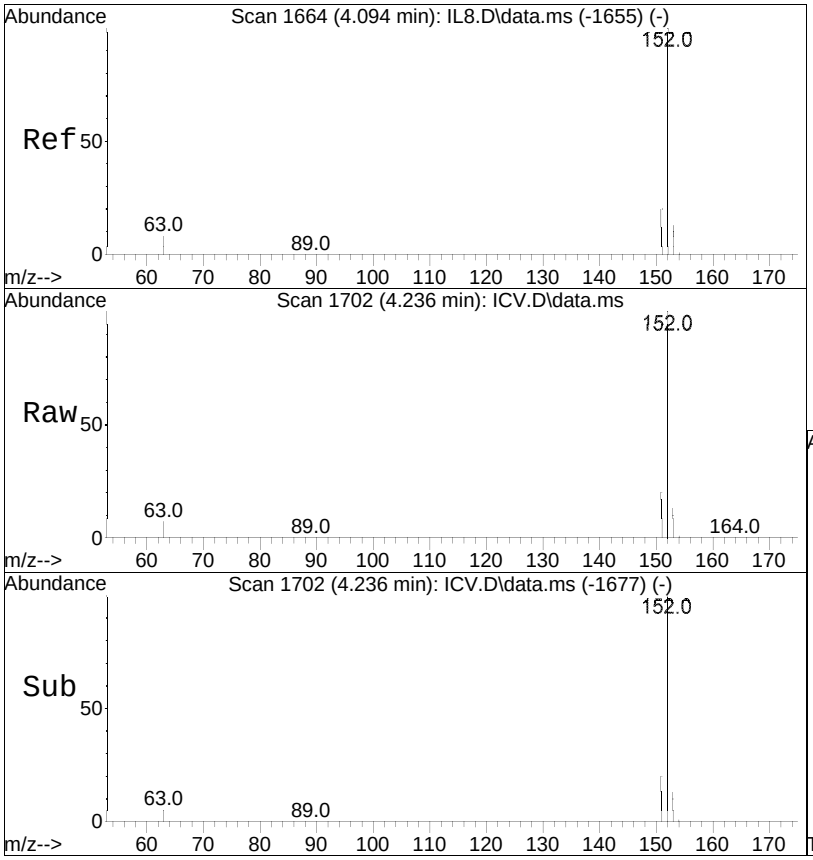


#16
2,6-Dinitrotoluene
Concen: 972.79 ng/ml
RT: 4.194 min Scan# 1688
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:165 Resp: 21747

Ion	Ratio	Lower	Upper
165	100		
89	57.8	45.8	68.6
63	62.8	50.6	76.0

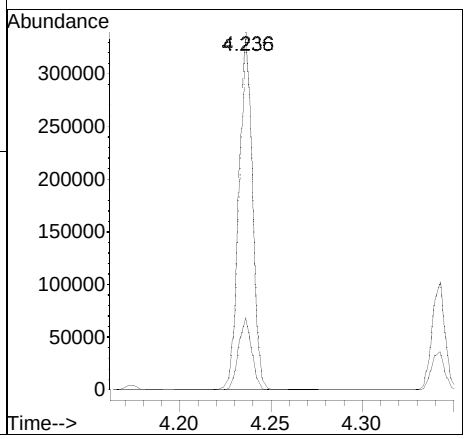


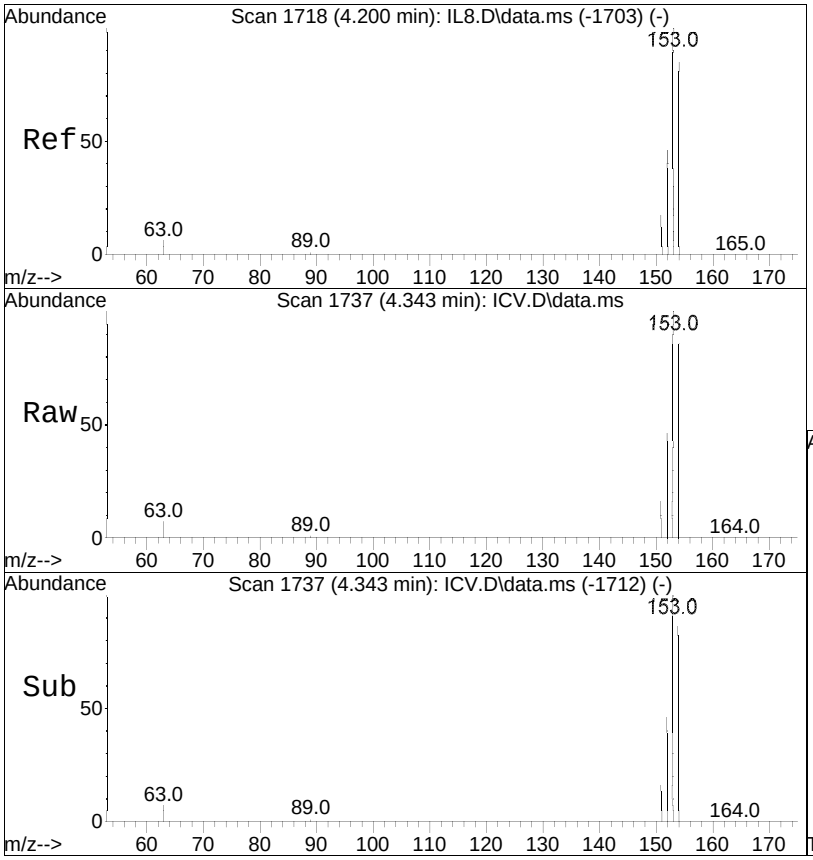


#17
Acenaphthylene
Concen: 1043.93 ng/ml
RT: 4.236 min Scan# 1702
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:152 Resp: 172864

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9

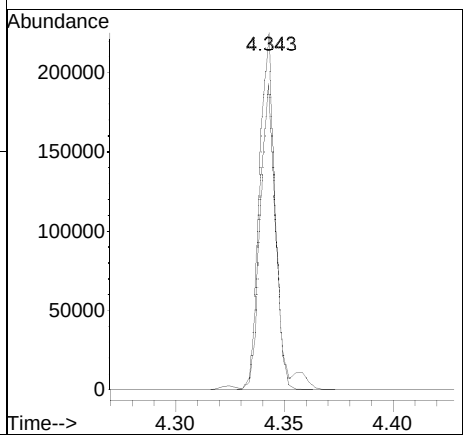


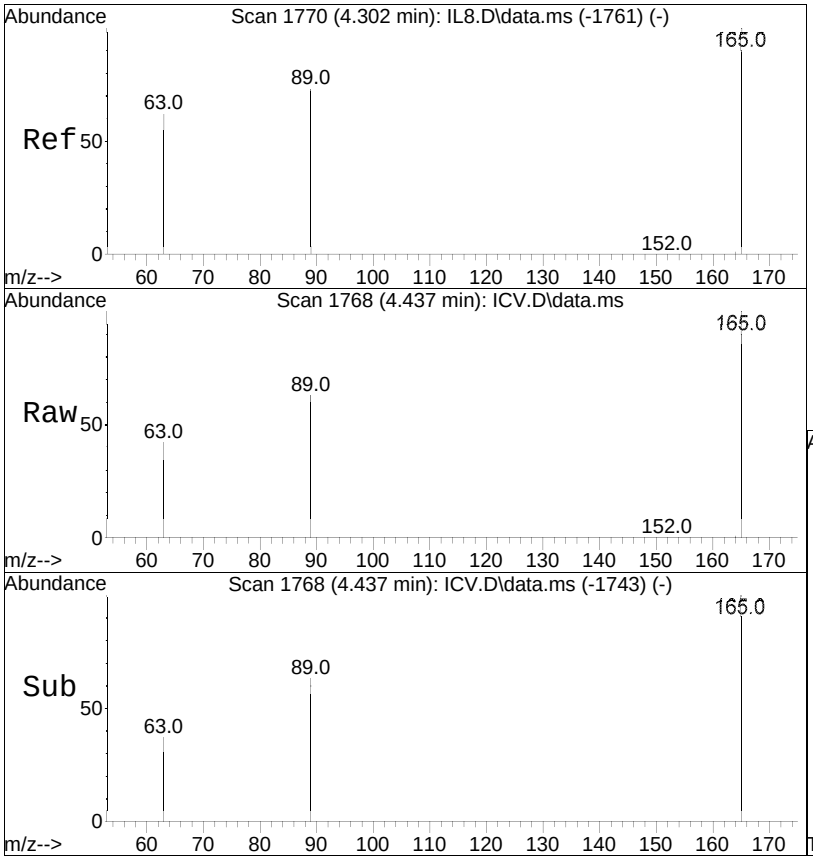


#19
Acenaphthene
Concen: 1003.86 ng/ml
RT: 4.343 min Scan# 1737
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:153 Resp: 108457

Ion	Ratio	Lower	Upper
153	100		
154	89.8	72.6	108.8

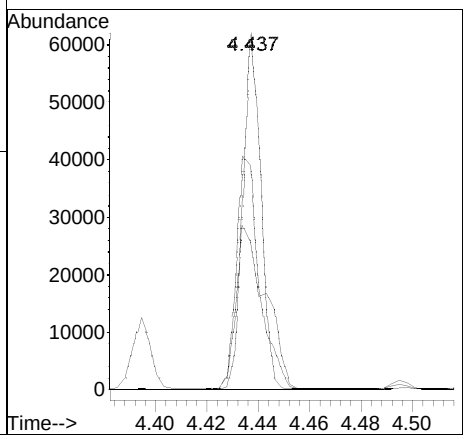


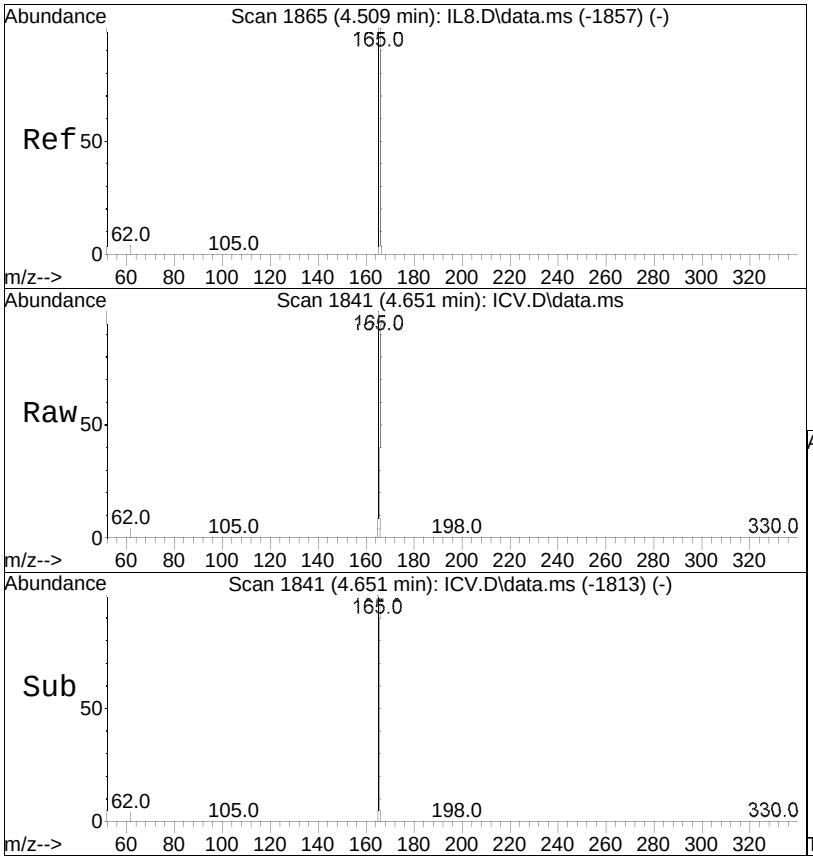


#20
2,4-Dinitrotoluene
Concen: 1070.45 ng/ml
RT: 4.437 min Scan# 1768
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:165 Resp: 29709

Ion	Ratio	Lower	Upper
165	100		
89	84.3	67.8	101.6
63	74.9	59.1	88.7

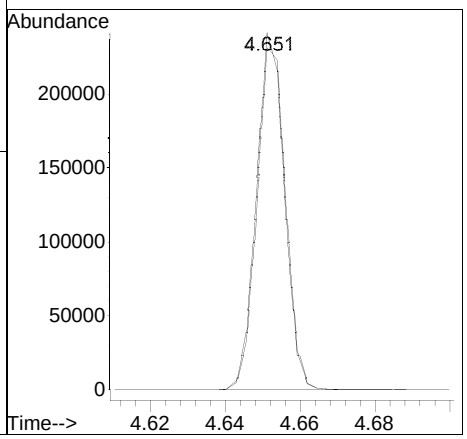


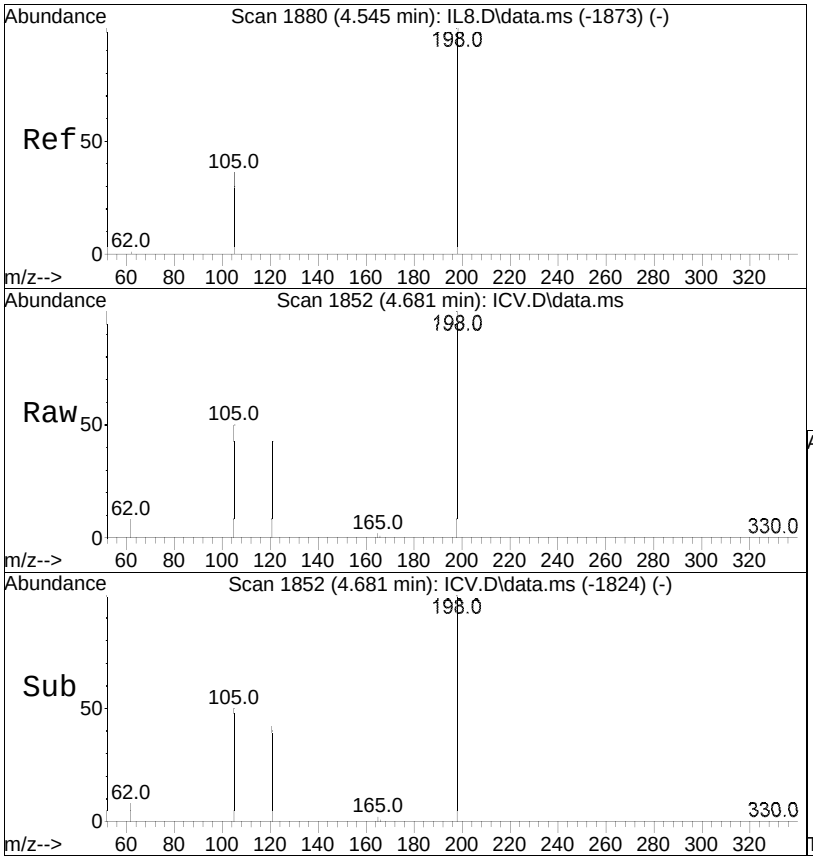


#21
Fluorene
Concen: 995.98 ng/ml
RT: 4.651 min Scan# 1841
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:166 Resp: 123569

Ion	Ratio	Lower	Upper
166	100		
165	101.3	81.6	122.4

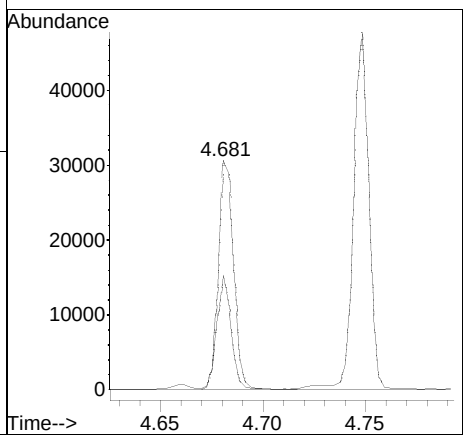


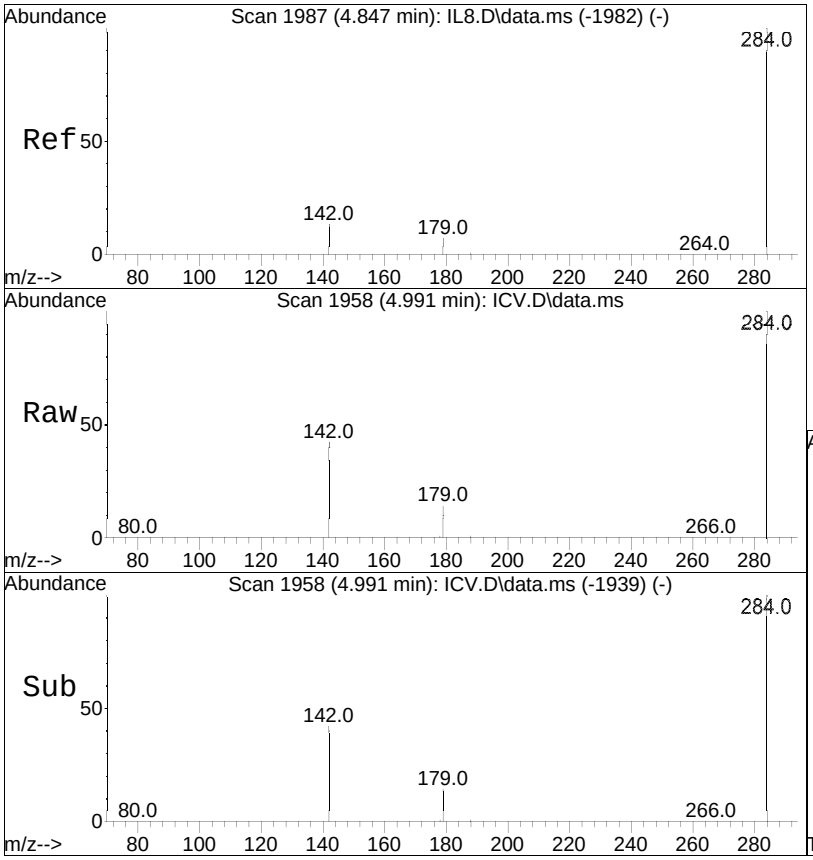


#24
4,6-Dinitro-o-cresol
Concen: 841.08 ng/ml
RT: 4.681 min Scan# 1852
Delta R.T. -0.005 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:198 Resp: 15861

Ion	Ratio	Lower	Upper
198	100		
105	45.4	36.4	54.6

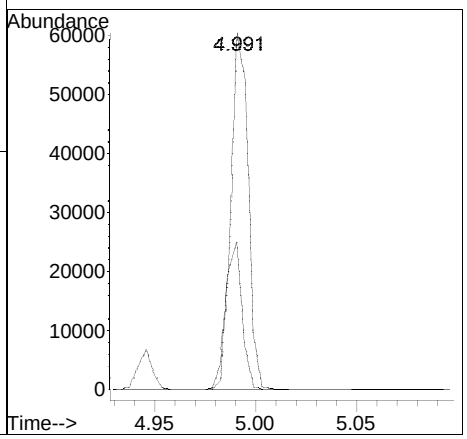


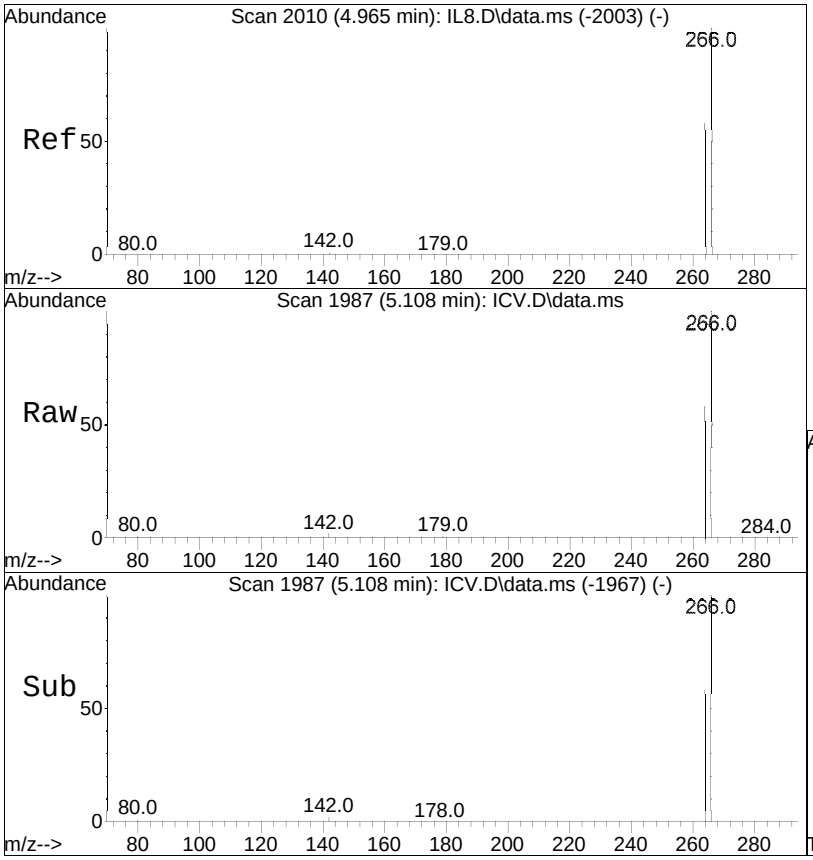


#25
Hexachlorobenzene
Concen: 968.22 ng/ml
RT: 4.991 min Scan# 1958
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:284 Resp: 35159

Ion	Ratio	Lower	Upper
284	100		
142	39.8	31.1	46.7

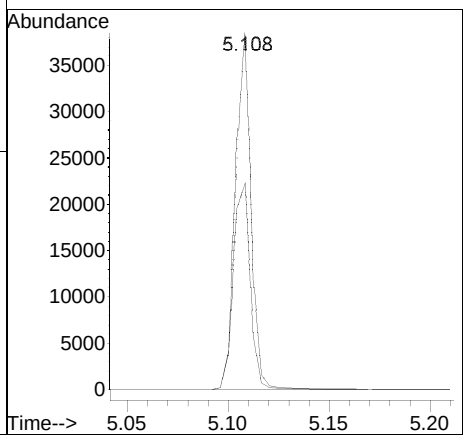


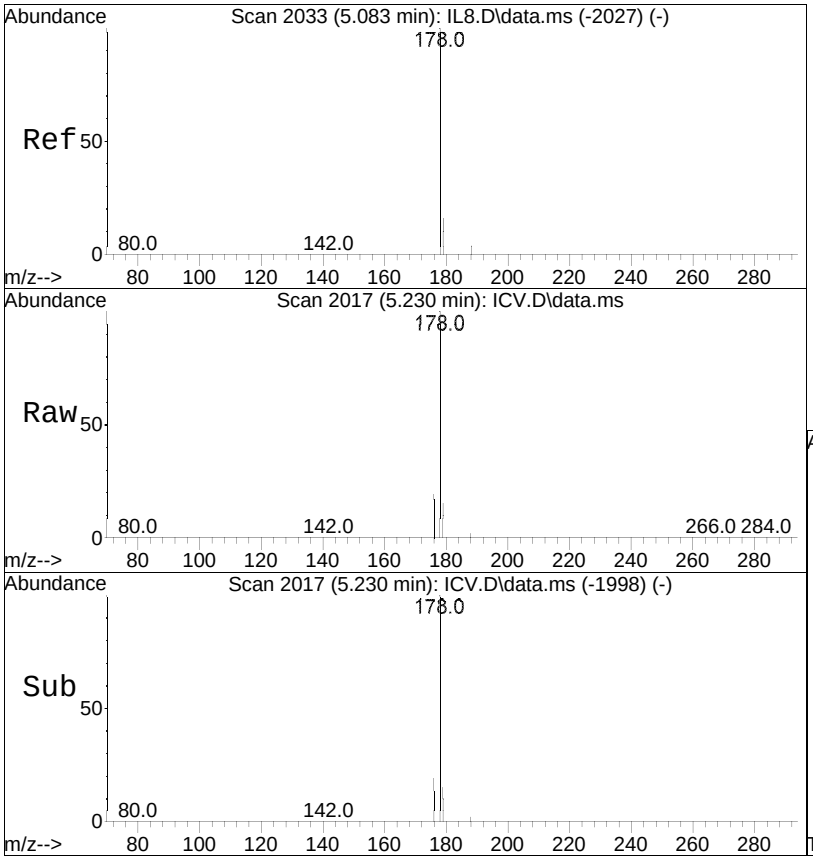


#26
Pentachlorophenol
Concen: 934.14 ng/ml
RT: 5.108 min Scan# 1987
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:266 Resp: 20464

Ion	Ratio	Lower	Upper
266	100		
264	63.4	51.0	76.4

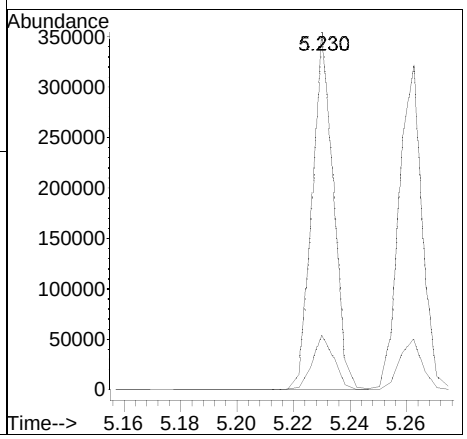


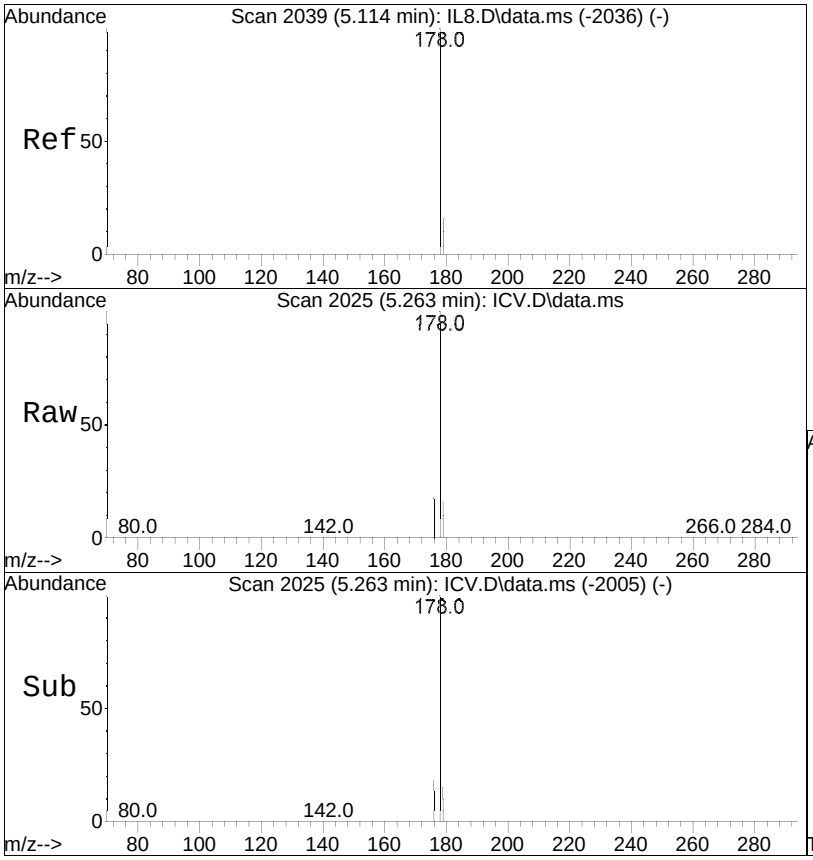


#27
Phenanthrene
Concen: 1002.42 ng/ml
RT: 5.230 min Scan# 2017
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:178 Resp: 185937

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6

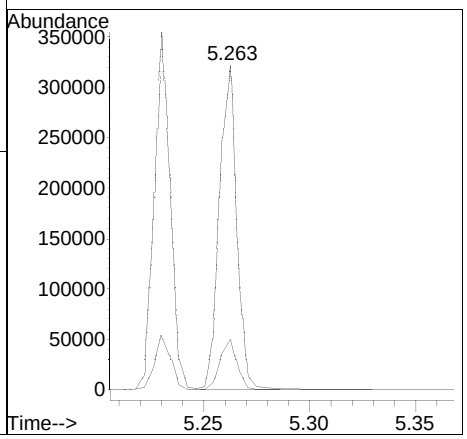


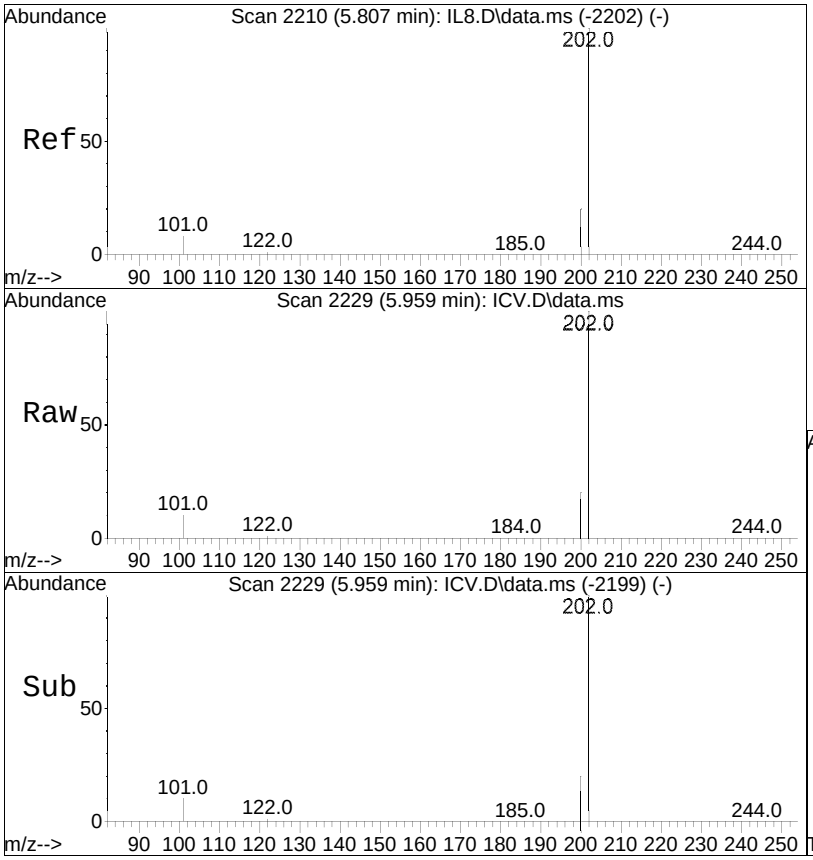


#28
Anthracene
Concen: 1013.15 ng/ml
RT: 5.263 min Scan# 2025
Delta R.T. -0.000 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:178 Resp: 184387

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5

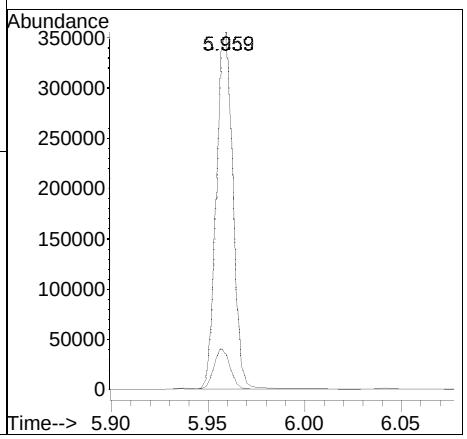


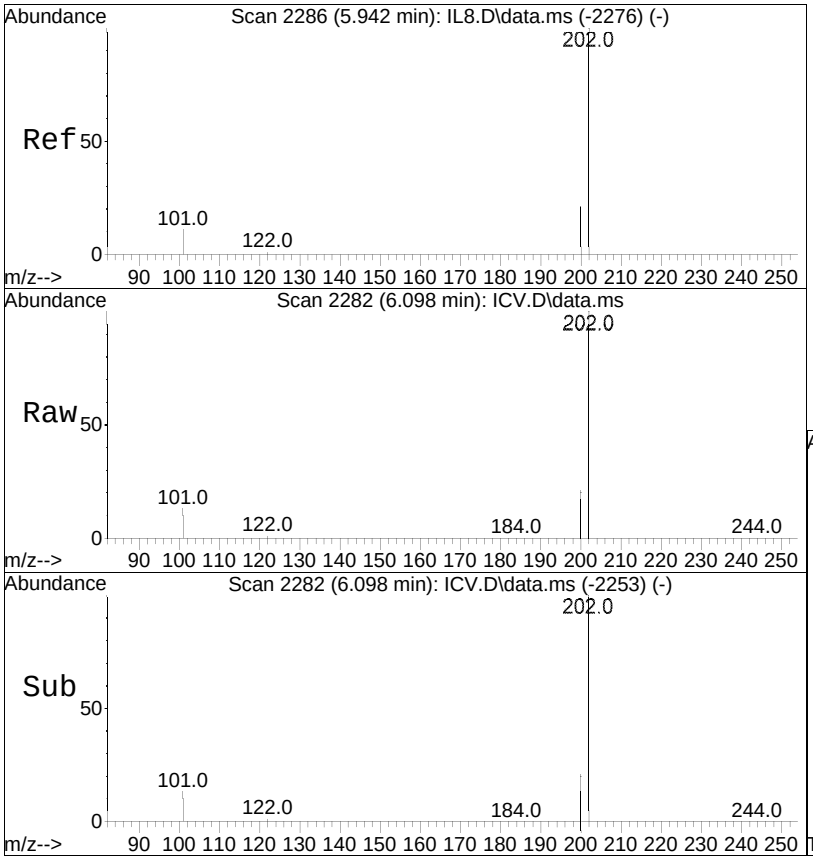


#29
Fluoranthene
Concen: 1006.34 ng/ml
RT: 5.959 min Scan# 2229
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:202 Resp: 207934

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.1	13.7

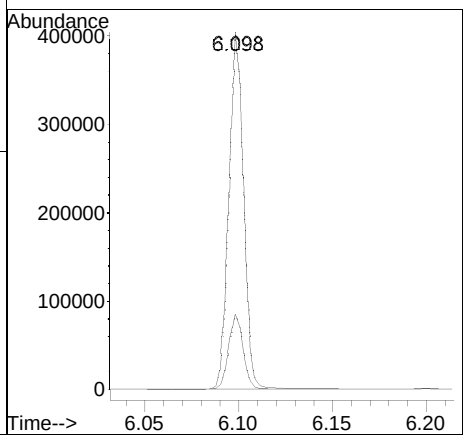


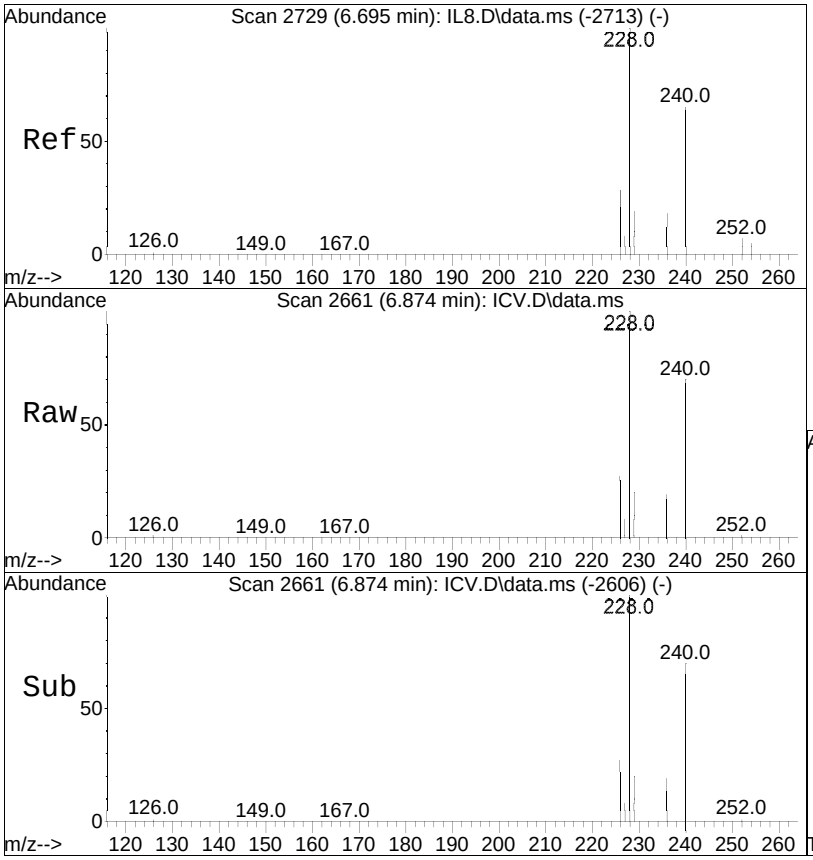


#30
Pyrene
Concen: 1004.47 ng/ml
RT: 6.098 min Scan# 2282
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:202 Resp: 215926

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2

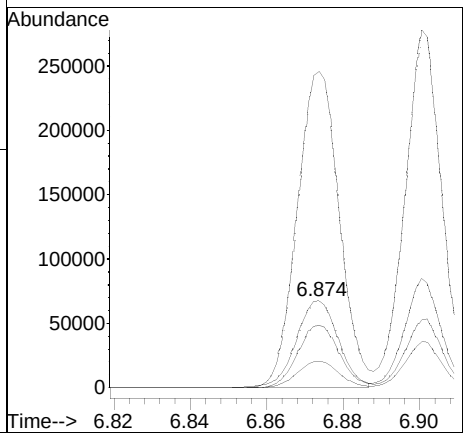


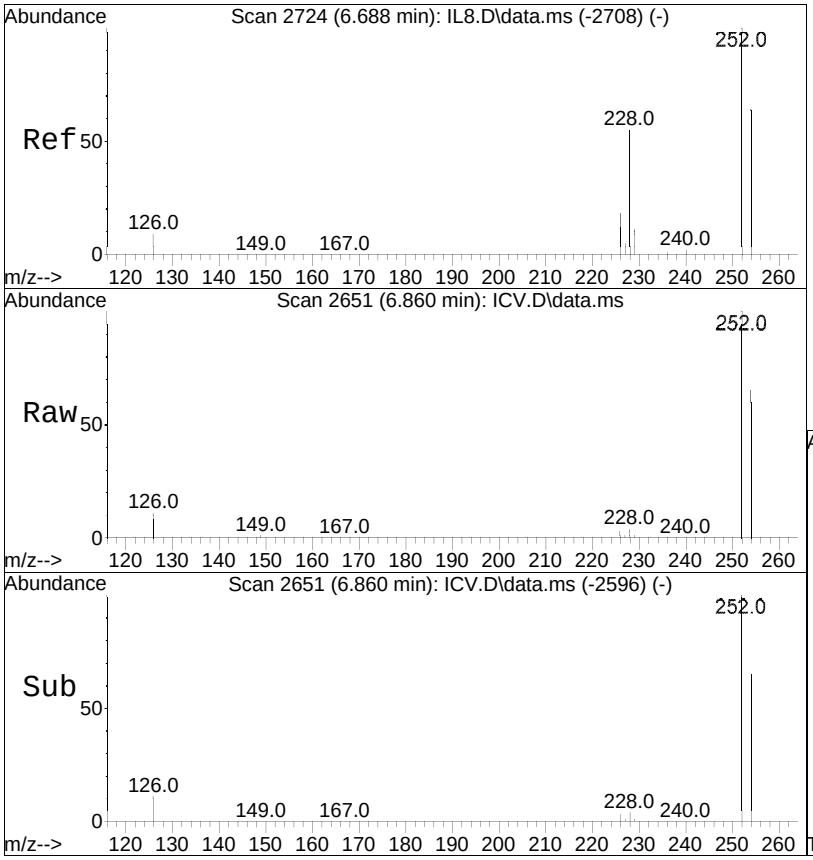


#33
Benzo[a]anthracene
Concen: 921.42 ng/ml
RT: 6.874 min Scan# 2661
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:226 Resp: 51862

Ion	Ratio	Lower	Upper
226	100		
227	30.2	24.1	36.1
228	362.6	288.2	432.2
229	71.0	56.6	84.8

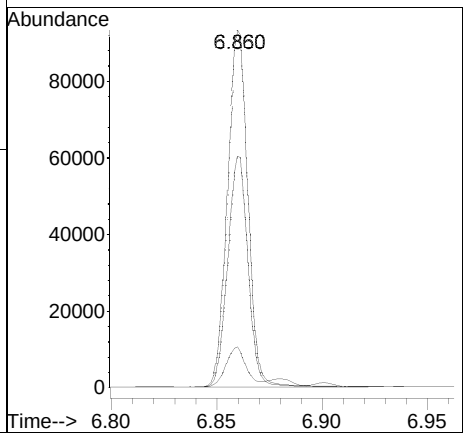


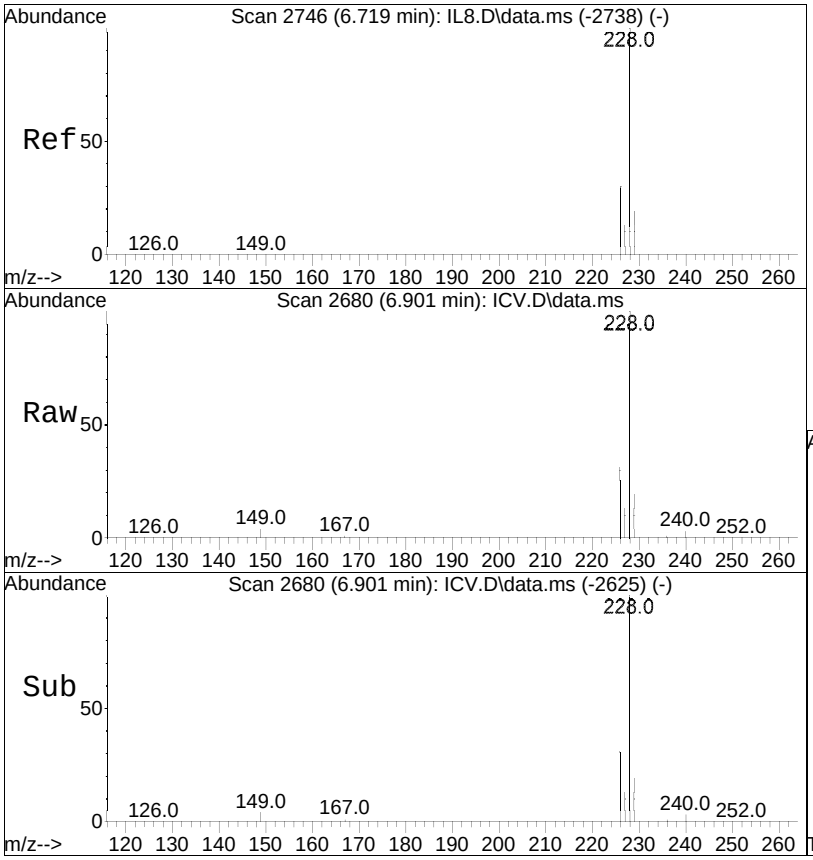


#34
3,3'-Dichlorobenzidine
Concen: 1000.57 ng/ml
RT: 6.860 min Scan# 2651
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:252 Resp: 61542

Ion	Ratio	Lower	Upper
252	100		
126	11.4	9.0	13.6
254	64.4	51.5	77.3

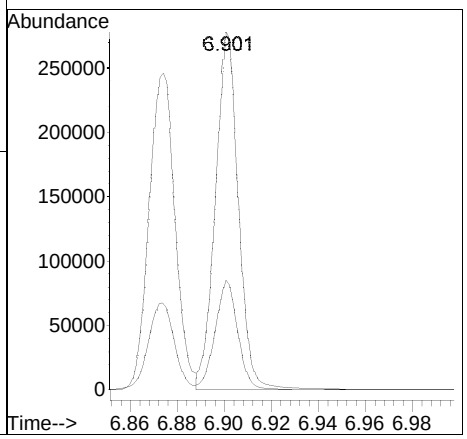


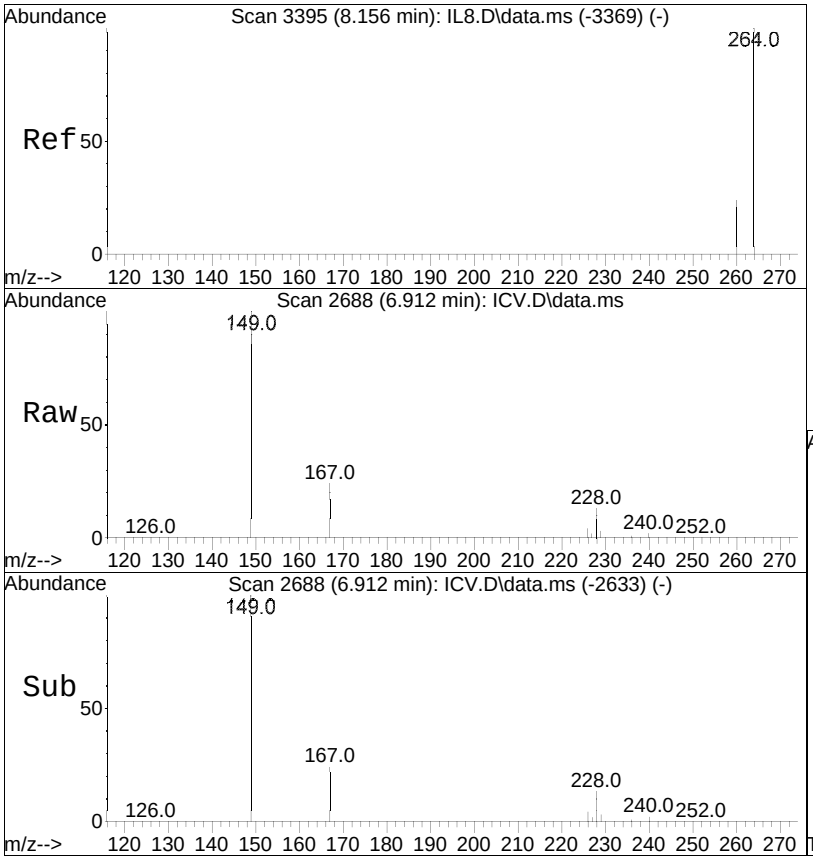


#35
Chrysene
Concen: 1003.21 ng/ml
RT: 6.901 min Scan# 2680
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:228 Resp: 187499

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.1	36.1

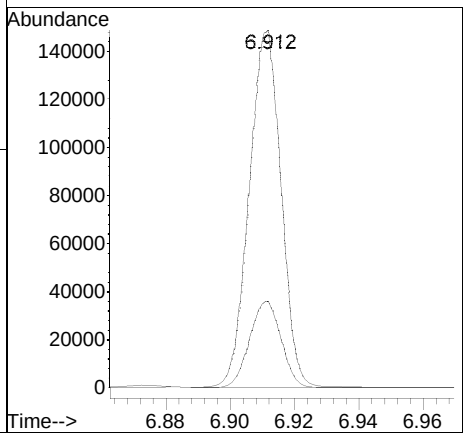


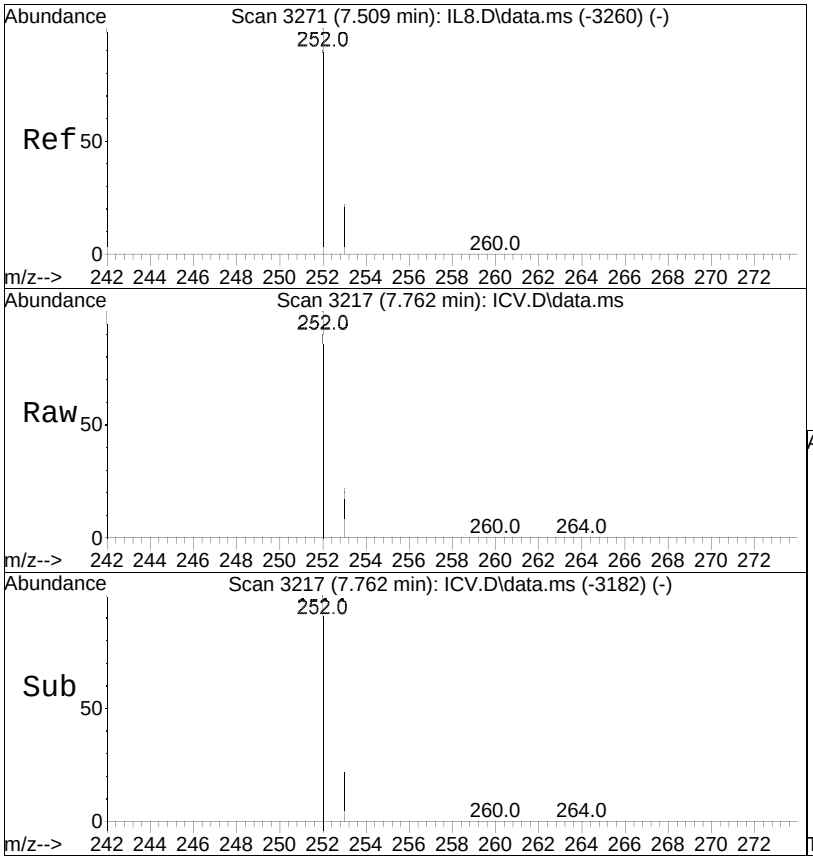


#36
Bis(2-ethylhexyl)phthalate
Concen: 896.60 ng/ml
RT: 6.912 min Scan# 2688
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:149 Resp: 100560

Ion	Ratio	Lower	Upper
149	100		
167	24.0	19.3	28.9

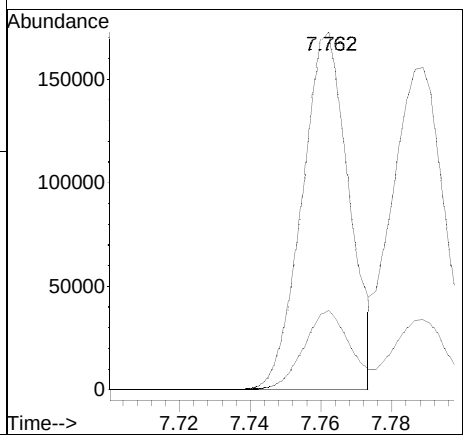


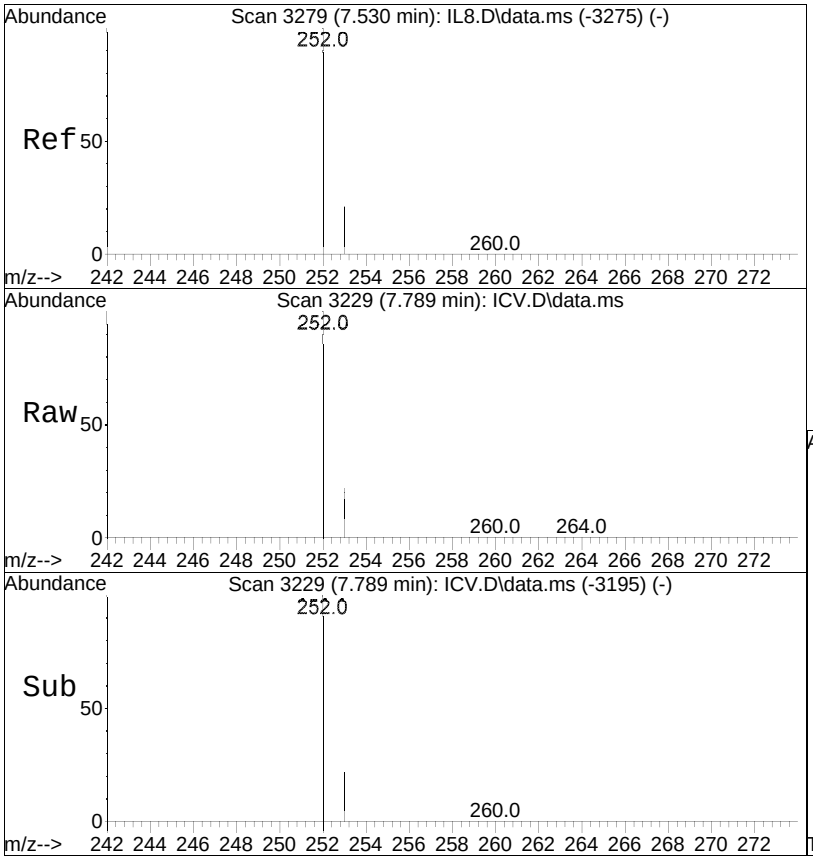


#38
Benzo[b]fluoranthene
Concen: 985.86 ng/ml
RT: 7.762 min Scan# 3217
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:252 Resp: 158563

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.3	25.9

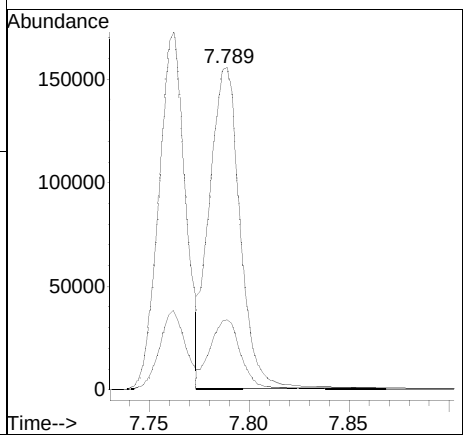


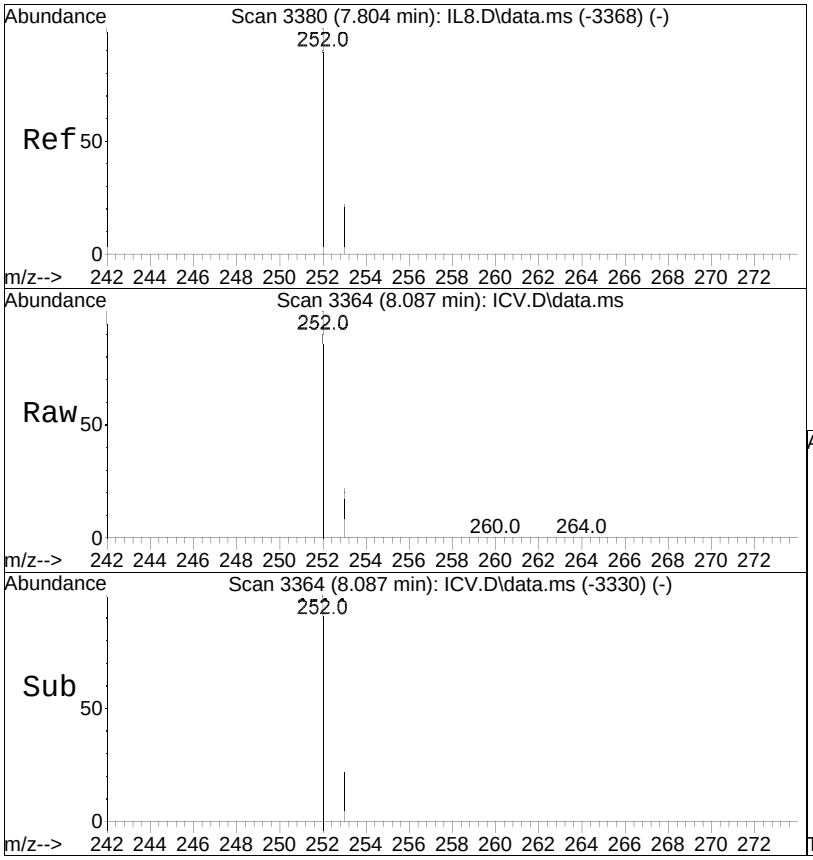


#39
Benzo[k]fluoranthene
Concen: 1037.06 ng/ml
RT: 7.789 min Scan# 3229
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:252 Resp: 166296

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.5	26.3

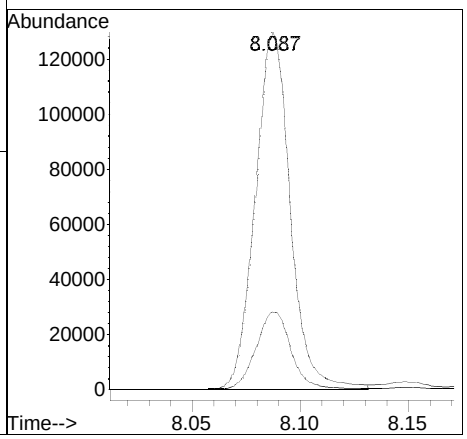


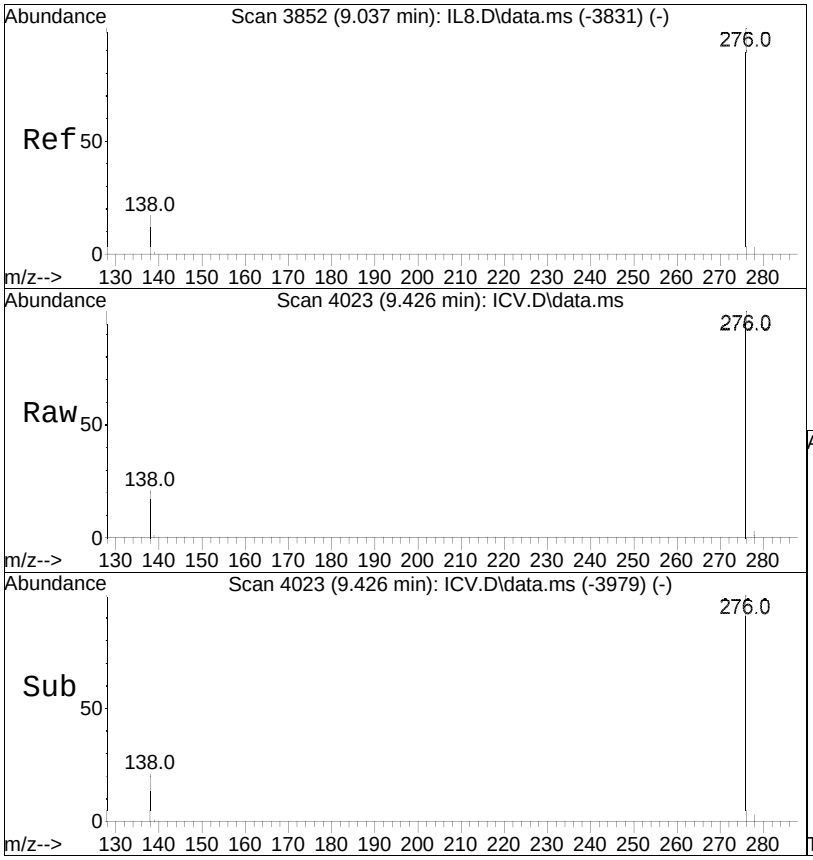


#40
Benzo[a]pyrene
Concen: 1011.58 ng/ml
RT: 8.087 min Scan# 3364
Delta R.T. -0.005 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:252 Resp: 143650

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0

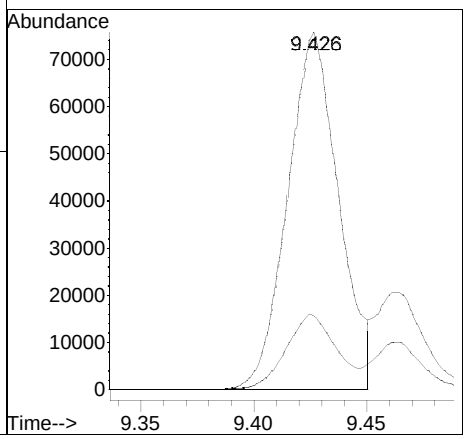


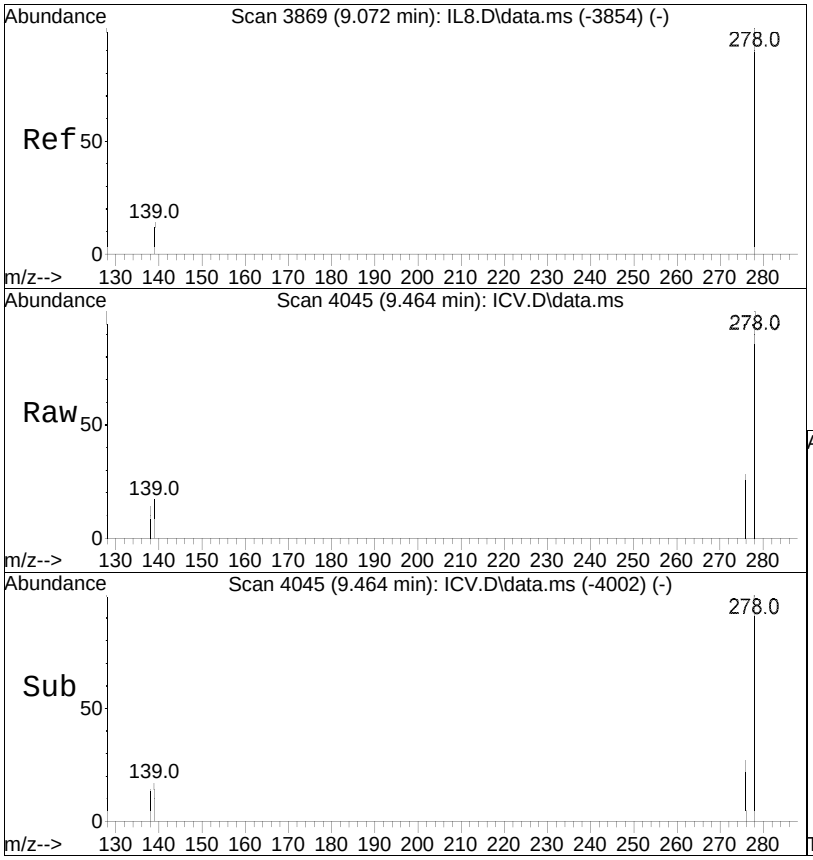


#41
Indeno[1,2,3-cd]pyrene
Concen: 999.42 ng/ml
RT: 9.426 min Scan# 4023
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:276 Resp: 117609

Ion	Ratio	Lower	Upper
276	100		
138	21.0	16.4	24.6

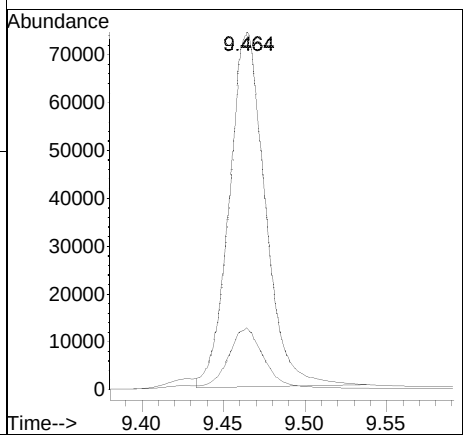


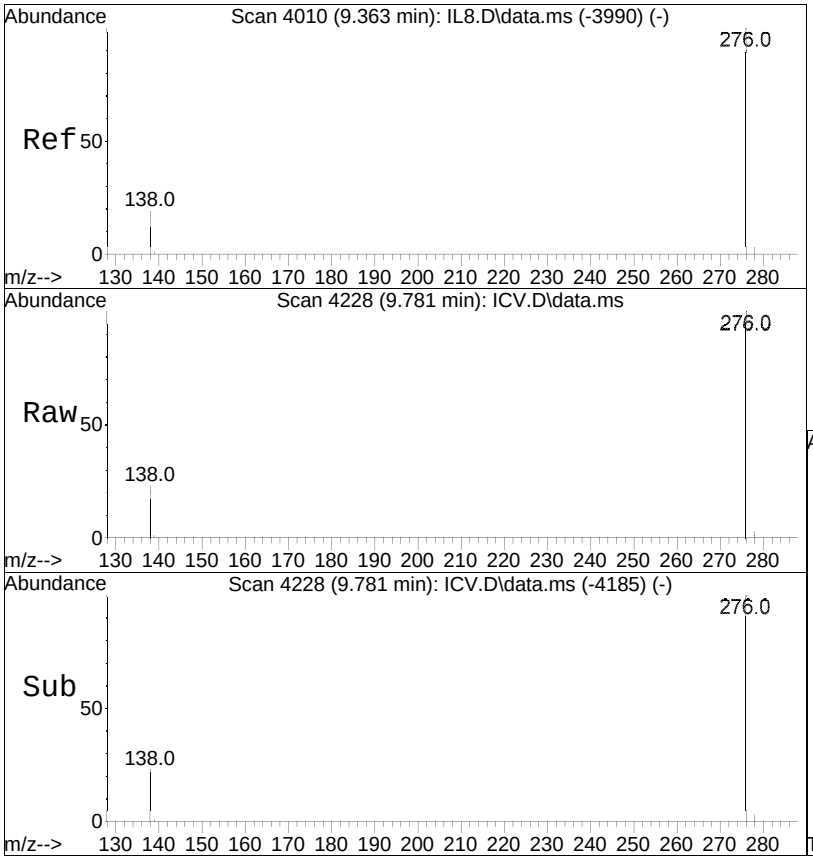


#42
Dibenzo[a,h]anthracene
Concen: 1041.04 ng/ml
RT: 9.464 min Scan# 4045
Delta R.T. -0.006 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:278 Resp: 113319

Ion	Ratio	Lower	Upper
278	100		
139	17.1	13.5	20.3

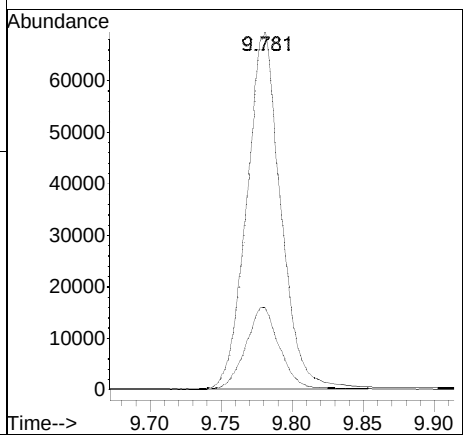




#43
Benzo[g,h,i]perylene
Concen: 985.82 ng/ml
RT: 9.781 min Scan# 4228
Delta R.T. -0.005 min
Lab File: ICV.D
Acq: 14 Nov 2025 03:20 pm

Tgt Ion:276 Resp: 114081

Ion	Ratio	Lower	Upper
276	100		
138	23.1	18.4	27.6



Manual Integration Report

Data Path	: I:\8270SIM\sv119\251114RVTQ	Method	: SIM-RVT_251114_sv119.M
Data File	: ICV.D	Operator	: sv119:rp
Date Inj'd	: 11/14/2025 3:20 pm	Instrument	: SV119
Sample	: CQICV,32,, 1.000 Lot #1203	Quant Date	: 11/18/2025 4:41 pm

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

Evaluate Relative Error Report SV119

Method Path : I:\8270SIM\sv119\251114RVTical\
Method File : SIM-RVT_251114_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Nov 18 16:40:51 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
24 T	4,6-Dinitro-o-cresol	L	ng/ml	1000.0	876.577	-12.3	40.00	53.380	33.5
26 T	Pentachlorophenol	L	ng/ml	1000.0	914.963	-8.5	1.00	1.327	32.7

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
24 T	4,6-Dinitro-o-cresol	Linear	0.993224	0.000000	0.117783	-0.000905267
26 T	Pentachlorophenol	Linear	0.992339	0.000000	0.130882	0.000219914

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC		Lab Number	: L2575576	
Project Name	: 1000 TURK HILL RD GWS		Project Number	: 3113.0001Y000	
Instrument ID	: SV119		Calibration Date	: 11/29/25 11:16	
Lab File ID	: CCV1129		Init. Calib. Date(s)	: 11/14/25	11/14/25
Sample No	: WG2147402-3		Init. Calib. Times	: 12:11	15:01
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	118	0
N-Nitrosodimethylamine	0.746	0.635	.05	14.9	20	98	0
2-Fluorophenol	1.15	0.979	.05	14.9	20	102	0
Phenol-d6	1.407	1.232	.05	12.4	20	101	0
Bis(2-chloroethyl)ether	1.259	1.104	.05	12.3	20	105	0
n-nitrosodi-n-propylamine	0.834	0.77	.05	7.7	20	105	0
Hexachloroethane	0.515	0.477	.05	7.4	20	110	0
Nitrobenzene-d5	1.188	1.153	.05	2.9	20	110	0
Naphthalene-d8	1	1	.05	0	20	114	0
Naphthalene	1.037	0.935	.05	9.8	20	105	0
Hexachlorobutadiene	0.171	0.178	.05	-4.1	20	121	0
2-Methylnaphthalene	0.639	0.6	.05	6.1	20	107	0
1-Methylnaphthalene	0.645	0.606	.05	6	20	107	0
2-Fluorobiphenyl	0.799	0.777	.05	2.8	20	111	0
2-Chloronaphthalene	0.678	0.659	.05	2.8	20	110	0
2,6-Dinitrotoluene	0.145	0.156	.05	-7.6	20	117	0
Acenaphthylene	1.077	1.058	.05	1.8	20	108	0
Acenaphthene-d10	1	1	.05	0	20	119	0
Acenaphthene	1.335	1.21	.05	9.4	20	108	0
2,4-Dinitrotoluene	0.343	0.387	.05	-12.8	20	118	0
Fluorene	1.533	1.384	.05	9.7	20	107	0
2,4,6-Tribromophenol	0.172	0.186	.05	-8.1	20	125	0
Phenanthrene-d10	1	1	.05	0	20	115	0
4,6-Dinitro-o-cresol	1000	943.894	.05	5.6	20	124	0
Hexachlorobenzene	0.219	0.218	.05	0.5	20	118	0
Pentachlorophenol	1000	851.358	.05	14.9	20	107	0
Phenanthrene	1.116	0.997	.05	10.7	20	103	0
Anthracene	1.095	1.023	.05	6.6	20	106	0
Fluoranthene	1.243	1.105	.05	11.1	20	102	0
Pyrene	1.294	1.127	.05	12.9	20	100	0
4-Terphenyl-d14	0.865	0.753	.05	12.9	20	99	0
Chrysene-d12	1	1	.05	0	20	109	0
Benzo[a]anthracene	0.387	0.334	.05	13.7	20	100	0
3,3'-Dichlorobenzidine	0.423	0.437	.05	-3.3	20	107	0
Chrysene	1.286	1.132	.05	12	20	96	0
Bis(2-ethylhexyl)phthalate	0.772	0.767	.05	0.6	20	118	0
Perylene-d12	1	1	.05	0	20	116	0
Benzo[b]fluoranthene	1.283	1.148	.05	10.5	20	104	0
Benzo[k]fluoranthene	1.279	1.178	.05	7.9	20	104	0
Benzo[a]pyrene	1.133	1.046	.05	7.7	20	106	0
Indeno[1,2,3-cd]pyrene	0.939	0.968	.05	-3.1	20	117	0
Dibenzo[a,h]anthracene	0.868	0.956	.05	-10.1	20	120	0
Benzo[g,h,i]perylene	0.923	0.929	.05	-0.7	20	113	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\251129RVT\
Data File : ccv1129.D
Acq On : 29 Nov 2025 11:16 am
Operator : sv119:jjw
Sample : WG2147402-3,32,,CCV 12036 (1123a)
Misc : WG2147402,,ical22823
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Nov 29 11:31:25 2025
Quant Method : I:\8270SIM\sv119\251129RVT\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 11:32:00 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	118	0.00
2	T	N-Nitrosodimethylamine	0.746	0.635	14.9	98	0.00
3	s	2-Fluorophenol	1.150	0.979	14.9	102	0.00
4	s	Phenol-d6	1.407	1.232	12.4	101	0.00
5	T	Bis(2-chloroethyl)ether	1.259	1.104	12.3	105	0.00
6	T	n-nitrosodi-n-propylamine	0.834	0.770	7.7	105	0.00
7	t	Hexachloroethane	0.515	0.477	7.4	110	0.00
8	s	Nitrobenzene-d5	1.188	1.153	2.9	110	0.00
9	i	Naphthalene-d8	1.000	1.000	0.0	114	0.00
10	t	Naphthalene	1.037	0.935	9.8	105	0.00
11	t	Hexachlorobutadiene	0.171	0.178	-4.1	121	0.00
12	t	2-Methylnaphthalene	0.639	0.600	6.1	107	0.00
13	t	1-Methylnaphthalene	0.645	0.606	6.0	107	0.00
14	s	2-Fluorobiphenyl	0.799	0.777	2.8	111	0.00
15	t	2-Chloronaphthalene	0.678	0.659	2.8	110	0.00
16	t	2,6-Dinitrotoluene	0.145	0.156	-7.6	117	0.00
17	t	Acenaphthylene	1.077	1.058	1.8	108	0.00
18	i	Acenaphthene-d10	1.000	1.000	0.0	119	0.00
19	t	Acenaphthene	1.335	1.210	9.4	108	0.00
20	t	2,4-Dinitrotoluene	0.343	0.387	-12.8	118	0.00
21	t	Fluorene	1.533	1.384	9.7	107	0.00
22	s	2,4,6-Tribromophenol	0.172	0.186	-8.1	125	0.00
23	i	Phenanthrene-d10	1.000	1.000	0.0	115	0.00
24	T	4,6-Dinitro-o-cresol	*1000.000	943.894	5.6	124	0.00
25	t	Hexachlorobenzene	0.219	0.218	0.5	118	0.00
26	t	Pentachlorophenol	*1000.000	851.358	14.9	107	0.00
27	t	Phenanthrene	1.116	0.997	10.7	103	0.00
28	t	Anthracene	1.095	1.023	6.6	106	0.00
29	t	Fluoranthene	1.243	1.105	11.1	102	0.00
30	t	Pyrene	1.294	1.127	12.9	100	0.00
31	s	4-Terphenyl-d14	0.865	0.753	12.9	99	0.00
32	i	Chrysene-d12	1.000	1.000	0.0	109	0.00
33	t	Benzo[a]anthracene	0.387	0.334	13.7	100	0.00
34	t	3,3'-Dichlorobenzidine	0.423	0.437	-3.3	107	0.00
35	t	Chrysene	1.286	1.132	12.0	96	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\251129RVT\
Data File : ccv1129.D
Acq On : 29 Nov 2025 11:16 am
Operator : sv119:jjw
Sample : WG2147402-3,32,,CCV 12036 (1123a)
Misc : WG2147402,,ical22823
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Nov 29 11:31:25 2025
Quant Method : I:\8270SIM\sv119\251129RVT\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 11:32:00 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	T	Bis(2-ethylhexyl)phthalate	0.772	0.767	0.6	118	0.00
37	i	Perylene-d12	1.000	1.000	0.0	116	0.00
38	t	Benzo[b]fluoranthene	1.283	1.148	10.5	104	0.00
39	t	Benzo[k]fluoranthene	1.279	1.178	7.9	104	0.00
40	t	Benzo[a]pyrene	1.133	1.046	7.7	106	0.00
41	t	Indeno[1,2,3-cd]pyrene	0.939	0.968	-3.1	117	0.00
42	t	Dibenzo[a,h]anthracene	0.868	0.956	-10.1	120	0.00
43	t	Benzo[g,h,i]perylene	0.923	0.929	-0.7	113	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251129RVT\
Data File : ccv1129.D
Acq On : 29 Nov 2025 11:16 am
Operator : sv119:jjw
Sample : WG2147402-3,32,,CCV 12036 (1123a)
Misc : WG2147402,,ical22823
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Nov 29 11:31:25 2025
Quant Method : I:\8270SIM\sv119\251129RVT\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 11:32:00 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.520	152	206861	4000.000	ng/ml	0.00
9) Naphthalene-d8	3.223	136	789863	4000.000	ng/ml	0.00
18) Acenaphthene-d10	4.264	164	438570	4000.000	ng/ml	0.00
23) Phenanthrene-d10	5.161	188	882756	4000.000	ng/ml	0.00
32) Chrysene-d12	6.793	240	719687	4000.000	ng/ml	0.00
37) Perylene-d12	8.009	264	645429	4000.000	ng/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	1.888	112	50634	851.170	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 42.56%			
4) Phenol-d6	2.330	99	63704	875.494	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 43.77%			
8) Nitrobenzene-d5	2.818	82	59640	970.473	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 97.05%			
14) 2-Fluorobiphenyl	3.861	172	153437	972.061	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 97.21%			
22) 2,4,6-Tribromophenol	4.741	330	20379	1078.586	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 53.93%			
31) 4-Terphenyl-d14	6.134	244	166120	870.644	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 87.06%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.358	74	32847	851.676	ng/mL	94
5) Bis(2-chloroethyl)ether	2.374	93	57085	876.946	ng/ml	99
6) n-nitrosodi-n-propylamine	2.733	70	39800	922.608	ng/ml	99
7) Hexachloroethane	2.793	117	24657	925.768	ng/ml	93
10) Naphthalene	3.234	128	184554	901.619	ng/ml	100
11) Hexachlorobutadiene	3.313	225	35197	1045.055	ng/ml	99
12) 2-Methylnaphthalene	3.638	142	118552	939.485	ng/ml	100
13) 1-Methylnaphthalene	3.697	142	119631	939.684	ng/ml	100
15) 2-Chloronaphthalene	3.927	162	130216	972.061	ng/ml	99
16) 2,6-Dinitrotoluene	4.138	165	30884	1076.078	ng/ml	95
17) Acenaphthylene	4.178	152	208900	982.646	ng/ml	99
19) Acenaphthene	4.283	153	132633	905.952	ng/ml	94
20) 2,4-Dinitrotoluene	4.383	165	42468	1129.219	ng/ml	90
21) Fluorene	4.594	166	151729	902.501	ng/ml	100
24) 4,6-Dinitro-o-cresol	4.630	198	23736	943.894	ng/ml	96
25) Hexachlorobenzene	4.933	284	48133	998.123	ng/ml	94
26) Pentachlorophenol	5.057	266	24785	851.358	ng/ml	100
27) Phenanthrene	5.174	178	219946	892.898	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251129RVT\
Data File : ccv1129.D
Acq On : 29 Nov 2025 11:16 am
Operator : sv119:jjw
Sample : WG2147402-3,32,,CCV 12036 (1123a)
Misc : WG2147402,,ical22823
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Nov 29 11:31:25 2025
Quant Method : I:\8270SIM\sv119\251129RVT\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 11:32:00 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Anthracene	5.204	178	225685	933.789	ng/ml	100
29) Fluoranthene	5.897	202	243827	888.592	ng/ml	97
30) Pyrene	6.034	202	248826	871.625	ng/ml	100
33) Benzo[a]anthracene	6.784	226	60159	863.415	ng/ml	99
34) 3,3'-Dichlorobenzidine	6.773	252	78665	1033.164	ng/ml	100
35) Chrysene	6.810	228	203664	880.275	ng/ml	99
36) Bis(2-ethylhexyl)phtha...	6.821	149	138088	994.582	ng/ml	100
38) Benzo[b]fluoranthene	7.635	252	185165	894.394	ng/ml	100
39) Benzo[k]fluoranthene	7.659	252	190142	921.206	ng/ml	100
40) Benzo[a]pyrene	7.944	252	168823	923.599	ng/ml	100
41) Indeno[1,2,3-cd]pyrene	9.233	276	156184	1031.098	ng/ml	98
42) Dibenzo[a,h]anthracene	9.268	278	154208M6	1100.593	ng/ml	
43) Benzo[g,h,i]perylene	9.575	276	149871	1006.136	ng/ml	98

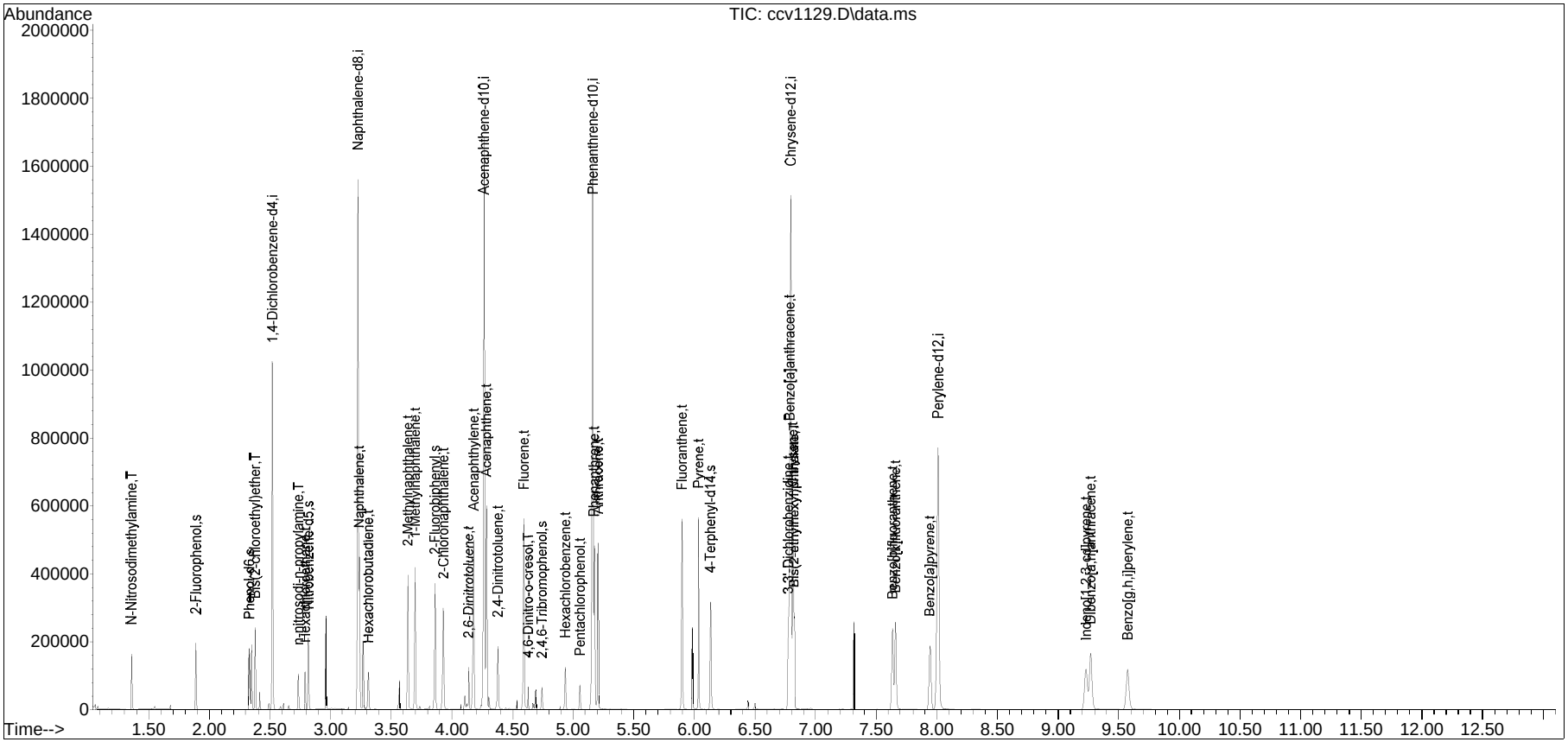
(#) = qualifier out of range (m) = manual integration (+) = signals summed

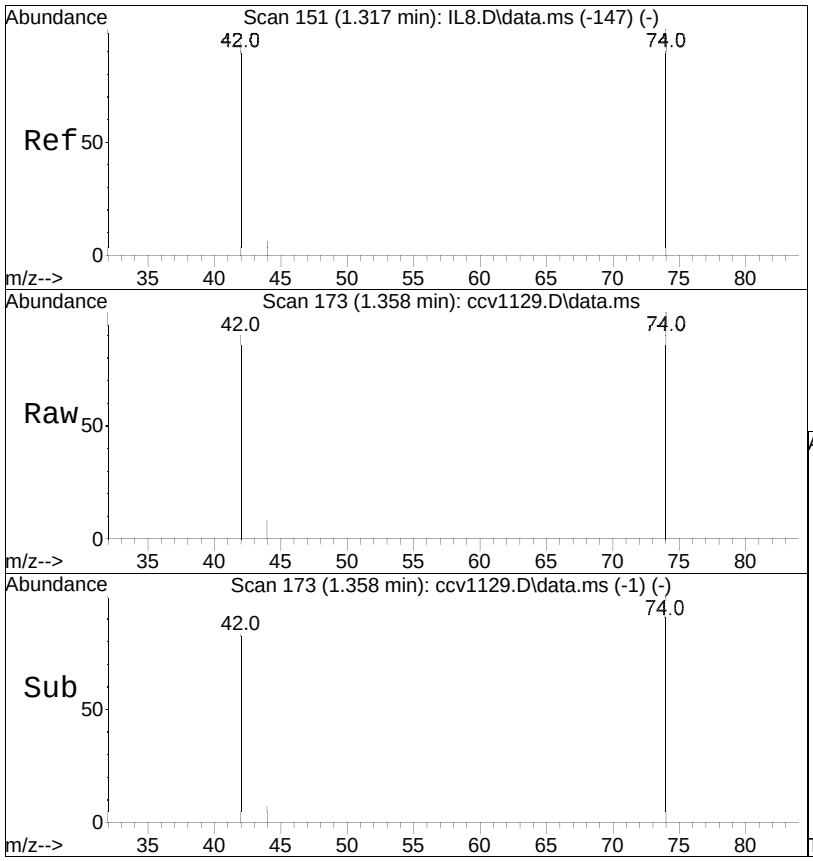
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251129RVT\
Data File : ccv1129.D
Acq On : 29 Nov 2025 11:16 am
Operator : sv119:jjw
Sample : WG2147402-3,32,,CCV 12036 (1123a)
Misc : WG2147402,,ical22823
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Nov 29 11:31:25 2025
Quant Method : I:\8270SIM\sv119\251129RVT\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 11:32:00 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

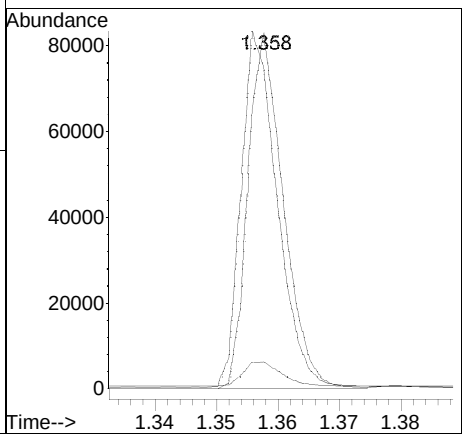


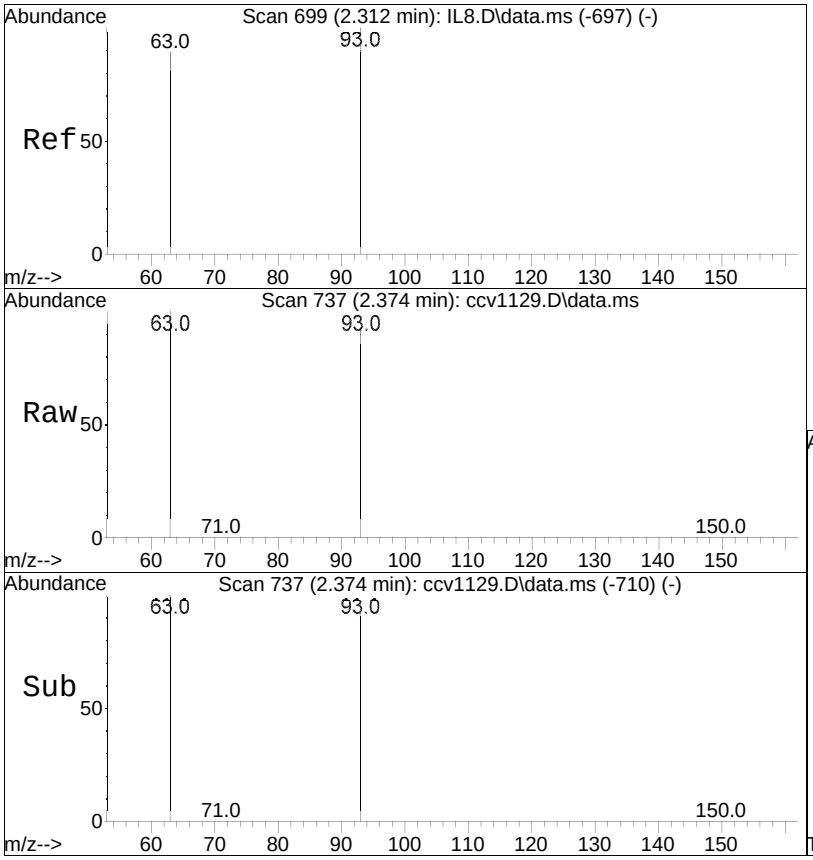


#2
N-Nitrosodimethylamine
Concen: 851.68 ng/mL
RT: 1.358 min Scan# 173
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion: 74 Resp: 32847

Ion	Ratio	Lower	Upper
74	100		
42	102.2	76.9	115.3
44	7.4	5.4	8.0

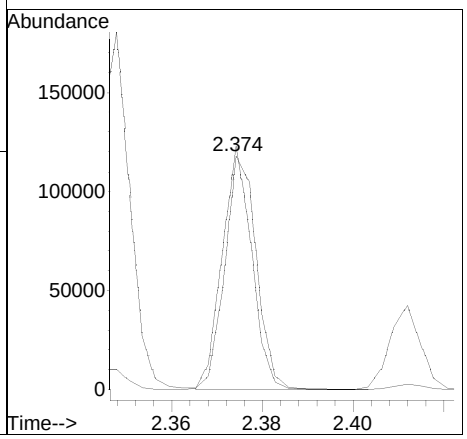


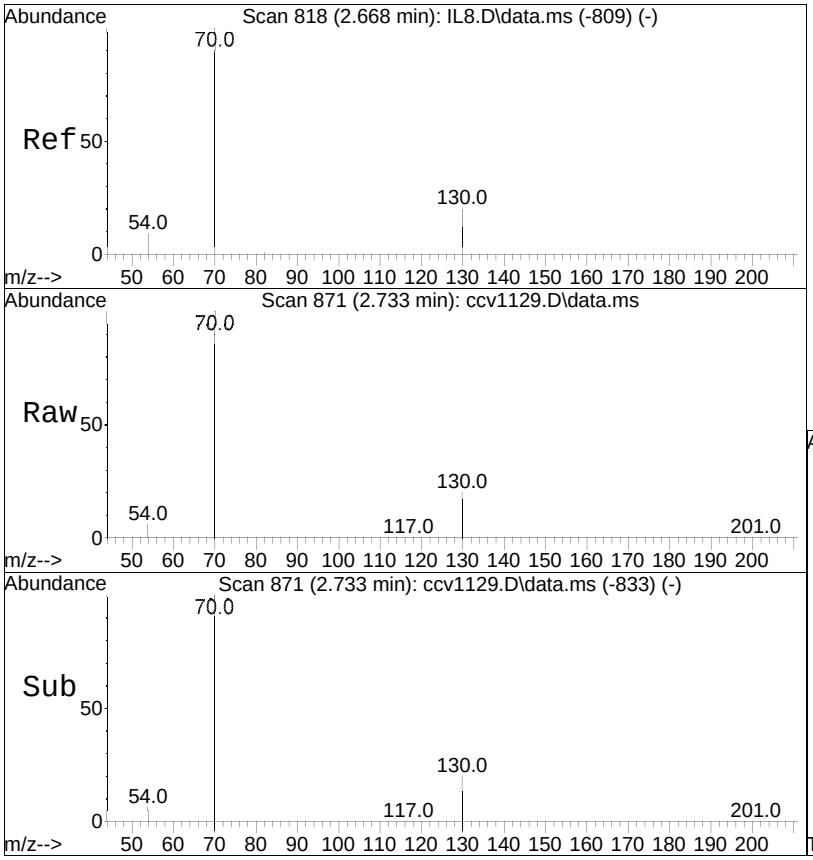


#5
Bis(2-chloroethyl)ether
Concen: 876.95 ng/ml
RT: 2.374 min Scan# 737
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion: 93 Resp: 57085

Ion	Ratio	Lower	Upper
93	100		
63	97.2	76.7	115.1

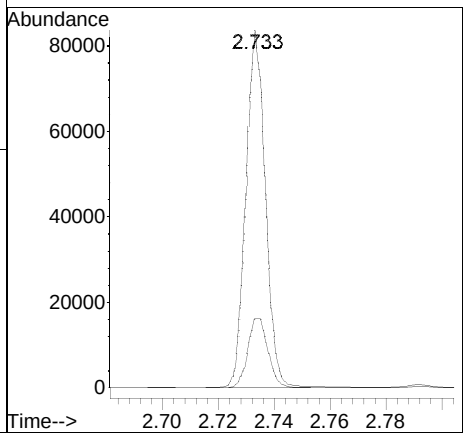


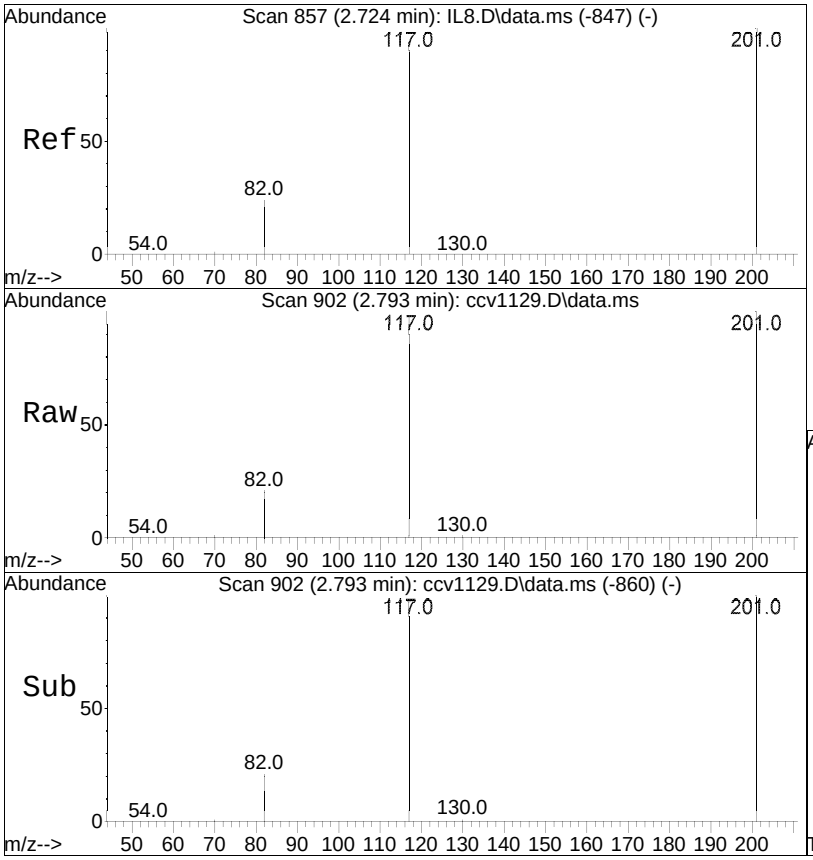


#6
n-nitrosodi-n-propylamine
Concen: 922.61 ng/ml
RT: 2.733 min Scan# 871
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion: 70 Resp: 39800

Ion	Ratio	Lower	Upper
70	100		
130	20.2	15.9	23.9

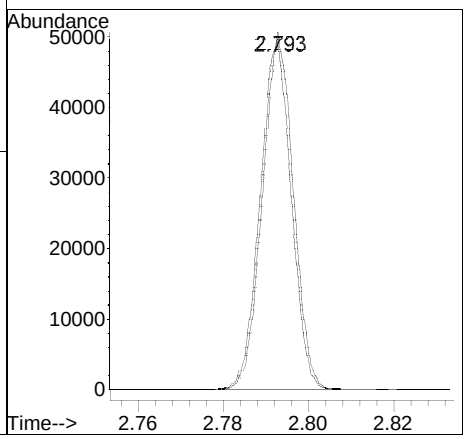


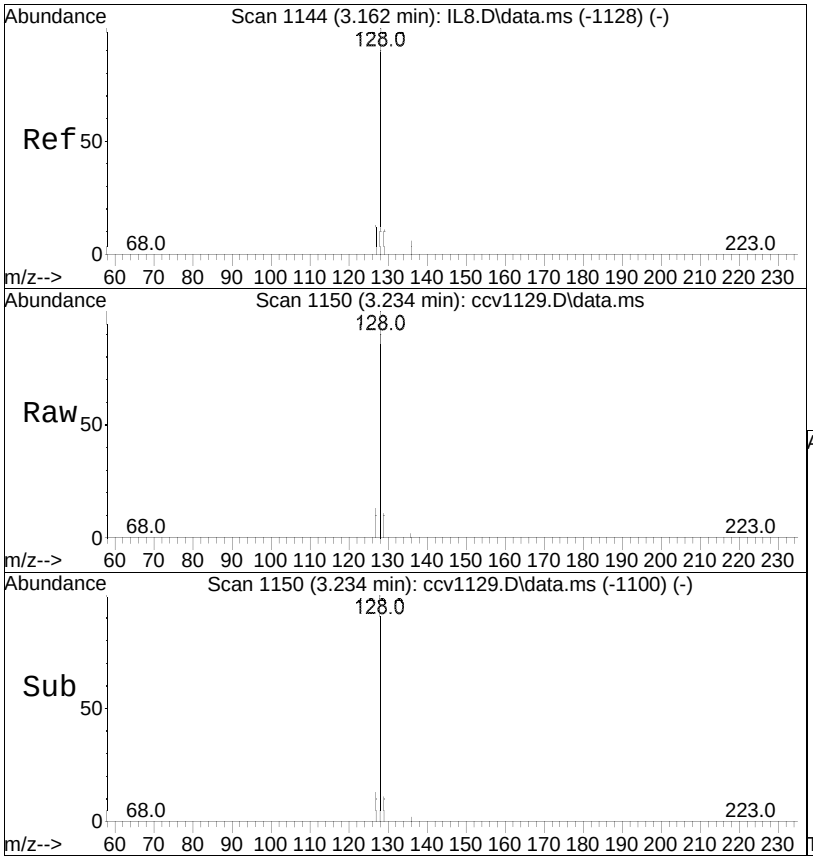


#7
Hexachloroethane
Concen: 925.77 ng/ml
RT: 2.793 min Scan# 902
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:117 Resp: 24657

Ion	Ratio	Lower	Upper
117	100		
201	101.4	75.4	113.0

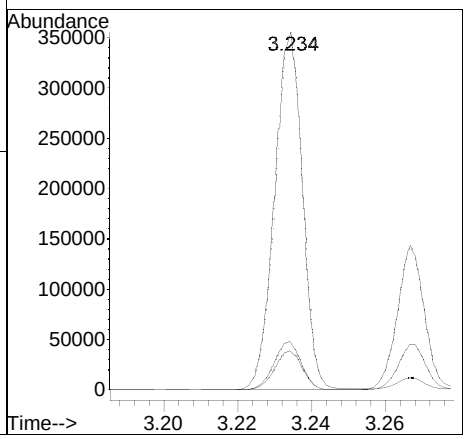


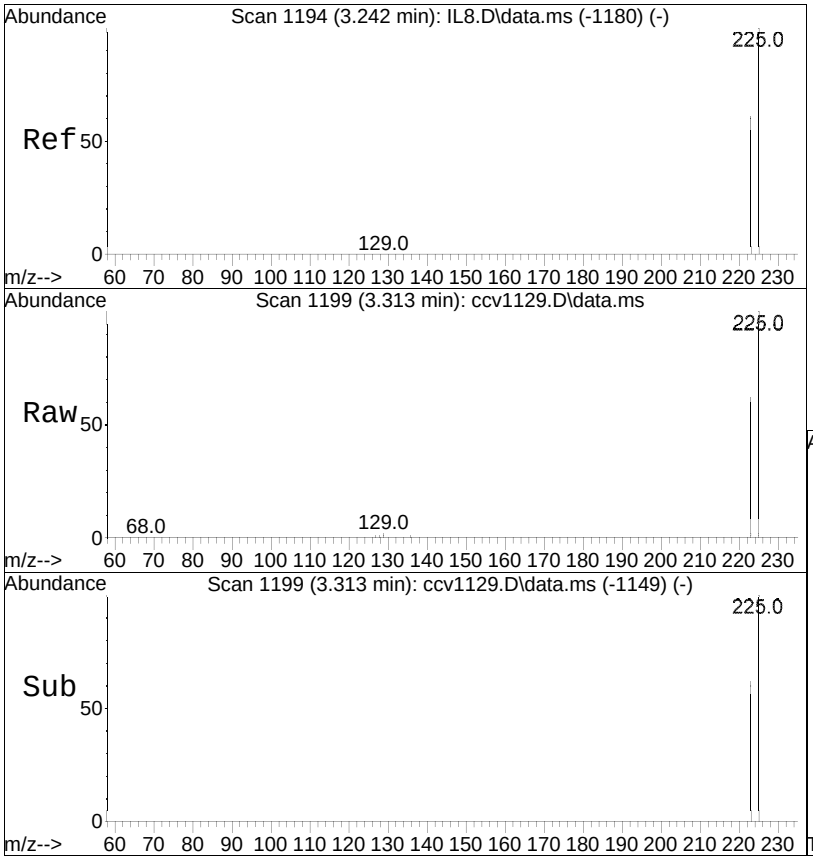


#10
Naphthalene
Concen: 901.62 ng/ml
RT: 3.234 min Scan# 1150
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:128 Resp: 184554

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.4	10.5	15.7

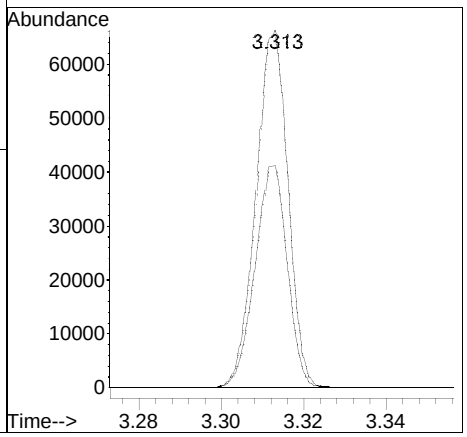


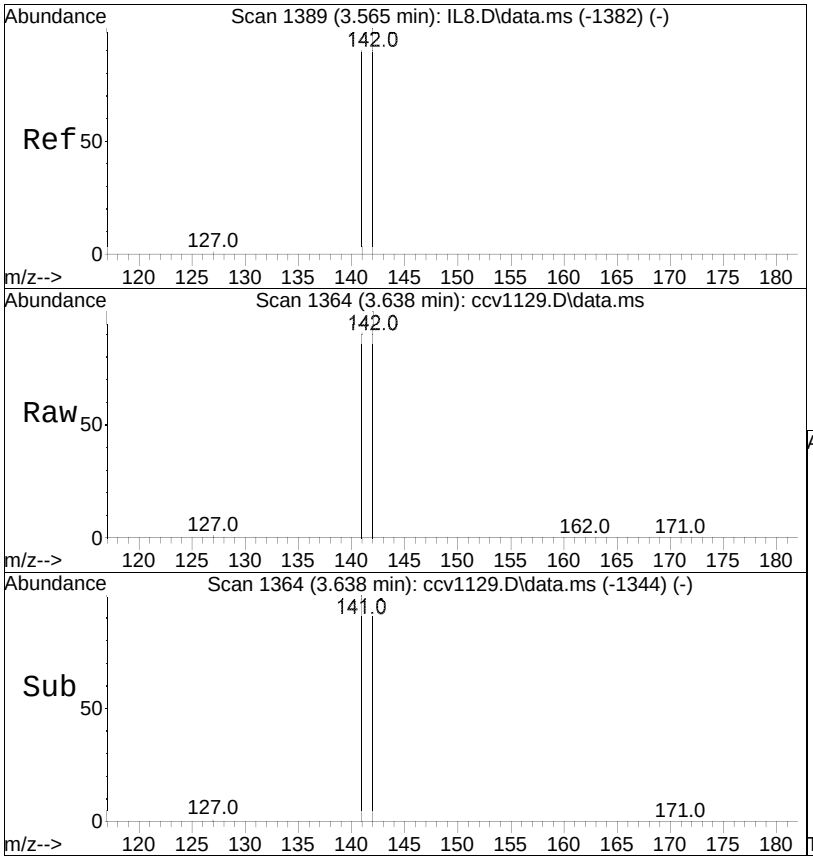


#11
Hexachlorobutadiene
Concen: 1045.06 ng/ml
RT: 3.313 min Scan# 1199
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:225 Resp: 35197

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.7	76.1

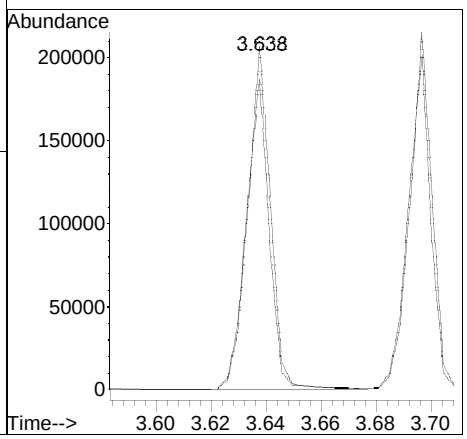


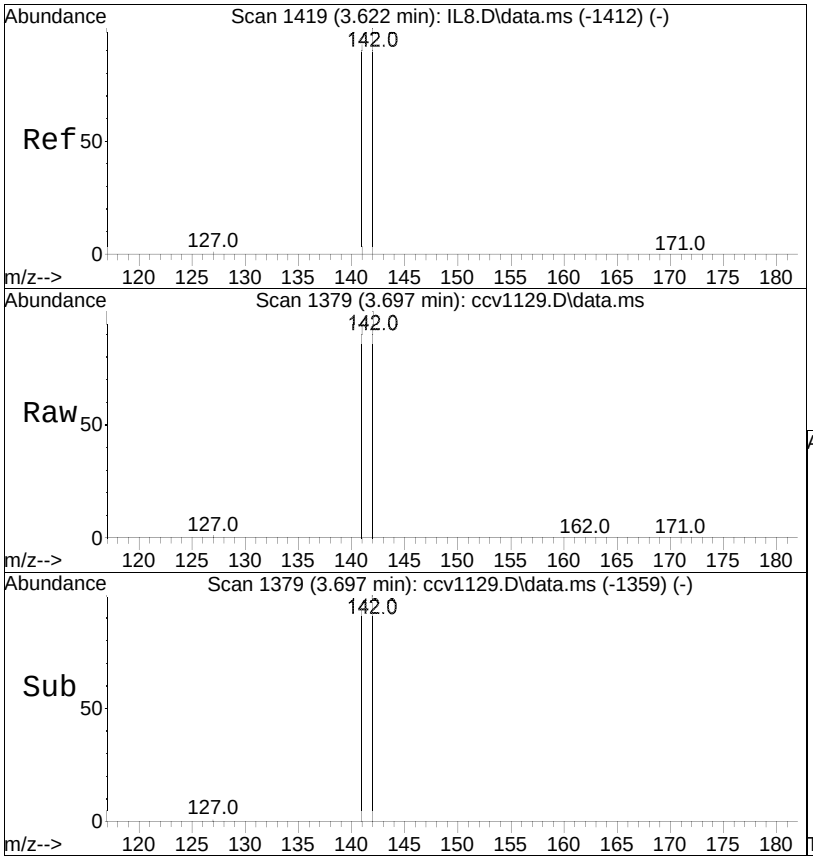


#12
2-Methylnaphthalene
Concen: 939.48 ng/ml
RT: 3.638 min Scan# 1364
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:142 Resp: 118552

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.4	110.2

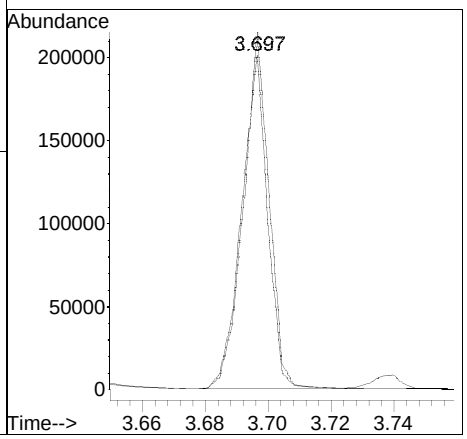


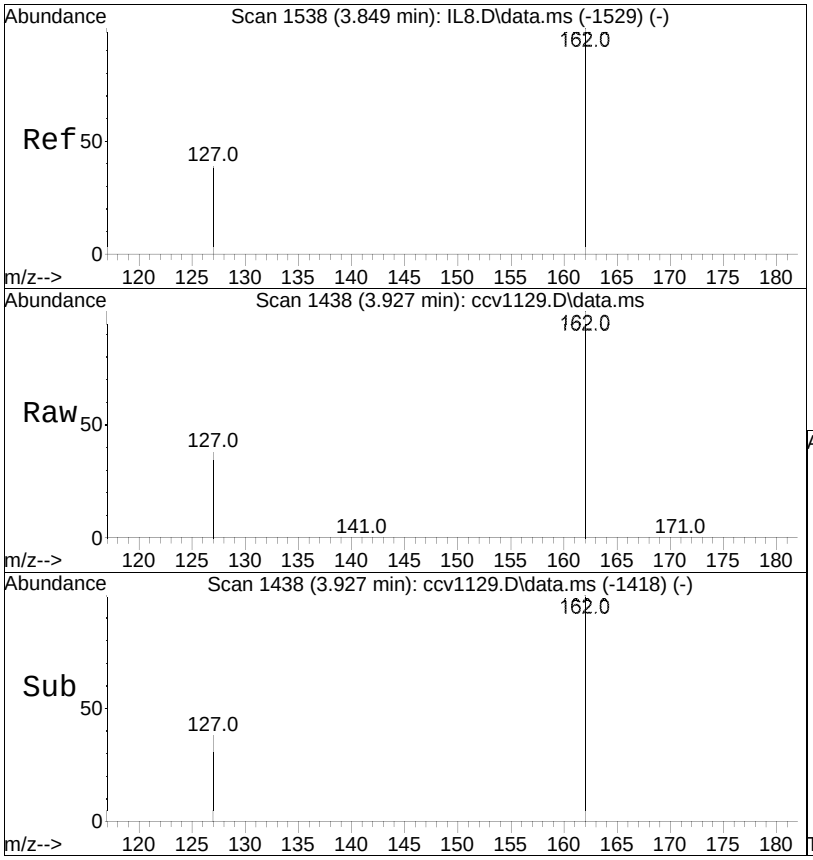


#13
1-Methylnaphthalene
Concen: 939.68 ng/ml
RT: 3.697 min Scan# 1379
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:142 Resp: 119631

Ion	Ratio	Lower	Upper
142	100		
141	95.3	75.9	113.9

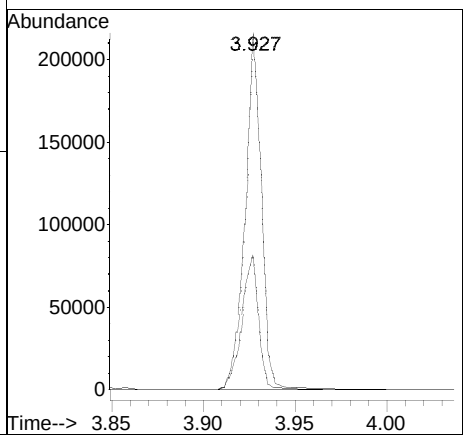


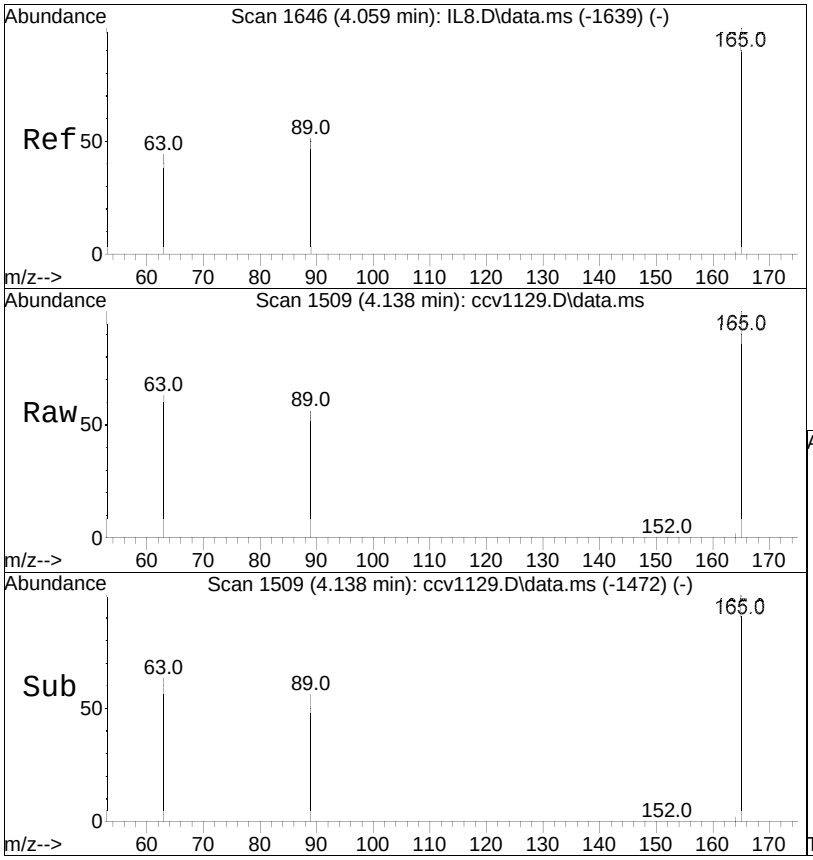


#15
2-Chloronaphthalene
Concen: 972.06 ng/ml
RT: 3.927 min Scan# 1438
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:162 Resp: 130216

Ion	Ratio	Lower	Upper
162	100		
127	39.4	31.1	46.7

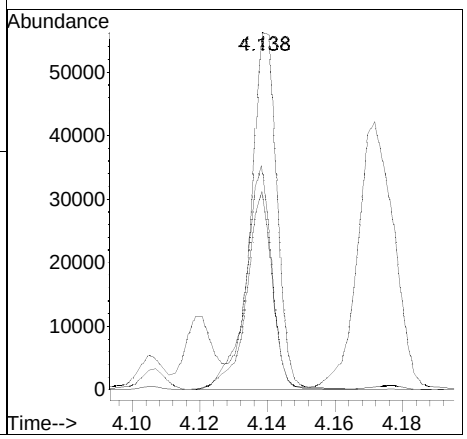


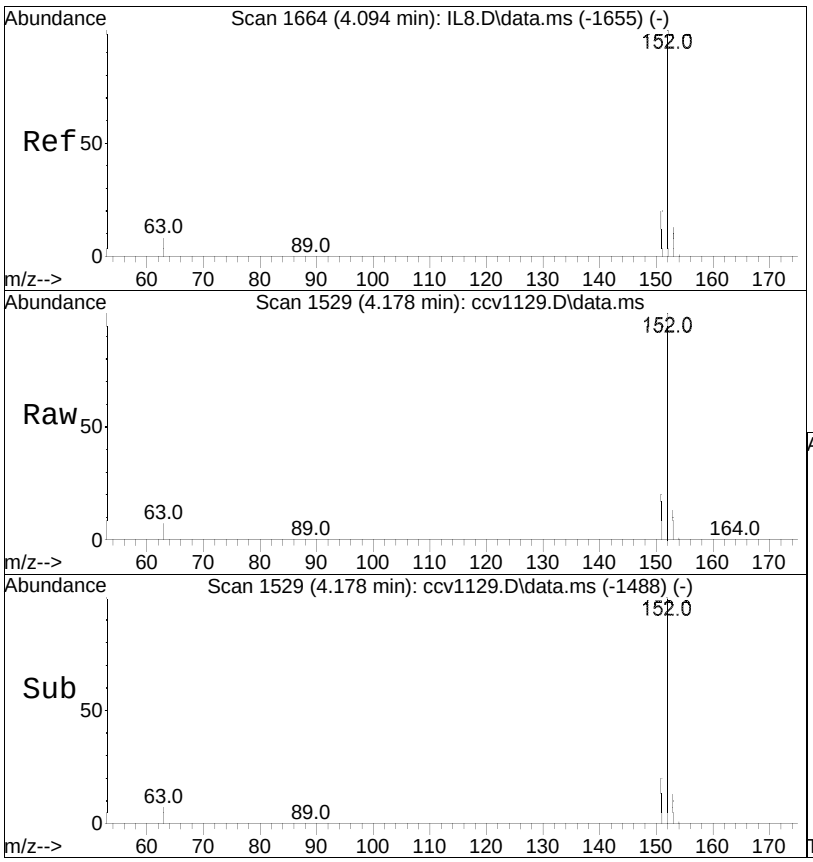


#16
2,6-Dinitrotoluene
Concen: 1076.08 ng/ml
RT: 4.138 min Scan# 1509
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:165 Resp: 30884

Ion	Ratio	Lower	Upper
165	100		
89	53.8	45.8	68.6
63	58.6	50.6	76.0

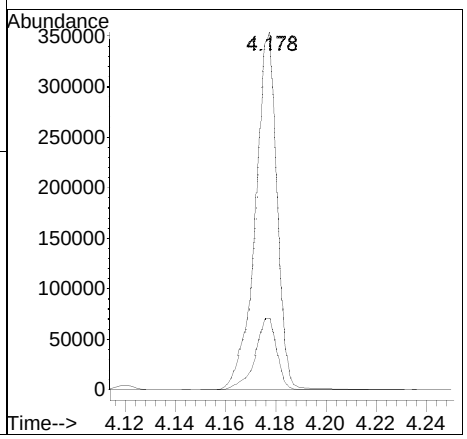


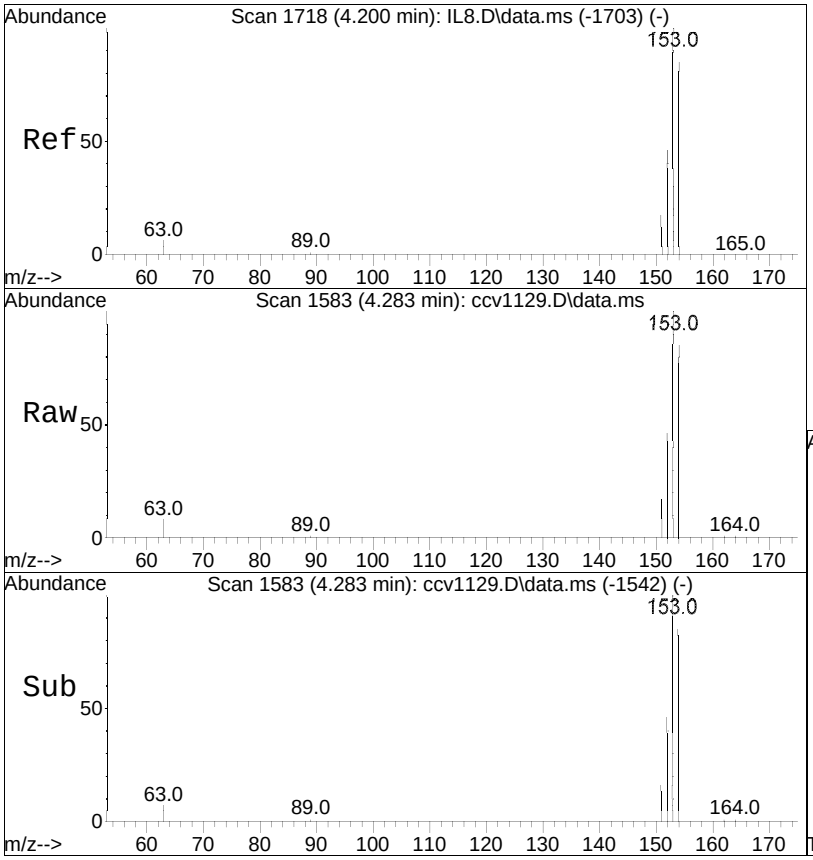


#17
Acenaphthylene
Concen: 982.65 ng/ml
RT: 4.178 min Scan# 1529
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:152 Resp: 208900

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9

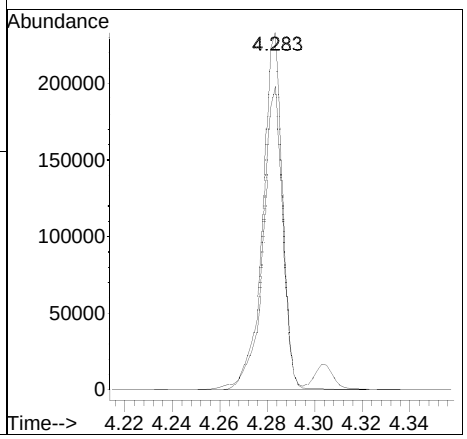


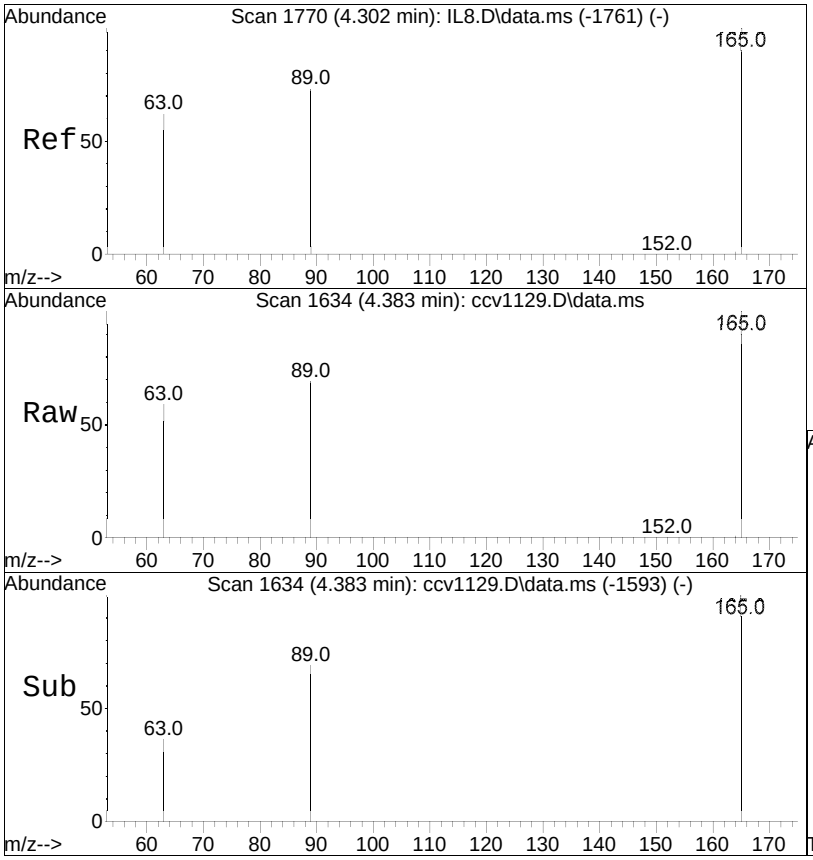


#19
Acenaphthene
Concen: 905.95 ng/ml
RT: 4.283 min Scan# 1583
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:153 Resp: 132633

Ion	Ratio	Lower	Upper
153	100		
154	85.4	72.6	108.8

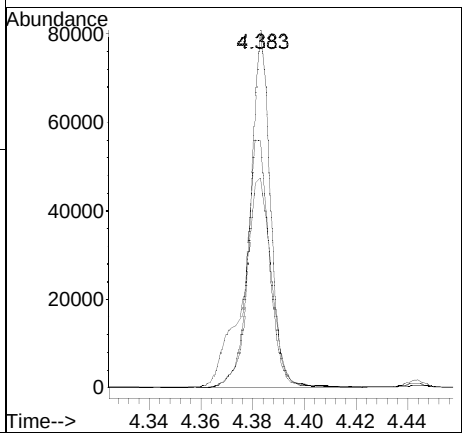


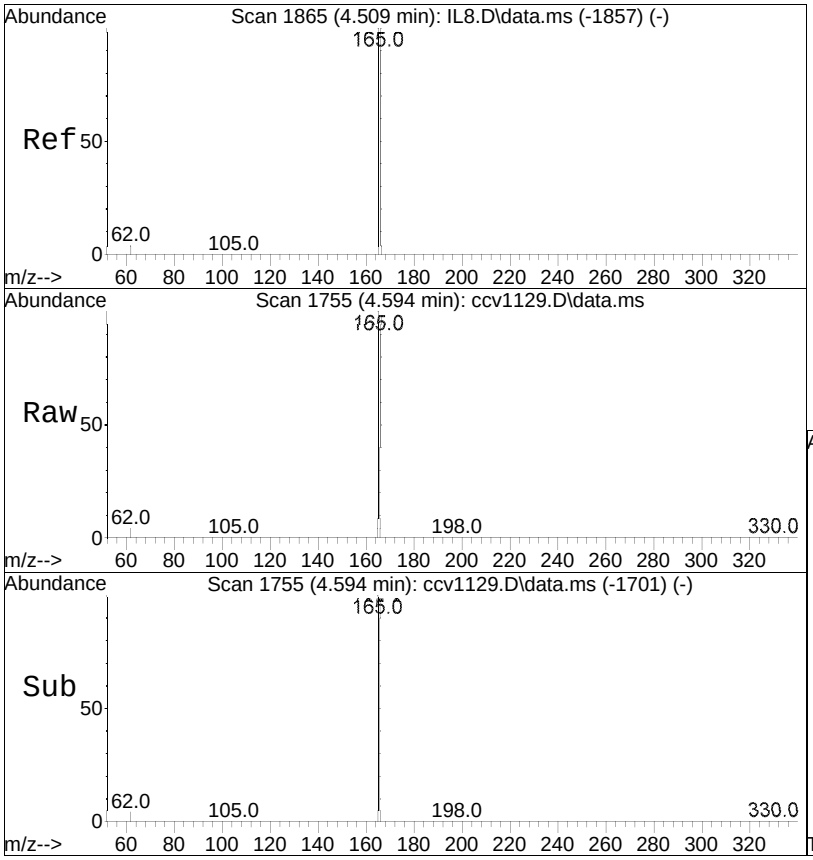


#20
2,4-Dinitrotoluene
Concen: 1129.22 ng/ml
RT: 4.383 min Scan# 1634
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:165 Resp: 42468

Ion	Ratio	Lower	Upper
165	100		
89	78.9	67.8	101.6
63	86.3	59.1	88.7

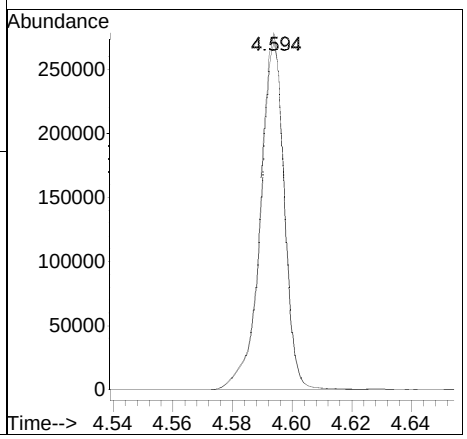


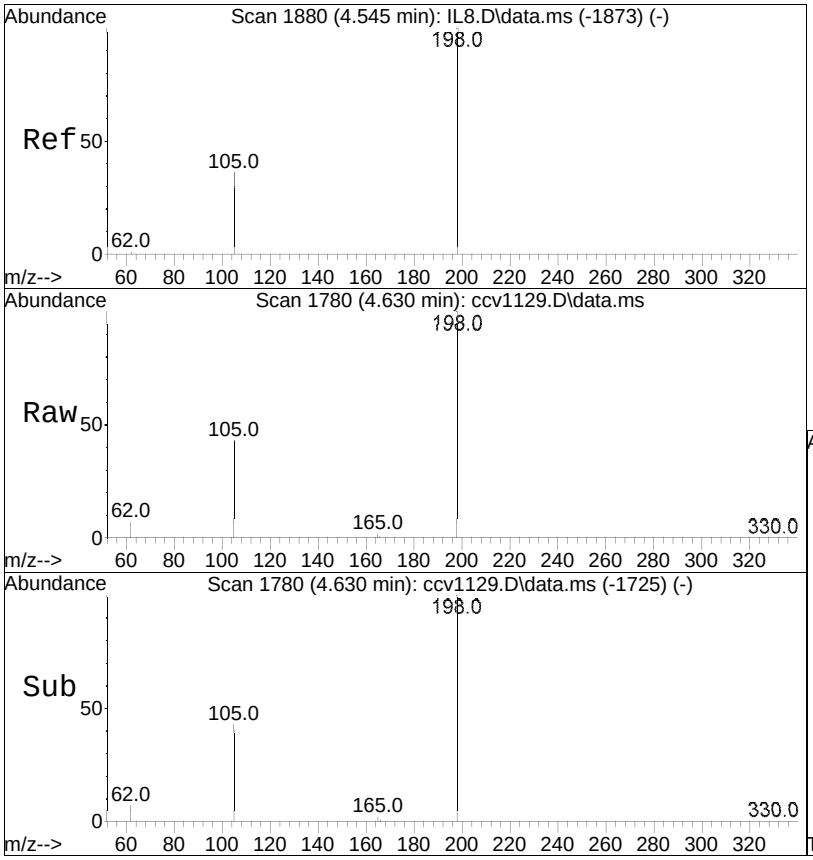


#21
Fluorene
Concen: 902.50 ng/ml
RT: 4.594 min Scan# 1755
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:166 Resp: 151729

Ion	Ratio	Lower	Upper
166	100		
165	102.0	81.6	122.4

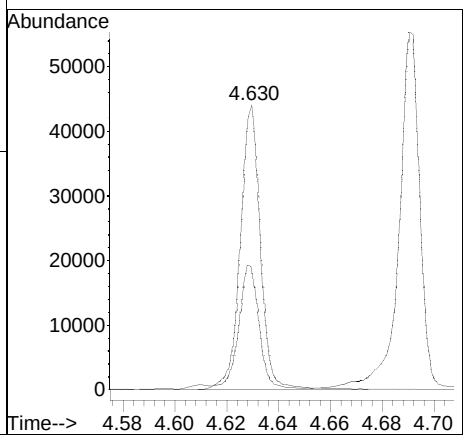


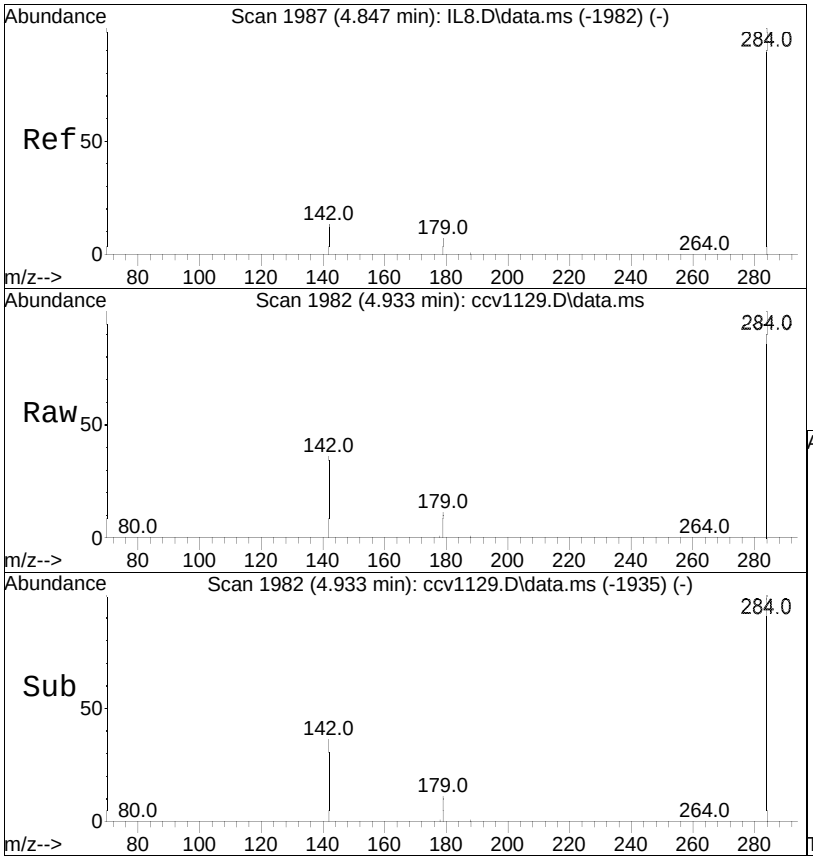


#24
4,6-Dinitro-o-cresol
Concen: 943.89 ng/ml
RT: 4.630 min Scan# 1780
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:198 Resp: 23736

Ion	Ratio	Lower	Upper
198	100		
105	42.8	36.4	54.6

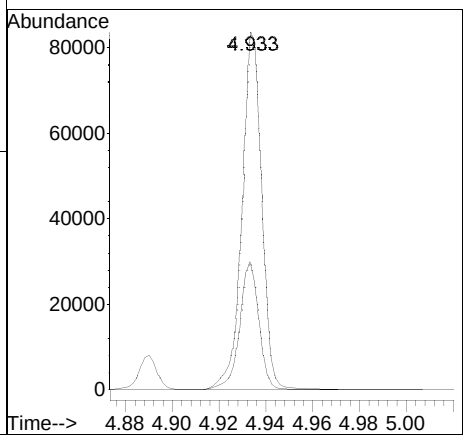


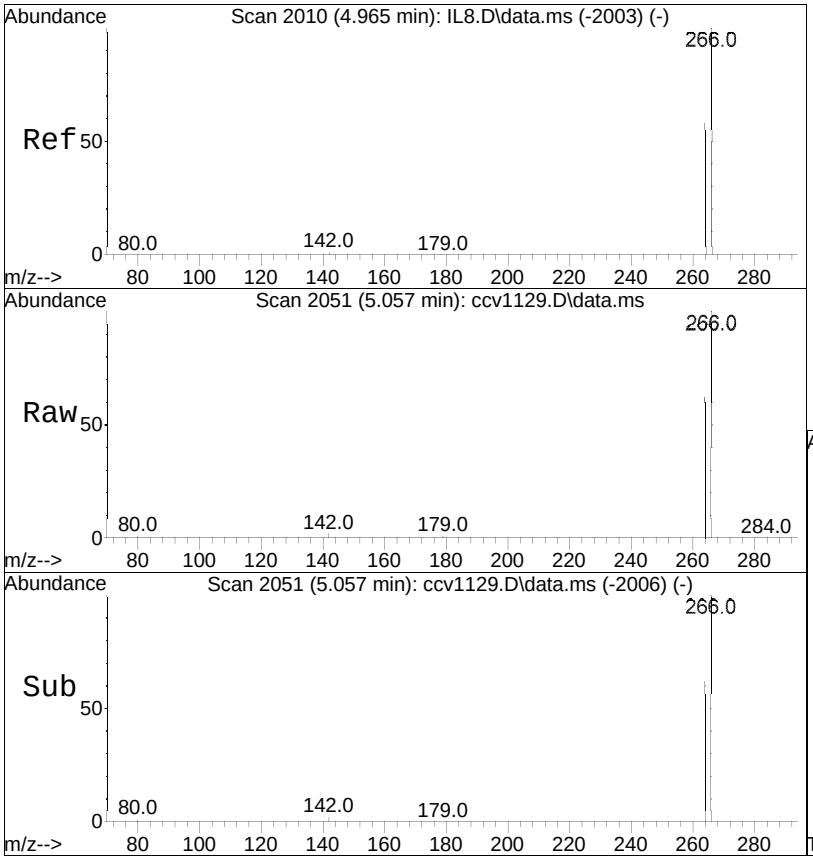


#25
Hexachlorobenzene
Concen: 998.12 ng/ml
RT: 4.933 min Scan# 1982
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:284 Resp: 48133

Ion	Ratio	Lower	Upper
284	100		
142	35.1	31.1	46.7

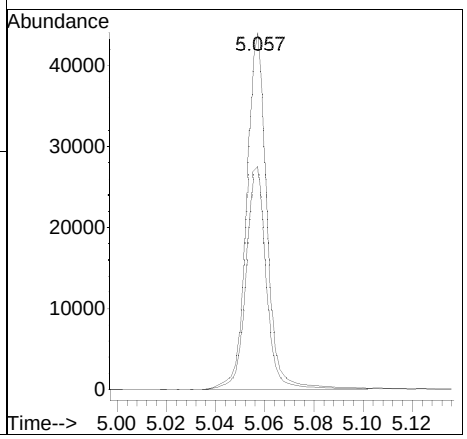


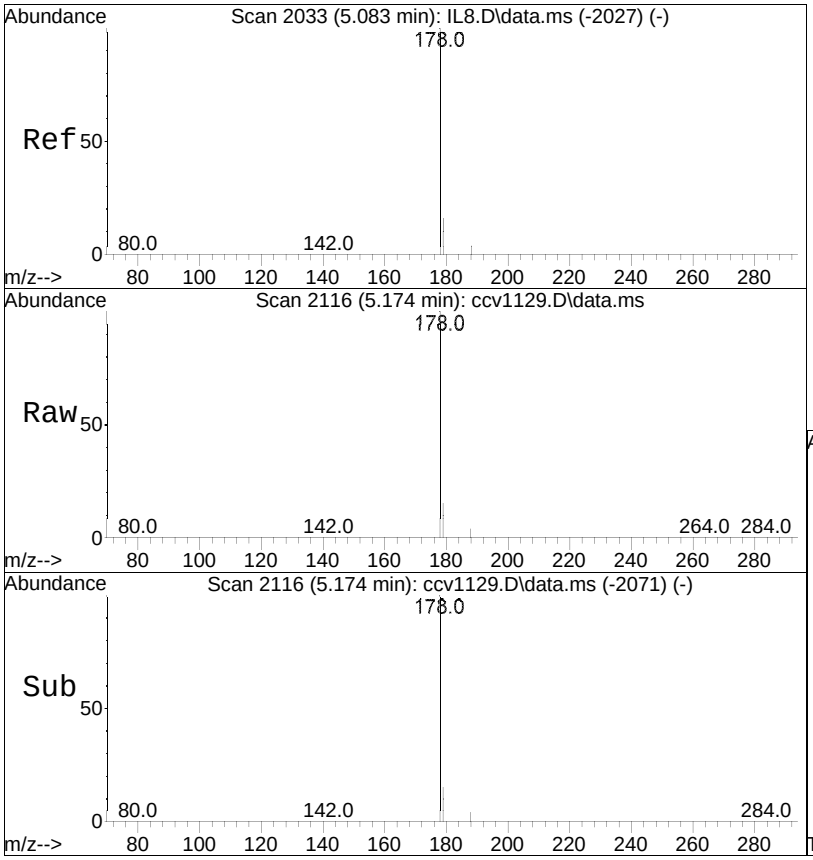


#26
Pentachlorophenol
Concen: 851.36 ng/ml
RT: 5.057 min Scan# 2051
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:266 Resp: 24785

Ion	Ratio	Lower	Upper
266	100		
264	63.4	51.0	76.4

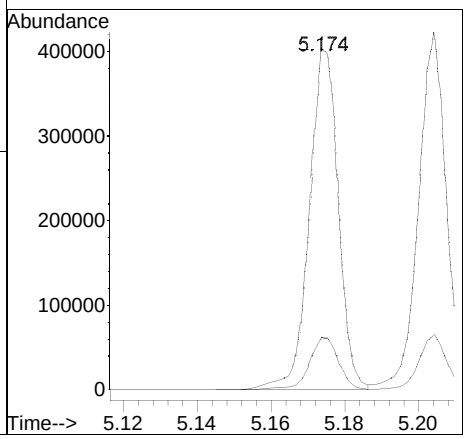


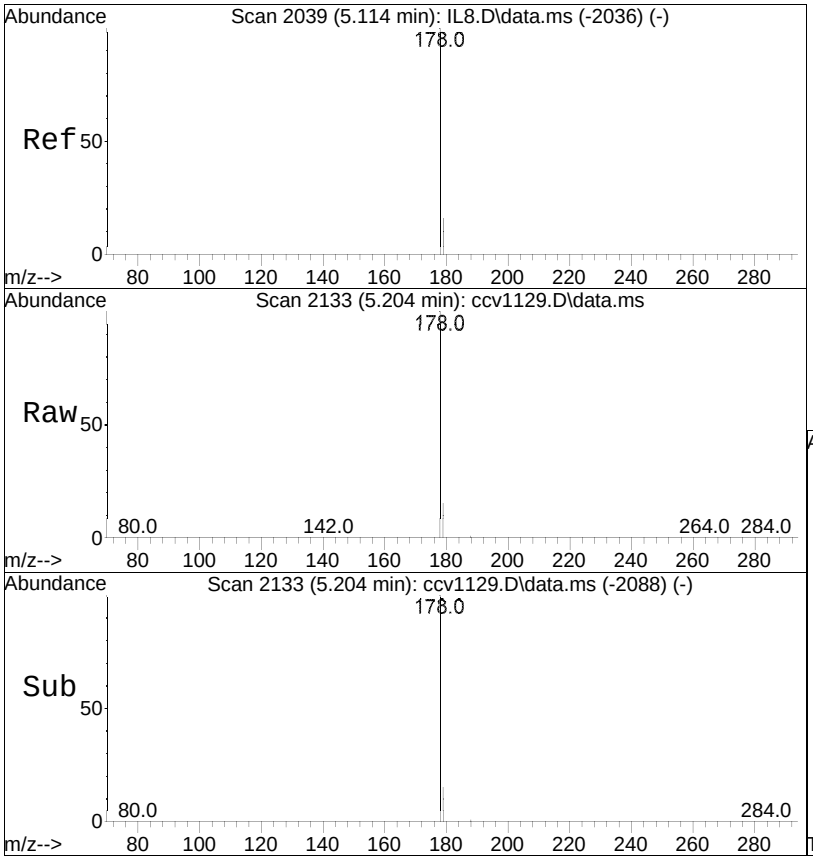


#27
Phenanthrene
Concen: 892.90 ng/ml
RT: 5.174 min Scan# 2116
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:178 Resp: 219946

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6

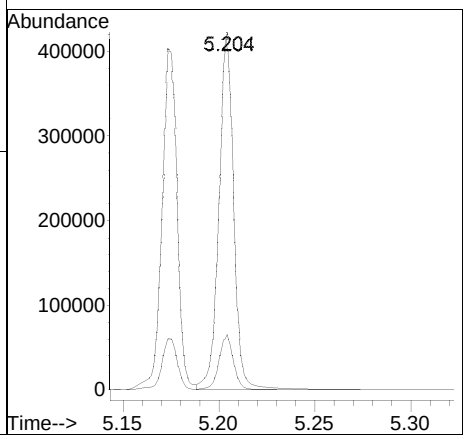


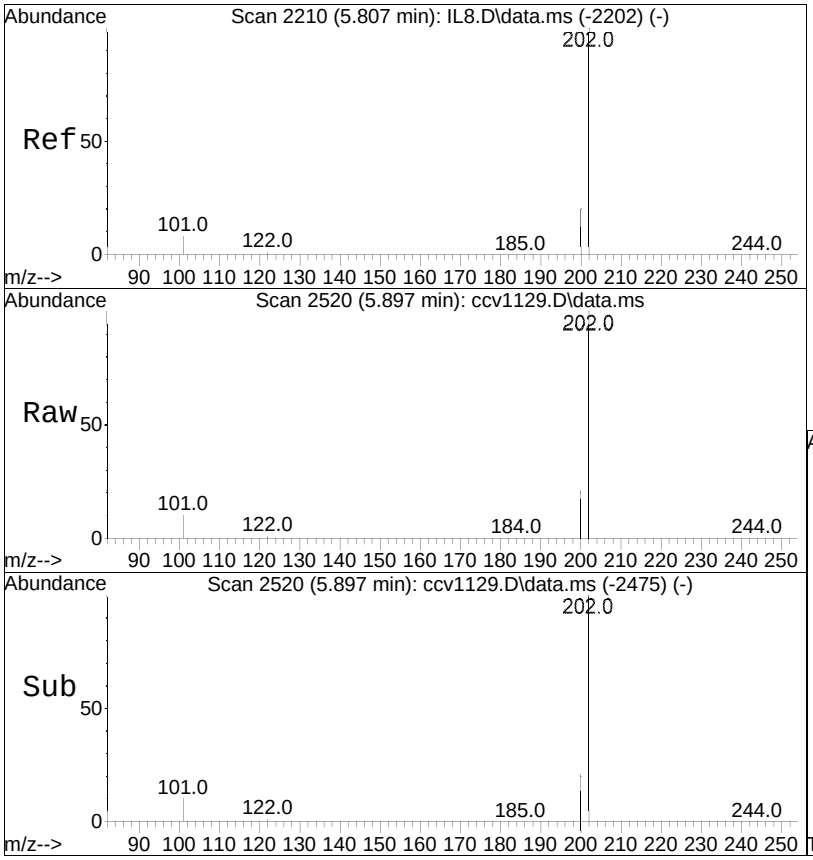


#28
Anthracene
Concen: 933.79 ng/ml
RT: 5.204 min Scan# 2133
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:178 Resp: 225685

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5

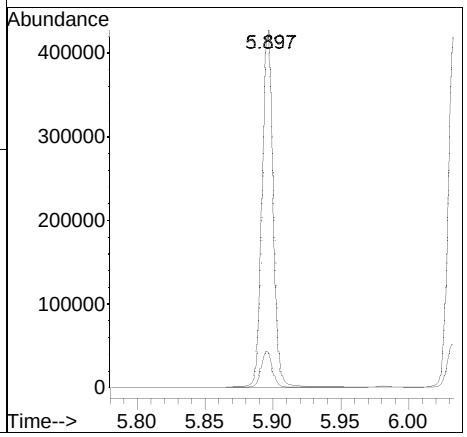


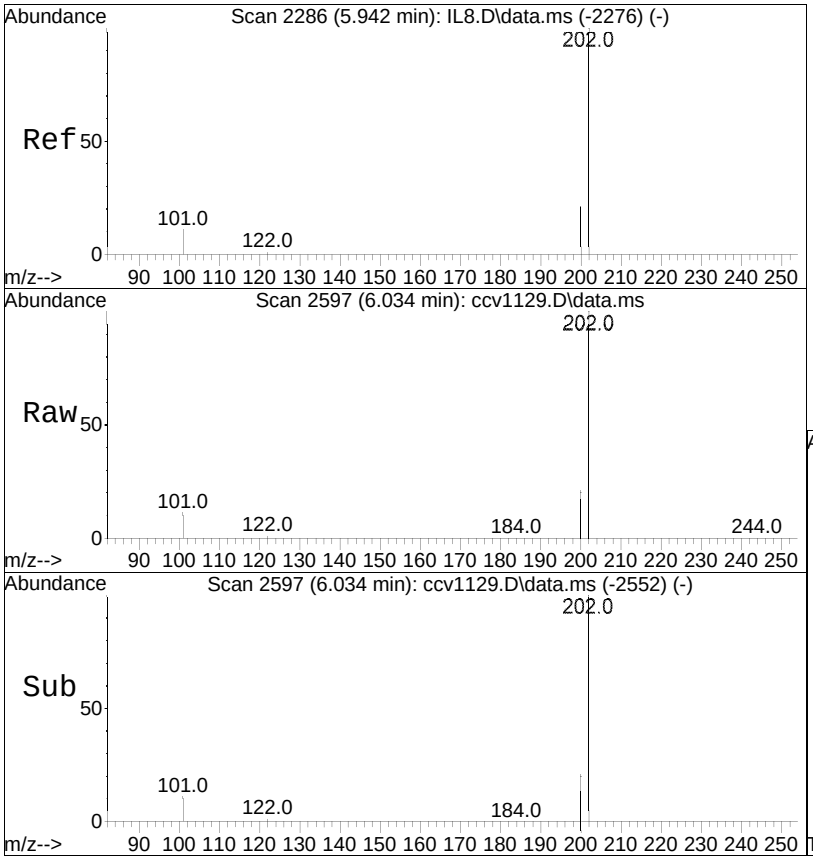


#29
Fluoranthene
Concen: 888.59 ng/ml
RT: 5.897 min Scan# 2520
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:202 Resp: 243827

Ion	Ratio	Lower	Upper
202	100		
101	10.2	9.1	13.7

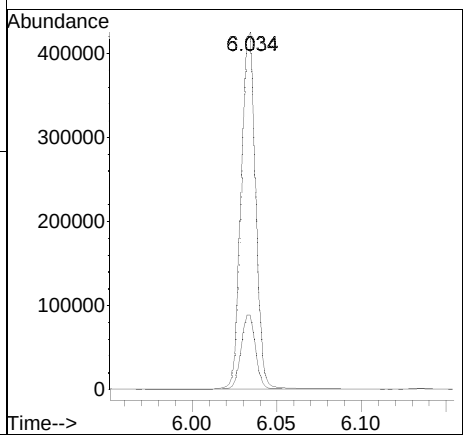


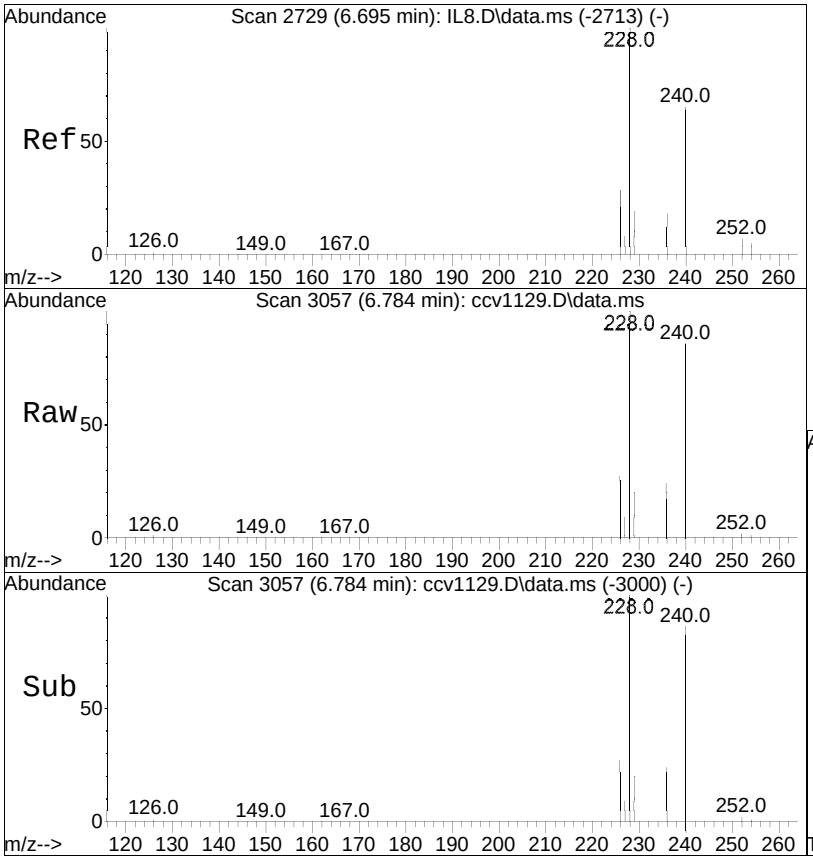


#30
Pyrene
Concen: 871.62 ng/ml
RT: 6.034 min Scan# 2597
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:202 Resp: 248826

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2

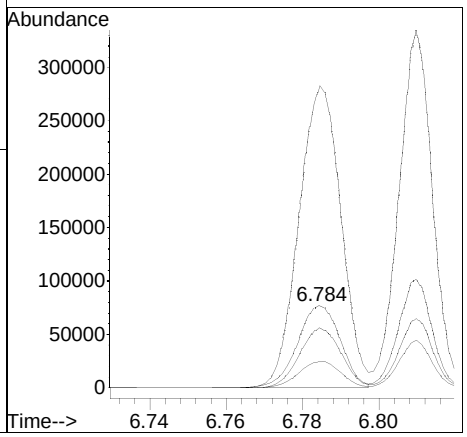


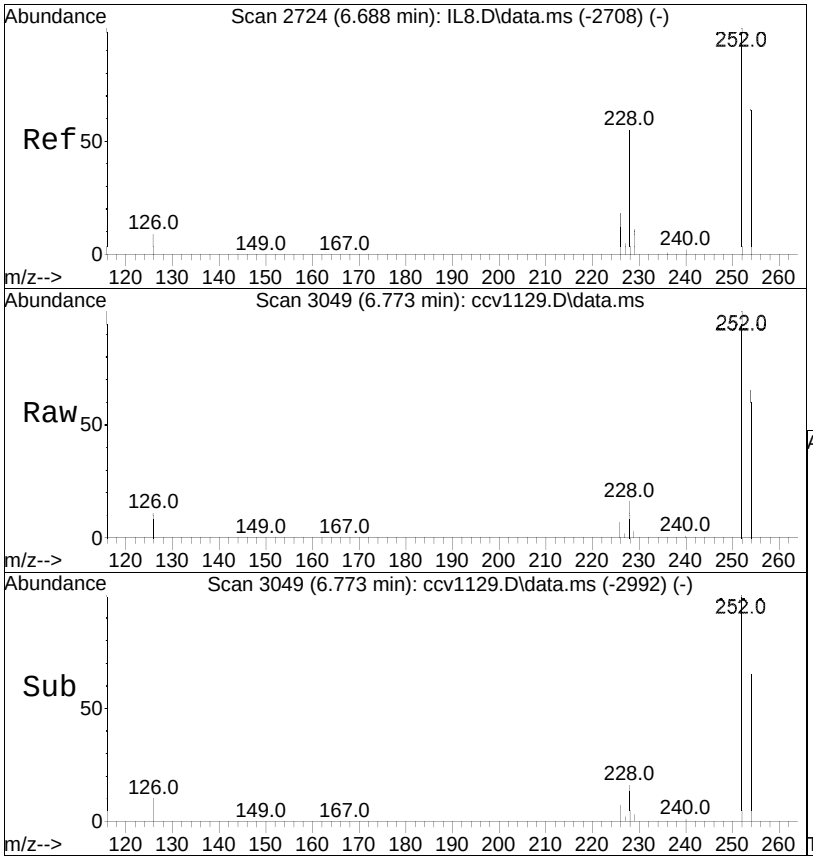


#33
Benzo[a]anthracene
Concen: 863.42 ng/ml
RT: 6.784 min Scan# 3057
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:226 Resp: 60159

Ion	Ratio	Lower	Upper
226	100		
227	31.6	24.1	36.1
228	358.1	288.2	432.2
229	70.3	56.6	84.8

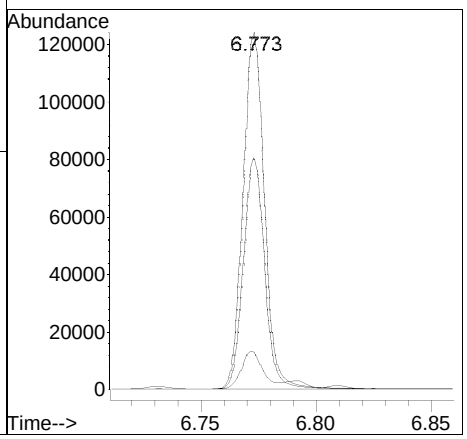


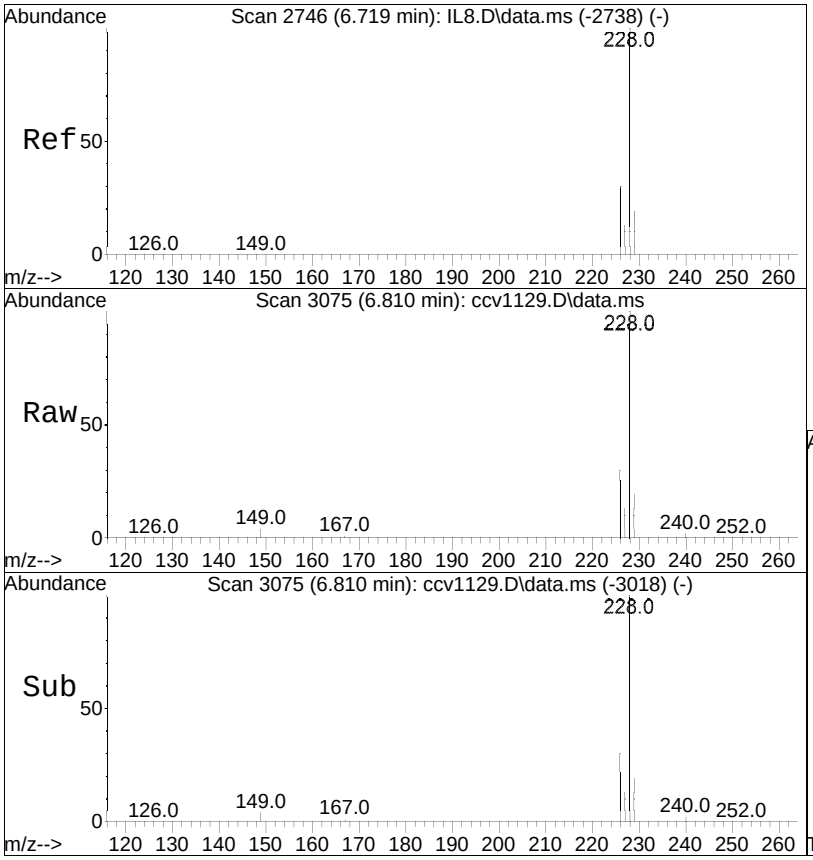


#34
3,3'-Dichlorobenzidine
Concen: 1033.16 ng/ml
RT: 6.773 min Scan# 3049
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:252 Resp: 78665

Ion	Ratio	Lower	Upper
252	100		
126	11.1	9.0	13.6
254	64.6	51.5	77.3

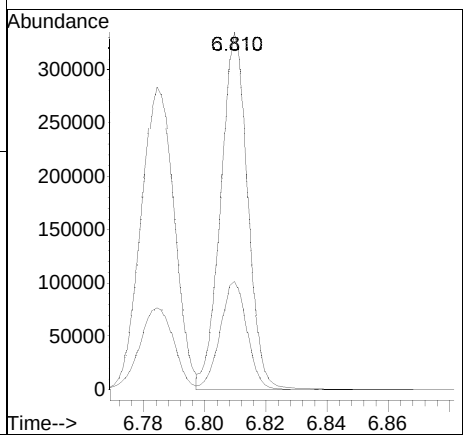


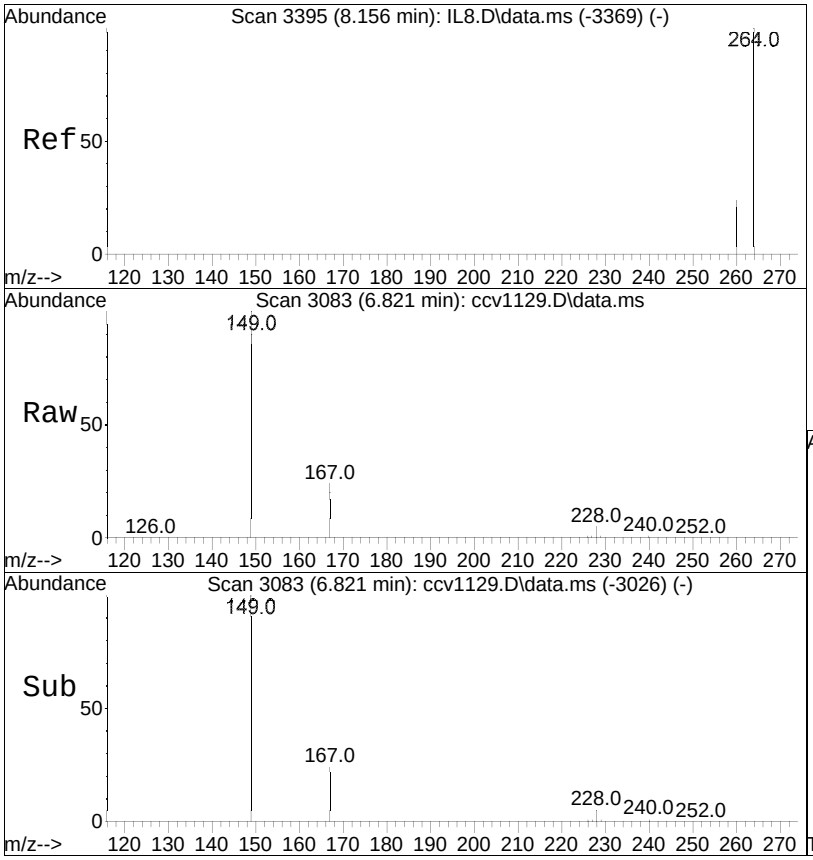


#35
Chrysene
Concen: 880.28 ng/ml
RT: 6.810 min Scan# 3075
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:228 Resp: 203664

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.1	36.1

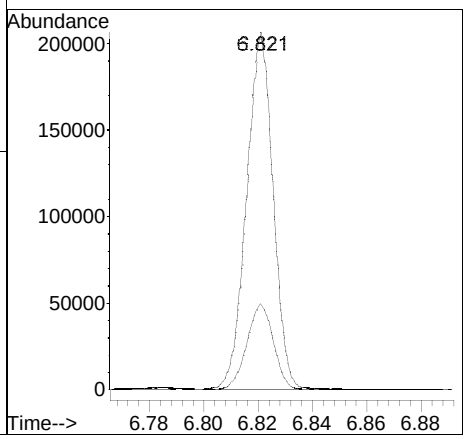


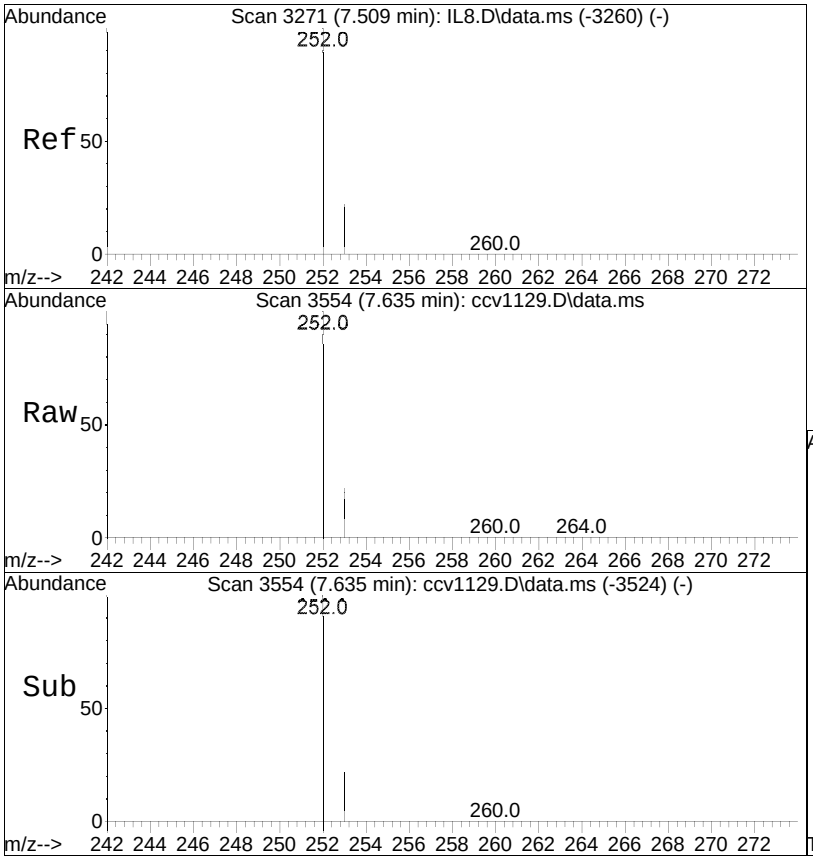


#36
Bis(2-ethylhexyl)phthalate
Concen: 994.58 ng/ml
RT: 6.821 min Scan# 3083
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:149 Resp: 138088

Ion	Ratio	Lower	Upper
149	100		
167	23.9	19.3	28.9

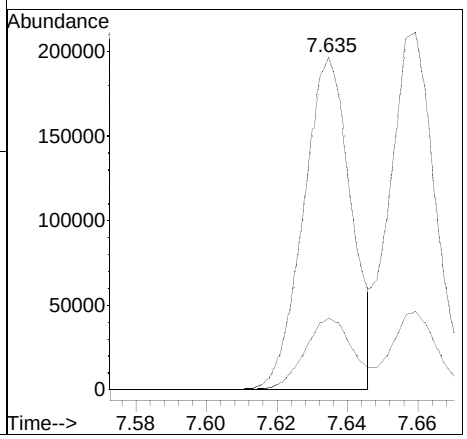


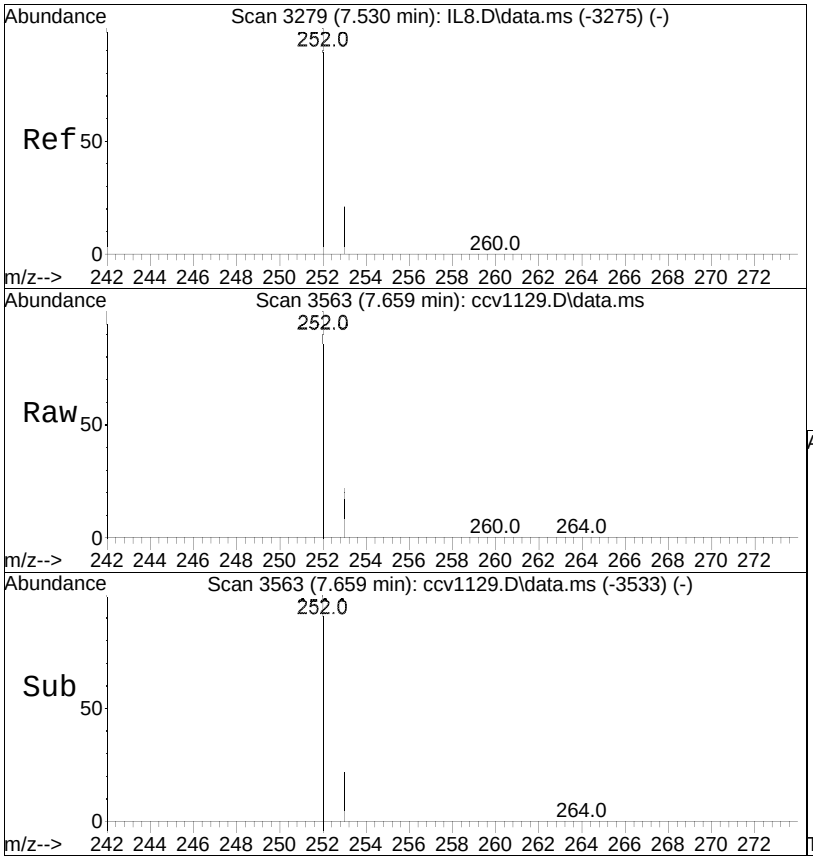


#38
Benzo[b]fluoranthene
Concen: 894.39 ng/ml
RT: 7.635 min Scan# 3554
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:252 Resp: 185165

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9

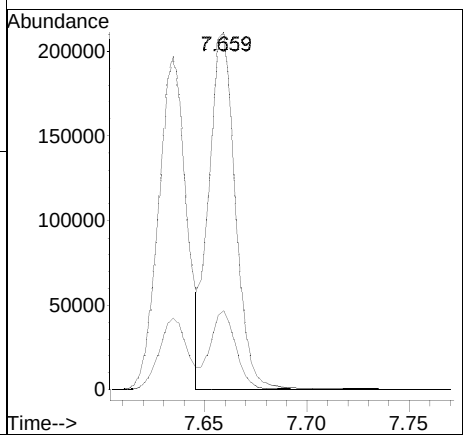


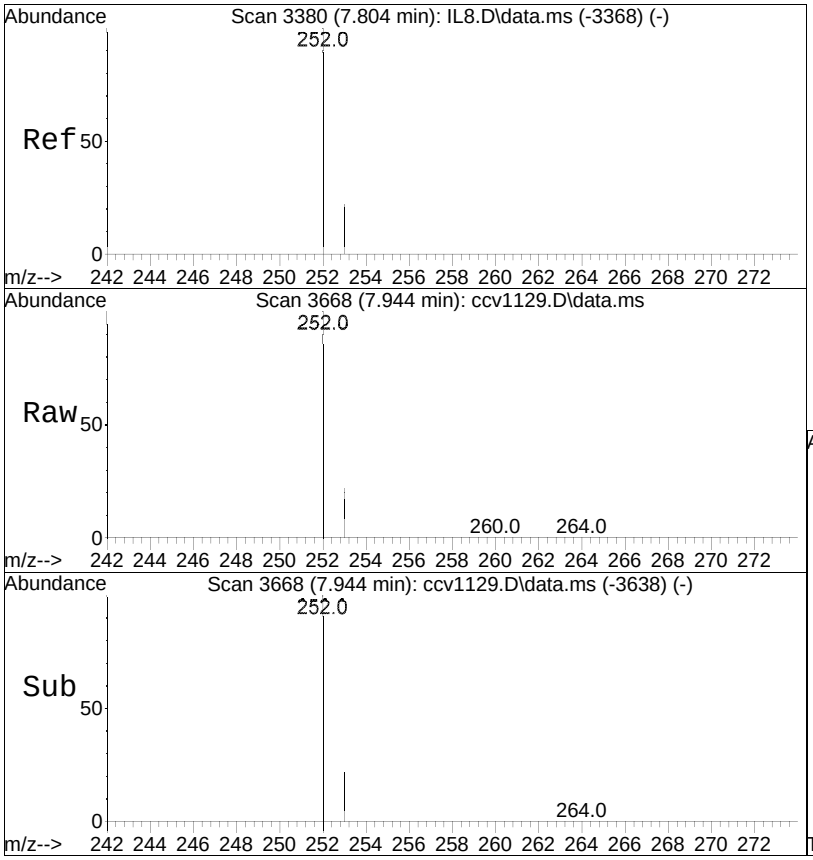


#39
Benzo[k]fluoranthene
Concen: 921.21 ng/ml
RT: 7.659 min Scan# 3563
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:252 Resp: 190142

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3

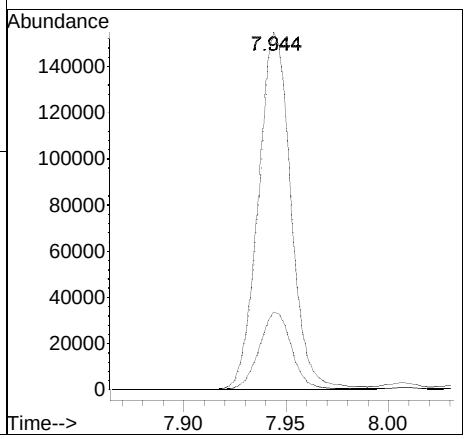


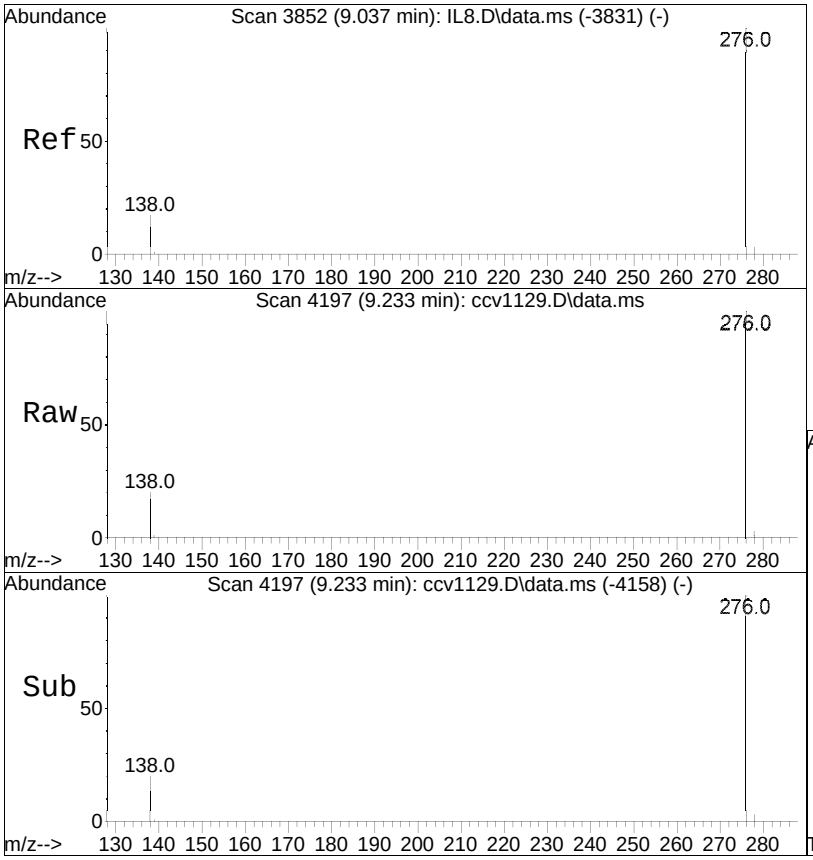


#40
Benzo[a]pyrene
Concen: 923.60 ng/ml
RT: 7.944 min Scan# 3668
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:252 Resp: 168823

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0

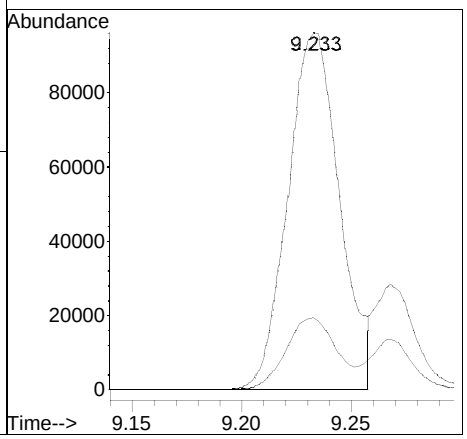


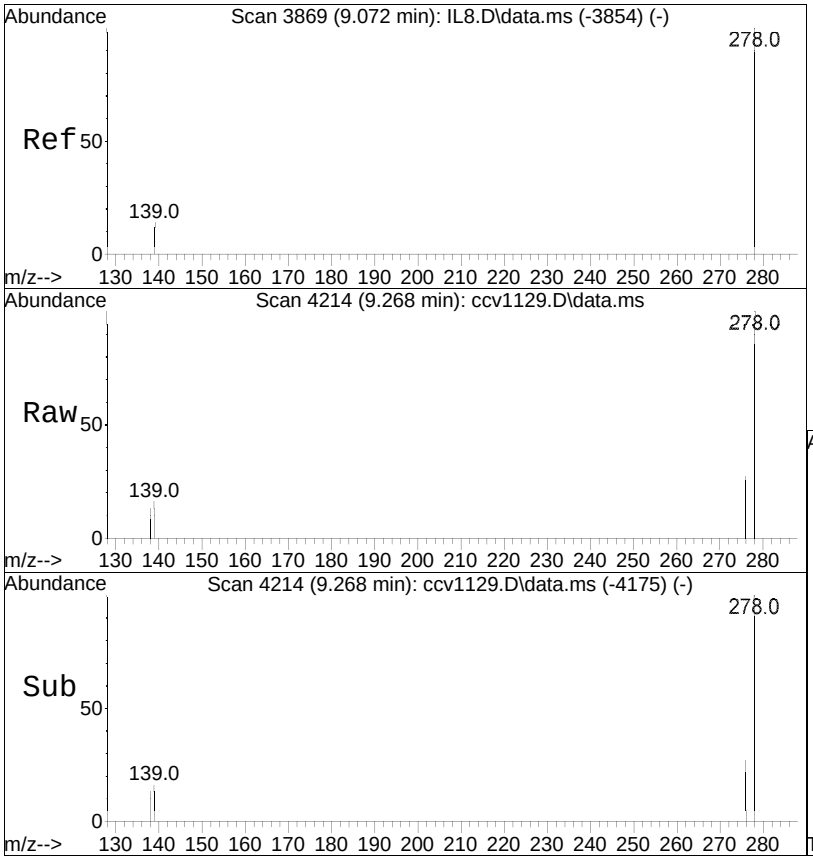


#41
Indeno[1,2,3-cd]pyrene
Concen: 1031.10 ng/ml
RT: 9.233 min Scan# 4197
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:276 Resp: 156184

Ion	Ratio	Lower	Upper
276	100		
138	19.6	16.4	24.6

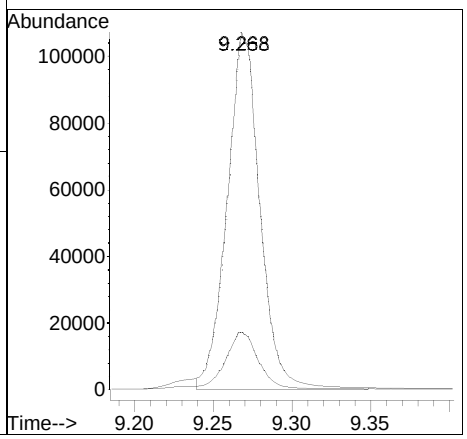


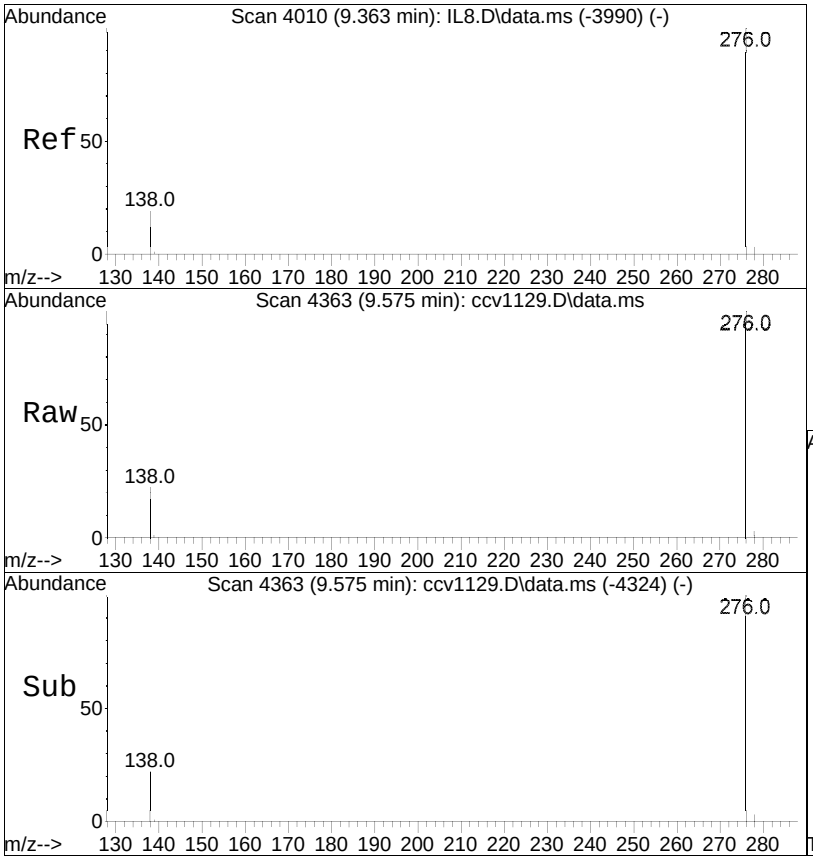


#42
Dibenzo[a,h]anthracene
Concen: 1100.59 ng/ml M6
RT: 9.268 min Scan# 4214
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:278 Resp: 154208

Ion	Ratio	Lower	Upper
278	100		
139	16.8	13.5	20.3

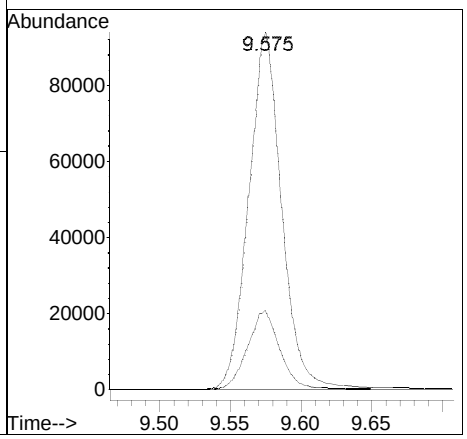




#43
Benzo[g,h,i]perylene
Concen: 1006.14 ng/ml
RT: 9.575 min Scan# 4363
Delta R.T. 0.000 min
Lab File: ccv1129.D
Acq: 29 Nov 2025 11:16 am

Tgt Ion:276 Resp: 149871

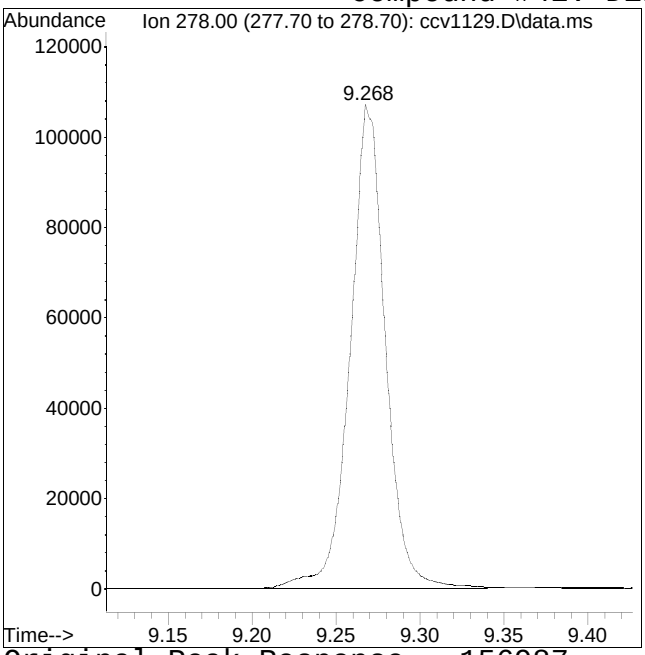
Ion	Ratio	Lower	Upper
276	100		
138	21.9	18.4	27.6



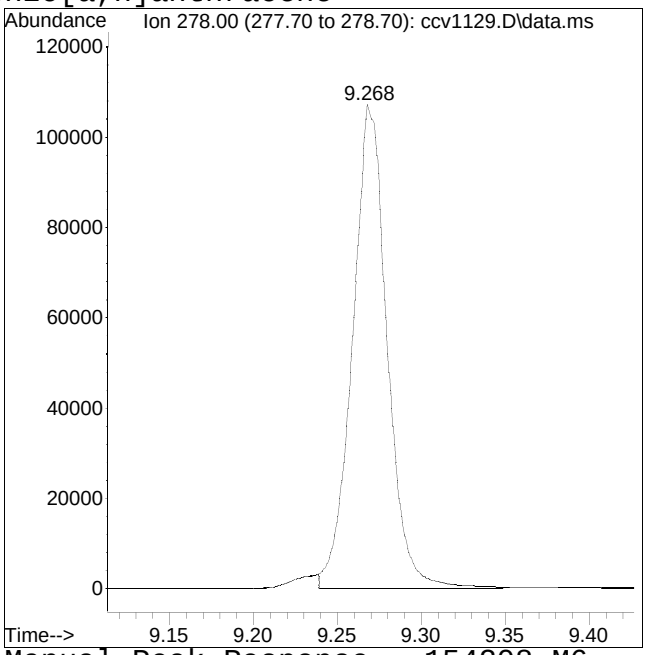
Manual Integration Report

Data Path : I:\8270SIM\sv119\251129RVTQMethod : SIM-RVT_251114_sv119.M
Data File : ccv1129.D Operator : sv119:jjw
Date Inj'd : 11/29/2025 11:16 am Instrument : SV119
Sample : WG2147402-3,32,,CCV 12036 Quant Date : 11/29/2025 11:32 am

Compound #42: Dibenzo[a,h]anthracene



Original Peak Response = 156987



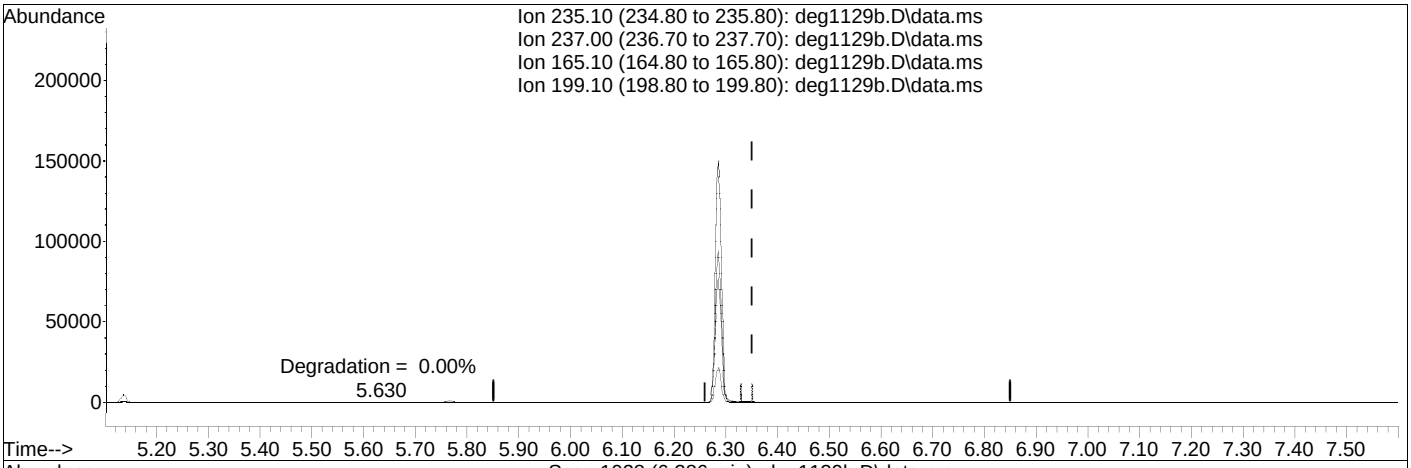
Manual Peak Response = 154208 M6

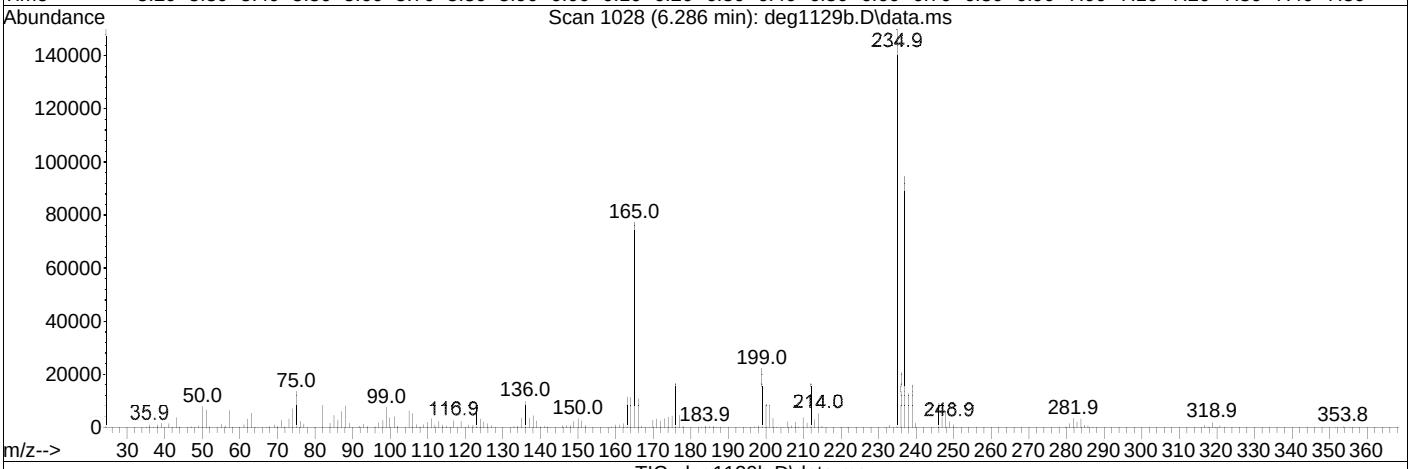
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\251129RVT\
Data File : deg1129b.D
Acq On : 29 Nov 2025 10:59 am
Operator : sv119:jjw
Sample : WG2147402-2,32,,dftpp SV119 lot# 12051
Misc : WG2147402,,ical22823
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 29 11:12:00 2025
Quant Method : I:\8270SIM\sv119\251129RVT\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Aug 30 16:19:40 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





TIC: deg1129b.D\data.ms

(6) ddt (T)

6.286min (-0.065) 19.45

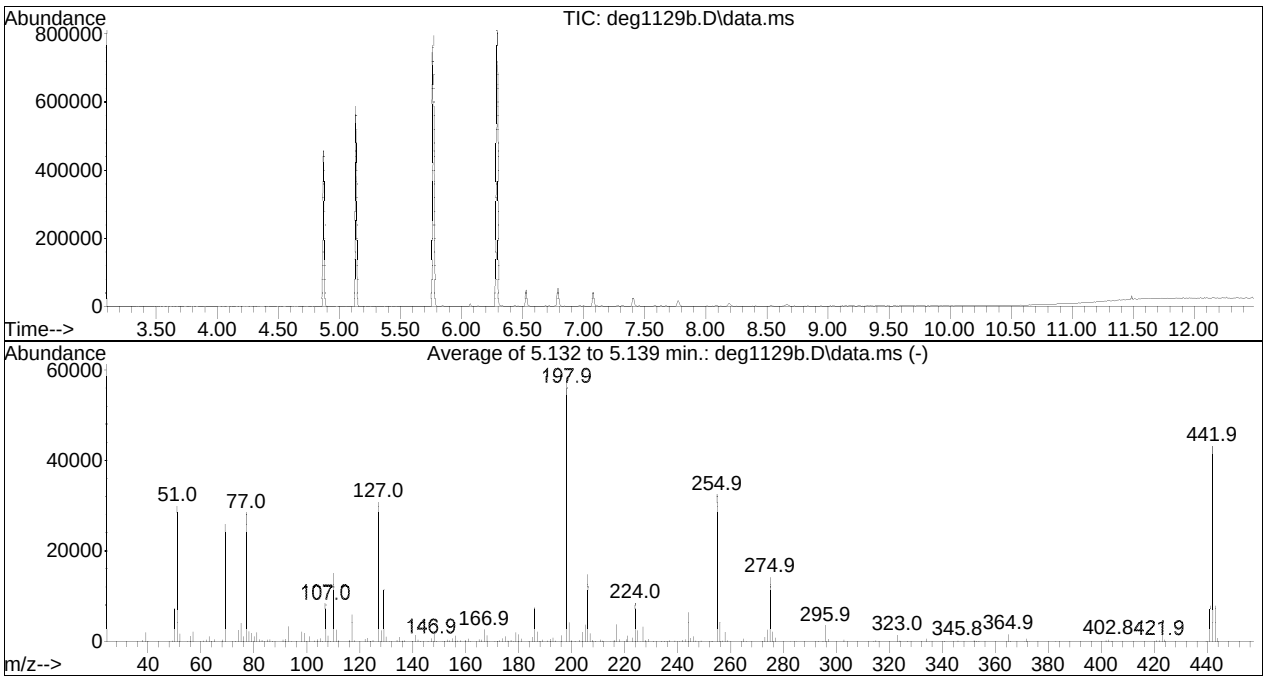
response 118558

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	62.29
165.10	53.30	51.61
199.10	17.10	14.62

Data Path : I:\8270SIM\sv119\251129RVT\
Data File : deg1129b.D
Acq On : 29 Nov 2025 10:59 am
Operator : sv119:jjw
Sample : WG2147402-1,32,,dftpp SV119 lot# 12051
Misc : WG2147402,,ical22823
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv119\251129RVT\SIM-RVT_251114_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Sat Nov 29 11:31:58 2025



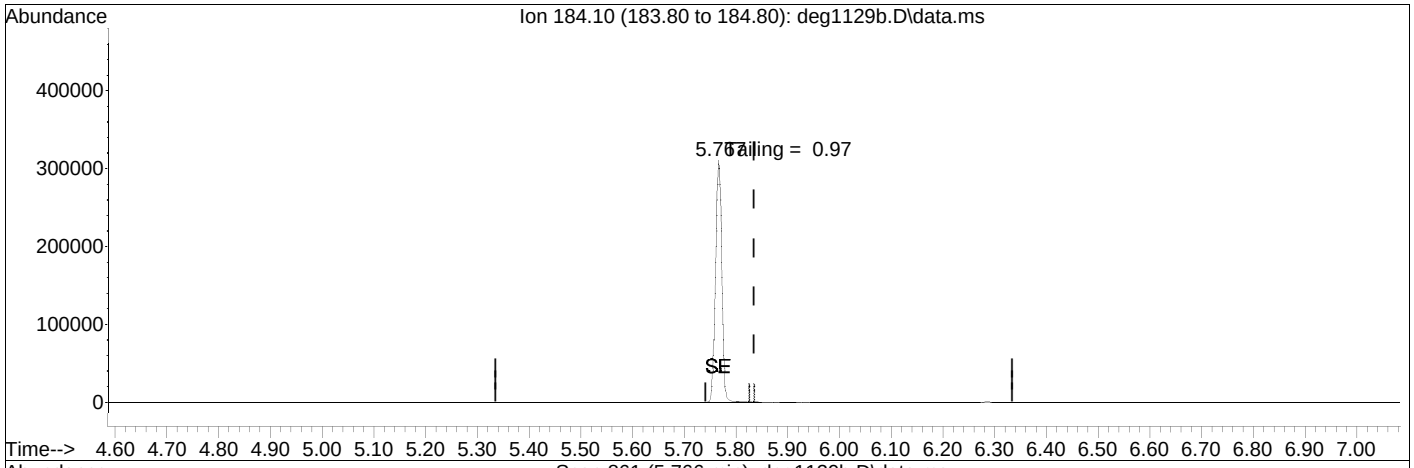
Spectrum Information: Average of 5.132 to 5.139 min.

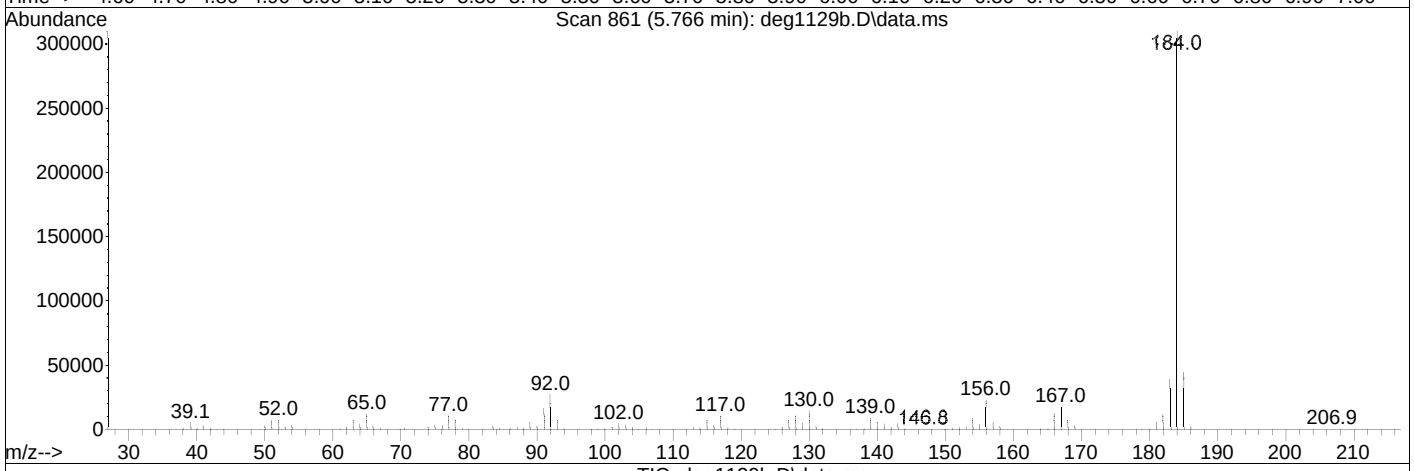
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	51.3	29891	PASS
68	69	0.00	2	1.9	479	PASS
69	69	100	100	100.0	25739	PASS
70	69	0.00	2	0.0	0	PASS
127	198	10	80	52.8	30760	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	58275	PASS
199	198	5	9	6.8	3989	PASS
275	198	10	60	24.3	14140	PASS
365	198	1	100	2.6	1532	PASS
441	442	0.01	24	18.2	7824	PASS
442	198	50	100	74.0	43107	PASS
443	442	15	24	18.1	7796	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\251129RVT\
Data File : deg1129b.D
Acq On : 29 Nov 2025 10:59 am
Operator : sv119:jjw
Sample : WG2147402-4,32,,dftpp SV119 lot# 12051
Misc : WG2147402,,ical22823
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 29 11:12:00 2025
Quant Method : I:\8270SIM\sv119\251129RVT\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Aug 30 16:19:40 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





TIC: deg1129b.D\data.ms

(3) benzidine (T)

5.766min (-0.069) 24.94

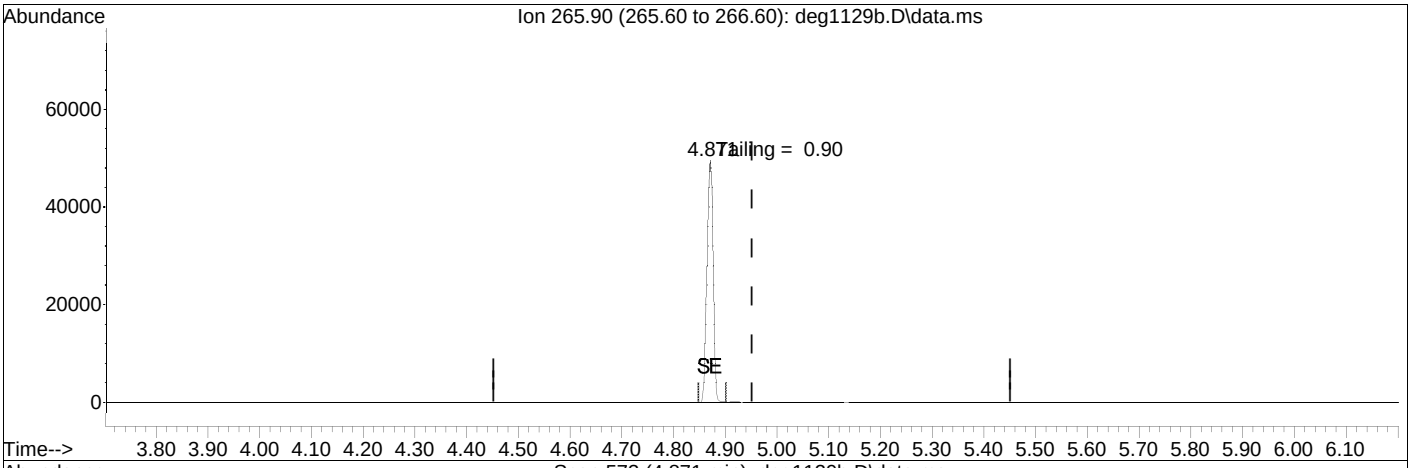
response 253914

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\251129RVT\
Data File : deg1129b.D
Acq On : 29 Nov 2025 10:59 am
Operator : sv119:jjw
Sample : WG2147402-5,32,,dftpp SV119 lot# 12051
Misc : WG2147402,,ical22823
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 29 11:12:00 2025
Quant Method : I:\8270SIM\sv119\251129RVT\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Aug 30 16:19:40 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



TIC: deg1129b.D\data.ms

(1) pentachlorophenol (T)

4.871min (-0.081) 18.38

response 38609

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Semivolatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251129RVT\
Data File : 147285-1.D
Acq On : 29 Nov 2025 02:19 pm
Operator : sv119:jjw
Sample : WG2147285-1,32,,csn
Misc : wg2147402,WG2147285,ical22823
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 30 14:28:00 2025
Quant Method : I:\8270sim\sv119\251129RVT\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 11:31:58 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\251129RVT\ccv1129.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.523	152	193814	4000.000	ng/ml	0.00
Standard Area 1 = 206861			Recovery = 93.69%			
9) Naphthalene-d8	3.225	136	725230	4000.000	ng/ml	0.00
Standard Area 1 = 789863			Recovery = 91.82%			
18) Acenaphthene-d10	4.266	164	428718	4000.000	ng/ml	0.00
Standard Area 1 = 438570			Recovery = 97.75%			
23) Phenanthrene-d10	5.161	188	836642	4000.000	ng/ml	0.00
Standard Area 1 = 882756			Recovery = 94.78%			
32) Chrysene-d12	6.789	240	578112	4000.000	ng/ml	0.00
Standard Area 1 = 719687			Recovery = 80.33%			
37) Perylene-d12	8.004	264	546075	4000.000	ng/ml	0.00
Standard Area 1 = 645429			Recovery = 84.61%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.898	112	28294	507.647	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 25.38%			
4) Phenol-d6	2.339	99	30263	443.907	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 22.20%			
8) Nitrobenzene-d5	2.822	82	36928	641.350	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 64.13%			
14) 2-Fluorobiphenyl	3.865	172	107032	738.505	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 73.85%			
22) 2,4,6-Tribromophenol	4.744	330	18365	994.329	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.72%			
31) 4-Terphenyl-d14	6.134	244	122668	678.346	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 67.83%			
Target Compounds						Qvalue
7) Hexachloroethane	0.000		0	N.D.	d	
10) Naphthalene	3.238	128	595M4	3.166	ng/ml	
11) Hexachlorobutadiene	0.000		0	N.D.	d	
12) 2-Methylnaphthalene	3.642	142	476	4.108	ng/ml	97
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	0.000		0	N.D.		
26) Pentachlorophenol	0.000		0	N.D.	d	

Data Path : I:\8270SIM\sv119\251129RVT\
Data File : 147285-1.D
Acq On : 29 Nov 2025 02:19 pm
Operator : sv119:jjw
Sample : WG2147285-1,32,,csn
Misc : wg2147402,WG2147285,ical22823
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 30 14:28:00 2025
Quant Method : I:\8270sim\sv119\251129RVT\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 11:31:58 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\251129RVT\ccv1129.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
33) Benzo[a]anthracene	0.000		0	N.D.	d	
35) Chrysene	0.000		0	N.D.	d	
38) Benzo[b]fluoranthene	0.000		0	N.D.	d	
39) Benzo[k]fluoranthene	0.000		0	N.D.	d	
40) Benzo[a]pyrene	0.000		0	N.D.	d	
41) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
42) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
43) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

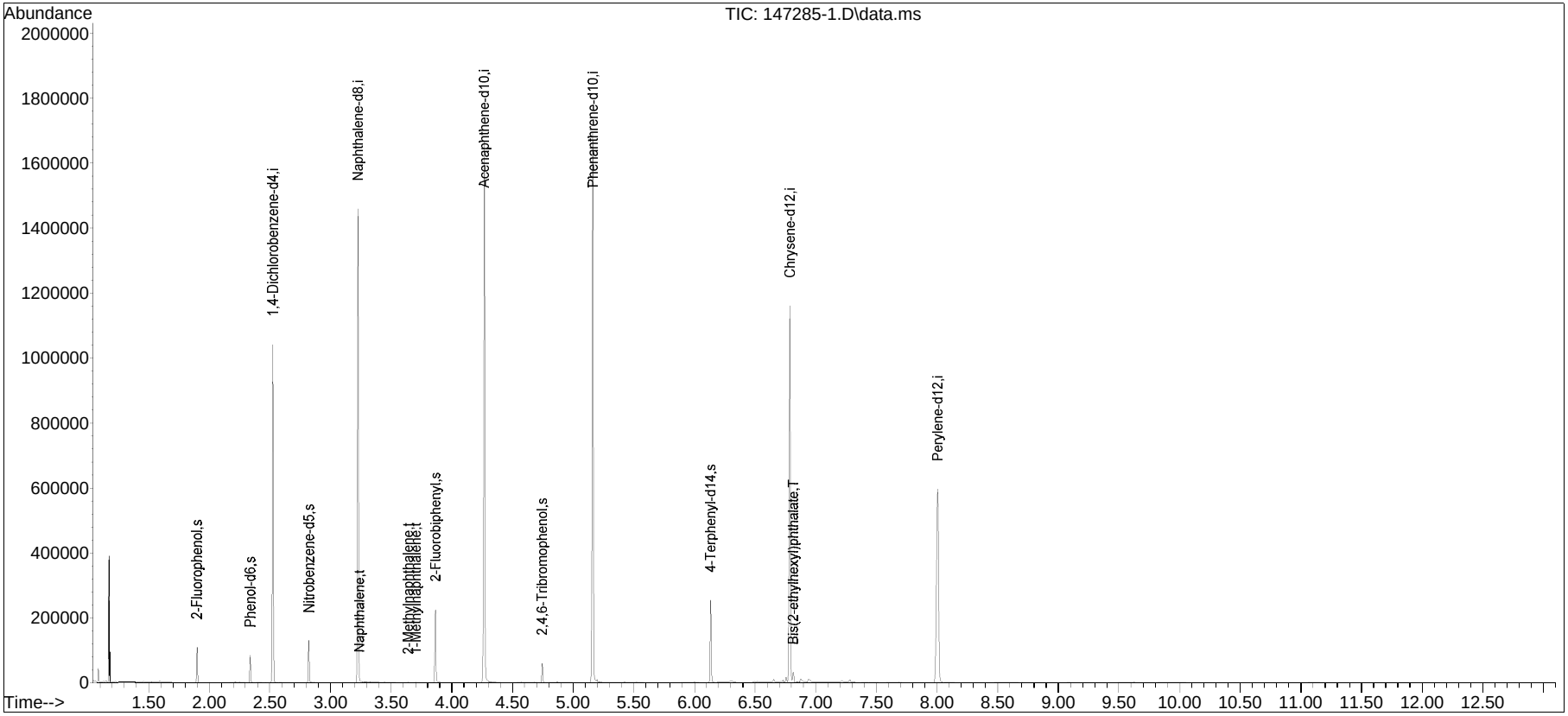
(#) = qualifier out of range (m) = manual integration (+) = signals summed

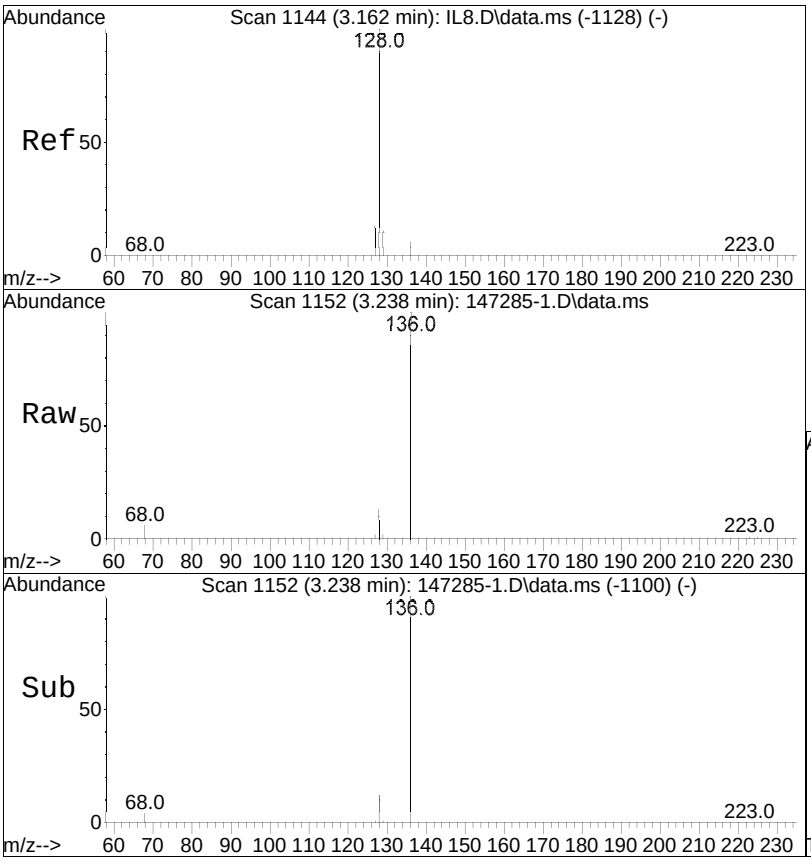
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251129RVT\
Data File : 147285-1.D
Acq On : 29 Nov 2025 02:19 pm
Operator : sv119:jjw
Sample : WG2147285-1,32,,csn
Misc : wg2147402,WG2147285,ical22823
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 30 14:28:00 2025
Quant Method : I:\8270sim\sv119\251129RVT\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 11:31:58 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1129.D•

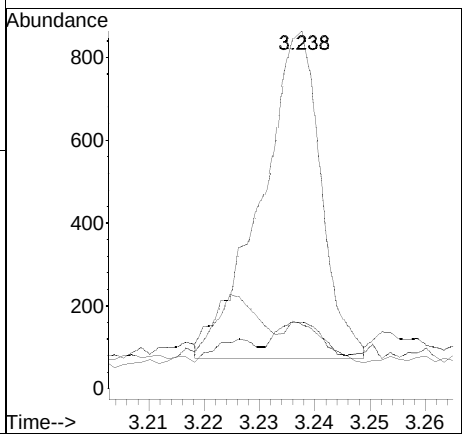


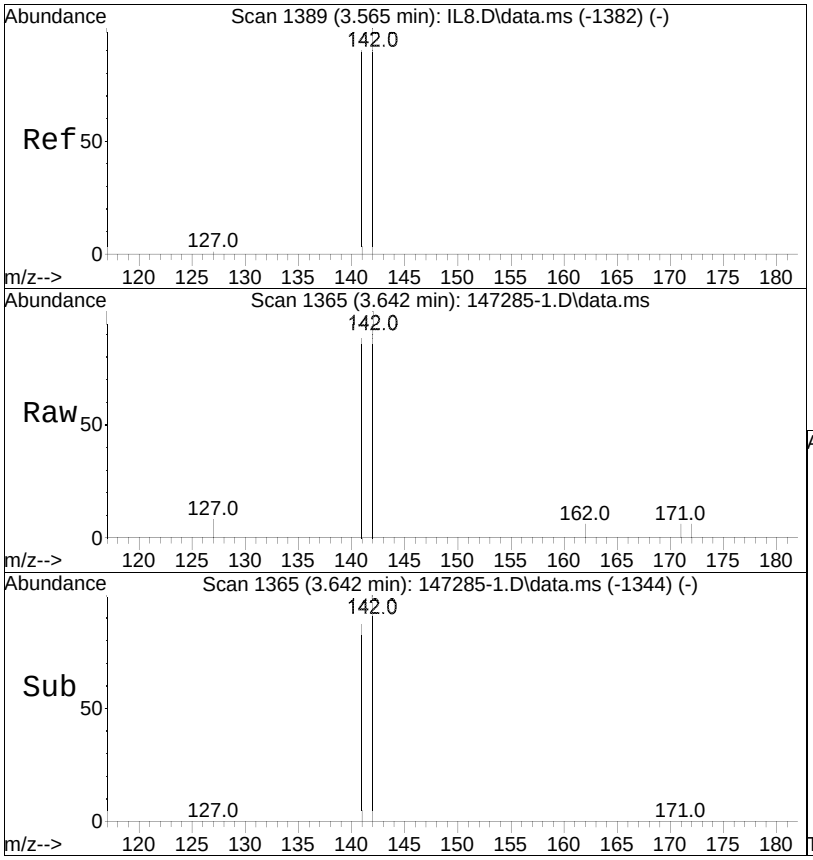


#10
Naphthalene
Concen: 3.17 ng/ml M4
RT: 3.238 min Scan# 1152
Delta R.T. 0.003 min
Lab File: 147285-1.D
Acq: 29 Nov 2025 02:19 pm

Tgt Ion:128 Resp: 595

Ion	Ratio	Lower	Upper
128	100		
129	8.9	8.8	13.2
127	11.1	10.5	15.7

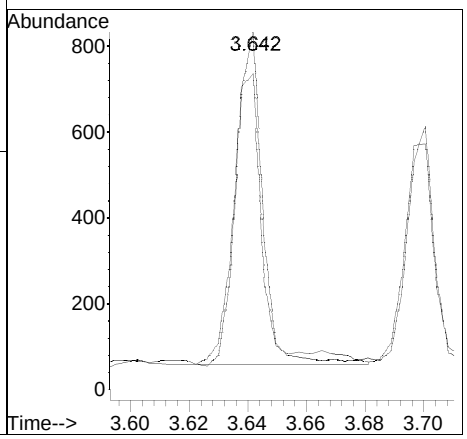




#12
2-Methylnaphthalene
Concen: 4.11 ng/ml
RT: 3.642 min Scan# 1365
Delta R.T. 0.004 min
Lab File: 147285-1.D
Acq: 29 Nov 2025 02:19 pm

Tgt Ion:142 Resp: 476

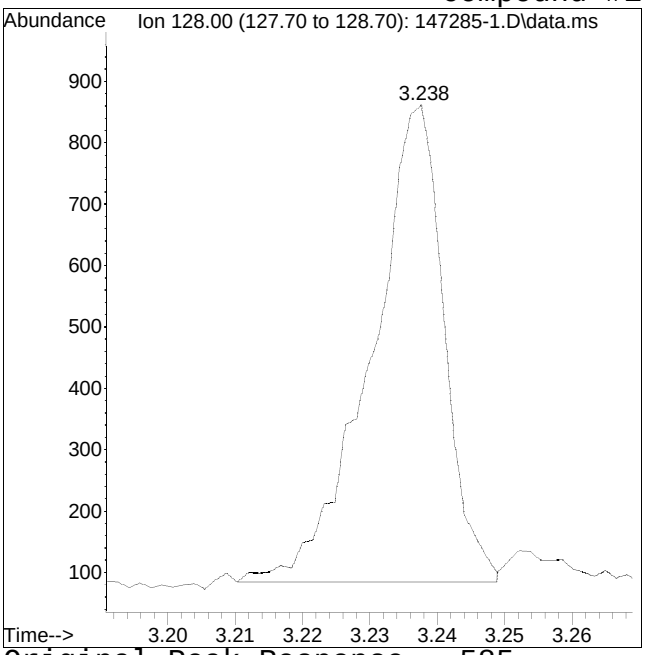
Ion	Ratio	Lower	Upper
142	100		
141	94.7	73.4	110.2



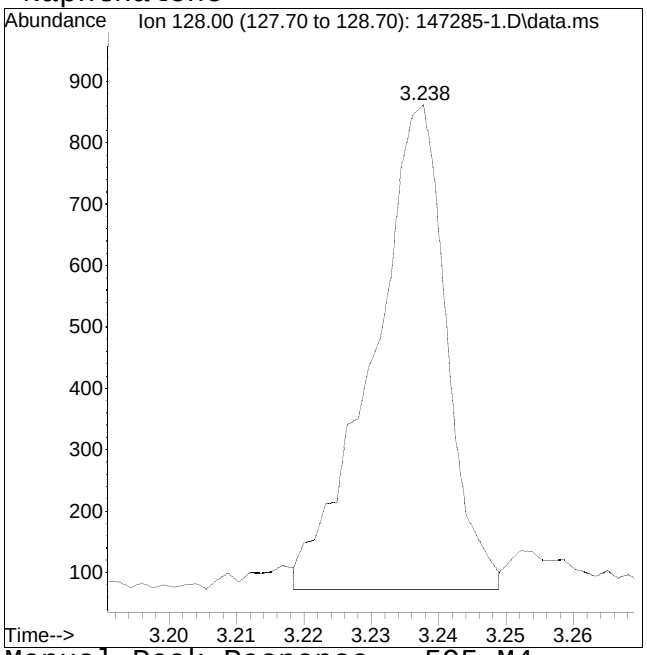
Manual Integration Report

Data Path : I:\8270SIM\sv119\251129RVTQMethod : SIM-RVT_251114_sv119.M
Data File : 147285-1.D Operator : sv119:jjw
Date Inj'd : 11/29/2025 2:19 pm Instrument : SV119
Sample : WG2147285-1,32,,csn Quant Date : 11/29/2025 2:32 pm

Compound #10: Naphthalene



Original Peak Response = 585



Manual Peak Response = 595 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251129RVT\
Data File : 147285-2.D
Acq On : 29 Nov 2025 01:43 pm
Operator : sv119:jjw
Sample : WG2147285-2,32,,csn
Misc : wg2147402,WG2147285,ical22823
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 30 14:25:15 2025
Quant Method : I:\8270sim\sv119\251129RVT\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 11:31:58 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\251129RVT\ccv1129.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.523	152	196482	4000.000	ng/ml	0.00
Standard Area 1 = 206861			Recovery = 94.98%			
9) Naphthalene-d8	3.226	136	771948	4000.000	ng/ml	0.00
Standard Area 1 = 789863			Recovery = 97.73%			
18) Acenaphthene-d10	4.267	164	453913	4000.000	ng/ml	0.00
Standard Area 1 = 438570			Recovery = 103.50%			
23) Phenanthrene-d10	5.162	188	865665	4000.000	ng/ml	0.00
Standard Area 1 = 882756			Recovery = 98.06%			
32) Chrysene-d12	6.791	240	553523	4000.000	ng/ml	0.00
Standard Area 1 = 719687			Recovery = 76.91%			
37) Perylene-d12	8.006	264	512505	4000.000	ng/ml	0.00
Standard Area 1 = 645429			Recovery = 79.41%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.901	112	48034	850.117	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 42.51%			
4) Phenol-d6	2.339	99	46449	672.076	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 33.60%			
8) Nitrobenzene-d5	2.822	82	42026	719.979	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 72.00%			
14) 2-Fluorobiphenyl	3.862	172	120972	784.174	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 78.42%			
22) 2,4,6-Tribromophenol	4.745	330	31180	1594.463	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 79.72%			
31) 4-Terphenyl-d14	6.136	244	123272	658.831	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 65.88%			
Target Compounds						Qvalue
7) Hexachloroethane	2.797	117	28259	1117.055	ng/ml	92
10) Naphthalene	3.237	128	236319	1181.305	ng/ml	100
11) Hexachlorobutadiene	3.316	225	43039	1307.554	ng/ml	99
12) 2-Methylnaphthalene	3.639	142	167307	1356.622	ng/ml	100
15) 2-Chloronaphthalene	3.929	162	190151	1452.418	ng/ml	94
17) Acenaphthylene	4.179	152	325938	1568.764	ng/ml	99
19) Acenaphthene	4.285	153	202480	1336.294	ng/ml	94
21) Fluorene	4.596	166	236700	1360.328	ng/ml	100
25) Hexachlorobenzene	4.936	284	76565	1619.057	ng/ml	94
26) Pentachlorophenol	5.060	266	25699	900.568	ng/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251129RVT\
Data File : 147285-2.D
Acq On : 29 Nov 2025 01:43 pm
Operator : sv119:jjw
Sample : WG2147285-2,32,,csn
Misc : wg2147402,WG2147285,ical22823
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 30 14:25:15 2025
Quant Method : I:\8270sim\sv119\251129RVT\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 11:31:58 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\251129RVT\ccv1129.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	5.177	178	334841	1386.166	ng/ml	100
28) Anthracene	5.207	178	346143	1460.470	ng/ml	100
29) Fluoranthene	5.898	202	345919	1285.540	ng/ml	97
30) Pyrene	6.036	202	343875	1228.359	ng/ml	100
33) Benzo[a]anthracene	6.783	226	75109	1401.584	ng/ml	99
35) Chrysene	6.807	228	250090	1405.427	ng/ml	100
38) Benzo[b]fluoranthene	7.635	252	242466	1474.930	ng/ml	100
39) Benzo[k]fluoranthene	7.657	252	228941	1396.860	ng/ml	100
40) Benzo[a]pyrene	7.944	252	215015	1481.395	ng/ml	100
41) Indeno[1,2,3-cd]pyrene	9.233	276	225597	1875.631	ng/ml	98
42) Dibenzo[a,h]anthracene	9.270	278	212558M6	1910.504	ng/ml	
43) Benzo[g,h,i]perylene	9.579	276	206800	1748.396	ng/ml	98

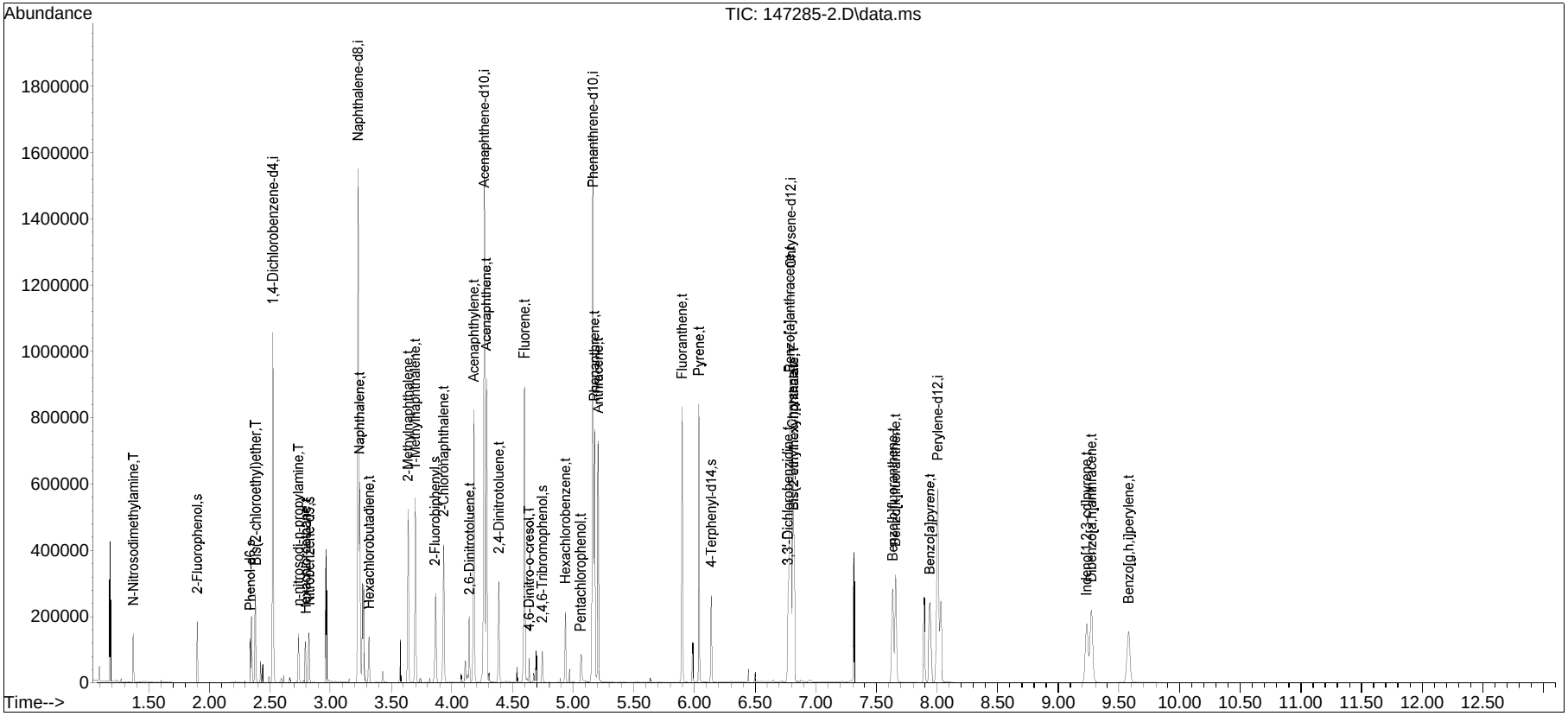
(#) = qualifier out of range (m) = manual integration (+) = signals summed

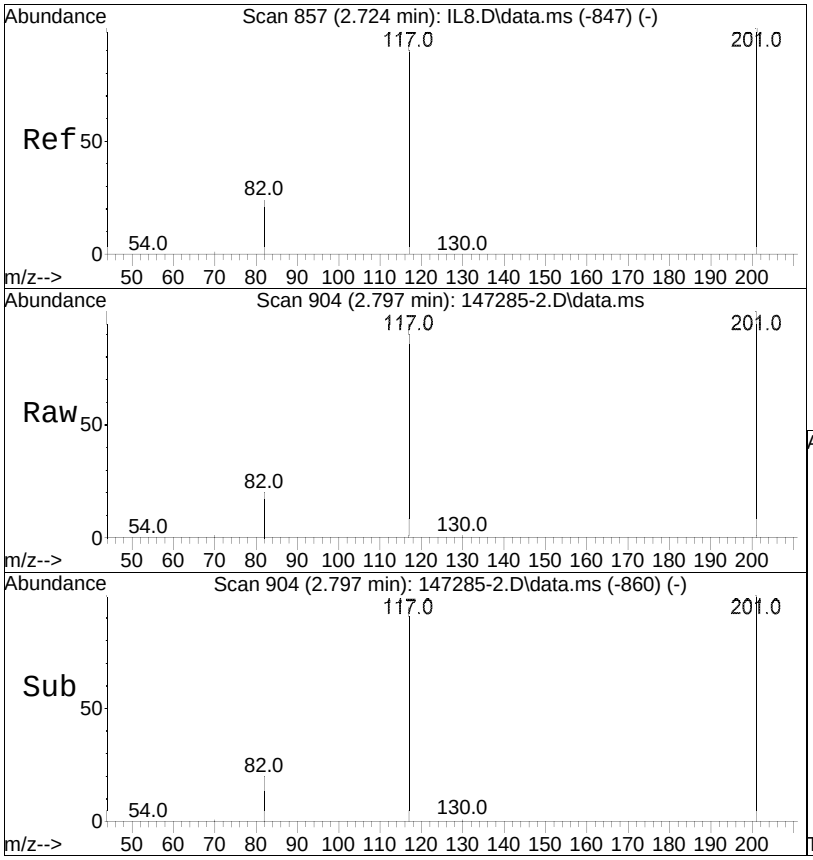
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251129RVT\
Data File : 147285-2.D
Acq On : 29 Nov 2025 01:43 pm
Operator : sv119:jjw
Sample : WG2147285-2,32,,csn
Misc : wg2147402,WG2147285,ical22823
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 30 14:25:15 2025
Quant Method : I:\8270sim\sv119\251129RVT\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 11:31:58 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1129.D•

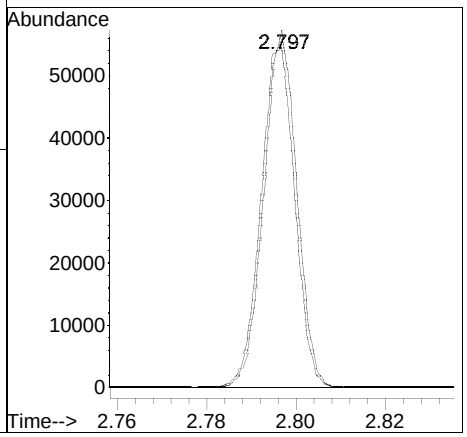


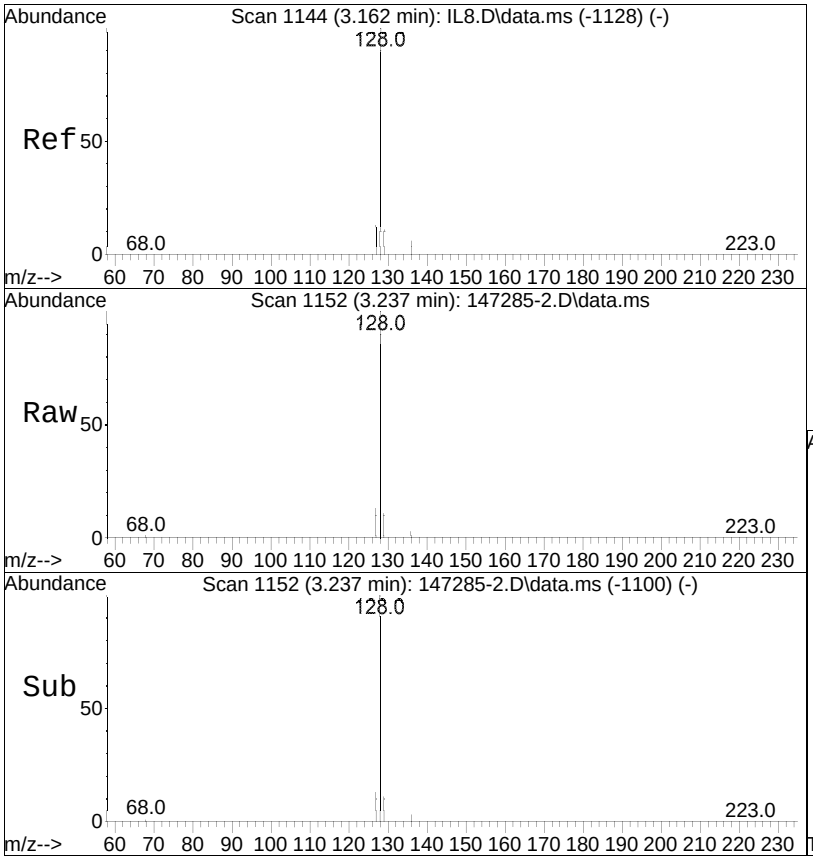


#7
Hexachloroethane
Concen: 1117.06 ng/ml
RT: 2.797 min Scan# 904
Delta R.T. 0.004 min
Lab File: 147285-2.D
Acq: 29 Nov 2025 01:43 pm

Tgt Ion:117 Resp: 28259

Ion	Ratio	Lower	Upper
117	100		
201	102.1	75.4	113.0

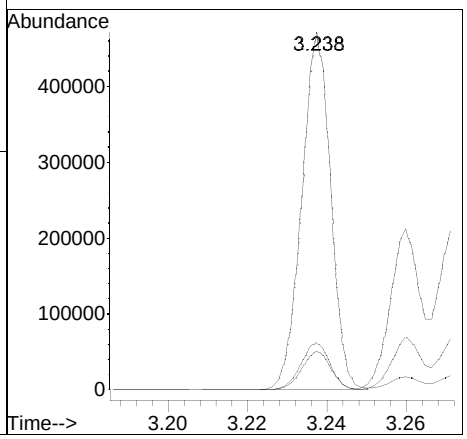


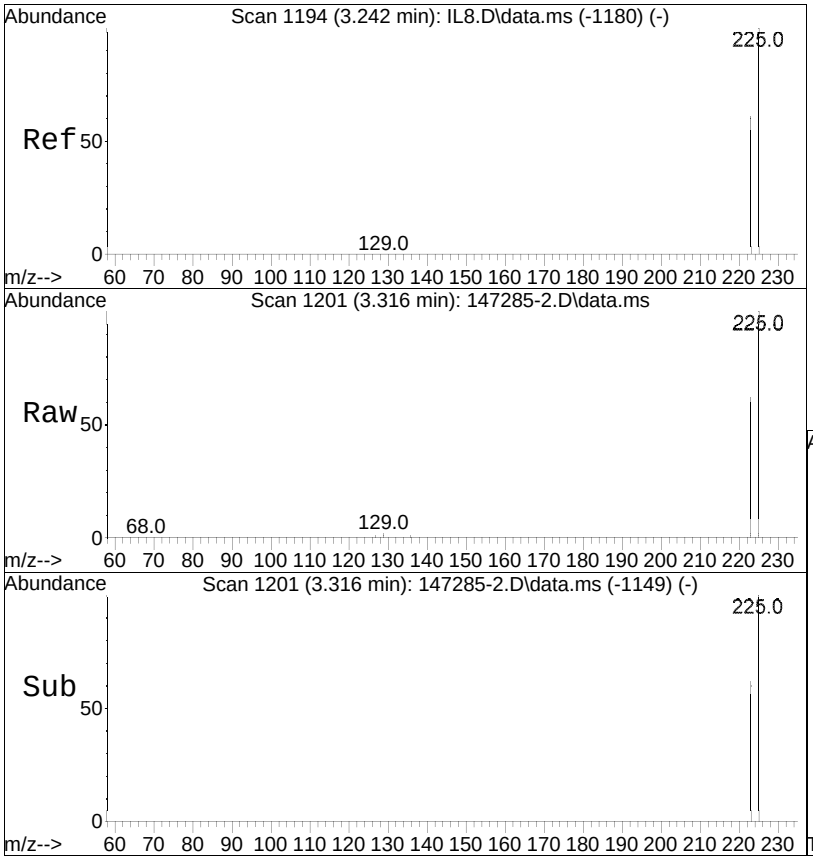


#10
Naphthalene
Concen: 1181.31 ng/ml
RT: 3.237 min Scan# 1152
Delta R.T. 0.003 min
Lab File: 147285-2.D
Acq: 29 Nov 2025 01:43 pm

Tgt Ion:128 Resp: 236319

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.4	10.5	15.7

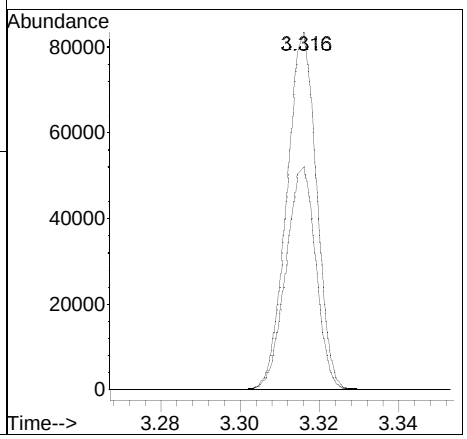


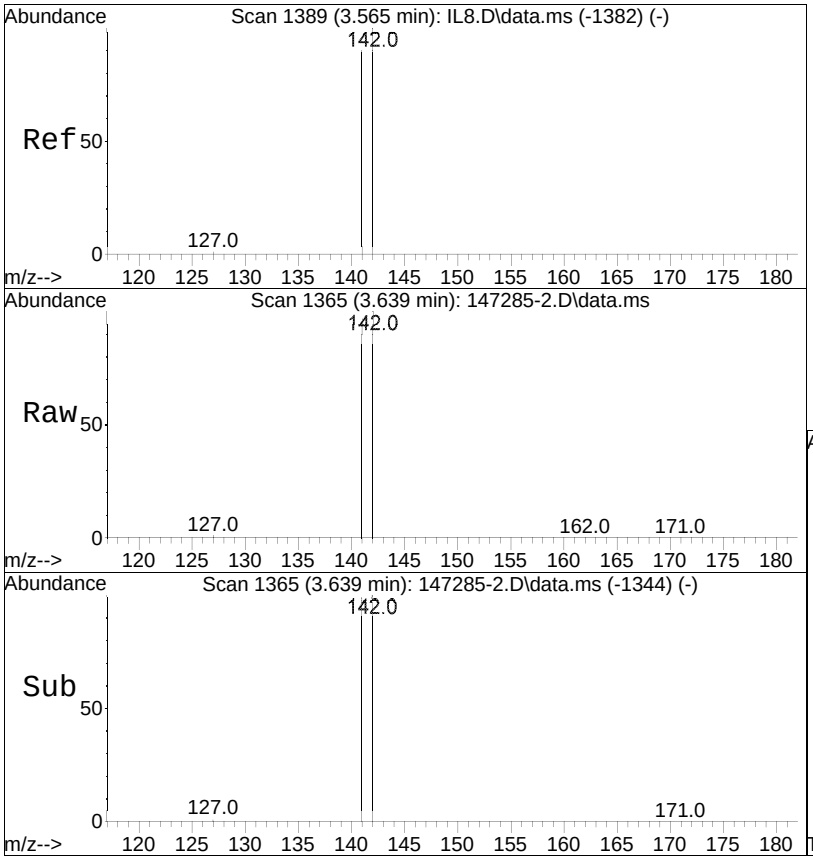


#11
Hexachlorobutadiene
Concen: 1307.55 ng/ml
RT: 3.316 min Scan# 1201
Delta R.T. 0.003 min
Lab File: 147285-2.D
Acq: 29 Nov 2025 01:43 pm

Tgt Ion:225 Resp: 43039

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.7	76.1

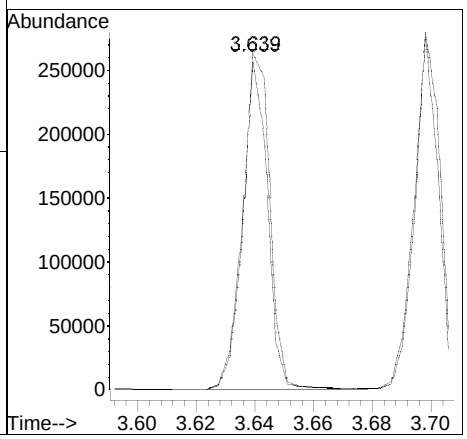


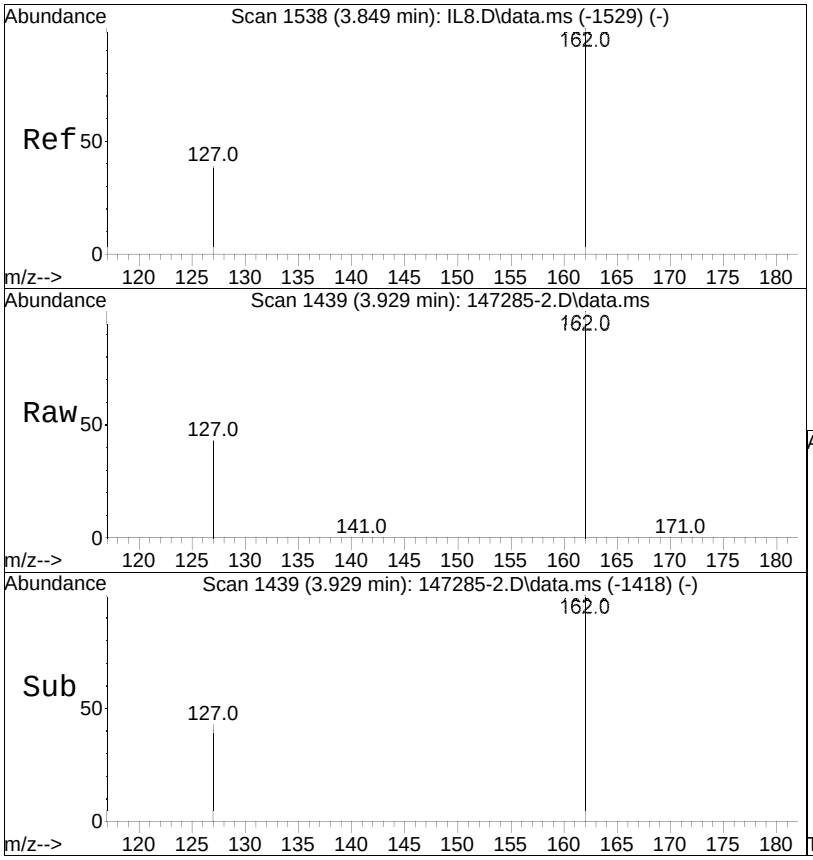


#12
2-Methylnaphthalene
Concen: 1356.62 ng/ml
RT: 3.639 min Scan# 1365
Delta R.T. 0.002 min
Lab File: 147285-2.D
Acq: 29 Nov 2025 01:43 pm

Tgt Ion:142 Resp: 167307

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.4	110.2

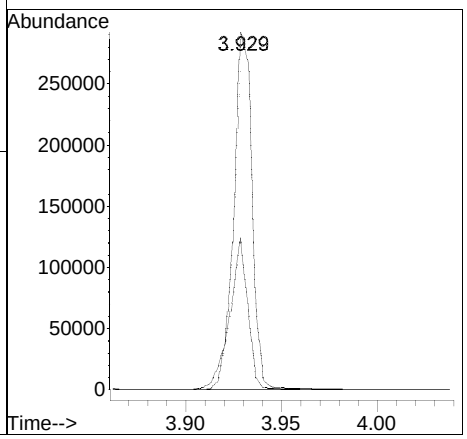


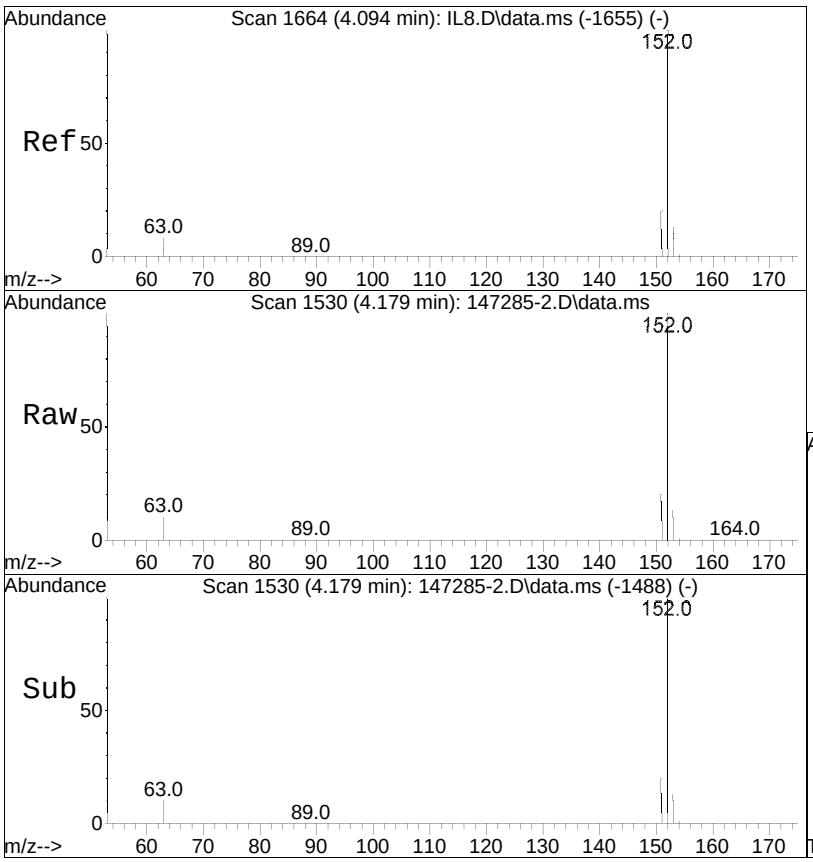


#15
2-Chloronaphthalene
Concen: 1452.42 ng/ml
RT: 3.929 min Scan# 1439
Delta R.T. 0.002 min
Lab File: 147285-2.D
Acq: 29 Nov 2025 01:43 pm

Tgt Ion:162 Resp: 190151

Ion	Ratio	Lower	Upper
162	100		
127	42.5	31.1	46.7

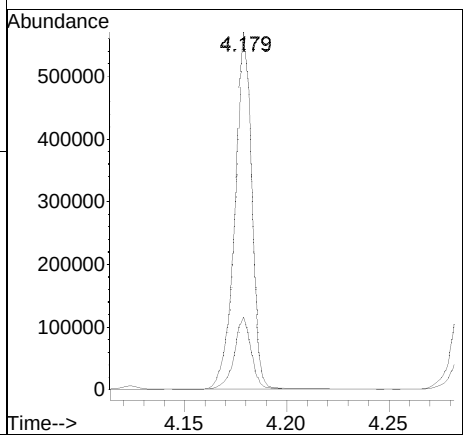


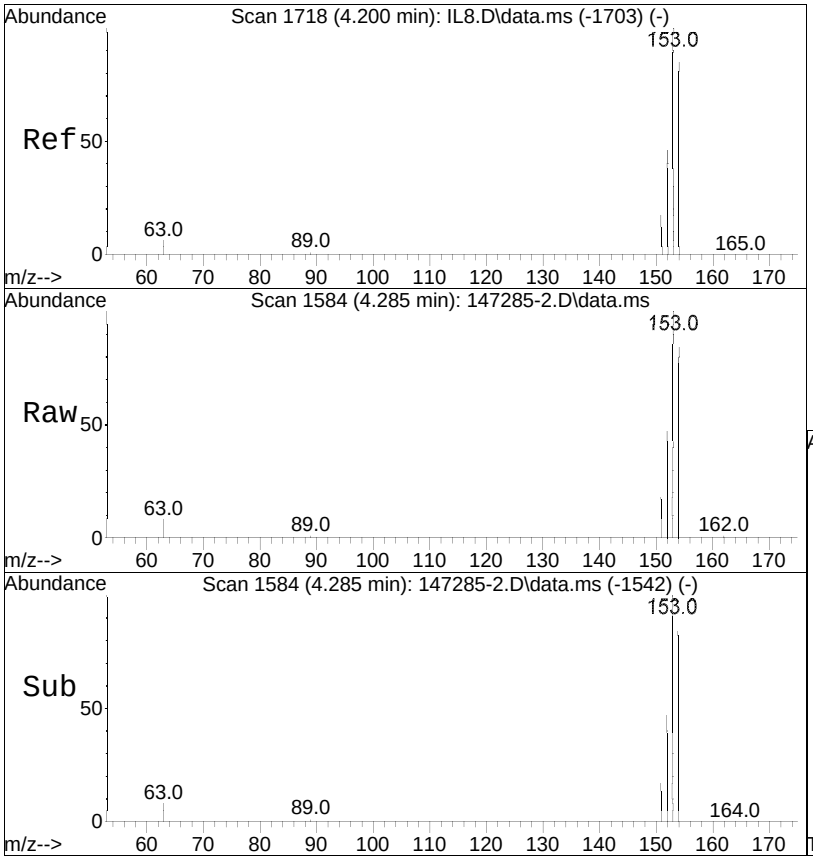


#17
Acenaphthylene
Concen: 1568.76 ng/ml
RT: 4.179 min Scan# 1530
Delta R.T. 0.002 min
Lab File: 147285-2.D
Acq: 29 Nov 2025 01:43 pm

Tgt Ion:152 Resp: 325938

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.9	23.9

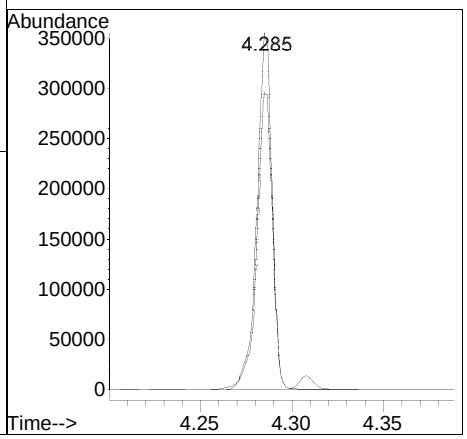


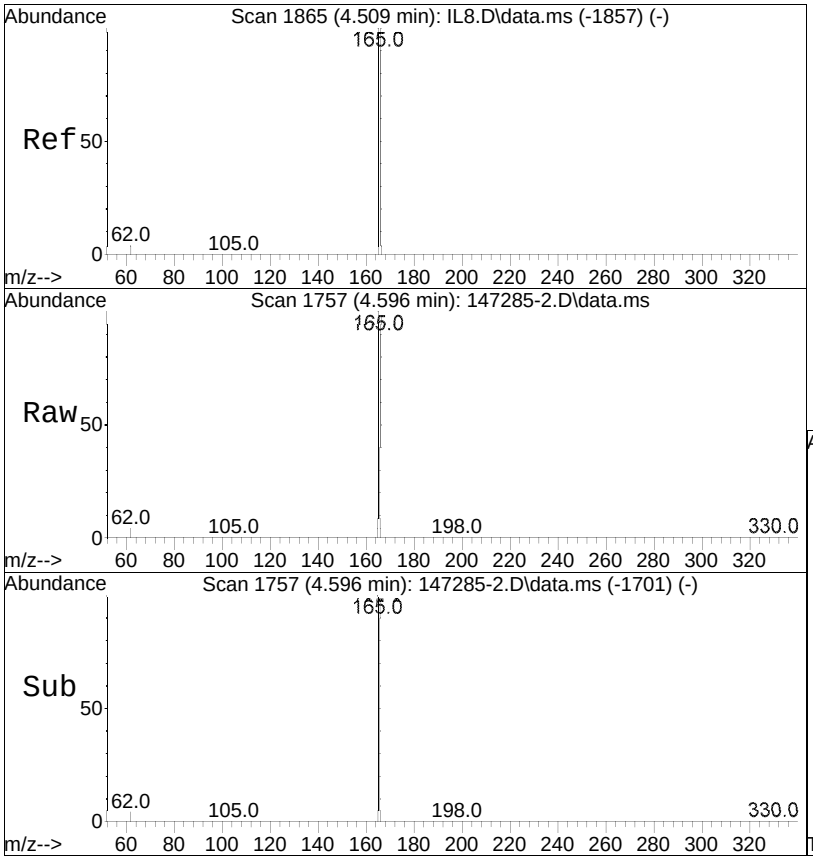


#19
Acenaphthene
Concen: 1336.29 ng/ml
RT: 4.285 min Scan# 1584
Delta R.T. 0.002 min
Lab File: 147285-2.D
Acq: 29 Nov 2025 01:43 pm

Tgt Ion:153 Resp: 202480

Ion	Ratio	Lower	Upper
153	100		
154	84.8	72.6	108.8

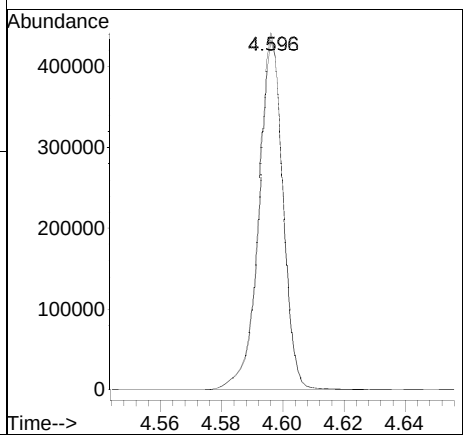


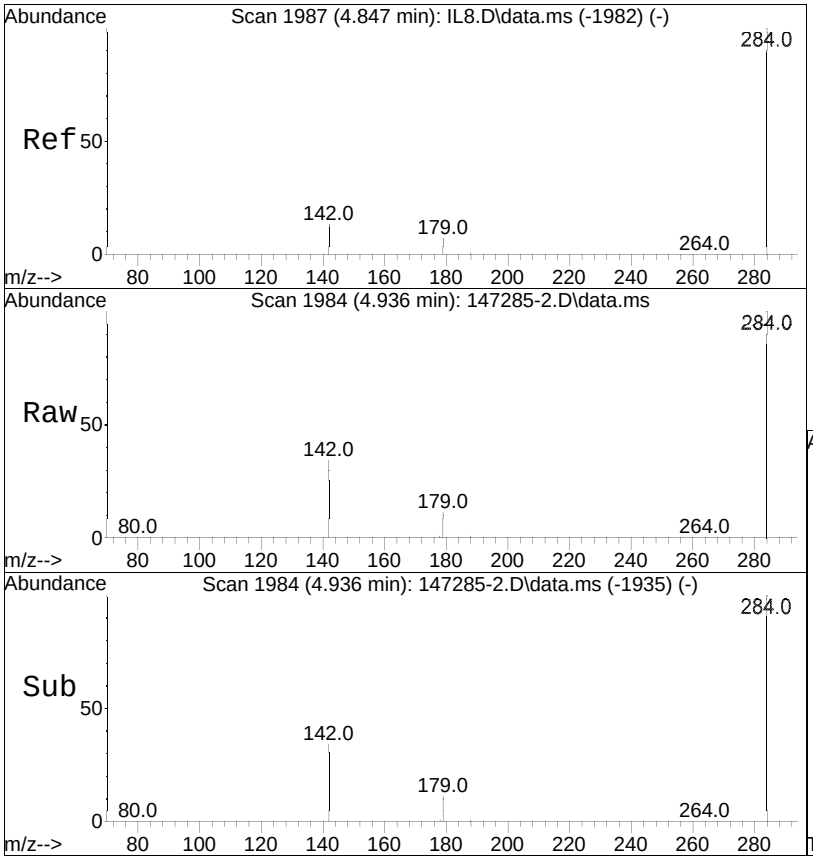


#21
Fluorene
Concen: 1360.33 ng/ml
RT: 4.596 min Scan# 1757
Delta R.T. 0.002 min
Lab File: 147285-2.D
Acq: 29 Nov 2025 01:43 pm

Tgt Ion:166 Resp: 236700

Ion	Ratio	Lower	Upper
166	100		
165	102.2	81.6	122.4

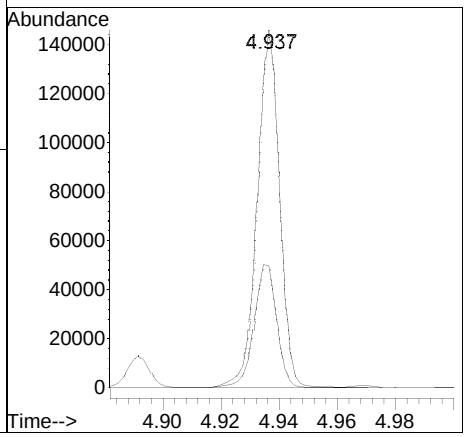


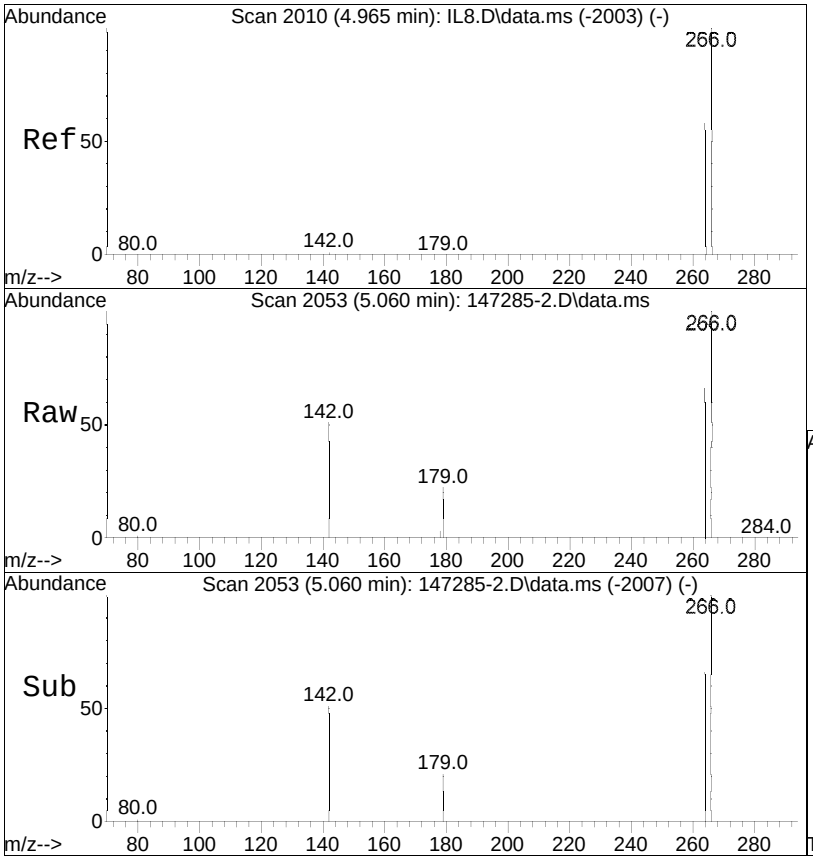


#25
Hexachlorobenzene
Concen: 1619.06 ng/ml
RT: 4.936 min Scan# 1984
Delta R.T. 0.003 min
Lab File: 147285-2.D
Acq: 29 Nov 2025 01:43 pm

Tgt Ion:284 Resp: 76565

Ion	Ratio	Lower	Upper
284	100		
142	35.4	31.1	46.7

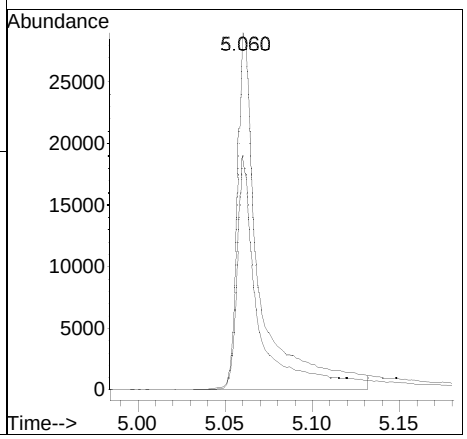


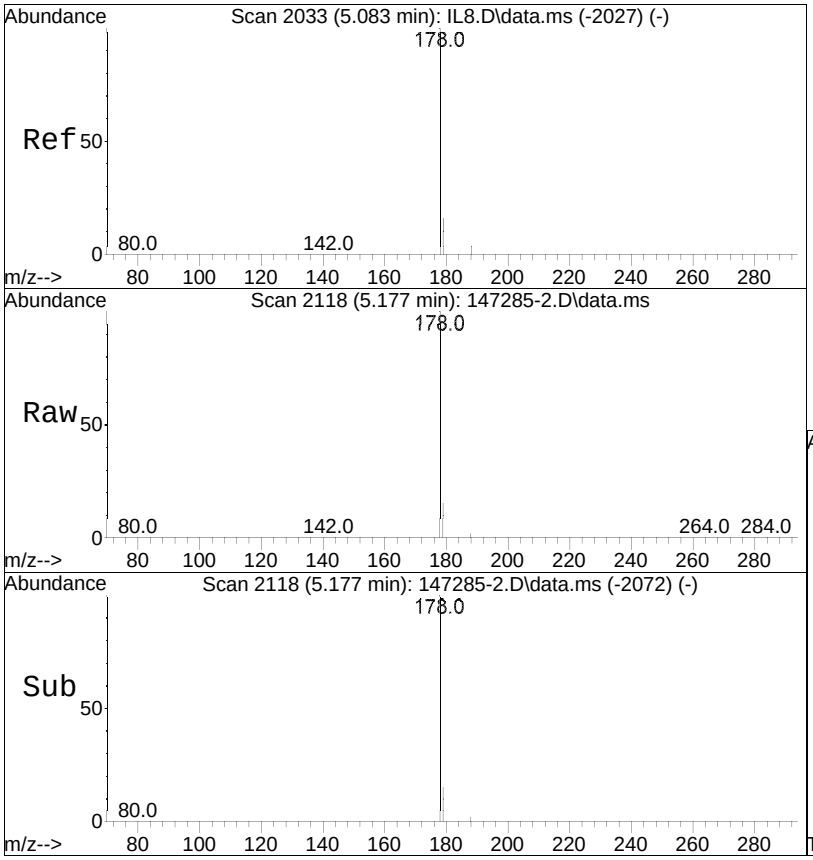


#26
Pentachlorophenol
Concen: 900.57 ng/ml
RT: 5.060 min Scan# 2053
Delta R.T. 0.003 min
Lab File: 147285-2.D
Acq: 29 Nov 2025 01:43 pm

Tgt Ion:266 Resp: 25699

Ion	Ratio	Lower	Upper
266	100		
264	60.8	51.0	76.4

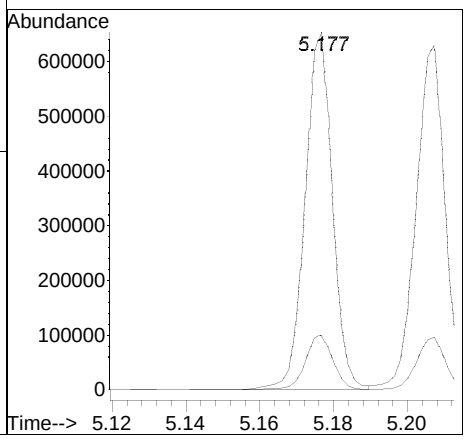


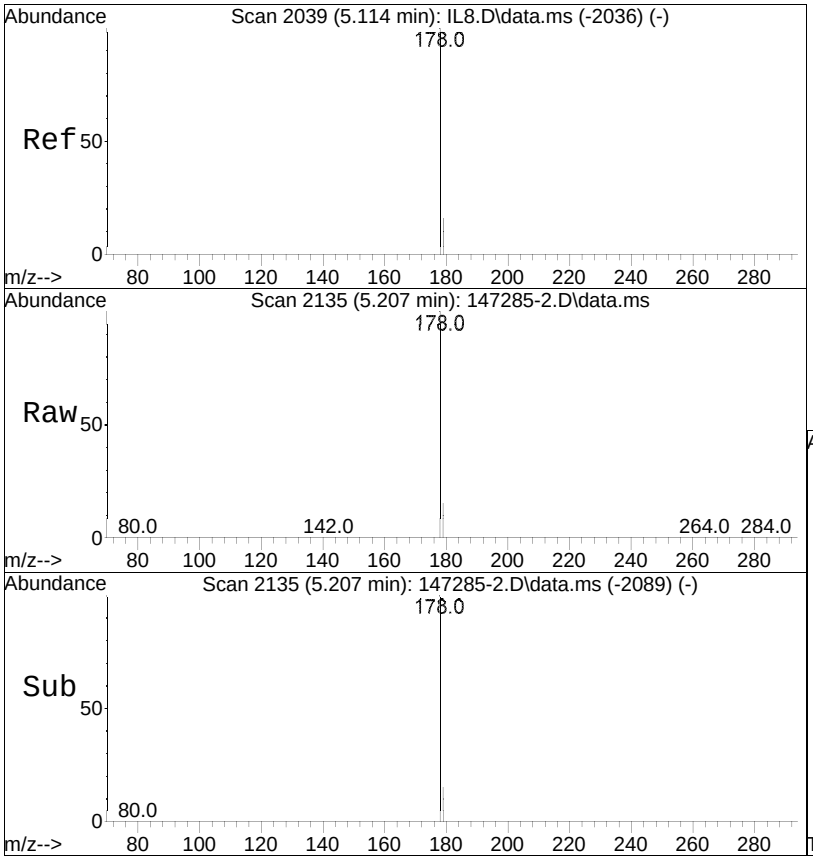


#27
Phenanthrene
Concen: 1386.17 ng/ml
RT: 5.177 min Scan# 2118
Delta R.T. 0.003 min
Lab File: 147285-2.D
Acq: 29 Nov 2025 01:43 pm

Tgt Ion:178 Resp: 334841

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6

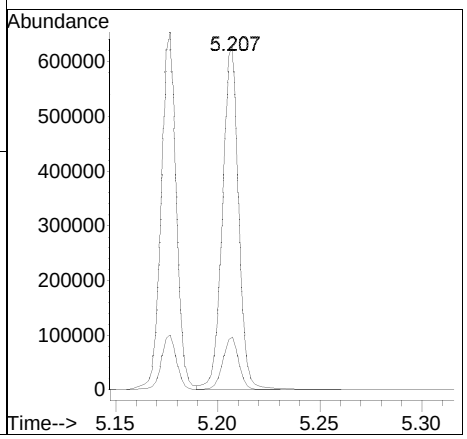


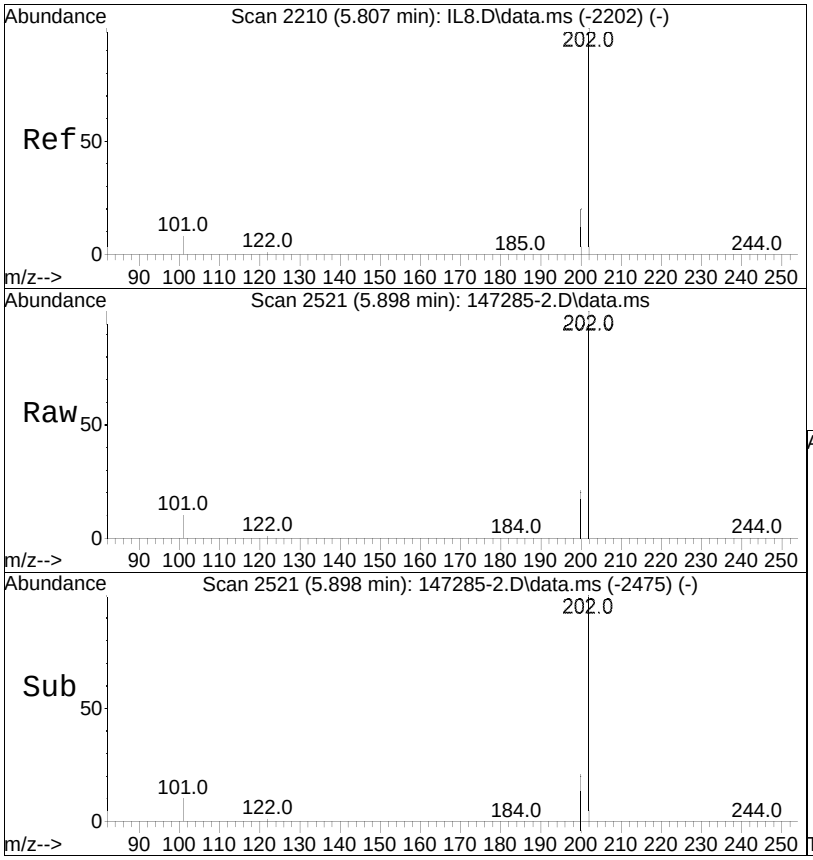


#28
Anthracene
Concen: 1460.47 ng/ml
RT: 5.207 min Scan# 2135
Delta R.T. 0.003 min
Lab File: 147285-2.D
Acq: 29 Nov 2025 01:43 pm

Tgt Ion:178 Resp: 346143

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5

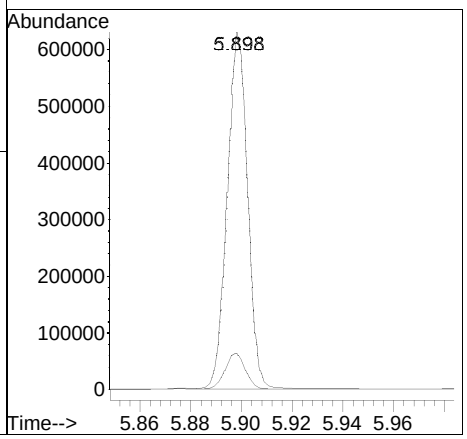


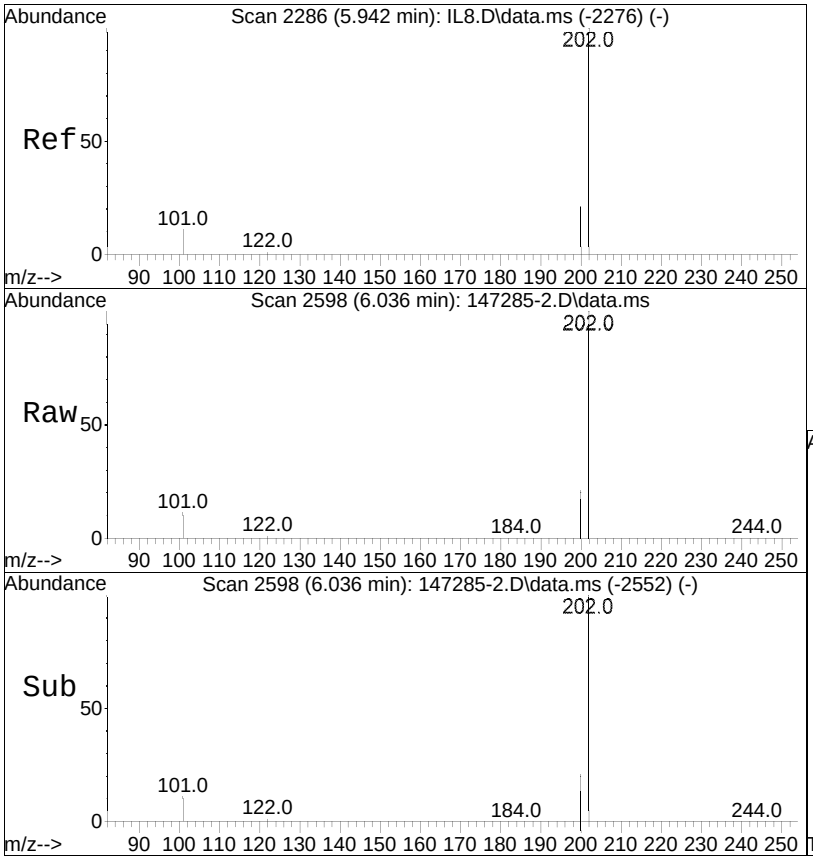


#29
Fluoranthene
Concen: 1285.54 ng/ml
RT: 5.898 min Scan# 2521
Delta R.T. 0.001 min
Lab File: 147285-2.D
Acq: 29 Nov 2025 01:43 pm

Tgt Ion:202 Resp: 345919

Ion	Ratio	Lower	Upper
202	100		
101	10.2	9.1	13.7

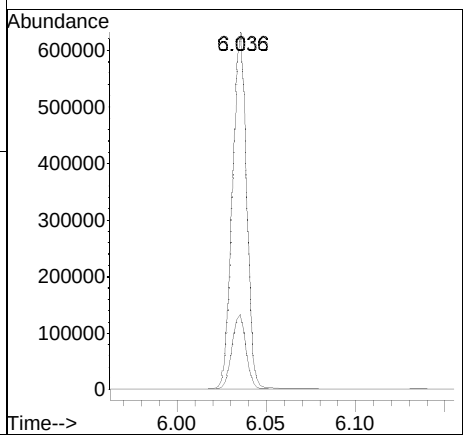


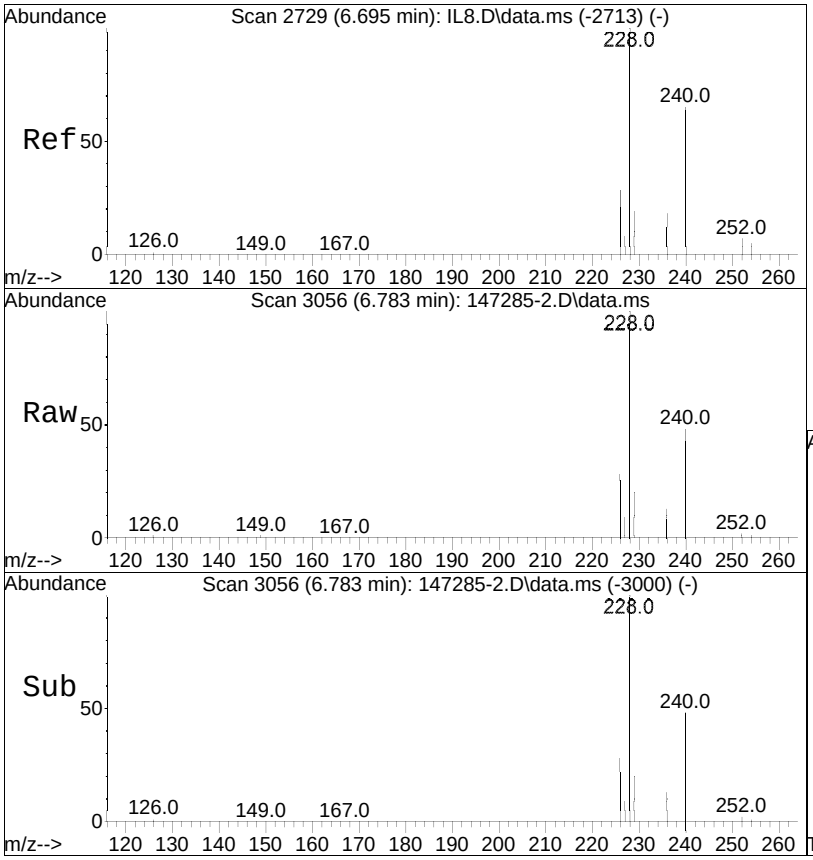


#30
Pyrene
Concen: 1228.36 ng/ml
RT: 6.036 min Scan# 2598
Delta R.T. 0.001 min
Lab File: 147285-2.D
Acq: 29 Nov 2025 01:43 pm

Tgt Ion:202 Resp: 343875

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2

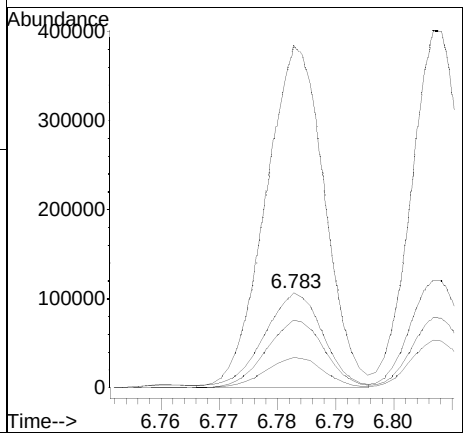


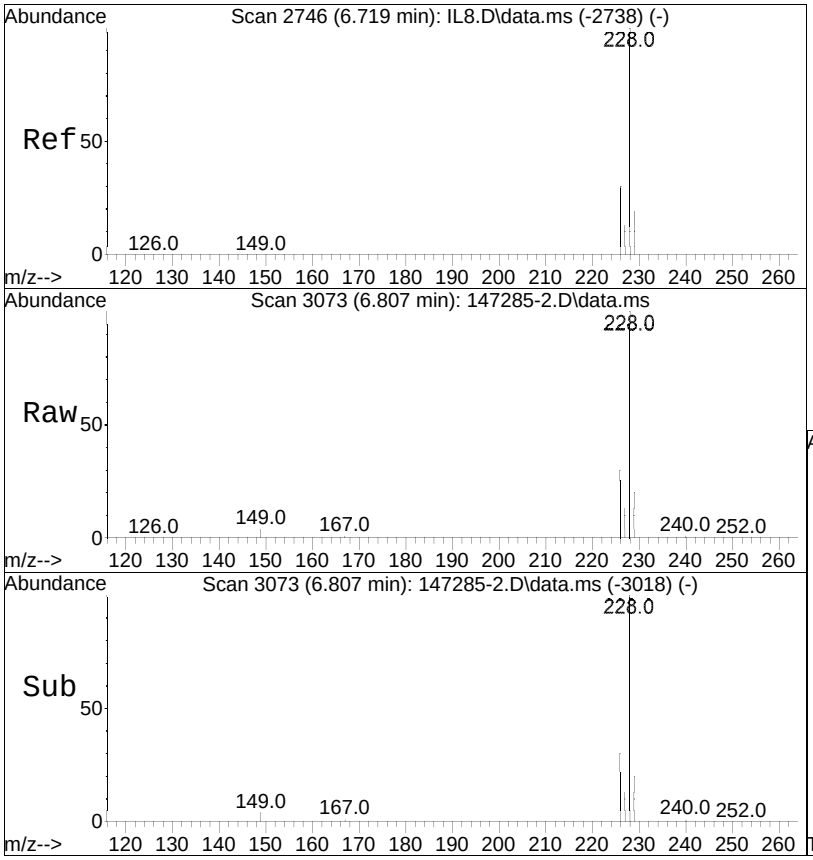


#33
Benzo[a]anthracene
Concen: 1401.58 ng/ml
RT: 6.783 min Scan# 3056
Delta R.T. -0.002 min
Lab File: 147285-2.D
Acq: 29 Nov 2025 01:43 pm

Tgt Ion:226 Resp: 75109

Ion	Ratio	Lower	Upper
226	100		
227	31.3	24.1	36.1
228	358.6	288.2	432.2
229	70.2	56.6	84.8

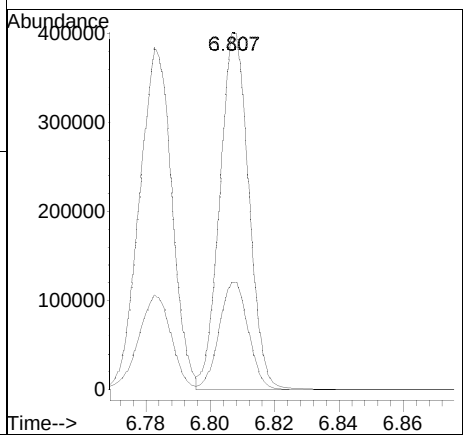


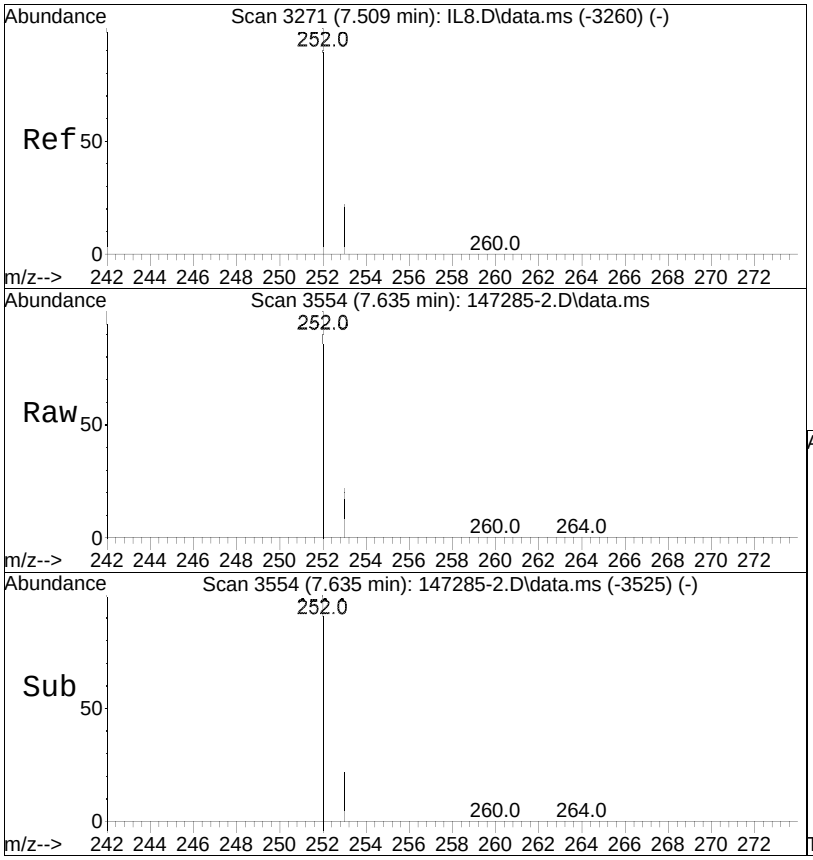


#35
Chrysene
Concen: 1405.43 ng/ml
RT: 6.807 min Scan# 3073
Delta R.T. -0.003 min
Lab File: 147285-2.D
Acq: 29 Nov 2025 01:43 pm

Tgt Ion:228 Resp: 250090

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.1	36.1

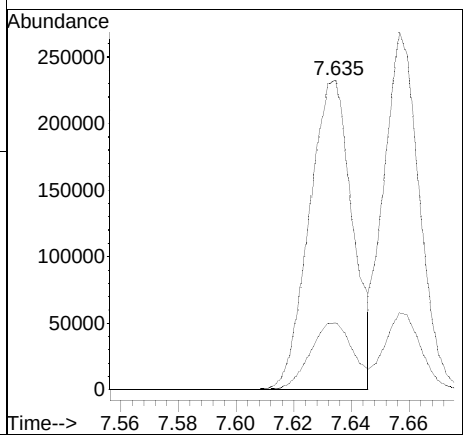


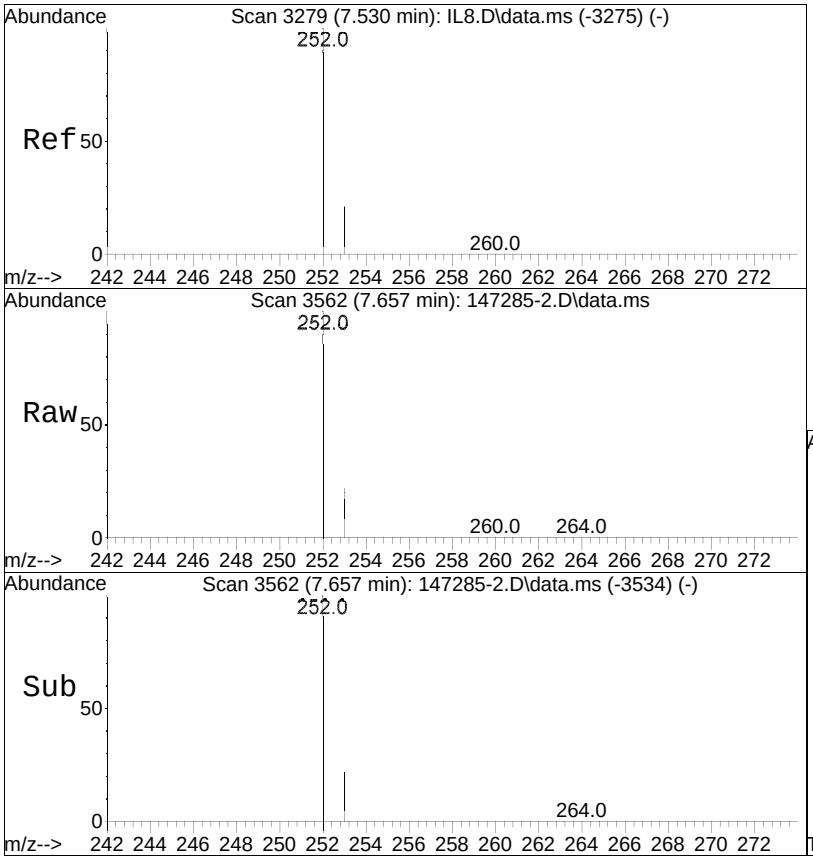


#38
Benzo[b]fluoranthene
Concen: 1474.93 ng/ml
RT: 7.635 min Scan# 3554
Delta R.T. -0.000 min
Lab File: 147285-2.D
Acq: 29 Nov 2025 01:43 pm

Tgt Ion:252 Resp: 242466

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9

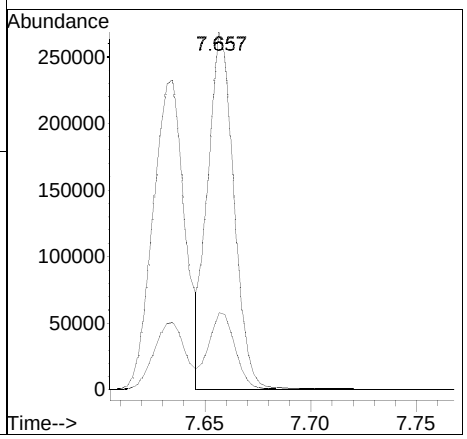


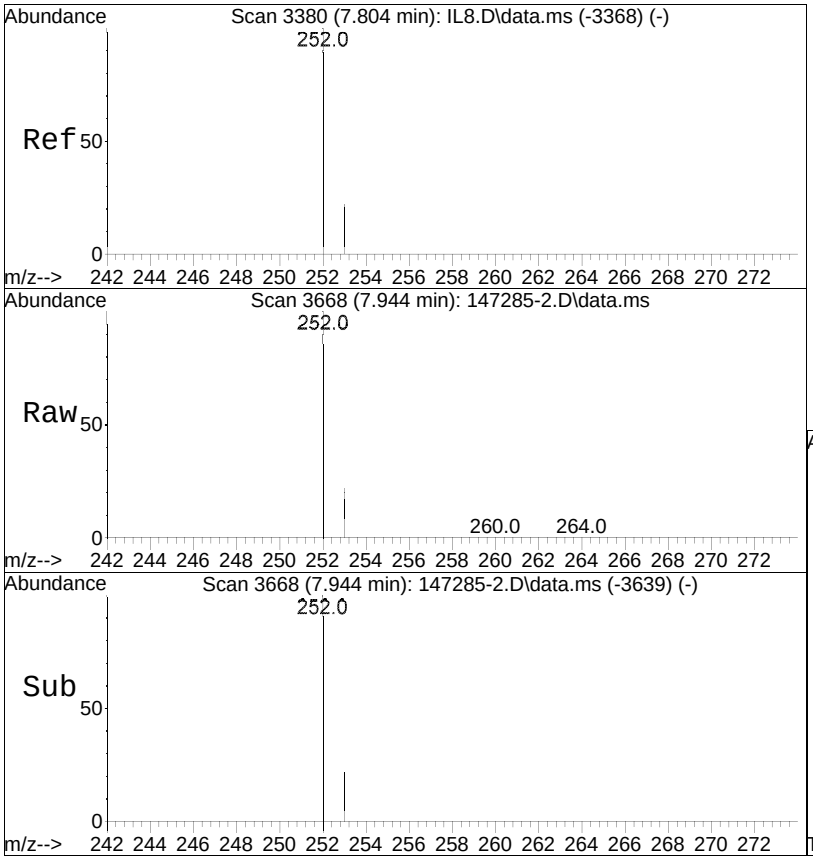


#39
Benzo[k]fluoranthene
Concen: 1396.86 ng/ml
RT: 7.657 min Scan# 3562
Delta R.T. -0.003 min
Lab File: 147285-2.D
Acq: 29 Nov 2025 01:43 pm

Tgt Ion:252 Resp: 228941

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3

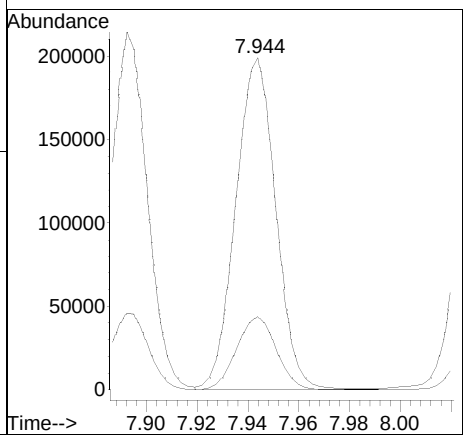


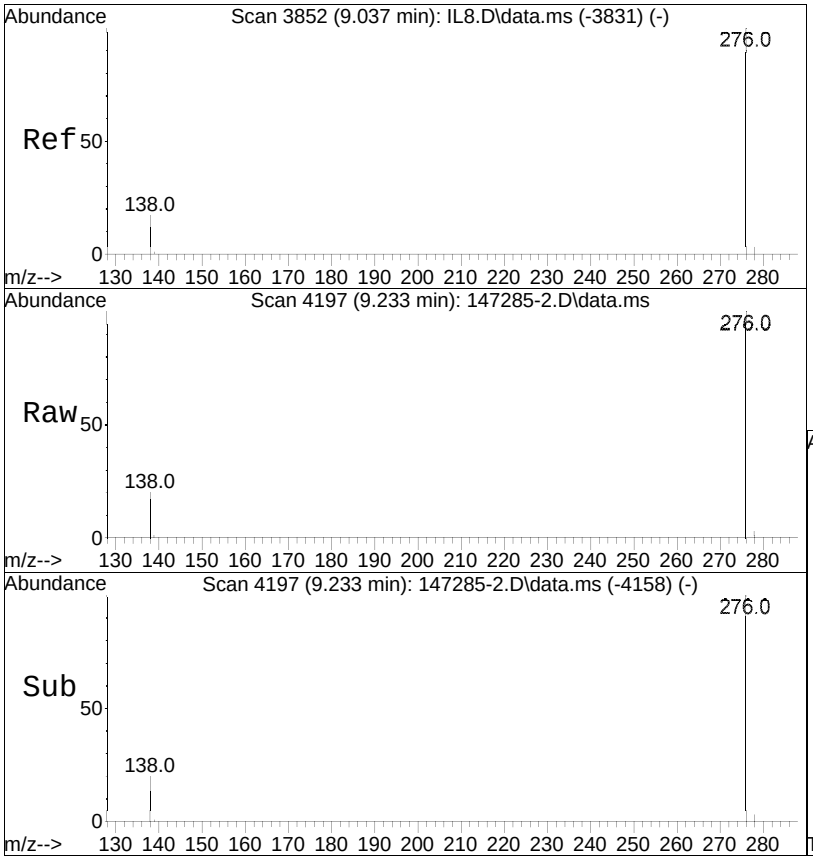


#40
Benzo[a]pyrene
Concen: 1481.39 ng/ml
RT: 7.944 min Scan# 3668
Delta R.T. -0.000 min
Lab File: 147285-2.D
Acq: 29 Nov 2025 01:43 pm

Tgt Ion:252 Resp: 215015

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0

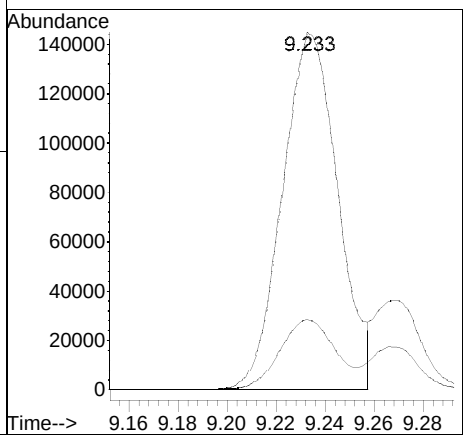


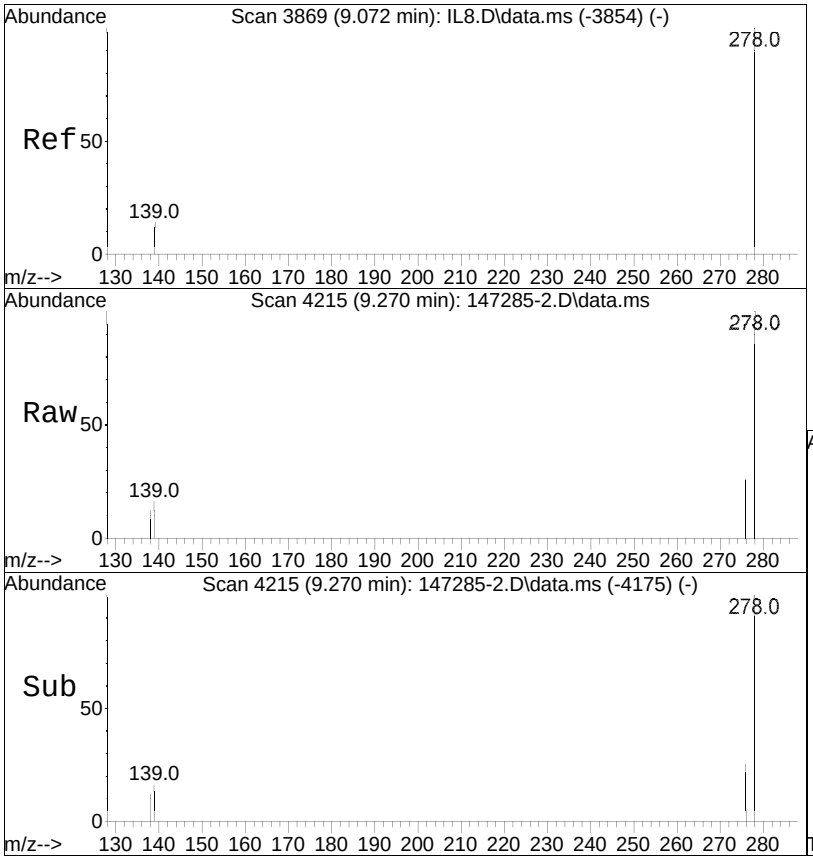


#41
Indeno[1,2,3-cd]pyrene
Concen: 1875.63 ng/ml
RT: 9.233 min Scan# 4197
Delta R.T. -0.000 min
Lab File: 147285-2.D
Acq: 29 Nov 2025 01:43 pm

Tgt Ion:276 Resp: 225597

Ion	Ratio	Lower	Upper
276	100		
138	19.8	16.4	24.6

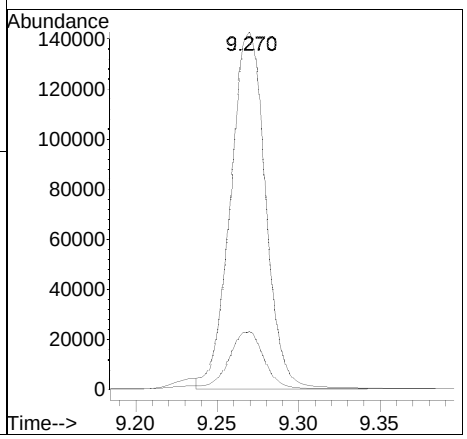


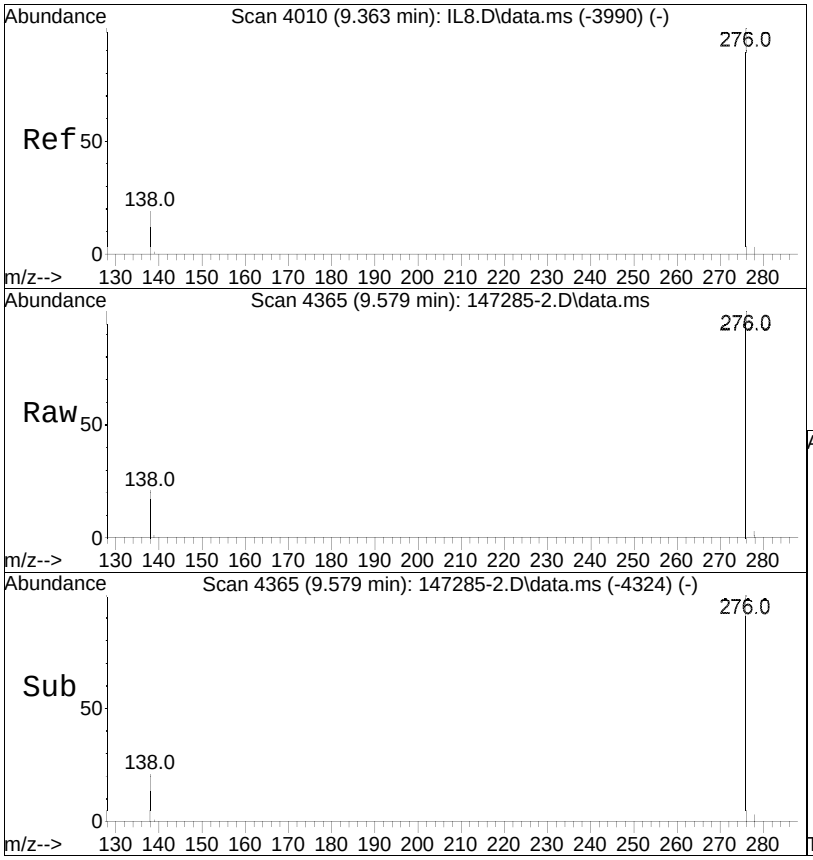


#42
Dibenzo[a,h]anthracene
Concen: 1910.50 ng/ml M6
RT: 9.270 min Scan# 4215
Delta R.T. 0.002 min
Lab File: 147285-2.D
Acq: 29 Nov 2025 01:43 pm

Tgt Ion:278 Resp: 212558

Ion	Ratio	Lower	Upper
278	100		
139	16.5	13.5	20.3

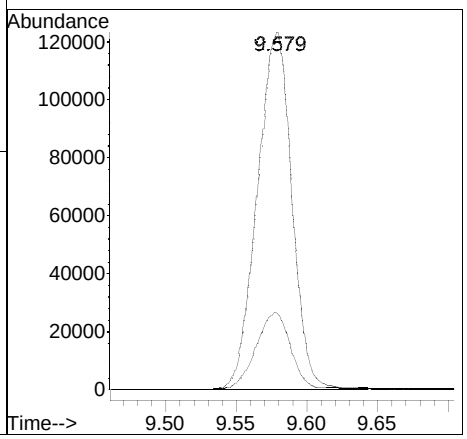




#43
Benzo[g,h,i]perylene
Concen: 1748.40 ng/ml
RT: 9.579 min Scan# 4365
Delta R.T. 0.004 min
Lab File: 147285-2.D
Acq: 29 Nov 2025 01:43 pm

Tgt Ion:276 Resp: 206800

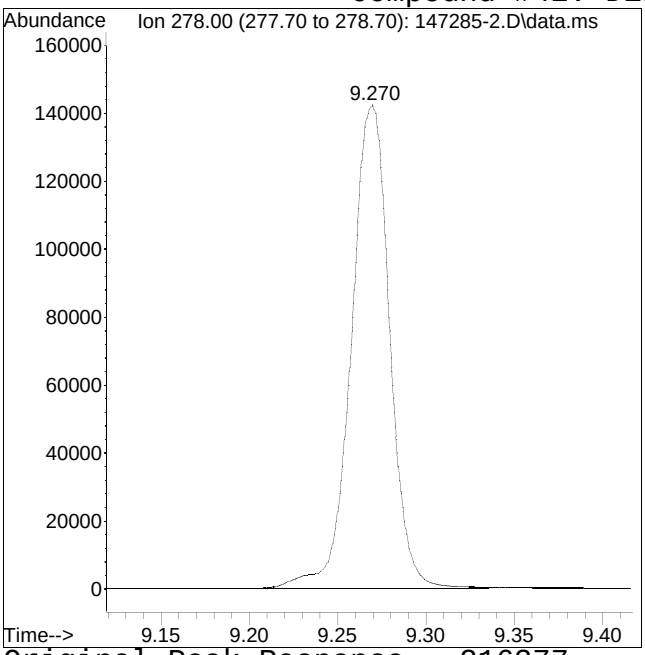
Ion	Ratio	Lower	Upper
276	100		
138	21.9	18.4	27.6



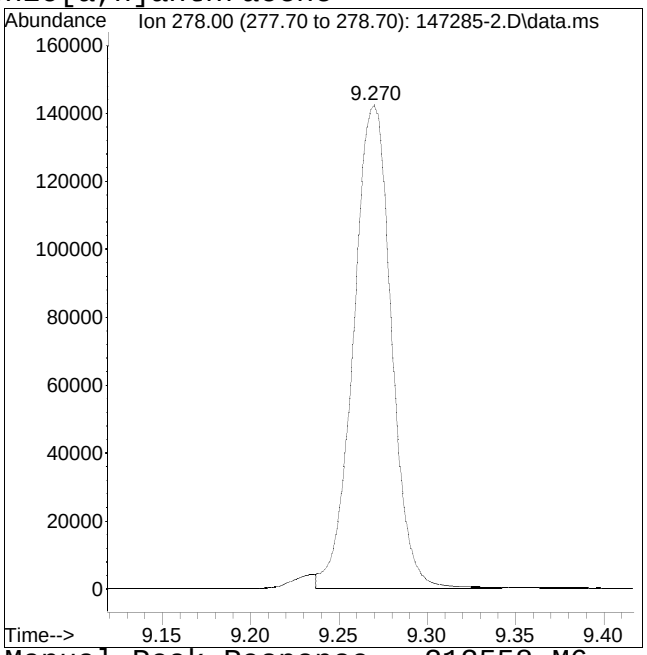
Manual Integration Report

Data Path : I:\8270SIM\sv119\251129RVTQMethod : SIM-RVT_251114_sv119.M
Data File : 147285-2.D Operator : sv119:jjw
Date Inj'd : 11/29/2025 1:43 pm Instrument : SV119
Sample : WG2147285-2,32,,csn Quant Date : 11/29/2025 1:56 pm

Compound #42: Dibenzo[a,h]anthracene



Original Peak Response = 216377



Manual Peak Response = 212558 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251129RVT\
Data File : 147285-3.D
Acq On : 29 Nov 2025 02:01 pm
Operator : sv119:jjw
Sample : WG2147285-3,32,,csn
Misc : wg2147402,WG2147285,ical22823
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 30 14:26:01 2025
Quant Method : I:\8270sim\sv119\251129RVT\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 11:31:58 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\251129RVT\ccv1129.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.523	152	193340	4000.000	ng/ml	0.00
Standard Area 1 = 206861			Recovery	= 93.46%		
9) Naphthalene-d8	3.226	136	752524	4000.000	ng/ml	0.00
Standard Area 1 = 789863			Recovery	= 95.27%		
18) Acenaphthene-d10	4.268	164	445665	4000.000	ng/ml	0.00
Standard Area 1 = 438570			Recovery	= 101.62%		
23) Phenanthrene-d10	5.163	188	861438	4000.000	ng/ml	0.00
Standard Area 1 = 882756			Recovery	= 97.59%		
32) Chrysene-d12	6.789	240	573140	4000.000	ng/ml	0.00
Standard Area 1 = 719687			Recovery	= 79.64%		
37) Perylene-d12	8.004	264	529492	4000.000	ng/ml	0.00
Standard Area 1 = 645429			Recovery	= 82.04%		
System Monitoring Compounds						
3) 2-Fluorophenol	1.901	112	29845	536.788	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 26.84%		
4) Phenol-d6	2.339	99	33983	499.695	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 24.98%		
8) Nitrobenzene-d5	2.822	82	37384	650.862	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 65.09%		
14) 2-Fluorobiphenyl	3.865	172	105349	700.528	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 70.05%		
22) 2,4,6-Tribromophenol	4.745	330	18384	957.508	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 47.88%		
31) 4-Terphenyl-d14	6.134	244	119784	643.331	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 64.33%		
Target Compounds						Qvalue
7) Hexachloroethane	2.797	117	26877	1079.692	ng/ml	93
10) Naphthalene	3.238	128	218914	1122.547	ng/ml	100
11) Hexachlorobutadiene	3.316	225	40056	1248.339	ng/ml	99
12) 2-Methylnaphthalene	3.642	142	152231	1266.238	ng/ml	100
15) 2-Chloronaphthalene	3.931	162	171138	1340.933	ng/ml	93
17) Acenaphthylene	4.180	152	295343	1458.199	ng/ml	99
19) Acenaphthene	4.285	153	183516	1233.553	ng/ml	94
21) Fluorene	4.597	166	218838	1280.950	ng/ml	100
25) Hexachlorobenzene	4.937	284	72400	1538.495	ng/ml	94
26) Pentachlorophenol	5.061	266	12134	423.765	ng/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251129RVT\
Data File : 147285-3.D
Acq On : 29 Nov 2025 02:01 pm
Operator : sv119:jjw
Sample : WG2147285-3,32,,csn
Misc : wg2147402,WG2147285,ical22823
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 30 14:26:01 2025
Quant Method : I:\8270sim\sv119\251129RVT\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 11:31:58 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\251129RVT\ccv1129.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	5.176	178	320460	1333.142	ng/ml	100
28) Anthracene	5.206	178	331650	1406.186	ng/ml	100
29) Fluoranthene	5.897	202	344055	1284.887	ng/ml	97
30) Pyrene	6.034	202	343587	1233.353	ng/ml	99
33) Benzo[a]anthracene	6.780	226	78085	1407.245	ng/ml	97
35) Chrysene	6.806	228	257275	1396.319	ng/ml	99
38) Benzo[b]fluoranthene	7.630	252	239882	1412.397	ng/ml	97
39) Benzo[k]fluoranthene	7.654	252	240923	1422.808	ng/ml	98
40) Benzo[a]pyrene	7.941	252	219314	1462.538	ng/ml	100
41) Indeno[1,2,3-cd]pyrene	9.231	276	226448	1822.305	ng/ml	99
42) Dibenzo[a,h]anthracene	9.266	278	216136M6	1880.339	ng/ml	
43) Benzo[g,h,i]perylene	9.573	276	208546	1706.592	ng/ml	98

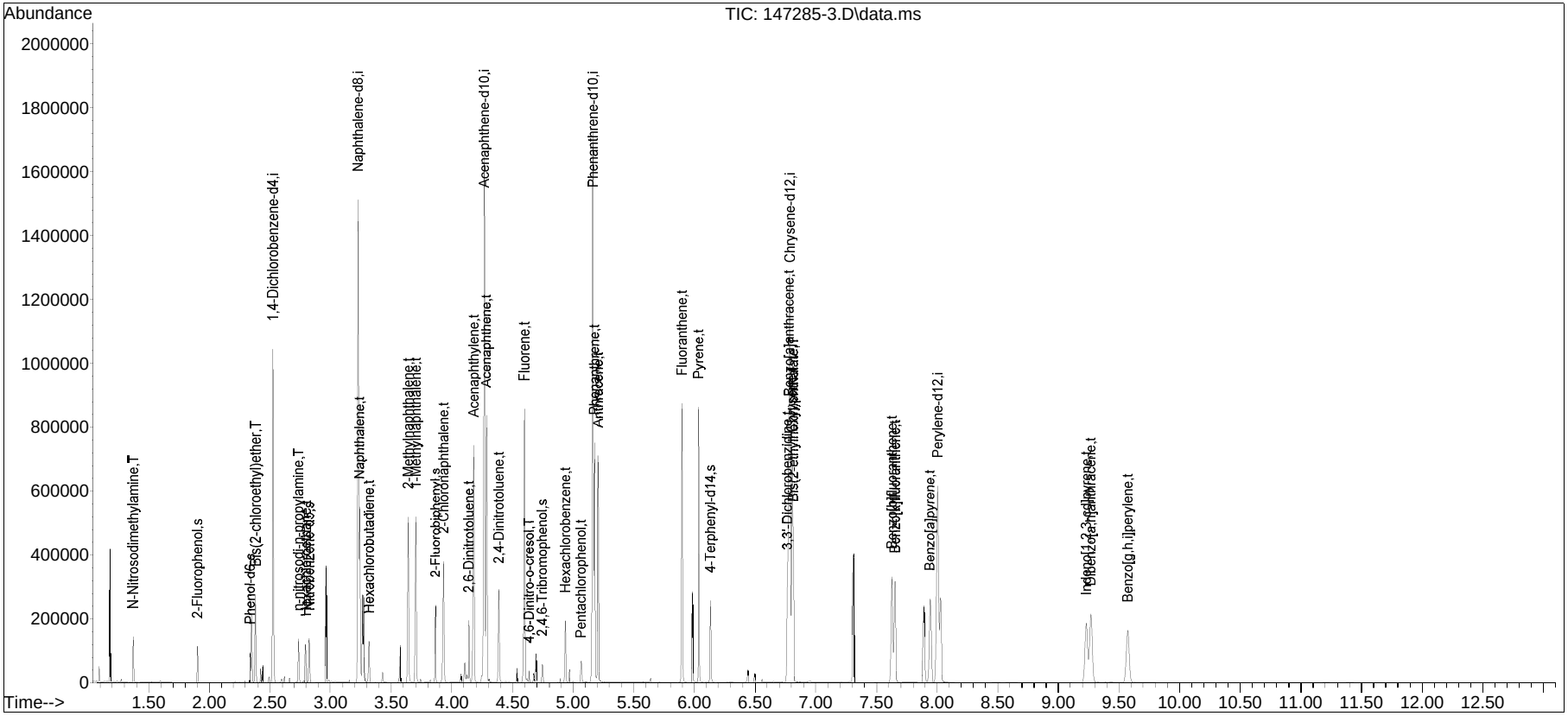
(#) = qualifier out of range (m) = manual integration (+) = signals summed

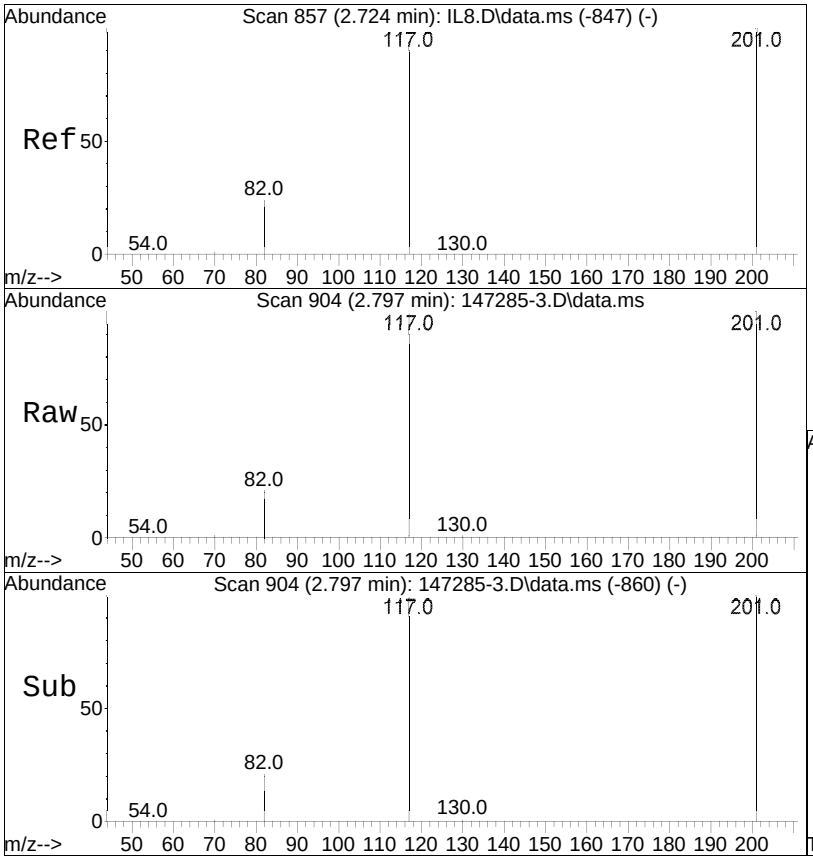
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\251129RVT\
Data File : 147285-3.D
Acq On : 29 Nov 2025 02:01 pm
Operator : sv119:jjw
Sample : WG2147285-3,32,,csn
Misc : wg2147402,WG2147285,ical22823
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 30 14:26:01 2025
Quant Method : I:\8270sim\sv119\251129RVT\SIM-RVT_251114_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 29 11:31:58 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1129.D•

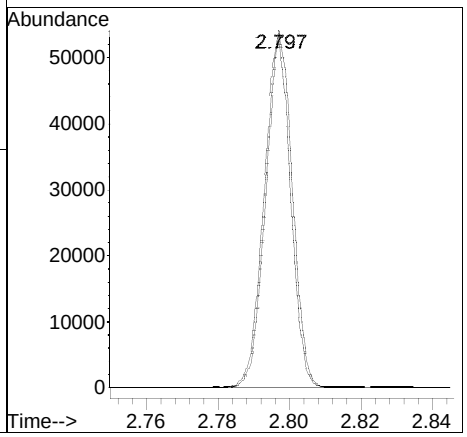


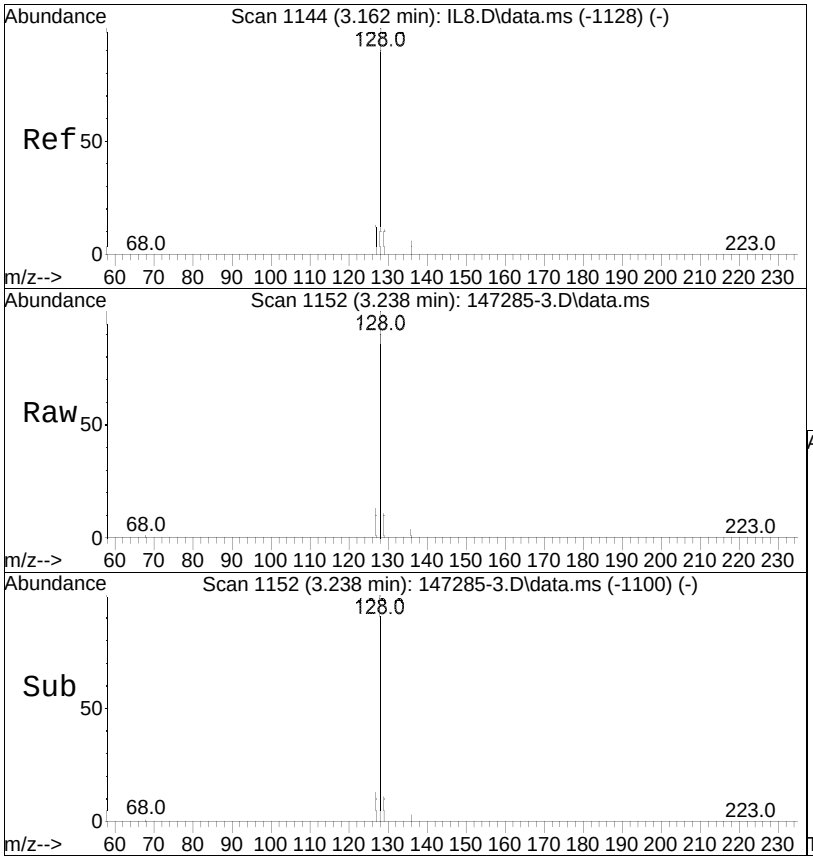


#7
Hexachloroethane
Concen: 1079.69 ng/ml
RT: 2.797 min Scan# 904
Delta R.T. 0.004 min
Lab File: 147285-3.D
Acq: 29 Nov 2025 02:01 pm

Tgt Ion:117 Resp: 26877

Ion	Ratio	Lower	Upper
117	100		
201	101.4	75.4	113.0

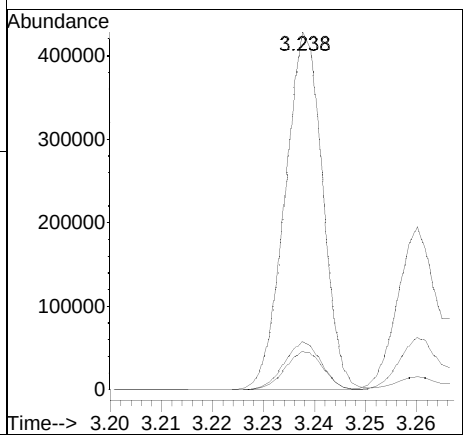


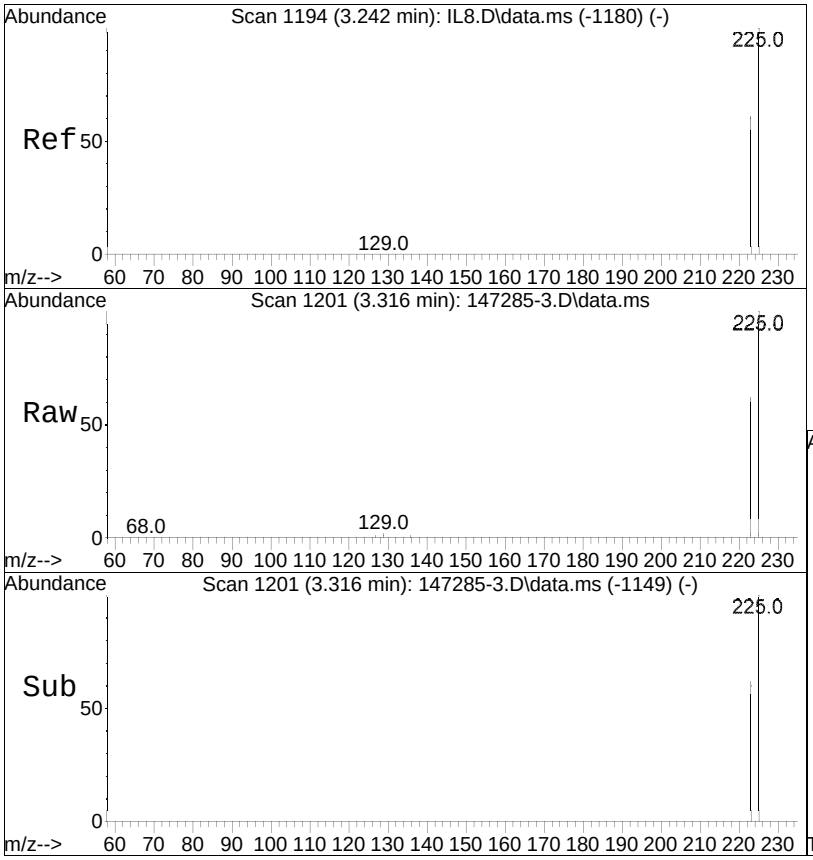


#10
Naphthalene
Concen: 1122.55 ng/ml
RT: 3.238 min Scan# 1152
Delta R.T. 0.003 min
Lab File: 147285-3.D
Acq: 29 Nov 2025 02:01 pm

Tgt Ion:128 Resp: 218914

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.3	10.5	15.7

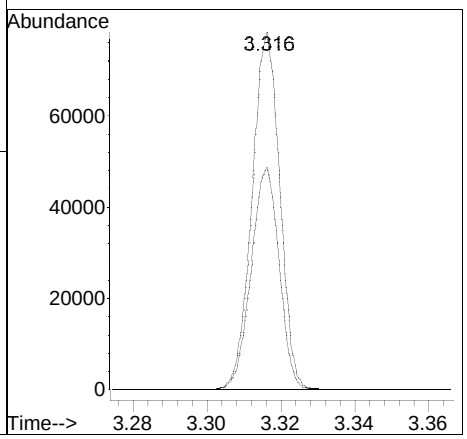


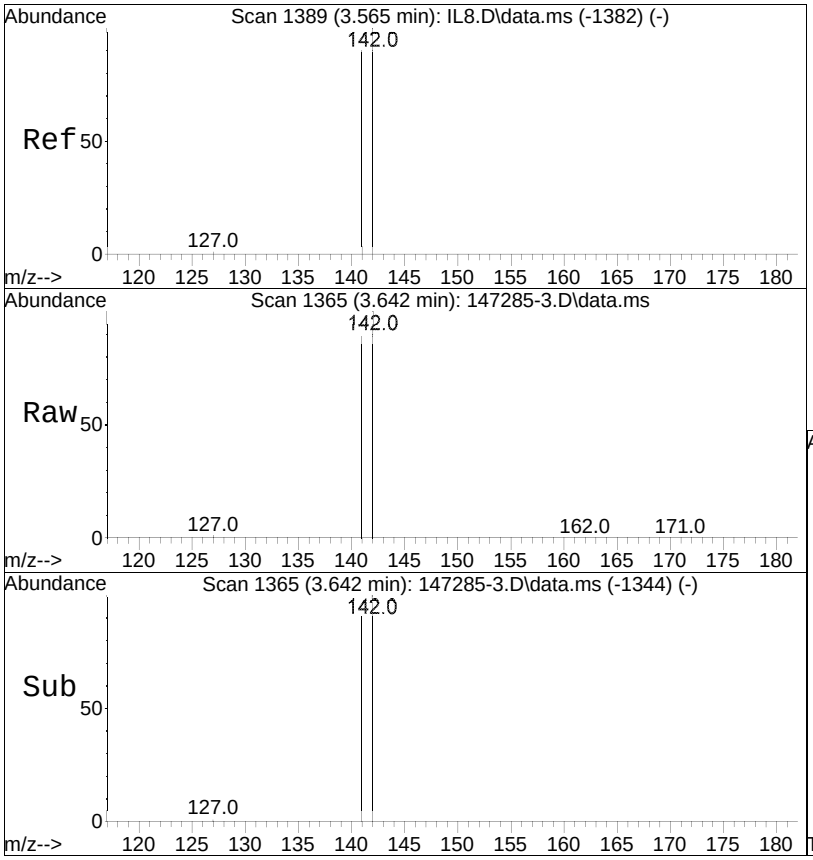


#11
Hexachlorobutadiene
Concen: 1248.34 ng/ml
RT: 3.316 min Scan# 1201
Delta R.T. 0.003 min
Lab File: 147285-3.D
Acq: 29 Nov 2025 02:01 pm

Tgt Ion:225 Resp: 40056

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.7	76.1

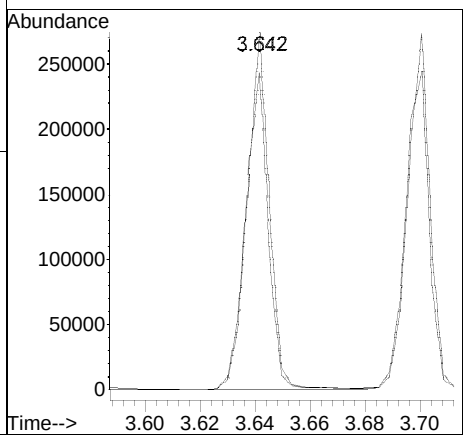


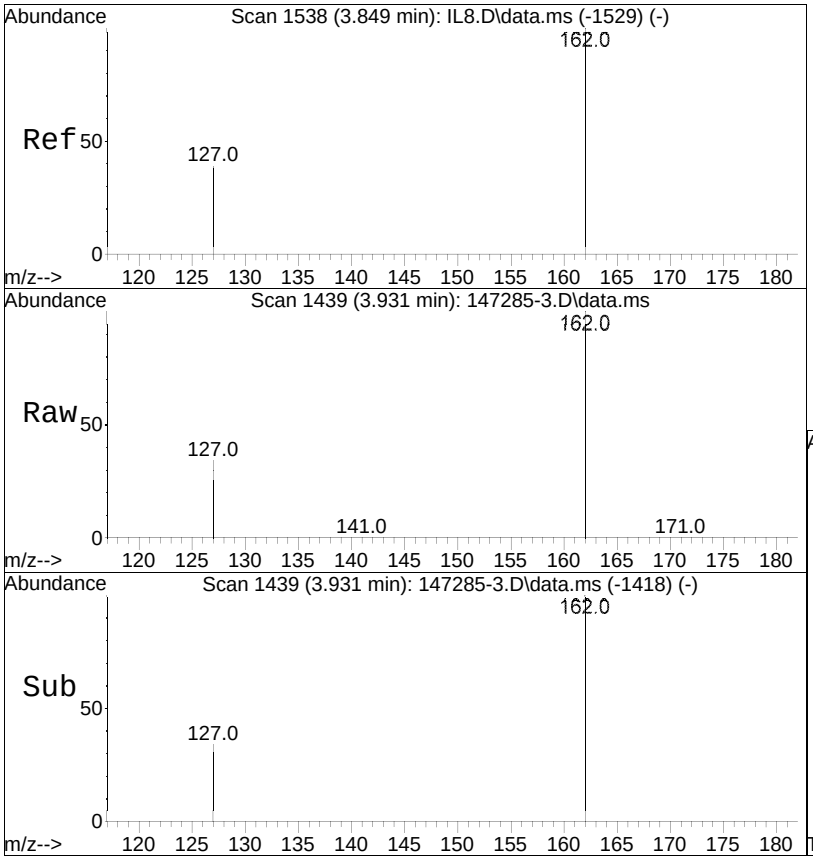


#12
2-Methylnaphthalene
Concen: 1266.24 ng/ml
RT: 3.642 min Scan# 1365
Delta R.T. 0.004 min
Lab File: 147285-3.D
Acq: 29 Nov 2025 02:01 pm

Tgt Ion:142 Resp: 152231

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.4	110.2

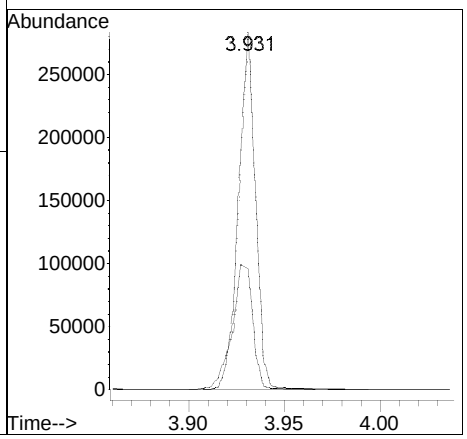


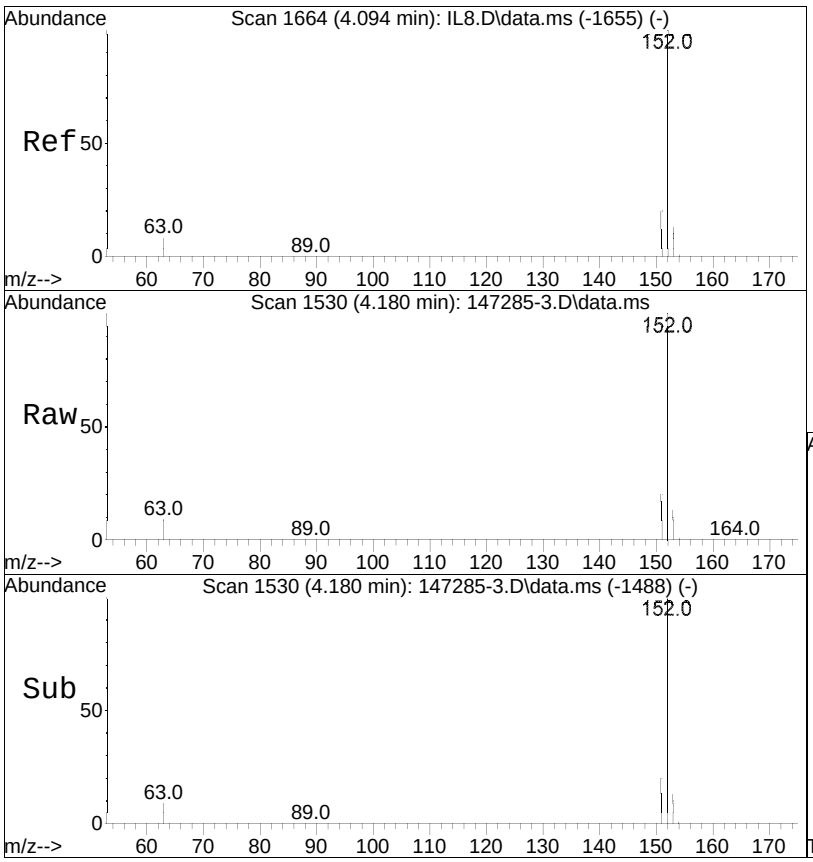


#15
2-Chloronaphthalene
Concen: 1340.93 ng/ml
RT: 3.931 min Scan# 1439
Delta R.T. 0.004 min
Lab File: 147285-3.D
Acq: 29 Nov 2025 02:01 pm

Tgt Ion:162 Resp: 171138

Ion	Ratio	Lower	Upper
162	100		
127	43.0	31.1	46.7

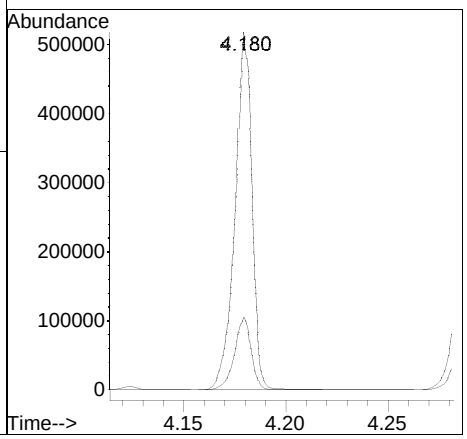


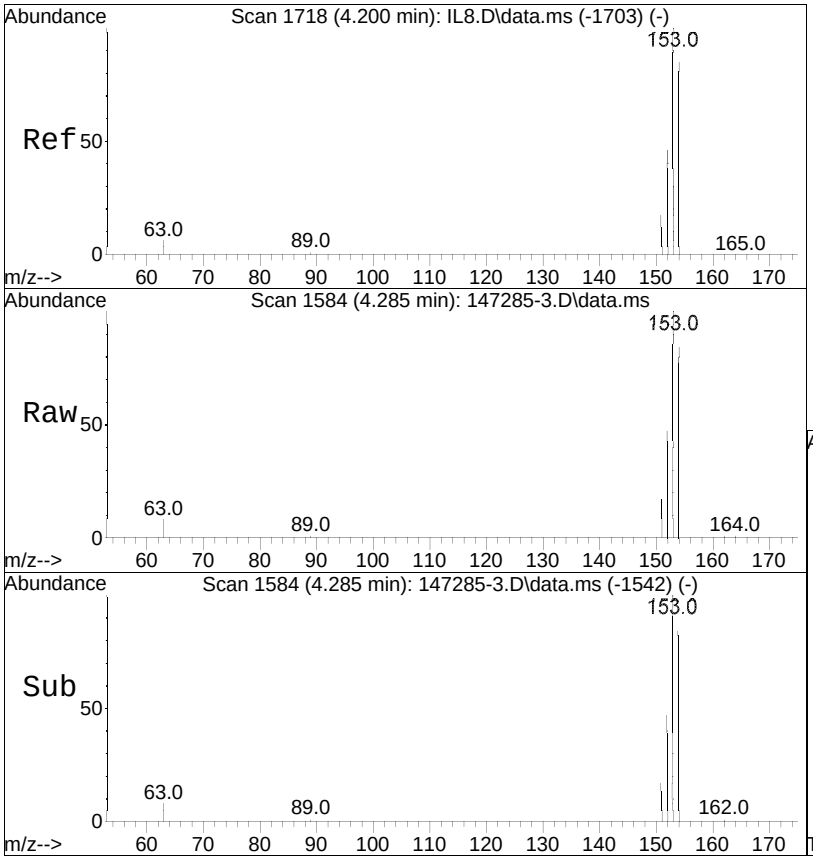


#17
Acenaphthylene
Concen: 1458.20 ng/ml
RT: 4.180 min Scan# 1530
Delta R.T. 0.002 min
Lab File: 147285-3.D
Acq: 29 Nov 2025 02:01 pm

Tgt Ion:152 Resp: 295343

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.9	23.9

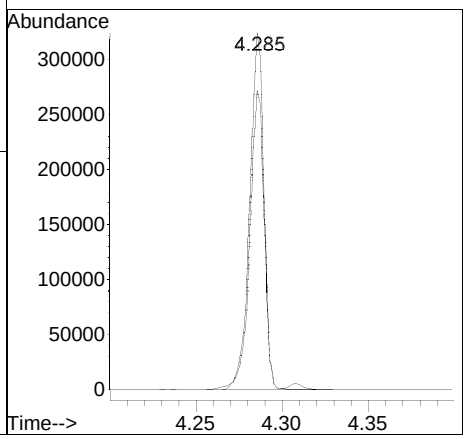


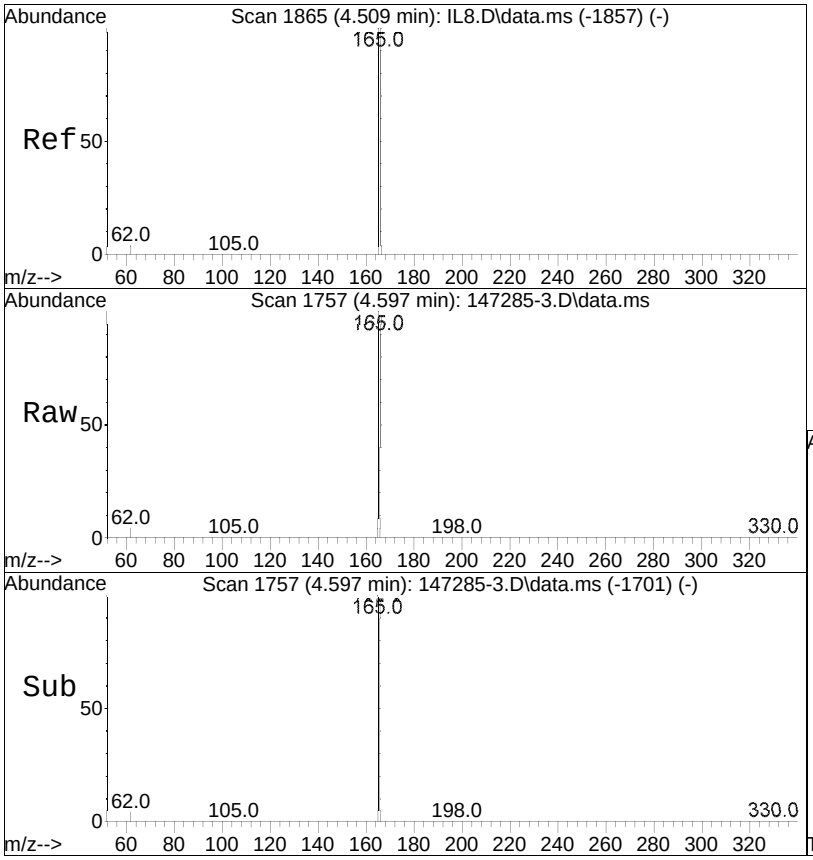


#19
Acenaphthene
Concen: 1233.55 ng/ml
RT: 4.285 min Scan# 1584
Delta R.T. 0.002 min
Lab File: 147285-3.D
Acq: 29 Nov 2025 02:01 pm

Tgt Ion:153 Resp: 183516

Ion	Ratio	Lower	Upper
153	100		
154	84.9	72.6	108.8

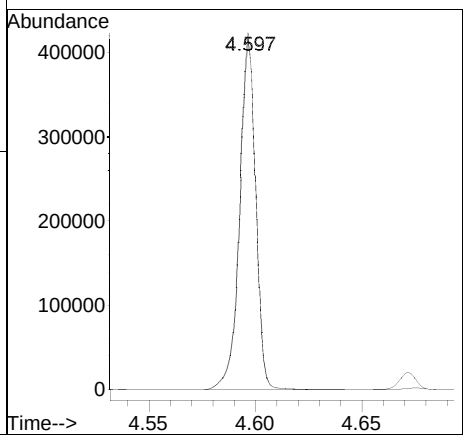


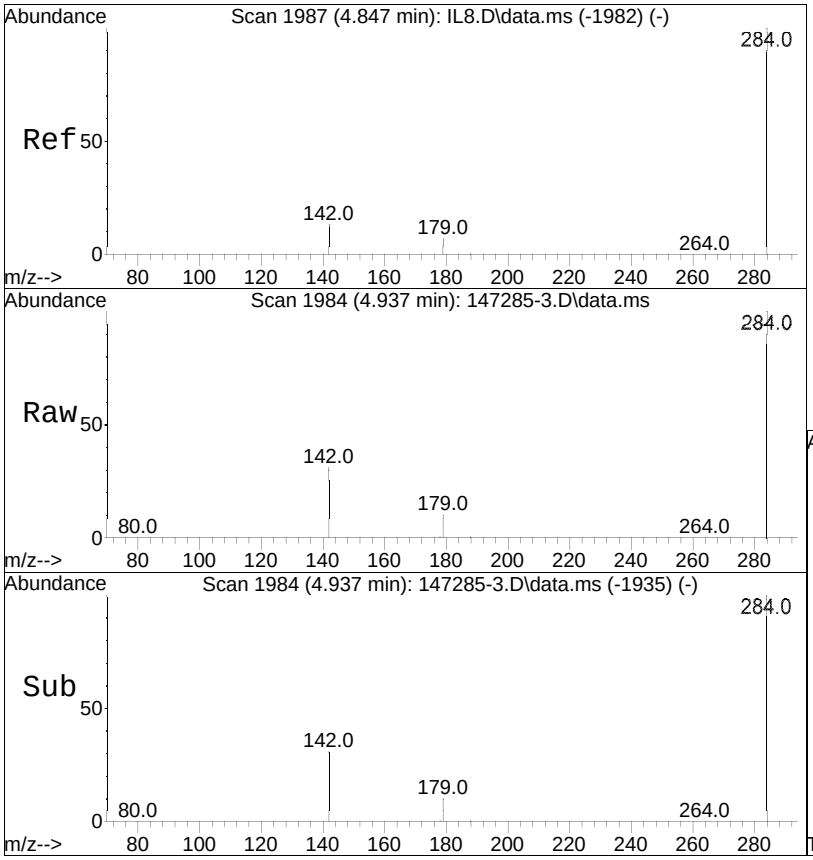


#21
Fluorene
Concen: 1280.95 ng/ml
RT: 4.597 min Scan# 1757
Delta R.T. 0.003 min
Lab File: 147285-3.D
Acq: 29 Nov 2025 02:01 pm

Tgt Ion:166 Resp: 218838

Ion	Ratio	Lower	Upper
166	100		
165	101.6	81.6	122.4

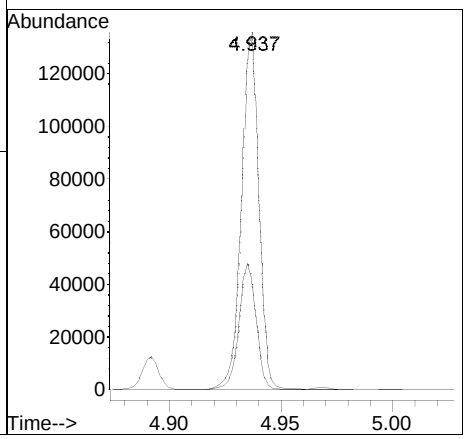


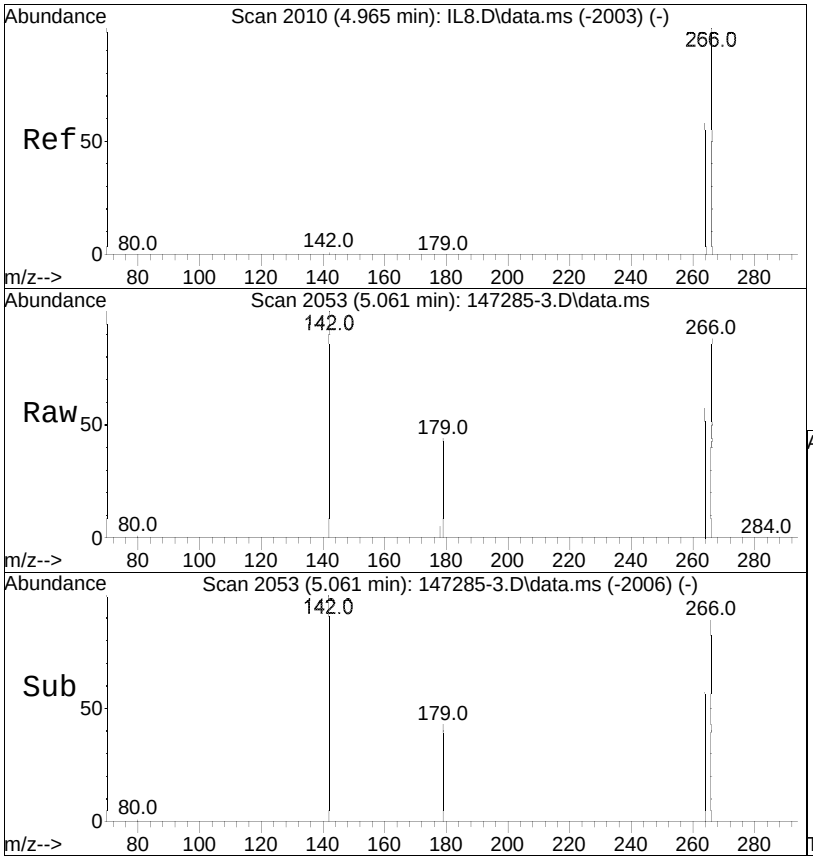


#25
Hexachlorobenzene
Concen: 1538.50 ng/ml
RT: 4.937 min Scan# 1984
Delta R.T. 0.004 min
Lab File: 147285-3.D
Acq: 29 Nov 2025 02:01 pm

Tgt Ion:284 Resp: 72400

Ion	Ratio	Lower	Upper
284	100		
142	35.3	31.1	46.7

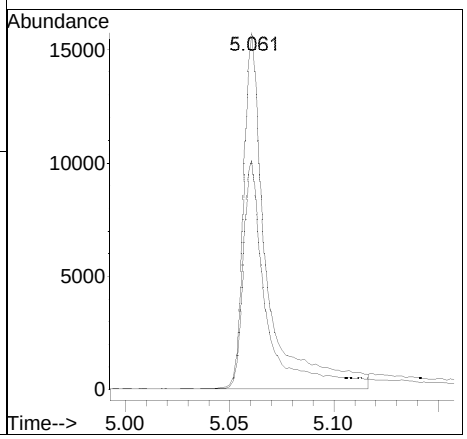


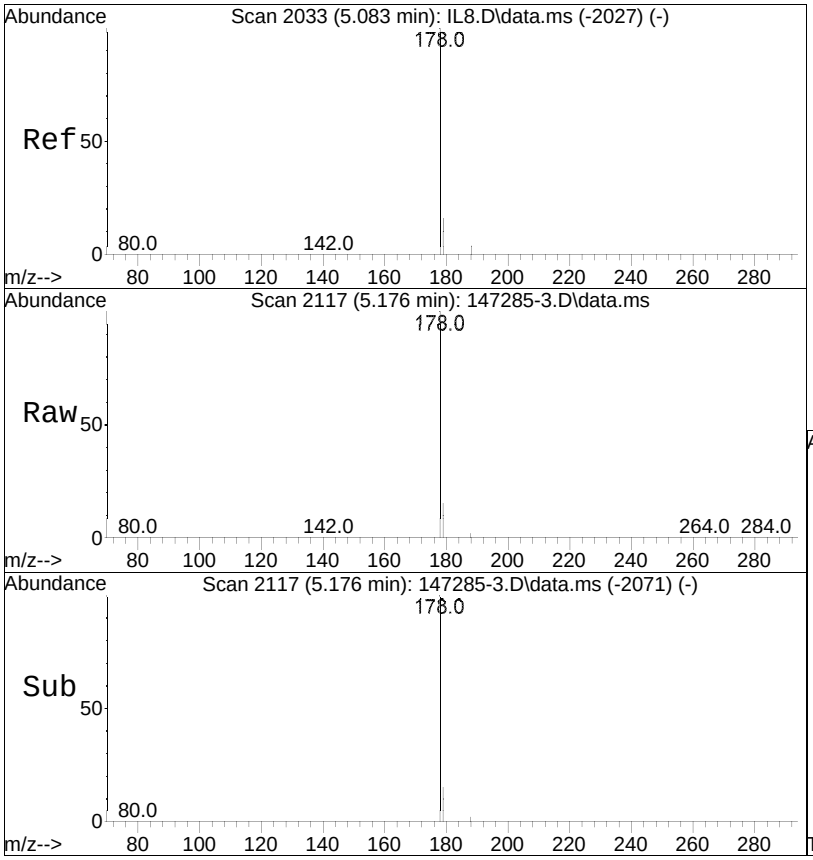


#26
Pentachlorophenol
Concen: 423.77 ng/ml
RT: 5.061 min Scan# 2053
Delta R.T. 0.004 min
Lab File: 147285-3.D
Acq: 29 Nov 2025 02:01 pm

Tgt Ion:266 Resp: 12134

Ion	Ratio	Lower	Upper
266	100		
264	67.4	51.0	76.4

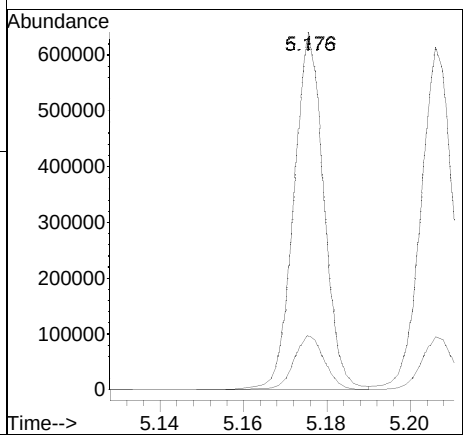


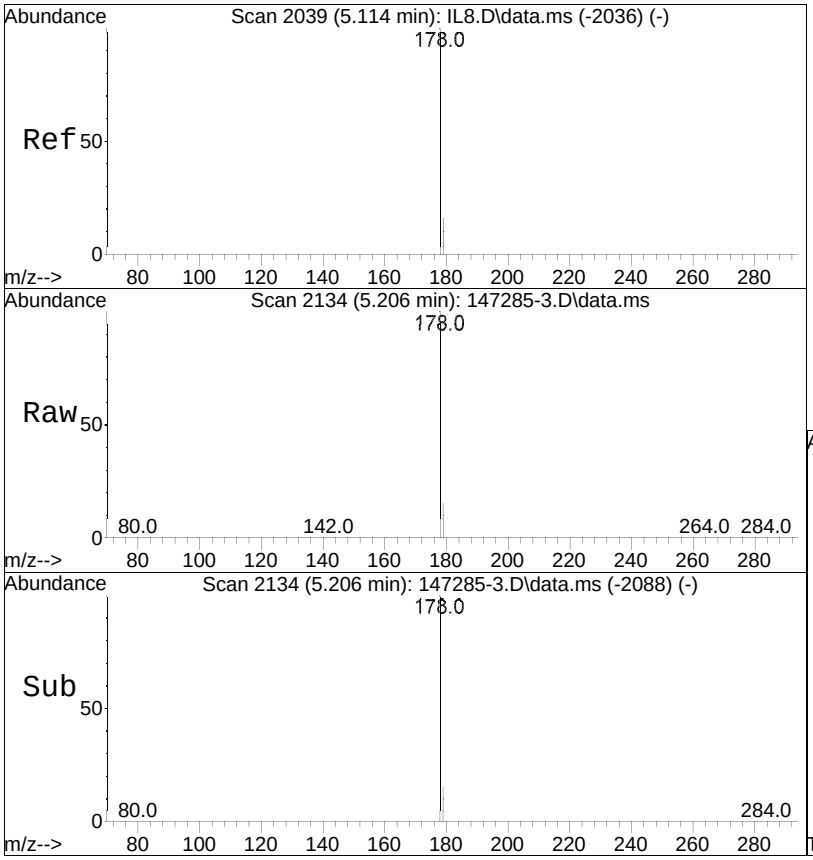


#27
Phenanthrene
Concen: 1333.14 ng/ml
RT: 5.176 min Scan# 2117
Delta R.T. 0.002 min
Lab File: 147285-3.D
Acq: 29 Nov 2025 02:01 pm

Tgt Ion:178 Resp: 320460

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6

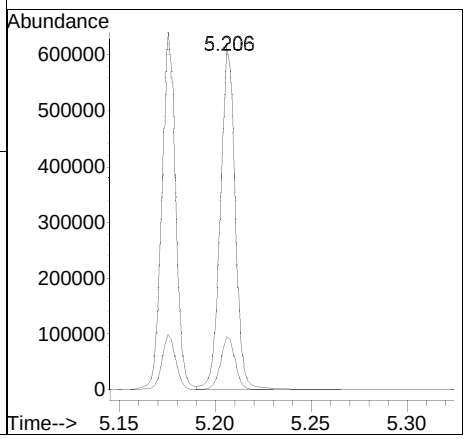


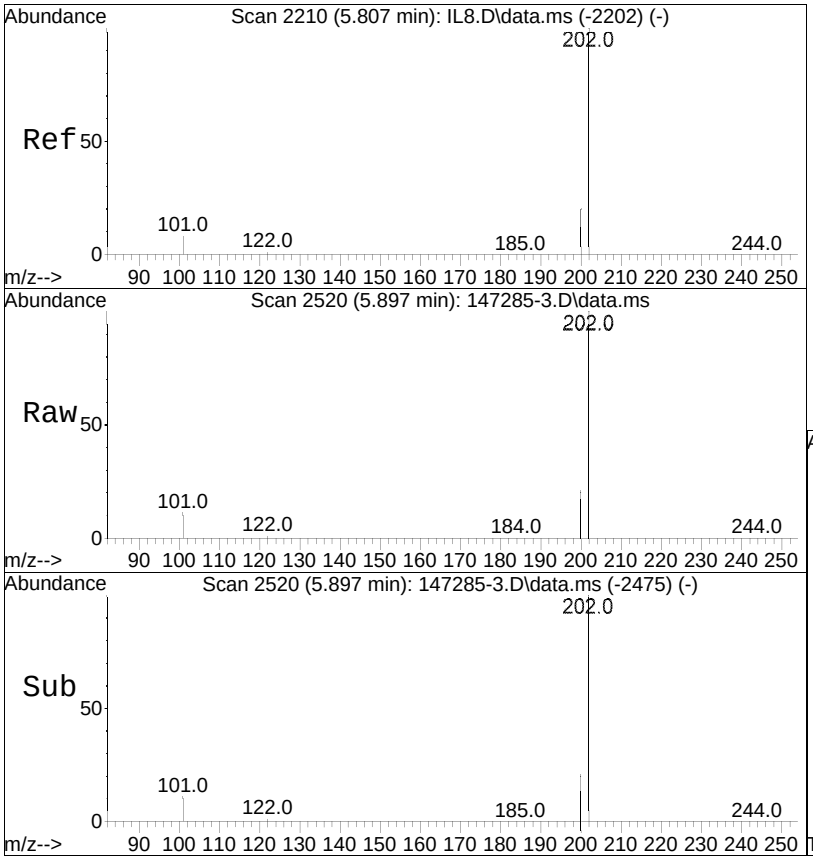


#28
Anthracene
Concen: 1406.19 ng/ml
RT: 5.206 min Scan# 2134
Delta R.T. 0.002 min
Lab File: 147285-3.D
Acq: 29 Nov 2025 02:01 pm

Tgt Ion:178 Resp: 331650

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5

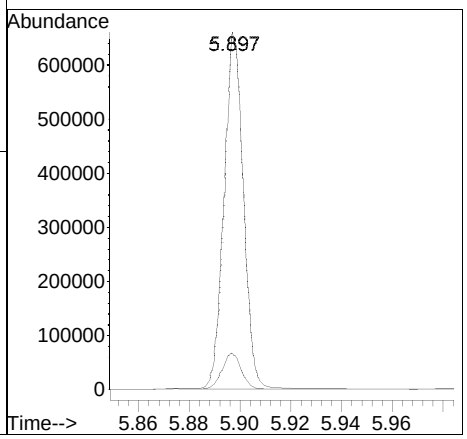


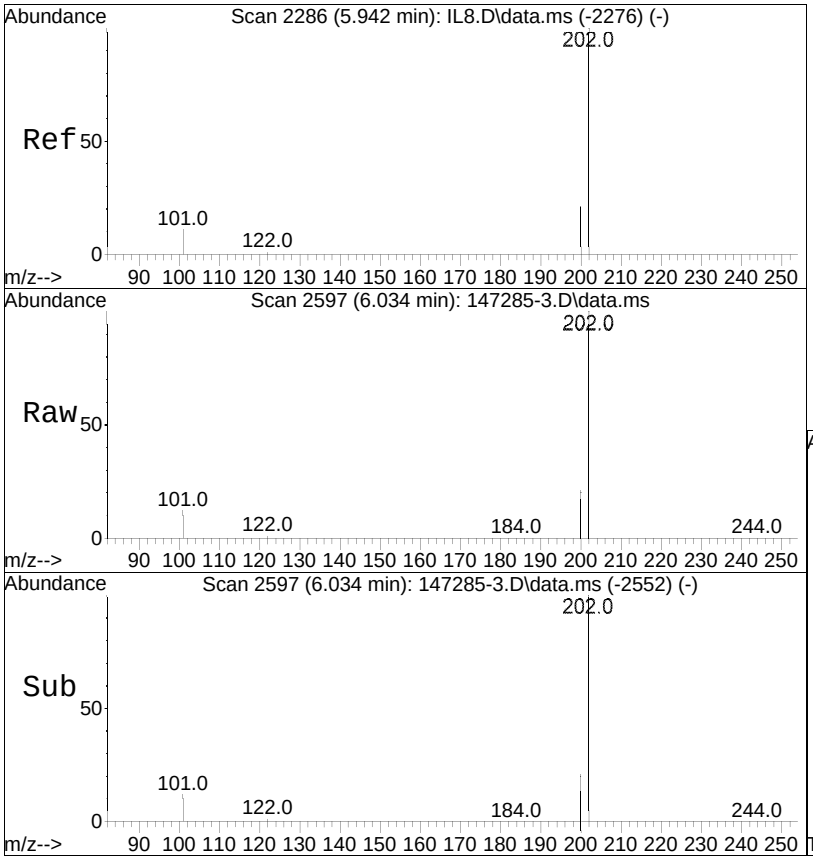


#29
Fluoranthene
Concen: 1284.89 ng/ml
RT: 5.897 min Scan# 2520
Delta R.T. 0.000 min
Lab File: 147285-3.D
Acq: 29 Nov 2025 02:01 pm

Tgt Ion:202 Resp: 344055

Ion	Ratio	Lower	Upper
202	100		
101	10.3	9.1	13.7

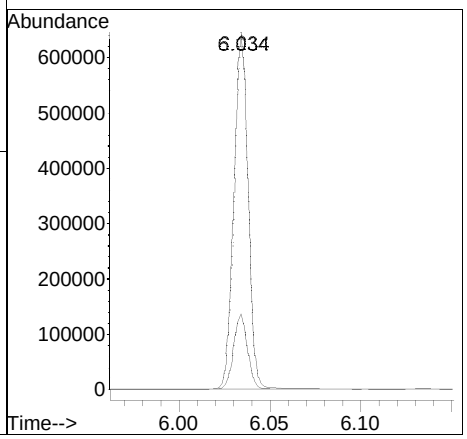


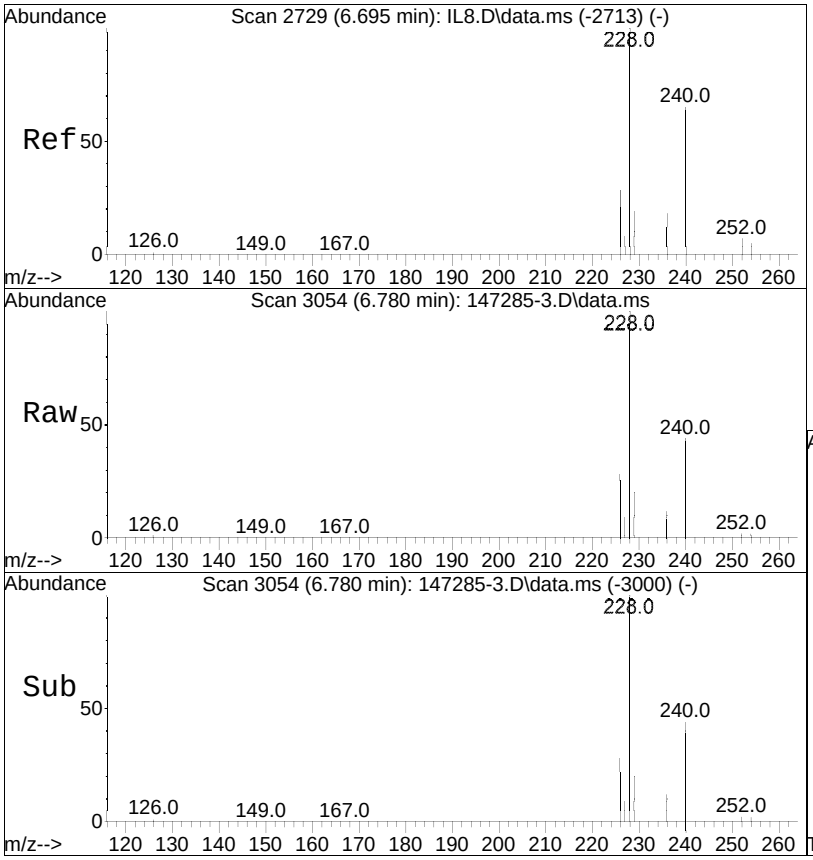


#30
Pyrene
Concen: 1233.35 ng/ml
RT: 6.034 min Scan# 2597
Delta R.T. 0.000 min
Lab File: 147285-3.D
Acq: 29 Nov 2025 02:01 pm

Tgt Ion:202 Resp: 343587

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2

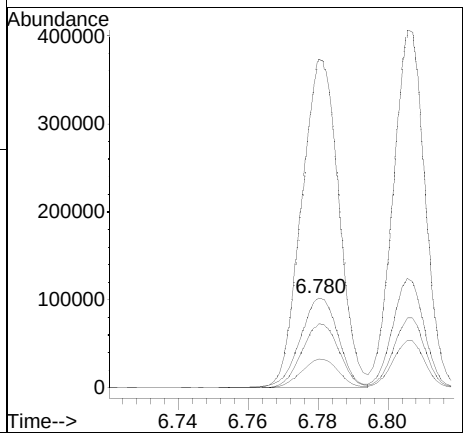


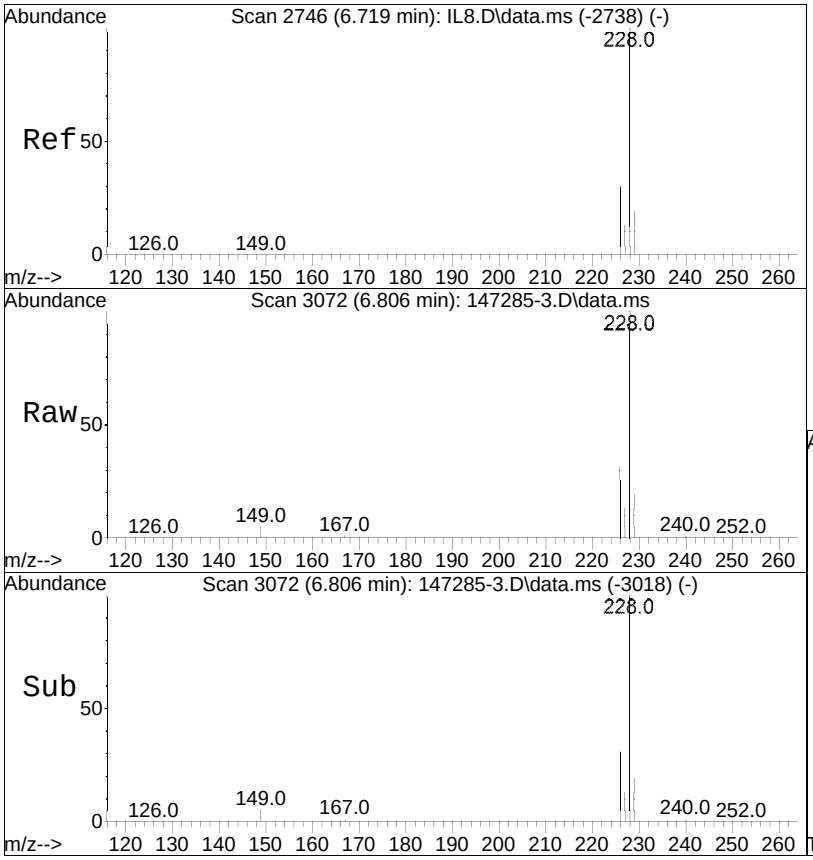


#33
Benzo[a]anthracene
Concen: 1407.25 ng/ml
RT: 6.780 min Scan# 3054
Delta R.T. -0.004 min
Lab File: 147285-3.D
Acq: 29 Nov 2025 02:01 pm

Tgt Ion:226 Resp: 78085

Ion	Ratio	Lower	Upper
226	100		
227	30.8	24.1	36.1
228	353.3	288.2	432.2
229	69.7	56.6	84.8

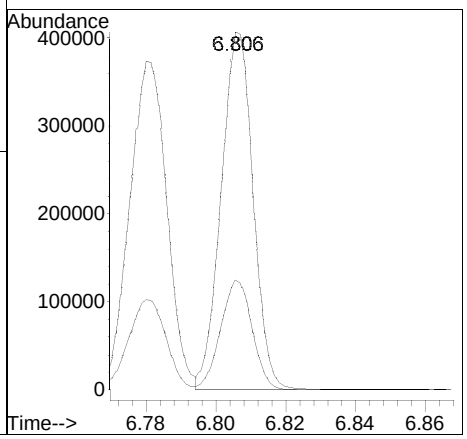


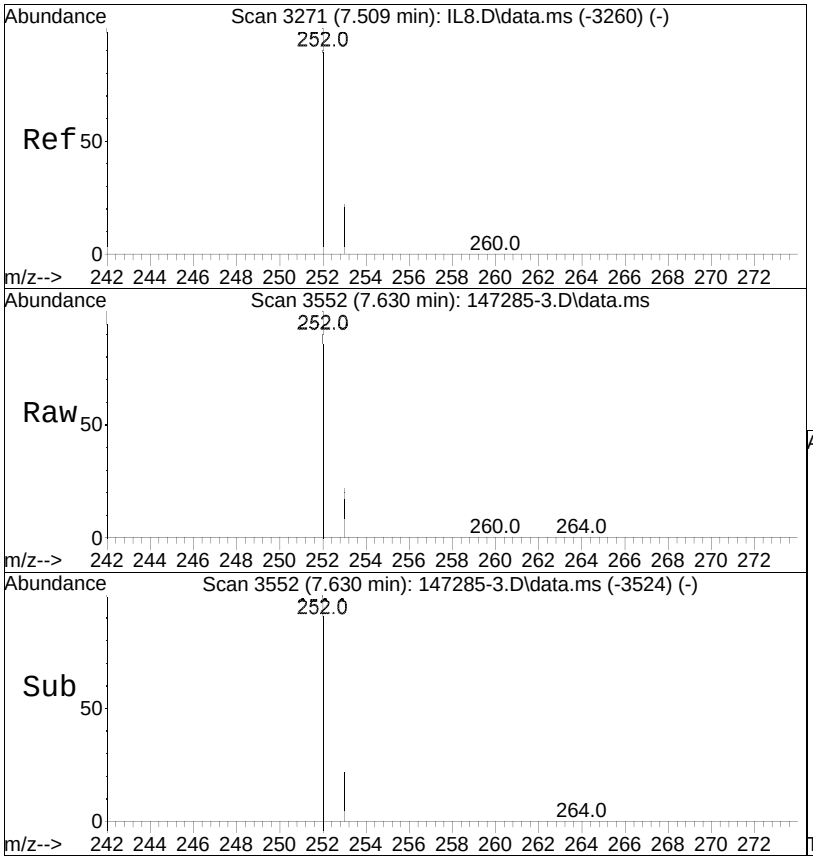


#35
Chrysene
Concen: 1396.32 ng/ml
RT: 6.806 min Scan# 3072
Delta R.T. -0.004 min
Lab File: 147285-3.D
Acq: 29 Nov 2025 02:01 pm

Tgt Ion:228 Resp: 257275

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.1	36.1

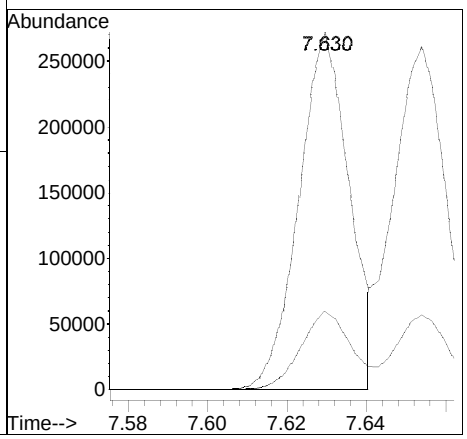


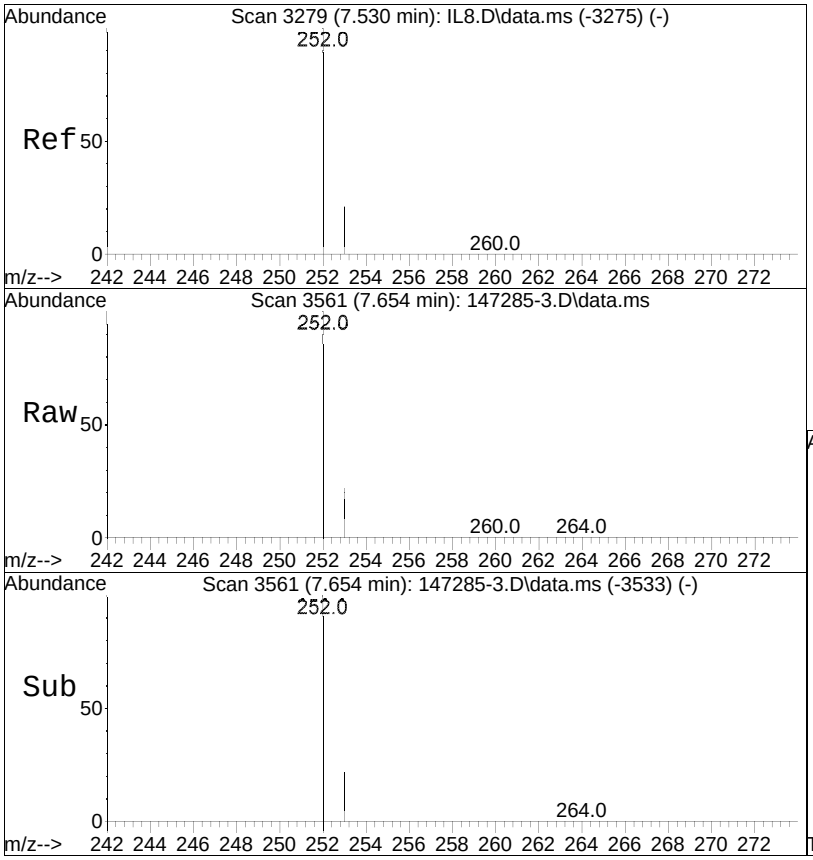


#38
Benzo[b]fluoranthene
Concen: 1412.40 ng/ml
RT: 7.630 min Scan# 3552
Delta R.T. -0.005 min
Lab File: 147285-3.D
Acq: 29 Nov 2025 02:01 pm

Tgt Ion:252 Resp: 239882

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.3	25.9

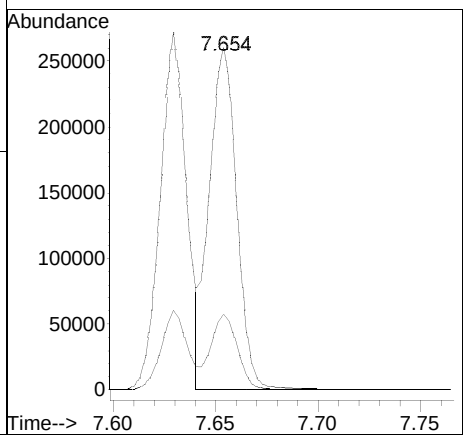


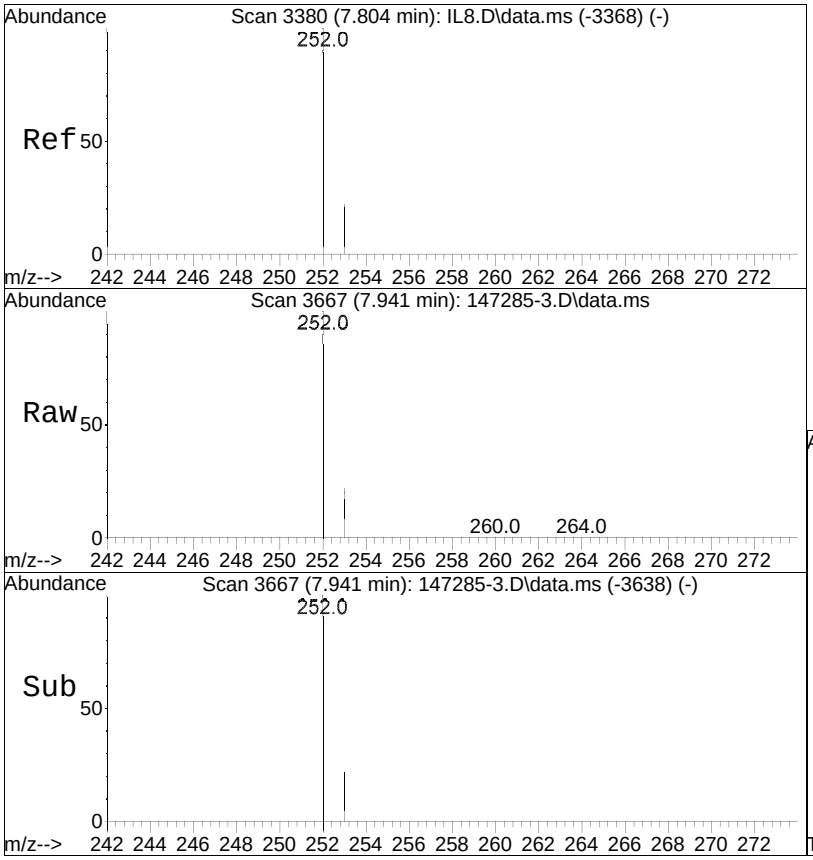


#39
Benzo[k]fluoranthene
Concen: 1422.81 ng/ml
RT: 7.654 min Scan# 3561
Delta R.T. -0.005 min
Lab File: 147285-3.D
Acq: 29 Nov 2025 02:01 pm

Tgt Ion:252 Resp: 240923

Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.5	26.3

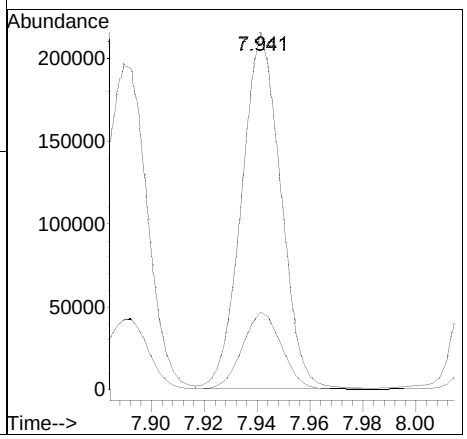


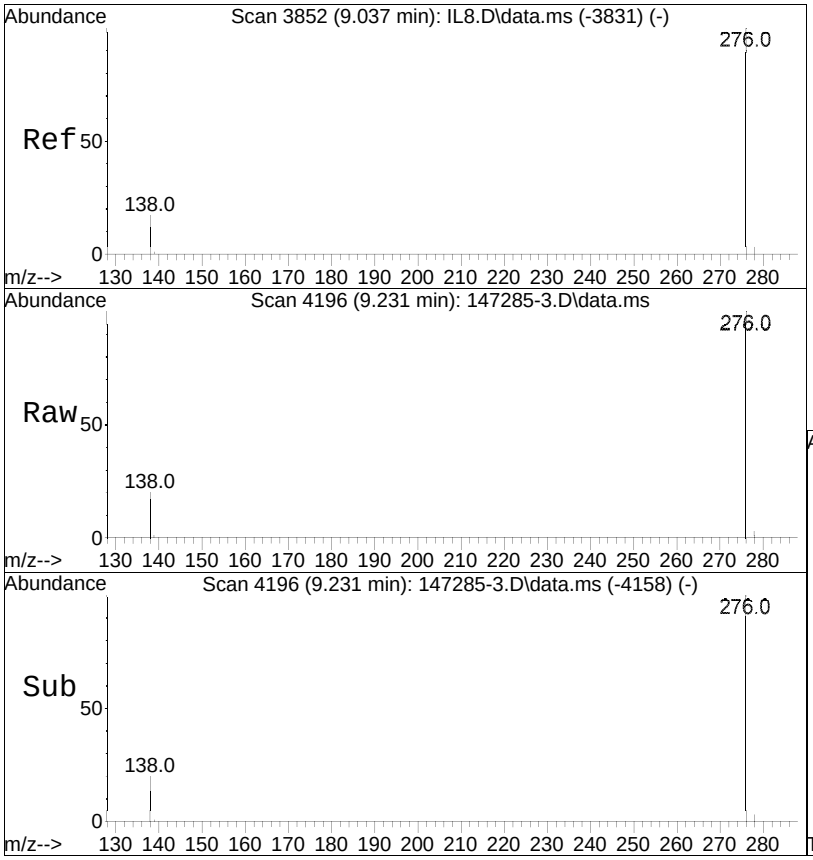


#40
Benzo[a]pyrene
Concen: 1462.54 ng/ml
RT: 7.941 min Scan# 3667
Delta R.T. -0.003 min
Lab File: 147285-3.D
Acq: 29 Nov 2025 02:01 pm

Tgt Ion:252 Resp: 219314

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0

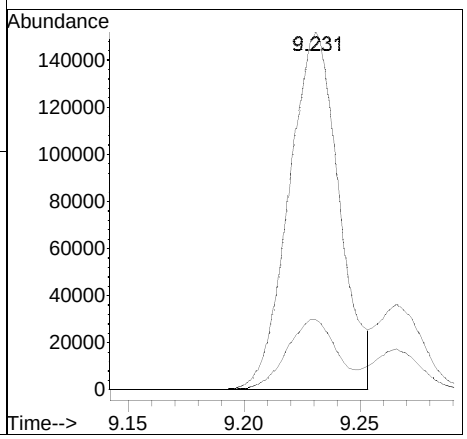


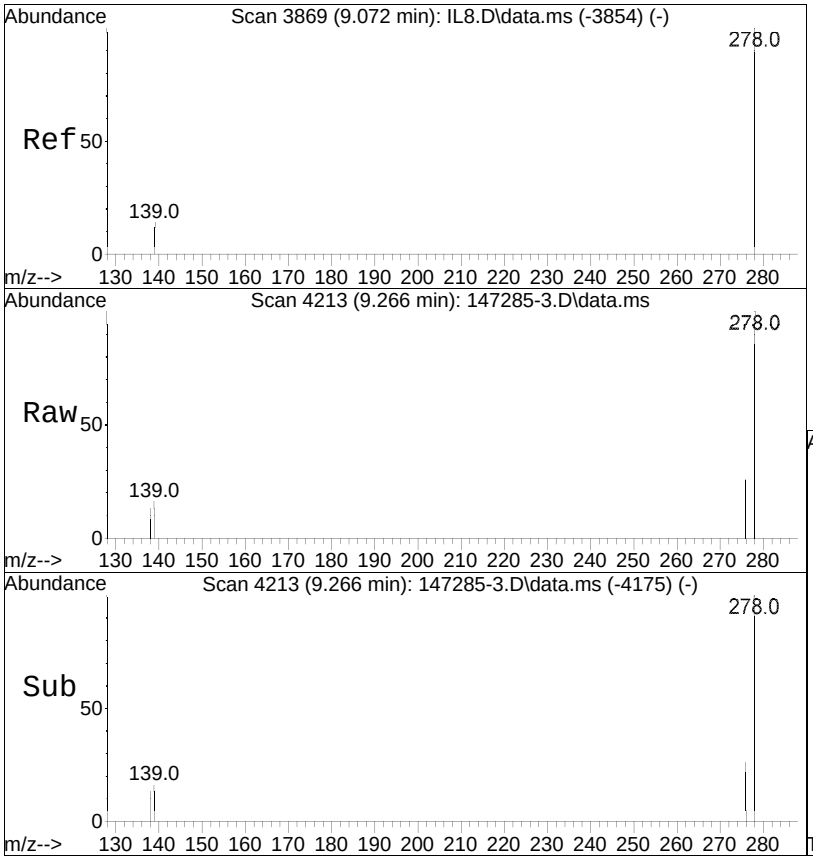


#41
Indeno[1,2,3-cd]pyrene
Concen: 1822.31 ng/ml
RT: 9.231 min Scan# 4196
Delta R.T. -0.002 min
Lab File: 147285-3.D
Acq: 29 Nov 2025 02:01 pm

Tgt Ion:276 Resp: 226448

Ion	Ratio	Lower	Upper
276	100		
138	19.9	16.4	24.6

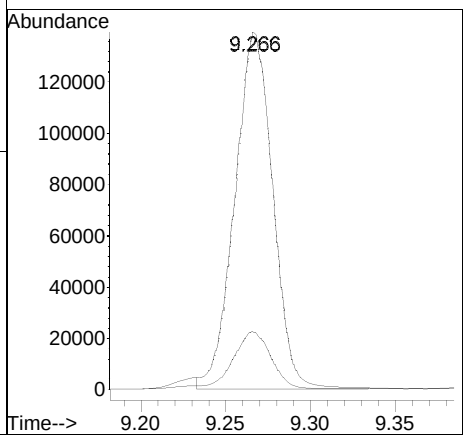


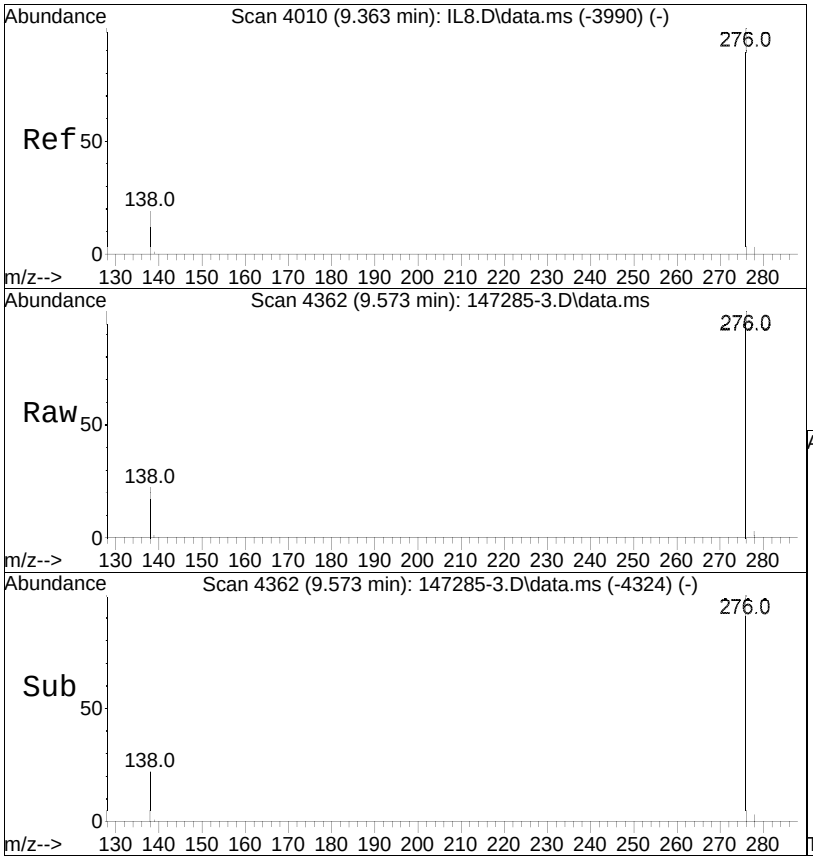


#42
Dibenzo[a,h]anthracene
Concen: 1880.34 ng/ml M6
RT: 9.266 min Scan# 4213
Delta R.T. -0.002 min
Lab File: 147285-3.D
Acq: 29 Nov 2025 02:01 pm

Tgt Ion:278 Resp: 216136

Ion	Ratio	Lower	Upper
278	100		
139	16.6	13.5	20.3

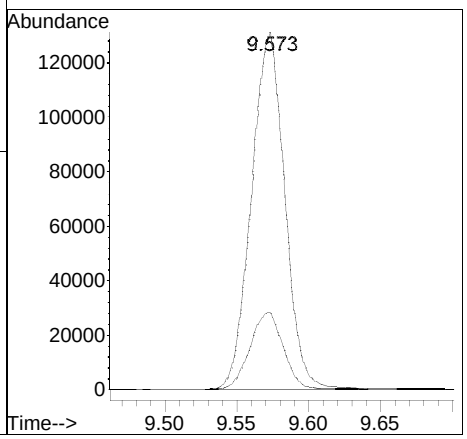




#43
Benzo[g,h,i]perylene
Concen: 1706.59 ng/ml
RT: 9.573 min Scan# 4362
Delta R.T. -0.002 min
Lab File: 147285-3.D
Acq: 29 Nov 2025 02:01 pm

Tgt Ion:276 Resp: 208546

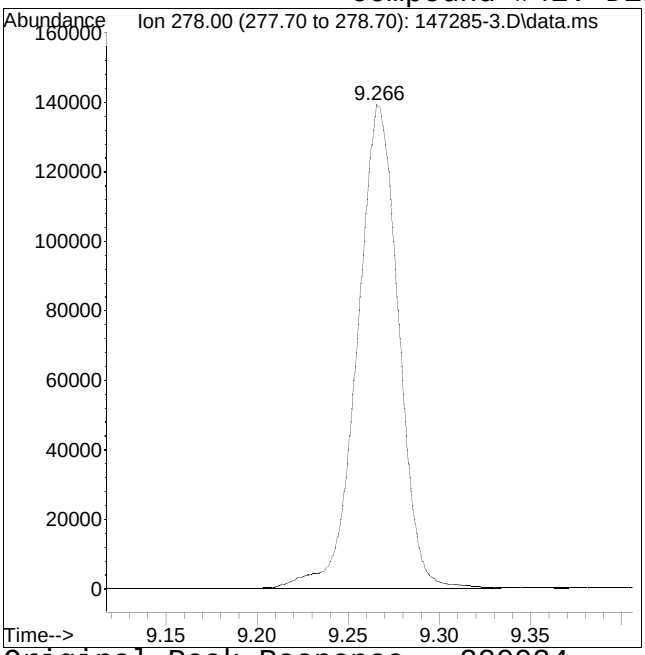
Ion	Ratio	Lower	Upper
276	100		
138	21.9	18.4	27.6



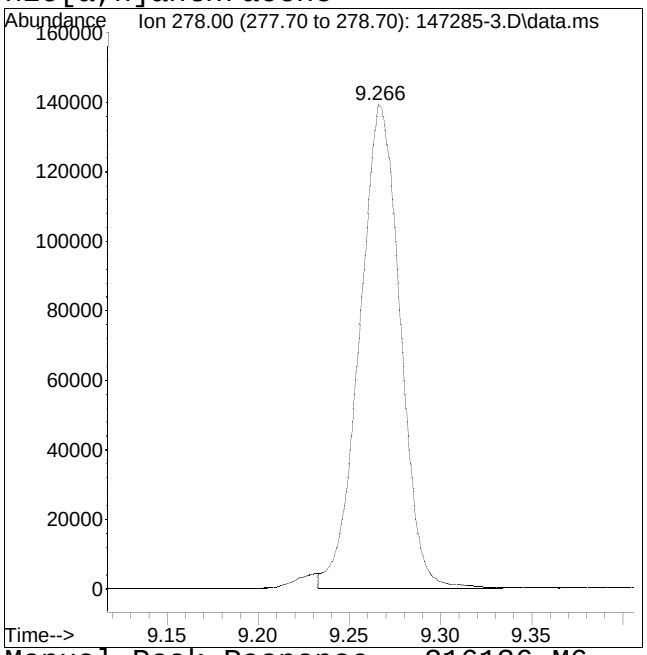
Manual Integration Report

Data Path : I:\8270SIM\sv119\251129RVTQMethod : SIM-RVT_251114_sv119.M
Data File : 147285-3.D Operator : sv119:jjw
Date Inj'd : 11/29/2025 2:01 pm Instrument : SV119
Sample : WG2147285-3,32,,csn Quant Date : 11/29/2025 2:14 pm

Compound #42: Dibenzo[a,h]anthracene



Original Peak Response = 220024



Manual Peak Response = 216136 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Calculation of Semi Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * 1000 * (1/Vo) * Vf

Where:
DF = Dilution Factor
Vo = Volume of Sample (mL)
Vf = Extraction Lab Final Volume (mL)

Soil Concentration Formula: Amt * DF * 1000 * (1/Wt) * Vf * (100/TS)
Where:
DF = Dilution Factor
Wt = Weight of Sample (g)
Vf = Extraction Lab Final Volume (mL)
TS = Total Solids

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Nov 30 2025, 07:27 pm

Work Group: WG2147285 for Department: 2 Organic Preparation

Created: 28-NOV-25 Due: Operator: ARP

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2575191-02	TMW-02	C	NYTCL-8270-SIM-RVT	WATER	DONE	U		1201 1210	S0	Amber-A.1
L2575191-04	TMW-05	C	NYTCL-8270-SIM-RVT	WATER	DONE	U		1201 1210	S0	Amber-A.1
L2575576-08	WC-112525	C	NYTCL-8270-SIM-RVT	WATER	DONE	U		1202 1208	S0	Amber-A.1
L2575577-01	MW-07_251124	C	NYTCL-8270-SIM-RVT	WATER	DONE	U		1201 1211	S0	Amber-A.1
L2575577-02	MW-03_251124	C	NYTCL-8270-SIM-RVT	WATER	DONE	U		1201 1211	S0	Amber-A.1
L2575577-04	FD01_251124	C	NYTCL-8270-SIM-RVT	WATER	DONE	U		1202 1211	S0	Amber-A.1
L2575577-05	MW-01_251124	C	NYTCL-8270-SIM-RVT	WATER	DONE	U		1202 1211	S0	Amber-A.1
L2575577-06	MW-02_251124	C	NYTCL-8270-SIM-RVT	WATER	DONE	U		1202 1211	S0	Amber-A.1
L2575577-07	MW-09D_251124	C	NYTCL-8270-SIM-RVT	WATER	DONE	U		1202 1211	S0	Amber-A.1
L2575577-08	MW-09S_251124	C	NYTCL-8270-SIM-RVT	WATER	DONE	U		1202 1211	S0	Amber-A.1
L2575577-09	MW-11D_251124	C	NYTCL-8270-SIM-RVT	WATER	DONE	U		1202 1211	S0	Amber-A.1
L2575772-01	MW-11S_251125	C	NYTCL-8270-SIM-RVT	WATER	DONE	U		1202 1212	S0	Amber-A.1
L2575772-02	MW-10_251125	C	NYTCL-8270-SIM-RVT	WATER	DONE	U		1202 1212	S0	Amber-A.1
WG2147285-1	Laboratory Method Bl	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2147285-2	Laboratory Control S	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2147285-3	LCS Duplicate	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				

Comments:

WG2147285-3 WG2147285-2

Analysis log File

Total Files Reported in Log : 14
Log Generated From Directory: I:\8270SIM\sv119\251114RVTical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	Tune.D	DFTPPRUN.M			11/14/2025 11:36 am
2	Tunea.D	DFTPPRUN.M	Tune lot# 12020	WG2143411,,ical	11/14/2025 11:53 am
3	IL10.D	SIM-RVT.M	IL10,32,,5000.0 ng/mL #	WG2143411,,ical	11/14/2025 12:11 pm
4	IL9.D	SIM-RVT.M	IL9,32,,2500.0 ng/mL #	WG2143411,,ical	11/14/2025 12:30 pm
5	IL8.D	SIM-RVT.M	IL8,32,,1000.0 ng/mL #1	WG2143411,,ical	11/14/2025 12:49 pm
6	IL7.D	SIM-RVT.M	IL7,32,,500.0 ng/mL #12	WG2143411,,ical	11/14/2025 1:08 pm
7	IL6.D	SIM-RVT.M	IL6,32,,100.0 ng/mL #12	WG2143411,,ical	11/14/2025 1:27 pm
8	IL5.D	SIM-RVT.M	IL5,32,,40.0 ng/mL #120	WG2143411,,ical	11/14/2025 1:46 pm
9	IL4.D	SIM-RVT.M	IL4,32,,10.0 ng/mL #120	WG2143411,,ical	11/14/2025 2:05 pm
10	IL3.D	SIM-RVT.M	IL3,32,,5.0 ng/mL #1204	WG2143411,,ical	11/14/2025 2:23 pm
11	IL2.D	SIM-RVT.M	IL2,32,,2.0 ng/mL #1204	WG2143411,,ical	11/14/2025 2:42 pm
12	IL1.D	SIM-RVT.M	IL1,32,,1.0 ng/mL #1204	WG2143411,,ical	11/14/2025 3:01 pm
13	ICV.D	SIM-RVT.M	CQICV,32,, 1.000 Lot #1	WG2143411,,ical	11/14/2025 3:20 pm
14	instblank.D	SIM-RVT.M			11/14/2025 3:39 pm

Dep.: GCMS
Inst: SV119
Date: **11/29/25**
Run:

Method
GC: SIM RVT

Seq: WG2147402
ICAL: 22823

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
48	deg1129	wg-1,32,,dftpp SV119 lot# 12051				
48	deg1129a	wg-1,32,,dftpp SV119 lot# 12051				
48	deg1129b	wg-1,32,,dftpp SV119 lot# 12051				11/30 JJW
49	ccv1129	wg-3,32,,CCV 12036 (1123a)				11/30 JJW
50	blank1129	instrument blank				
1	145454-2	WG2145454-2,32,,rv,csn				11/30 JJW
2	145454-3	WG2145454-3,32,,rv,csn				11/30 JJW
3	147103-2	WG2147103-2,32,,csn				11/30 JJW
4	147103-3	WG2147103-3,32,,csn				11/30 JJW
5	147103-1	WG2147103-1,32,,csn				11/30 JJW
6	75297-02	L2575297-02,32,,R2F,csn				11/30 JJW
7	147285-2	WG2147285-2,32,,csn				11/30 JJW
8	147285-3	WG2147285-3,32,,csn				11/30 JJW
9	147285-1	WG2147285-1,32,,csn				11/30 JJW
10	75191-02	L2575191-02,32,,csn				11/30 JJW
11	75191-04	L2575191-04,32,,csn				11/30 JJW
12	75576-08	L2575576-08,32,,csn				11/30 JJW
13	75577-01	L2575577-01,32,,csn				11/30 JJW
14	75577-02	L2575577-02,32,,csn				11/30 JJW
15	75577-04	L2575577-04,32,,csn				11/30 JJW
16	75577-05	L2575577-05,32,,csn				11/30 JJW
17	75577-06	L2575577-06,32,,csn				11/30 JJW
18	75577-07	L2575577-07,32,,csn				11/30 JJW
19	75577-08	L2575577-08,32,,csn				11/30 JJW
20	75577-09	L2575577-09,32,,csn				11/30 JJW
21	75772-01	L2575772-01,32,,csn				11/30 JJW
22	75772-02	L2575772-02,32,,csn				11/30 JJW
23	75175-01	L2575175-01,32,,csn				11/30 JJW
24	146696-4	WG2146696-4,32,,csn				11/30 JJW
25	146696-5	WG2146696-5,32,,csn				11/30 JJW
26	75175-03	L2575175-03,32,,csn				11/30 JJW
27	75175-04	L2575175-04,32,,csn				11/30 JJW
28	75175-05	L2575175-05,32,,csn				11/30 JJW
29	75175-06	L2575175-06,32,,csn				11/30 JJW
30	75175-08	L2575175-08,32,,csn			csn/SV-I	11/30 JJW

ORGANIC ELN REPORT

Workgroup: WG2147285

Prep Method: EPA 3510C
Solvent Type: DCM
Surrogate Type: ABN
Spike Type: ABN-SIM
Spike Verify by: ARP
Lims Spikelot: 8270-RVT

Lot #: EL173
Lot #: 12044-AJ[04/27/26]
Lot #: 12032-AX[12/31/25]; 12016-AC

Additional Reagents/Stds

H2SO4	A070925
Na2SO4	253751
NaOH	10NNaOH111325

Conc.Method: Buchi
Solvent Type: DCM
Lot #: EL173

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type:
Lot #:

Additional Reagents/Stds

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2575191-02 WATER	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K
L2575191-04 WATER	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K
L2575576-08 SAMP	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K
L2575577-01 SAMP	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K
L2575577-02 SAMP	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K
L2575577-04 SAMP	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K
L2575577-05 SAMP	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K

Reported: 30-NOV-25 07:27 PM

ORGANIC ELN REPORT

Workgroup: WG2147285

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2575577-06 SAMP	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K
L2575577-07 SAMP	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K
L2575577-08 SAMP	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K
L2575577-09 SAMP	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K
L2575772-01 WATER	11/29/25 05:09	Amanda Patterson	100	<2, >12	.1		11/29/25 06:42	Michael Ampaabeng	1	K
L2575772-02 WATER	11/29/25 05:09	Amanda Patterson	100	<2, >12	.1		11/29/25 06:42	Michael Ampaabeng	1	K
WG2147285-1 BLANK	11/28/25 23:22 **WG2147284**	Amanda Patterson	100	<2, >12	.1		11/29/25 02:09	Ashley Busold	1	K
WG2147285-2 LCS	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1	.1	11/29/25 02:09	Ashley Busold	1	K
WG2147285-3 LCSD	11/28/25 23:22	Amanda Patterson	100	<2, >12	.1	.1	11/29/25 02:09	Ashley Busold	1	K

GC Extractable Analysis
Herbicides

Semivolatiles QC Summary

Surrogate Recovery Summary
Form 2
Pesticides

Client: Roux Env. Eng. & Geology, DPC
Project Name: 1000 TURK HILL RD GWS

Lab Number: L2575576
Project Number: 3113.0001Y000
Matrix: Water

GC Column 1: STX-CLP1
GC Column 2: STX-CLP2

CLIENT ID (LAB SAMPLE NO.)	1 %REC	2 %REC	1 %REC	2 %REC	OTHER (1)	OTHER (2)	TOT OUT
WC-112525 (L2575576-08)	47	45	--	--			0
WG2147488-1BLANK	90	86	--	--			0
WG2147488-2LCS	83	99	--	--			0
WG2147488-3LCSD	88	103	--	--			0

QC LIMITS
(30-150) S1 = DCAA

*** Values outside of QC limits**

FORM II HERB-APA

Laboratory Control Sample Summary
Form 3
Pesticides

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2147488-2 **Analysis Date** : 12/02/25 18:52	**File ID**	: 15251202a-25
LCSD Sample ID	: WG2147488-3 **Analysis Date** : 12/02/25 19:10	**File ID**	: 15251202a-26

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
2,4-D	5	4.31	86	5	4.41	88	2	30-150	25
2,4,5-T	5	4.39	88	5	4.49	90	2	30-150	25
2,4,5-TP (Silvex)	5	4.42	88	5	4.47	89	1	30-150	25

Method Blank Summary
Form 4
Pesticides

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab Sample ID	: WG2147488-1	**Lab File ID**	: 15251202a-24
Matrix	: WATER	**Extraction Date**	: 11/29/25
Analysis Date (1)	: 12/02/25 18:33	**Analysis Date (2)**	: 12/02/25 18:33
Instrument ID (1)	: PEST15	**Instrument ID (2)**	: PEST15

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG2147488-2LCS	WG2147488-2	12/02/25 18:52	12/02/25 18:52
WG2147488-3LCSD	WG2147488-3	12/02/25 19:10	12/02/25 19:10
WC-112525	L2575576-08	12/02/25 19:29	12/02/25 19:29

Analytical Sequence
Form 8b
Pesticides

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: PEST15	**Initial Calib. Date(s)**	: 10/20/25 10/20/25

Client ID	Lab ID	Date/Time Analyzed
Herbicides L1	R2027993-1	10/20/25 06:09
Herbicides L2	R2027993-2	10/20/25 06:28
Herbicides L3	R2027993-3	10/20/25 06:47
Herbicides L4	R2027993-4	10/20/25 07:05
Herbicides L5	R2027993-5	10/20/25 07:24
Herbicides L6	R2027993-6	10/20/25 07:43
R2027993-7 ICV	R2027993-7	10/20/25 08:01
WG2148330-2 CCAL	WG2148330-2	12/02/25 17:01
WG2147488-1 BLANK	WG2147488-1	12/02/25 18:33
WG2147488-2 LCS	WG2147488-2	12/02/25 18:52
WG2147488-3 LCSD	WG2147488-3	12/02/25 19:10
WC-112525	L2575576-08	12/02/25 19:29

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14024-1
Page: 1

Herbicides -EPA 8151A Long List (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
MCPP	93-65-2	500	58.5	ug/l	30-150	25	30-150	25	25			
MCPA	94-74-6	500	63.2	ug/l	30-150	25	30-150	25	25			
Dalapon	75-99-0	20	0.81	ug/l	30-150	25	30-150	25	25			
Dicamba	1918-00-9	1	0.243	ug/l	30-150	25	30-150	25	25			
Dichloroprop	120-36-5	10	0.564	ug/l	30-150	25	30-150	25	25			
2,4-D	94-75-7	10	0.498	ug/l	30-150	25	30-150	25	25			
2,4-DB	94-82-6	10	0.729	ug/l	30-150	25	30-150	25	25			
2,4,5-T	93-76-5	2	0.531	ug/l	30-150	25	30-150	25	25			
2,4,5-TP (Silvex)	93-72-1	2	0.539	ug/l	30-150	25	30-150	25	25			
Dinoseb	88-85-7	5	0.573	ug/l	30-150	25	30-150	25	25			
DCAA	*19719-28-9*									*30-150*		

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

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14022-1
Page: 1

Herbicides -EPA 8151A Long List (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
MCPP	93-65-2	3.33	1.04895	mg/kg	30-150	30	30-150	30	30			
MCPA	94-74-6	3.33	0.94239	mg/kg	30-150	30	30-150	30	30			
Dalapon	75-99-0	0.0333	0.0108891	mg/kg	30-150	30	30-150	30	30			
Dicamba	1918-00-9	0.0333	0.0055944	mg/kg	30-150	30	30-150	30	30			
Dichloroprop	120-36-5	0.0333	0.0095571	mg/kg	30-150	30	30-150	30	30			
2,4-D	94-75-7	0.1665	0.0104895	mg/kg	30-150	30	30-150	30	30			
2,4-DB	94-82-6	0.1665	0.0085581	mg/kg	30-150	30	30-150	30	30			
2,4,5-T	93-76-5	0.1665	0.0051615	mg/kg	30-150	30	30-150	30	30			
2,4,5-TP (Silvex)	93-72-1	0.1665	0.0044289	mg/kg	30-150	30	30-150	30	30			
DCAA	*19719-28-9*									*30-150*		

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

Herbicide Sample Data

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-08	Date Collected	: 11/25/25 12:00
Client ID	: WC-112525	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/02/25 19:29
Sample Matrix	: WATER	Date Extracted	: 11/29/25
Analytical Method	: 1,8151A	Dilution Factor	: 1
Lab File ID	: 15251202a-27	Analyst	: JAG
Sample Amount	: 1000 ml	Instrument ID	: PEST15
Extraction Method	: EPA 8151A	GC Column	: STX-CLP1
Extract Volume	: 10000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: WG2147488-1	Date Collected	: NA
Client ID	: WG2147488-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/02/25 18:33
Sample Matrix	: WATER	Date Extracted	: 11/29/25
Analytical Method	: 1,8151A	Dilution Factor	: 1
Lab File ID	: 15251202a-24	Analyst	: JAG
Sample Amount	: 1000 ml	Instrument ID	: PEST15
Extraction Method	: EPA 8151A	GC Column	: STX-CLP1
Extract Volume	: 10000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest15\2025\251202A\
Data File : 15251202a-27.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2025 7:29 pm
Operator : Pest15:jag
Sample : L2575576-08,42,,
Misc : wg2148330,WG2147488,ical22766
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 04 09:27:31 2025
Quant Method : I:\PEST\Pest15\2025\251202A\Herb15_2025_10_20_mgL_ICAL22766.m
Quant Title : herb
QLast Update : Wed Dec 03 05:56:44 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest15\2025\251202A\15251202a-19.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards							
1) i	4,4'-DBOB	8.384	8.463	859.4E6	576.6E6	0.250M4	0.250M4
	Standard Area 1 : #1 = 789523187				Recovery = 108.86%		
	Standard Area 1 : #2 = 534089053				Recovery = 107.96%		
System Monitoring Compounds							
3) s	DCAA (surrog	6.941	7.471	150.8E6	105.5E6	0.235M4	0.223M4
	Spiked Amount 0.500	Range 30 - 150		Recovery = 47.00%		44.60%	
Target Compounds							
8) t	2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t	2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument							

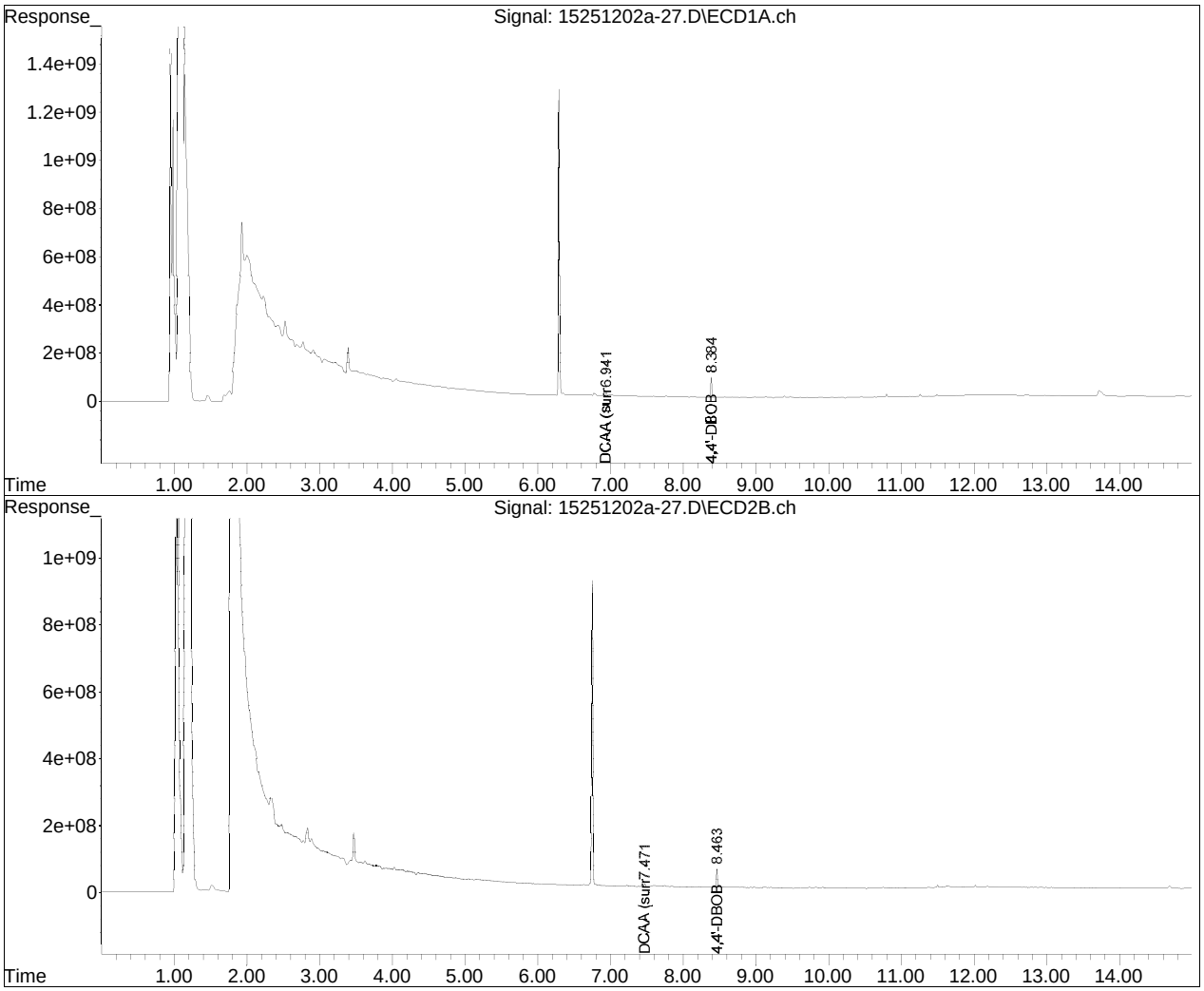
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\15251202a-19.D•

Data Path : I:\PEST\Pest15\2025\251202A\
Data File : 15251202a-27.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2025 7:29 pm
Operator : Pest15:jag
Sample : L2575576-08,42,,
Misc : wg2148330,WG2147488,ical22766
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 04 09:27:31 2025
Quant Method : I:\PEST\Pest15\2025\251202A\Herb15_2025_10_20_mgL_ICAL22766.m
Quant Title : herb
QLast Update : Wed Dec 03 05:56:44 2025
Response via : Initial Calibration
Integrator: ChemStation

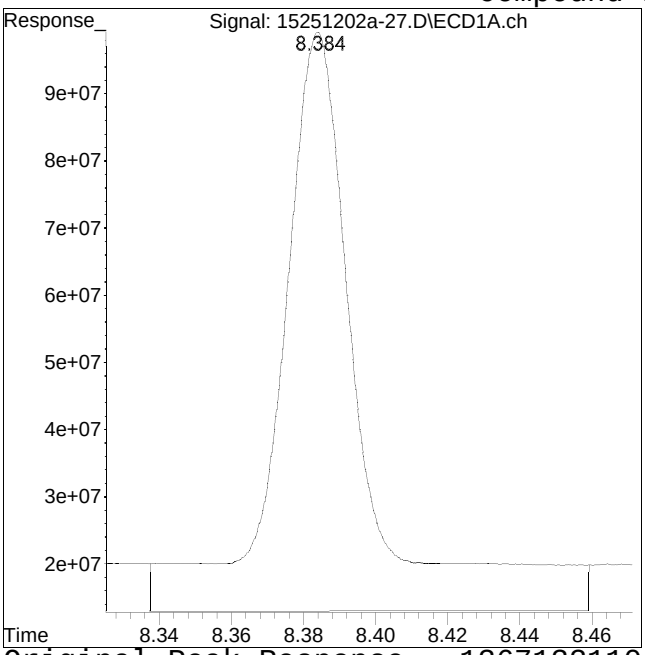
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

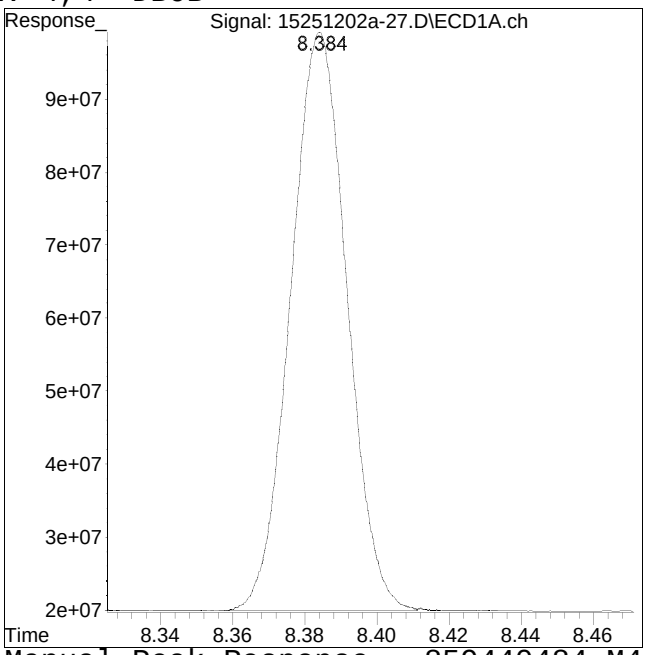


Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-27.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 7:29 pm Instrument : Pest 15
Sample : L2575576-08,42,, Quant Date : 12/4/2025 9:27 am

Compound #1: 4,4'-DBOB



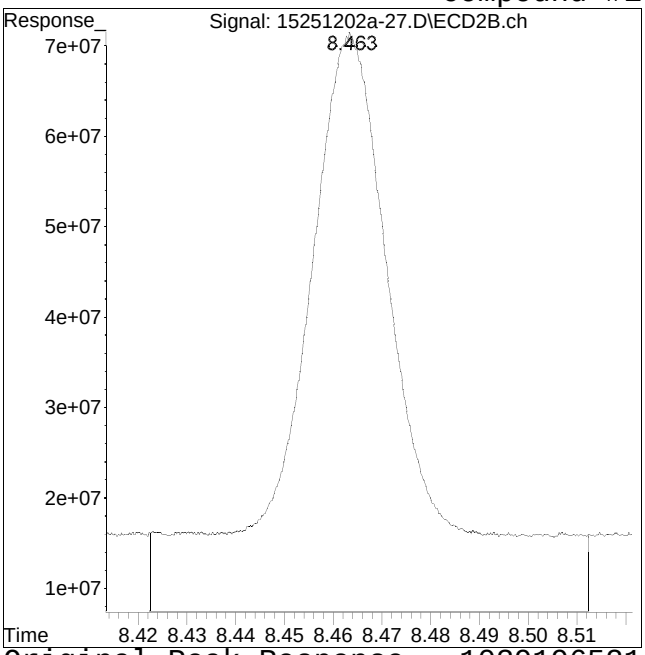


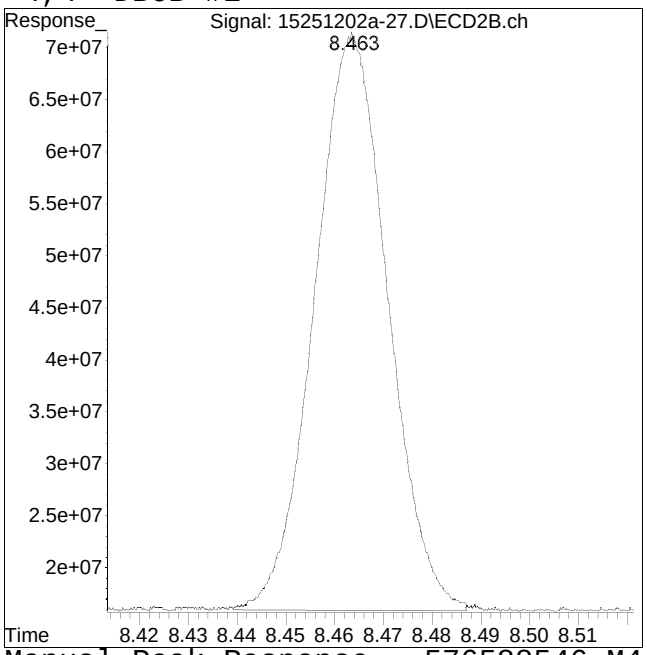
Original Peak Response = 1367133110 Manual Peak Response = 859440484 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-27.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 7:29 pm Instrument : Pest 15
Sample : L2575576-08,42,, Quant Date : 12/4/2025 9:27 am

Compound #14: 4,4'-DBOB #2



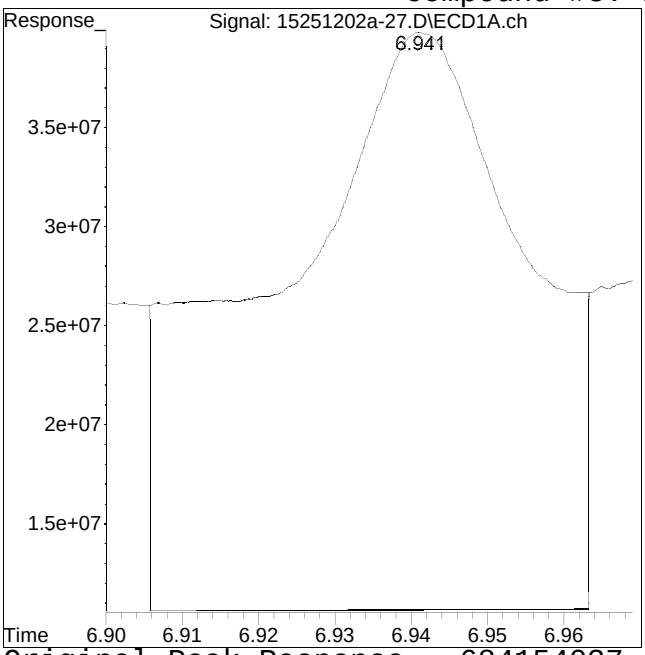


Original Peak Response = 1039196521 Manual Peak Response = 576588546 M4
M4 = Poor automated baseline construction.

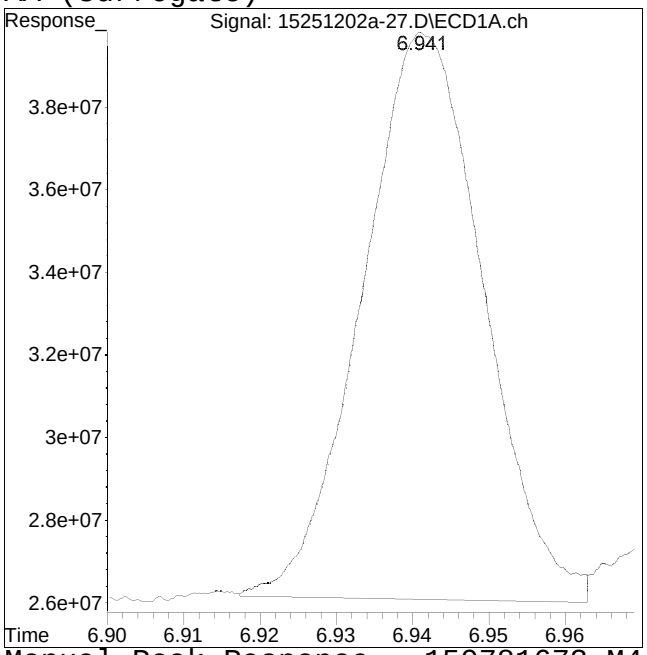
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-27.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 7:29 pm Instrument : Pest 15
Sample : L2575576-08,42,, Quant Date : 12/4/2025 9:27 am

Compound #3: DCAA (surrogate)



Original Peak Response = 684154037



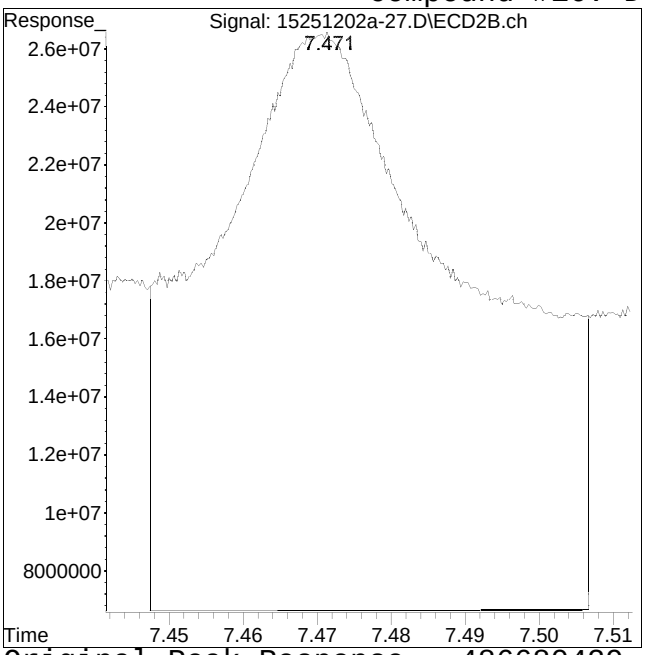
Manual Peak Response = 150781673 M4

M4 = Poor automated baseline construction.

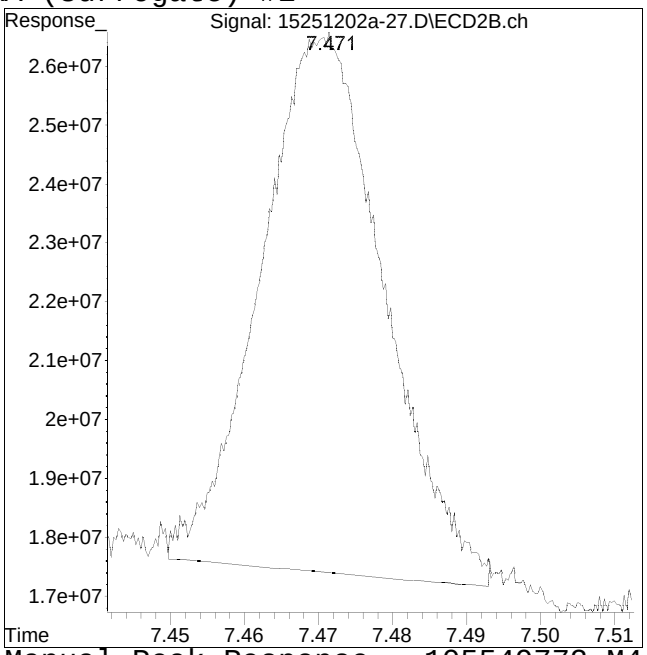
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-27.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 7:29 pm Instrument : Pest 15
Sample : L2575576-08,42,, Quant Date : 12/4/2025 9:27 am

Compound #16: DCAA (surrogate) #2



Original Peak Response = 486680429



Manual Peak Response = 105549772 M4

M4 = Poor automated baseline construction.

Herbicides Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Pesticides

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2575576**
Project Name	**: 1000 TURK HILL RD GWS**	**Project Number**	**: 3113.0001Y000**
Instrument ID	**: PEST15**	**Ical Ref**	**: ICAL22766**
Calibration dates	**: 10/20/25 06:09 10/20/25 07:43**		

Calibration Files

1 =15251020i-02.D 2 =15251020i-03.D 3 =15251020i-04.D 4 =15251020i-05.D 5 =15251020i-06.D

6 =15251020i-07.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.252	0.249	0.223	0.218	0.206	0.202	0.225	9.36
3)	s	DCAA (surrogate)	0.218	0.207	0.200	0.178	0.165	0.152	0.187	13.83
4)	t	Dicamba	0.634	0.599	0.580	0.524	0.496	0.466	0.550	11.80
5)	t	MCPP	0.002	0.002	0.001	0.001	0.001	0.001	*Q	0.9959
6)	t	MCPA	0.003	0.002	0.002	0.002	0.001	0.001	*Q	0.9946
7)	t	Dichloroprop	0.203	0.191	0.183	0.164	0.151	0.142	0.172	13.82
8)	t	2,4-D	0.238	0.229	0.222	0.203	0.190	0.182	0.211	10.67
9)	t	2,4,5-TP (Silvex)	0.842	0.818	0.800	0.735	0.691	0.664	0.758	9.56
10)	t	2,4,5-T	0.829	0.803	0.795	0.731	0.693	0.677	0.755	8.35
11)	t	2,4-DB		0.072	0.070	0.092	0.104	0.105	*L	0.9974
12)	t	Dinoseb	0.566	0.556	0.562	0.514	0.491	0.481	0.528	7.15

Initial Calibration Summary
Form 6
Pesticides

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2575576**
Project Name	**: 1000 TURK HILL RD GWS**	**Project Number**	**: 3113.0001Y000**
Instrument ID	**: PEST15**	**Ical Ref**	**: ICAL22766**
Calibration dates	**: 10/20/25 06:09 10/20/25 07:43**		

Signal #2 Calibration Files

1 =15251020i-02.D 2 =15251020i-03.D 3 =15251020i-04.D 4 =15251020i-05.D 5 =15251020i-06.D

6 =15251020i-07.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.346	0.307	0.285	0.282	0.270	0.282	0.295	9.33
3)	s	DCAA (surrogate)	0.237	0.220	0.215	0.195	0.185	0.178	0.205	11.06
4)	t	Dicamba	0.672	0.642	0.633	0.589	0.585	0.579	0.617	6.12
5)	t	MCPP	0.000	0.001	0.001	0.001	0.001	0.001	0.001	9.78
6)	t	MCPA	0.001	0.001	0.001	0.001	0.001	0.001	0.001	7.88
7)	t	Dichloroprop	0.209	0.192	0.186	0.172	0.162	0.161	0.180	10.49
8)	t	2,4-D	0.260	0.238	0.232	0.213	0.205	0.209	0.226	9.43
9)	t	2,4,5-TP (Sil	0.837	0.816	0.807	0.772	0.761	0.773	0.794	3.76
10)	t	2,4,5-T	0.788	0.776	0.768	0.743	0.744	0.772	0.765	2.36
11)	t	2,4-DB		0.071	0.070	0.087	0.101	0.108	*L	0.9955
12)	t	Dinoseb	0.508	0.509	0.512	0.493	0.493	0.508	0.504	1.69

Response Factor Report Pest 15

Method Path : I:\PEST\Pest15\2025\251020ICAL\
Method File : Herb15_2025_10_20_mgL_ICAL.m
Title : herb
Last Update : Fri Oct 24 15:10:51 2025
Response Via : Initial Calibration

Calibration Files
1 =15251020i-02.D 2 =15251020i-03.D 3 =15251020i-04.D 4 =15251020i-05.D 5 =15251020i-06.D
6 =15251020i-07.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.252	0.249	0.223	0.218	0.206	0.202	0.225	9.36
3)	s	DCAA (surrogate)	0.218	0.207	0.200	0.178	0.165	0.152	0.187	13.83
4)	t	Dicamba	0.634	0.599	0.580	0.524	0.496	0.466	0.550	11.80
5)	t	MCPP	0.002	0.002	0.001	0.001	0.001	0.001	*Q	0.9959
6)	t	MCPA	0.003	0.002	0.002	0.002	0.001	0.001	*Q	0.9946
7)	t	Dichloroprop	0.203	0.191	0.183	0.164	0.151	0.142	0.172	13.82
8)	t	2,4-D	0.238	0.229	0.222	0.203	0.190	0.182	0.211	10.67
9)	t	2,4,5-TP (Sil...	0.842	0.818	0.800	0.735	0.691	0.664	0.758	9.56
10)	t	2,4,5-T	0.829	0.803	0.795	0.731	0.693	0.677	0.755	8.35
11)	t	2,4-DB		0.072	0.070	0.092	0.104	0.105	*L	0.9974
12)	t	Dinoseb	0.566	0.556	0.562	0.514	0.491	0.481	0.528	7.15

Signal #2 Calibration Files
1 =15251020i-02.D 2 =15251020i-03.D 3 =15251020i-04.D 4 =15251020i-05.D 5 =15251020i-06.D
6 =15251020i-07.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.346	0.307	0.285	0.282	0.270	0.282	0.295	9.33
3)	s	DCAA (surrogate)	0.237	0.220	0.215	0.195	0.185	0.178	0.205	11.06
4)	t	Dicamba	0.672	0.642	0.633	0.589	0.585	0.579	0.617	6.12
5)	t	MCPP	0.000	0.001	0.001	0.001	0.001	0.001	0.001	9.78
6)	t	MCPA	0.001	0.001	0.001	0.001	0.001	0.001	0.001	7.88
7)	t	Dichloroprop	0.209	0.192	0.186	0.172	0.162	0.161	0.180	10.49
8)	t	2,4-D	0.260	0.238	0.232	0.213	0.205	0.209	0.226	9.43
9)	t	2,4,5-TP (Sil...	0.837	0.816	0.807	0.772	0.761	0.773	0.794	3.76
10)	t	2,4,5-T	0.788	0.776	0.768	0.743	0.744	0.772	0.765	2.36
11)	t	2,4-DB		0.071	0.070	0.087	0.101	0.108	*L	0.9955

Method Path : I:\PEST\Pest15\2025\251020ICAL\
Method File : Herb15_2025_10_20_mgL_ICAL.m
Title : herb
Last Update : Fri Oct 24 15:10:51 2025
Response Via : Initial Calibration

Calibration Files
1 =15251020i-02.D 2 =15251020i-03.D 3 =15251020i-04.D 4 =15251020i-05.D 5 =15251020i-06.D
6 =15251020i-07.D

	Compound	1	2	3	4	5	6	Avg	%RSD
12) t	Dinoseb	0.508	0.509	0.512	0.493	0.493	0.508	0.504	1.69

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest15\2025\251020ICAL\
Data File : 15251020i-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 6:09
Operator : Pest15:ejl
Sample : il1herb,42e,,pp 12244 L0.005/5
Misc : WG2133146,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 24 14:59:47 2025
Quant Method : I:\PEST\Pest15\2025\251020ICAL\Herb15_2025_10_20_mgL_ICAL.m
Quant Title : herb
QLast Update : Fri Oct 24 14:59:41 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.364	8.433	914.6E6	597.2E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.846	7.382	37499158	26589910	0.057M4	0.056M4
		Spiked Amount 0.500	Range 30 - 150		Recovery =		11.40%#	11.20%#
		Target Compounds						
2)	t	Dalapon	2.072	2.174	41923792	37583865	0.052M4	0.055M3
4)	t	Dicamba	7.019	7.559	109.1E6	75410319	0.056M3	0.052M4
5)	t	MCPP	7.216	7.665	29095184	5545535	6.655M4	3.717M4
	D							
6)	t	MCPA	7.361	7.893	46853122	13365586	7.495M3	5.309M4
7)	t	Dichloroprop	7.714	8.208	34838944	23469517	0.057M4	0.056M4
8)	t	2,4-D	7.931	8.484	40982403	29241747	0.055M4	0.056M4
9)	t	2,4,5-TP (Si	8.641	9.135	146.3E6	94931075	0.054M3	0.051M4
10)	t	2,4,5-T	8.867	9.428	144.1E6	89355422	0.053M3	0.049
11)	t	2,4-DB	9.276	9.789	18711641	11655069	0.058M4	0.056M4
12)	t	Dinoseb	10.012	10.011	98345706	57656925	0.052M4	0.048M4

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest15\2025\251020ICAL\
Data File : 15251020i-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 6:09
Operator : Pest15:ejl
Sample : il1herb,42e,,pp 12244 L0.005/5
Misc : WG2133146,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 24 14:59:47 2025
Quant Method : I:\PEST\Pest15\2025\251020ICAL\Herb15_2025_10_20_mgL_ICAL.m
Quant Title : herb
QLast Update : Fri Oct 24 14:59:41 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

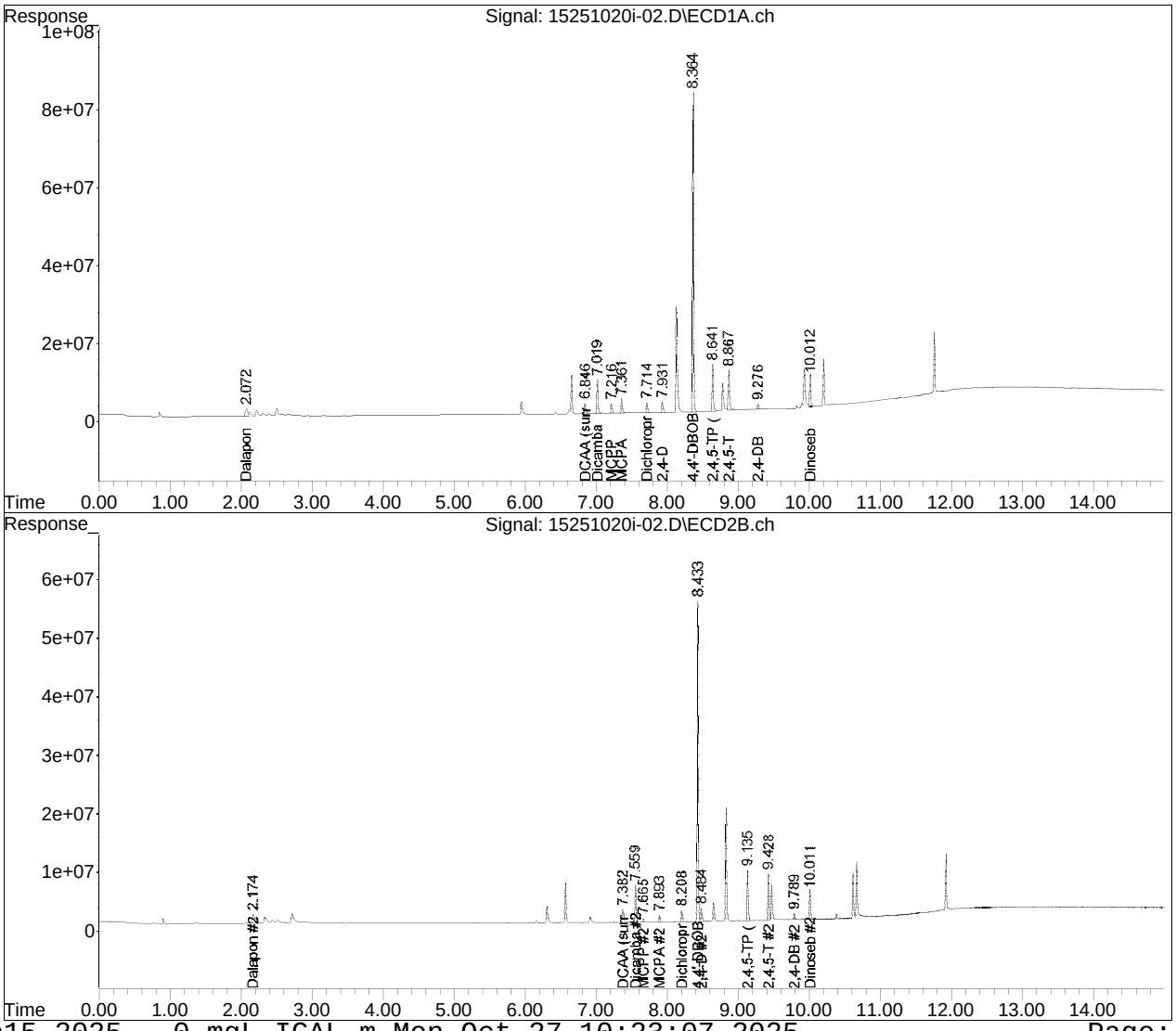
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest15\2025\251020ICAL\
Data File : 15251020i-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 6:09
Operator : Pest15:ejl
Sample : il1herb,42e,,pp 12244 L0.005/5
Misc : WG2133146,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 24 14:59:47 2025
Quant Method : I:\PEST\Pest15\2025\251020ICAL\Herb15_2025_10_20_mgL_ICAL.m
Quant Title : herb
QLast Update : Fri Oct 24 14:59:41 2025
Response via : Initial Calibration
Integrator: ChemStation

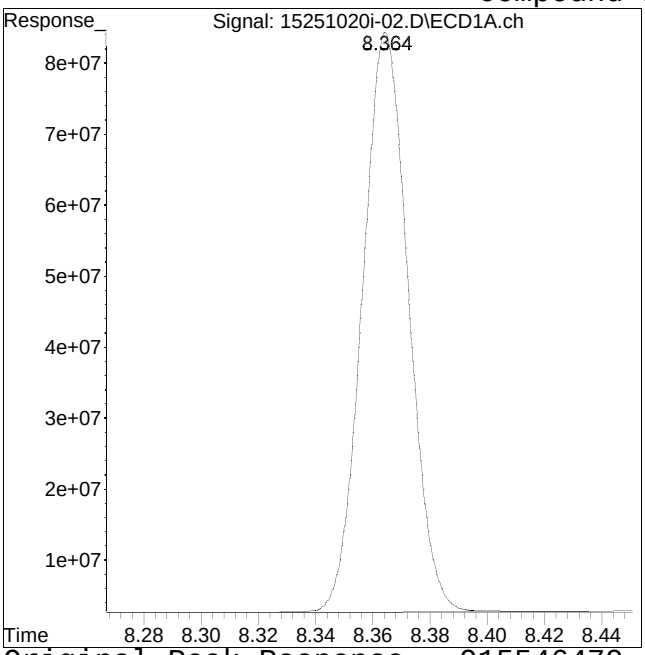
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

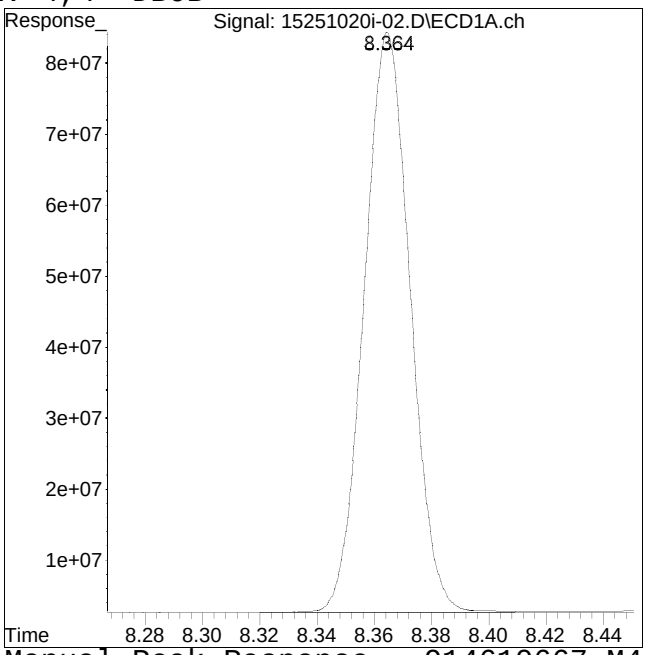


Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-02.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:09 Instrument : Pest 15
Sample : il1herb,42e,,pp 12244 L0.0Quant Date : 10/24/2025 2:59 pm

Compound #1: 4,4'-DBOB





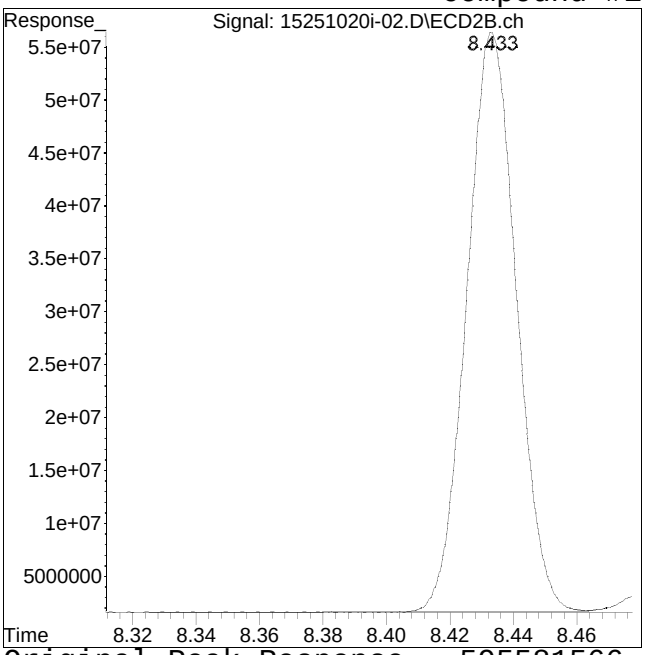
Original Peak Response = 915546479 Manual Peak Response = 914610667 M4
M4 = Poor automated baseline construction.

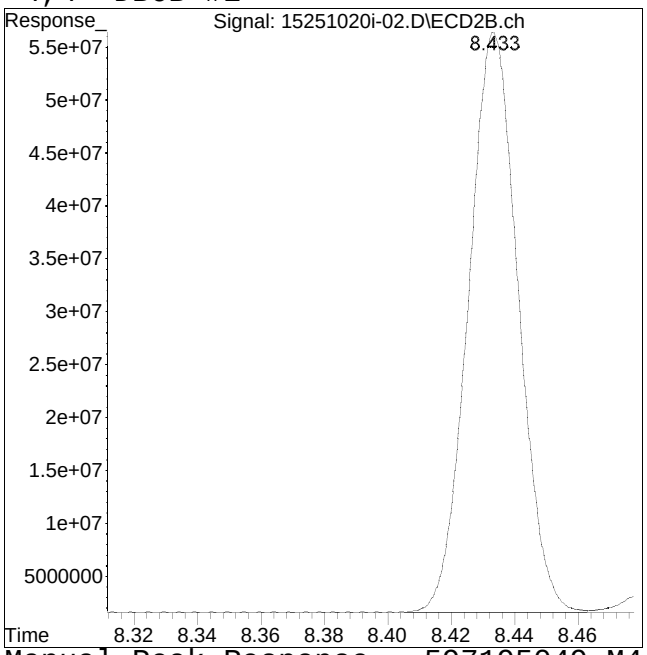
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-02.D
Date Inj'd : 10/20/2025 6:09
Sample : il1herb,42e,,pp 12244 L0.0

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:59 pm

Compound #14: 4,4'-DBOB #2



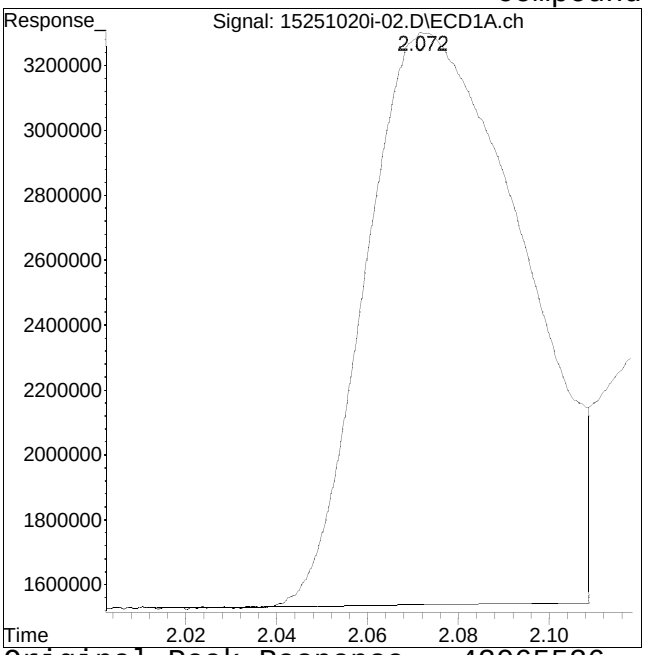


Original Peak Response = 595581566 Manual Peak Response = 597195049 M4
M4 = Poor automated baseline construction.

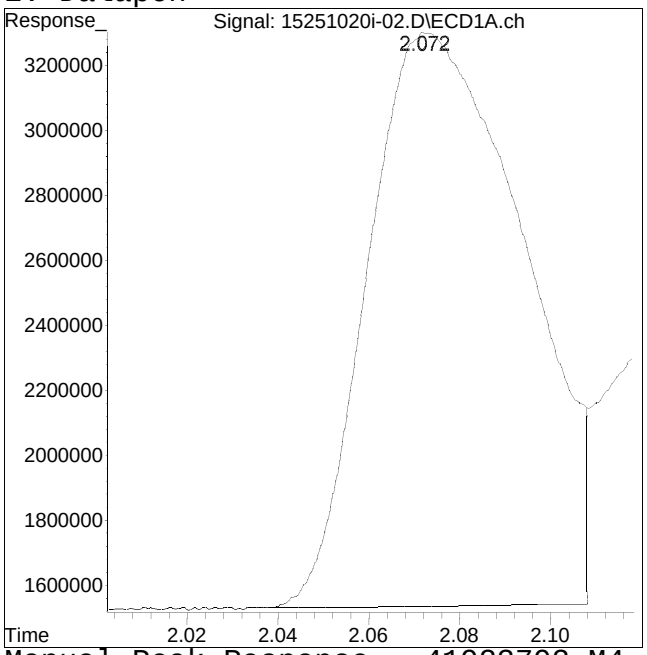
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-02.D
Date Inj'd : 10/20/2025 6:09
Sample : il1herb,42e,,pp 12244 L0.0
Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:59 pm

Compound #2: Dalapon



Original Peak Response = 42065536



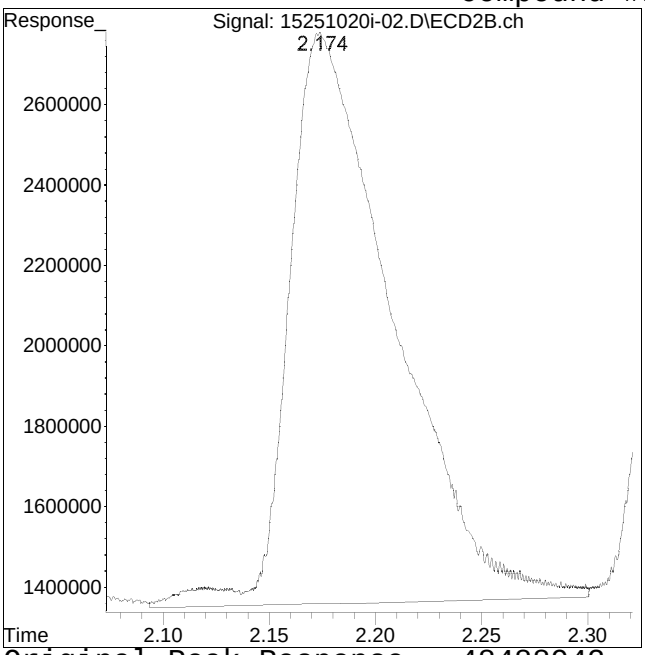
Manual Peak Response = 41923792 M4

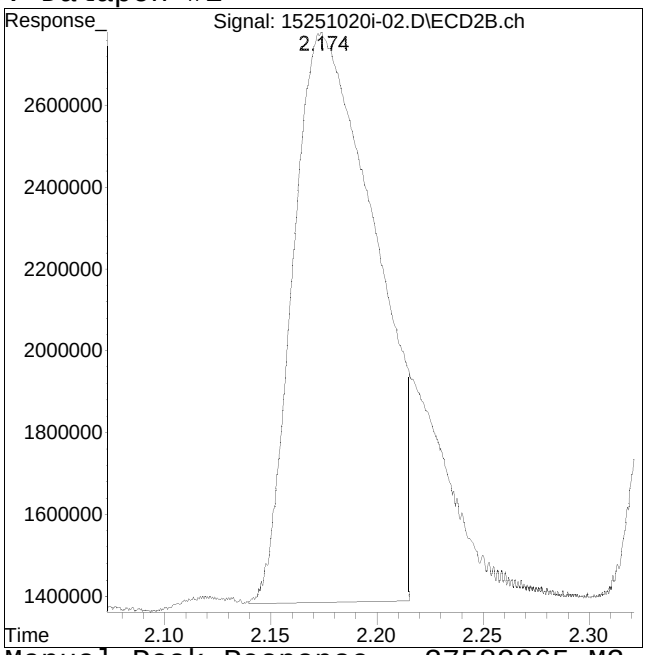
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-02.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:09 Instrument : Pest 15
Sample : il1herb,42e,,pp 12244 L0.0Quant Date : 10/24/2025 2:59 pm

Compound #15: Dalapon #2





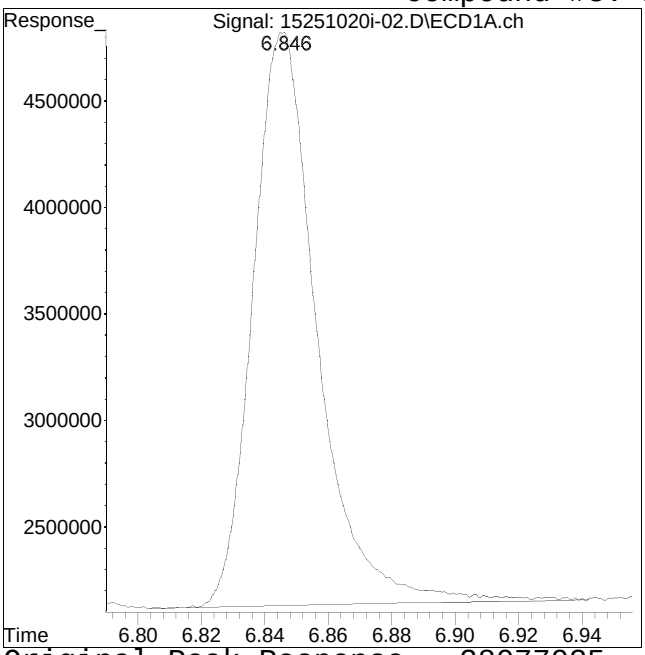
Original Peak Response = 48488942 Manual Peak Response = 37583865 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

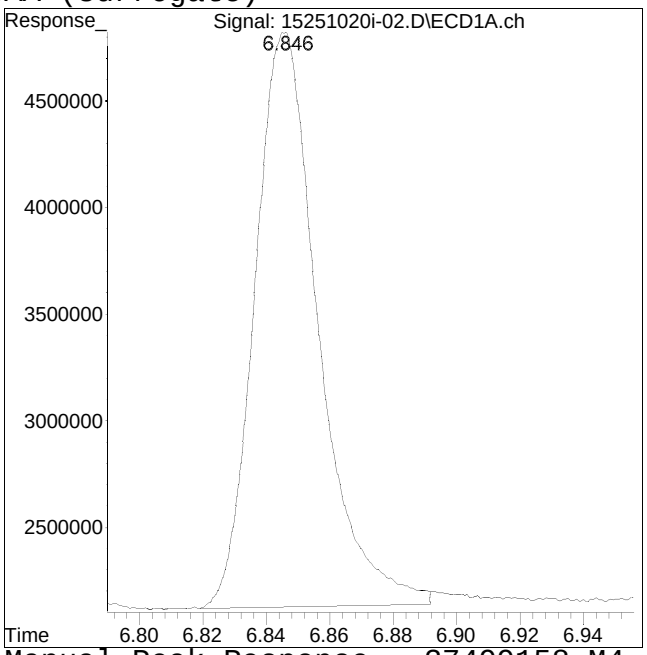
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-02.D
Date Inj'd : 10/20/2025 6:09
Sample : il1herb,42e,,pp 12244 L0.0

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:59 pm

Compound #3: DCAA (surrogate)



Original Peak Response = 38077035



Manual Peak Response = 37499158 M4

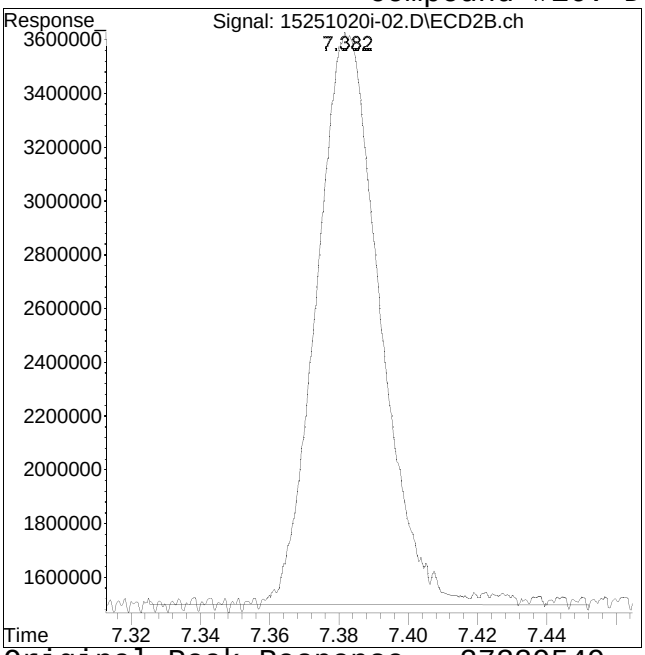
M4 = Poor automated baseline construction.

Manual Integration Report

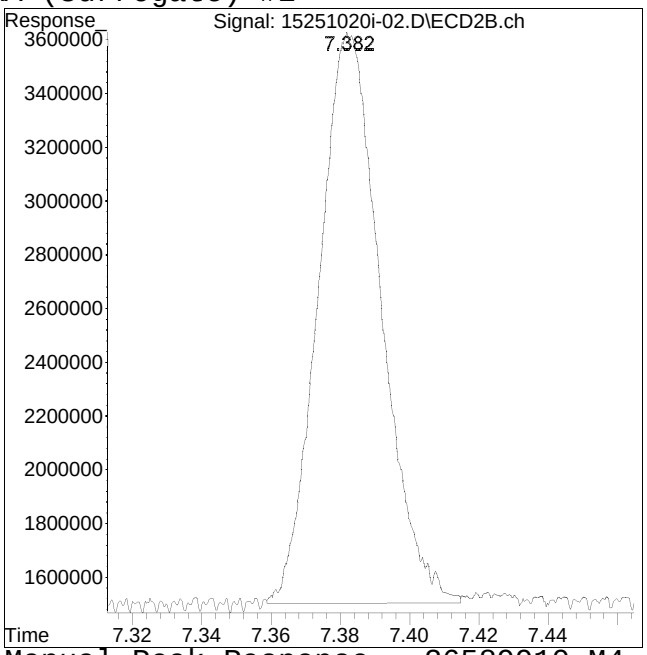
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-02.D
Date Inj'd : 10/20/2025 6:09
Sample : il1herb,42e,,pp 12244 L0.0

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:59 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 27339549



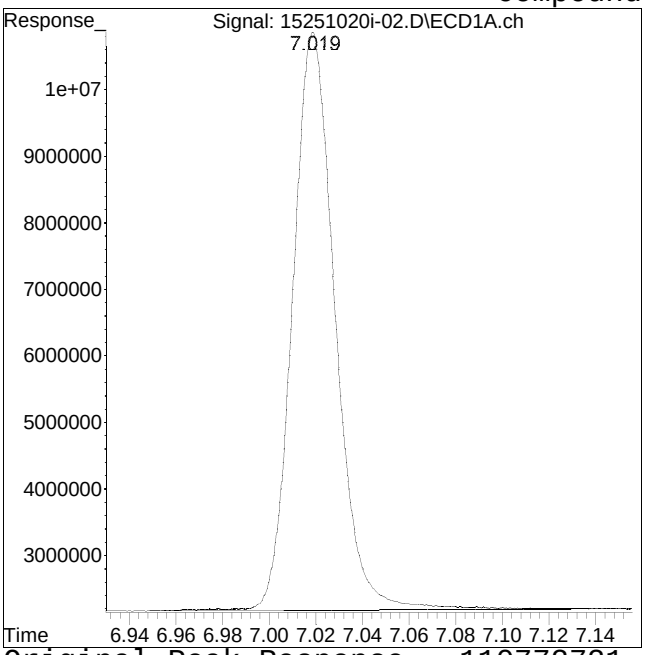
Manual Peak Response = 26589910 M4

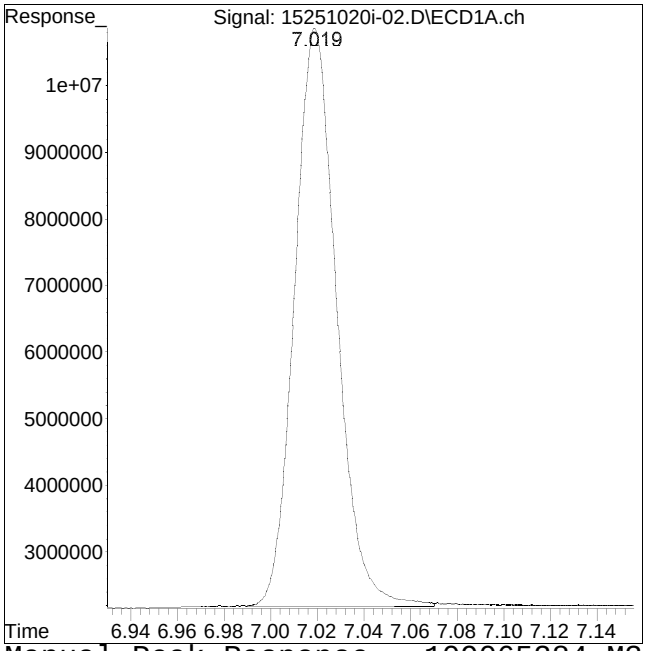
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-02.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:09 Instrument : Pest 15
Sample : il1herb,42e,,pp 12244 L0.0Quant Date : 10/24/2025 2:59 pm

Compound #4: Dicamba



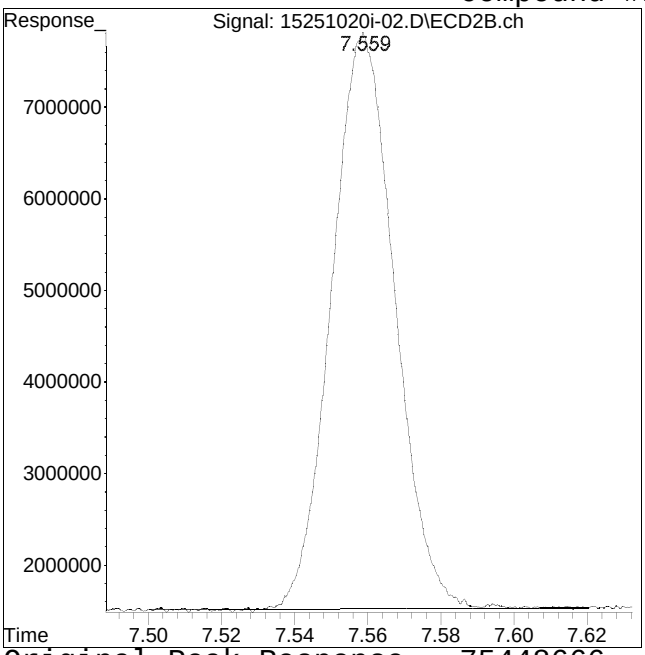


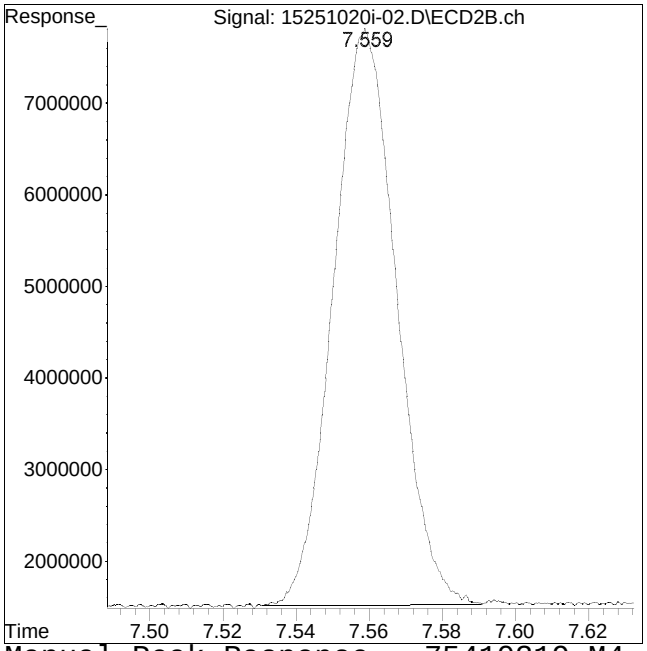
Original Peak Response = 110772721 Manual Peak Response = 109065284 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-02.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:09 Instrument : Pest 15
Sample : il1herb,42e,,pp 12244 L0.0Quant Date : 10/24/2025 2:59 pm

Compound #17: Dicamba #2



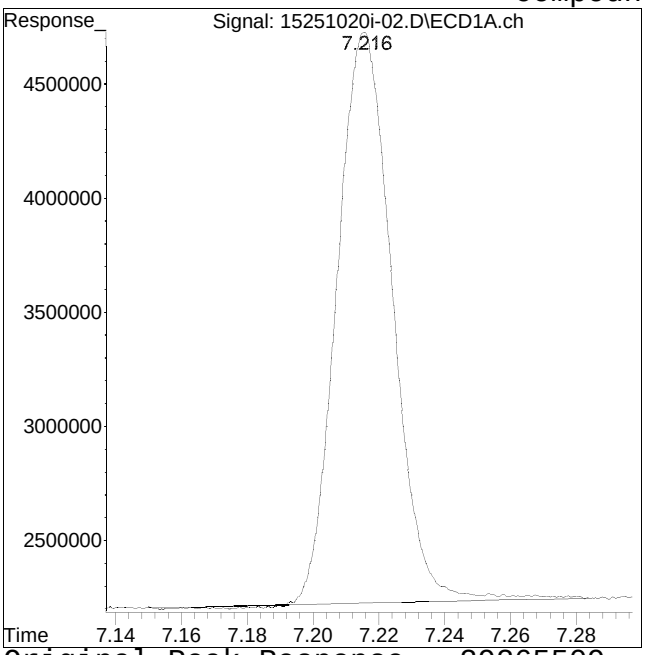


Original Peak Response = 75448666 Manual Peak Response = 75410319 M4
M4 = Poor automated baseline construction.

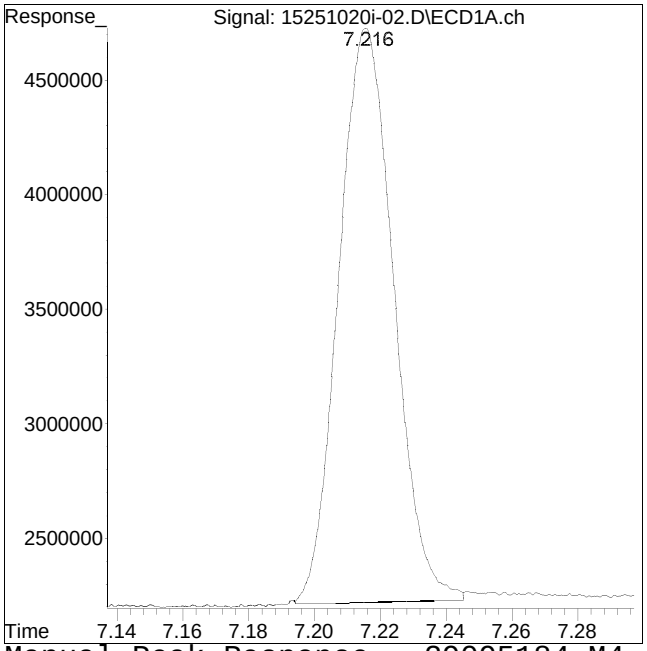
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-02.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:09 Instrument : Pest 15
Sample : il1herb,42e,,pp 12244 L0.0Quant Date : 10/24/2025 2:59 pm

Compound #5: MCPP



Original Peak Response = 29265509



Manual Peak Response = 29095184 M4

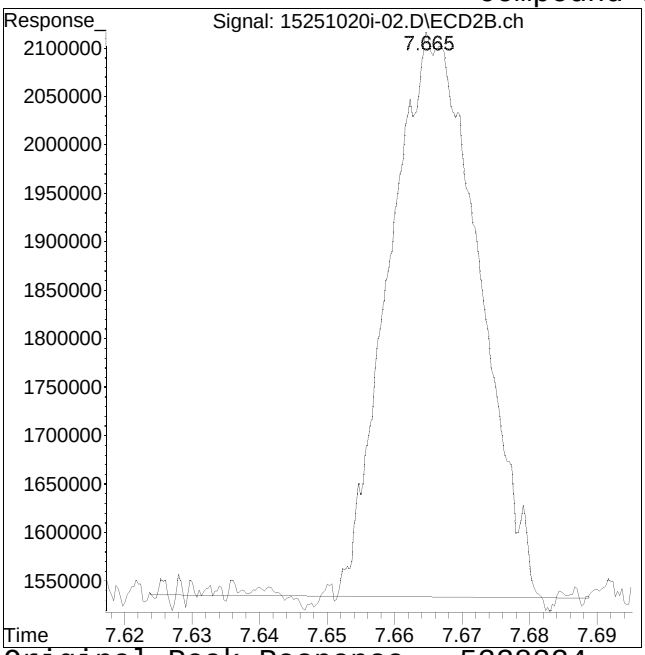
M4 = Poor automated baseline construction.

Manual Integration Report

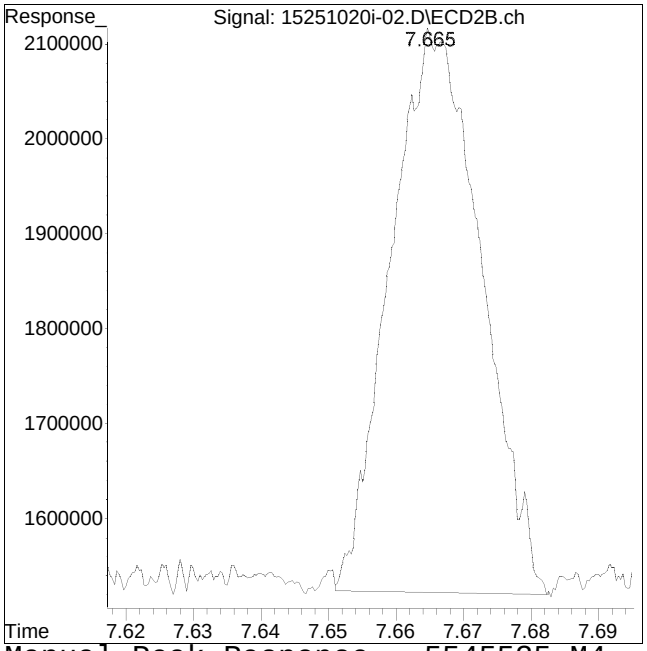
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-02.D
Date Inj'd : 10/20/2025 6:09
Sample : il1herb,42e,,pp 12244 L0.0

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:59 pm

Compound #18: MCPP #2



Original Peak Response = 5338224



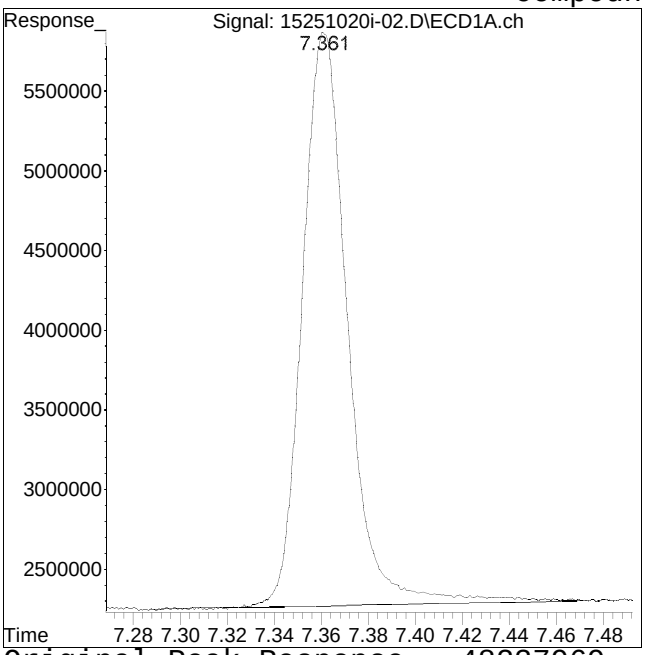
Manual Peak Response = 5545535 M4

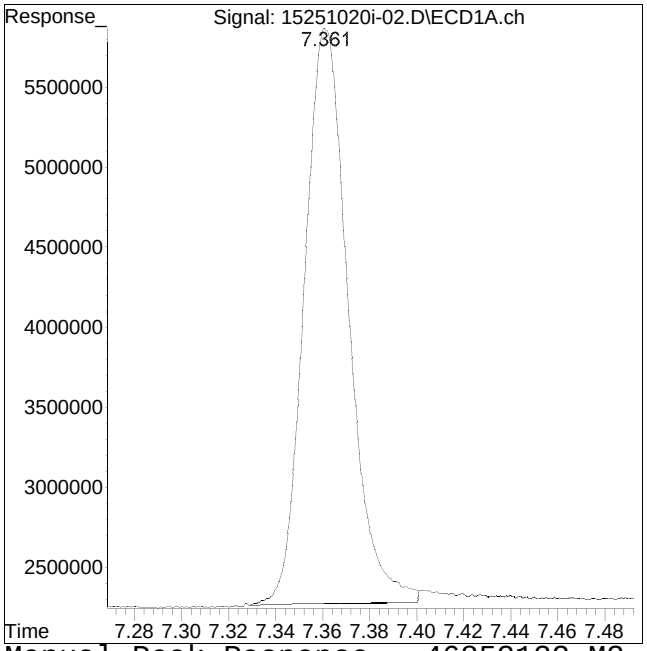
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-02.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:09 Instrument : Pest 15
Sample : il1herb,42e,,pp 12244 L0.0Quant Date : 10/24/2025 2:59 pm

Compound #6: MCPA



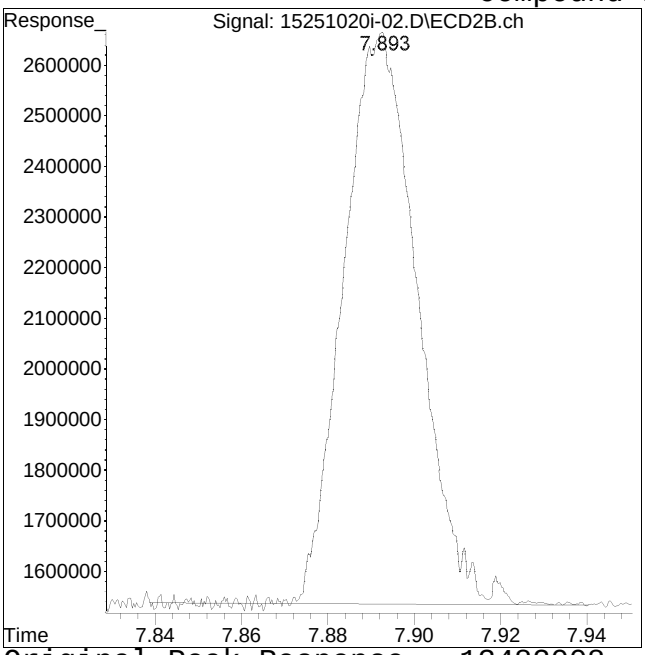


Original Peak Response = 48237969 Manual Peak Response = 46853122 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

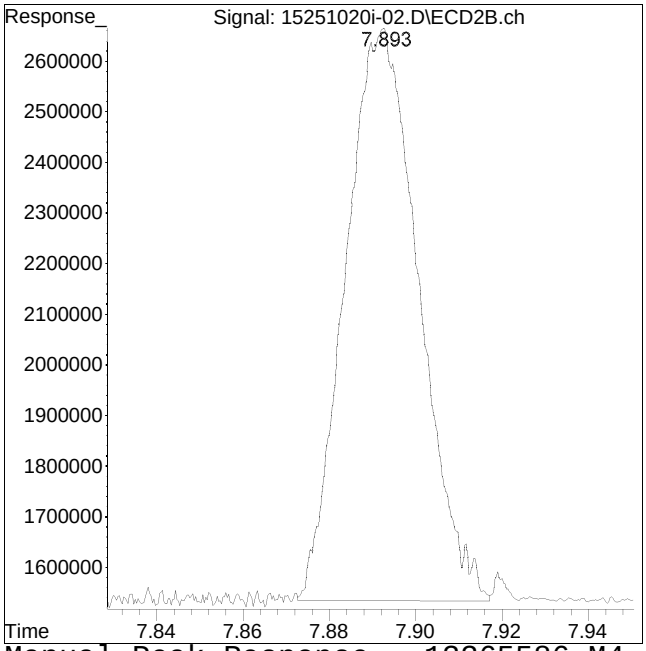
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-02.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:09 Instrument : Pest 15
Sample : il1herb,42e,,pp 12244 L0.0Quant Date : 10/24/2025 2:59 pm

Compound #19: MCPA #2



Original Peak Response = 13482008



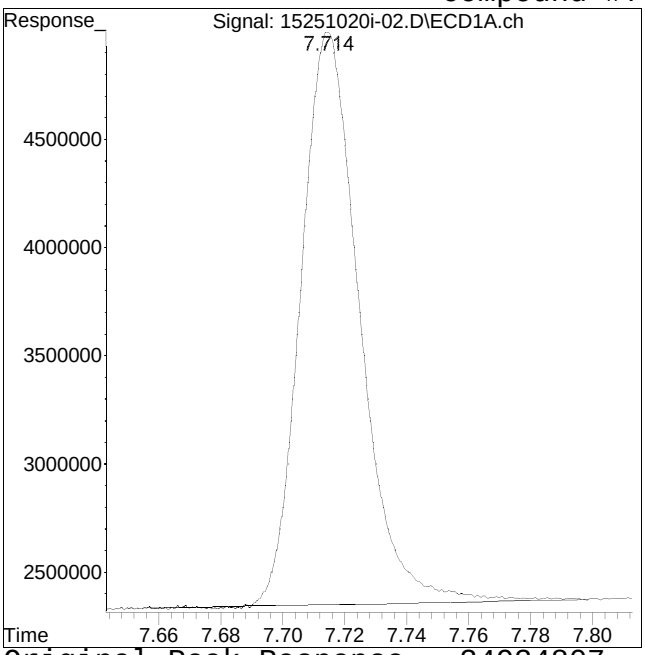
Manual Peak Response = 13365586 M4

M4 = Poor automated baseline construction.

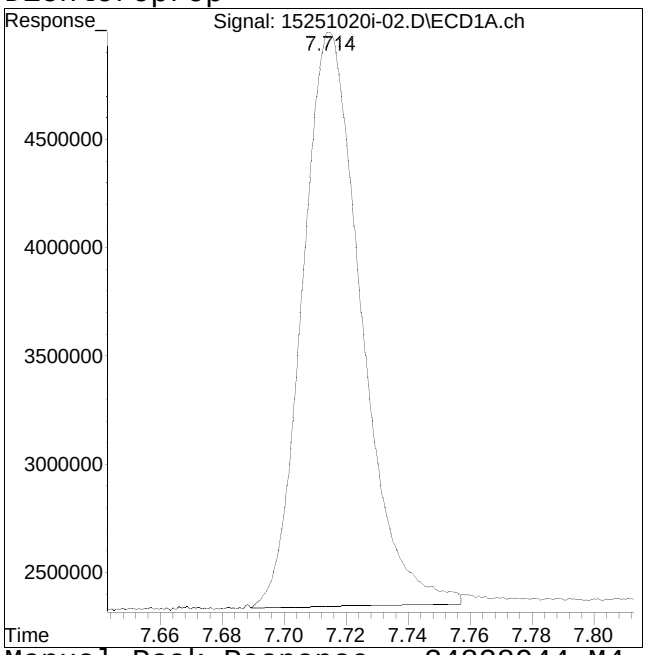
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-02.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:09 Instrument : Pest 15
Sample : il1herb,42e,,pp 12244 L0.0Quant Date : 10/24/2025 2:59 pm

Compound #7: Dichloroprop



Original Peak Response = 34934807



Manual Peak Response = 34838944 M4

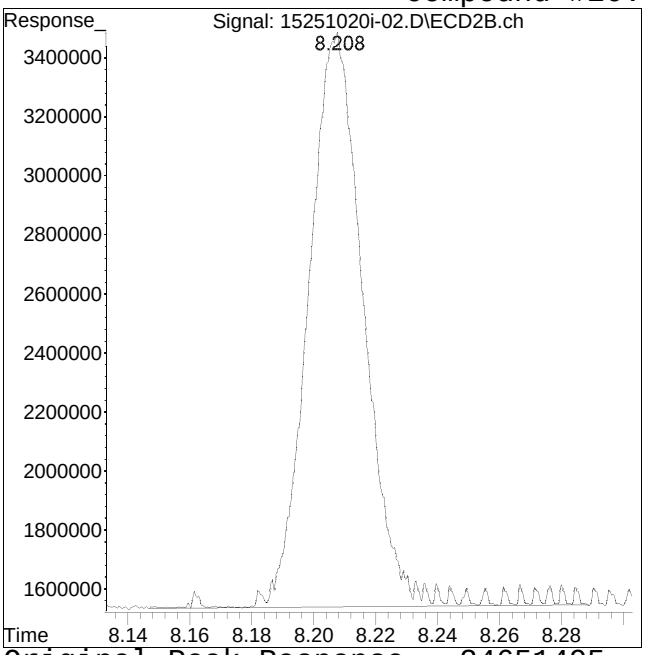
M4 = Poor automated baseline construction.

Manual Integration Report

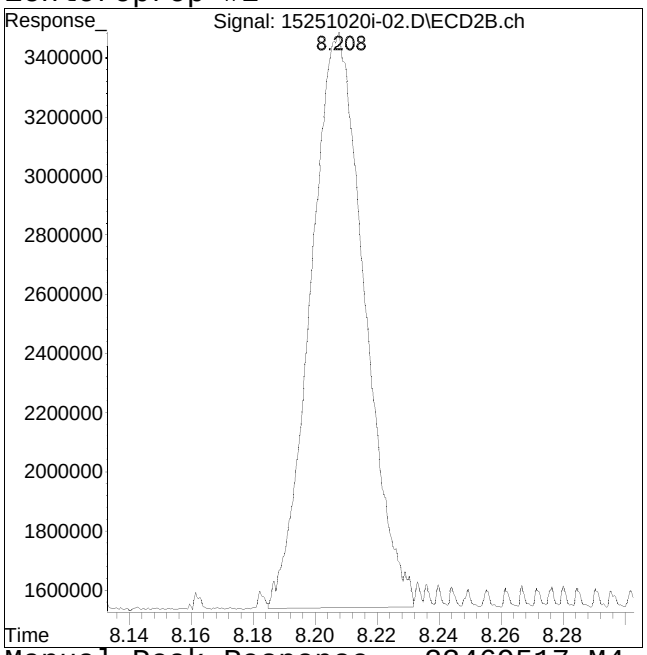
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-02.D
Date Inj'd : 10/20/2025 6:09
Sample : il1herb,42e,,pp 12244 L0.0

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:59 pm

Compound #20: Dichloroprop #2



Original Peak Response = 24651495



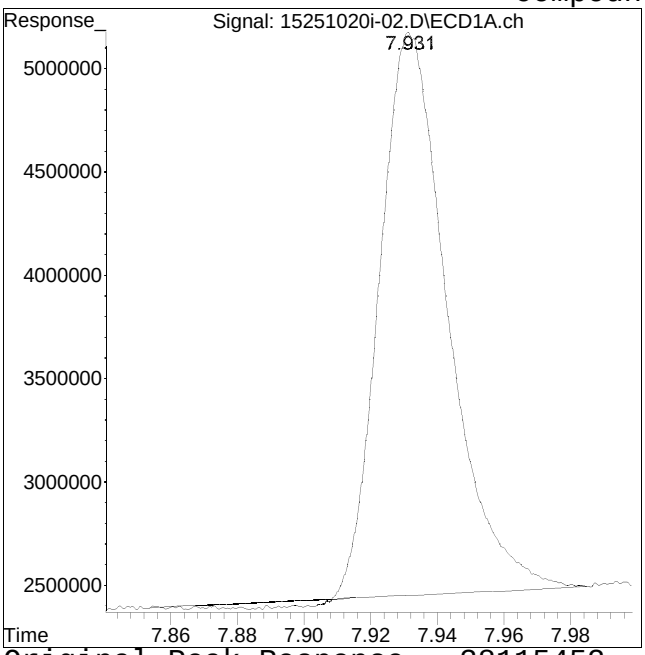
Manual Peak Response = 23469517 M4

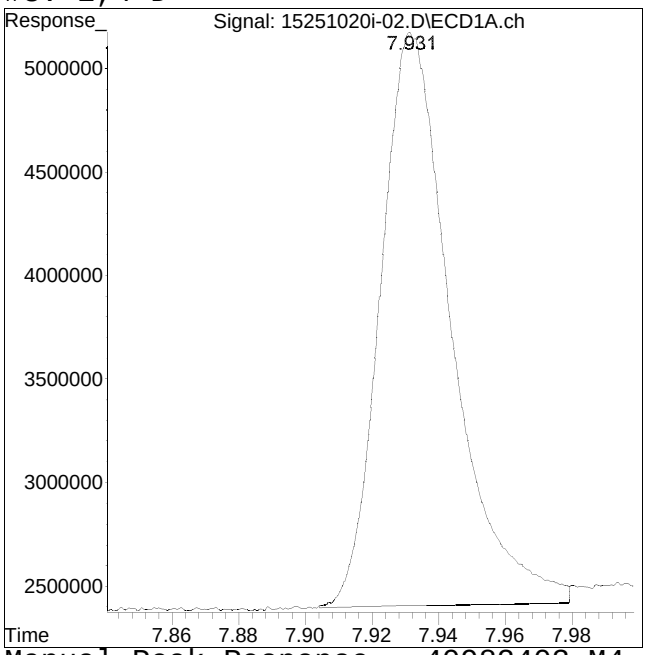
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-02.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:09 Instrument : Pest 15
Sample : il1herb,42e,,pp 12244 L0.0Quant Date : 10/24/2025 2:59 pm

Compound #8: 2,4-D





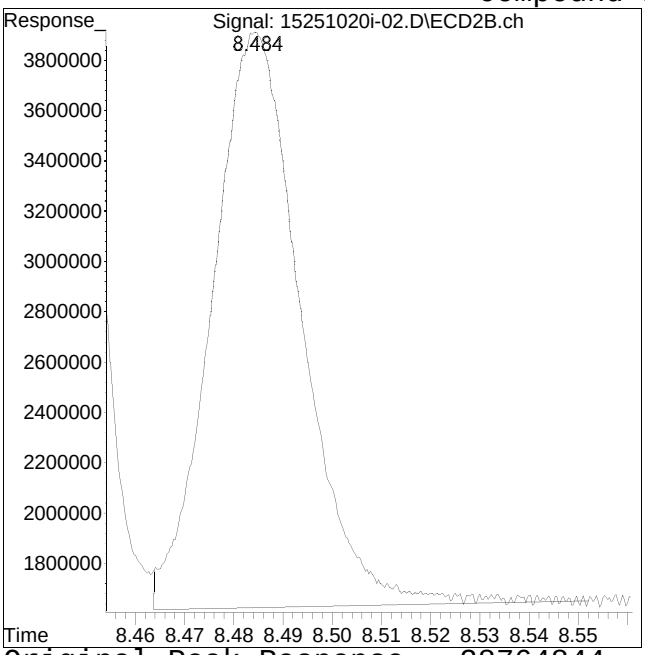
Original Peak Response = 38115452 Manual Peak Response = 40982403 M4
M4 = Poor automated baseline construction.

Manual Integration Report

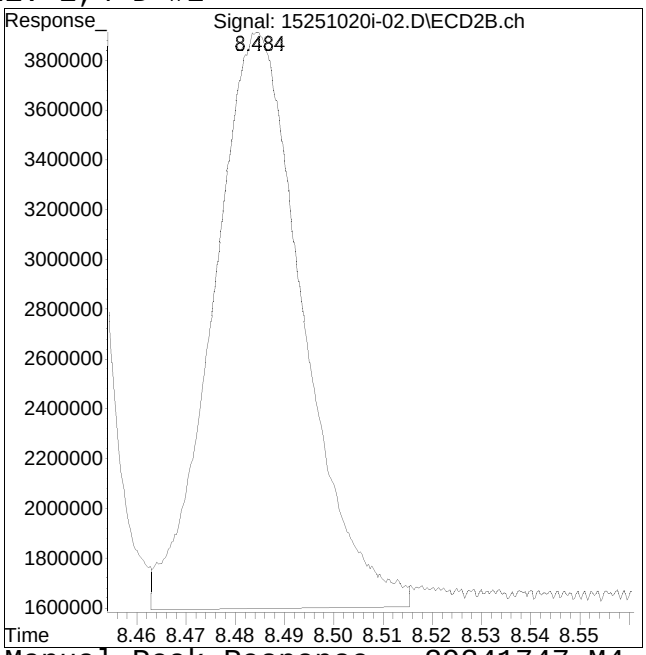
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-02.D
Date Inj'd : 10/20/2025 6:09
Sample : il1herb,42e,,pp 12244 L0.0

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:59 pm

Compound #21: 2,4-D #2



Original Peak Response = 28764844



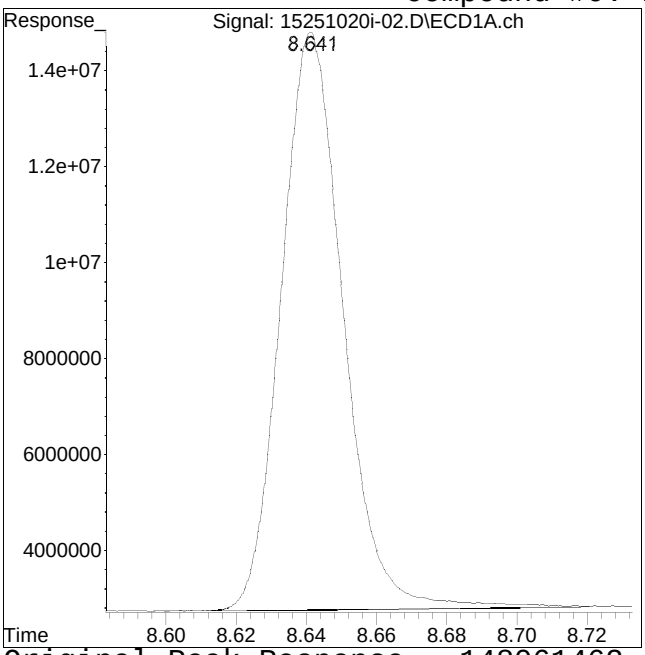
Manual Peak Response = 29241747 M4

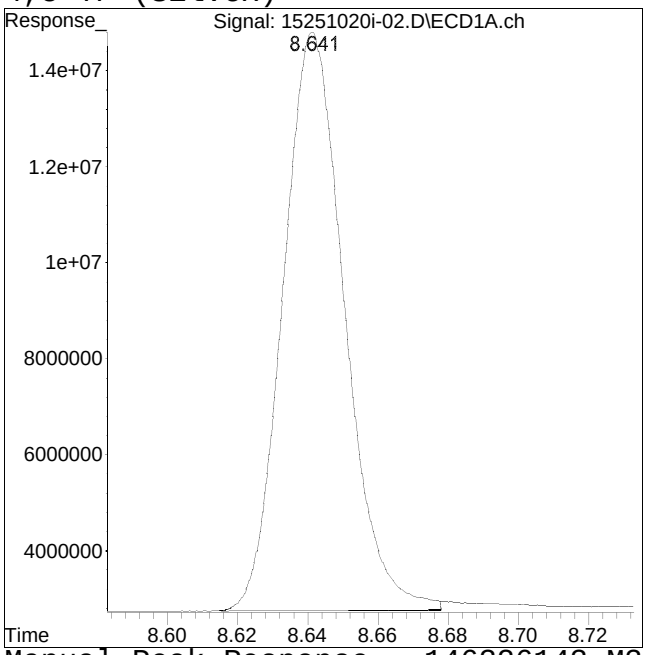
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-02.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:09 Instrument : Pest 15
Sample : il1herb,42e,,pp 12244 L0.0Quant Date : 10/24/2025 2:59 pm

Compound #9: 2,4,5-TP (Silvex)



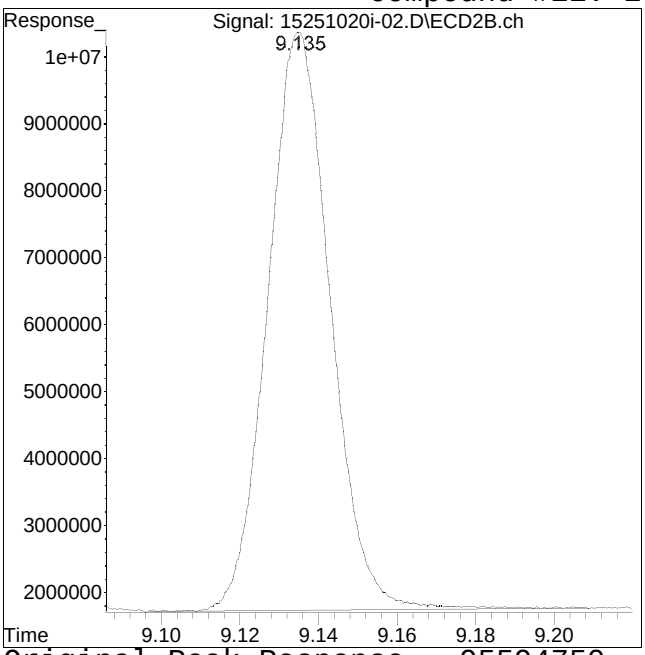


Original Peak Response = 148061462 Manual Peak Response = 146326143 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

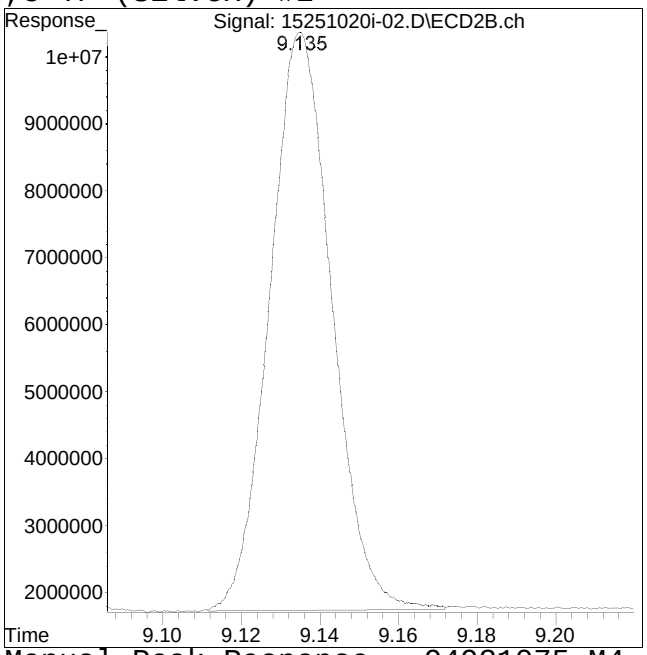
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-02.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:09 Instrument : Pest 15
Sample : il1herb,42e,,pp 12244 L0.0Quant Date : 10/24/2025 2:59 pm

Compound #22: 2,4,5-TP (Silvex) #2



Original Peak Response = 95594750



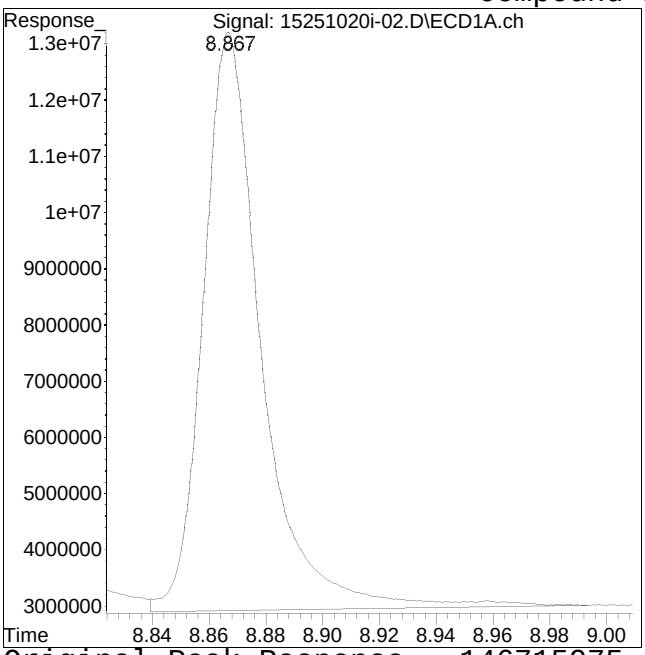
Manual Peak Response = 94931075 M4

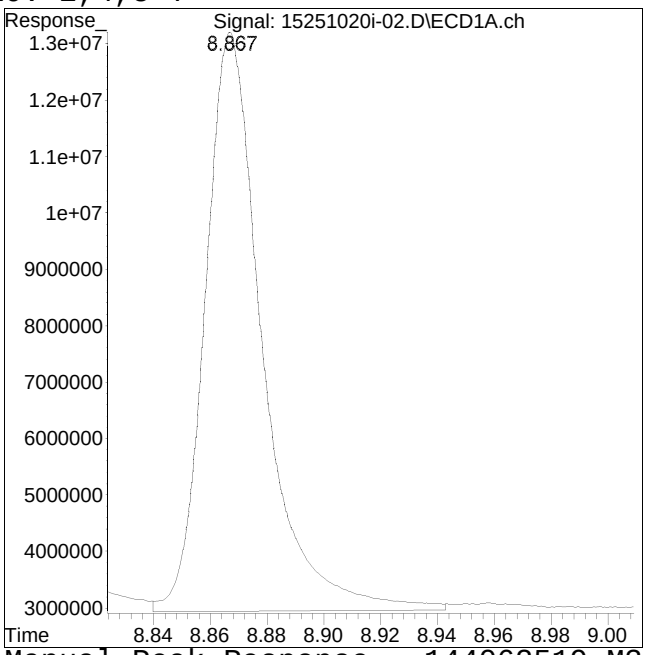
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-02.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:09 Instrument : Pest 15
Sample : il1herb,42e,,pp 12244 L0.0Quant Date : 10/24/2025 2:59 pm

Compound #10: 2,4,5-T





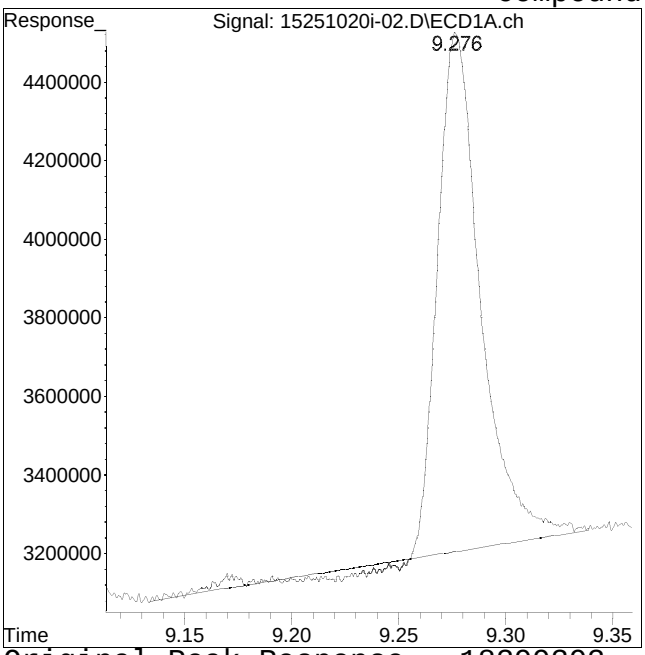
Original Peak Response = 146715975 Manual Peak Response = 144062519 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

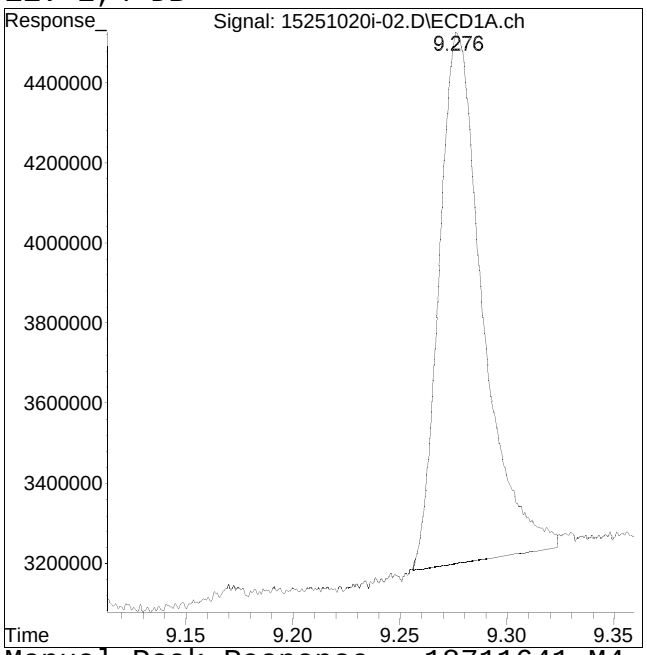
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-02.D
Date Inj'd : 10/20/2025 6:09
Sample : il1herb,42e,,pp 12244 L0.0

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:59 pm

Compound #11: 2,4-DB



Original Peak Response = 18399393



Manual Peak Response = 18711641 M4

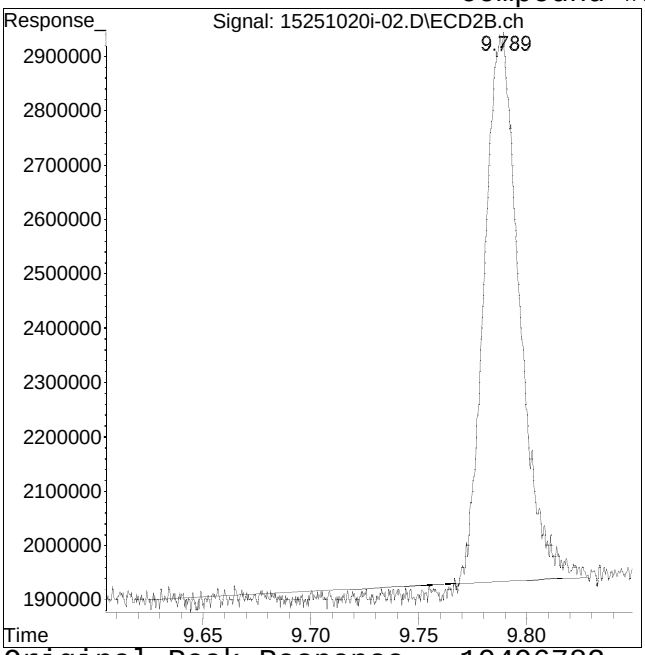
M4 = Poor automated baseline construction.

Manual Integration Report

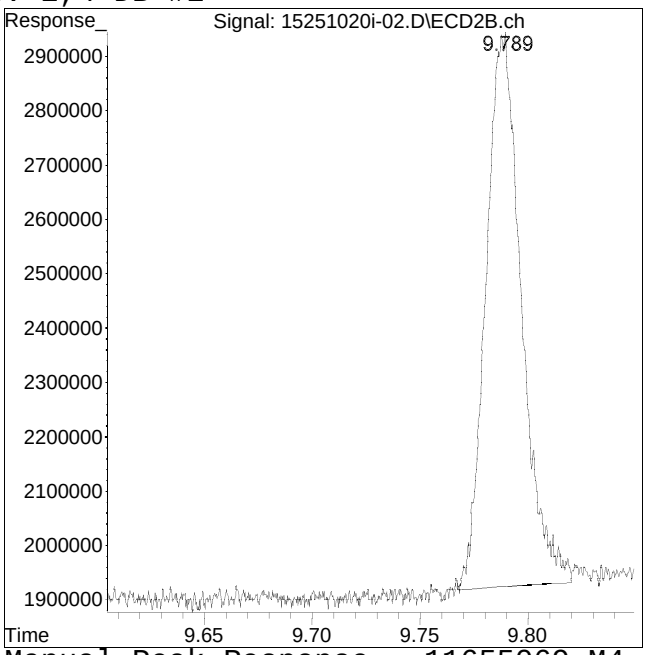
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-02.D
Date Inj'd : 10/20/2025 6:09
Sample : il1herb,42e,,pp 12244 L0.0

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:59 pm

Compound #24: 2,4-DB #2



Original Peak Response = 10496782



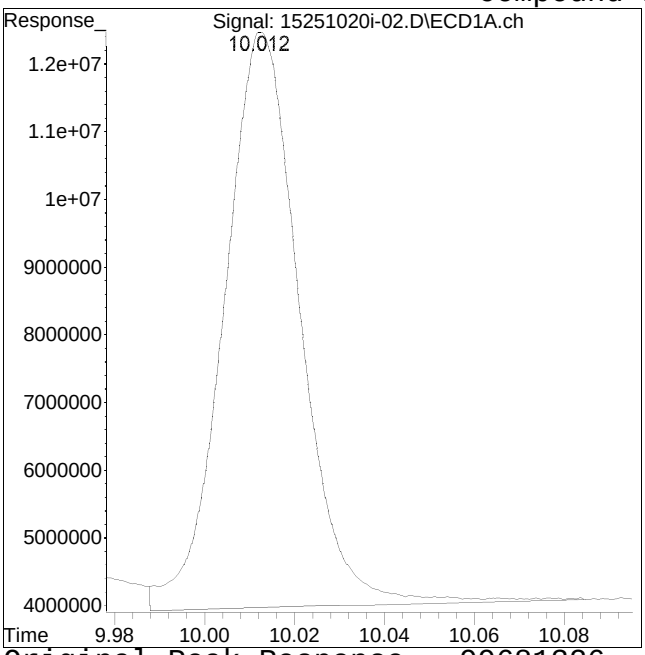
Manual Peak Response = 11655069 M4

M4 = Poor automated baseline construction.

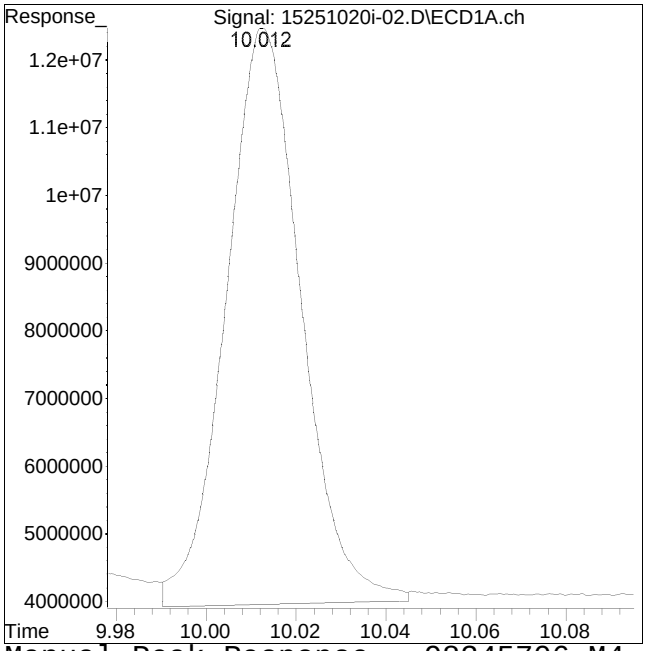
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-02.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:09 Instrument : Pest 15
Sample : il1herb,42e,,pp 12244 L0.0Quant Date : 10/24/2025 2:59 pm

Compound #12: Dinoseb



Original Peak Response = 99681326



Manual Peak Response = 98345706 M4

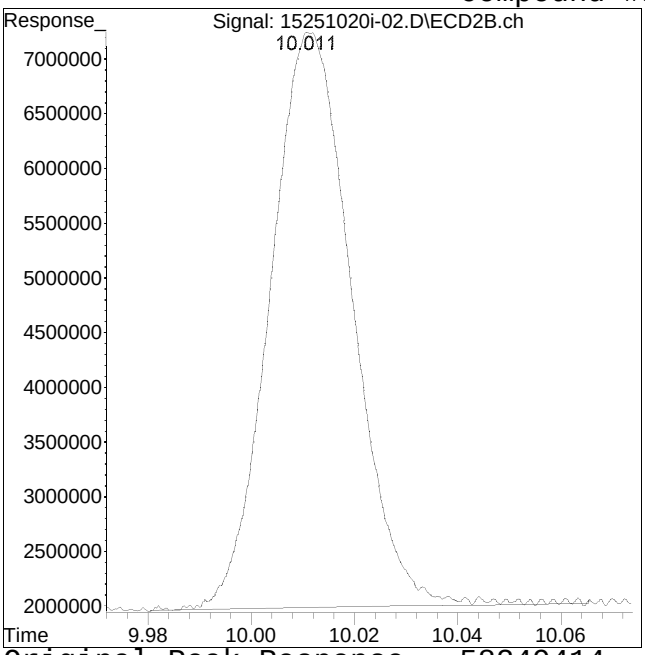
M4 = Poor automated baseline construction.

Manual Integration Report

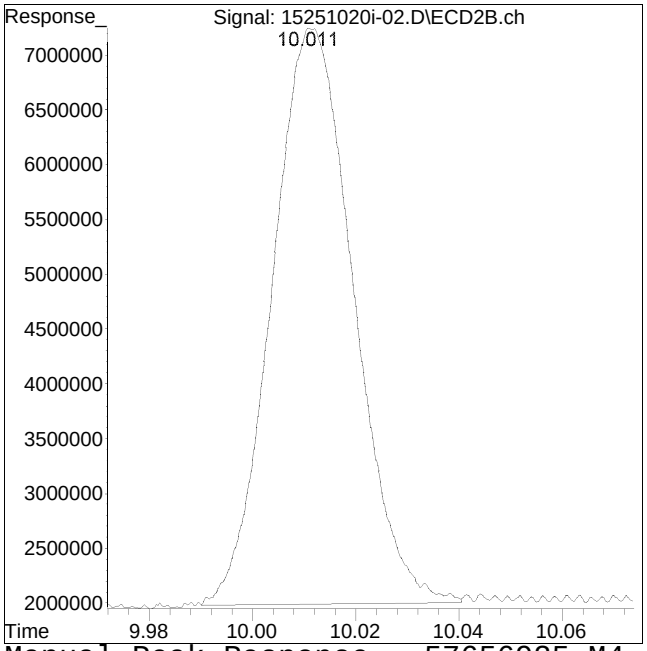
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-02.D
Date Inj'd : 10/20/2025 6:09
Sample : il1herb,42e,,pp 12244 L0.0

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:59 pm

Compound #25: Dinoseb #2



Original Peak Response = 58249414



Manual Peak Response = 57656925 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest15\2025\251020ICAL\
Data File : 15251020i-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 6:28
Operator : Pest15:ejl
Sample : il2herb,42e,,pp 12244 L0.1/10
Misc : WG2133146,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 24 14:56:55 2025
Quant Method : I:\PEST\Pest15\2025\251020ICAL\Herb15_2025_10_20_mgL_ICAL.m
Quant Title : herb
QLast Update : Fri Oct 24 14:56:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.363	8.434	947.9E6	623.4E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.841	7.382	73842071	51562614	0.112M4	0.107M4
		Spiked Amount 0.500	Range 30 - 150		Recovery =		22.40%#	21.40%#
		Target Compounds						
2)	t	Dalapon	2.080	2.183	85760287	69692490	0.107M4	0.100M3
4)	t	Dicamba	7.016	7.559	213.5E6	150.5E6	0.109M3	0.101M4
5)	t	MCPP	7.213	7.667	56534208	13591326	13.588M4	8.574M3 D
6)	t	MCPA	7.358	7.892	84421327	26348269	14.482M3	10.224M4
7)	t	Dichloroprop	7.712	8.207	68112861	44908168	0.112M4	0.106M4
8)	t	2,4-D	7.927	8.484	81534219	55826404	0.108M4	0.104M4
9)	t	2,4,5-TP (Si	8.638	9.134	294.7E6	193.2E6	0.108M3	0.100M4
10)	t	2,4,5-T	8.863	9.427	289.4E6	183.9E6	0.105M4	0.097
11)	t	2,4-DB	9.274	9.788	26034058	17107349	0.074M3	0.075M4
12)	t	Dinoseb	10.010	10.011	200.2E6	120.5E6	0.103M4	0.096M4

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest15\2025\251020ICAL\
Data File : 15251020i-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 6:28
Operator : Pest15:ejl
Sample : il2herb,42e,,pp 12244 L0.1/10
Misc : WG2133146,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 24 14:56:55 2025
Quant Method : I:\PEST\Pest15\2025\251020ICAL\Herb15_2025_10_20_mgL_ICAL.m
Quant Title : herb
QLast Update : Fri Oct 24 14:56:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

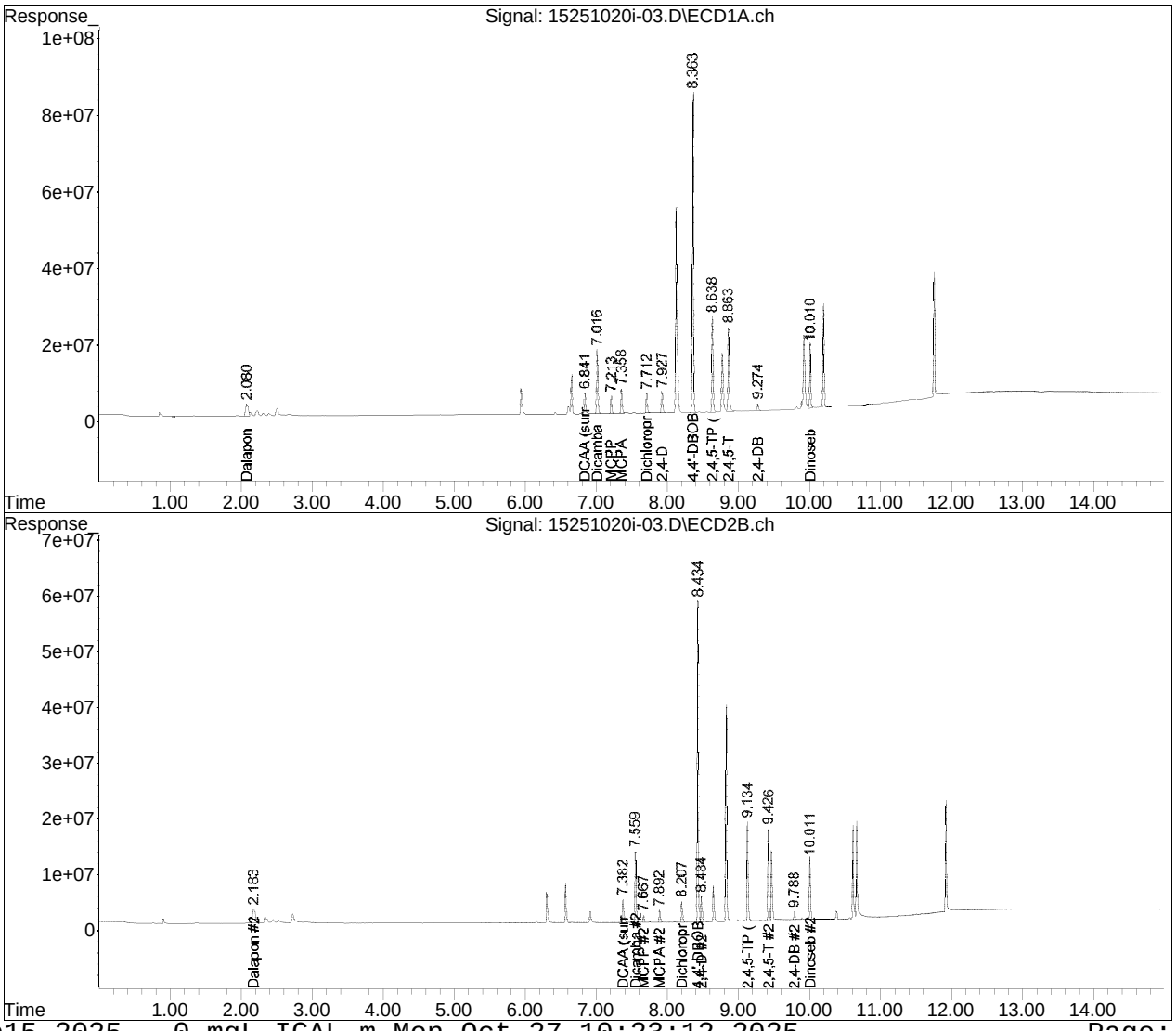
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest15\2025\251020ICAL\
Data File : 15251020i-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 6:28
Operator : Pest15:ejl
Sample : il2herb,42e,,pp 12244 L0.1/10
Misc : WG2133146,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 24 14:56:55 2025
Quant Method : I:\PEST\Pest15\2025\251020ICAL\Herb15_2025_10_20_mgL_ICAL.m
Quant Title : herb
QLast Update : Fri Oct 24 14:56:39 2025
Response via : Initial Calibration
Integrator: ChemStation

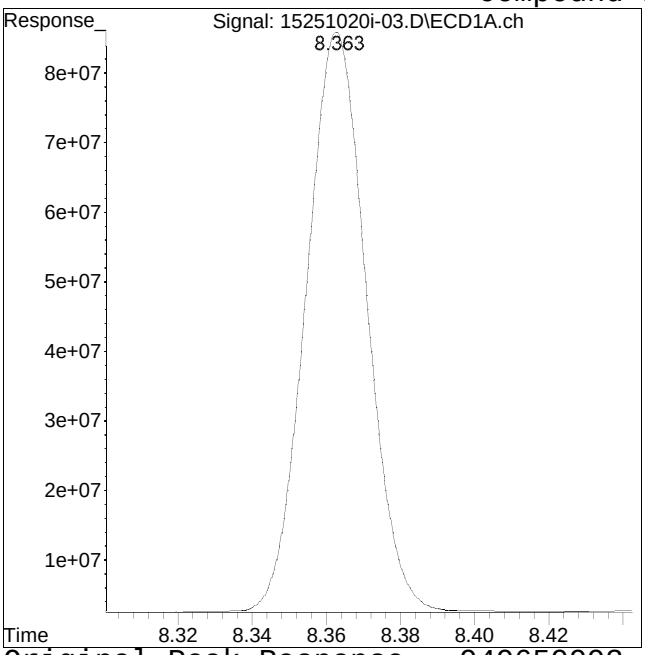
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

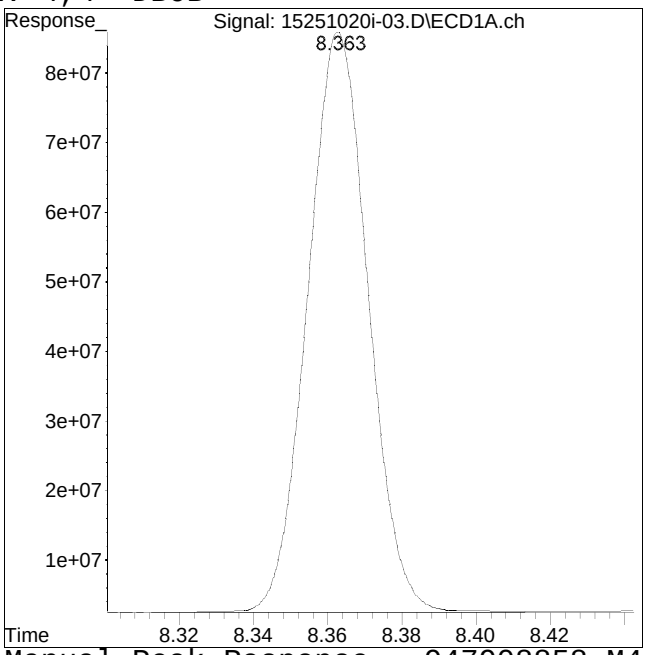


Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-03.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:28 Instrument : Pest 15
Sample : il2herb,42e,,pp 12244 L0.1Quant Date : 10/24/2025 2:56 pm

Compound #1: 4,4'-DBOB





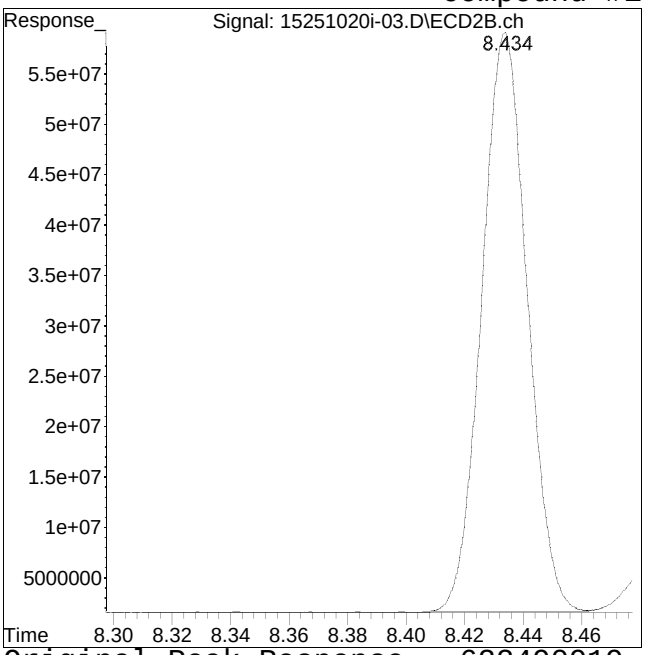
Original Peak Response = 949659993 Manual Peak Response = 947908858 M4
M4 = Poor automated baseline construction.

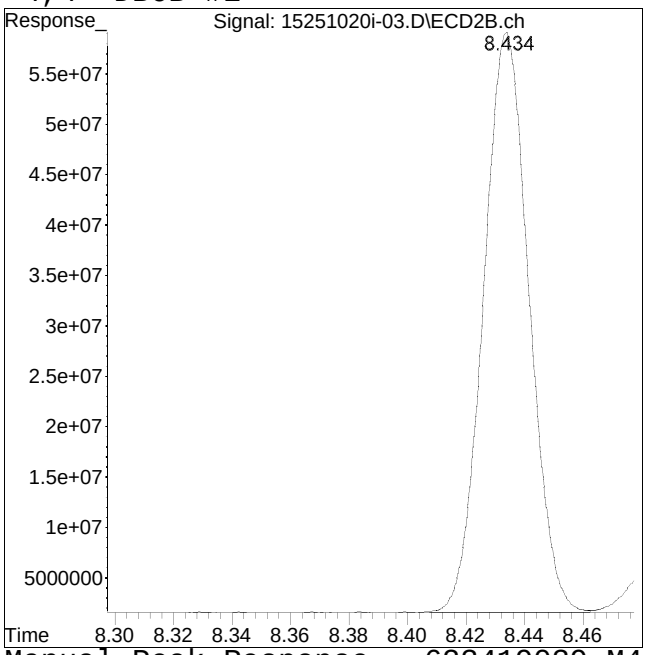
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-03.D
Date Inj'd : 10/20/2025 6:28
Sample : il2herb,42e,,pp 12244 L0.1

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:56 pm

Compound #14: 4,4'-DBOB #2





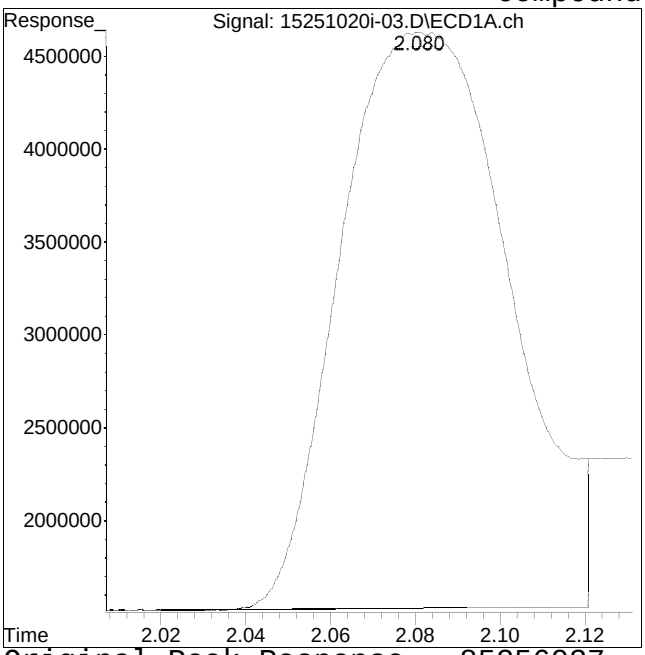
Original Peak Response = 622490919 Manual Peak Response = 623419039 M4
M4 = Poor automated baseline construction.

Manual Integration Report

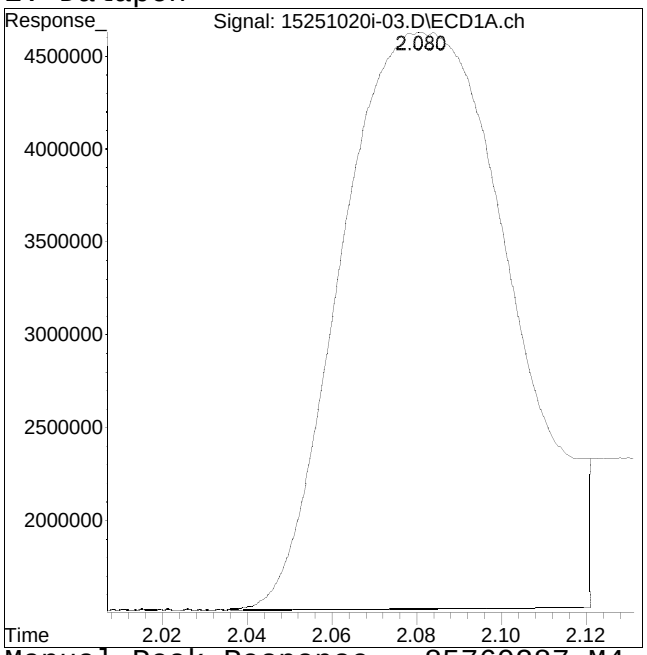
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-03.D
Date Inj'd : 10/20/2025 6:28
Sample : il2herb,42e,,pp 12244 L0.1

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:56 pm

Compound #2: Dalapon



Original Peak Response = 85256037



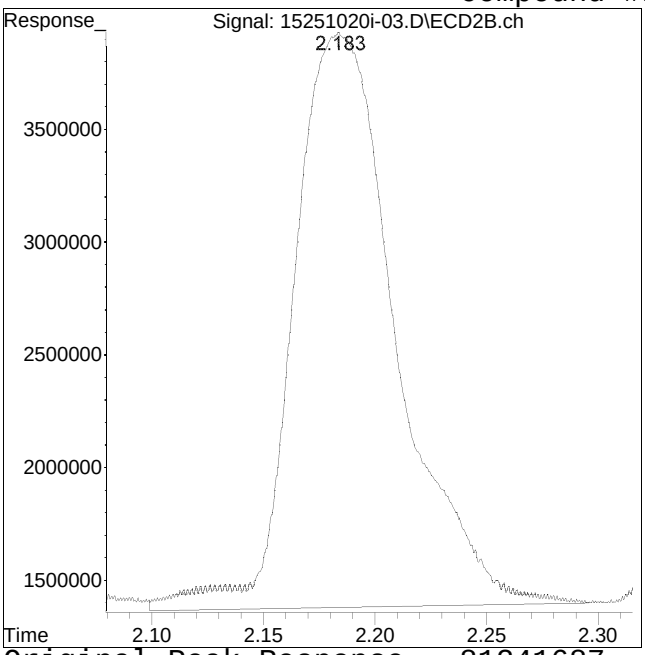
Manual Peak Response = 85760287 M4

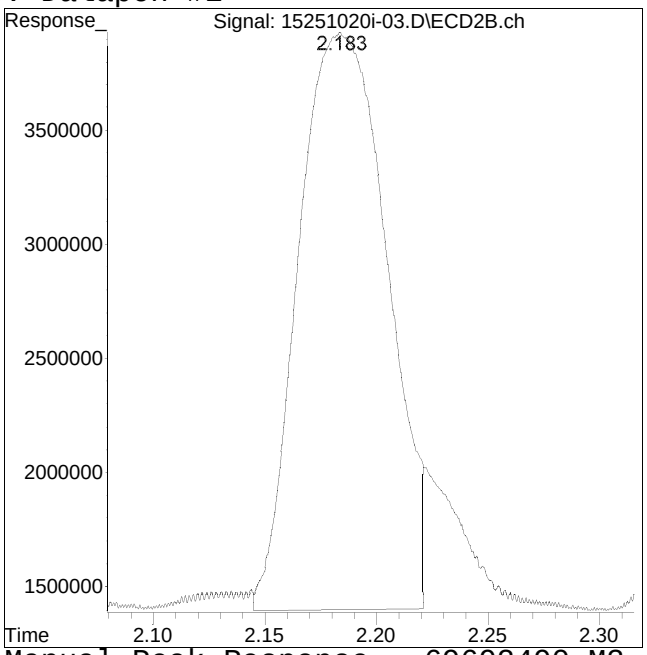
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-03.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:28 Instrument : Pest 15
Sample : il2herb,42e,,pp 12244 L0.1Quant Date : 10/24/2025 2:56 pm

Compound #15: Dalapon #2



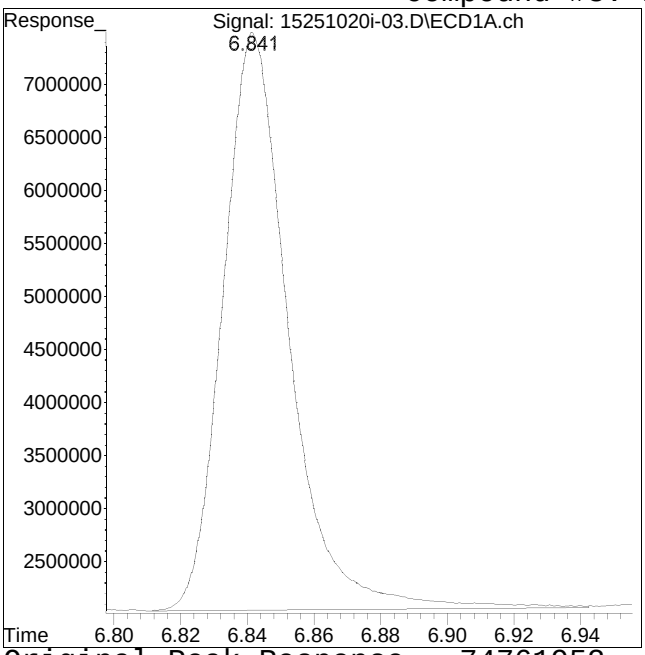


Original Peak Response = 81241687 Manual Peak Response = 69692490 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

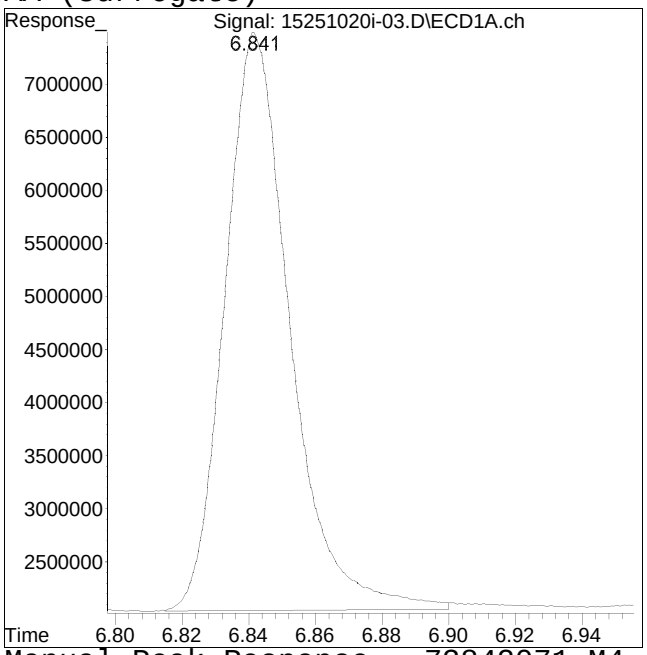
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-03.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:28 Instrument : Pest 15
Sample : il2herb,42e,,pp 12244 L0.1Quant Date : 10/24/2025 2:56 pm

Compound #3: DCAA (surrogate)



Original Peak Response = 74761952



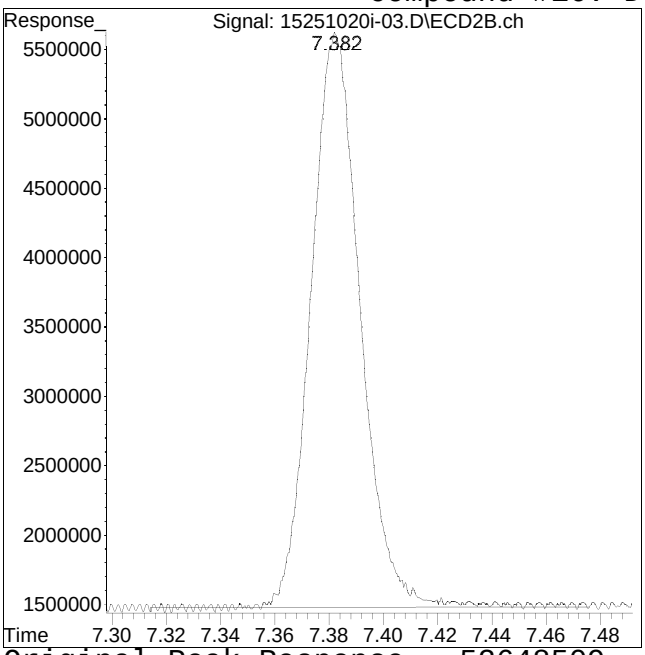
Manual Peak Response = 73842071 M4

M4 = Poor automated baseline construction.

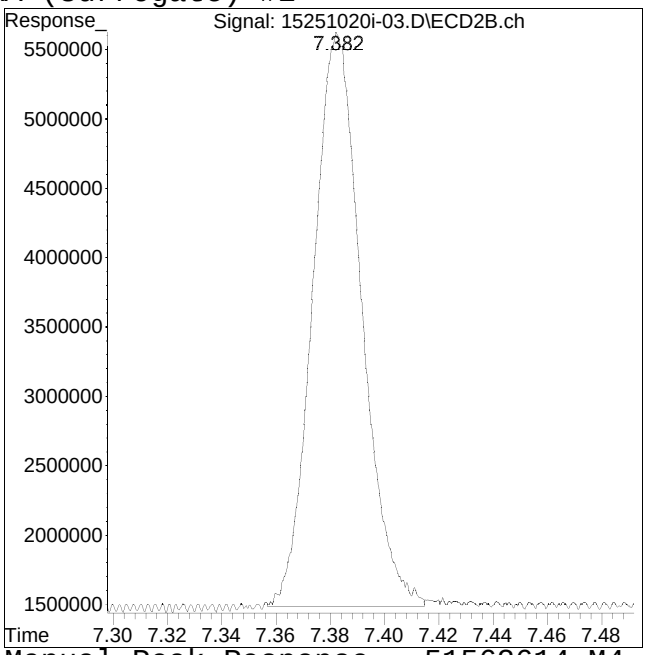
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-03.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:28 Instrument : Pest 15
Sample : il2herb,42e,,pp 12244 L0.1Quant Date : 10/24/2025 2:56 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 52648509



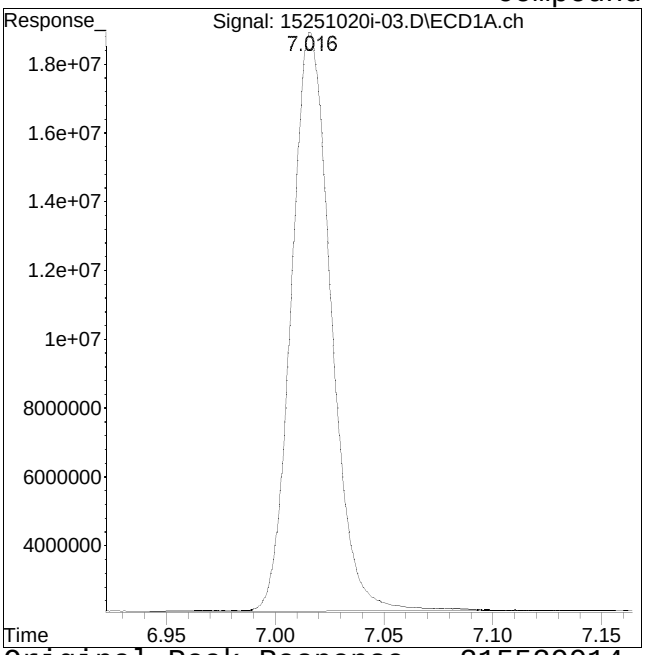
Manual Peak Response = 51562614 M4

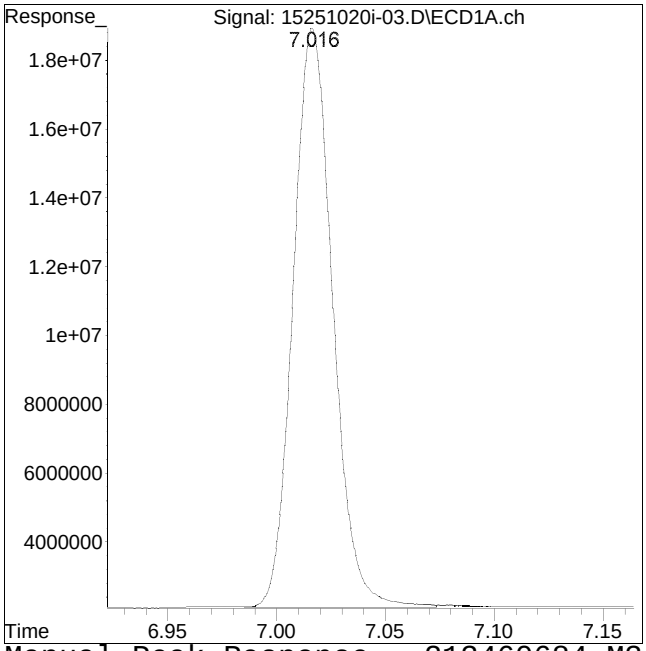
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-03.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:28 Instrument : Pest 15
Sample : il2herb,42e,,pp 12244 L0.1Quant Date : 10/24/2025 2:56 pm

Compound #4: Dicamba



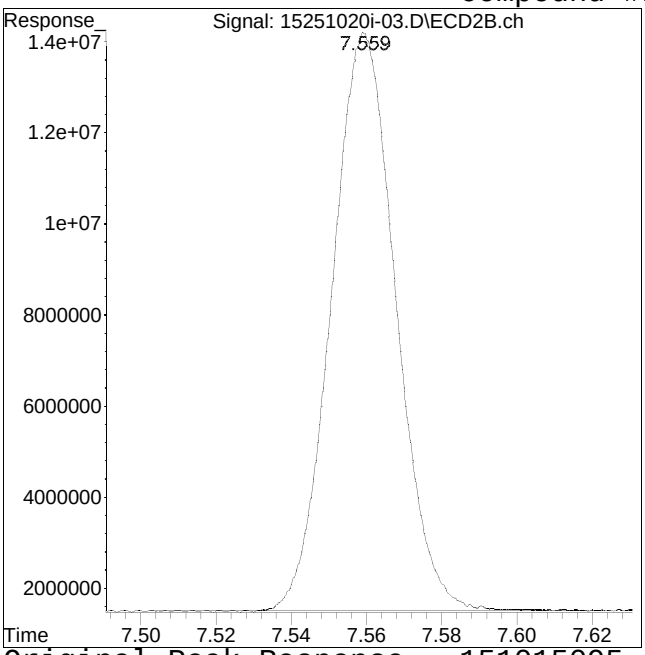


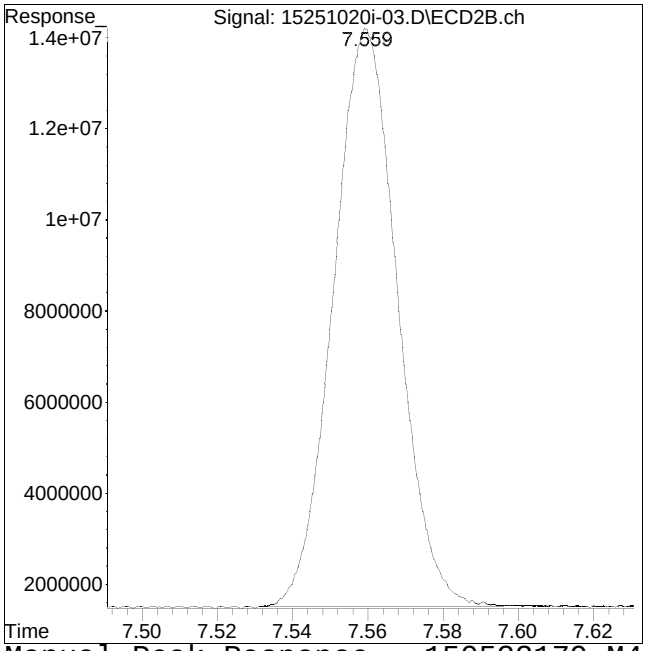
Original Peak Response = 215529914 Manual Peak Response = 213460684 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-03.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:28 Instrument : Pest 15
Sample : il2herb,42e,,pp 12244 L0.1Quant Date : 10/24/2025 2:56 pm

Compound #17: Dicamba #2



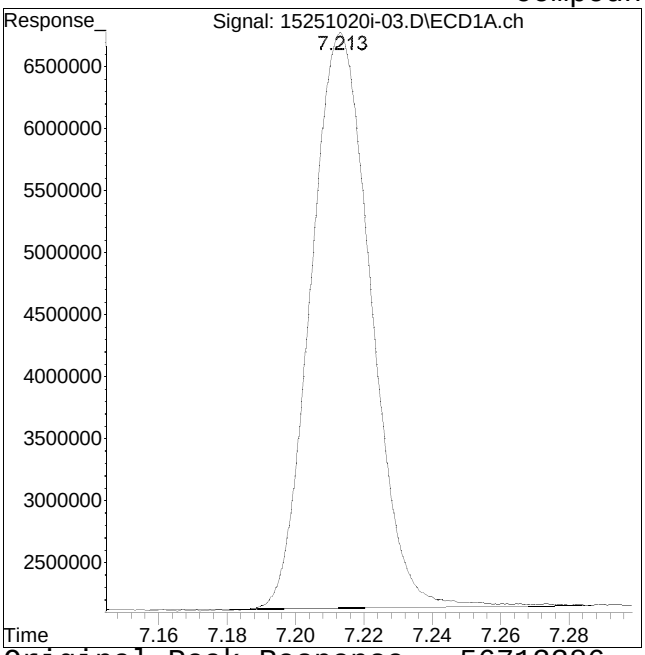


Original Peak Response = 151015095 Manual Peak Response = 150533179 M4
M4 = Poor automated baseline construction.

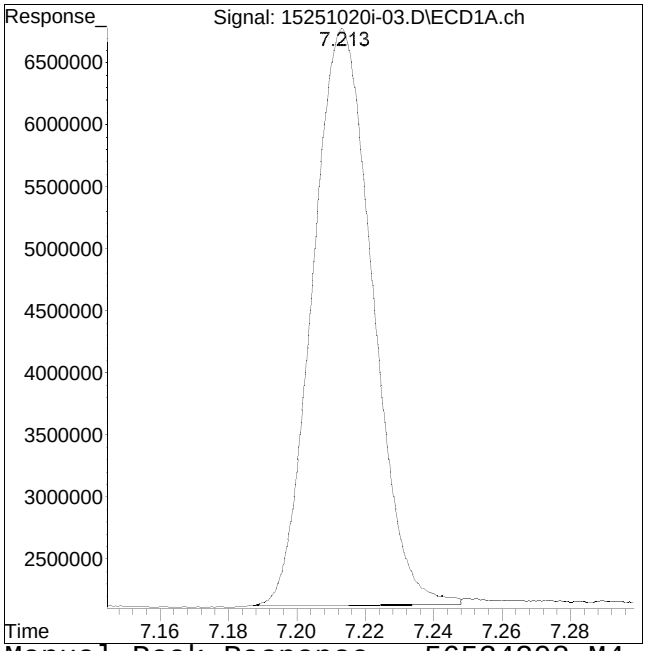
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-03.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:28 Instrument : Pest 15
Sample : il2herb,42e,,pp 12244 L0.1Quant Date : 10/24/2025 2:56 pm

Compound #5: MCPP



Original Peak Response = 56713386



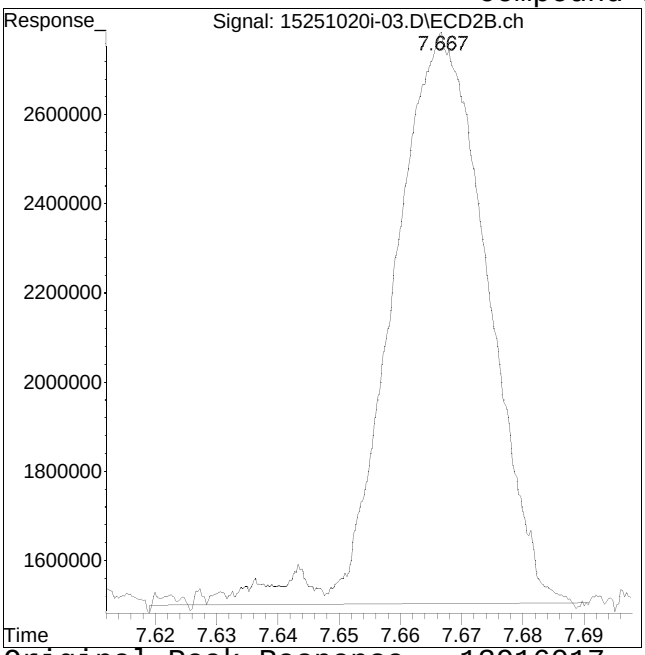
Manual Peak Response = 56534208 M4

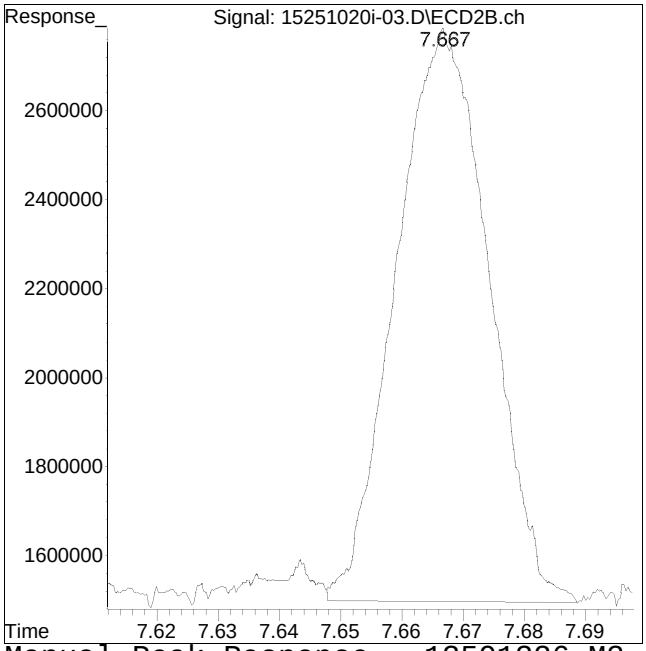
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-03.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:28 Instrument : Pest 15
Sample : il2herb,42e,,pp 12244 L0.1Quant Date : 10/24/2025 2:56 pm

Compound #18: MCPP #2



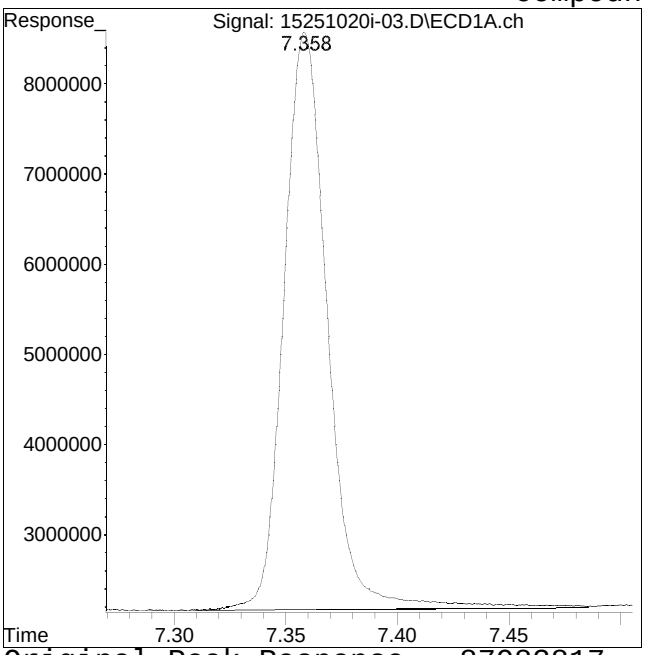


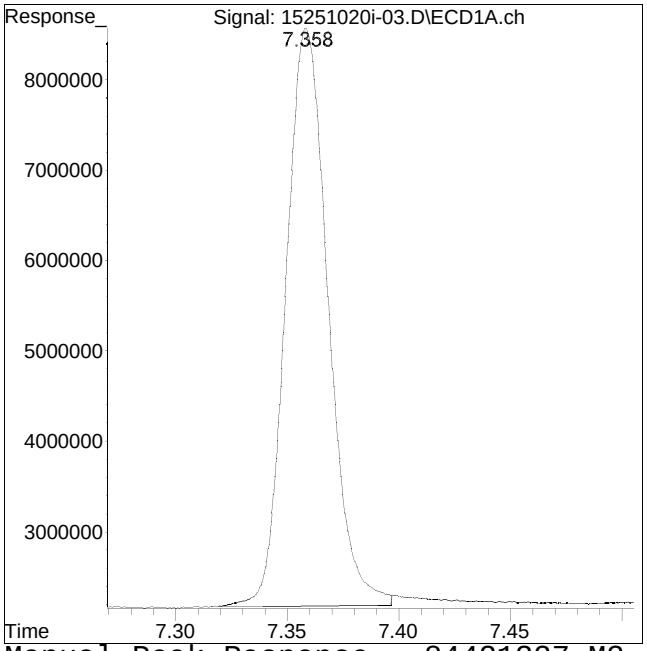
Original Peak Response = 13916017 Manual Peak Response = 13591326 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-03.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:28 Instrument : Pest 15
Sample : il2herb,42e,,pp 12244 L0.1Quant Date : 10/24/2025 2:56 pm

Compound #6: MCPA





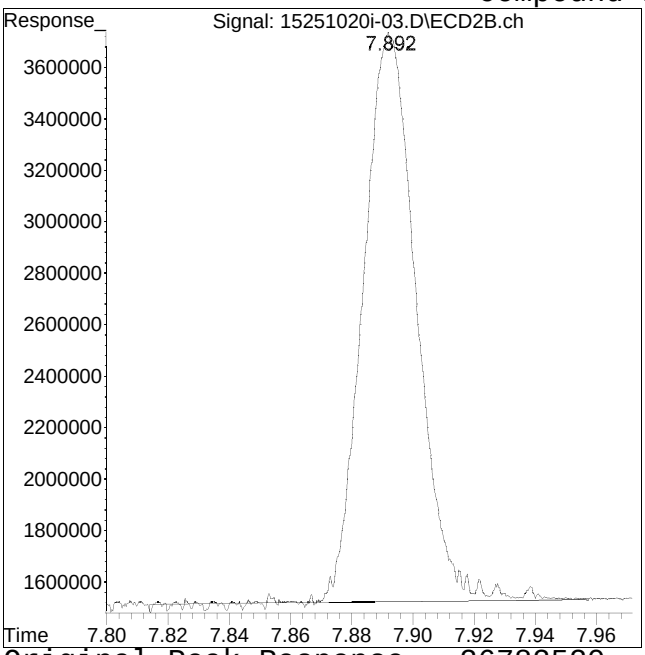
Original Peak Response = 87983817 Manual Peak Response = 84421327 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

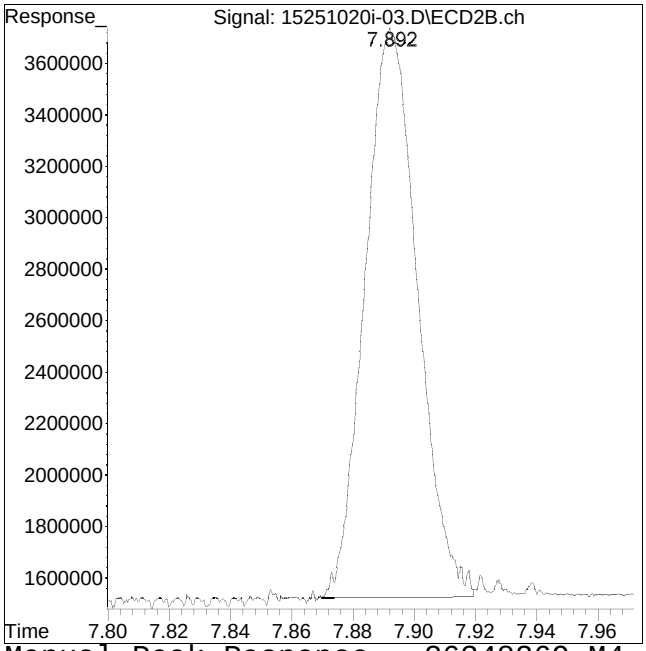
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-03.D
Date Inj'd : 10/20/2025 6:28
Sample : il2herb,42e,,pp 12244 L0.1

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:56 pm

Compound #19: MCPA #2



Original Peak Response = 26782520



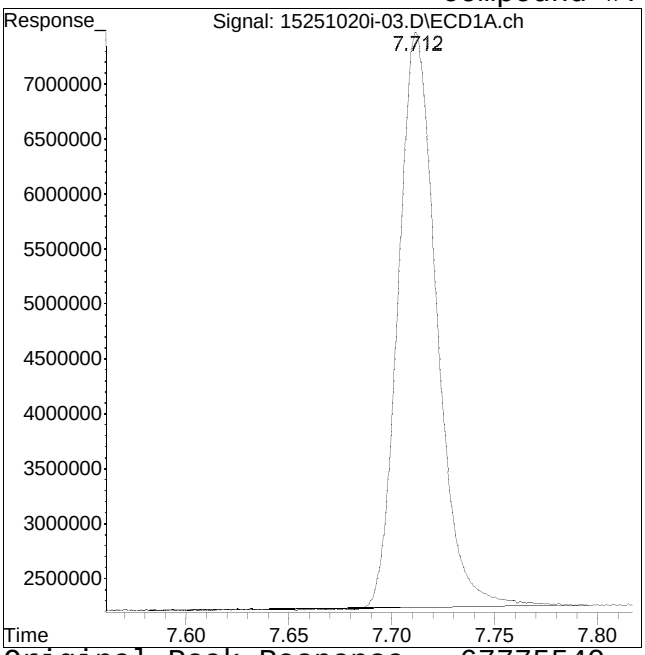
Manual Peak Response = 26348269 M4

M4 = Poor automated baseline construction.

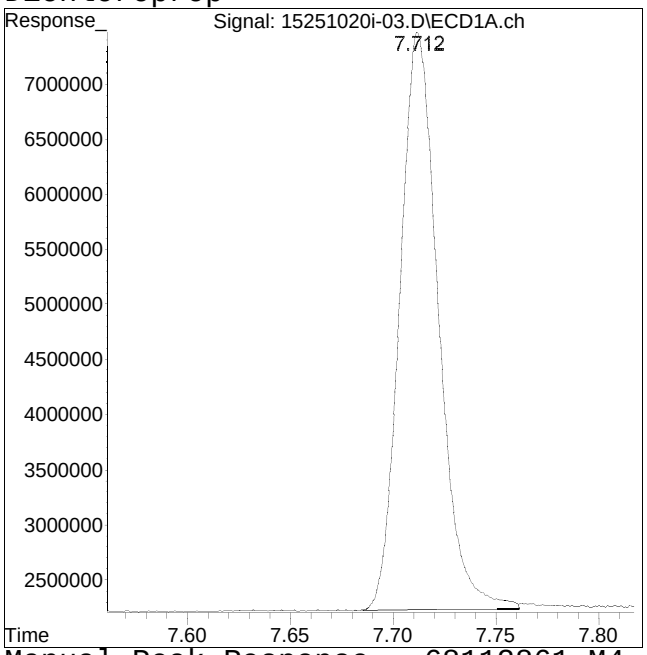
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-03.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:28 Instrument : Pest 15
Sample : il2herb,42e,,pp 12244 L0.1Quant Date : 10/24/2025 2:56 pm

Compound #7: Dichloroprop



Original Peak Response = 67775540



Manual Peak Response = 68112861 M4

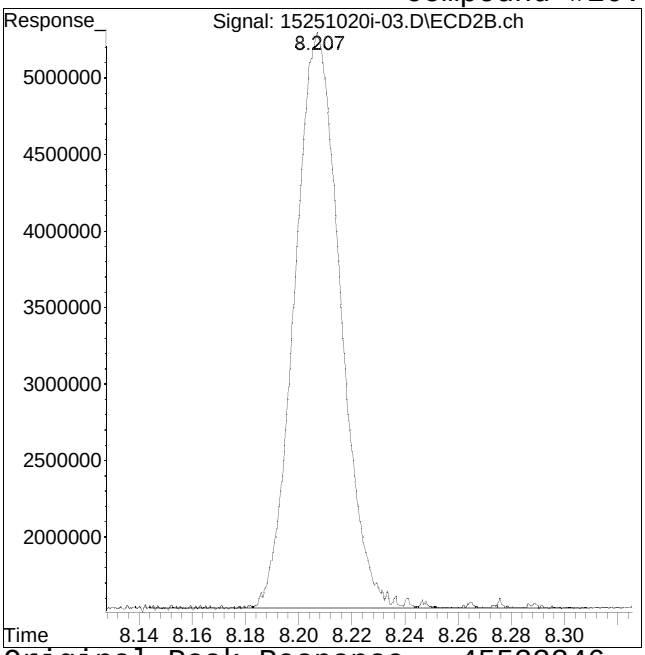
M4 = Poor automated baseline construction.

Manual Integration Report

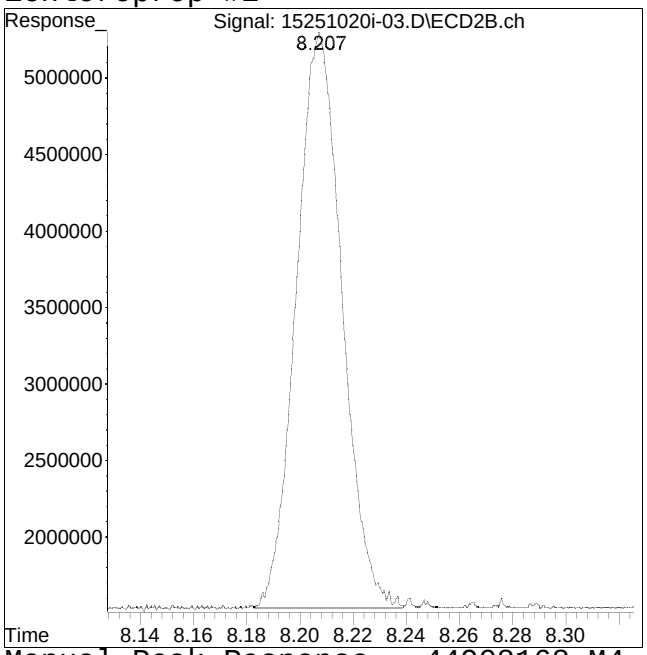
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-03.D
Date Inj'd : 10/20/2025 6:28
Sample : il2herb,42e,,pp 12244 L0.1

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:56 pm

Compound #20: Dichloroprop #2



Original Peak Response = 45533246



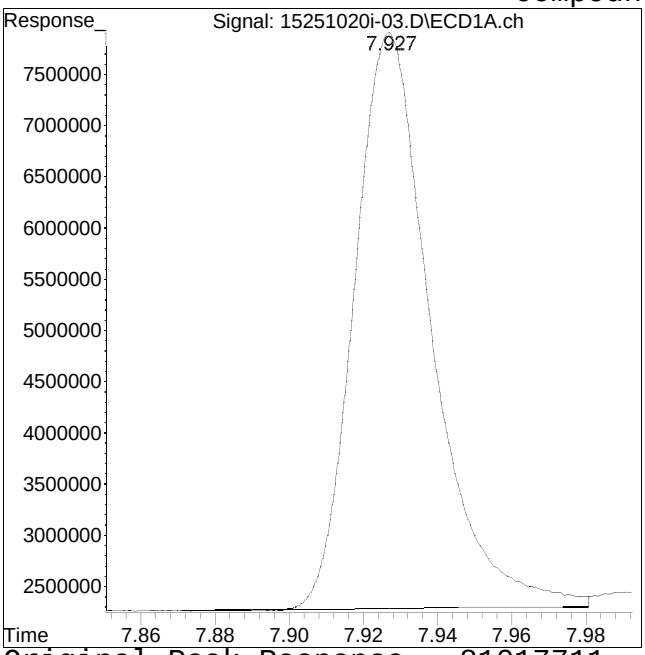
Manual Peak Response = 44908168 M4

M4 = Poor automated baseline construction.

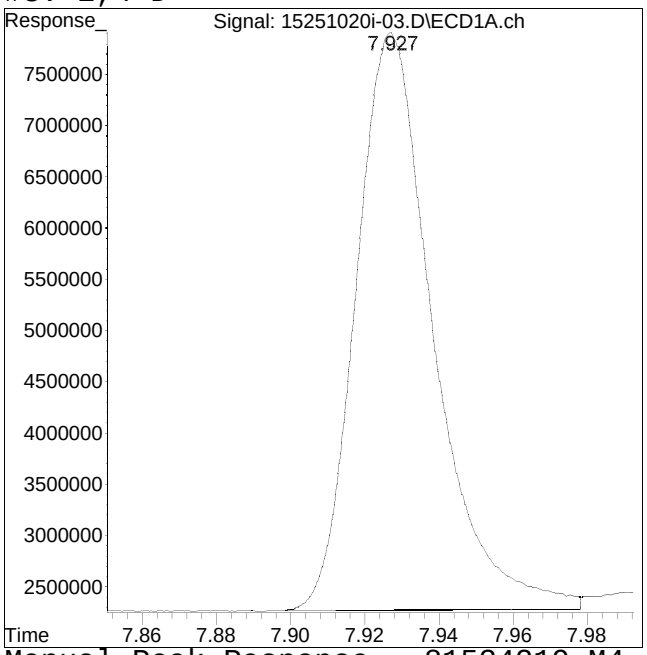
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-03.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:28 Instrument : Pest 15
Sample : il2herb,42e,,pp 12244 L0.1Quant Date : 10/24/2025 2:56 pm

Compound #8: 2,4-D



Original Peak Response = 81017711



Manual Peak Response = 81534219 M4

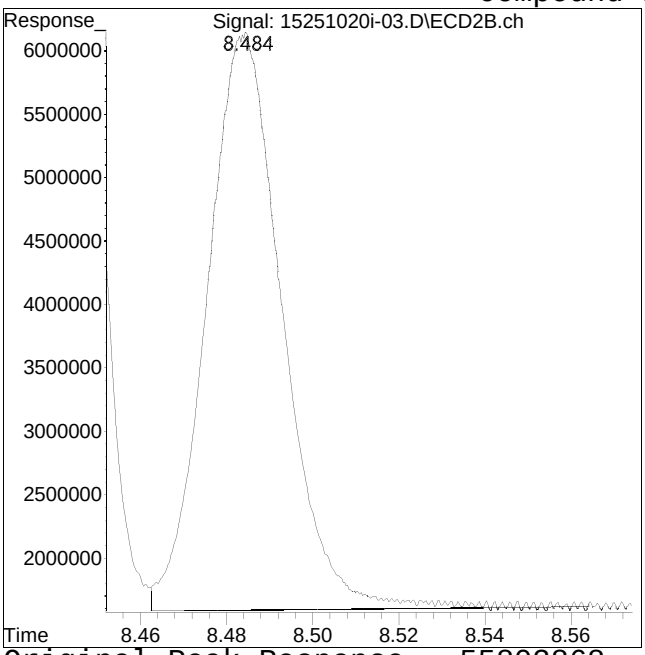
M4 = Poor automated baseline construction.

Manual Integration Report

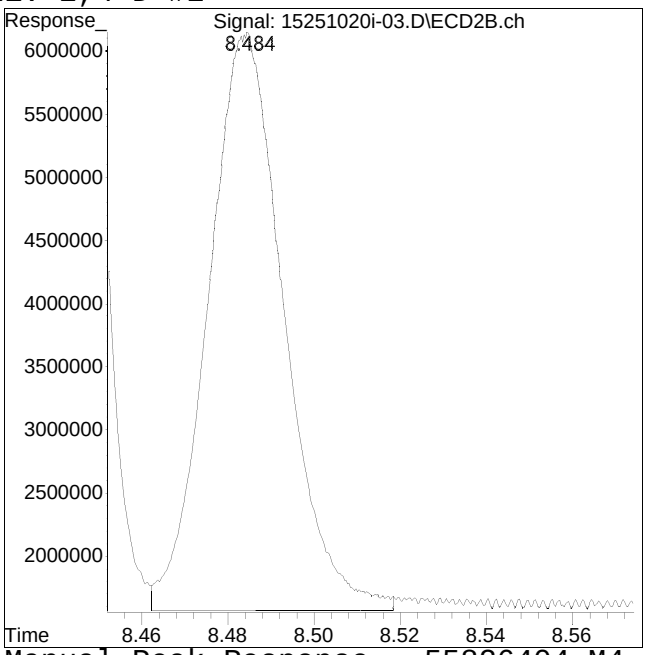
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-03.D
Date Inj'd : 10/20/2025 6:28
Sample : il2herb,42e,,pp 12244 L0.1

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:56 pm

Compound #21: 2,4-D #2



Original Peak Response = 55803868



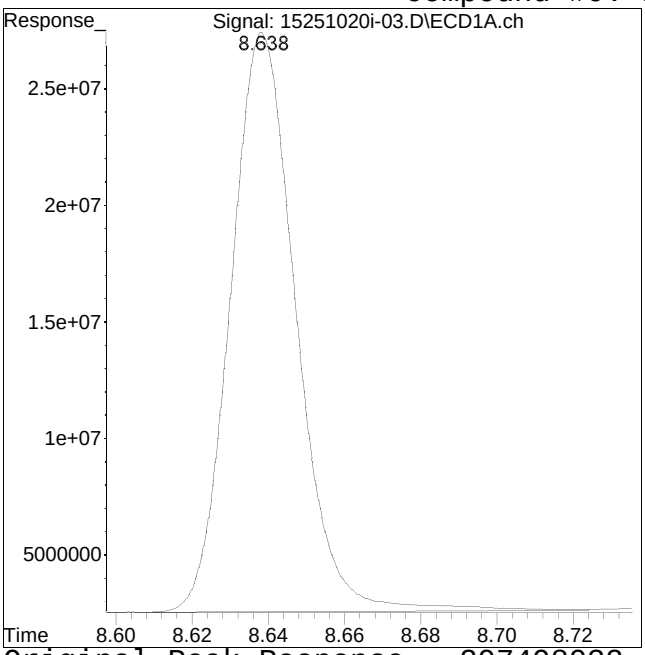
Manual Peak Response = 55826404 M4

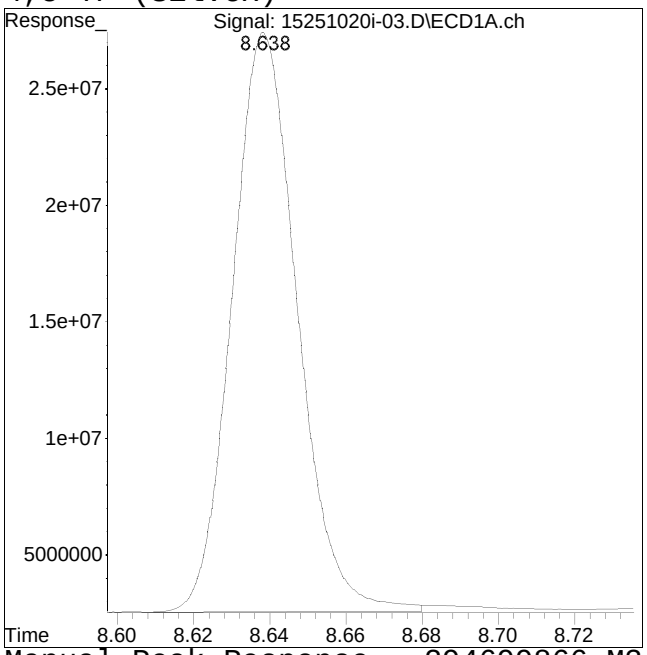
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-03.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:28 Instrument : Pest 15
Sample : il2herb,42e,,pp 12244 L0.1Quant Date : 10/24/2025 2:56 pm

Compound #9: 2,4,5-TP (Silvex)





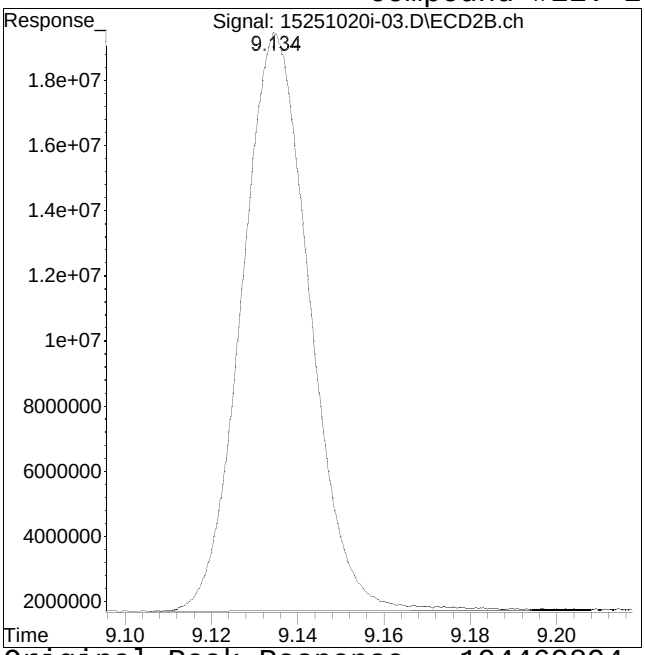
Original Peak Response = 297498932 Manual Peak Response = 294699866 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

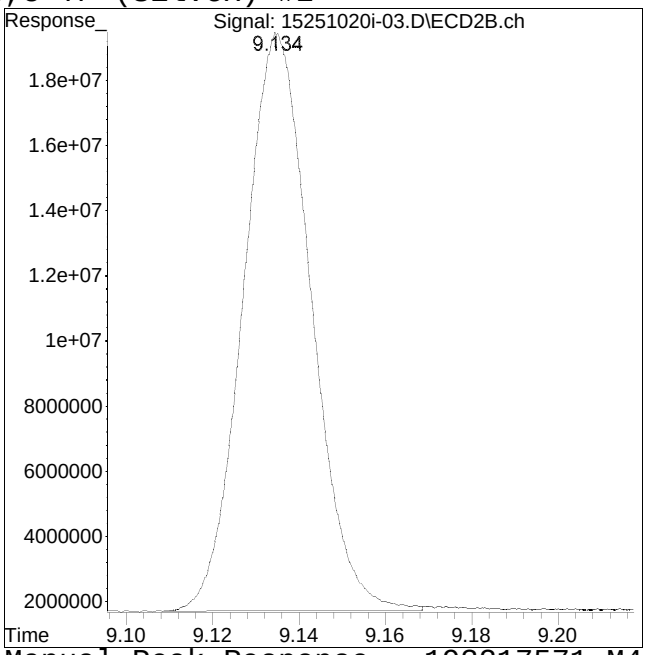
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-03.D
Date Inj'd : 10/20/2025 6:28
Sample : il2herb,42e,,pp 12244 L0.1

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:56 pm

Compound #22: 2,4,5-TP (Silvex) #2



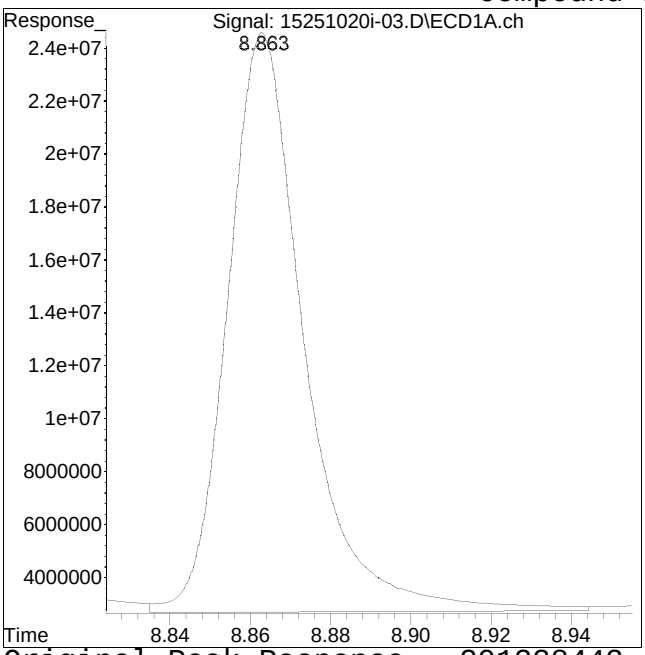


Original Peak Response = 194469894 Manual Peak Response = 193217571 M4
M4 = Poor automated baseline construction.

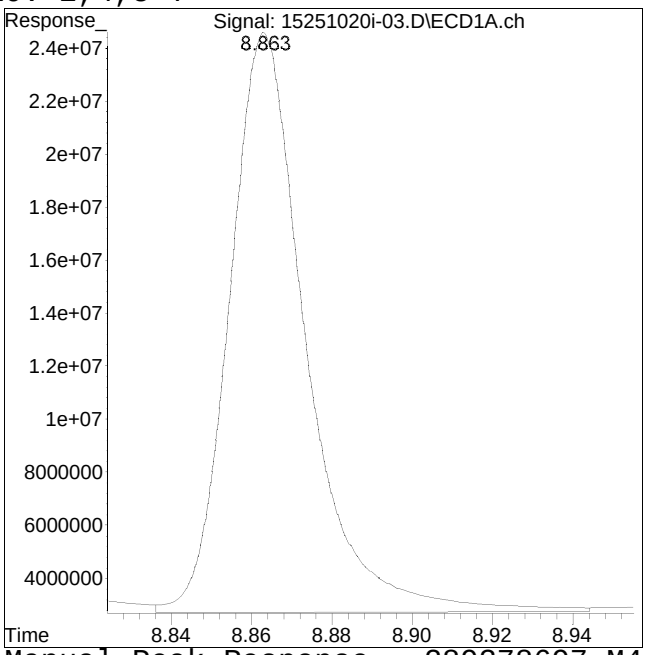
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-03.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:28 Instrument : Pest 15
Sample : il2herb,42e,,pp 12244 L0.1Quant Date : 10/24/2025 2:56 pm

Compound #10: 2,4,5-T



Original Peak Response = 291338442



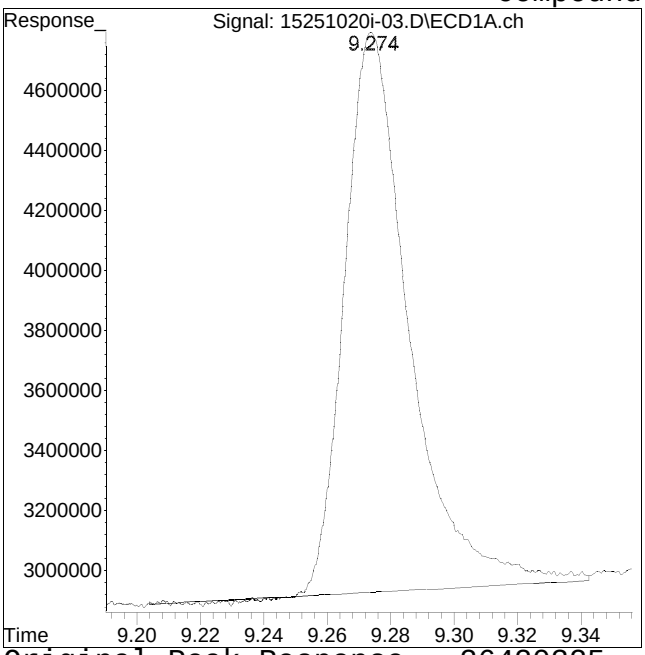
Manual Peak Response = 289378697 M4

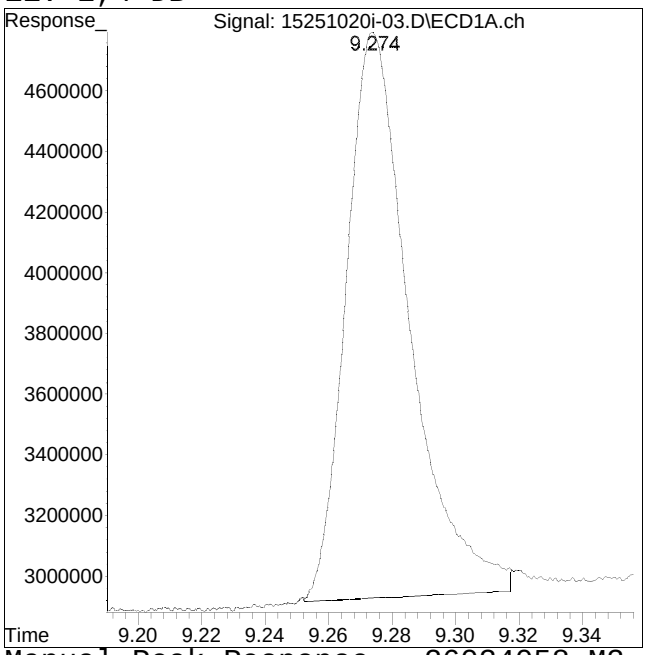
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-03.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:28 Instrument : Pest 15
Sample : il2herb,42e,,pp 12244 L0.1Quant Date : 10/24/2025 2:56 pm

Compound #11: 2,4-DB





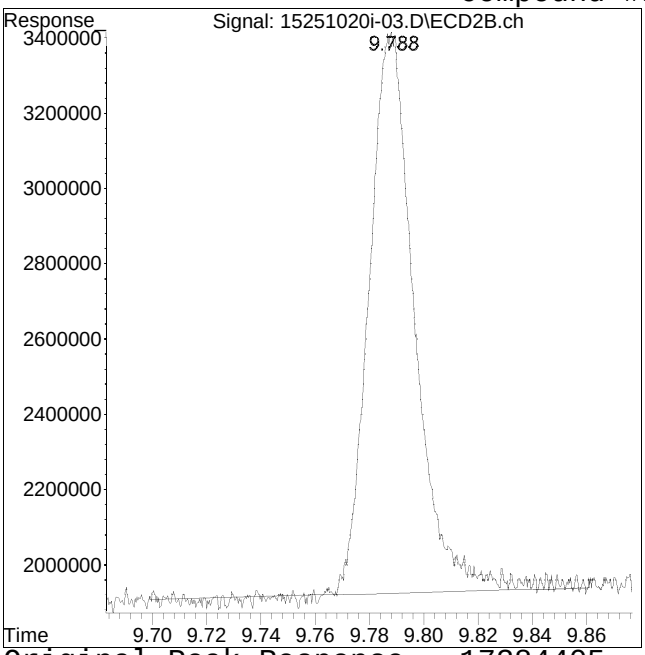
Original Peak Response = 26420325 Manual Peak Response = 26034058 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

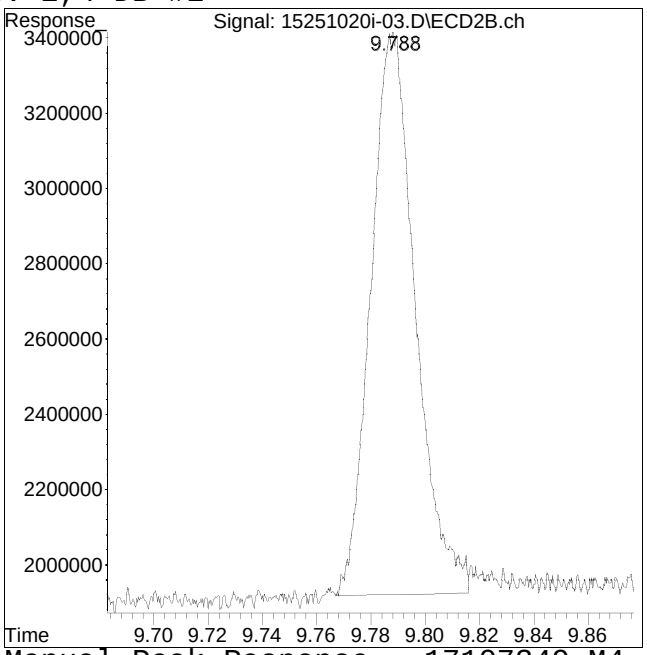
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-03.D
Date Inj'd : 10/20/2025 6:28
Sample : il2herb,42e,,pp 12244 L0.1

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:56 pm

Compound #24: 2,4-DB #2



Original Peak Response = 17384405



Manual Peak Response = 17107349 M4

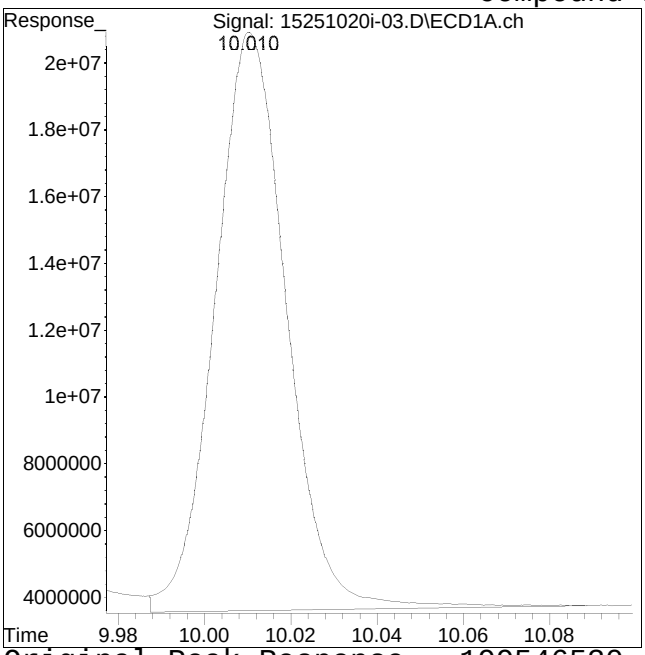
M4 = Poor automated baseline construction.

Manual Integration Report

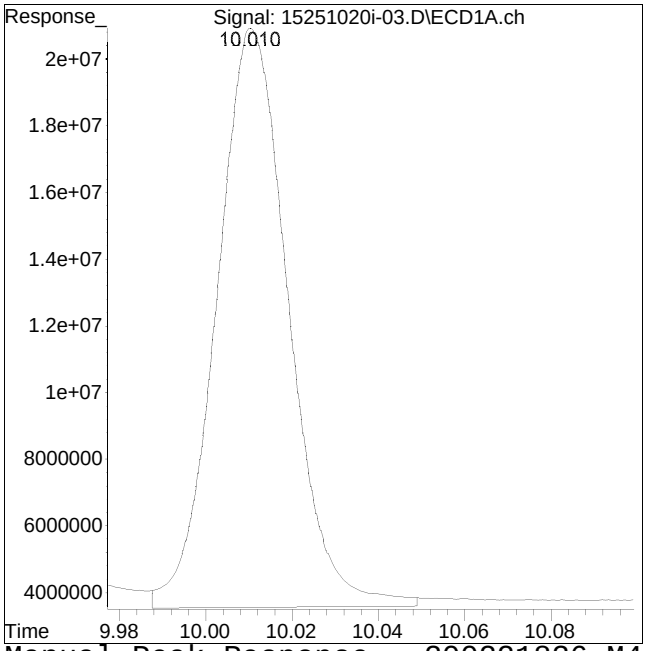
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-03.D
Date Inj'd : 10/20/2025 6:28
Sample : il2herb,42e,,pp 12244 L0.1

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:56 pm

Compound #12: Dinoseb



Original Peak Response = 199546530



Manual Peak Response = 200221836 M4

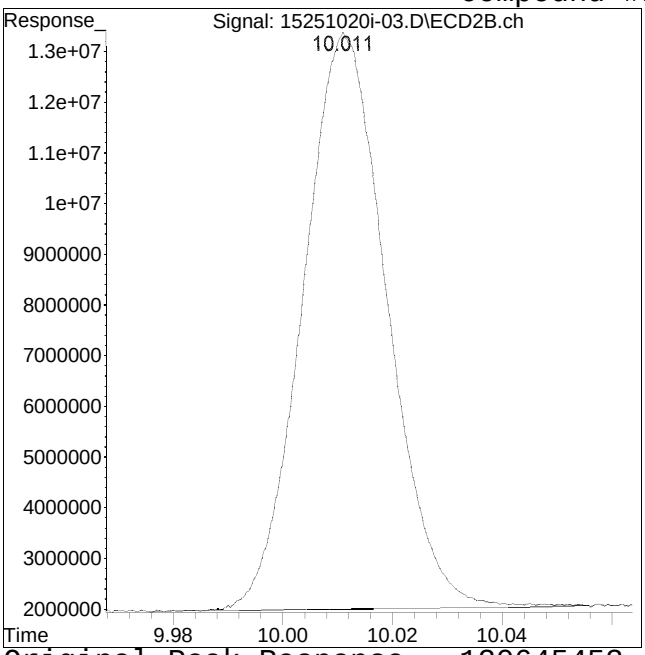
M4 = Poor automated baseline construction.

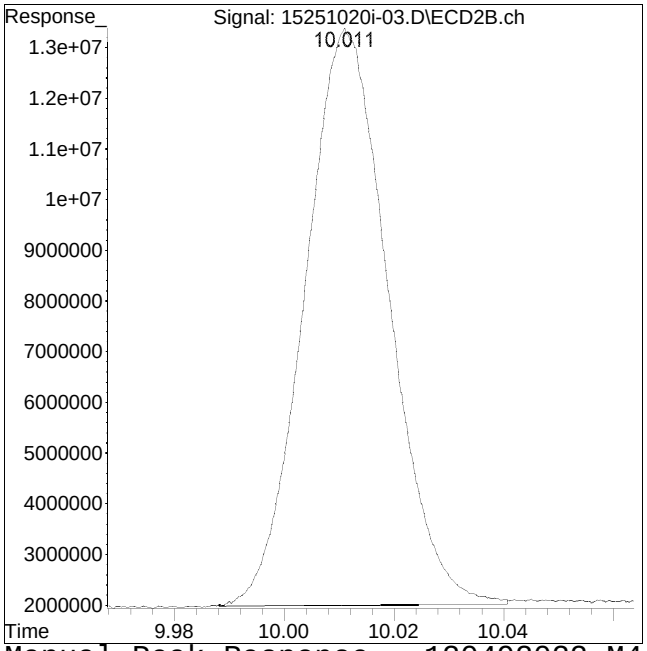
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-03.D
Date Inj'd : 10/20/2025 6:28
Sample : il2herb,42e,,pp 12244 L0.1

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:56 pm

Compound #25: Dinoseb #2





Original Peak Response = 120645453 Manual Peak Response = 120492022 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest15\2025\251020ICAL\
Data File : 15251020i-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 6:47
Operator : Pest15:ejl
Sample : il3herb,42e,,pp 12244 L0.2/20
Misc : WG2133146,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 24 14:44:22 2025
Quant Method : I:\PEST\Pest15\2025\251020ICAL\Herb15_2025_10_20_mgL_ICAL.m
Quant Title : herb
QLast Update : Fri Oct 24 14:44:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.363	8.435	922.3E6	602.3E6	0.250M4	0.250
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.841	7.382	138.8E6	97301660	NoCal	NoCal M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	0.00%#	0.00%#
		Target Compounds						
2)	t	Dalapon	2.074	2.177	149.7E6	124.9E6	NoCal	NoCal M3
4)	t	Dicamba	7.017	7.560	402.0E6	286.6E6	NoCal M3	NoCal M4
5)	t	MCPP	7.214	7.667	100.3E6	28130565	NoCal M4	NoCal M4
6)	t	MCPA	7.358	7.892	143.8E6	49653094	NoCal M4	NoCal M4
7)	t	Dichloroprop	7.711	8.208	127.3E6	84136851	NoCal M4	NoCal M4
8)	t	2,4-D	7.924	8.484	154.1E6	105.3E6	NoCal M4	NoCal M4
9)	t	2,4,5-TP (Si	8.637	9.135	560.8E6	369.5E6	NoCal M3	NoCal M4
10)	t	2,4,5-T	8.860	9.427	557.0E6	351.6E6	NoCal M4	NoCal
11)	t	2,4-DB	9.271	9.786	49284346	32539361	NoCal M4	NoCal M4
12)	t	Dinoseb	10.010	10.012	394.0E6	234.5E6	NoCal M4	NoCal M4

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest15\2025\251020ICAL\
Data File : 15251020i-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 6:47
Operator : Pest15:ejl
Sample : il3herb,42e,,pp 12244 L0.2/20
Misc : WG2133146,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 24 14:44:22 2025
Quant Method : I:\PEST\Pest15\2025\251020ICAL\Herb15_2025_10_20_mgL_ICAL.m
Quant Title : herb
QLast Update : Fri Oct 24 14:44:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

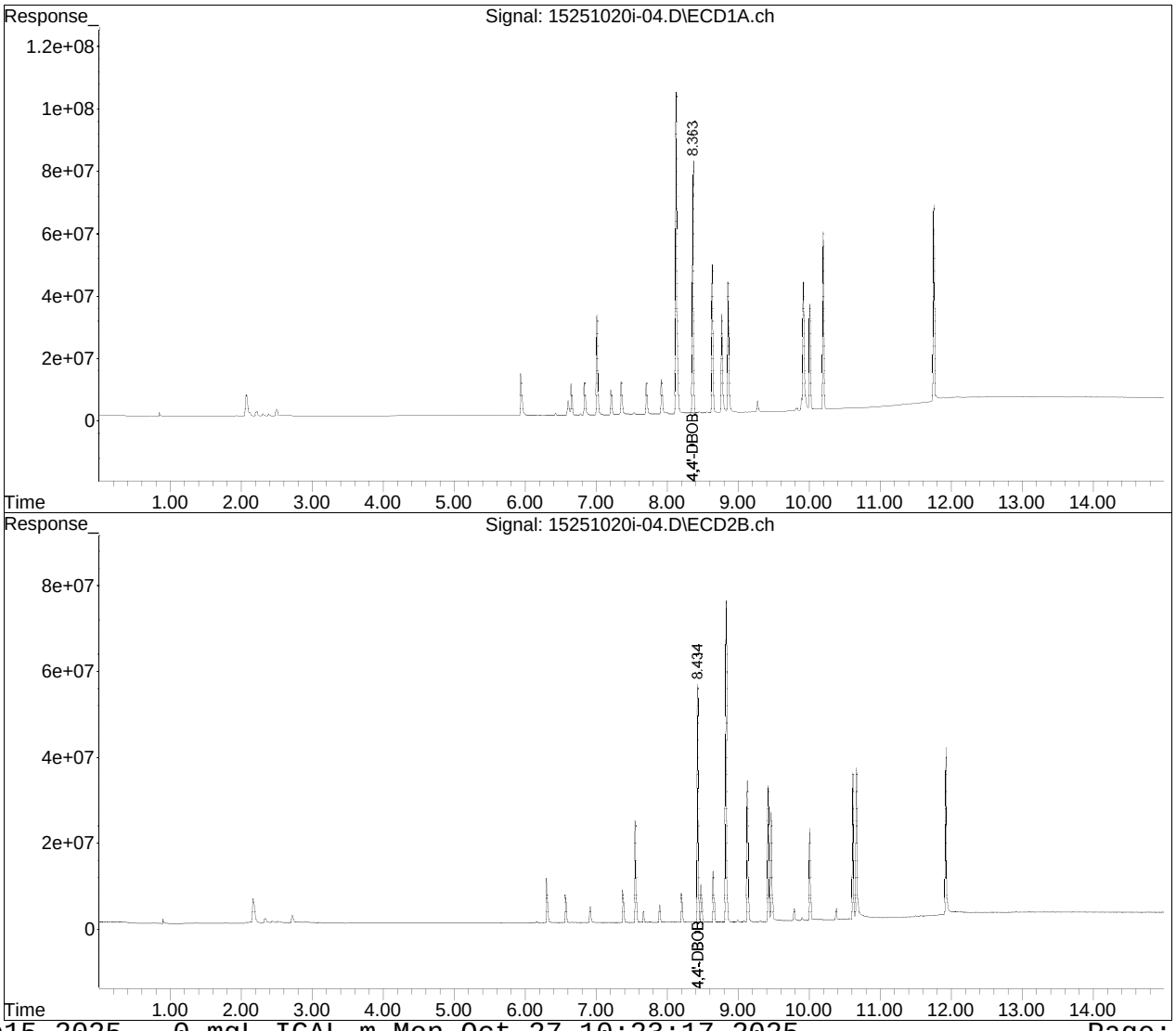
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest15\2025\251020ICAL\
Data File : 15251020i-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 6:47
Operator : Pest15:ejl
Sample : il3herb,42e,,pp 12244 L0.2/20
Misc : WG2133146,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 24 14:44:22 2025
Quant Method : I:\PEST\Pest15\2025\251020ICAL\Herb15_2025_10_20_mgL_ICAL.m
Quant Title : herb
QLast Update : Fri Oct 24 14:44:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

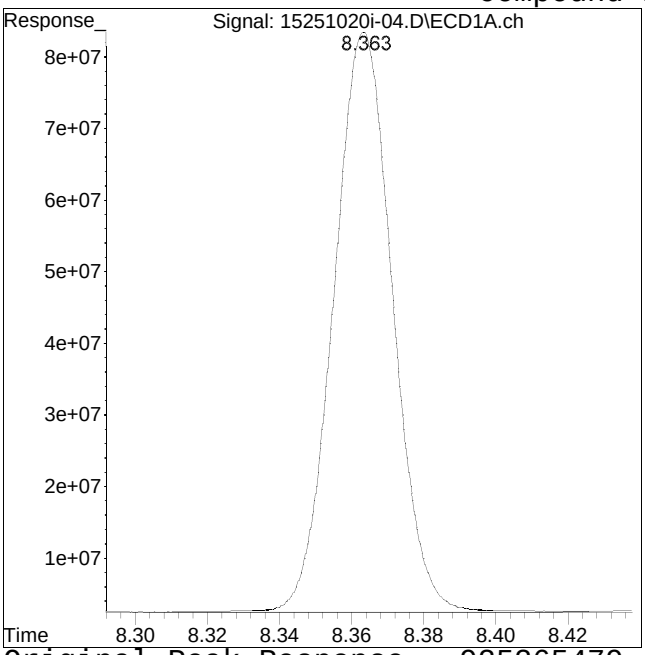


Manual Integration Report

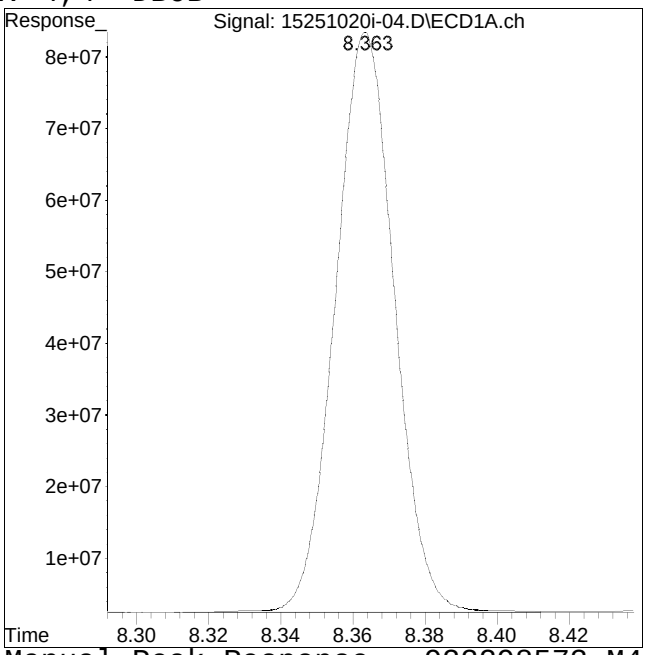
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-04.D
Date Inj'd : 10/20/2025 6:47
Sample : il3herb,42e,,pp 12244 L0.2

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:44 pm

Compound #1: 4,4'-DBOB



Original Peak Response = 925265479



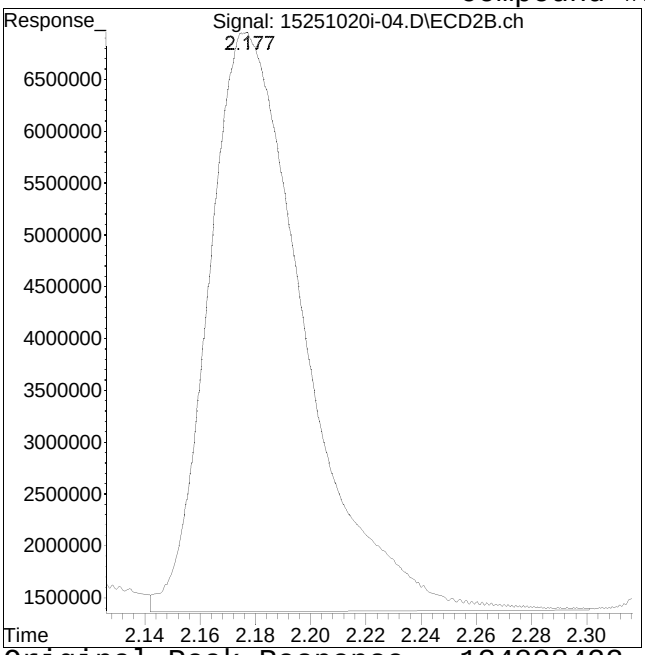
Manual Peak Response = 922298573 M4

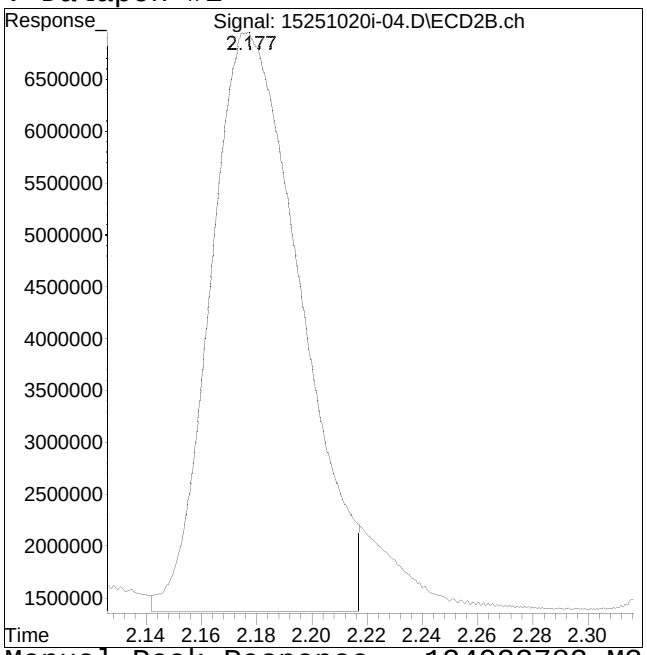
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-04.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:47 Instrument : Pest 15
Sample : il3herb,42e,,pp 12244 L0.2Quant Date : 10/24/2025 2:44 pm

Compound #15: Dalapon #2



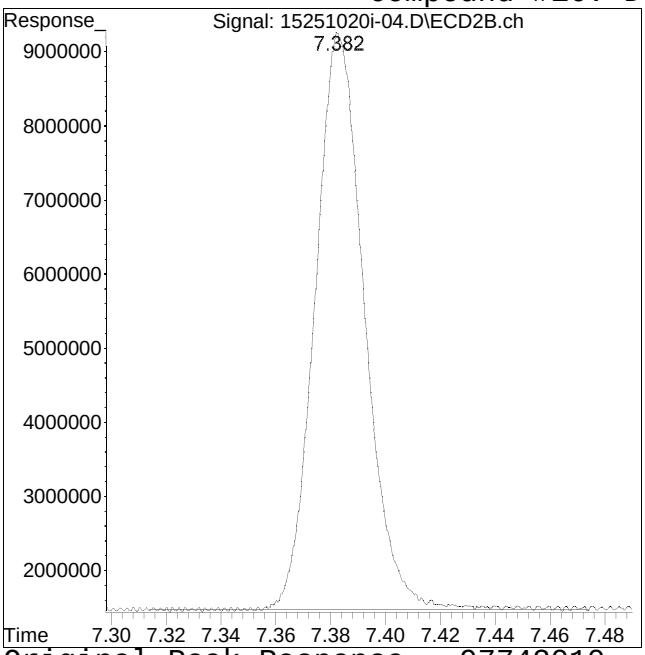


Original Peak Response = 134838422 Manual Peak Response = 124923782 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

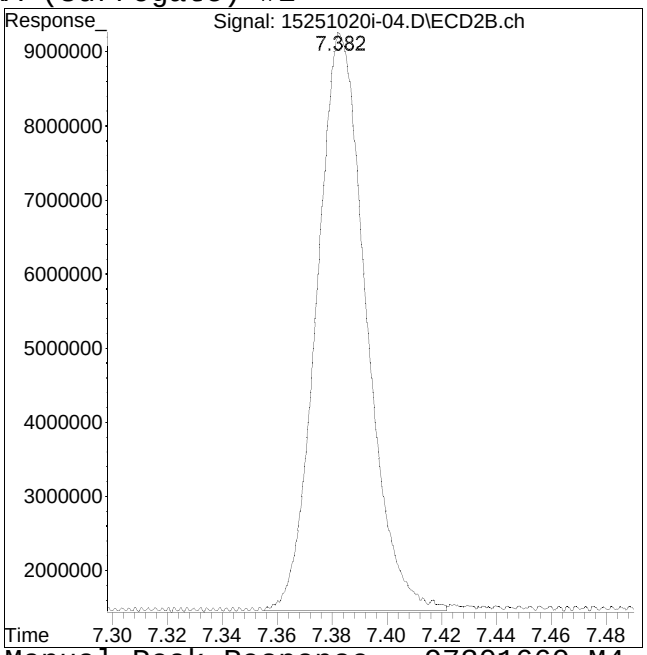
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-04.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:47 Instrument : Pest 15
Sample : il3herb,42e,,pp 12244 L0.2Quant Date : 10/24/2025 2:44 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 97742010



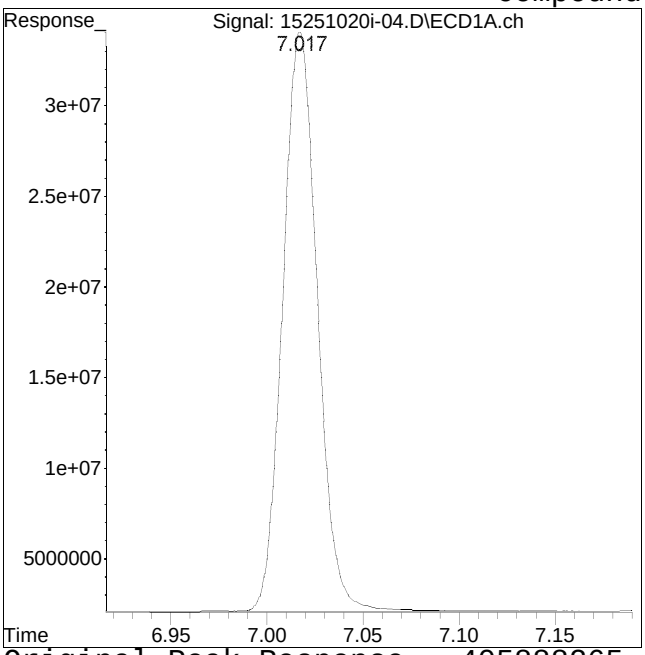
Manual Peak Response = 97301660 M4

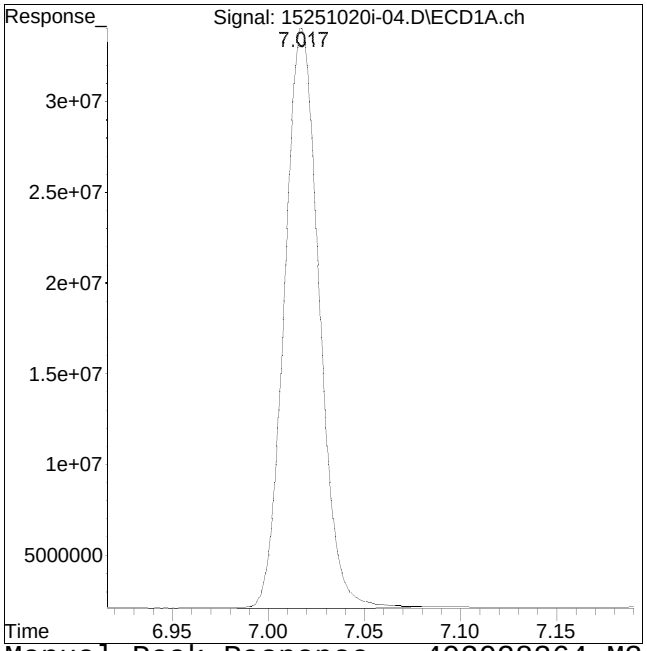
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-04.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:47 Instrument : Pest 15
Sample : il3herb,42e,,pp 12244 L0.2Quant Date : 10/24/2025 2:44 pm

Compound #4: Dicamba



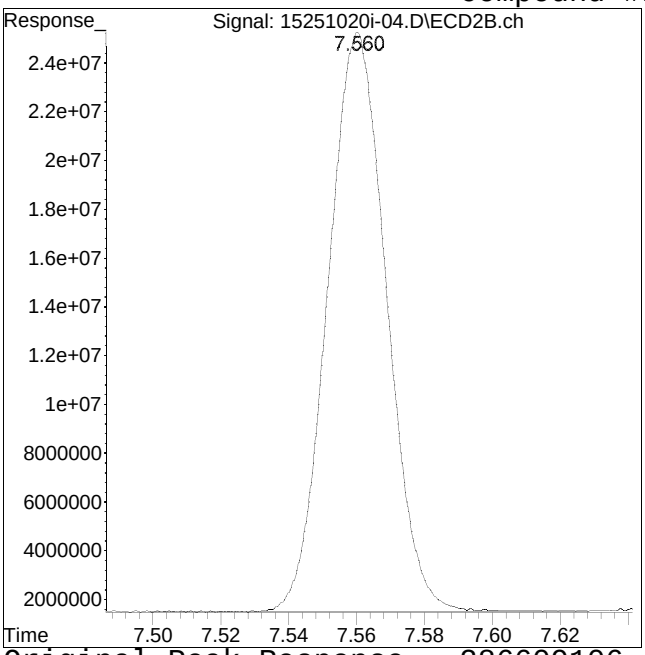


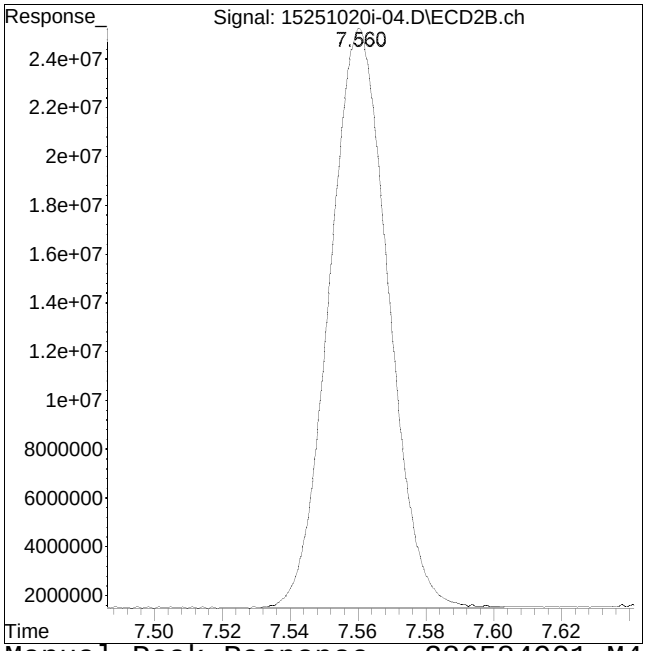
Original Peak Response = 405888265 Manual Peak Response = 402028364 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-04.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:47 Instrument : Pest 15
Sample : il3herb,42e,,pp 12244 L0.2Quant Date : 10/24/2025 2:44 pm

Compound #17: Dicamba #2



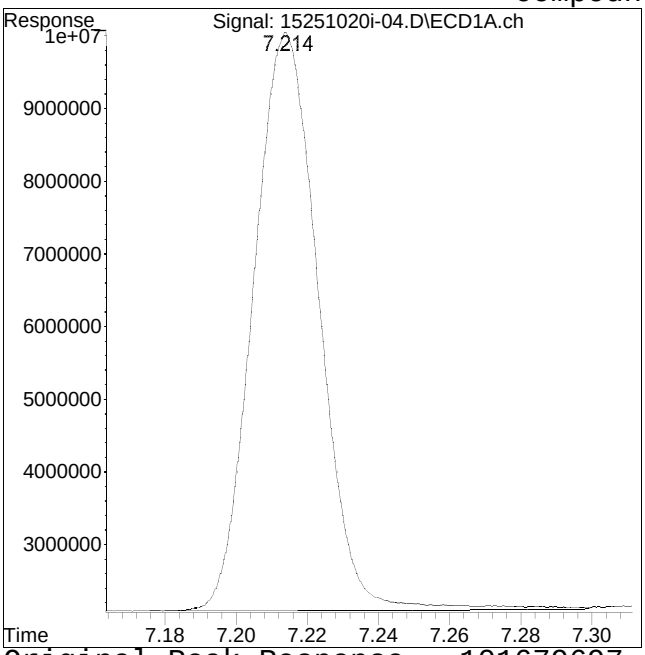


Original Peak Response = 286609106 Manual Peak Response = 286584901 M4
M4 = Poor automated baseline construction.

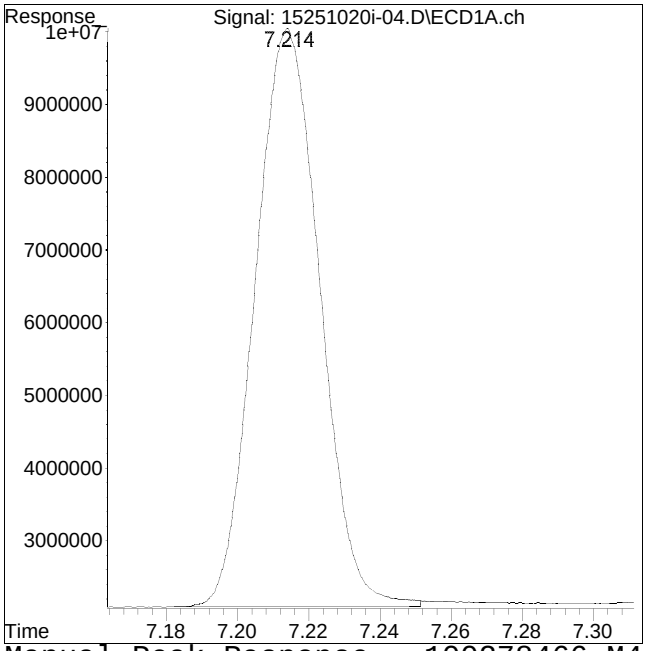
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-04.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:47 Instrument : Pest 15
Sample : il3herb,42e,,pp 12244 L0.2Quant Date : 10/24/2025 2:44 pm

Compound #5: MCPP



Original Peak Response = 101679697



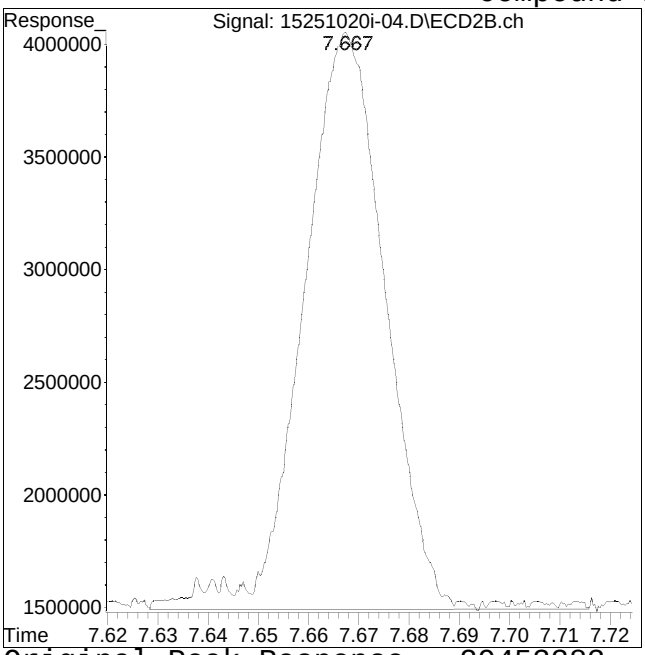
Manual Peak Response = 100278466 M4
M4 = Poor automated baseline construction.

Manual Integration Report

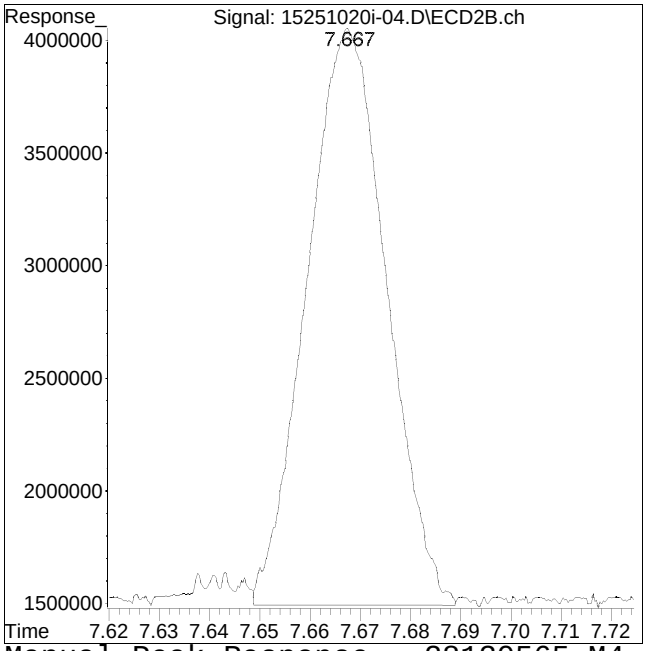
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-04.D
Date Inj'd : 10/20/2025 6:47
Sample : il3herb,42e,,pp 12244 L0.2

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:44 pm

Compound #18: MCPP #2



Original Peak Response = 29453383



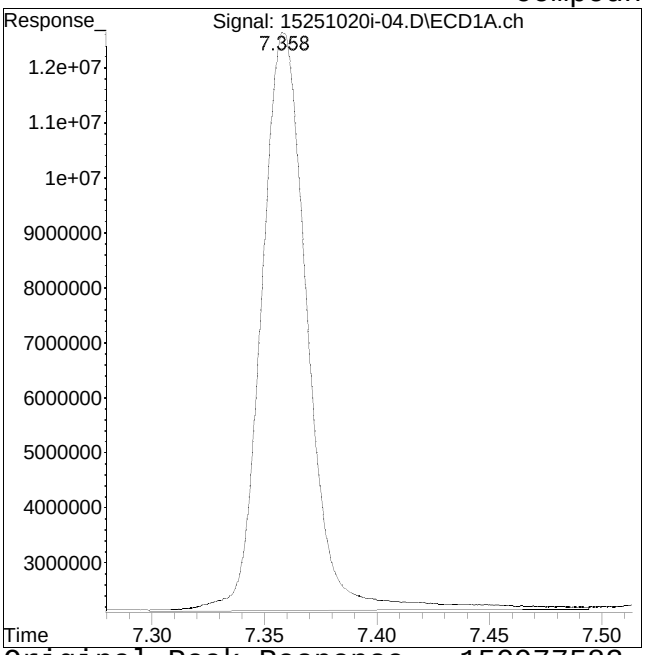
Manual Peak Response = 28130565 M4

M4 = Poor automated baseline construction.

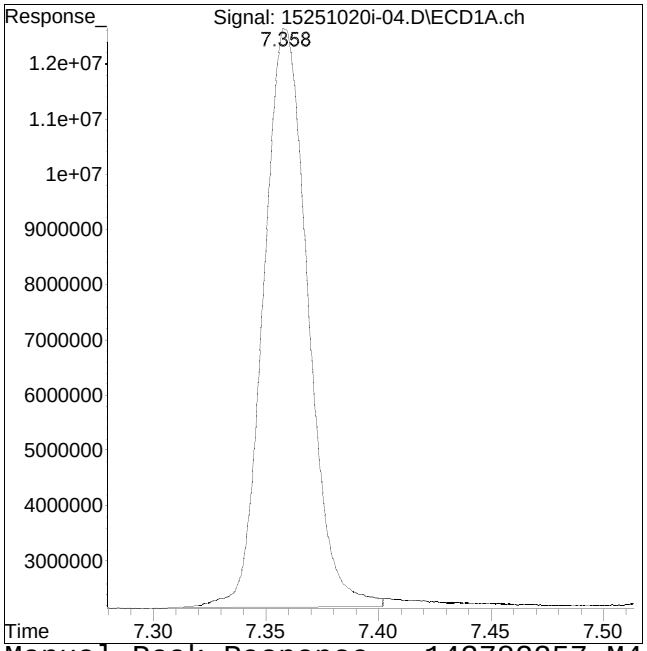
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-04.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:47 Instrument : Pest 15
Sample : il3herb,42e,,pp 12244 L0.2Quant Date : 10/24/2025 2:44 pm

Compound #6: MCPA



Original Peak Response = 150977583



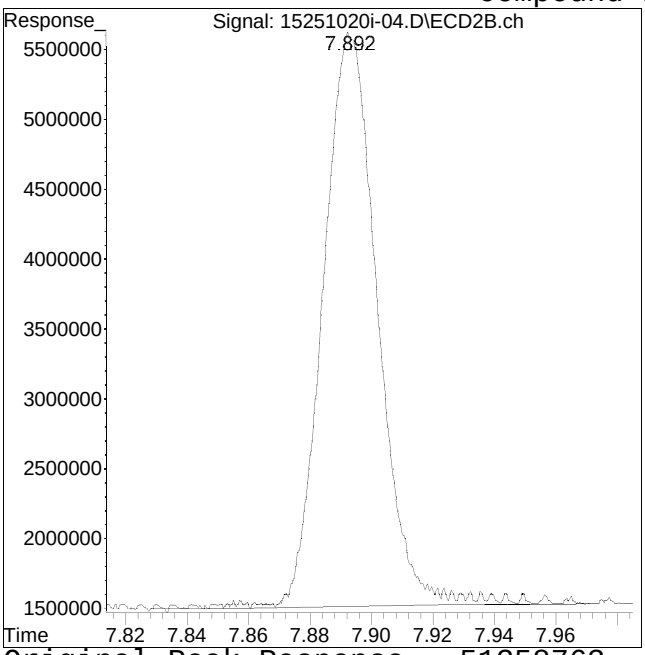
Manual Peak Response = 143782257 M4
M4 = Poor automated baseline construction.

Manual Integration Report

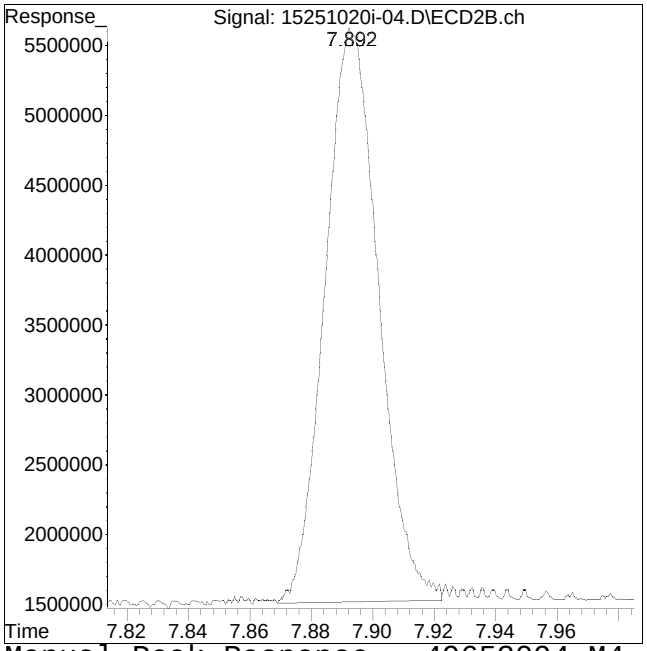
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-04.D
Date Inj'd : 10/20/2025 6:47
Sample : il3herb,42e,,pp 12244 L0.2

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:44 pm

Compound #19: MCPA #2



Original Peak Response = 51358763



Manual Peak Response = 49653094 M4

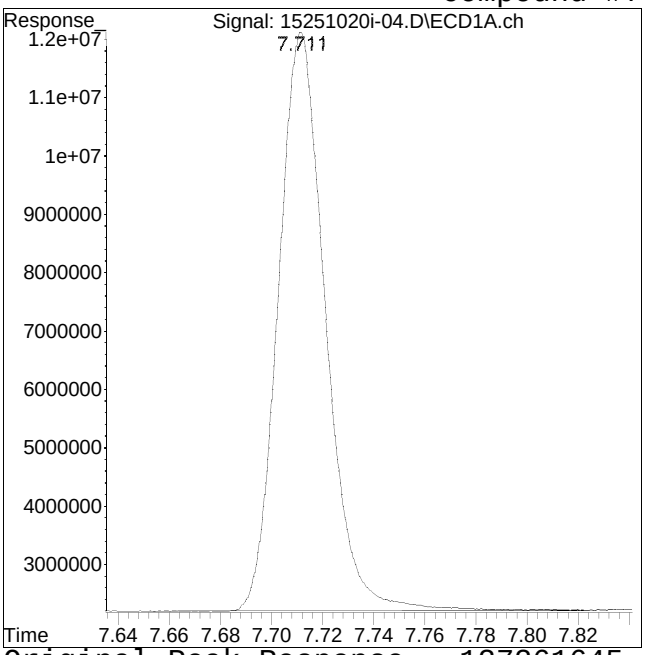
M4 = Poor automated baseline construction.

Manual Integration Report

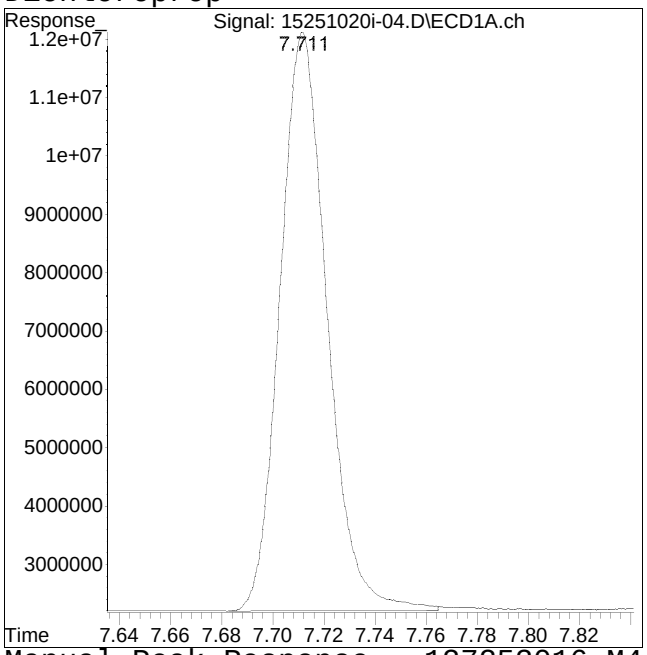
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-04.D
Date Inj'd : 10/20/2025 6:47
Sample : il3herb,42e,,pp 12244 L0.2

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:44 pm

Compound #7: Dichloroprop



Original Peak Response = 127261645



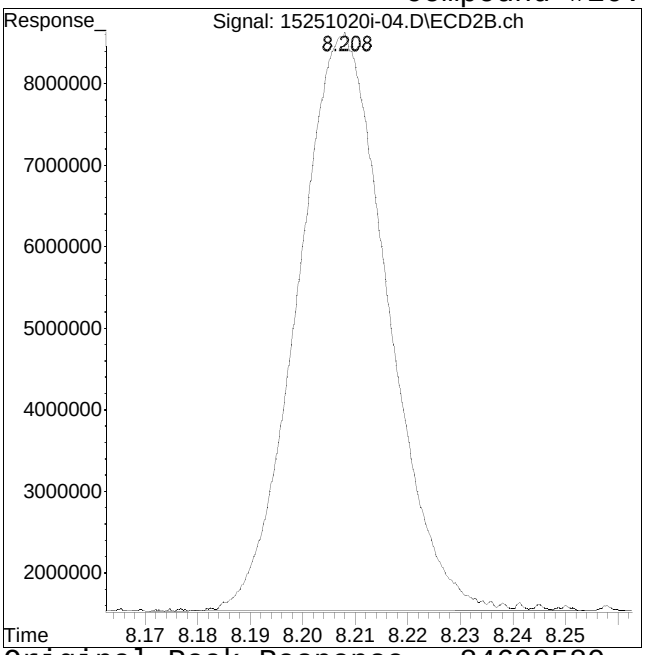
Manual Peak Response = 127253016 M4

M4 = Poor automated baseline construction.

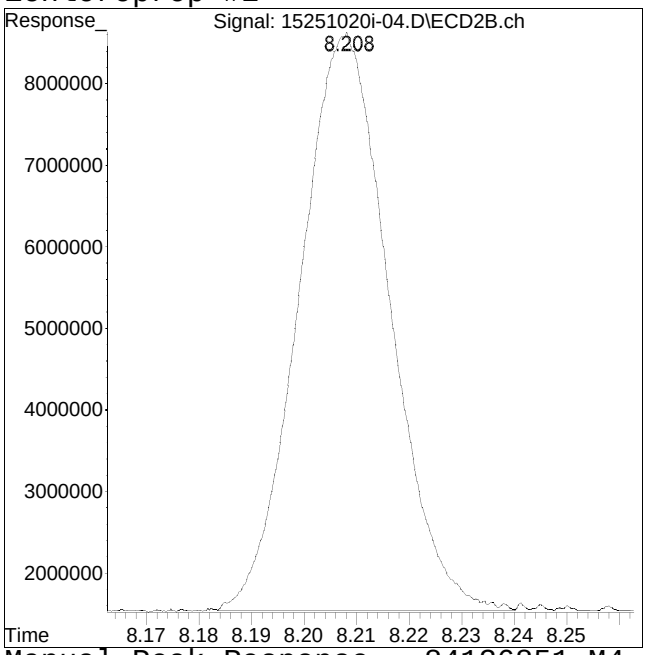
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-04.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:47 Instrument : Pest 15
Sample : il3herb,42e,,pp 12244 L0.2Quant Date : 10/24/2025 2:44 pm

Compound #20: Dichloroprop #2



Original Peak Response = 84690580



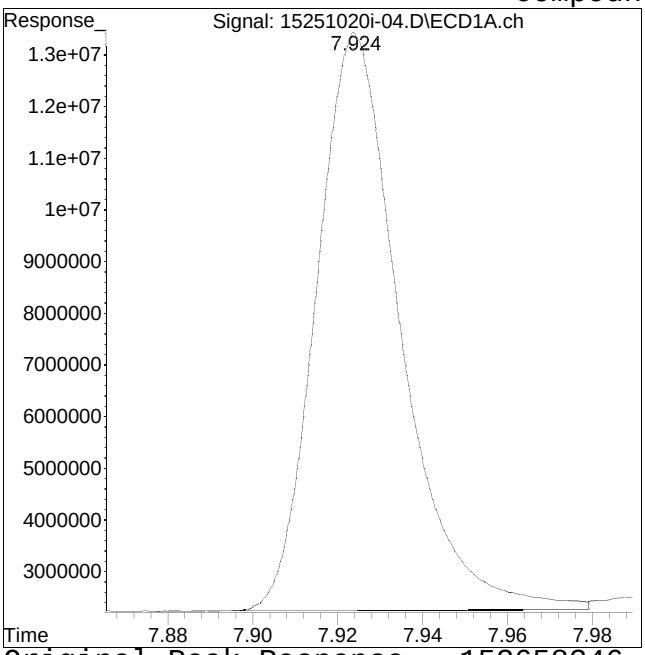
Manual Peak Response = 84136851 M4

M4 = Poor automated baseline construction.

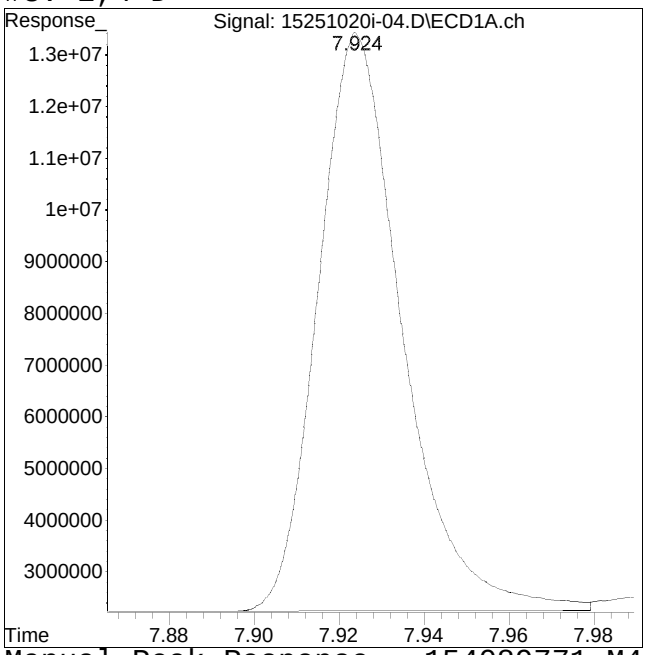
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-04.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:47 Instrument : Pest 15
Sample : il3herb,42e,,pp 12244 L0.2Quant Date : 10/24/2025 2:44 pm

Compound #8: 2,4-D



Original Peak Response = 153658346



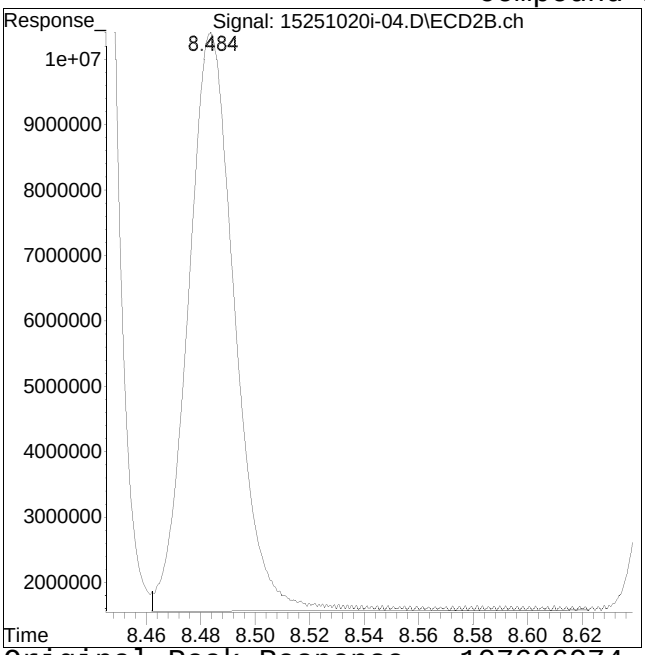
Manual Peak Response = 154089771 M4
M4 = Poor automated baseline construction.

Manual Integration Report

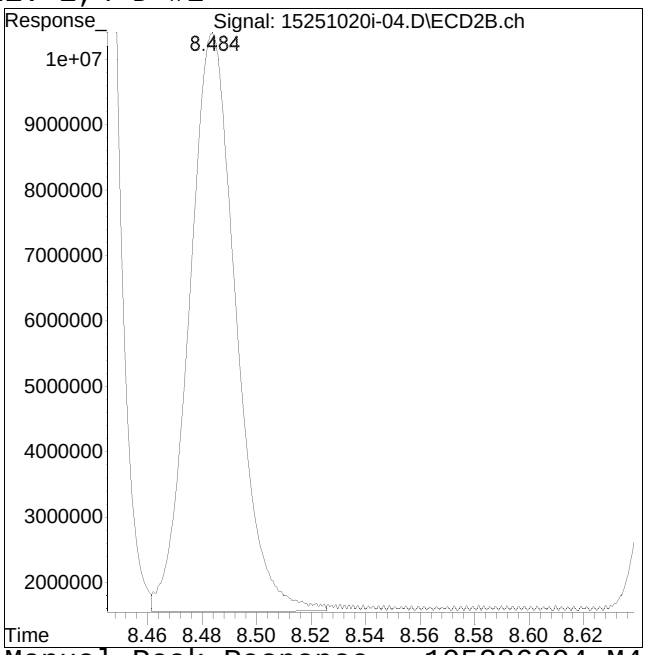
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-04.D
Date Inj'd : 10/20/2025 6:47
Sample : il3herb,42e,,pp 12244 L0.2

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:44 pm

Compound #21: 2,4-D #2



Original Peak Response = 107696974



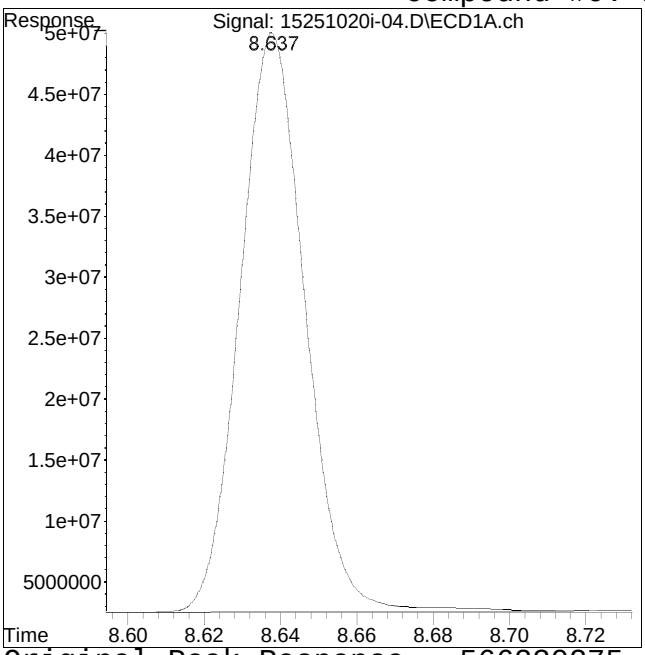
Manual Peak Response = 105286894 M4

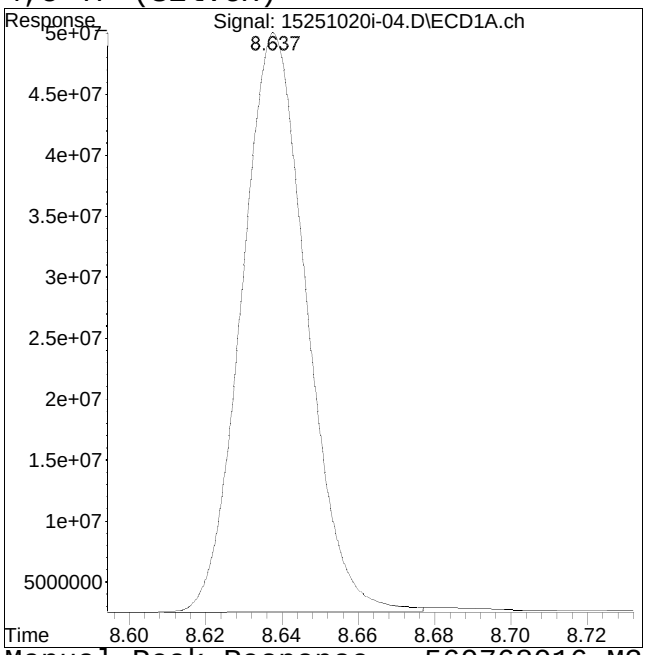
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-04.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:47 Instrument : Pest 15
Sample : il3herb,42e,,pp 12244 L0.2Quant Date : 10/24/2025 2:44 pm

Compound #9: 2,4,5-TP (Silvex)





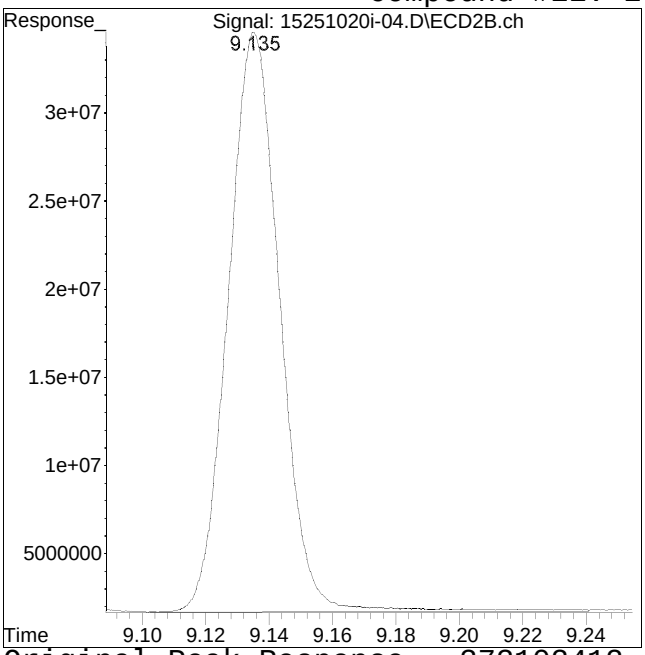
Original Peak Response = 566230275 Manual Peak Response = 560768016 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

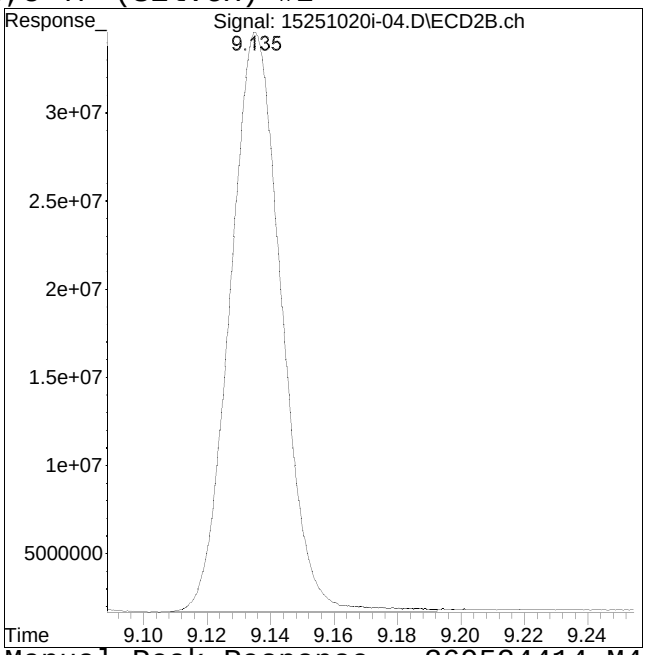
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-04.D
Date Inj'd : 10/20/2025 6:47
Sample : il3herb,42e,,pp 12244 L0.2

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:44 pm

Compound #22: 2,4,5-TP (Silvex) #2



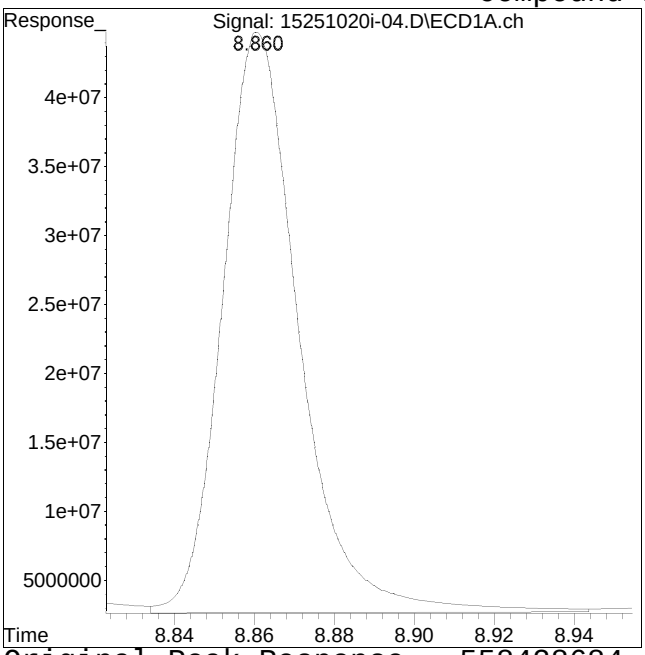


Original Peak Response = 373102412 Manual Peak Response = 369524414 M4
M4 = Poor automated baseline construction.

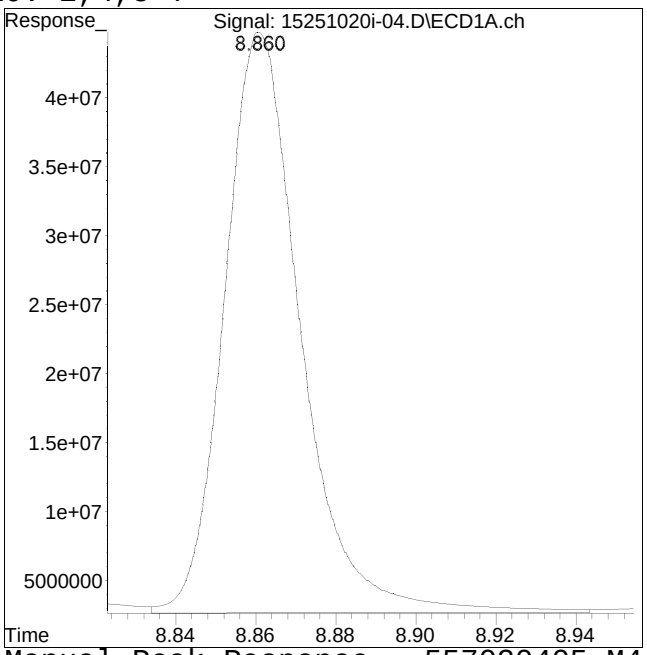
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-04.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:47 Instrument : Pest 15
Sample : il3herb,42e,,pp 12244 L0.2Quant Date : 10/24/2025 2:44 pm

Compound #10: 2,4,5-T



Original Peak Response = 558428684



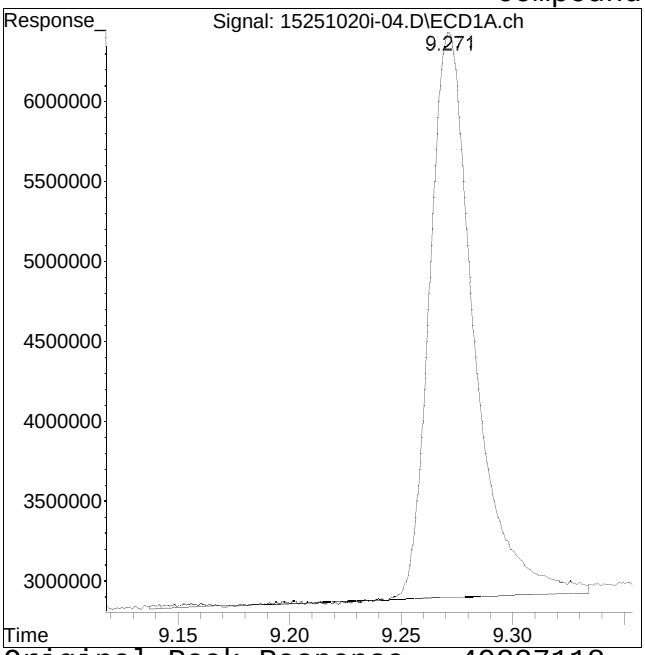
Manual Peak Response = 557020405 M4

M4 = Poor automated baseline construction.

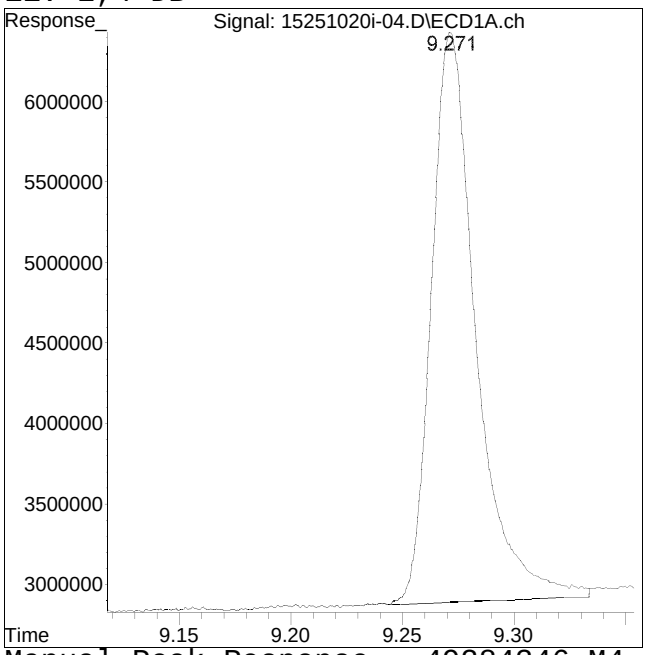
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-04.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:47 Instrument : Pest 15
Sample : il3herb,42e,,pp 12244 L0.2Quant Date : 10/24/2025 2:44 pm

Compound #11: 2,4-DB



Original Peak Response = 49227118



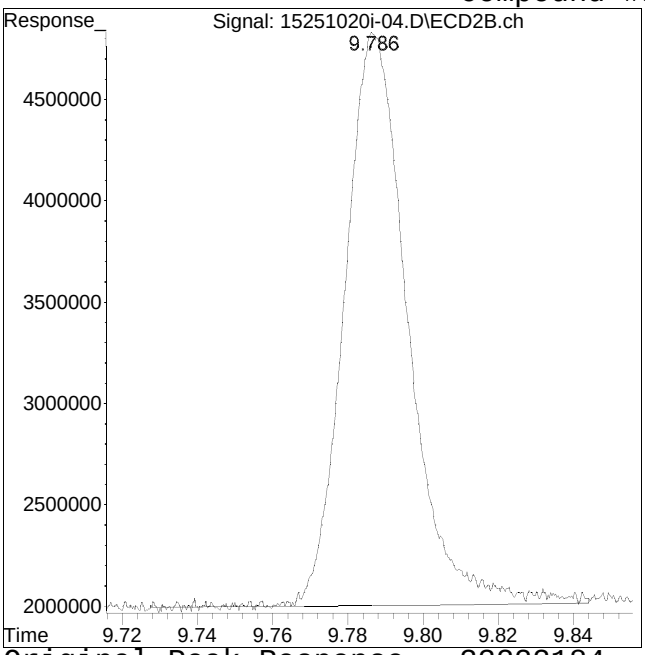
Manual Peak Response = 49284346 M4

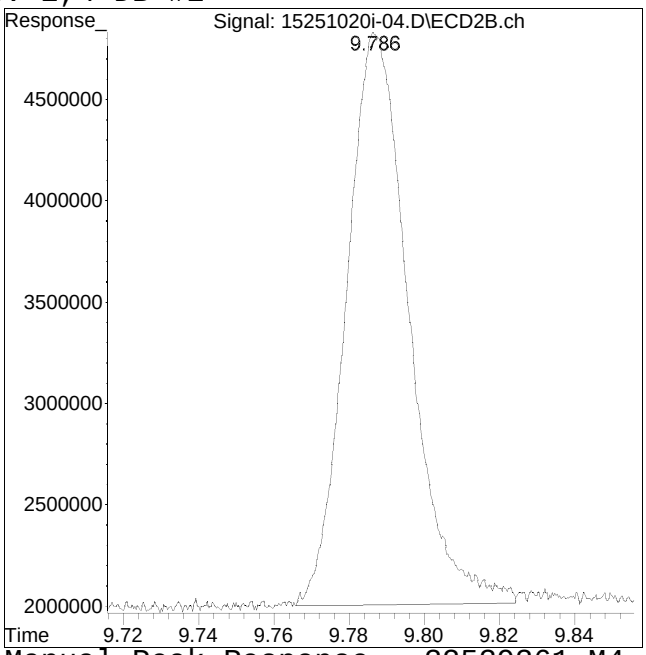
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-04.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:47 Instrument : Pest 15
Sample : il3herb,42e,,pp 12244 L0.2Quant Date : 10/24/2025 2:44 pm

Compound #24: 2,4-DB #2



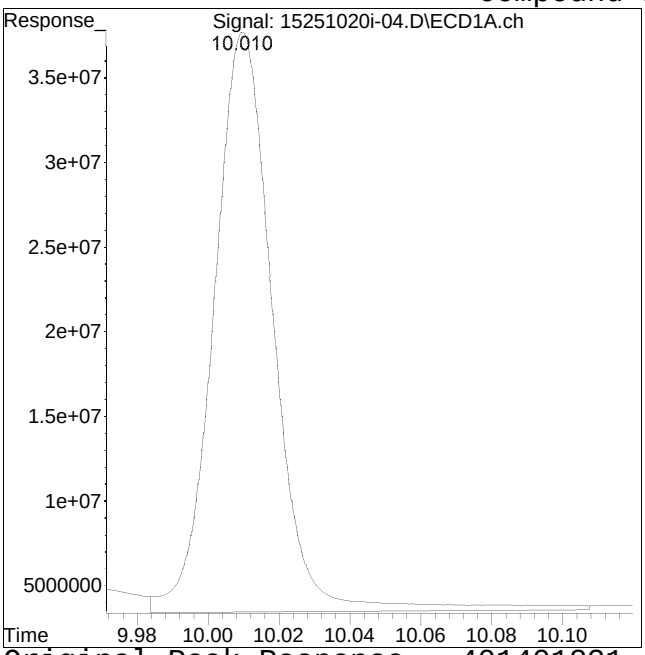


Original Peak Response = 33222184 Manual Peak Response = 32539361 M4
M4 = Poor automated baseline construction.

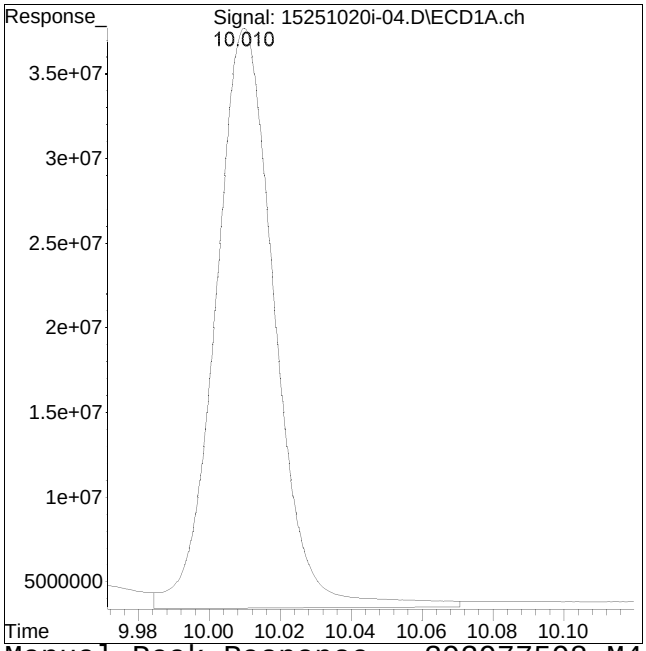
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-04.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 6:47 Instrument : Pest 15
Sample : il3herb,42e,,pp 12244 L0.2Quant Date : 10/24/2025 2:44 pm

Compound #12: Dinoseb



Original Peak Response = 401401231

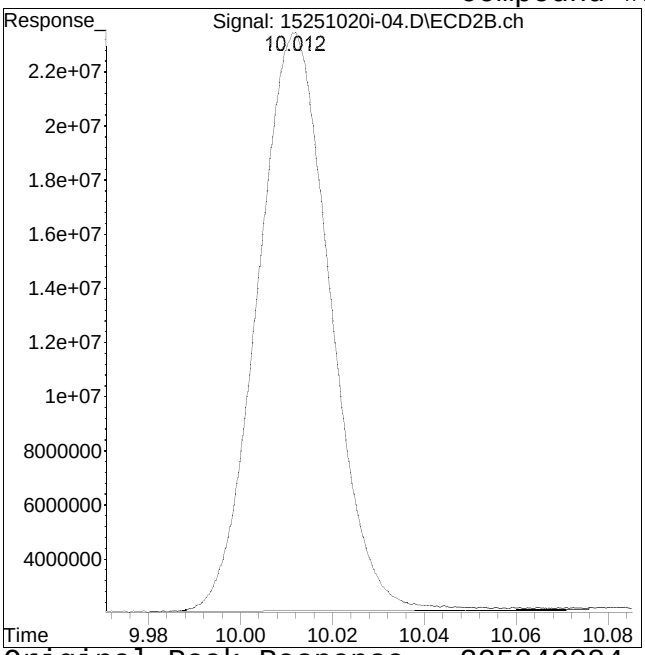


Manual Peak Response = 393977598 M4
M4 = Poor automated baseline construction.

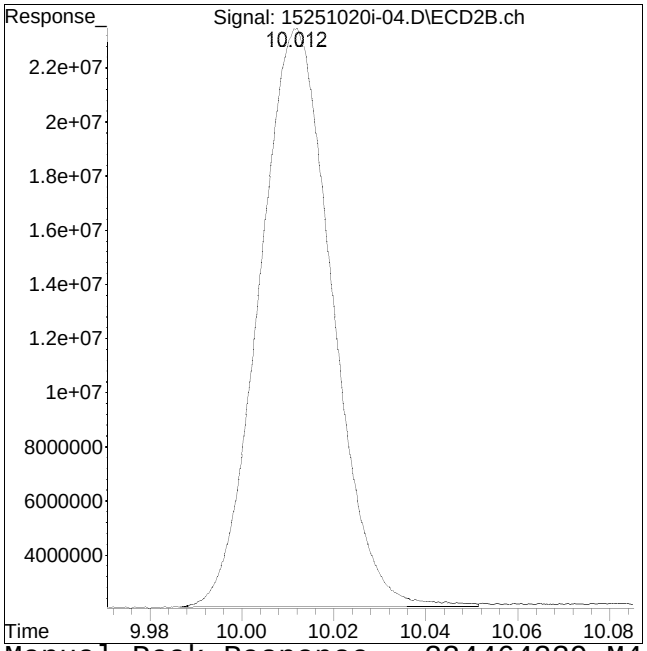
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-04.D
Date Inj'd : 10/20/2025 6:47
Sample : il3herb,42e,,pp 12244 L0.2
Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:44 pm

Compound #25: Dinoseb #2



Original Peak Response = 235842984



Manual Peak Response = 234464239 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest15\2025\251020ICAL\
Data File : 15251020i-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 7:05
Operator : Pest15:ejl
Sample : il4herb,42e,,pp 12244 L0.5/50
Misc : WG2133146,ical
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 24 14:47:43 2025
Quant Method : I:\PEST\Pest15\2025\251020ICAL\Herb15_2025_10_20_mgL_ICAL.m
Quant Title : herb
QLast Update : Fri Oct 24 14:47:22 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.362	8.435	916.9E6	591.3E6	0.250M3	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.838	7.382	307.0E6	216.8E6	0.418	0.427M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	83.60%	85.40%
		Target Compounds						
2)	t	Dalapon	2.089	2.190	363.0E6	303.6E6	0.444M3	0.451M3
4)	t	Dicamba	7.015	7.559	903.8E6	654.2E6	0.425M3	0.437M4
5)	t	MCPP	7.213	7.668	199.5E6	69485753	37.627M4	47.305M4
6)	t	MCPA	7.357	7.893	273.8E6	114.6E6	35.623M3	43.717M4
7)	t	Dichloroprop	7.709	8.207	282.7E6	191.0E6	0.420M4	0.435M4
8)	t	2,4-D	7.920	8.482	349.5E6	236.6E6	0.429M4	0.430M4
9)	t	2,4,5-TP (Si	8.636	9.134	1280.0E6	866.8E6	0.436M3	0.454M4
10)	t	2,4,5-T	8.858	9.426	1273.1E6	834.4E6	0.437M4	0.459
11)	t	2,4-DB	9.267	9.786	161.2E6	98605388	0.632M4	0.593M4
12)	t	Dinoseb	10.009	10.012	896.1E6	554.1E6	0.435M4	0.457M3

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest15\2025\251020ICAL\
Data File : 15251020i-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 7:05
Operator : Pest15:ejl
Sample : il4herb,42e,,pp 12244 L0.5/50
Misc : WG2133146,ical
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 24 14:47:43 2025
Quant Method : I:\PEST\Pest15\2025\251020ICAL\Herb15_2025_10_20_mgL_ICAL.m
Quant Title : herb
QLast Update : Fri Oct 24 14:47:22 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

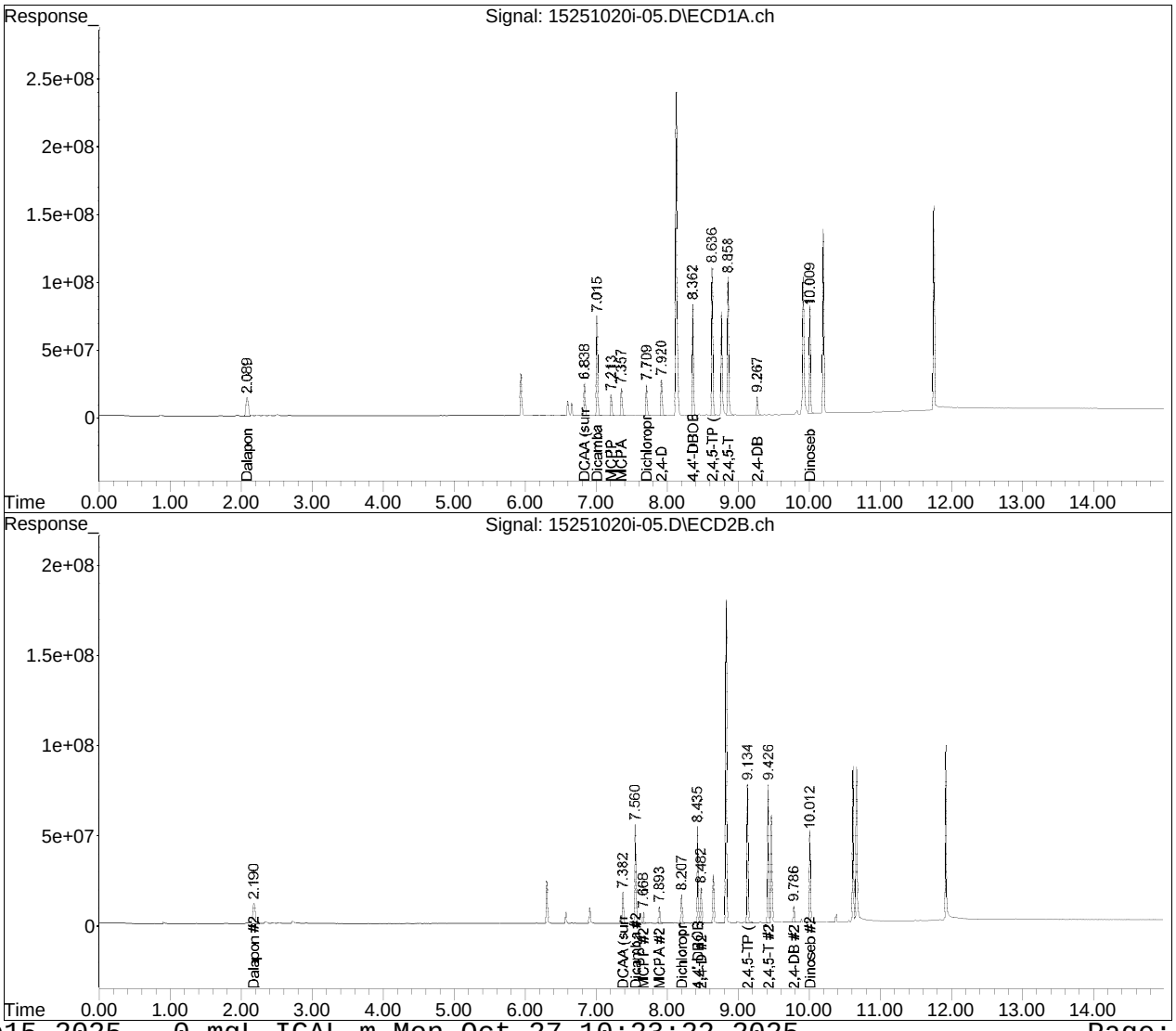
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest15\2025\251020ICAL\
Data File : 15251020i-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 7:05
Operator : Pest15:ejl
Sample : il4herb,42e,,pp 12244 L0.5/50
Misc : WG2133146,ical
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 24 14:47:43 2025
Quant Method : I:\PEST\Pest15\2025\251020ICAL\Herb15_2025_10_20_mgL_ICAL.m
Quant Title : herb
QLast Update : Fri Oct 24 14:47:22 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

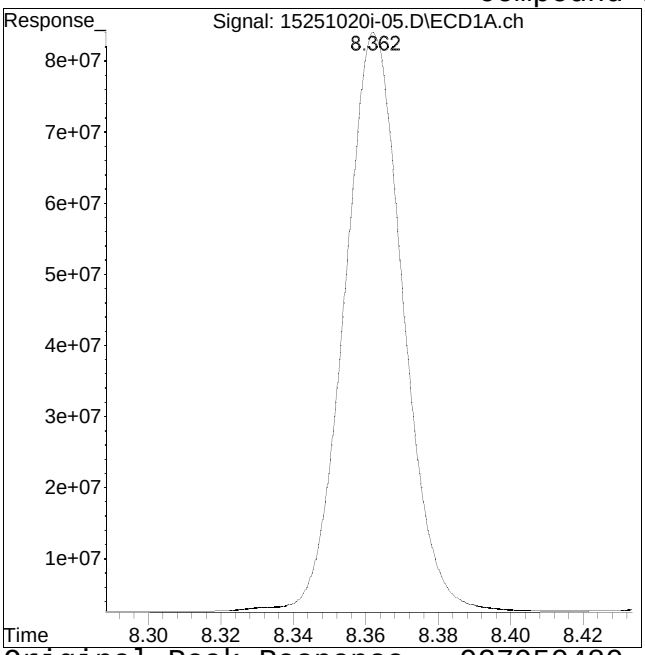


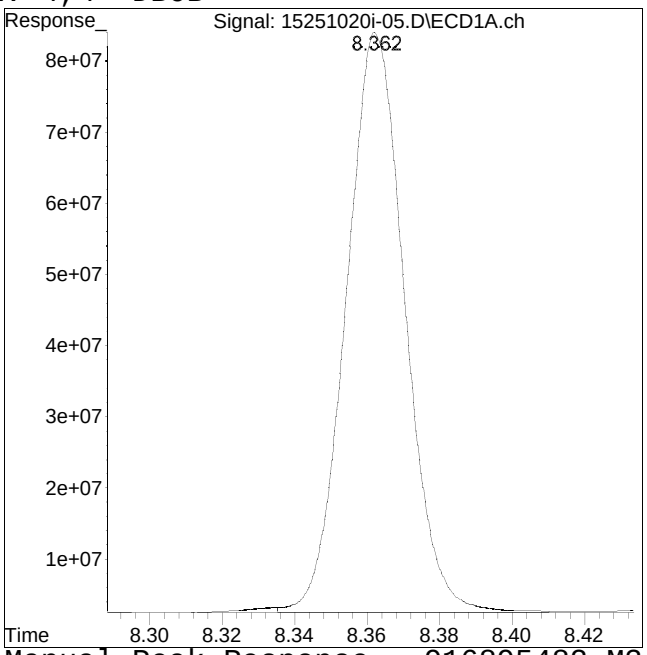
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-05.D
Date Inj'd : 10/20/2025 7:05
Sample : il4herb,42e,,pp 12244 L0.5

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:47 pm

Compound #1: 4,4'-DBOB





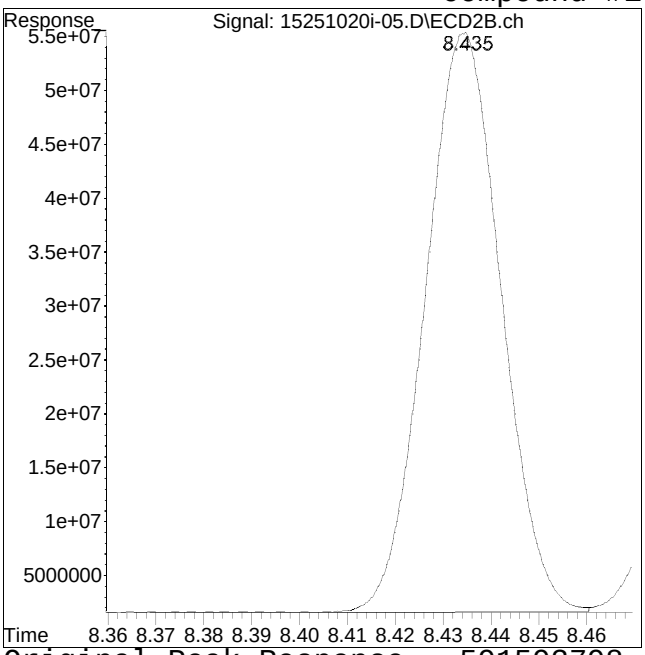
Original Peak Response = 927950480 Manual Peak Response = 916895482 M3

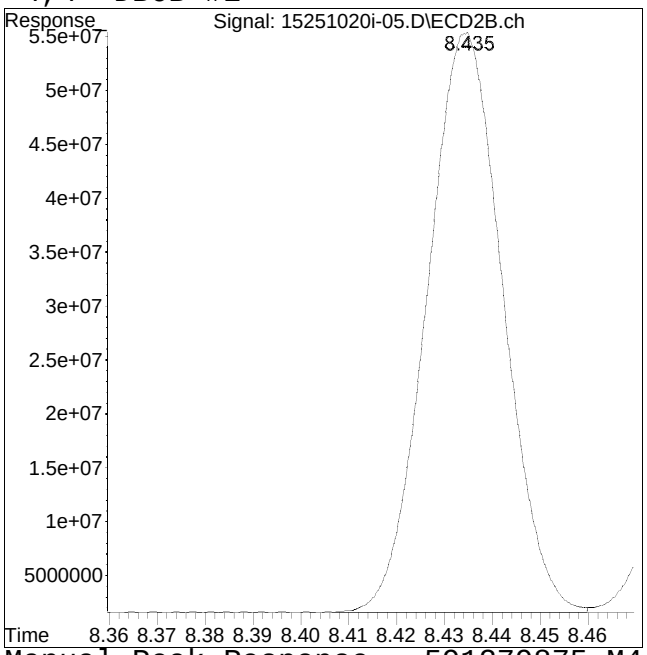
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-05.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:05 Instrument : Pest 15
Sample : il4herb,42e,,pp 12244 L0.5Quant Date : 10/24/2025 2:47 pm

Compound #14: 4,4'-DBOB #2



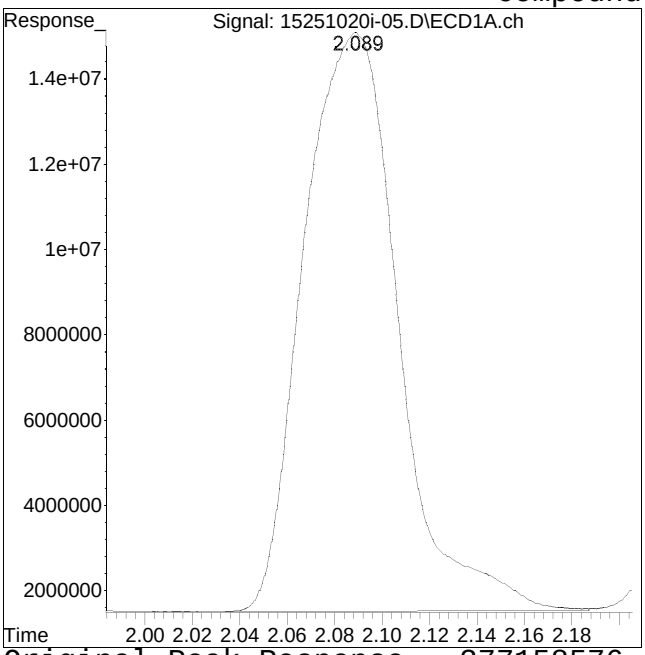


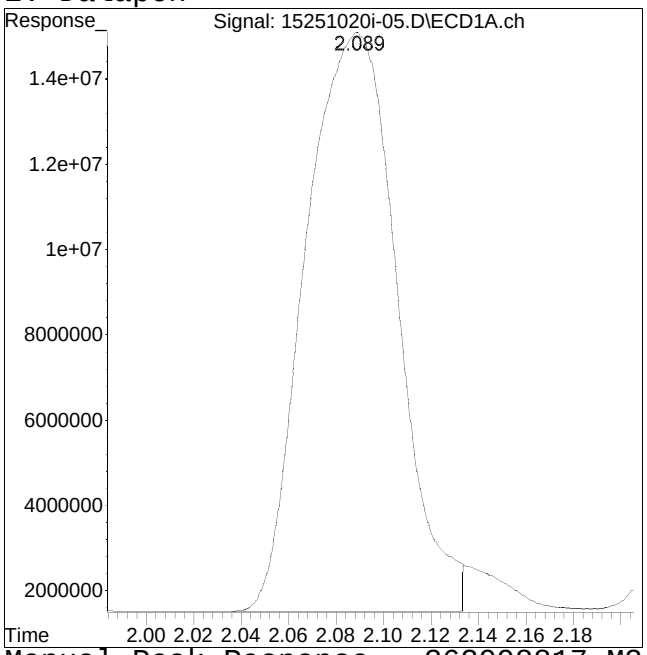
Original Peak Response = 591593798 Manual Peak Response = 591279875 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-05.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:05 Instrument : Pest 15
Sample : il4herb,42e,,pp 12244 L0.5Quant Date : 10/24/2025 2:47 pm

Compound #2: Dalapon



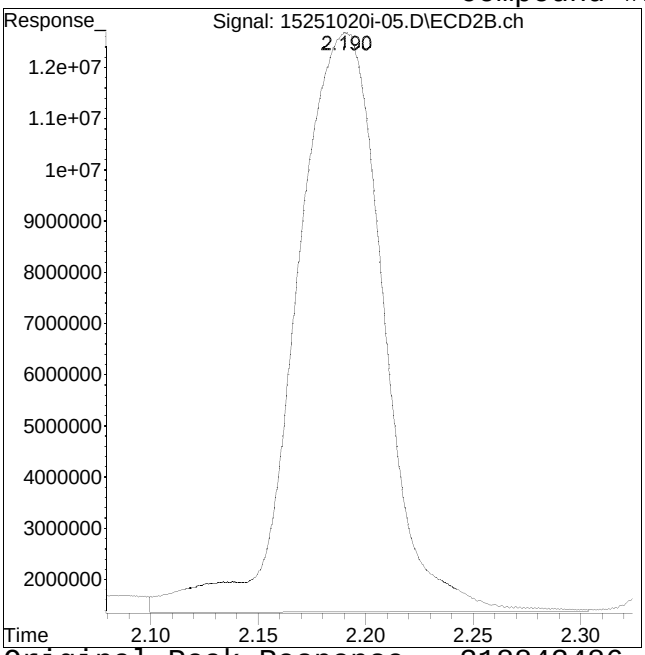


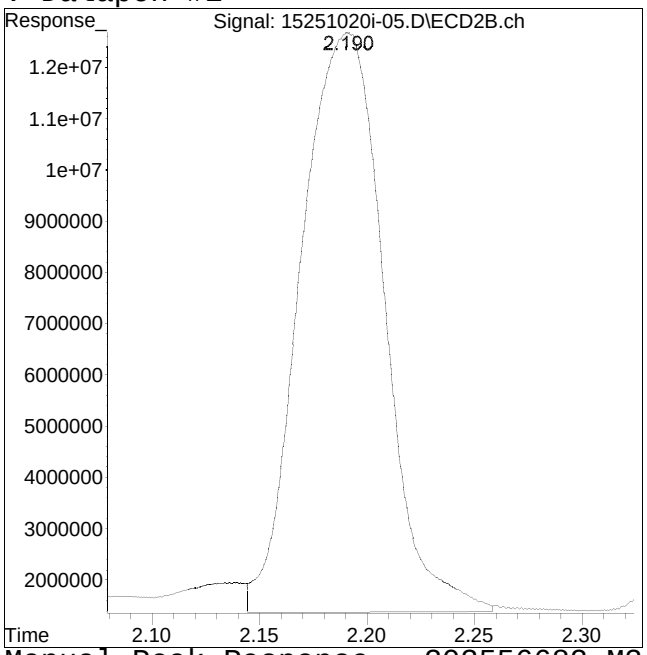
Original Peak Response = 377158576 Manual Peak Response = 362998817 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-05.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:05 Instrument : Pest 15
Sample : il4herb,42e,,pp 12244 L0.5Quant Date : 10/24/2025 2:47 pm

Compound #15: Dalapon #2





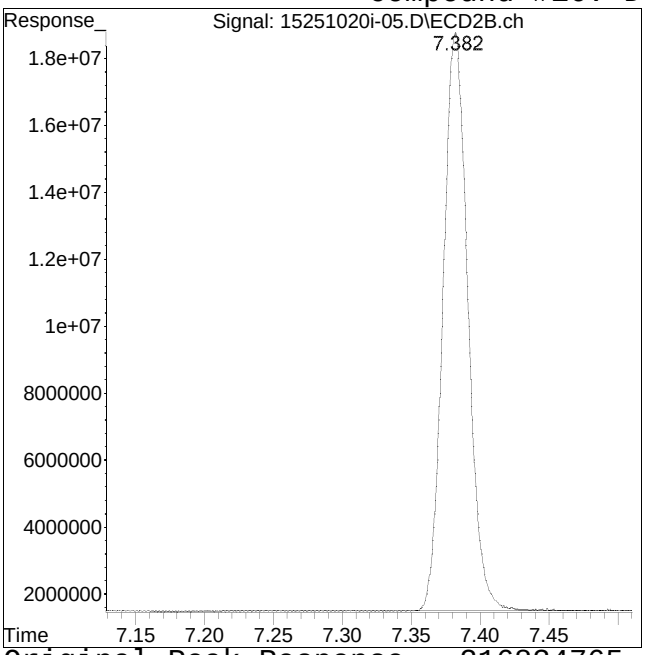
Original Peak Response = 318842486 Manual Peak Response = 303556682 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

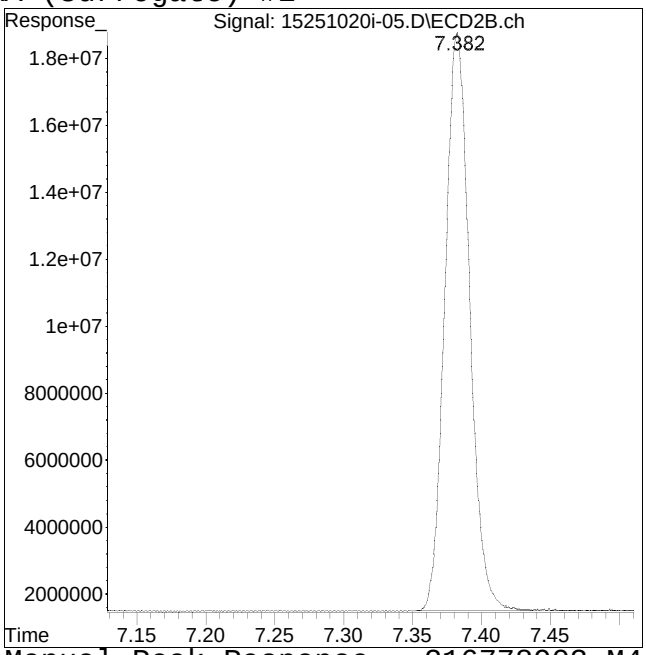
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-05.D
Date Inj'd : 10/20/2025 7:05
Sample : il4herb,42e,,pp 12244 L0.5

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:47 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 216834765



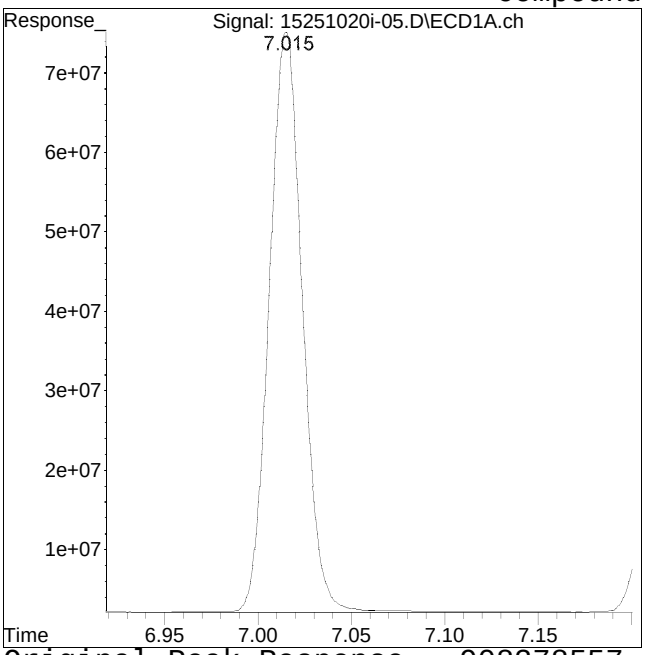
Manual Peak Response = 216778903 M4

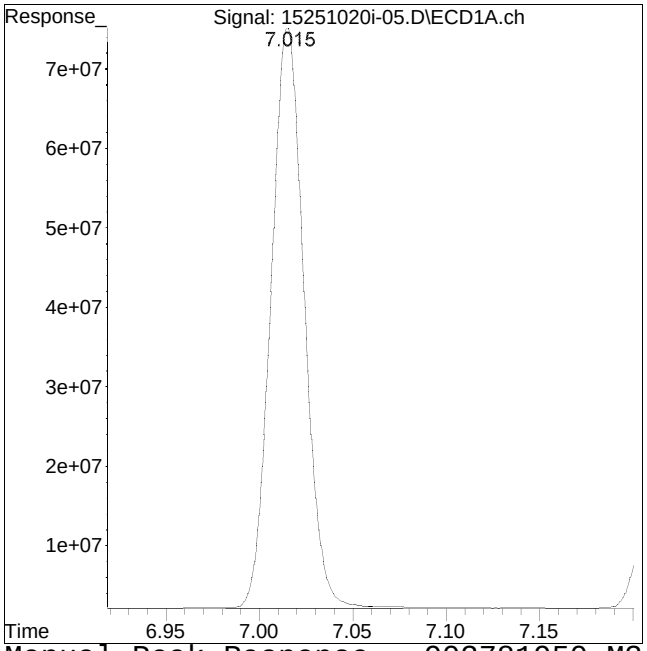
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-05.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:05 Instrument : Pest 15
Sample : il4herb,42e,,pp 12244 L0.5Quant Date : 10/24/2025 2:47 pm

Compound #4: Dicamba





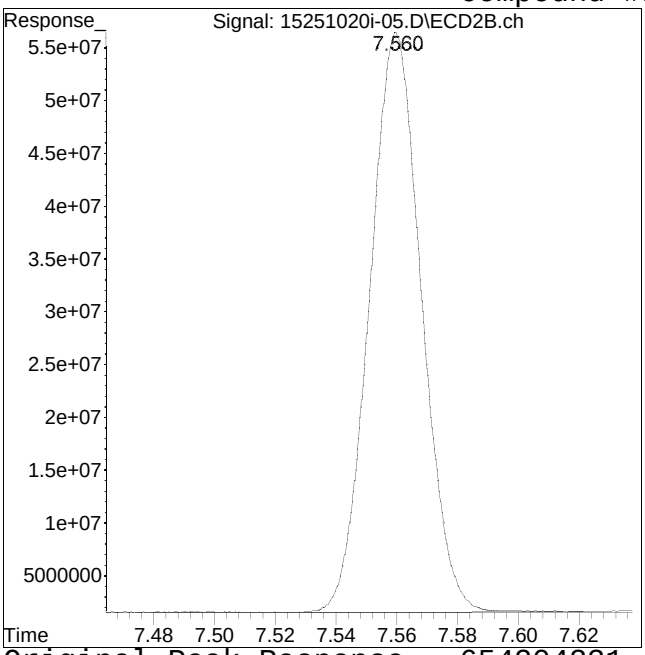
Original Peak Response = 908378557 Manual Peak Response = 903781950 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

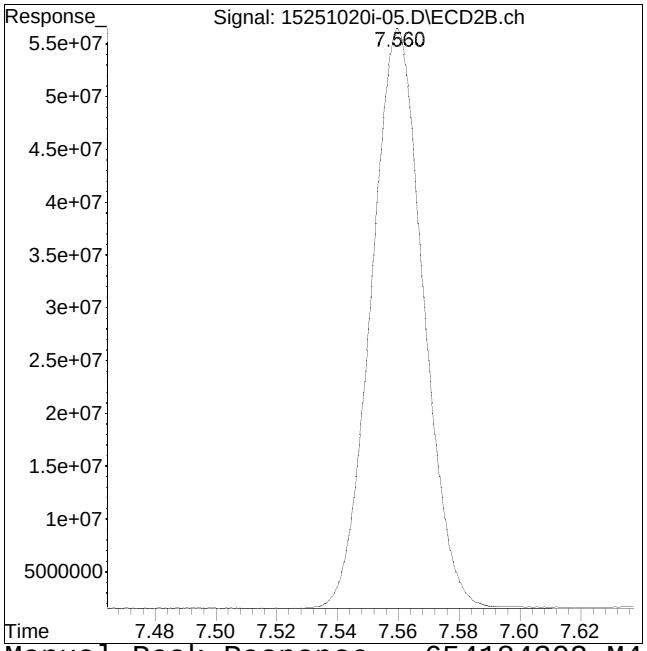
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-05.D
Date Inj'd : 10/20/2025 7:05
Sample : il4herb,42e,,pp 12244 L0.5

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:47 pm

Compound #17: Dicamba #2



Original Peak Response = 654204231



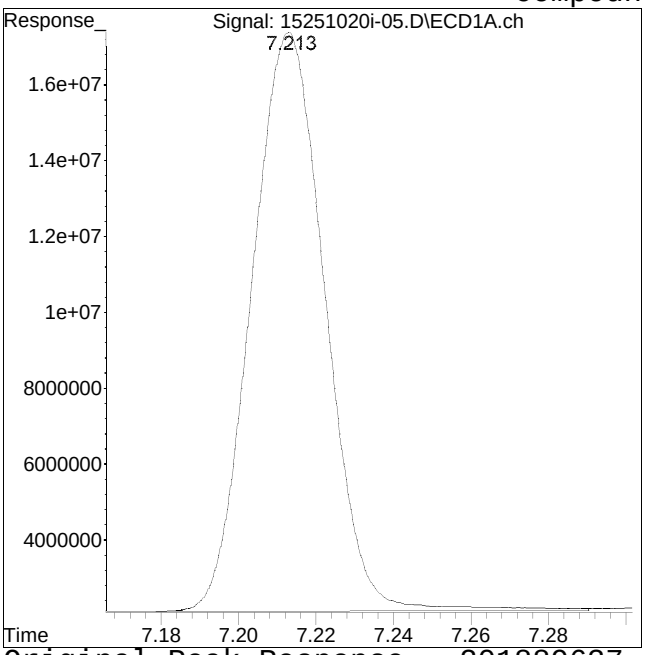
Manual Peak Response = 654184302 M4

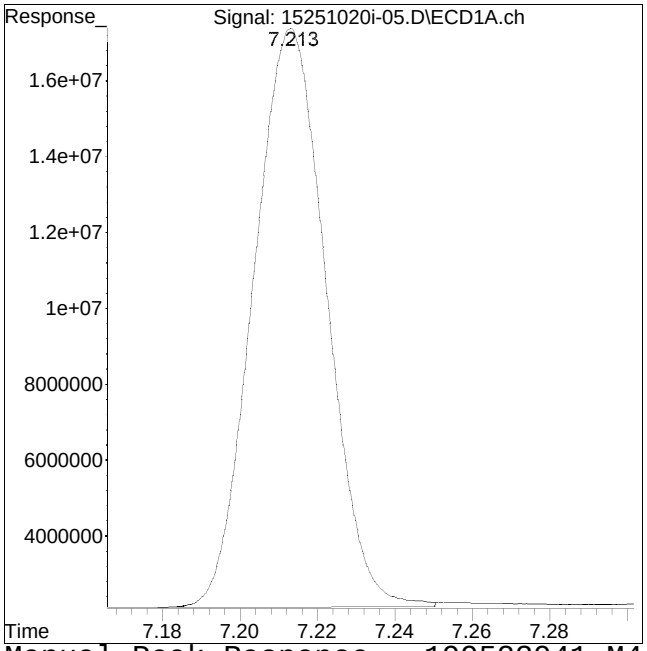
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-05.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:05 Instrument : Pest 15
Sample : il4herb,42e,,pp 12244 L0.5Quant Date : 10/24/2025 2:47 pm

Compound #5: MCPP





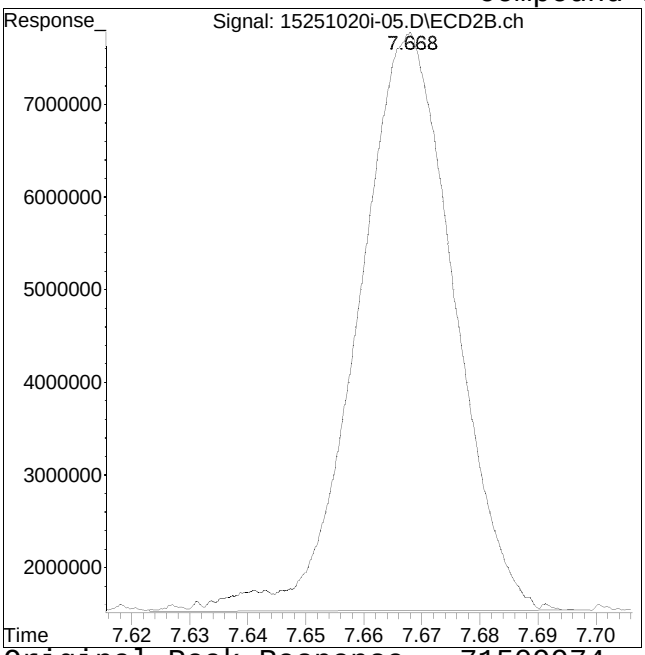
Original Peak Response = 201889637 Manual Peak Response = 199523941 M4
M4 = Poor automated baseline construction.

Manual Integration Report

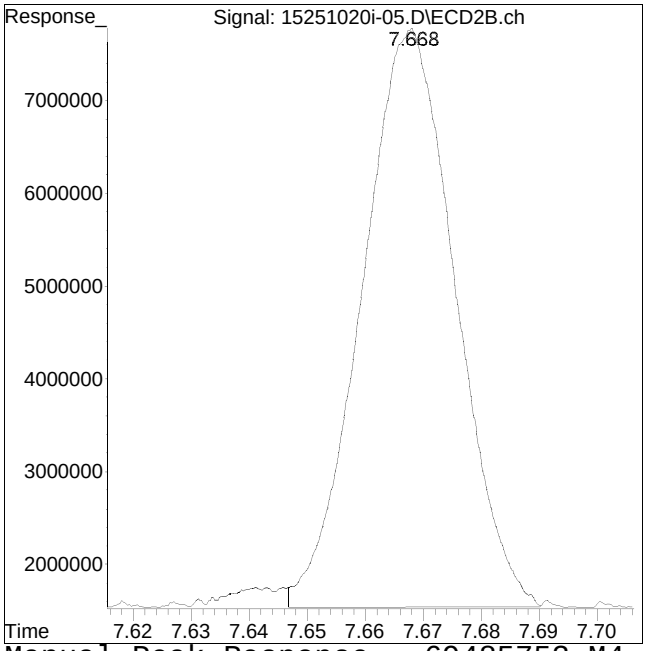
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-05.D
Date Inj'd : 10/20/2025 7:05
Sample : il4herb,42e,,pp 12244 L0.5

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:47 pm

Compound #18: MCPP #2



Original Peak Response = 71509974



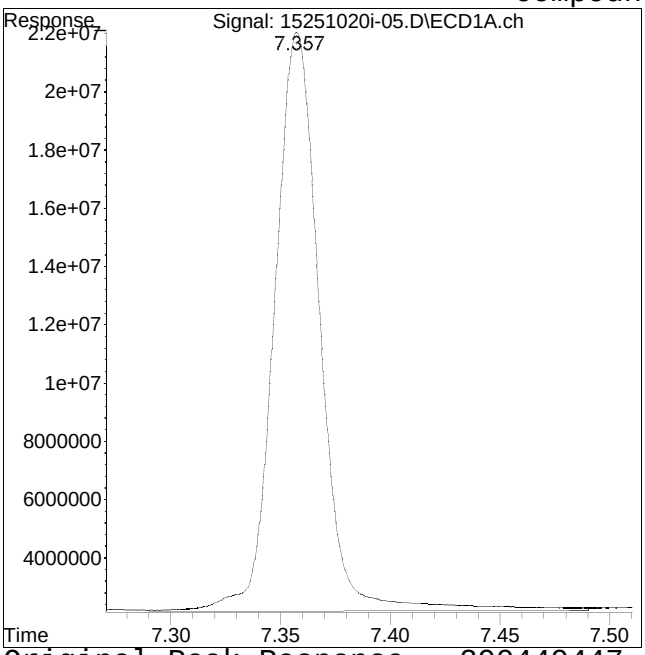
Manual Peak Response = 69485753 M4

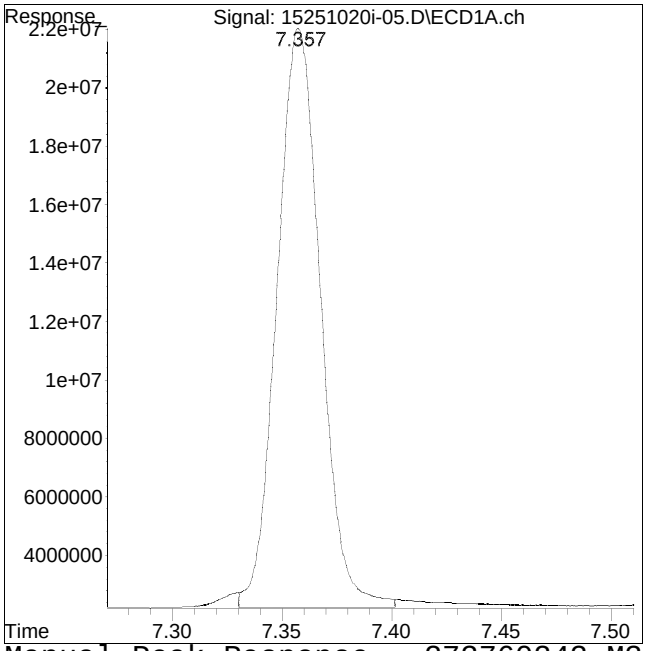
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-05.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:05 Instrument : Pest 15
Sample : il4herb,42e,,pp 12244 L0.5Quant Date : 10/24/2025 2:47 pm

Compound #6: MCPA



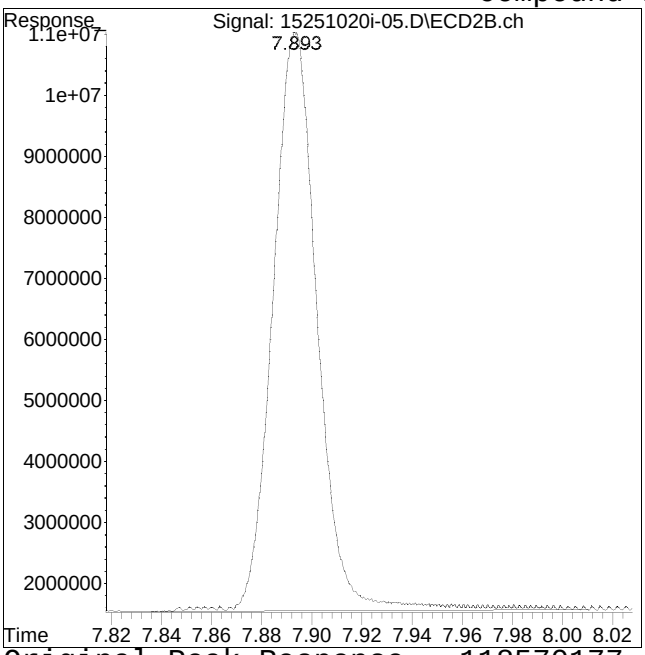


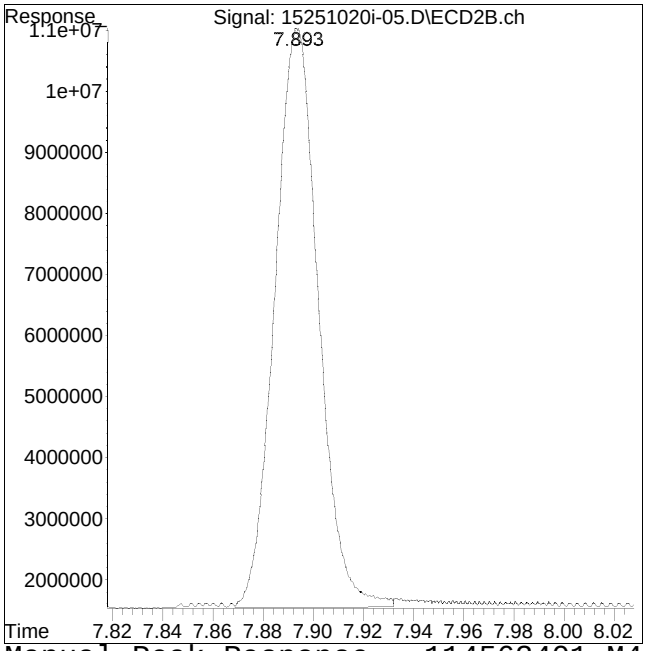
Original Peak Response = 290449447 Manual Peak Response = 273760243 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-05.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:05 Instrument : Pest 15
Sample : il4herb,42e,,pp 12244 L0.5Quant Date : 10/24/2025 2:47 pm

Compound #19: MCPA #2



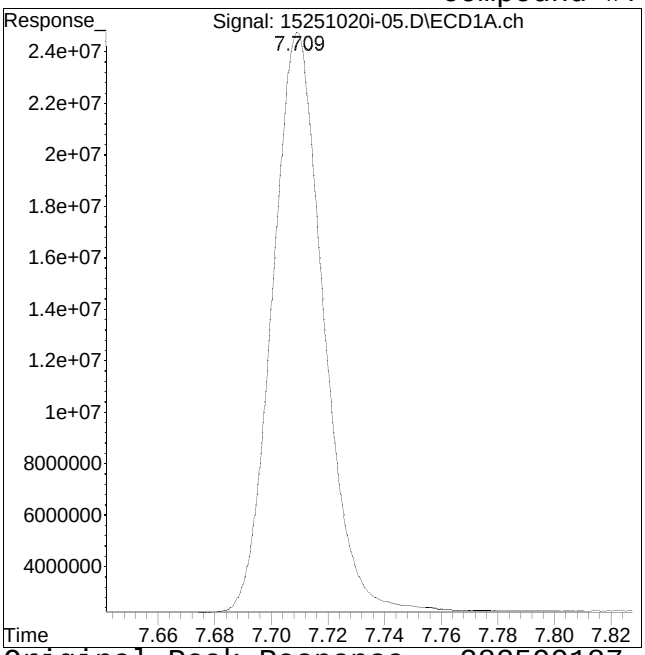


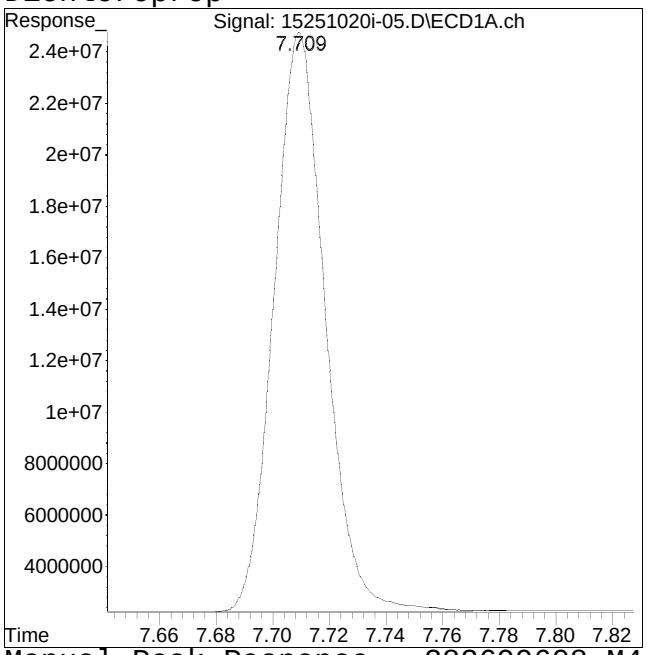
Original Peak Response = 118570177 Manual Peak Response = 114563401 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-05.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:05 Instrument : Pest 15
Sample : il4herb,42e,,pp 12244 L0.5Quant Date : 10/24/2025 2:47 pm

Compound #7: Dichloroprop



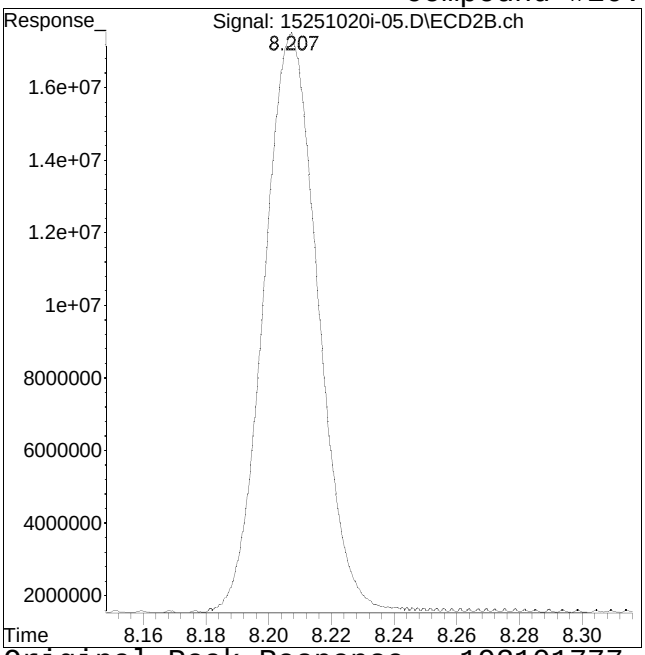


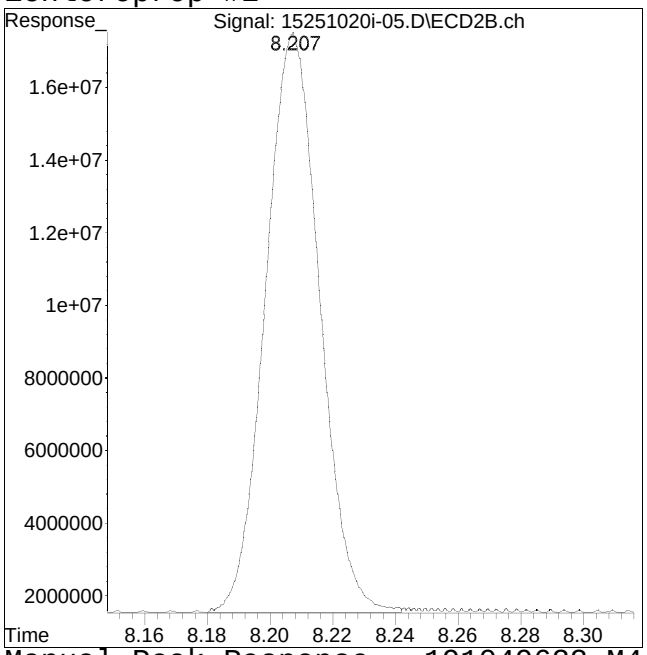
Original Peak Response = 282599187 Manual Peak Response = 282699608 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-05.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:05 Instrument : Pest 15
Sample : il4herb,42e,,pp 12244 L0.5Quant Date : 10/24/2025 2:47 pm

Compound #20: Dichloroprop #2





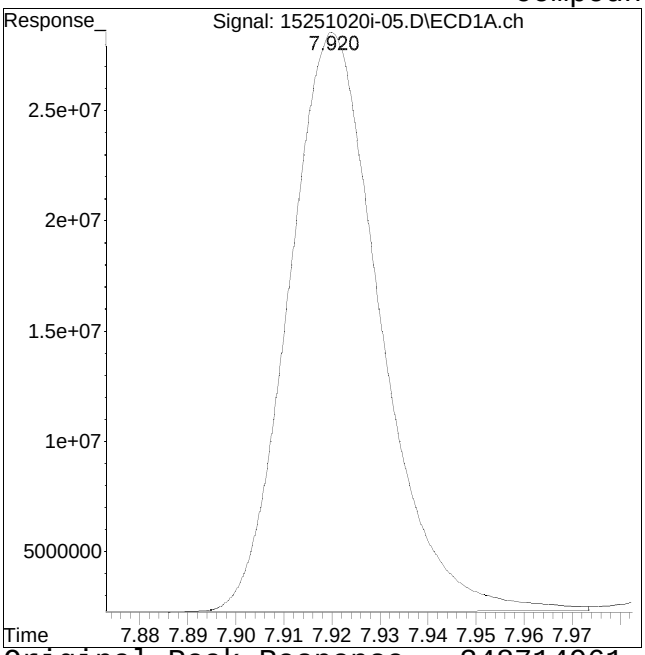
Original Peak Response = 193101777 Manual Peak Response = 191049622 M4
M4 = Poor automated baseline construction.

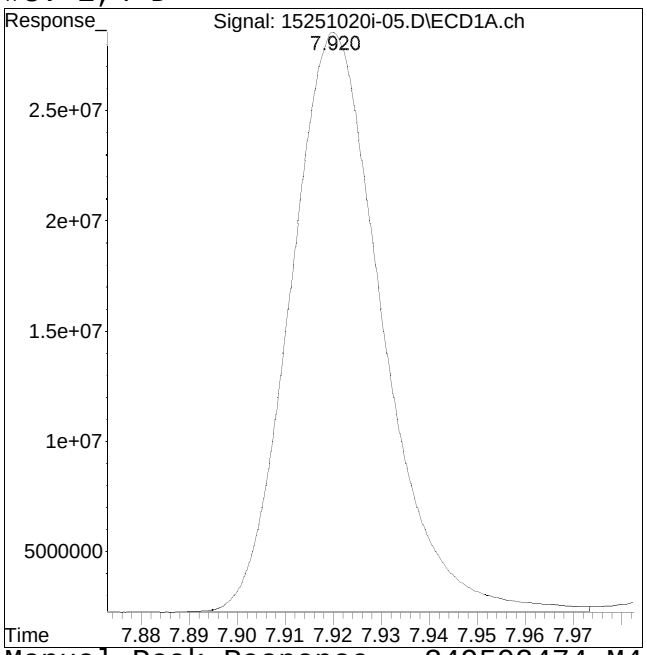
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-05.D
Date Inj'd : 10/20/2025 7:05
Sample : il4herb,42e,,pp 12244 L0.5

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:47 pm

Compound #8: 2,4-D



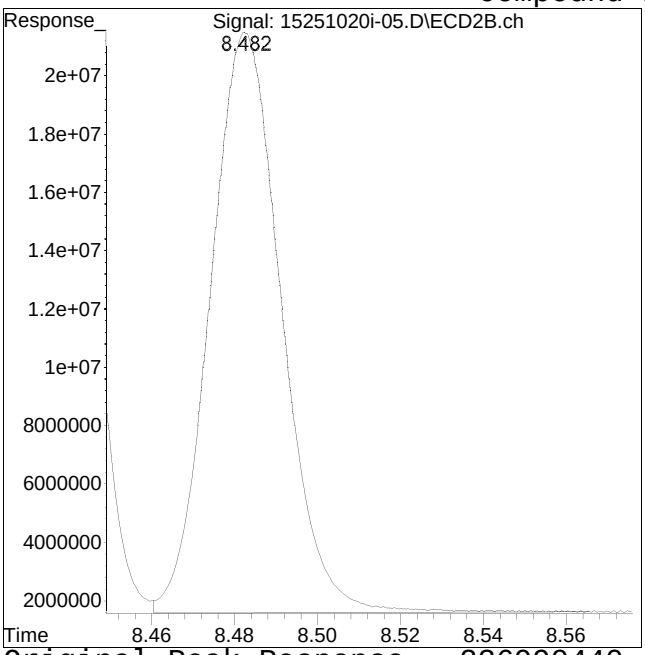


Original Peak Response = 348714961 Manual Peak Response = 349502474 M4
M4 = Poor automated baseline construction.

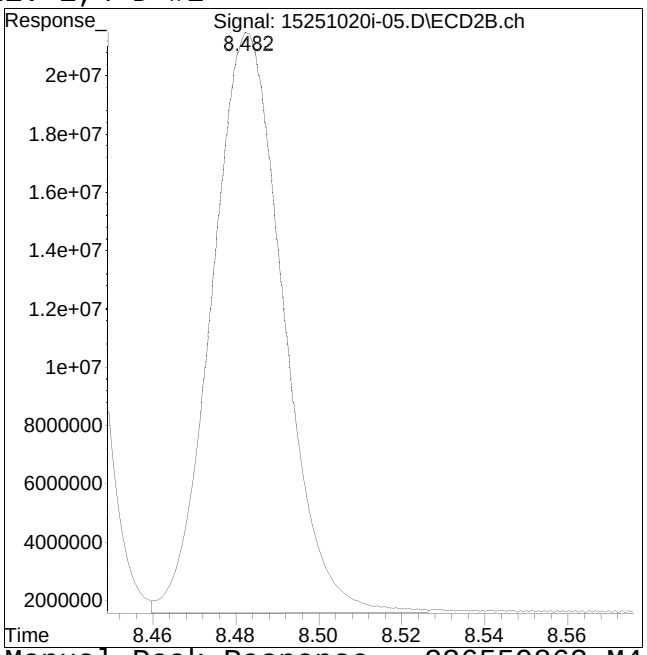
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-05.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:05 Instrument : Pest 15
Sample : il4herb,42e,,pp 12244 L0.5Quant Date : 10/24/2025 2:47 pm

Compound #21: 2,4-D #2



Original Peak Response = 236990440



Manual Peak Response = 236559862 M4

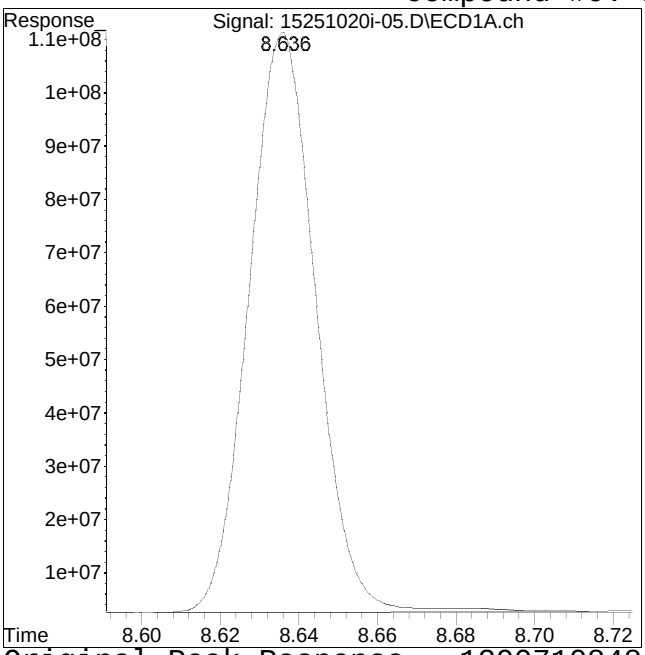
M4 = Poor automated baseline construction.

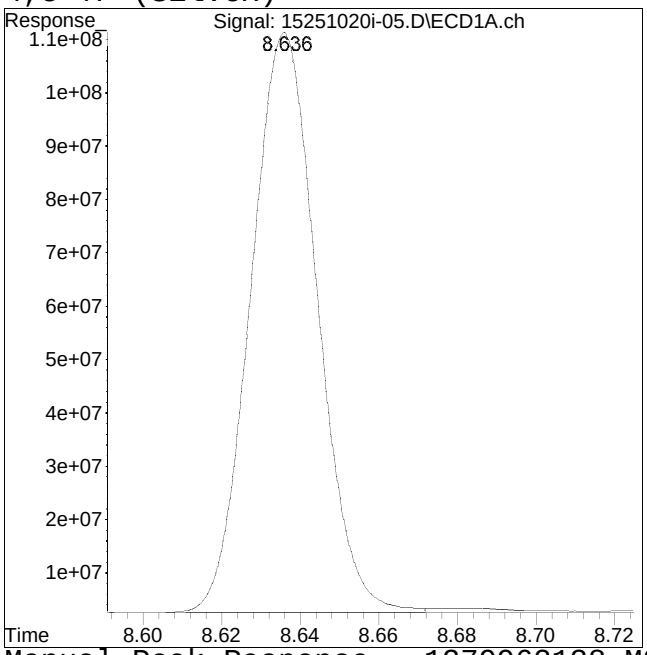
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-05.D
Date Inj'd : 10/20/2025 7:05
Sample : il4herb,42e,,pp 12244 L0.5

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:47 pm

Compound #9: 2,4,5-TP (Silvex)





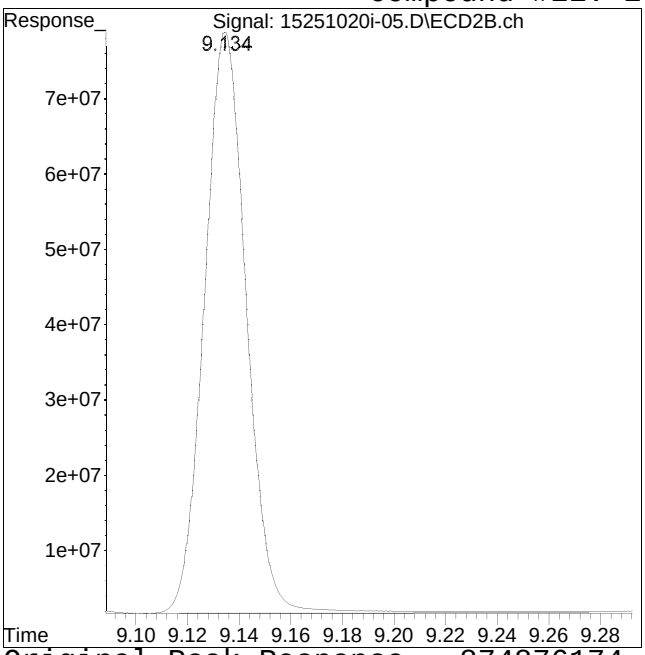
Original Peak Response = 1290710848 Manual Peak Response = 1279962138 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

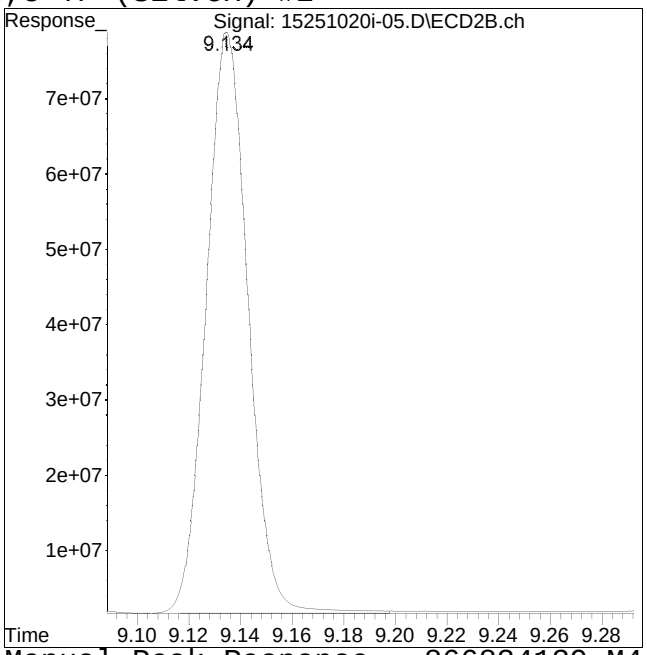
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-05.D
Date Inj'd : 10/20/2025 7:05
Sample : il4herb,42e,,pp 12244 L0.5

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:47 pm

Compound #22: 2,4,5-TP (Silvex) #2



Original Peak Response = 874876174



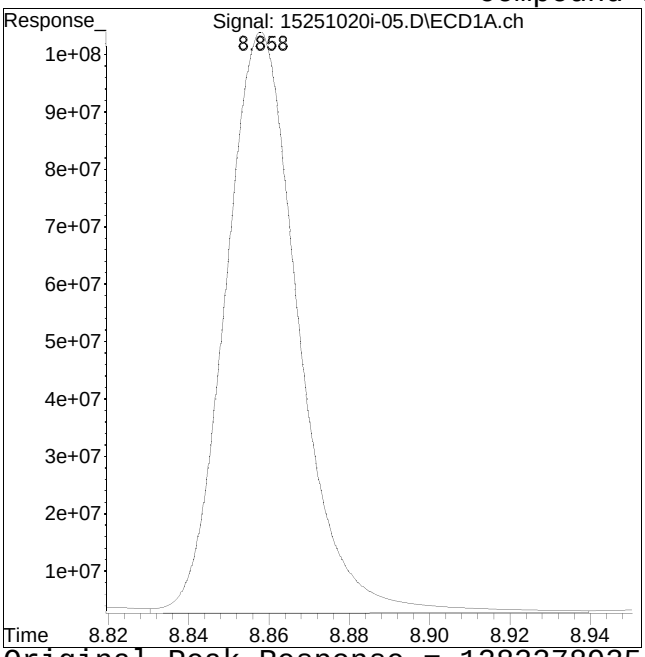
Manual Peak Response = 866834139 M4

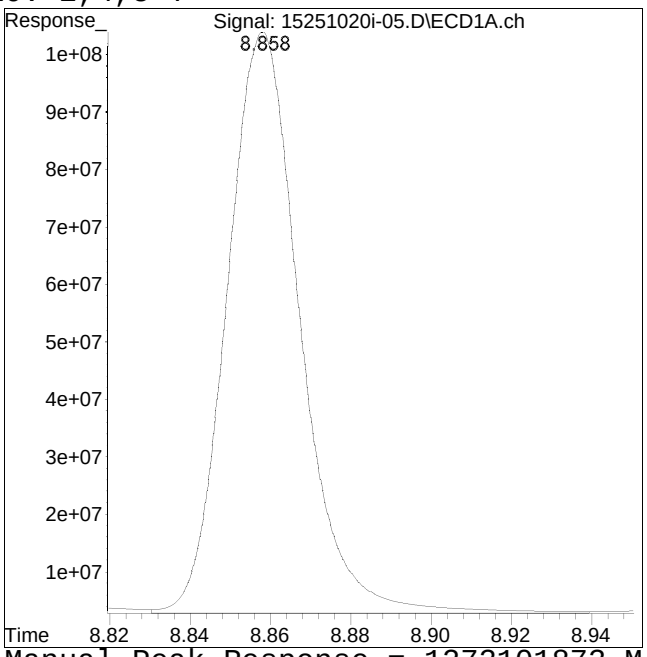
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-05.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:05 Instrument : Pest 15
Sample : il4herb,42e,,pp 12244 L0.5Quant Date : 10/24/2025 2:47 pm

Compound #10: 2,4,5-T





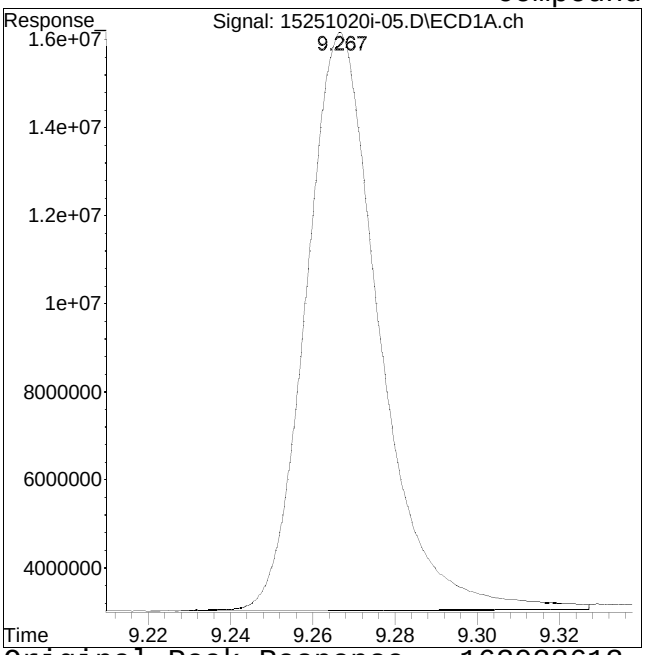
Original Peak Response = 1283378935 Manual Peak Response = 1273101873 M4
M4 = Poor automated baseline construction.

Manual Integration Report

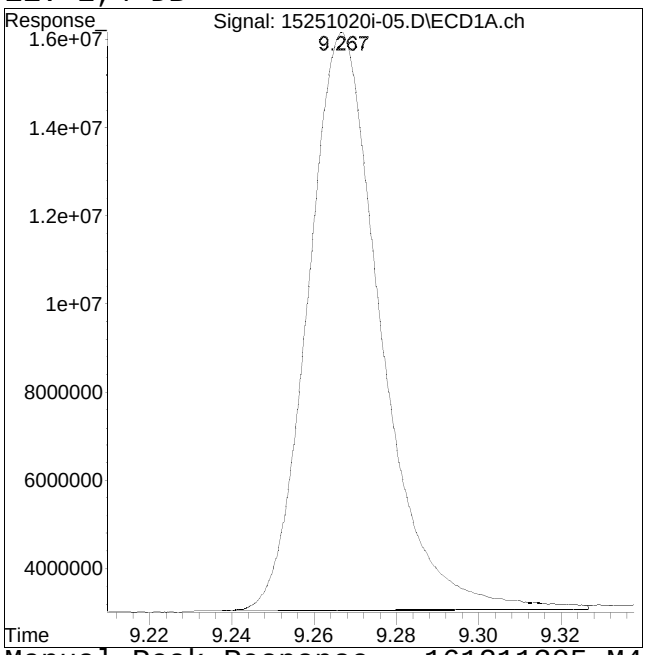
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-05.D
Date Inj'd : 10/20/2025 7:05
Sample : il4herb,42e,,pp 12244 L0.5

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:47 pm

Compound #11: 2,4-DB



Original Peak Response = 163023613



Manual Peak Response = 161211305 M4

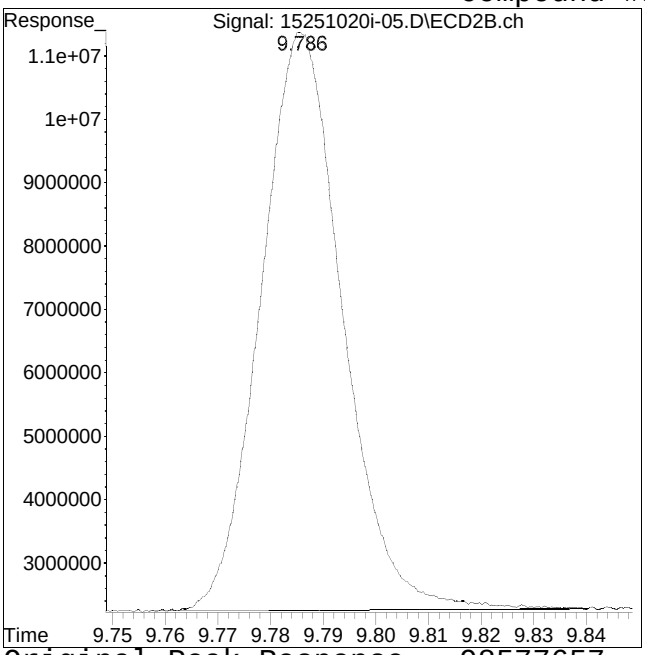
M4 = Poor automated baseline construction.

Manual Integration Report

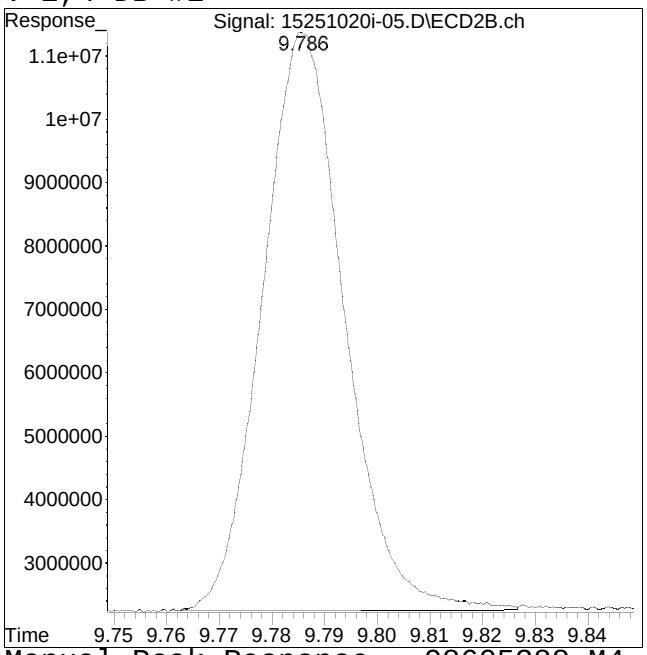
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-05.D
Date Inj'd : 10/20/2025 7:05
Sample : il4herb,42e,,pp 12244 L0.5

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:47 pm

Compound #24: 2,4-DB #2



Original Peak Response = 98577657



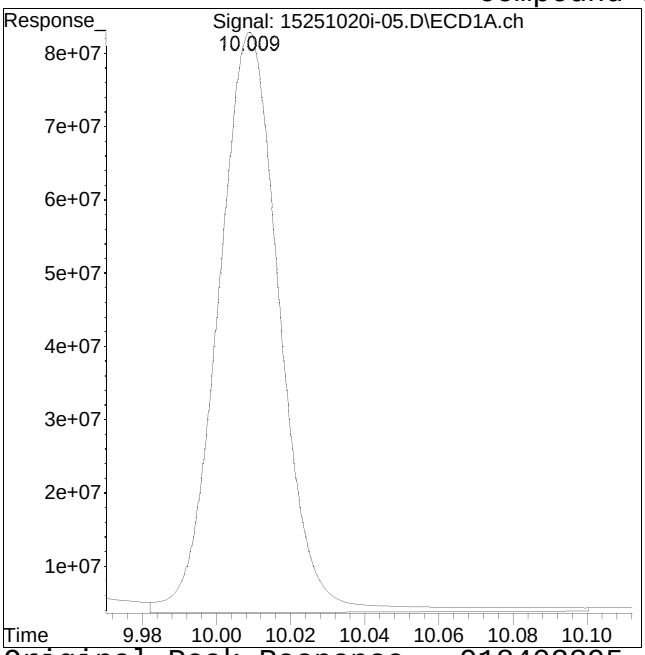
Manual Peak Response = 98605388 M4

M4 = Poor automated baseline construction.

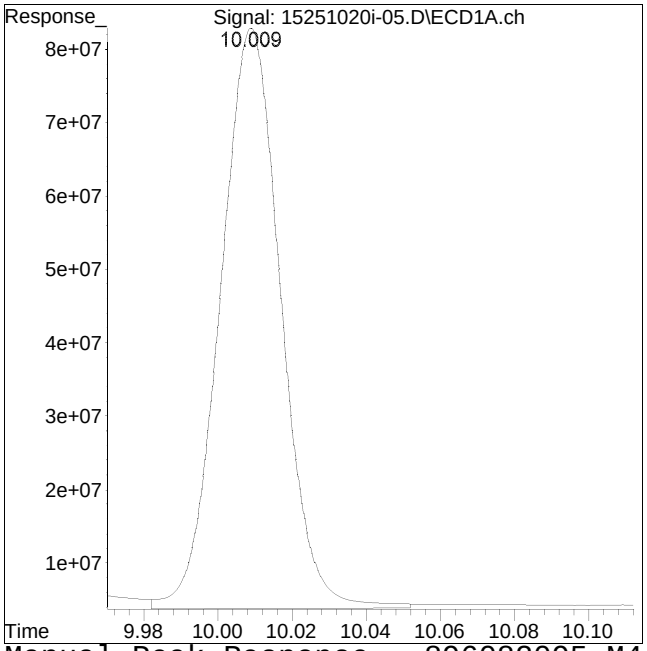
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-05.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:05 Instrument : Pest 15
Sample : il4herb,42e,,pp 12244 L0.5Quant Date : 10/24/2025 2:47 pm

Compound #12: Dinoseb



Original Peak Response = 918402395



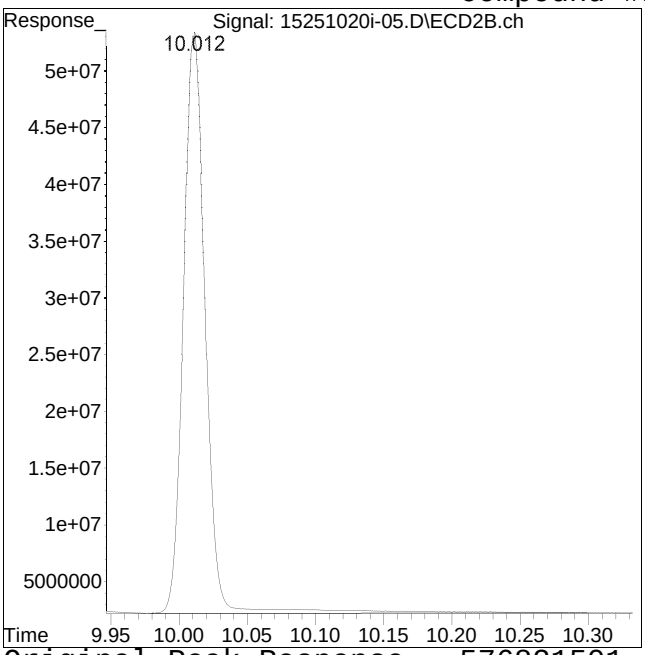
Manual Peak Response = 896082095 M4

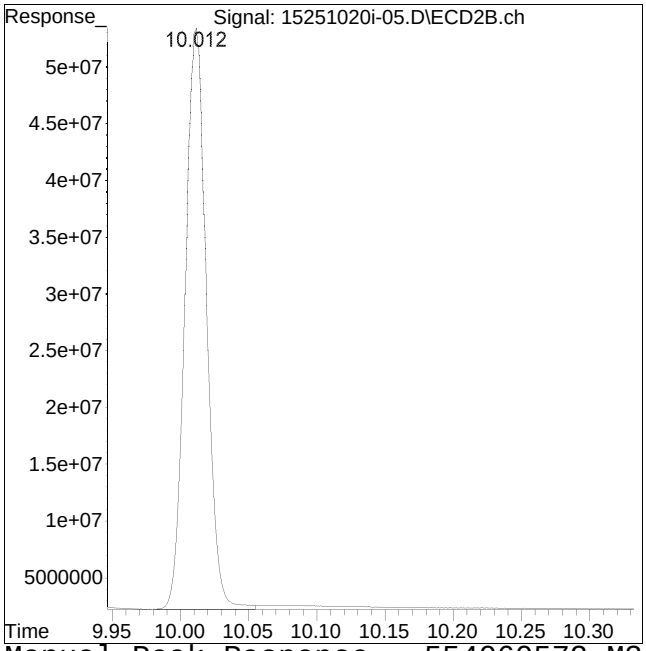
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-05.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:05 Instrument : Pest 15
Sample : il4herb,42e,,pp 12244 L0.5Quant Date : 10/24/2025 2:47 pm

Compound #25: Dinoseb #2





Original Peak Response = 576821501 Manual Peak Response = 554060572 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest15\2025\251020ICAL\
Data File : 15251020i-06.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 7:24
Operator : Pest15:ejl
Sample : il5herb,42e,,pp 12244 L1/100
Misc : WG2133146,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 24 14:51:24 2025
Quant Method : I:\PEST\Pest15\2025\251020ICAL\Herb15_2025_10_20_mgL_ICAL.m
Quant Title : herb
QLast Update : Fri Oct 24 14:50:35 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.362	8.435	918.0E6	576.7E6	0.250M3	0.250
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.836	7.382	570.9E6	400.2E6	0.822M4	0.847M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	164.40%#	169.40%#
		Target Compounds						
2)	t	Dalapon	2.074	2.177	688.6E6	566.8E6	0.851	0.867
4)	t	Dicamba	7.014	7.560	1710.5E6	1269.3E6	0.844M3	0.901M4
5)	t	MCPP	7.213	7.668	332.3E6	139.7E6	69.528M4	97.203M3
6)	t	MCPA	7.358	7.894	447.4E6	213.8E6	65.847M3	86.224M3
7)	t	Dichloroprop	7.708	8.207	521.2E6	350.4E6	0.817M4	0.849M4
8)	t	2,4-D	7.917	8.482	654.7E6	444.5E6	0.839M4	0.865M4
9)	t	2,4,5-TP (Si	8.635	9.135	2411.1E6	1668.0E6	0.856M3	0.916M3
10)	t	2,4,5-T	8.856	9.425	2417.7E6	1629.7E6	0.863M4	0.935M4
11)	t	2,4-DB	9.264	9.786	366.7E6	223.6E6	1.239M4	1.233M4
12)	t	Dinoseb	10.009	10.012	1714.4E6	1080.2E6	0.867M4	0.932M3
		SemiQuant Compounds - Not Calibrated on this Instrument						

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest15\2025\251020ICAL\
Data File : 15251020i-06.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 7:24
Operator : Pest15:ejl
Sample : il5herb,42e,,pp 12244 L1/100
Misc : WG2133146,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 24 14:51:24 2025
Quant Method : I:\PEST\Pest15\2025\251020ICAL\Herb15_2025_10_20_mgL_ICAL.m
Quant Title : herb
QLast Update : Fri Oct 24 14:50:35 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

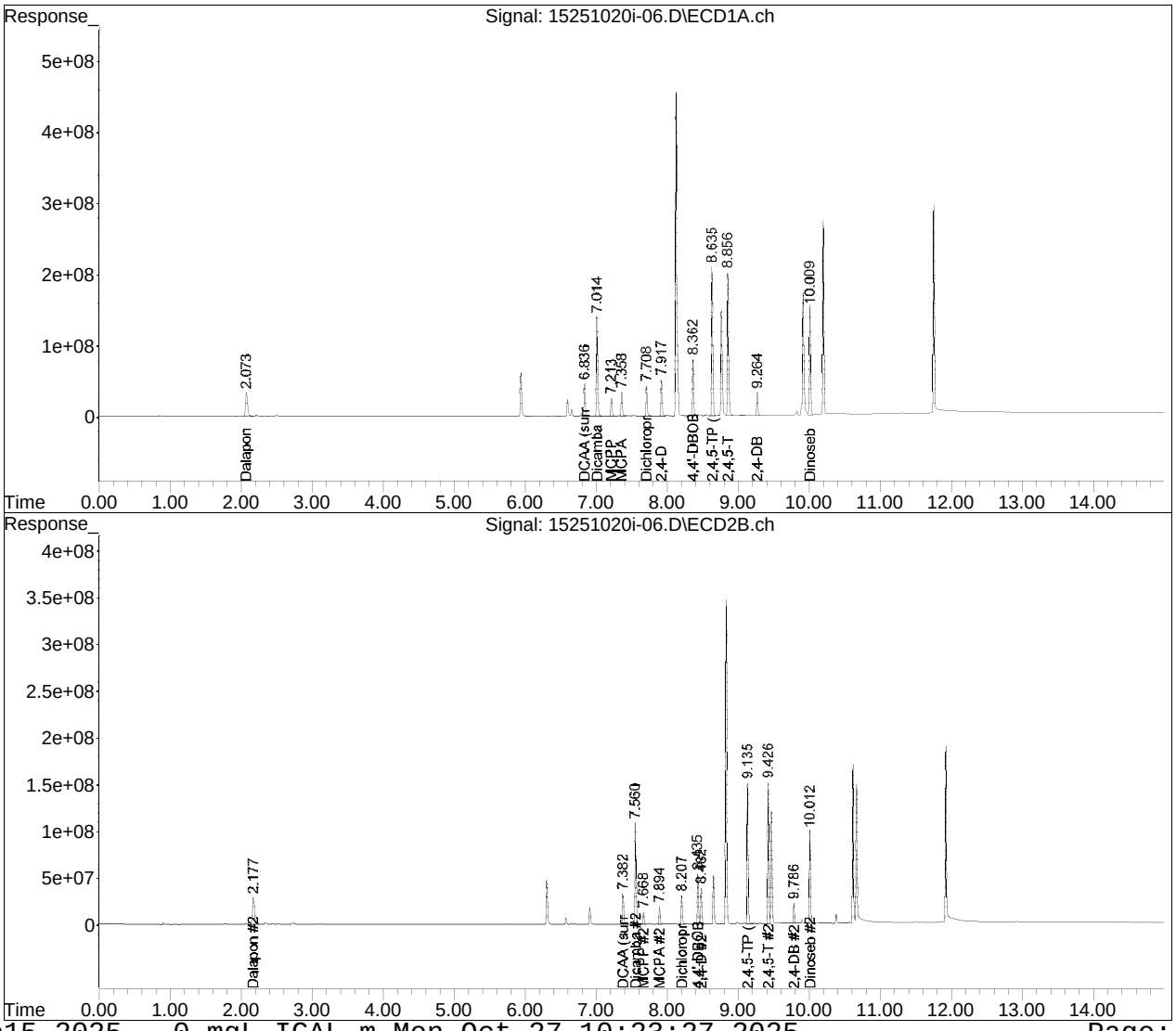
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest15\2025\251020ICAL\
Data File : 15251020i-06.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 7:24
Operator : Pest15:ejl
Sample : il5herb,42e,,pp 12244 L1/100
Misc : WG2133146,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 24 14:51:24 2025
Quant Method : I:\PEST\Pest15\2025\251020ICAL\Herb15_2025_10_20_mgL_ICAL.m
Quant Title : herb
QLast Update : Fri Oct 24 14:50:35 2025
Response via : Initial Calibration
Integrator: ChemStation

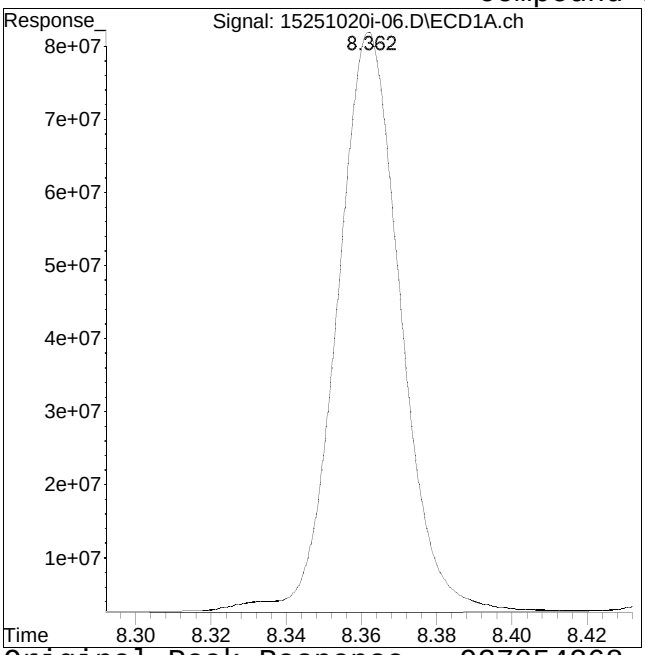
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

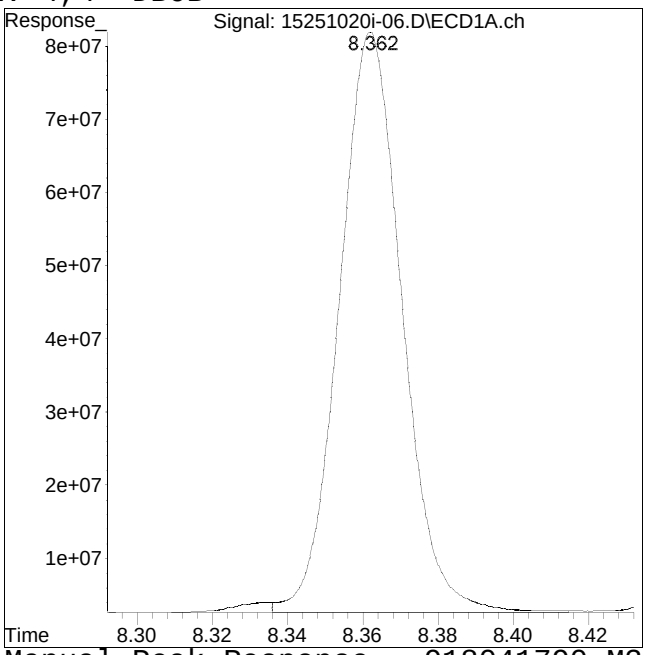


Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-06.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:24 Instrument : Pest 15
Sample : il5herb,42e,,pp 12244 L1/1Quant Date : 10/24/2025 2:51 pm

Compound #1: 4,4'-DBOB





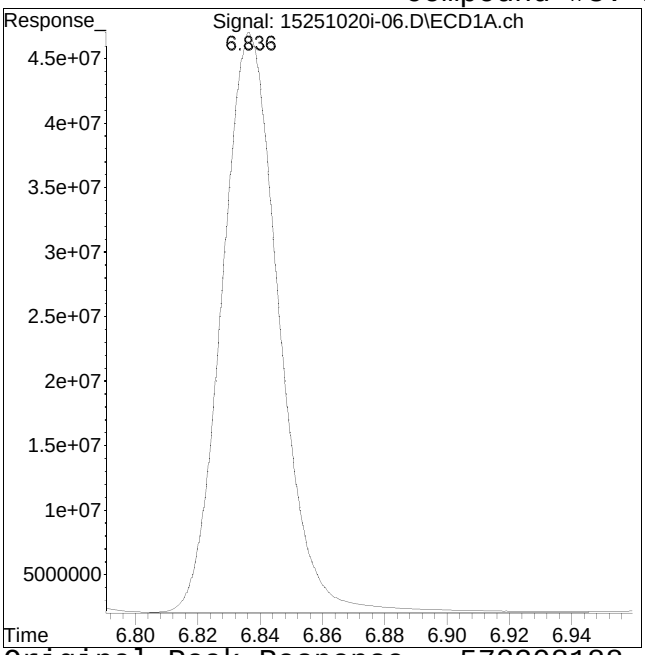
Original Peak Response = 937054268 Manual Peak Response = 918041790 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

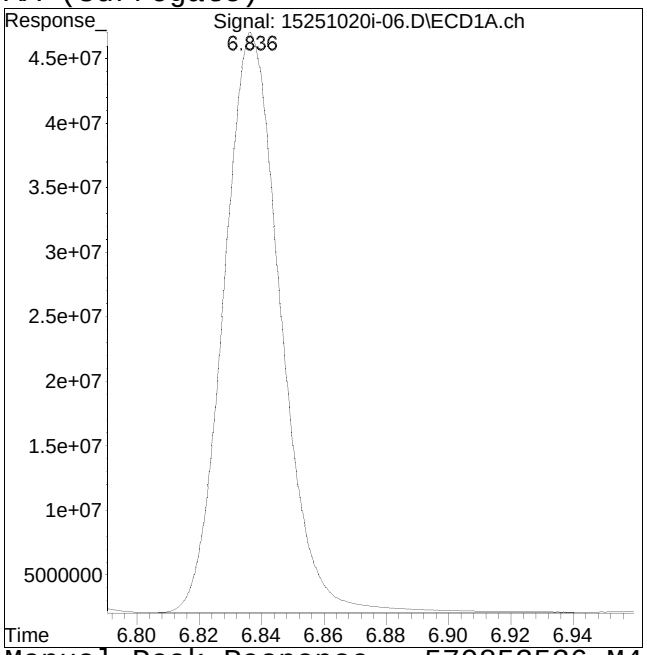
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-06.D
Date Inj'd : 10/20/2025 7:24
Sample : il5herb,42e,,pp 12244 L1/1

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:51 pm

Compound #3: DCAA (surrogate)



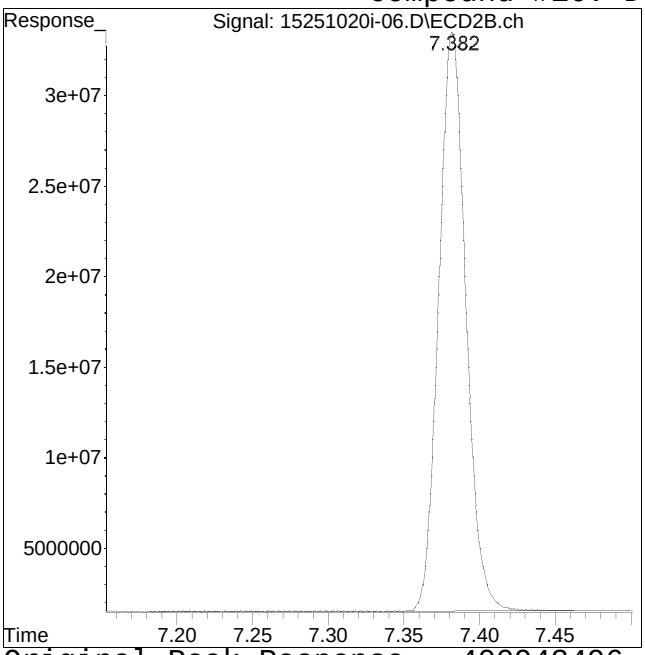


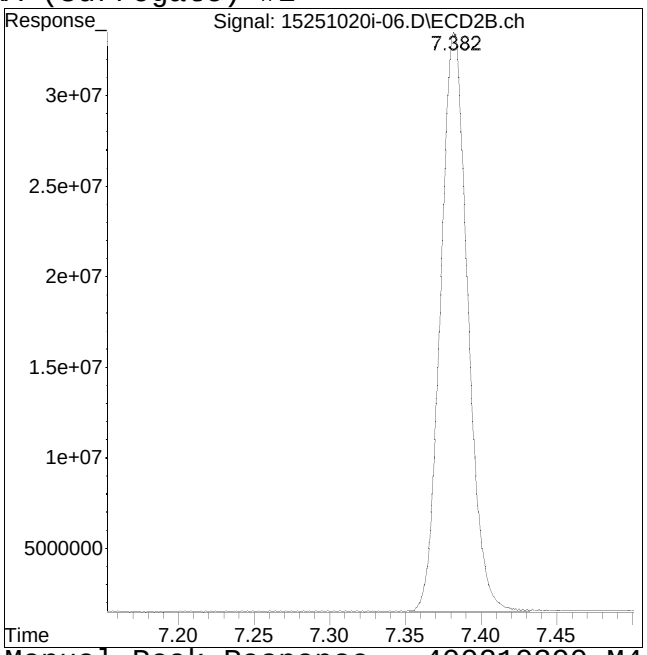
Original Peak Response = 573308188 Manual Peak Response = 570853536 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-06.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:24 Instrument : Pest 15
Sample : il5herb,42e,,pp 12244 L1/1Quant Date : 10/24/2025 2:51 pm

Compound #16: DCAA (surrogate) #2



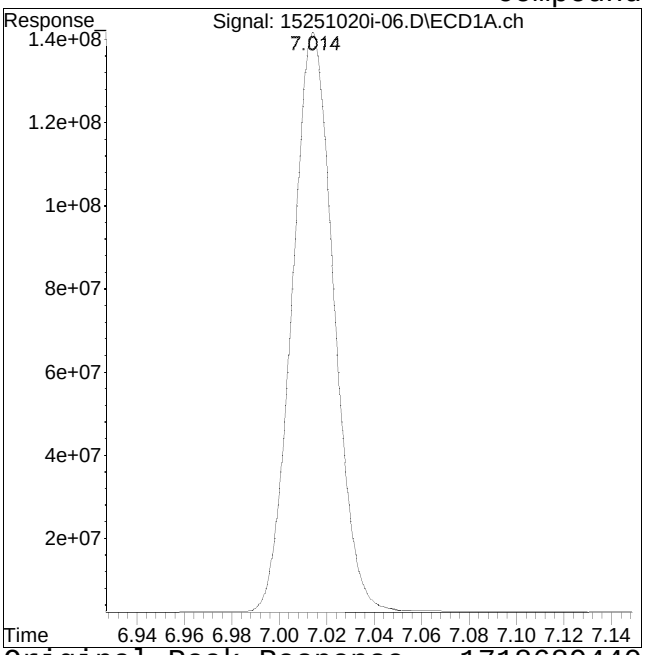


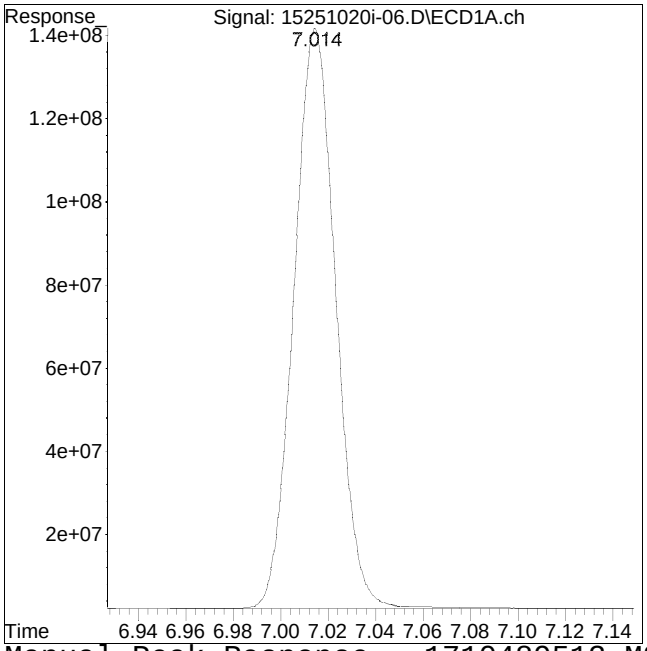
Original Peak Response = 400943496 Manual Peak Response = 400210390 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-06.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:24 Instrument : Pest 15
Sample : il5herb,42e,,pp 12244 L1/1Quant Date : 10/24/2025 2:51 pm

Compound #4: Dicamba



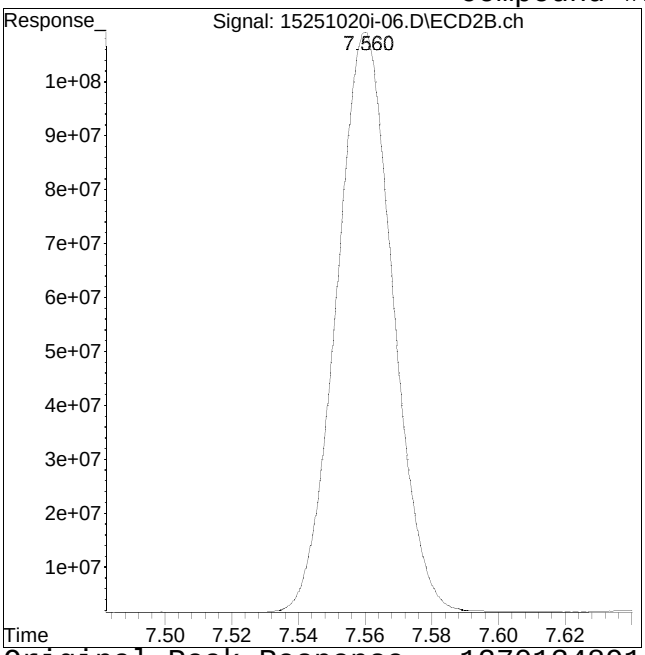


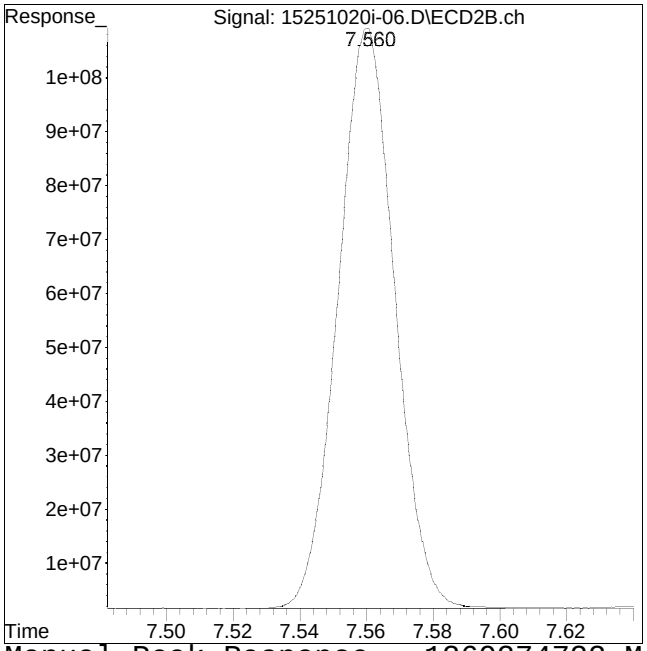
Original Peak Response = 1718689440 Manual Peak Response = 1710489513 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-06.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:24 Instrument : Pest 15
Sample : il5herb,42e,,pp 12244 L1/1Quant Date : 10/24/2025 2:51 pm

Compound #17: Dicamba #2



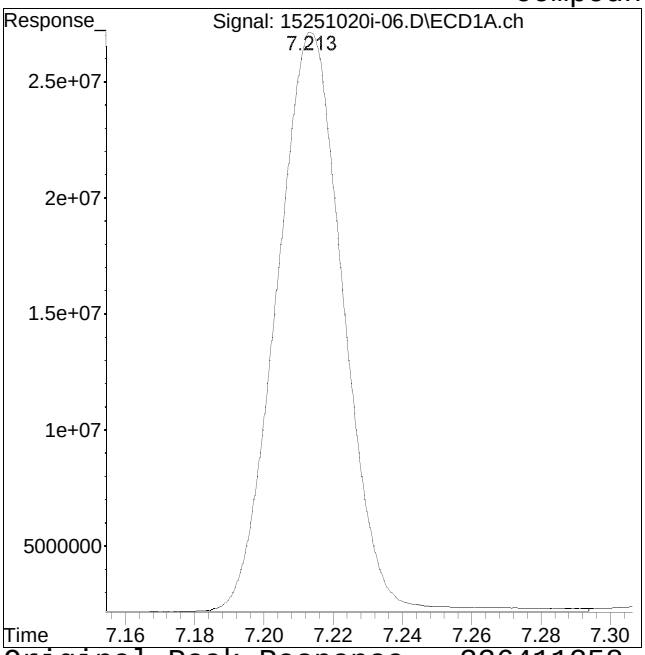


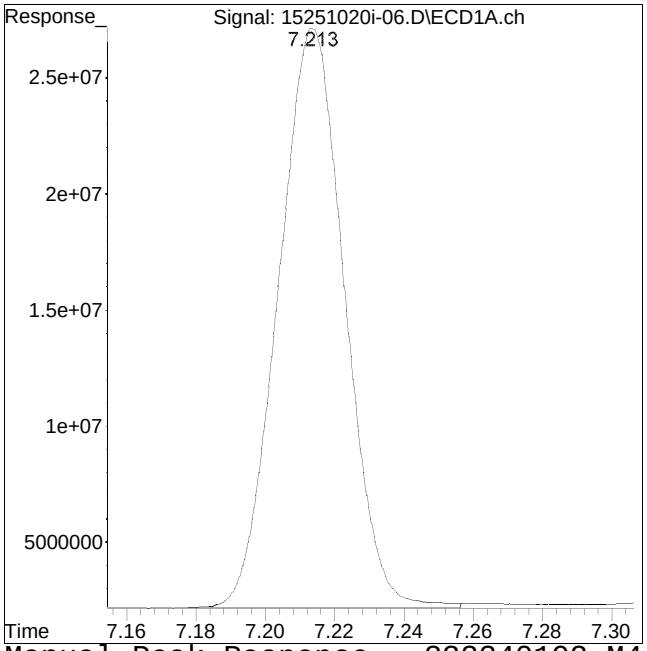
Original Peak Response = 1270134891 Manual Peak Response = 1269274722 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-06.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:24 Instrument : Pest 15
Sample : il5herb,42e,,pp 12244 L1/1Quant Date : 10/24/2025 2:51 pm

Compound #5: MCPP



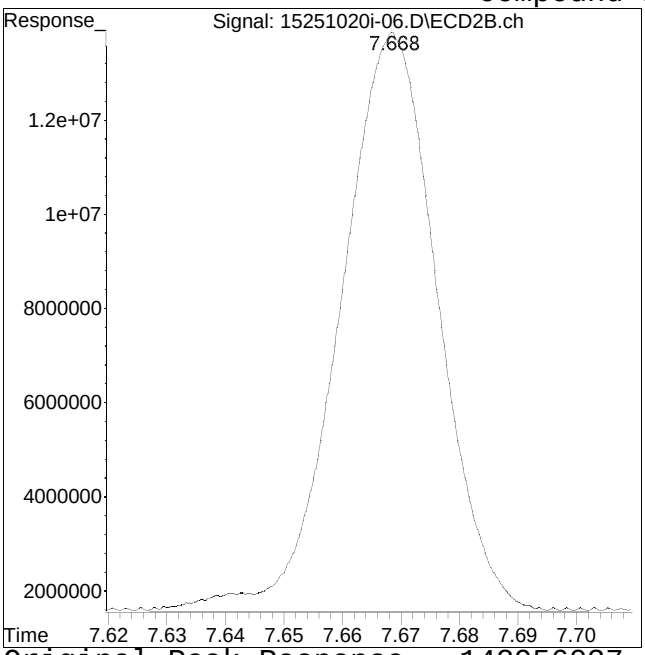


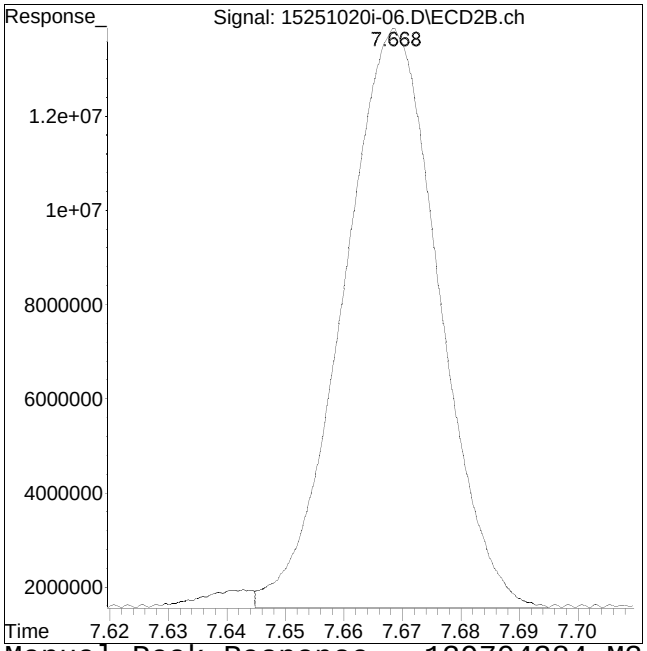
Original Peak Response = 336411258 Manual Peak Response = 332340192 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-06.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:24 Instrument : Pest 15
Sample : il5herb,42e,,pp 12244 L1/1Quant Date : 10/24/2025 2:51 pm

Compound #18: MCPP #2



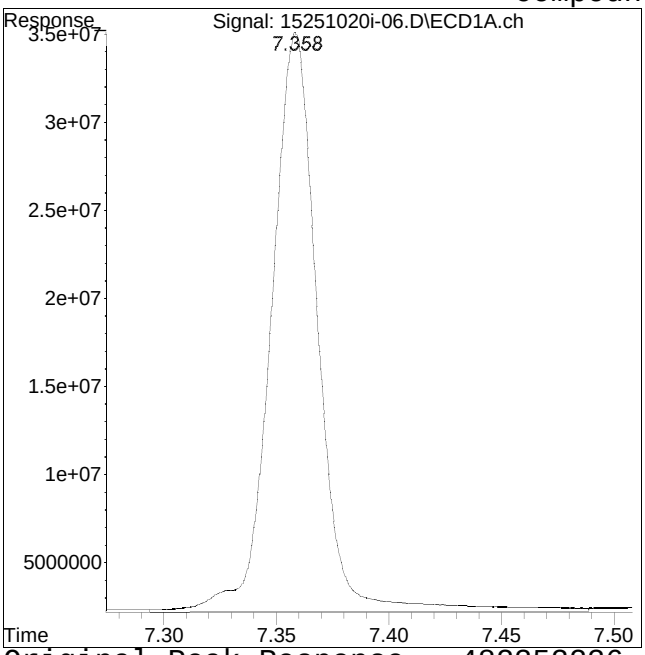


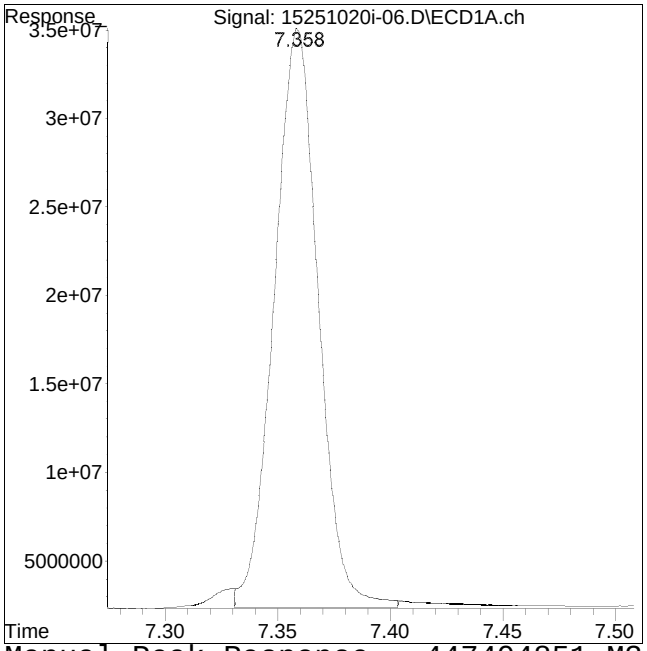
Original Peak Response = 142956037 Manual Peak Response = 139704384 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-06.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:24 Instrument : Pest 15
Sample : il5herb,42e,,pp 12244 L1/1Quant Date : 10/24/2025 2:51 pm

Compound #6: MCPA



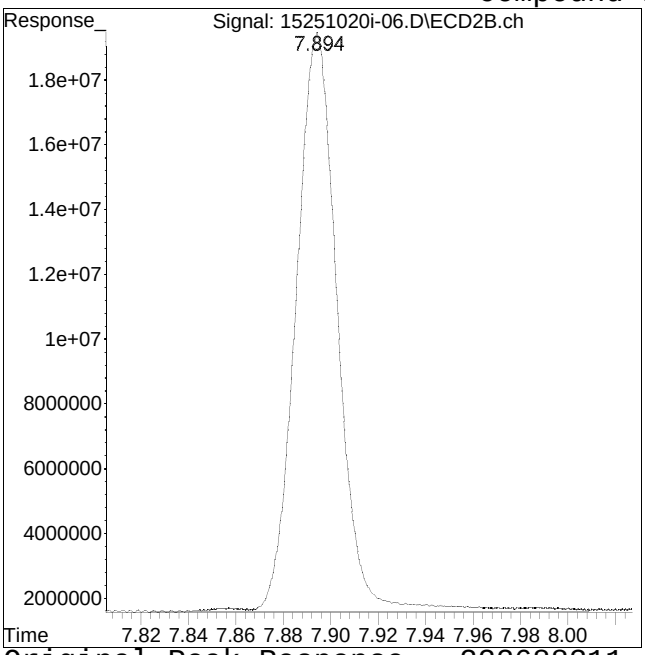


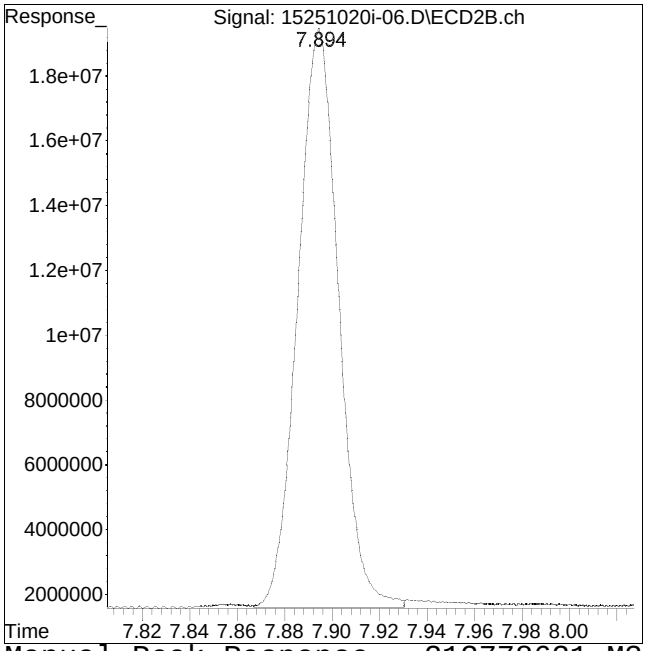
Original Peak Response = 482352236 Manual Peak Response = 447404851 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-06.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:24 Instrument : Pest 15
Sample : il5herb,42e,,pp 12244 L1/1Quant Date : 10/24/2025 2:51 pm

Compound #19: MCPA #2





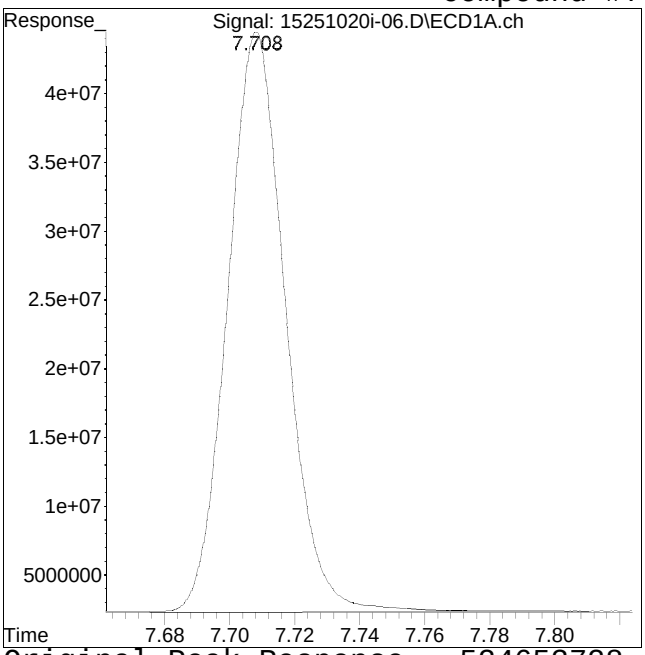
Original Peak Response = 222688311 Manual Peak Response = 213778631 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

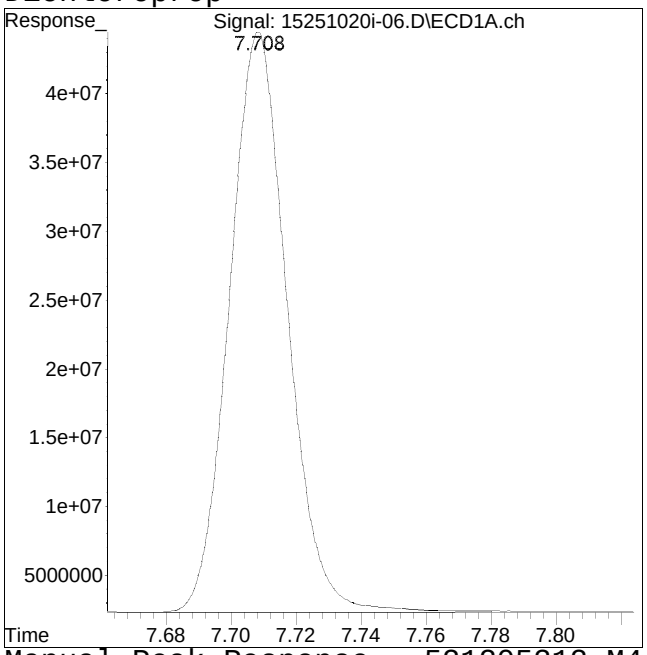
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-06.D
Date Inj'd : 10/20/2025 7:24
Sample : il5herb,42e,,pp 12244 L1/1

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:51 pm

Compound #7: Dichloroprop



Original Peak Response = 524653728



Manual Peak Response = 521205312 M4

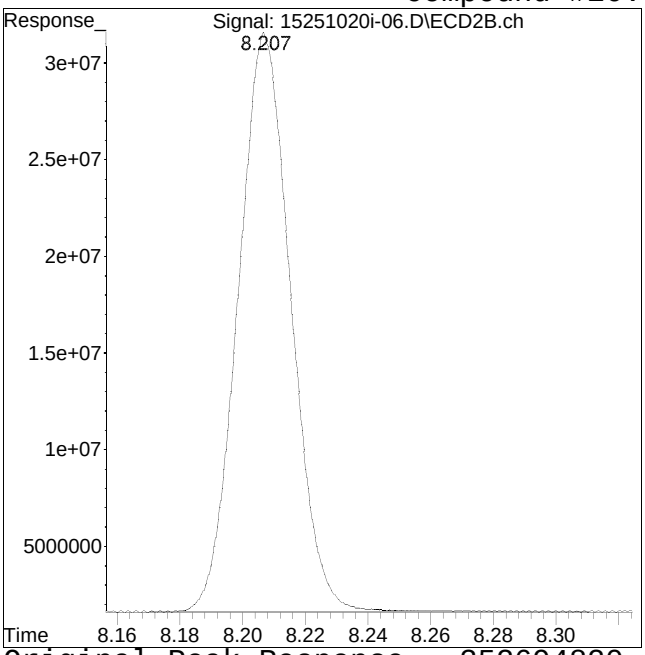
M4 = Poor automated baseline construction.

Manual Integration Report

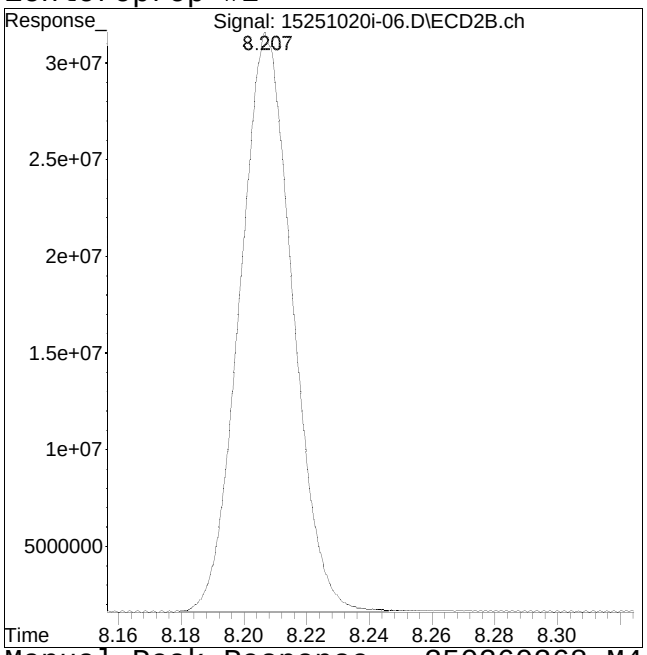
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-06.D
Date Inj'd : 10/20/2025 7:24
Sample : il5herb,42e,,pp 12244 L1/1

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:51 pm

Compound #20: Dichloroprop #2



Original Peak Response = 352694820



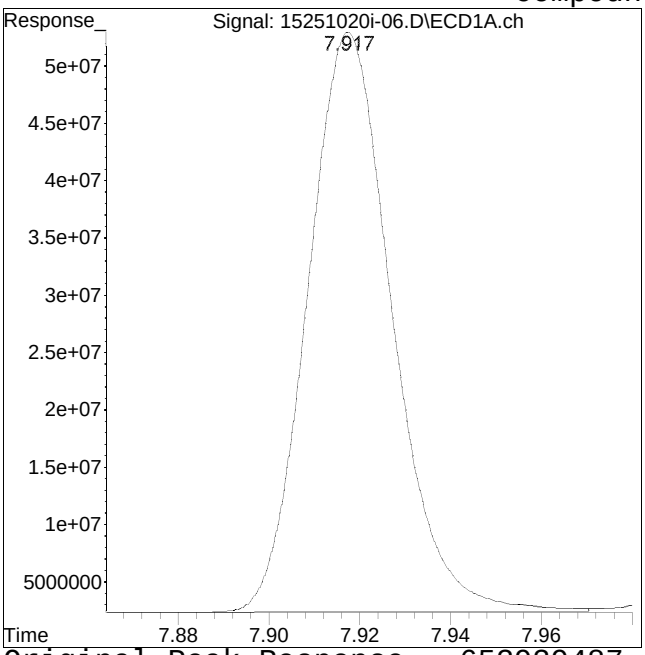
Manual Peak Response = 350360368 M4

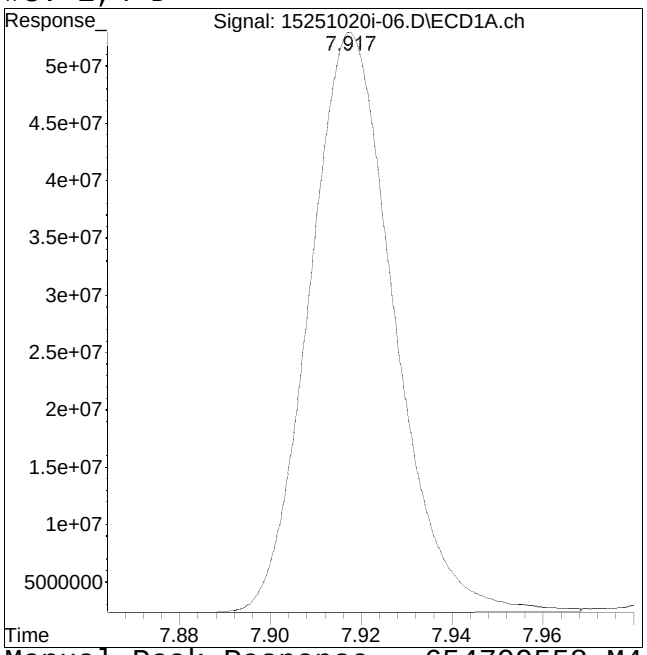
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-06.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:24 Instrument : Pest 15
Sample : il5herb,42e,,pp 12244 L1/1Quant Date : 10/24/2025 2:51 pm

Compound #8: 2,4-D





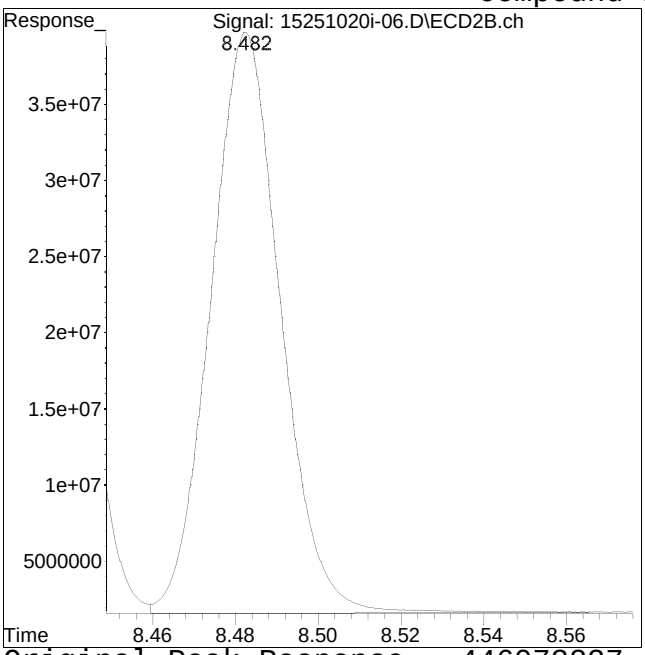
Original Peak Response = 653939487 Manual Peak Response = 654709558 M4
M4 = Poor automated baseline construction.

Manual Integration Report

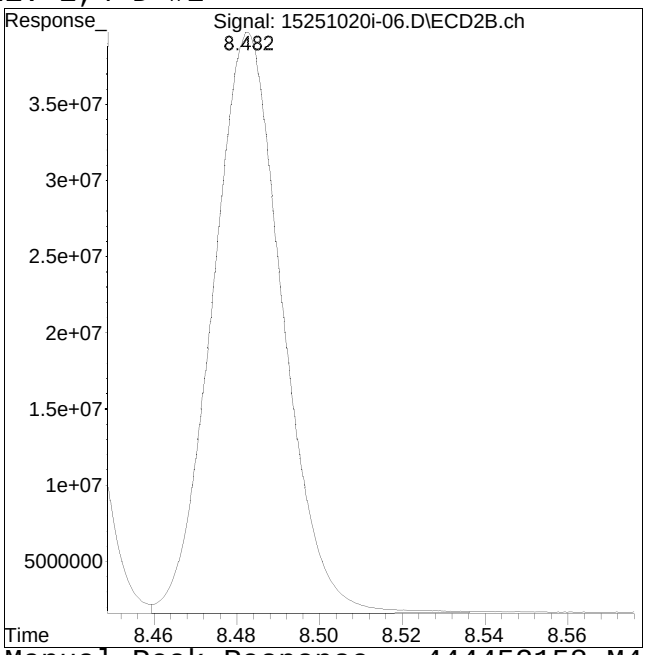
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-06.D
Date Inj'd : 10/20/2025 7:24
Sample : il5herb,42e,,pp 12244 L1/1

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:51 pm

Compound #21: 2,4-D #2



Original Peak Response = 446073227



Manual Peak Response = 444452158 M4

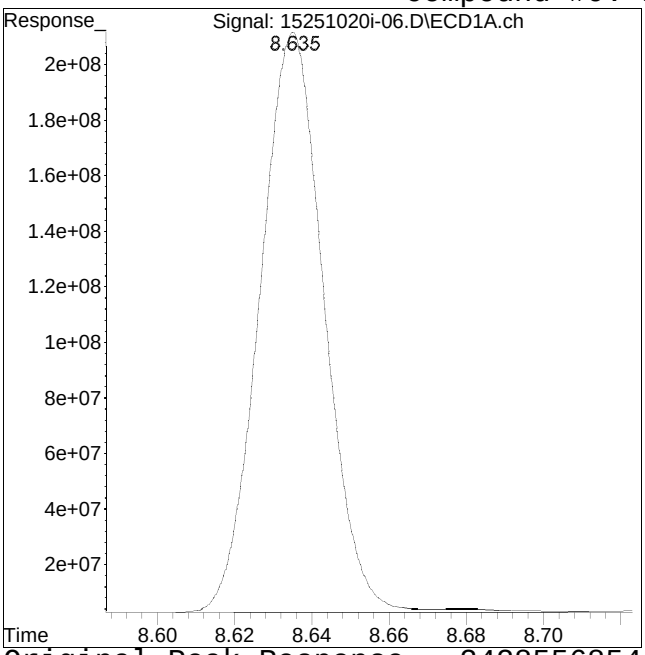
M4 = Poor automated baseline construction.

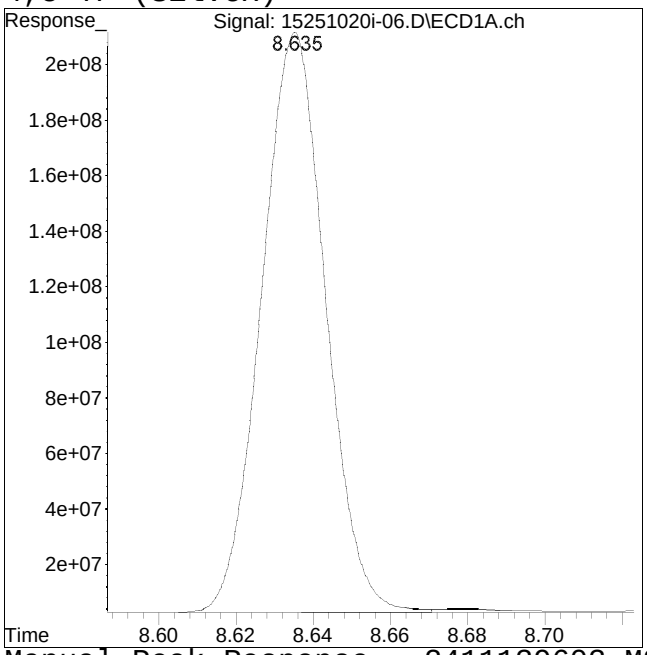
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-06.D
Date Inj'd : 10/20/2025 7:24
Sample : il5herb,42e,,pp 12244 L1/1

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:51 pm

Compound #9: 2,4,5-TP (Silvex)





Original Peak Response = 2428556854 Manual Peak Response = 2411139603 M3

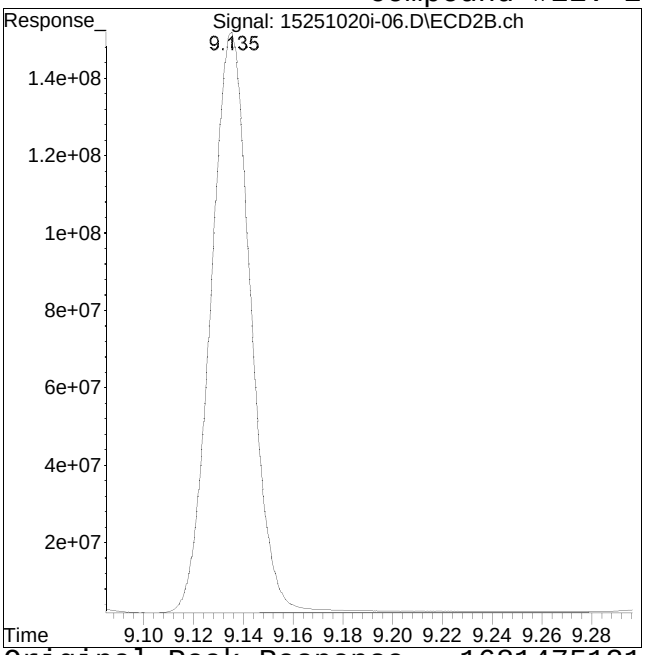
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

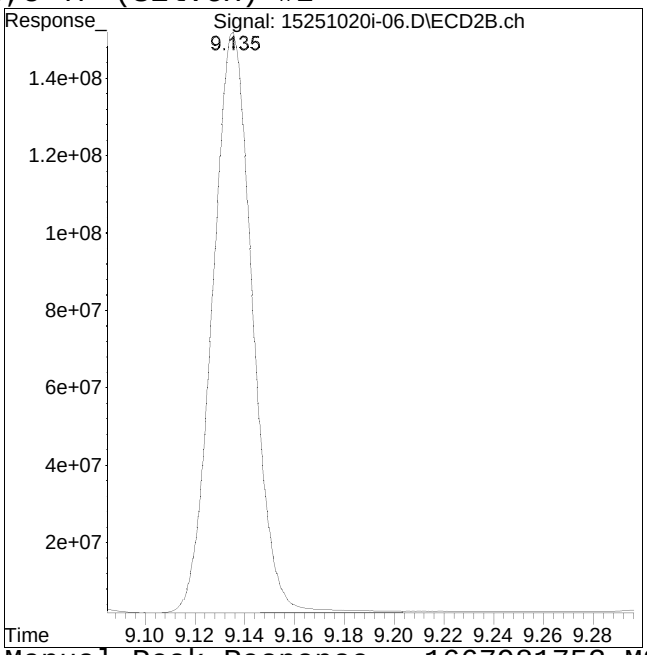
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-06.D
Date Inj'd : 10/20/2025 7:24
Sample : il5herb,42e,,pp 12244 L1/1

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:51 pm

Compound #22: 2,4,5-TP (Silvex) #2



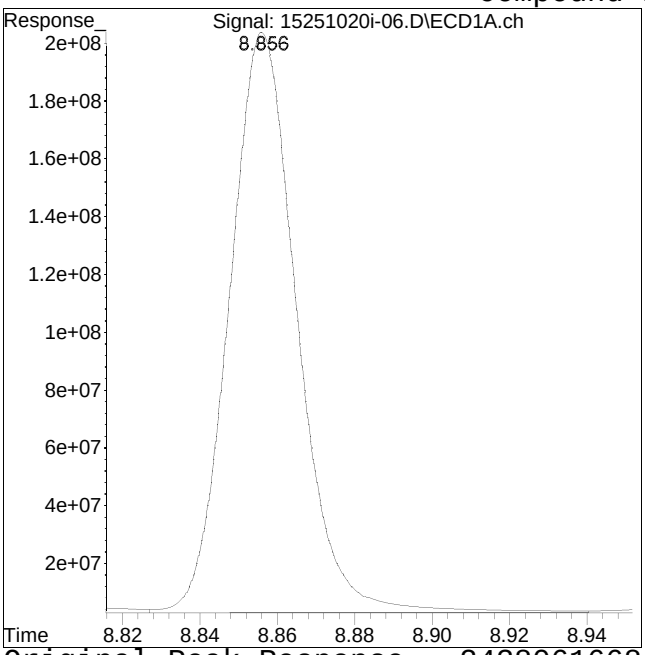


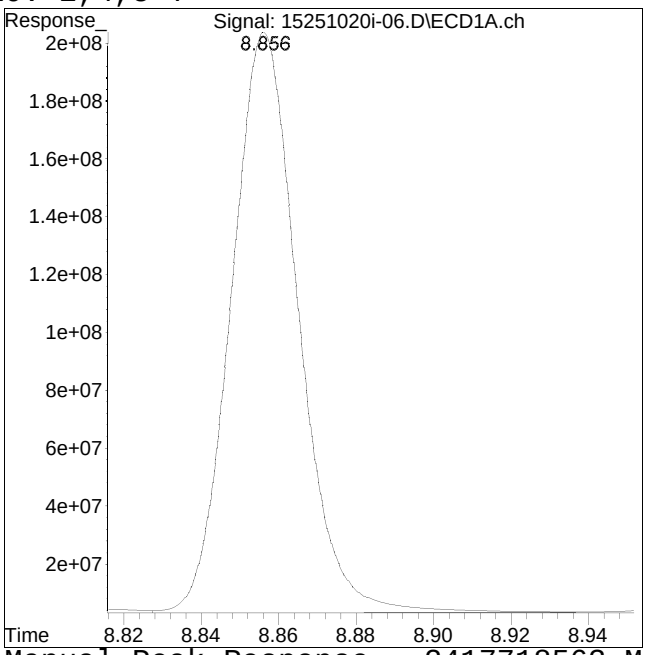
Original Peak Response = 1681475121 Manual Peak Response = 1667981753 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-06.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:24 Instrument : Pest 15
Sample : il5herb,42e,,pp 12244 L1/1Quant Date : 10/24/2025 2:51 pm

Compound #10: 2,4,5-T





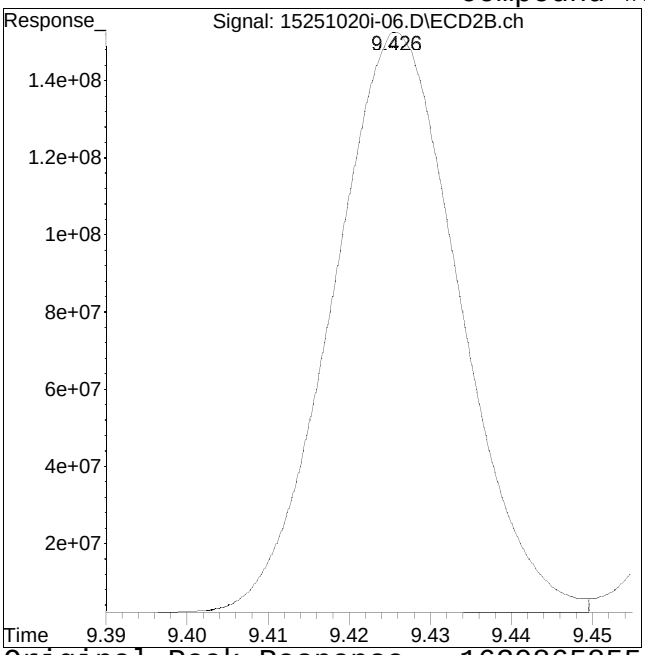
Original Peak Response = 2438061668 Manual Peak Response = 2417718563 M4
M4 = Poor automated baseline construction.

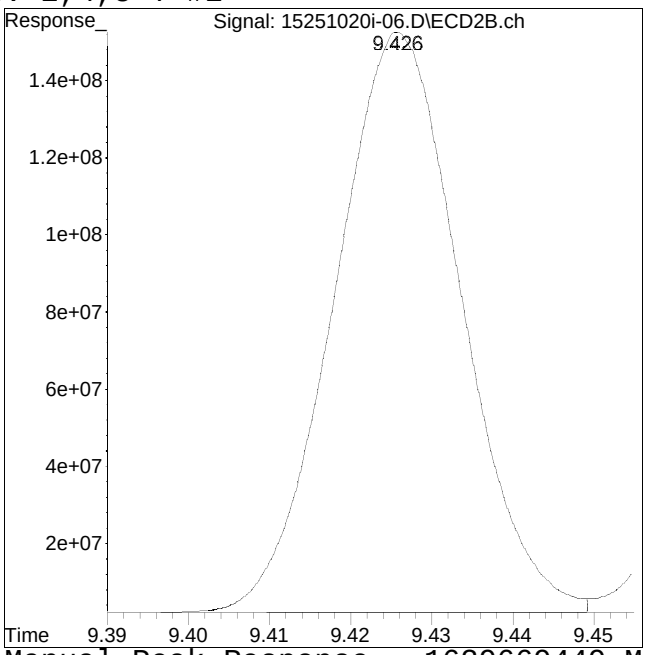
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-06.D
Date Inj'd : 10/20/2025 7:24
Sample : il5herb,42e,,pp 12244 L1/1

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:51 pm

Compound #23: 2,4,5-T #2



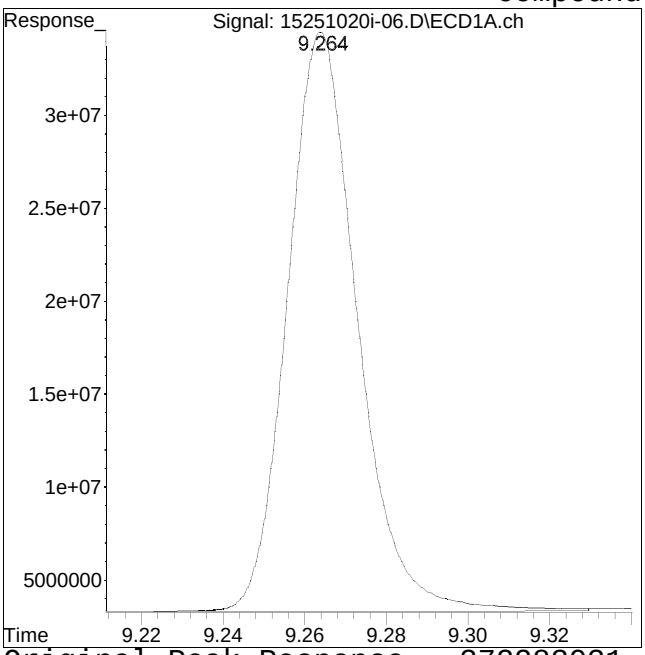


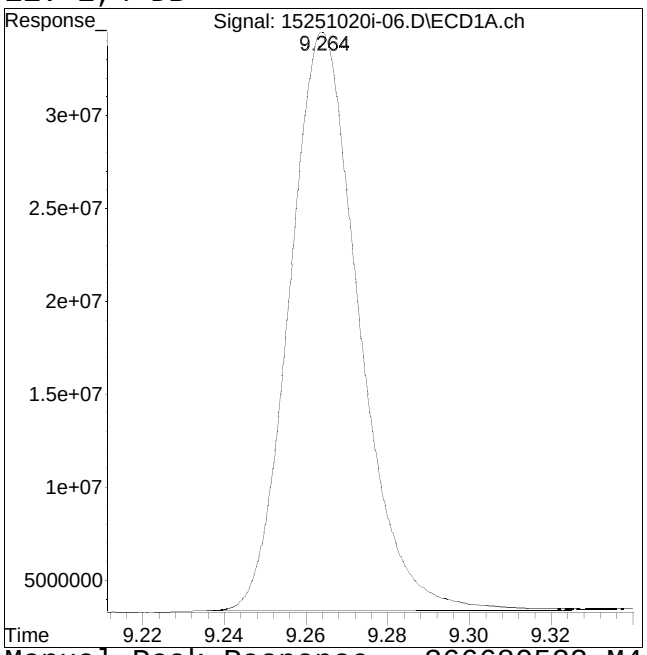
Original Peak Response = 1630865855 Manual Peak Response = 1629669449 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-06.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:24 Instrument : Pest 15
Sample : il5herb,42e,,pp 12244 L1/1Quant Date : 10/24/2025 2:51 pm

Compound #11: 2,4-DB



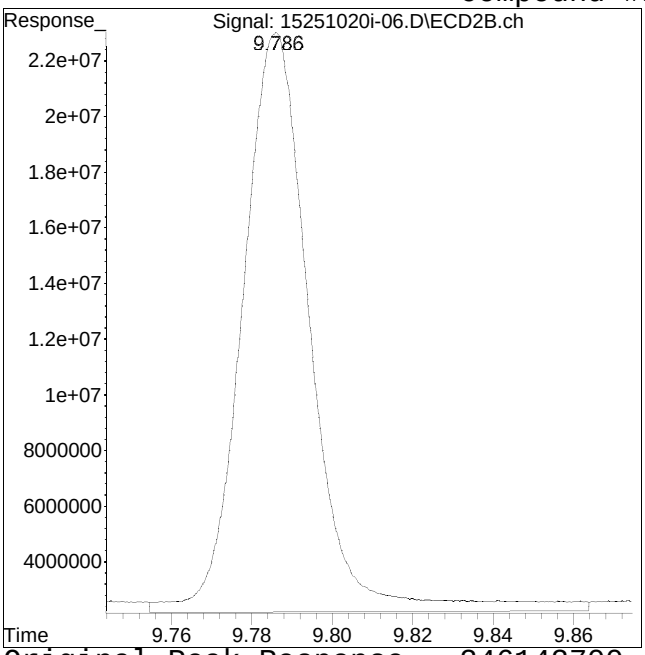


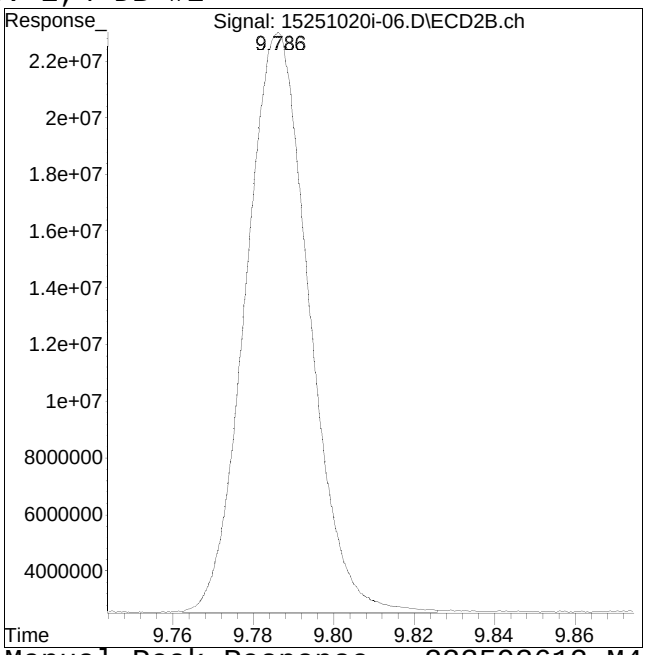
Original Peak Response = 372283931 Manual Peak Response = 366680522 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-06.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:24 Instrument : Pest 15
Sample : il5herb,42e,,pp 12244 L1/1Quant Date : 10/24/2025 2:51 pm

Compound #24: 2,4-DB #2



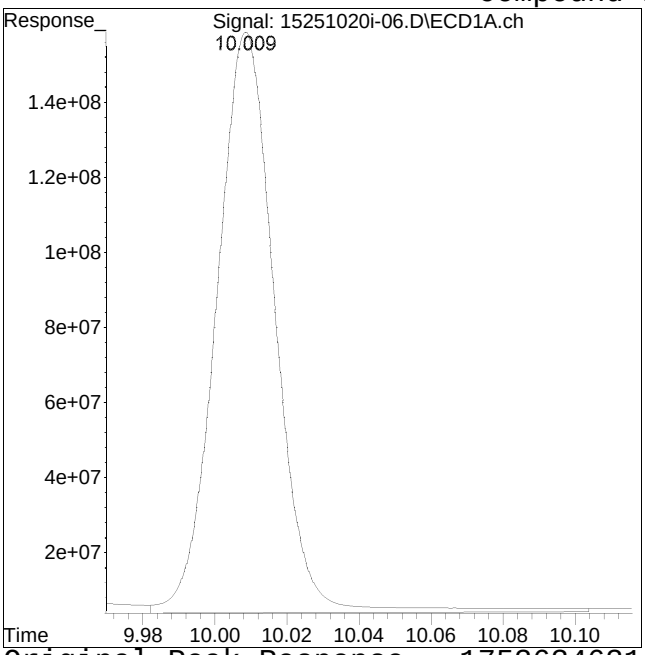


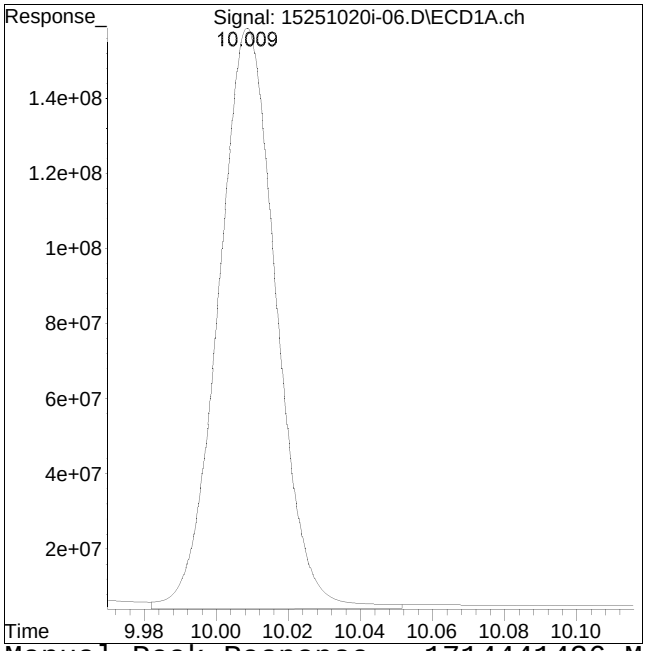
Original Peak Response = 246142700 Manual Peak Response = 223593612 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-06.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:24 Instrument : Pest 15
Sample : il5herb,42e,,pp 12244 L1/1Quant Date : 10/24/2025 2:51 pm

Compound #12: Dinoseb



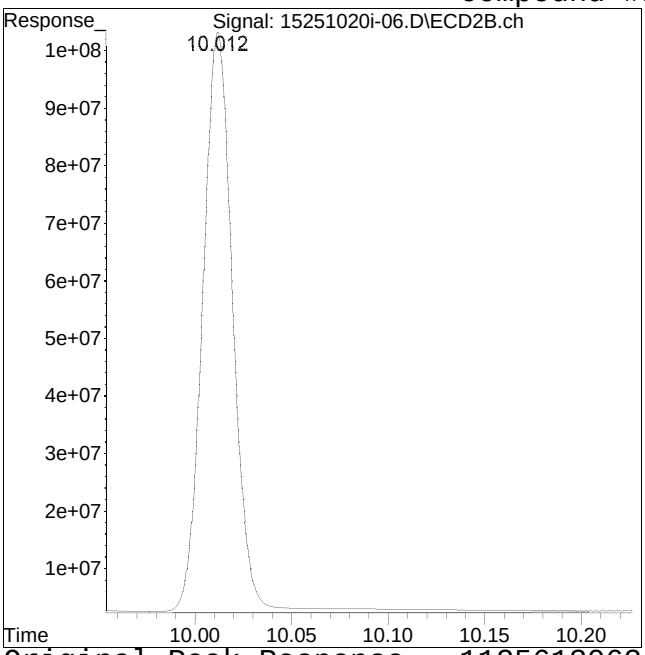


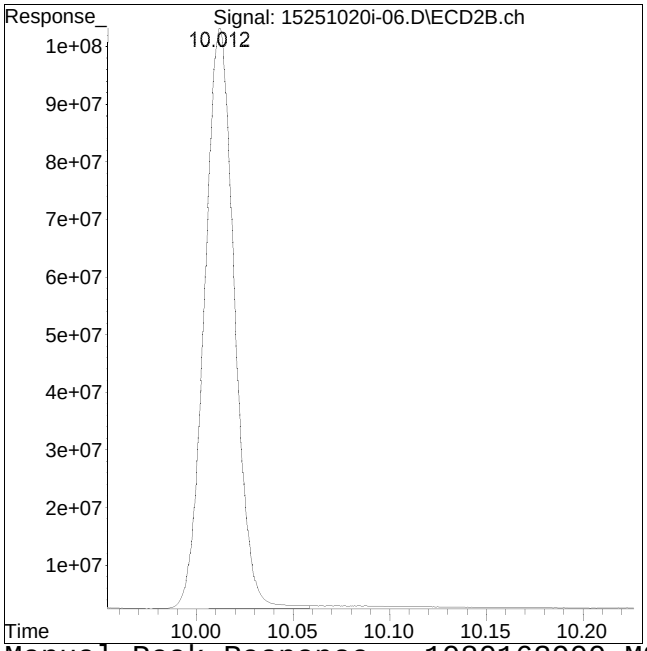
Original Peak Response = 1753634631 Manual Peak Response = 1714441436 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-06.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:24 Instrument : Pest 15
Sample : il5herb,42e,,pp 12244 L1/1Quant Date : 10/24/2025 2:51 pm

Compound #25: Dinoseb #2





Original Peak Response = 1125613063 Manual Peak Response = 1080163900 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest15\2025\251020ICAL\
Data File : 15251020i-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 7:43
Operator : Pest15:ejl
Sample : il6herb,42e,,pp 12244 L2/200
Misc : WG2133146,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 24 14:54:06 2025
Quant Method : I:\PEST\Pest15\2025\251020ICAL\Herb15_2025_10_20_mgL_ICAL.m
Quant Title : herb
QLast Update : Fri Oct 24 14:54:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.362	8.435	848.3E6	511.8E6	0.250M3	0.250
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.835	7.381	968.2E6	685.9E6	1.575M4	1.691M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	315.00%#	338.20%#
		Target Compounds						
2)	t	Dalapon	2.078	2.181	1248.8E6	1049.3E6	1.707	1.837
4)	t	Dicamba	7.014	7.560	2973.1E6	2228.9E6	1.643M4	1.808M4
5)	t	MCPP	7.215	7.670	525.0E6	251.0E6	130.160M4	194.569M3
6)	t	MCPA	7.360	7.897	718.9E6	376.0E6	126.841M3	175.124M3
7)	t	Dichloroprop	7.707	8.207	905.9E6	618.6E6	1.607M4	1.746M4
8)	t	2,4-D	7.916	8.482	1163.8E6	804.8E6	1.674M4	1.814M4
9)	t	2,4,5-TP (Si	8.635	9.134	4281.4E6	3007.6E6	1.700	1.884M4
10)	t	2,4,5-T	8.855	9.426	4365.9E6	3001.3E6	1.740M4	1.951
11)	t	2,4-DB	9.263	9.785	686.9E6	426.1E6	2.290M4	2.419M4
12)	t	Dinoseb	10.008	10.011	3099.5E6	1976.6E6	1.748M4	1.933M4

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest15\2025\251020ICAL\
Data File : 15251020i-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 7:43
Operator : Pest15:ejl
Sample : il6herb,42e,,pp 12244 L2/200
Misc : WG2133146,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 24 14:54:06 2025
Quant Method : I:\PEST\Pest15\2025\251020ICAL\Herb15_2025_10_20_mgL_ICAL.m
Quant Title : herb
QLast Update : Fri Oct 24 14:54:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

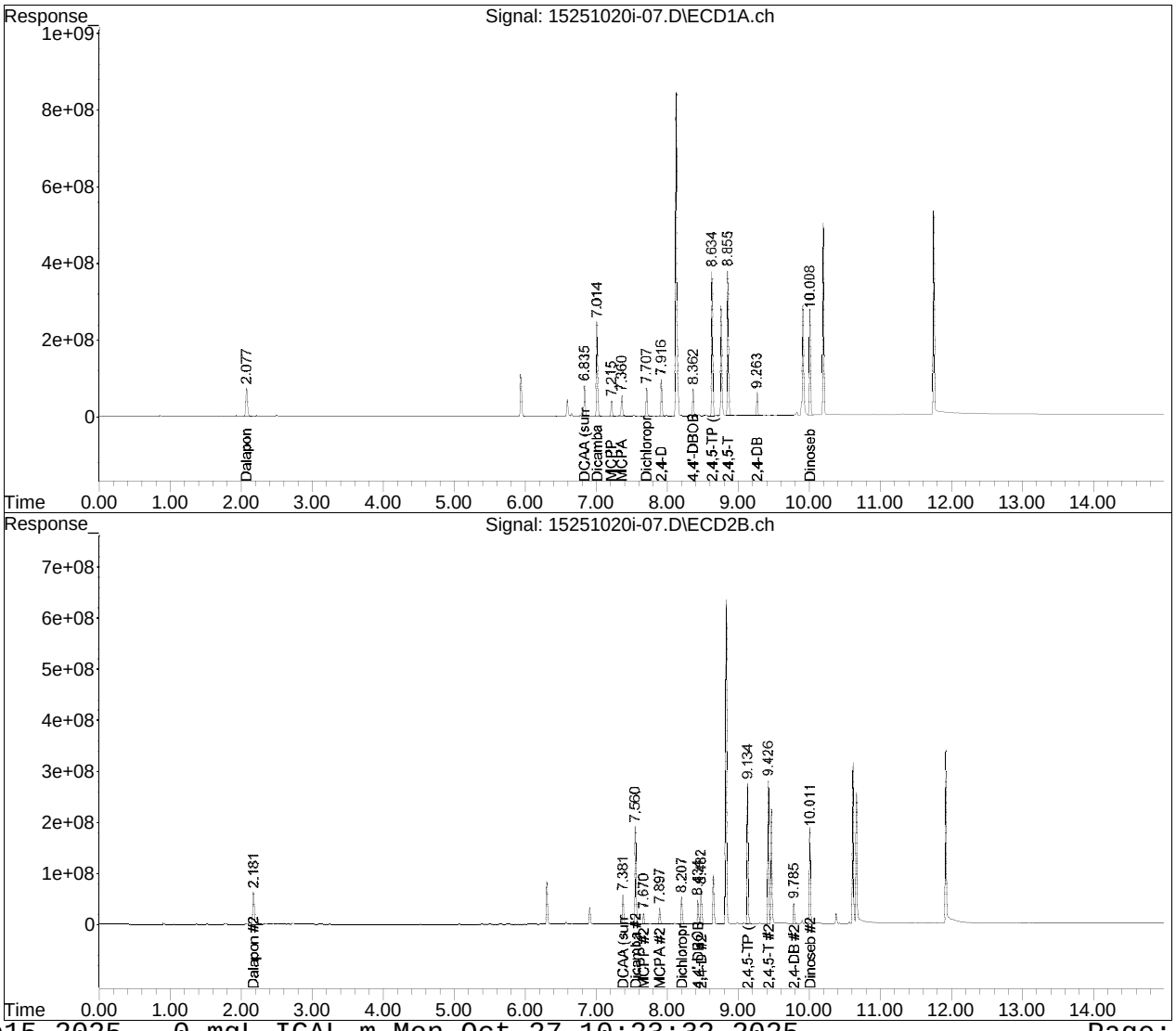
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest15\2025\251020ICAL\
Data File : 15251020i-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 7:43
Operator : Pest15:ejl
Sample : il6herb,42e,,pp 12244 L2/200
Misc : WG2133146,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 24 14:54:06 2025
Quant Method : I:\PEST\Pest15\2025\251020ICAL\Herb15_2025_10_20_mgL_ICAL.m
Quant Title : herb
QLast Update : Fri Oct 24 14:54:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

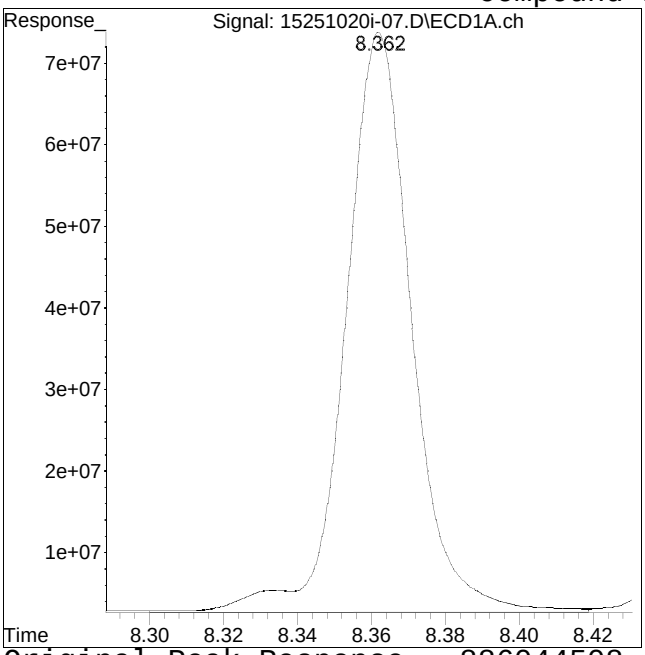


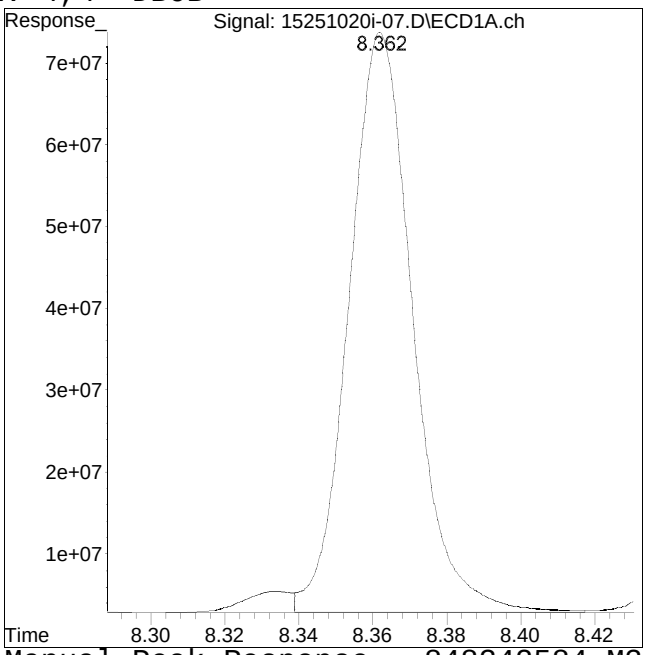
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-07.D
Date Inj'd : 10/20/2025 7:43
Sample : il6herb,42e,,pp 12244 L2/2

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:54 pm

Compound #1: 4,4'-DBOB





Original Peak Response = 886044508 Manual Peak Response = 848342584 M3

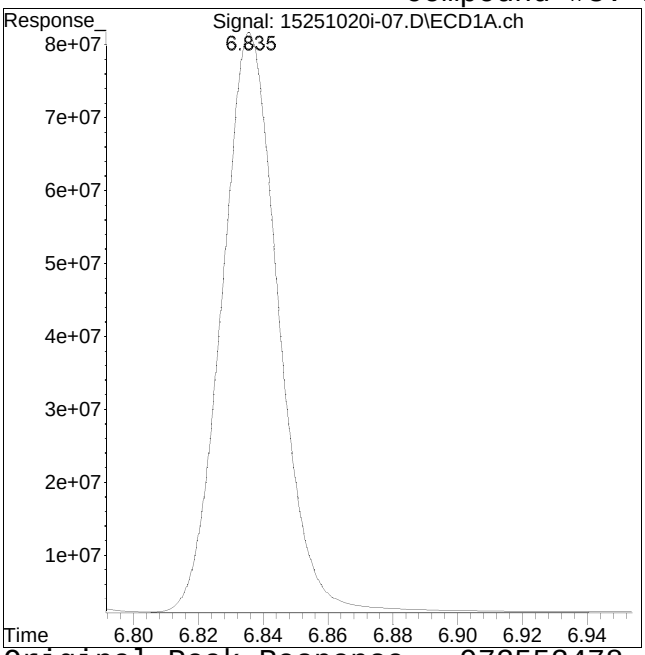
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

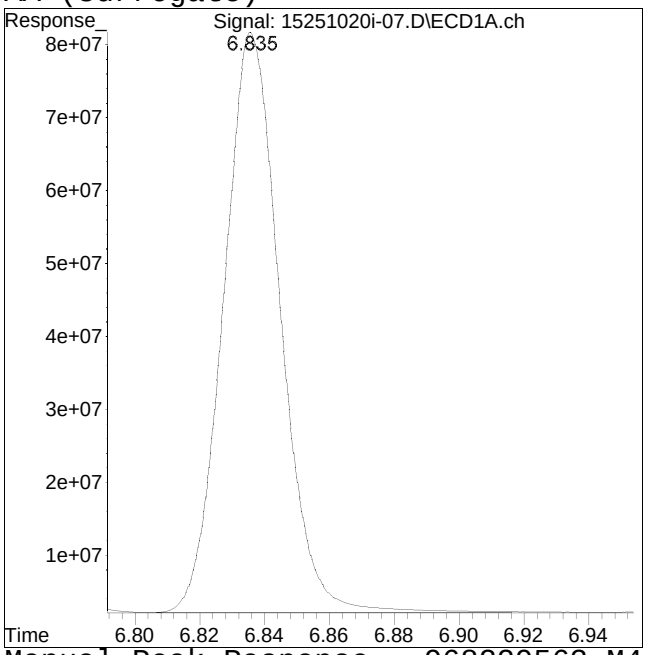
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-07.D
Date Inj'd : 10/20/2025 7:43
Sample : il6herb,42e,,pp 12244 L2/2

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:54 pm

Compound #3: DCAA (surrogate)



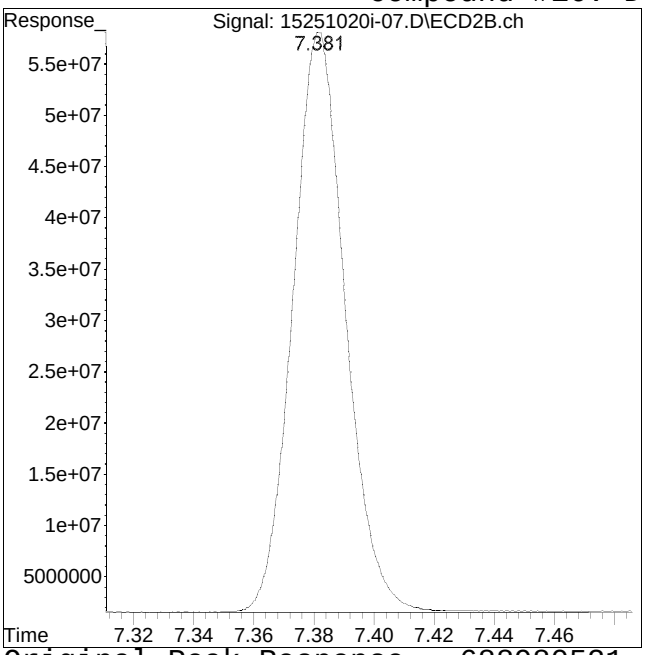


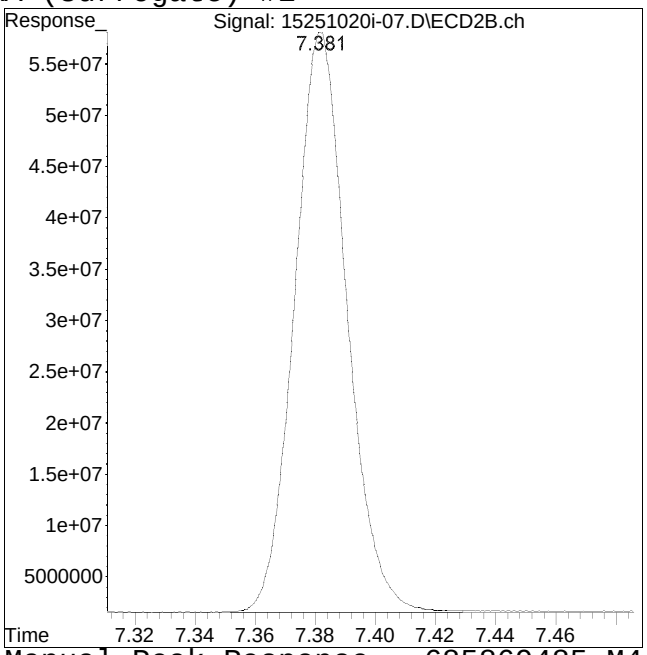
Original Peak Response = 973552478 Manual Peak Response = 968229563 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-07.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:43 Instrument : Pest 15
Sample : il6herb,42e,,pp 12244 L2/2Quant Date : 10/24/2025 2:54 pm

Compound #16: DCAA (surrogate) #2





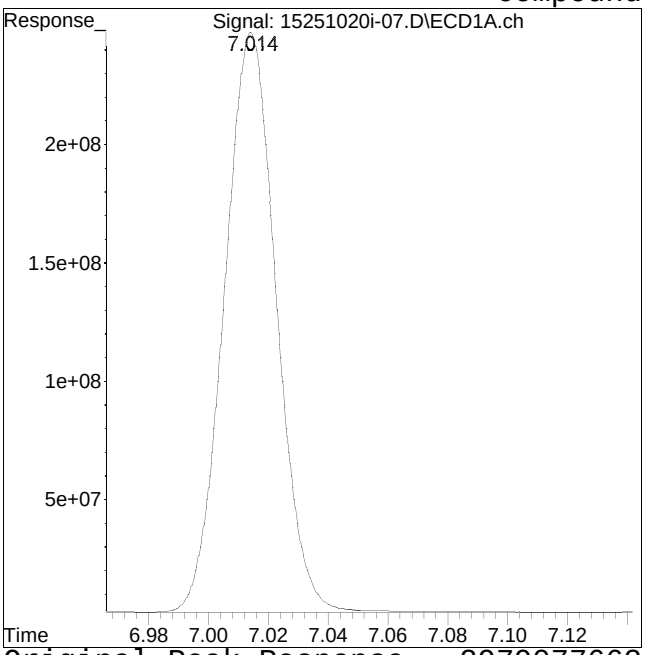
Original Peak Response = 688980521 Manual Peak Response = 685869485 M4
M4 = Poor automated baseline construction.

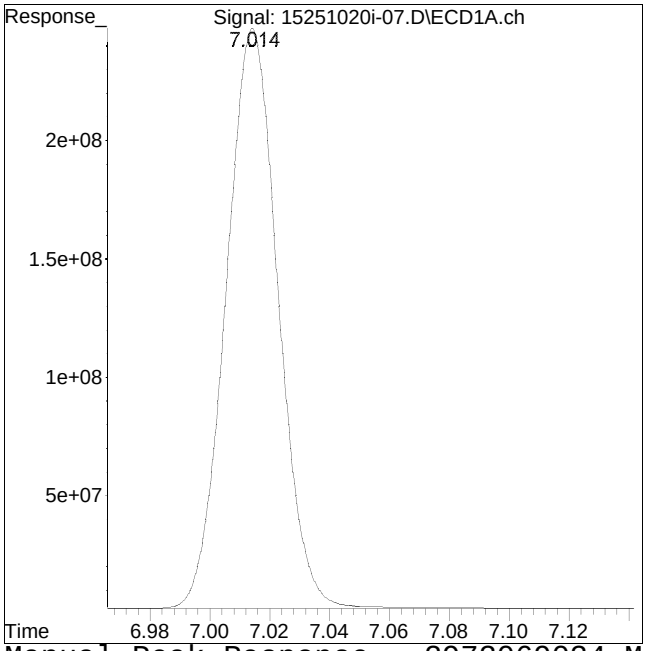
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-07.D
Date Inj'd : 10/20/2025 7:43
Sample : il6herb,42e,,pp 12244 L2/2

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:54 pm

Compound #4: Dicamba





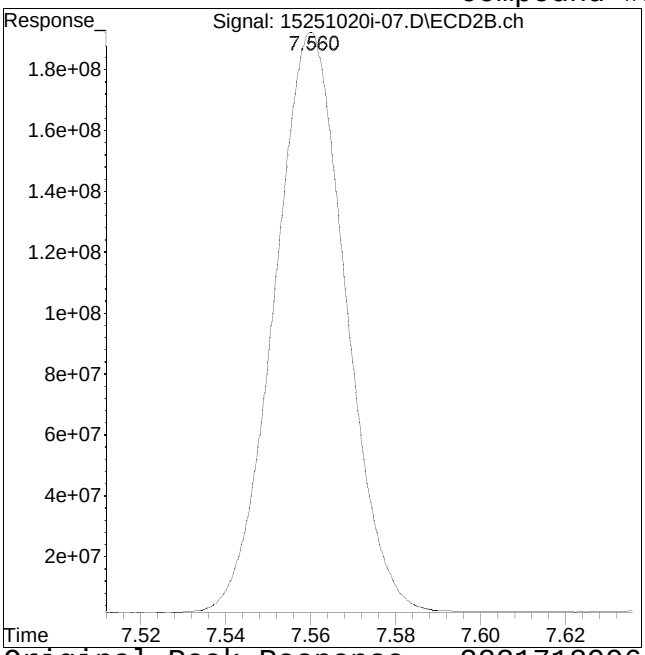
Original Peak Response = 2979077663 Manual Peak Response = 2973069034 M4
M4 = Poor automated baseline construction.

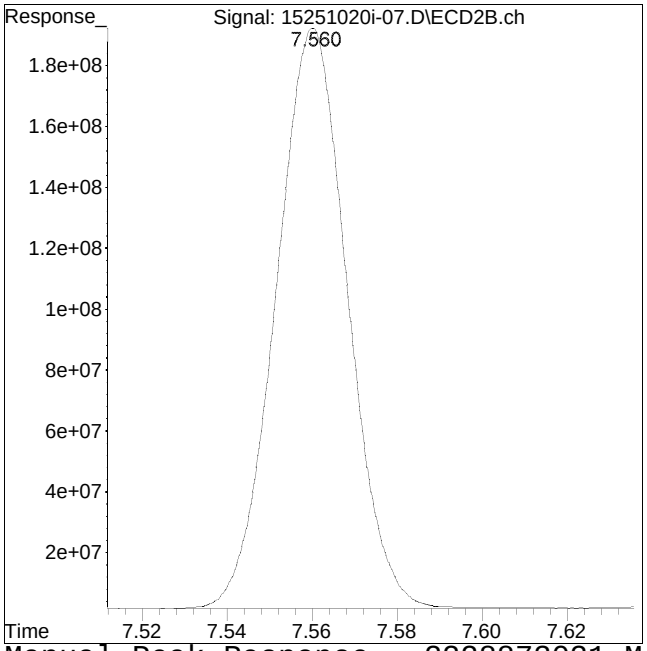
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-07.D
Date Inj'd : 10/20/2025 7:43
Sample : il6herb,42e,,pp 12244 L2/2

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:54 pm

Compound #17: Dicamba #2



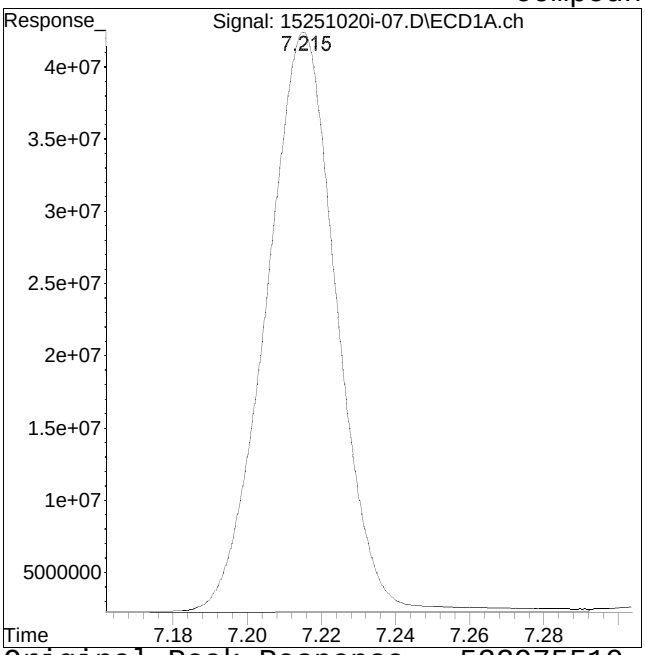


Original Peak Response = 2231712996 Manual Peak Response = 2228873031 M4
M4 = Poor automated baseline construction.

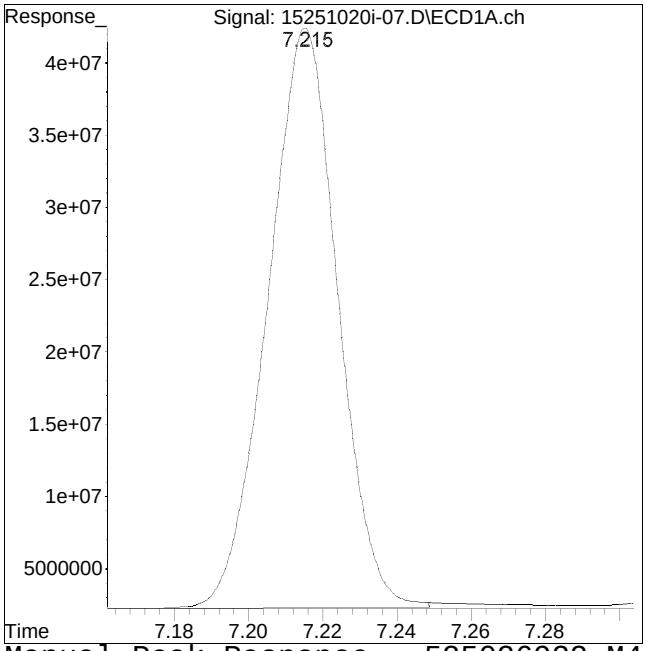
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-07.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:43 Instrument : Pest 15
Sample : il6herb,42e,,pp 12244 L2/2Quant Date : 10/24/2025 2:54 pm

Compound #5: MCPP



Original Peak Response = 533975510



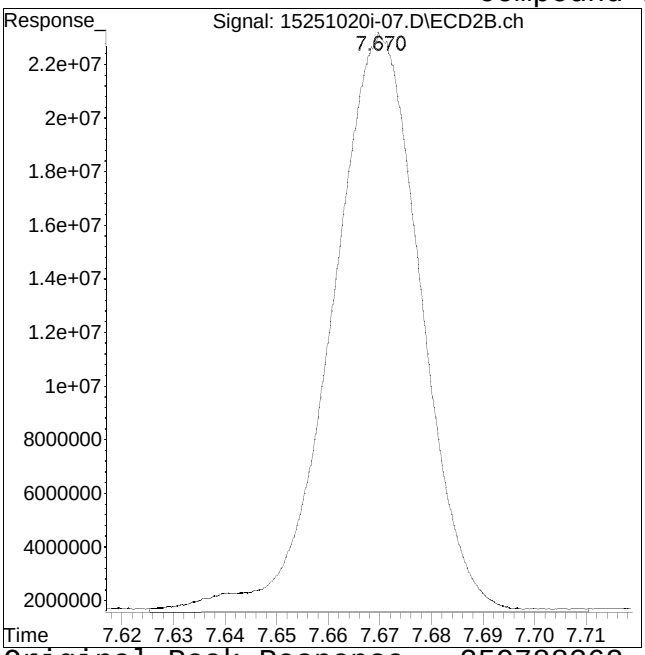
Manual Peak Response = 525026922 M4

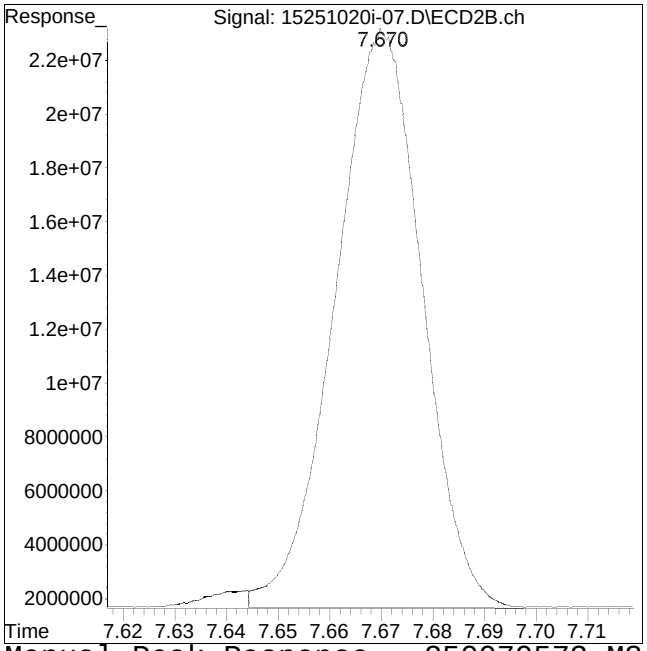
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-07.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:43 Instrument : Pest 15
Sample : il6herb,42e,,pp 12244 L2/2Quant Date : 10/24/2025 2:54 pm

Compound #18: MCPP #2



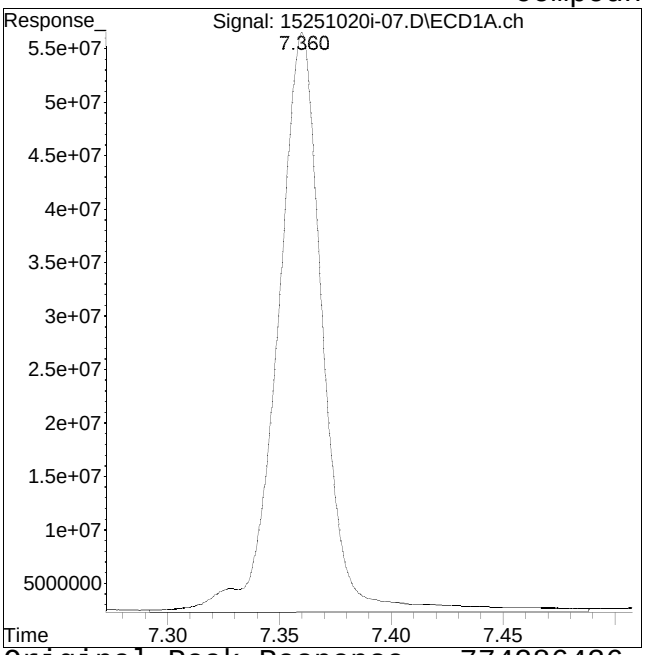


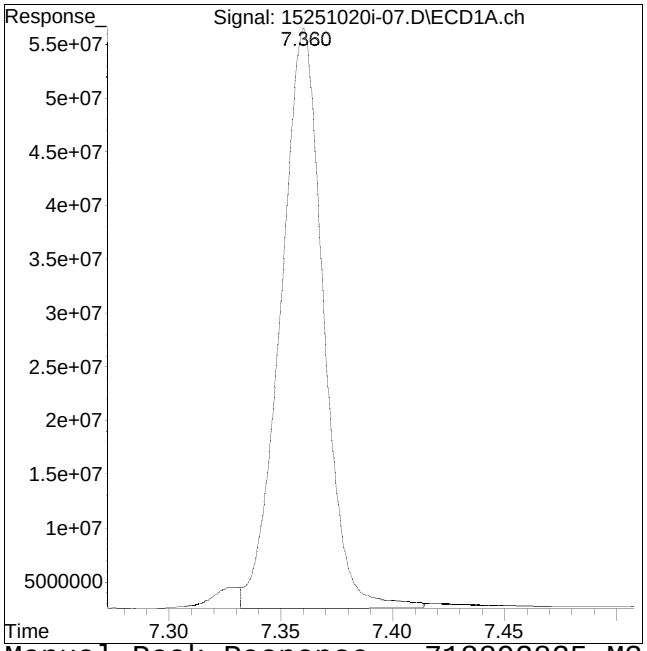
Original Peak Response = 259788362 Manual Peak Response = 250979573 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-07.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:43 Instrument : Pest 15
Sample : il6herb,42e,,pp 12244 L2/2Quant Date : 10/24/2025 2:54 pm

Compound #6: MCPA



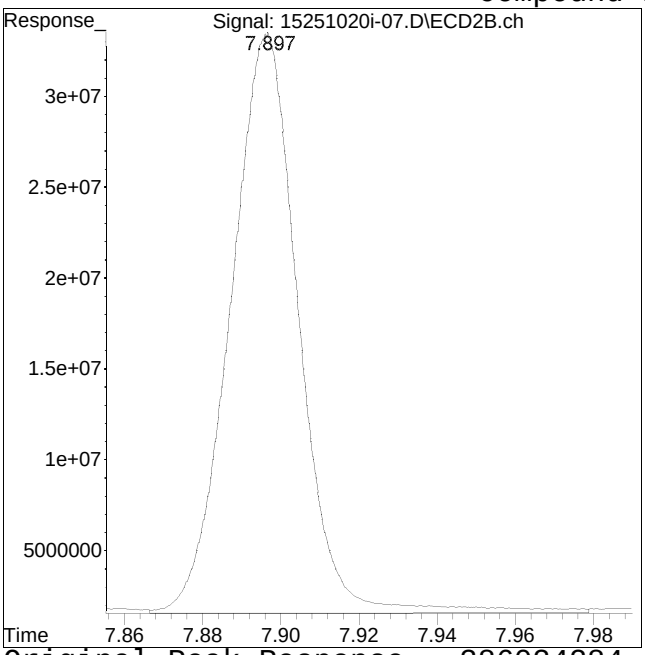


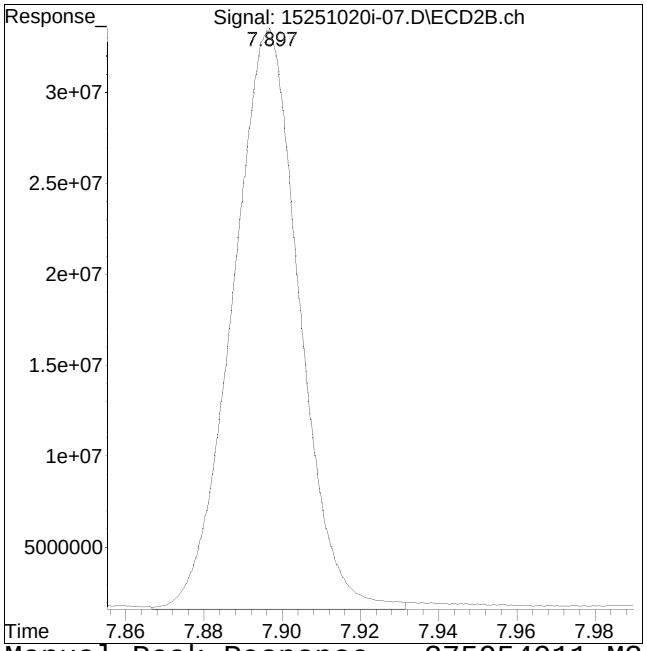
Original Peak Response = 774286436 Manual Peak Response = 718892825 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-07.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:43 Instrument : Pest 15
Sample : il6herb,42e,,pp 12244 L2/2Quant Date : 10/24/2025 2:54 pm

Compound #19: MCPA #2





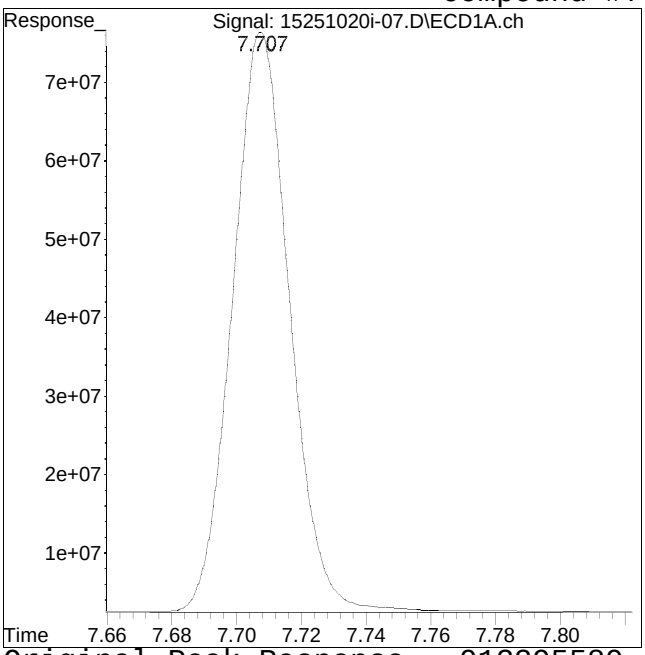
Original Peak Response = 386024284 Manual Peak Response = 375954911 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

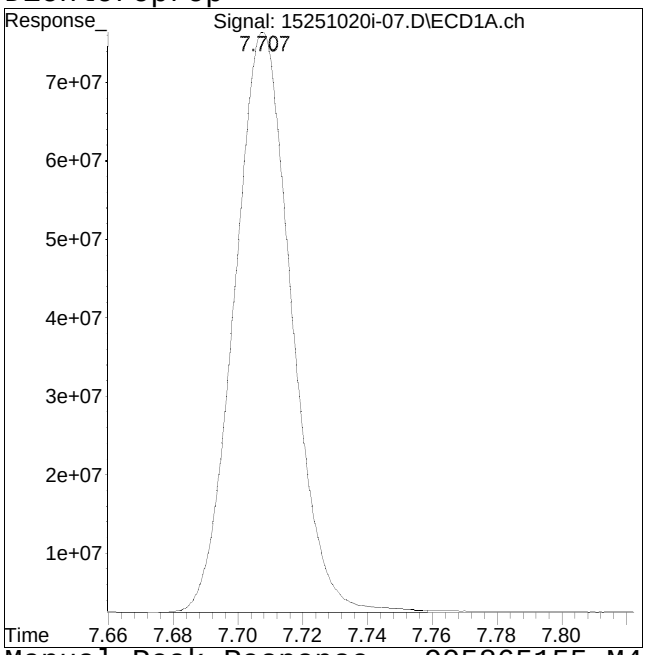
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-07.D
Date Inj'd : 10/20/2025 7:43
Sample : il6herb,42e,,pp 12244 L2/2

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:54 pm

Compound #7: Dichloroprop



Original Peak Response = 913395589



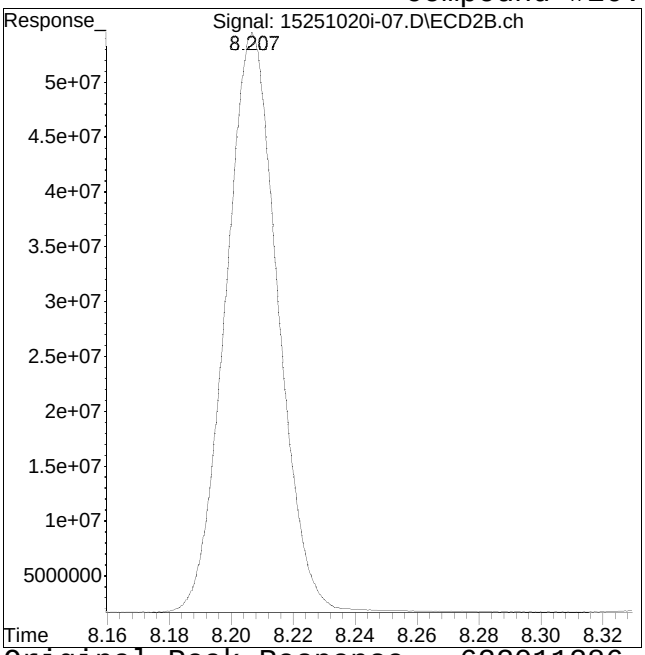
Manual Peak Response = 905865155 M4

M4 = Poor automated baseline construction.

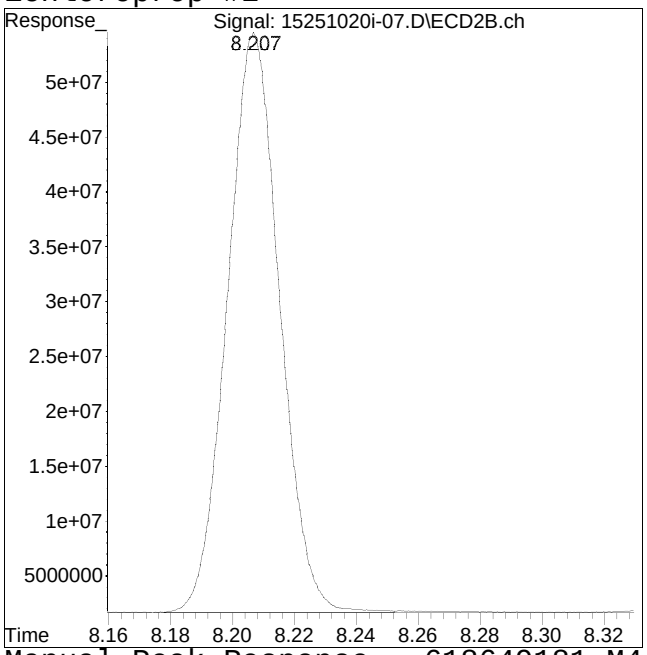
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-07.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:43 Instrument : Pest 15
Sample : il6herb,42e,,pp 12244 L2/2Quant Date : 10/24/2025 2:54 pm

Compound #20: Dichloroprop #2



Original Peak Response = 622011286



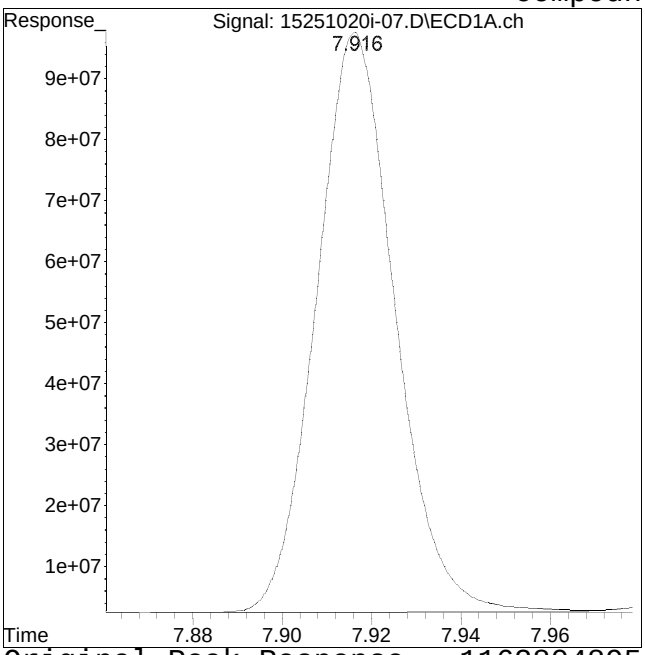
Manual Peak Response = 618649181 M4

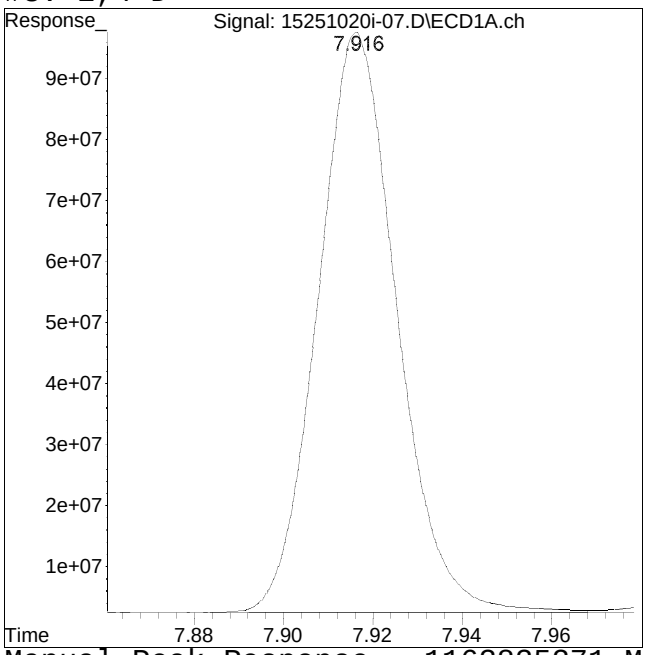
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-07.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:43 Instrument : Pest 15
Sample : il6herb,42e,,pp 12244 L2/2Quant Date : 10/24/2025 2:54 pm

Compound #8: 2,4-D





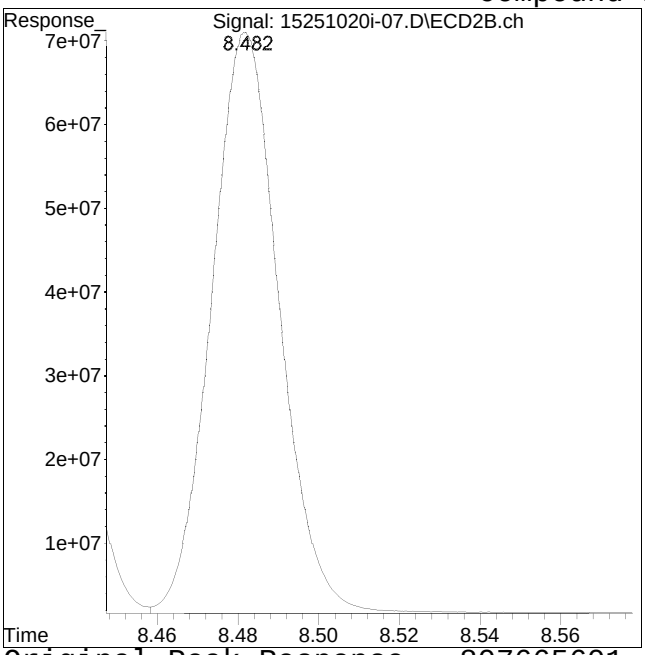
Original Peak Response = 1162804895 Manual Peak Response = 1163835271 M4
M4 = Poor automated baseline construction.

Manual Integration Report

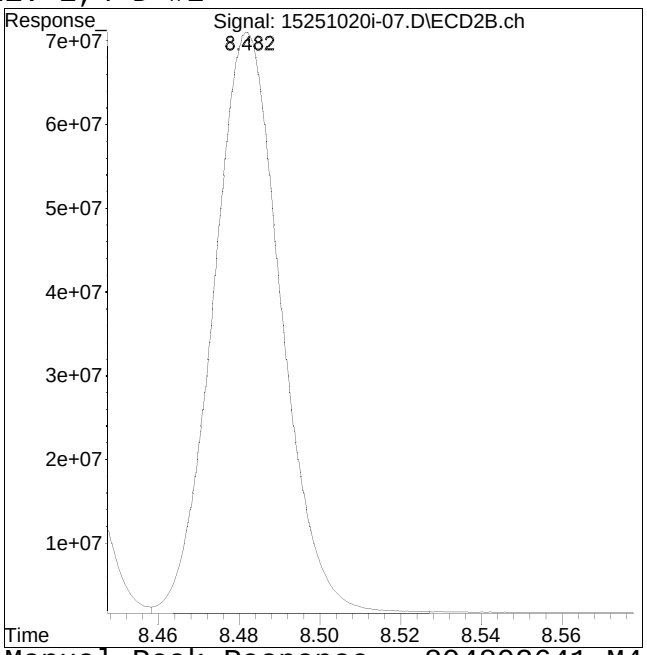
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-07.D
Date Inj'd : 10/20/2025 7:43
Sample : il6herb,42e,,pp 12244 L2/2

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:54 pm

Compound #21: 2,4-D #2



Original Peak Response = 807665601



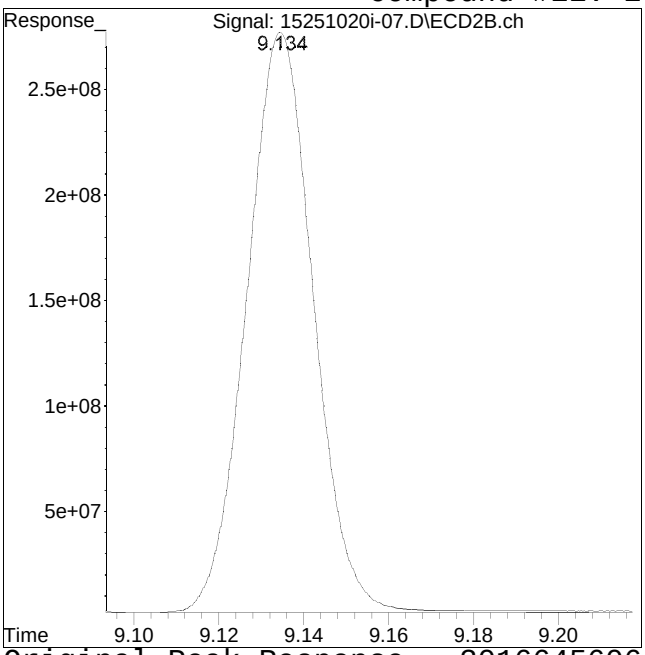
Manual Peak Response = 804802641 M4

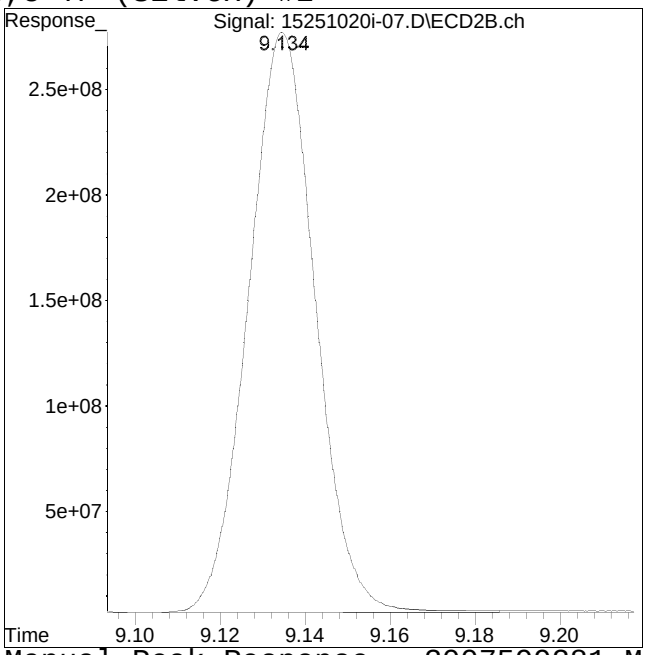
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-07.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:43 Instrument : Pest 15
Sample : il6herb,42e,,pp 12244 L2/2Quant Date : 10/24/2025 2:54 pm

Compound #22: 2,4,5-TP (Silvex) #2



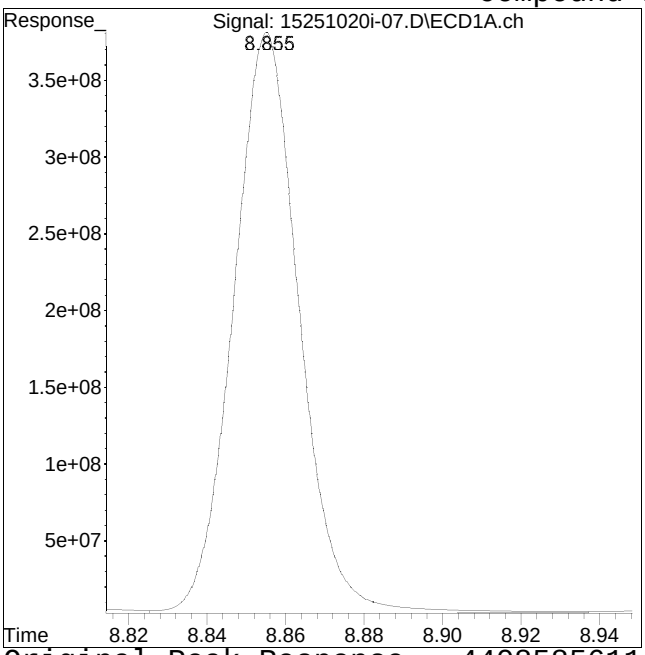


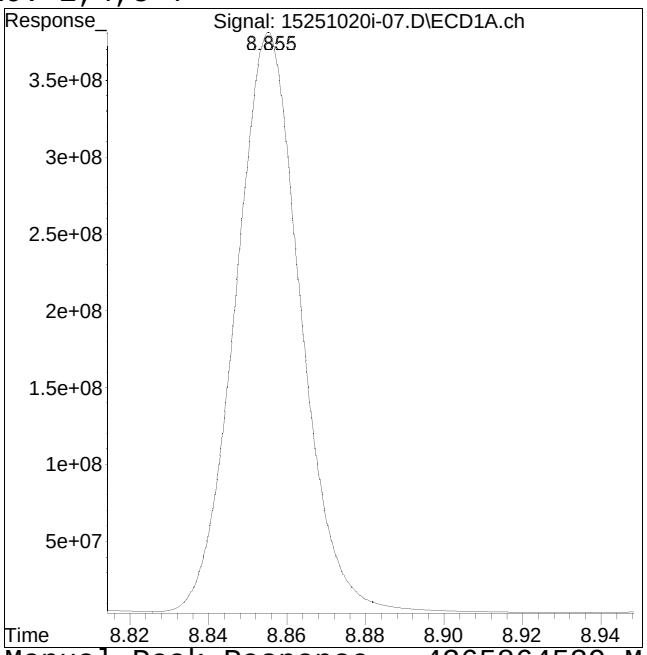
Original Peak Response = 3016645606 Manual Peak Response = 3007599281 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-07.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:43 Instrument : Pest 15
Sample : il6herb,42e,,pp 12244 L2/2Quant Date : 10/24/2025 2:54 pm

Compound #10: 2,4,5-T



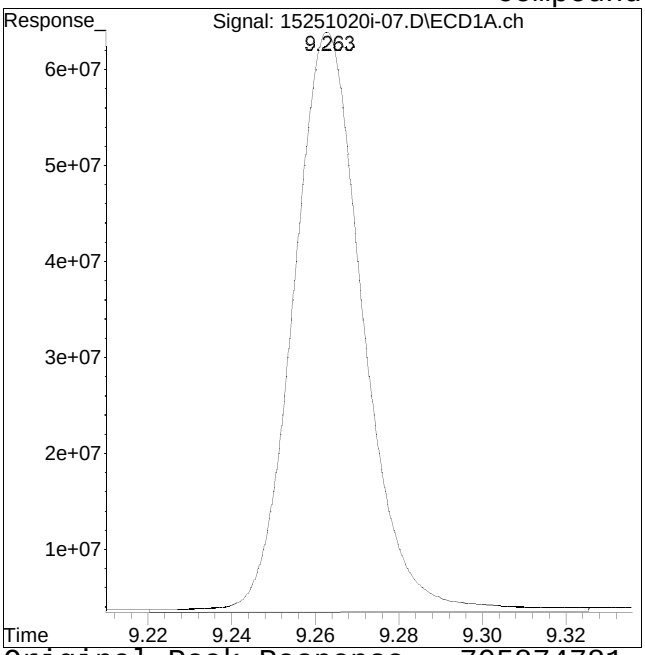


Original Peak Response = 4408585611 Manual Peak Response = 4365864539 M4
M4 = Poor automated baseline construction.

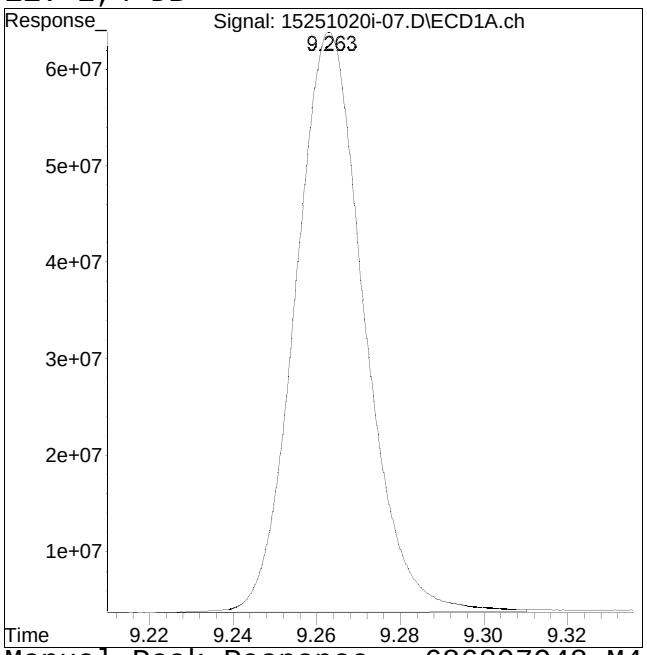
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-07.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 7:43 Instrument : Pest 15
Sample : il6herb,42e,,pp 12244 L2/2Quant Date : 10/24/2025 2:54 pm

Compound #11: 2,4-DB



Original Peak Response = 705874781



Manual Peak Response = 686897948 M4

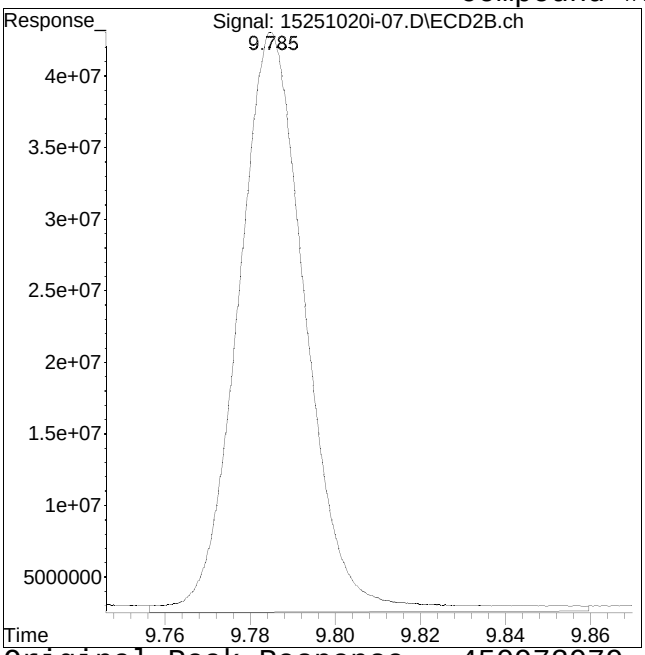
M4 = Poor automated baseline construction.

Manual Integration Report

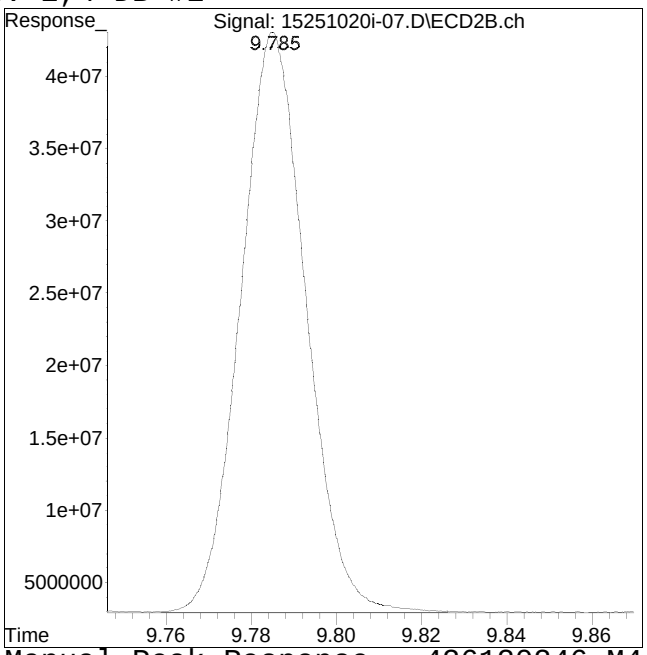
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-07.D
Date Inj'd : 10/20/2025 7:43
Sample : il6herb,42e,,pp 12244 L2/2

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:54 pm

Compound #24: 2,4-DB #2



Original Peak Response = 450972979



Manual Peak Response = 426120246 M4

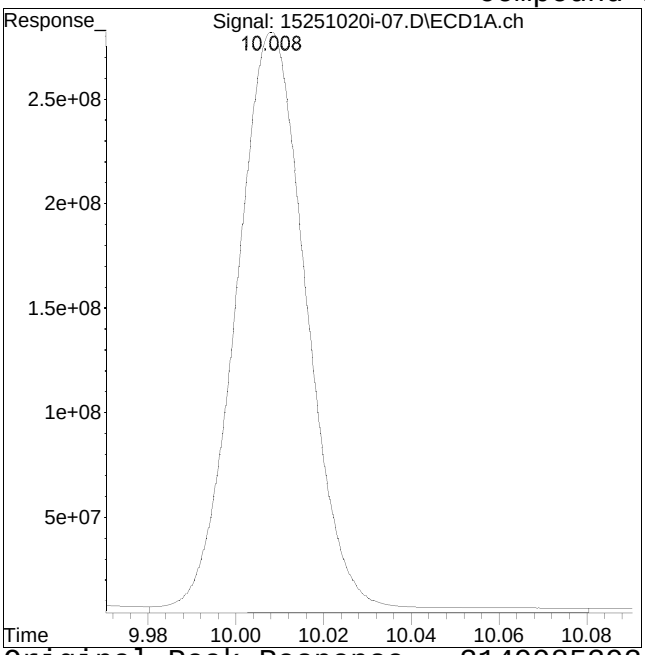
M4 = Poor automated baseline construction.

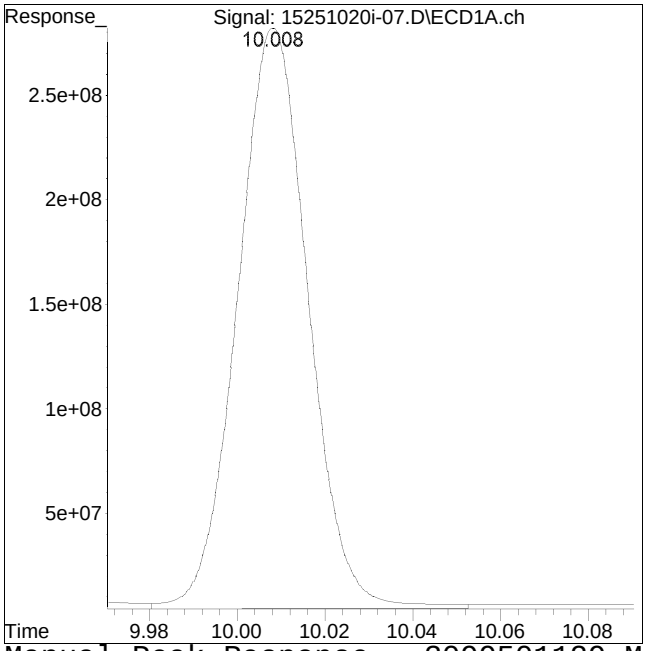
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-07.D
Date Inj'd : 10/20/2025 7:43
Sample : il6herb,42e,,pp 12244 L2/2

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:54 pm

Compound #12: Dinoseb





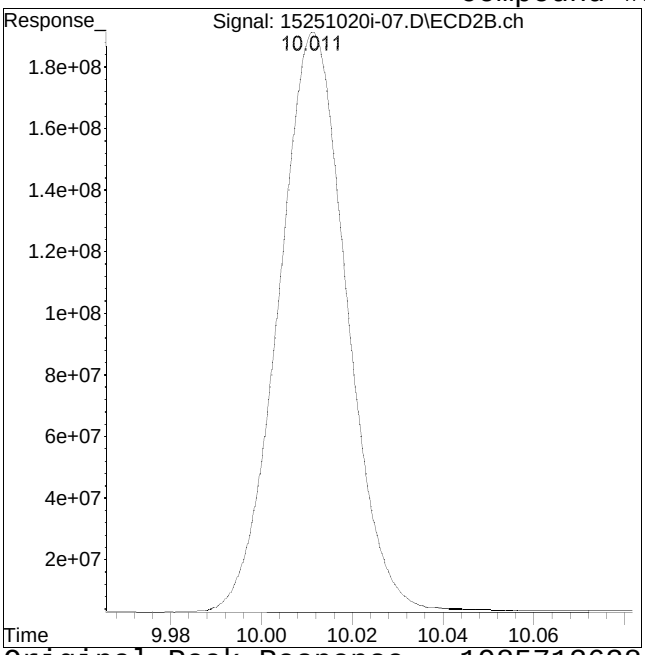
Original Peak Response = 3149985393 Manual Peak Response = 3099501129 M4
M4 = Poor automated baseline construction.

Manual Integration Report

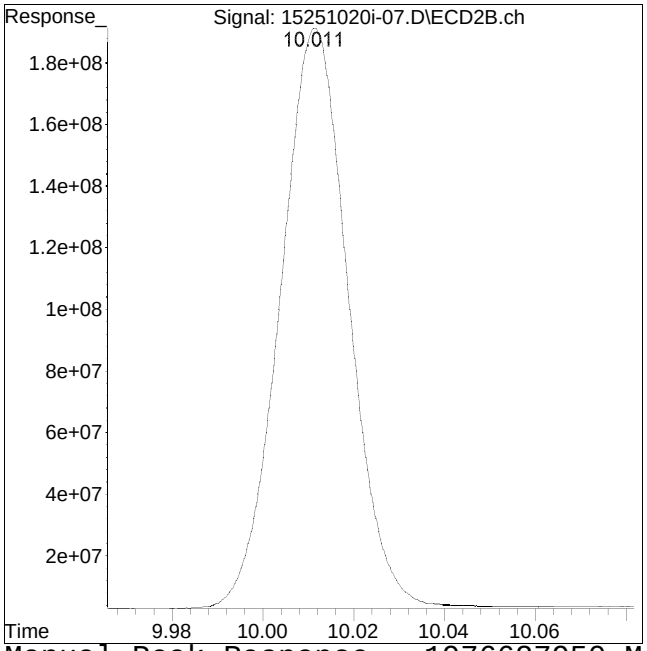
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-07.D
Date Inj'd : 10/20/2025 7:43
Sample : il6herb,42e,,pp 12244 L2/2

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/24/2025 2:54 pm

Compound #25: Dinoseb #2



Original Peak Response = 1985713638



Manual Peak Response = 1976627950 M4

M4 = Poor automated baseline construction.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest15\2025\251020ICAL\
Data File : 15251020i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 20 Oct 2025   8:01
Operator : Pest15:ejl
Sample   : cicv,42e,,pp 12208 L0.2/20 ICV
Misc   : WG2133146,ical
ALS Vial : 8   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 27 10:15:32 2025
Quant Method : I:\PEST\Pest15\2025\251020ICAL\Herb15_2025_10_20_mgL_ICAL.m
Quant Title : herb
QLast Update : Fri Oct 24 15:12:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	4,4'-DBOB	^	1.000	1.000	0.0	94	0.00
2	t	Dalapon		0.225	0.209	7.1	87	0.00
3	s	DCAA (surrogate)		0.187	0.185	1.1	86	0.00
4	t	Dicamba		0.550	0.549	0.2	88	0.00
5	t	MCPP	*	18.800	21.088	-12.2	92	0.00
6	t	MCPA	*	18.600	21.145	-13.7	92	0.00
7	t	Dichloroprop		0.172	0.194	-12.8	98	0.00
8	t	2,4-D		0.211	0.221	-4.7	92	0.00
9	t	2,4,5-TP (Silvex)		0.758	0.787	-3.8	91	0.00
10	t	2,4,5-T		0.755	0.799	-5.8	93	0.00
11	t	2,4-DB	*	0.192	0.159	17.2#	85	0.00
12	t	Dinoseb		0.528	0.554	-4.9	91	0.00

Signal #2

1	i	4,4'-DBOB	^	1.000	1.000	0.0	93	0.00
2	t	Dalapon		0.295	0.283	4.1	89	0.00
3	s	DCAA (surrogate)		0.205	0.215	-4.9	90	0.00
4	t	Dicamba		0.617	0.627	-1.6	89	0.00
5	t	MCPP		0.00060	0.00064	-6.7	93	0.00
6	t	MCPA		0.00108	0.00115	-6.5	93	0.00
7	t	Dichloroprop		0.180	0.207	-15.0	100	0.00
8	t	2,4-D		0.226	0.239	-5.8	92	0.00
9	t	2,4,5-TP (Silvex)		0.794	0.807	-1.6	90	0.00
10	t	2,4,5-T		0.765	0.793	-3.7	93	0.00
11	t	2,4-DB	*	0.192	0.169	12.0	86	0.00
12	t	Dinoseb		0.504	0.531	-5.4	93	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest15\2025\251020ICAL\
Data File : 15251020i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 20 Oct 2025   8:01
Operator : Pest15:ejl
Sample   : cicv,42e,,pp 12208 L0.2/20 ICV
Misc   : WG2133146,ical
ALS Vial : 8   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 27 10:15:32 2025
Quant Method : I:\PEST\Pest15\2025\251020ICAL\Herb15_2025_10_20_mgL_ICAL.m
Quant Title : herb
QLast Update : Fri Oct 24 15:12:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

Signal #2

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* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest15\2025\251020ICAL\
Data File : 15251020i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 8:01
Operator : Pest15:ejl
Sample : cicv,42e,,pp 12208 L0.2/20 ICV
Misc : WG2133146,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 27 10:15:32 2025
Quant Method : I:\PEST\Pest15\2025\251020ICAL\Herb15_2025_10_20_mgL_ICAL.m
Quant Title : herb
QLast Update : Fri Oct 24 15:12:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.362	8.434	852.8E6	540.1E6	0.250M3	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.840	7.384	118.8E6	87335683	0.186M4	0.197M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	37.20%	39.40%
		Target Compounds						
2)	t	Dalapon	2.082	2.187	129.7E6	111.4E6	0.169M4	0.175M3
4)	t	Dicamba	7.016	7.560	352.4E6	254.8E6	0.188M3	0.191M3
5)	t	MCPP	7.213	7.669	92513462	26147388	21.088M4	20.080M4
6)	t	MCPA	7.358	7.894	132.0E6	46270077	21.145M3	19.852M4
7)	t	Dichloroprop	7.711	8.208	124.6E6	84208421	0.212M4	0.216M4
8)	t	2,4-D	7.923	8.484	141.8E6	97055496	0.197M4	0.198M4
9)	t	2,4,5-TP (Si	8.636	9.135	510.3E6	331.1E6	0.197M4	0.193M4
10)	t	2,4,5-T	8.860	9.427	517.9E6	325.4E6	0.201M3	0.197
11)	t	2,4-DB	9.270	9.787	41662448	28051093	0.159M4	0.169M4
12)	t	Dinoseb	10.009	10.011	359.3E6	218.0E6	0.199M4	0.200M4

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest15\2025\251020ICAL\
Data File : 15251020i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 8:01
Operator : Pest15:ejl
Sample : cicv,42e,,pp 12208 L0.2/20 ICV
Misc : WG2133146,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 27 10:15:32 2025
Quant Method : I:\PEST\Pest15\2025\251020ICAL\Herb15_2025_10_20_mgL_ICAL.m
Quant Title : herb
QLast Update : Fri Oct 24 15:12:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

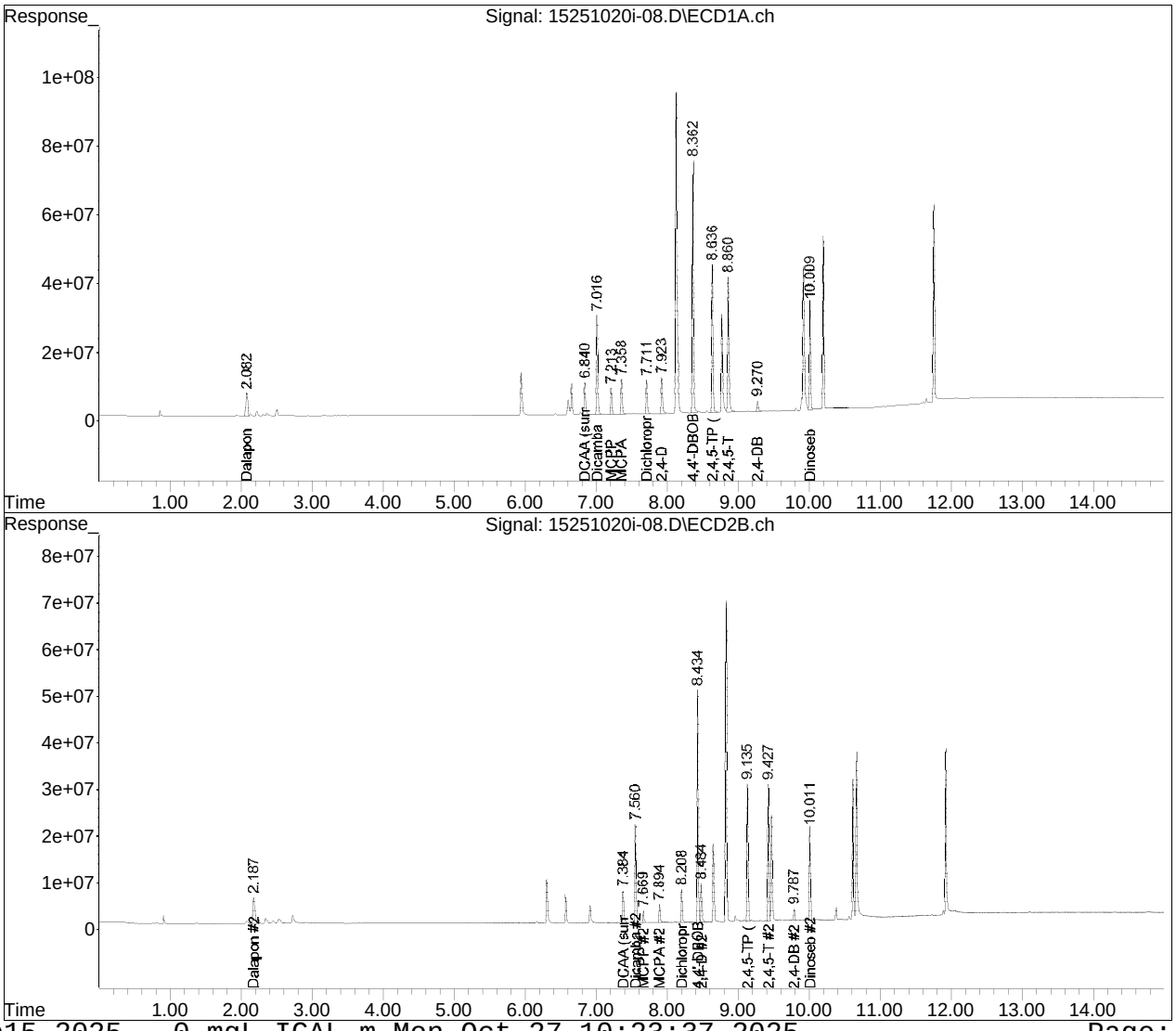
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest15\2025\251020ICAL\
Data File : 15251020i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2025 8:01
Operator : Pest15:ejl
Sample : cicv,42e,,pp 12208 L0.2/20 ICV
Misc : WG2133146,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 27 10:15:32 2025
Quant Method : I:\PEST\Pest15\2025\251020ICAL\Herb15_2025_10_20_mgL_ICAL.m
Quant Title : herb
QLast Update : Fri Oct 24 15:12:49 2025
Response via : Initial Calibration
Integrator: ChemStation

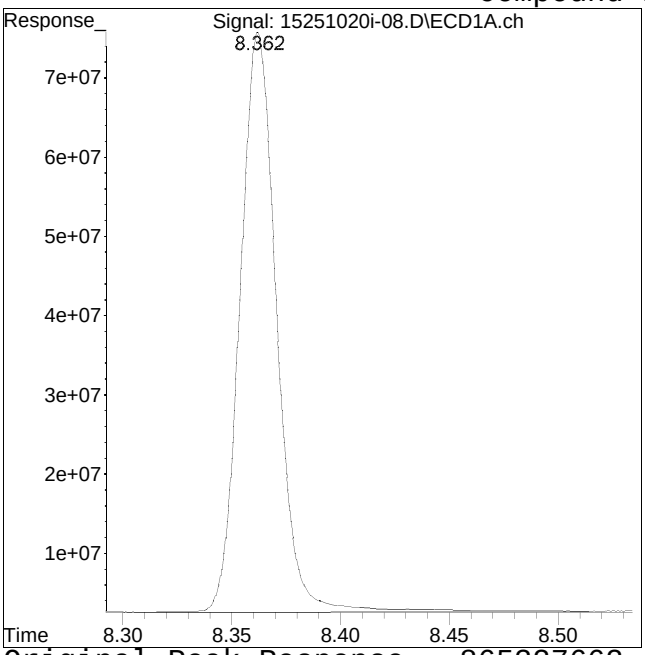
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

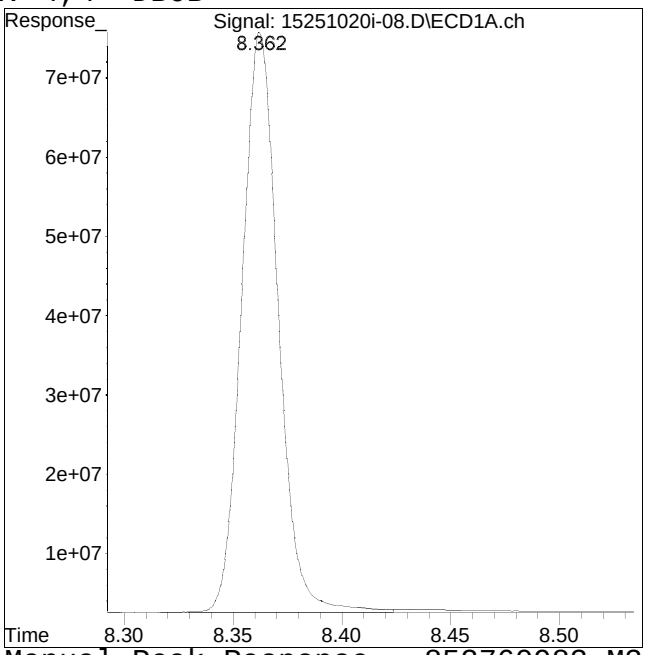


Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-08.D
Date Inj'd : 10/20/2025 8:01
Sample : cicv,42e,,pp 12208 L0.2/20
Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/27/2025 10:15 am

Compound #1: 4,4'-DBOB



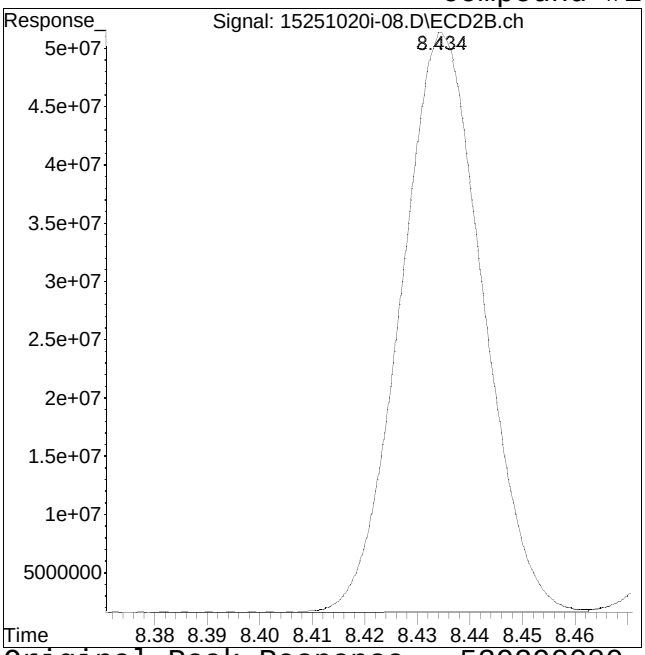


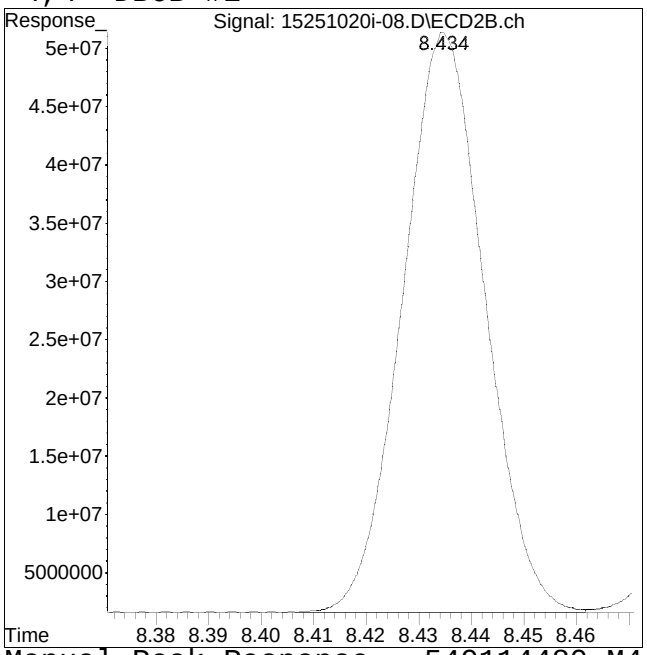
Original Peak Response = 865327662 Manual Peak Response = 852760983 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-08.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 8:01 Instrument : Pest 15
Sample : cicv,42e,,pp 12208 L0.2/20Quant Date : 10/27/2025 10:15 am

Compound #14: 4,4'-DBOB #2



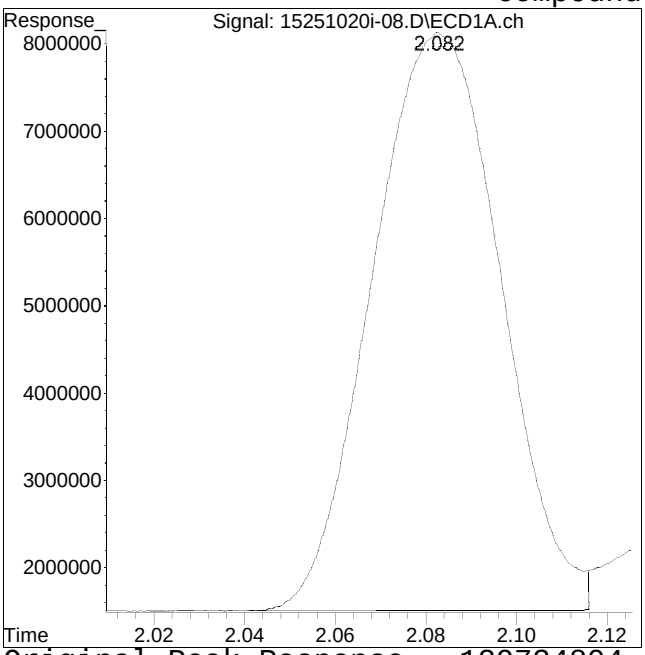


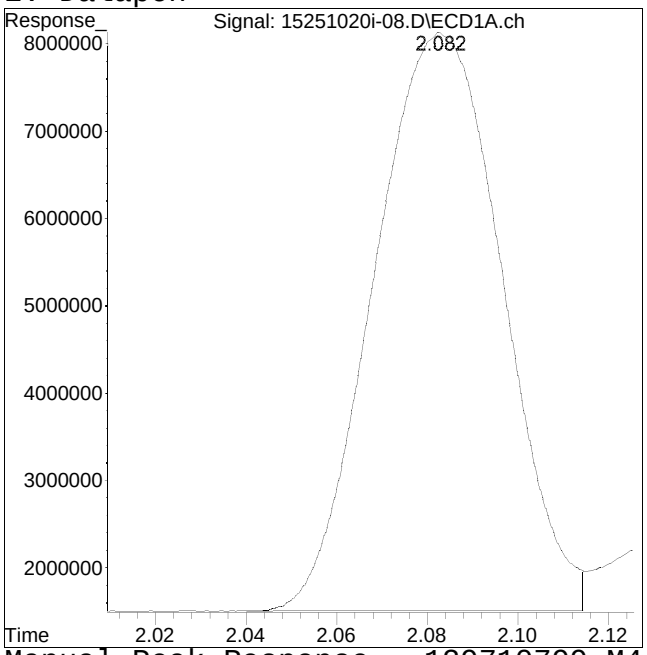
Original Peak Response = 539290080 Manual Peak Response = 540114480 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-08.D
Date Inj'd : 10/20/2025 8:01
Sample : cicv,42e,,pp 12208 L0.2/20
Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/27/2025 10:15 am

Compound #2: Dalapon



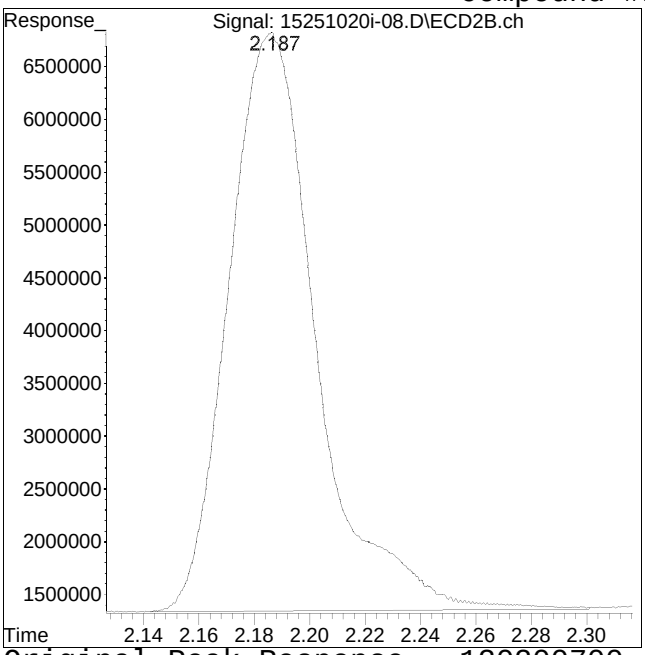


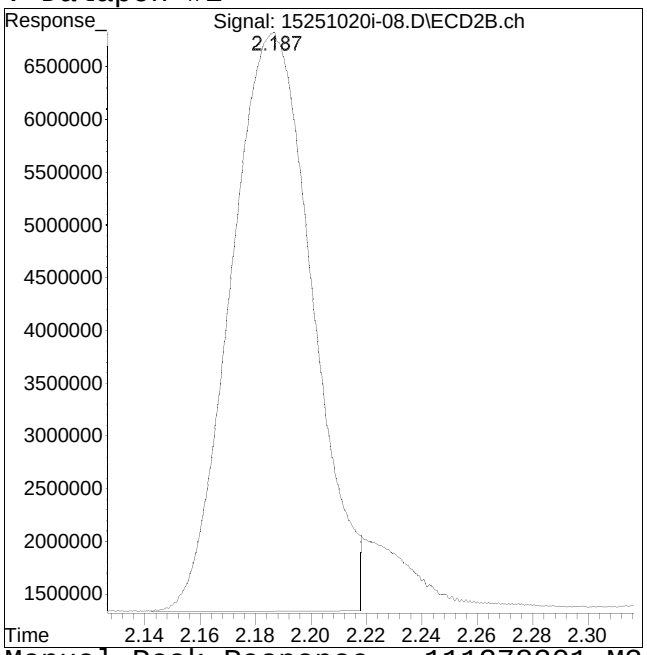
Original Peak Response = 129734804 Manual Peak Response = 129710799 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-08.D
Date Inj'd : 10/20/2025 8:01
Sample : cicv,42e,,pp 12208 L0.2/20
Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/27/2025 10:15 am

Compound #15: Dalapon #2





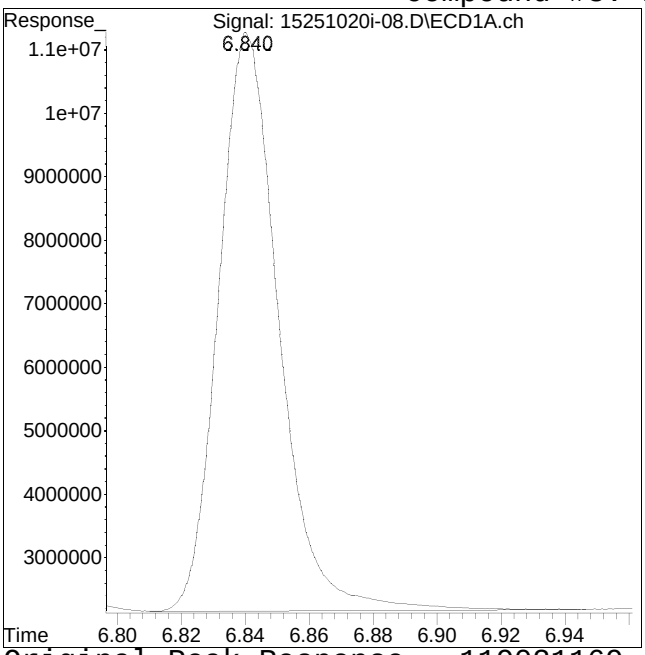
Original Peak Response = 120200700 Manual Peak Response = 111378301 M3

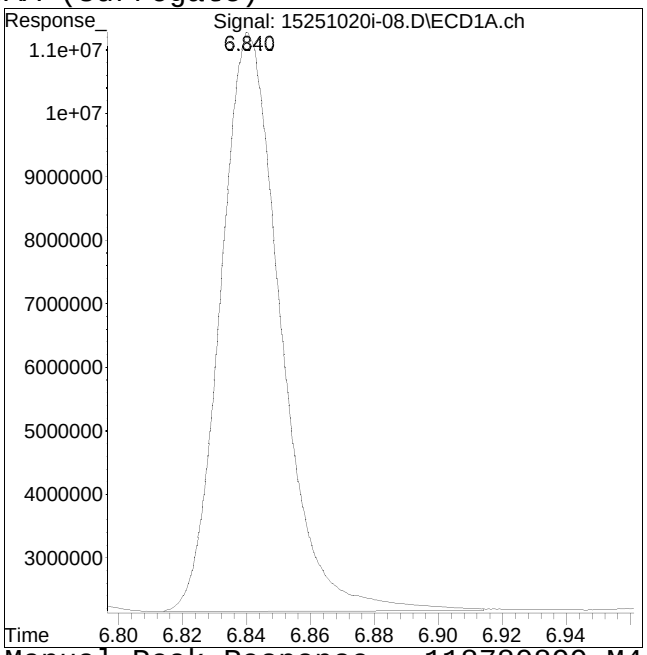
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-08.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 8:01 Instrument : Pest 15
Sample : cicv,42e,,pp 12208 L0.2/20Quant Date : 10/27/2025 10:15 am

Compound #3: DCAA (surrogate)



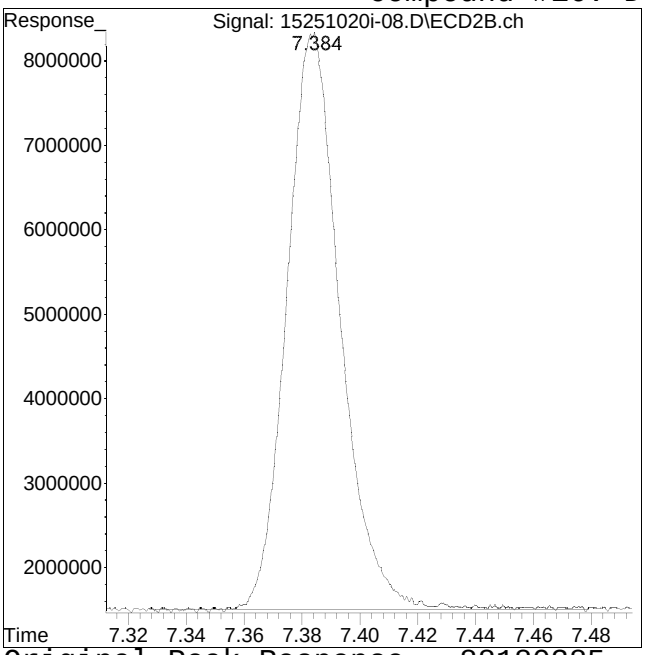


Original Peak Response = 119021169 Manual Peak Response = 118780899 M4
M4 = Poor automated baseline construction.

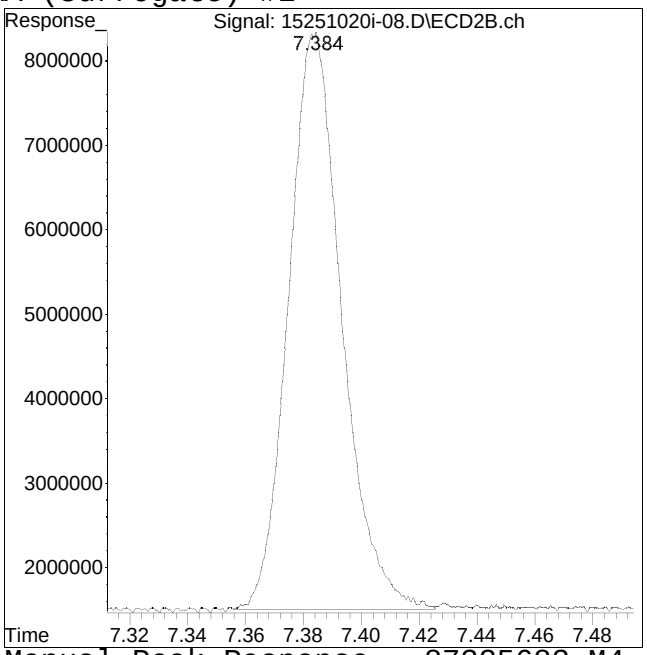
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-08.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 8:01 Instrument : Pest 15
Sample : cicv,42e,,pp 12208 L0.2/20Quant Date : 10/27/2025 10:15 am

Compound #16: DCAA (surrogate) #2



Original Peak Response = 88180385



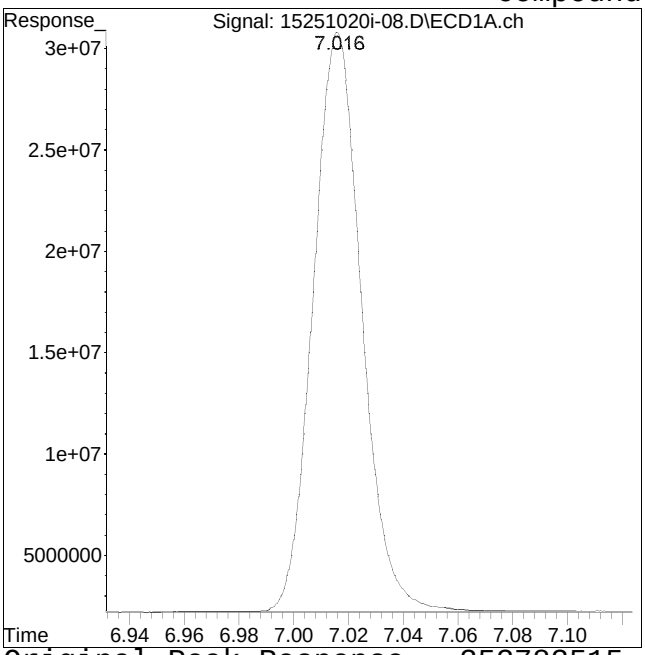
Manual Peak Response = 87335683 M4

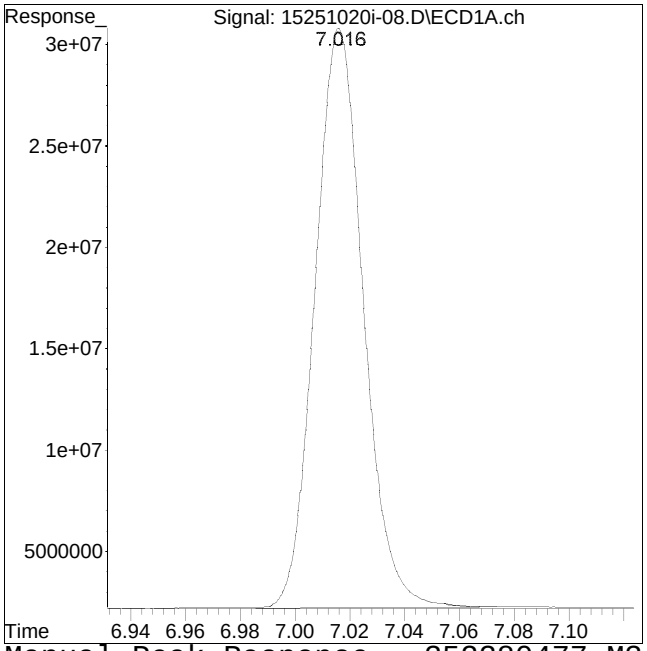
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-08.D
Date Inj'd : 10/20/2025 8:01
Sample : cicv,42e,,pp 12208 L0.2/20
Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/27/2025 10:15 am

Compound #4: Dicamba



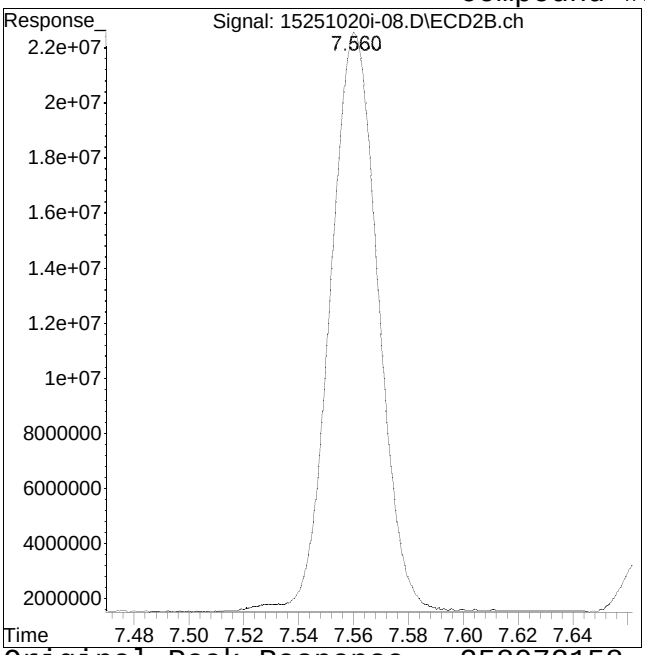


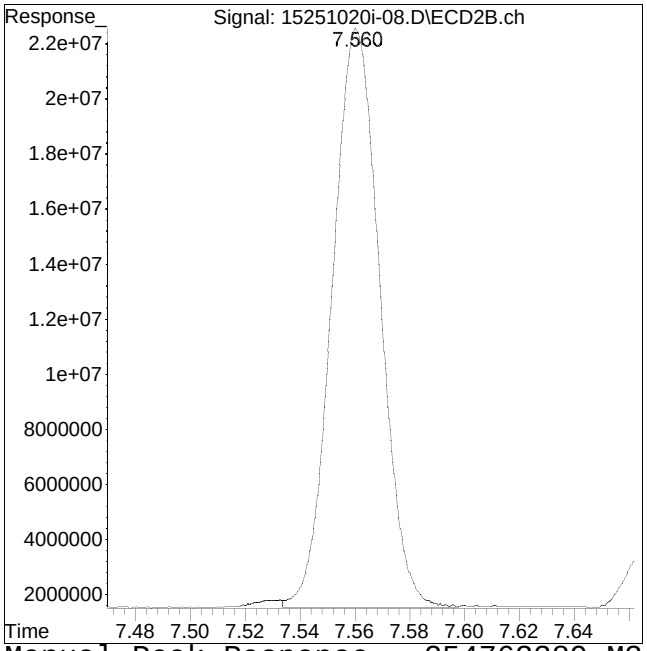
Original Peak Response = 353783515 Manual Peak Response = 352380477 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-08.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 8:01 Instrument : Pest 15
Sample : cicv,42e,,pp 12208 L0.2/20Quant Date : 10/27/2025 10:15 am

Compound #17: Dicamba #2





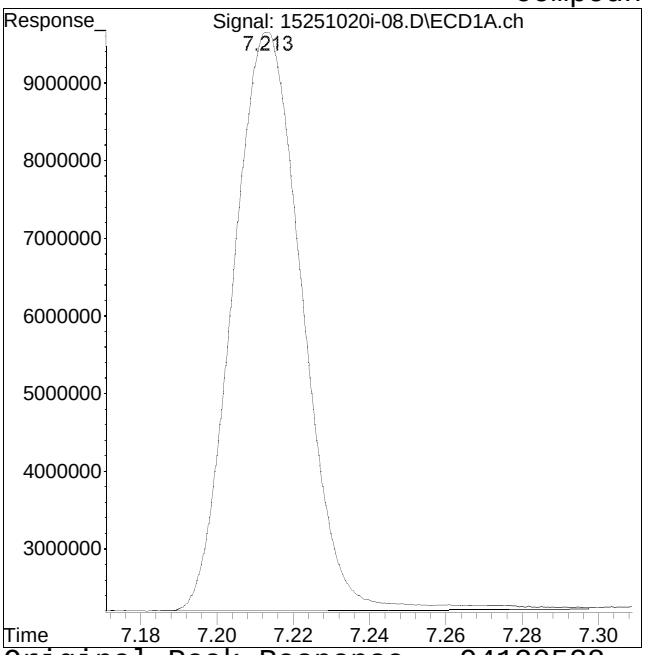
Original Peak Response = 258072158 Manual Peak Response = 254763389 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

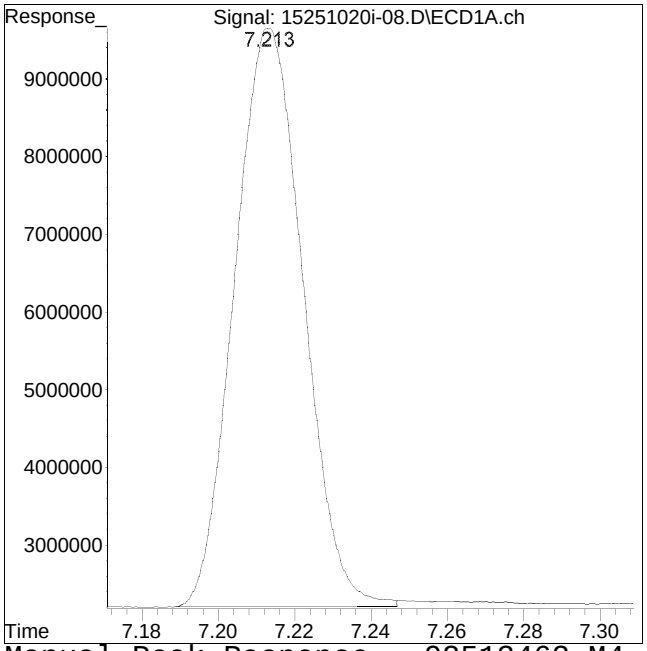
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-08.D
Date Inj'd : 10/20/2025 8:01
Sample : cicv,42e,,pp 12208 L0.2/20

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/27/2025 10:15 am

Compound #5: MCPP



Original Peak Response = 94120528



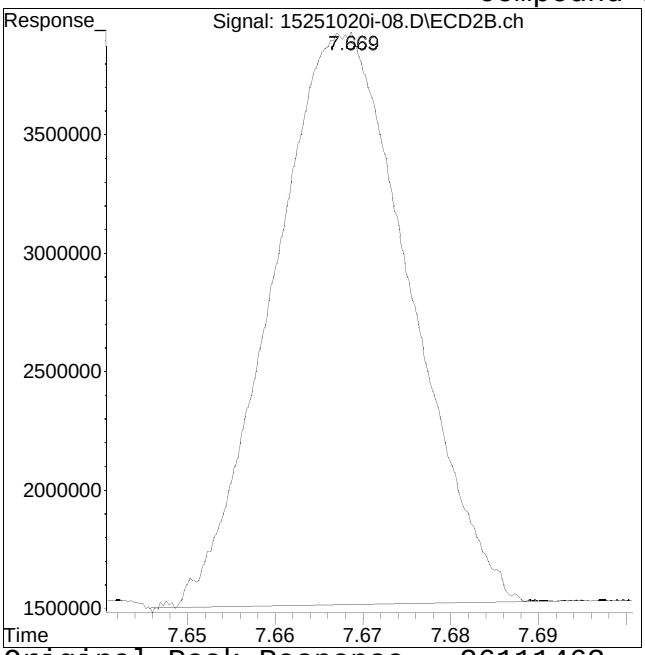
Manual Peak Response = 92513462 M4

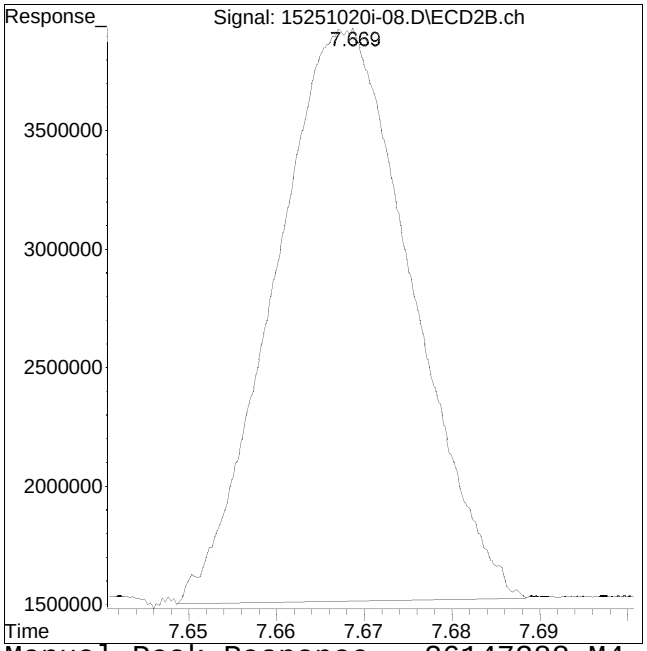
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-08.D
Date Inj'd : 10/20/2025 8:01
Sample : cicv,42e,,pp 12208 L0.2/20
Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/27/2025 10:15 am

Compound #18: MCPP #2



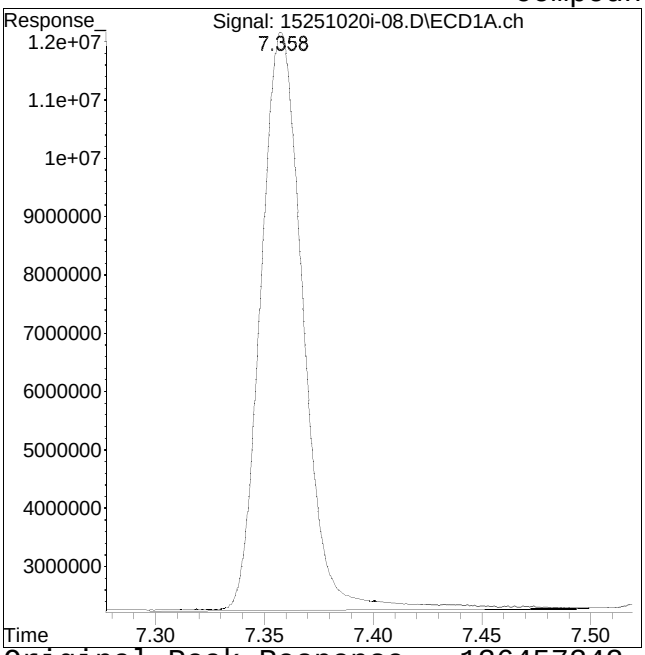


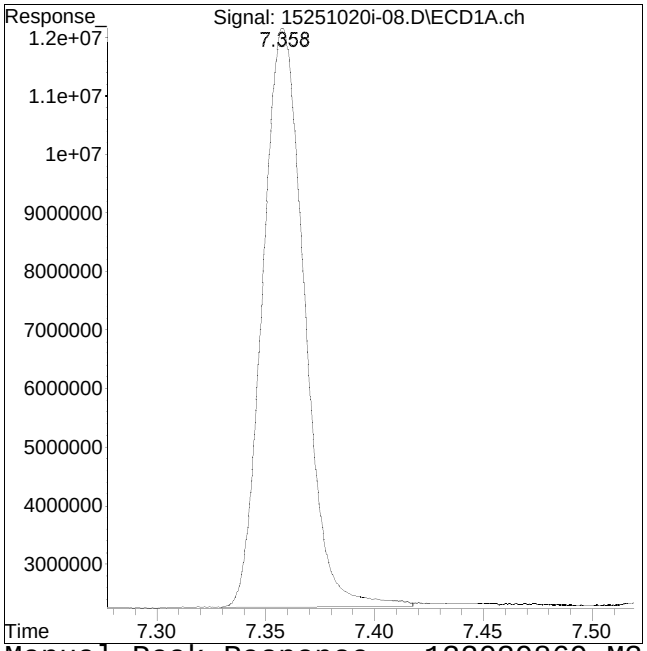
Original Peak Response = 26111463 Manual Peak Response = 26147388 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-08.D
Date Inj'd : 10/20/2025 8:01
Sample : cicv,42e,,pp 12208 L0.2/20
Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/27/2025 10:15 am

Compound #6: MCPA





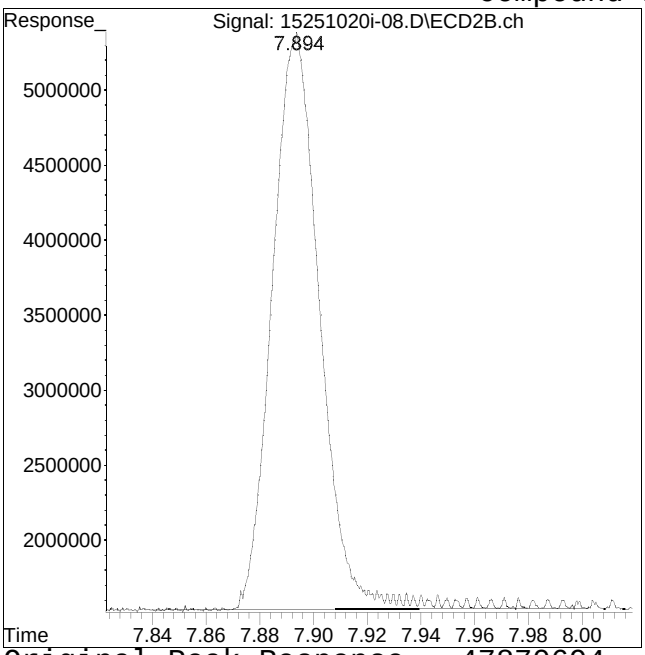
Original Peak Response = 136457342 Manual Peak Response = 132039869 M3

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

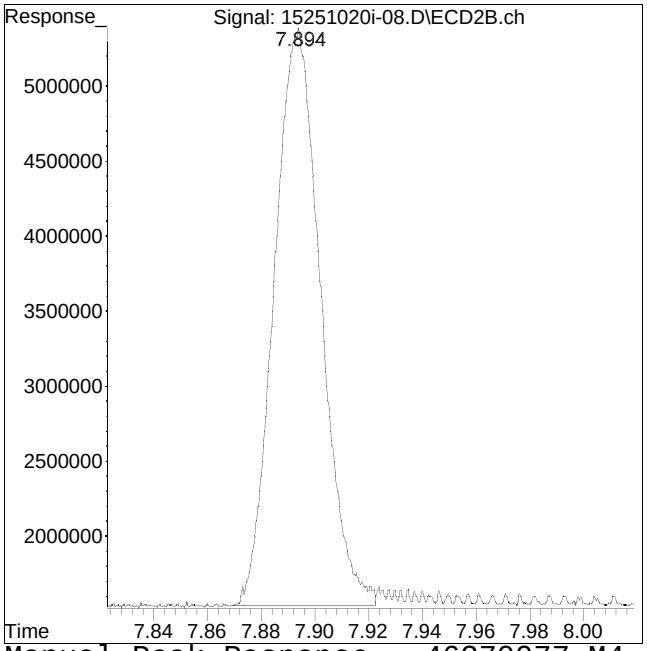
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-08.D
Date Inj'd : 10/20/2025 8:01
Sample : cicv,42e,,pp 12208 L0.2/20
Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/27/2025 10:15 am

Compound #19: MCPA #2



Original Peak Response = 47870694



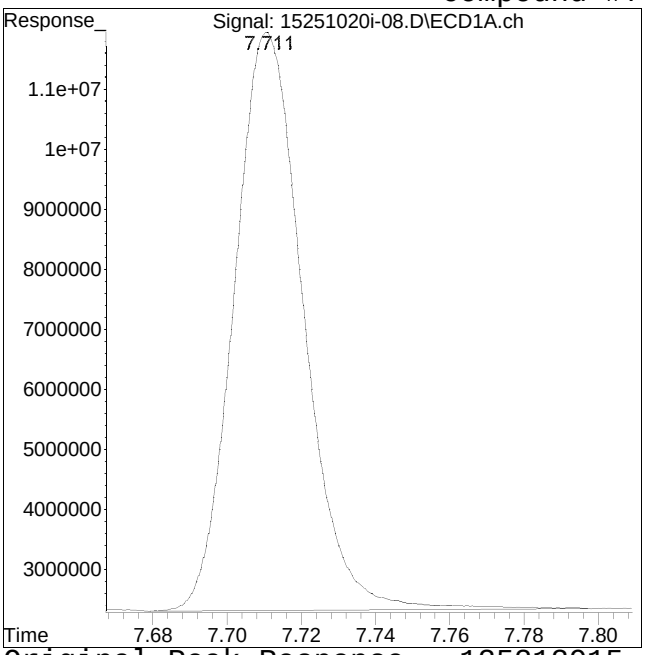
Manual Peak Response = 46270077 M4

M4 = Poor automated baseline construction.

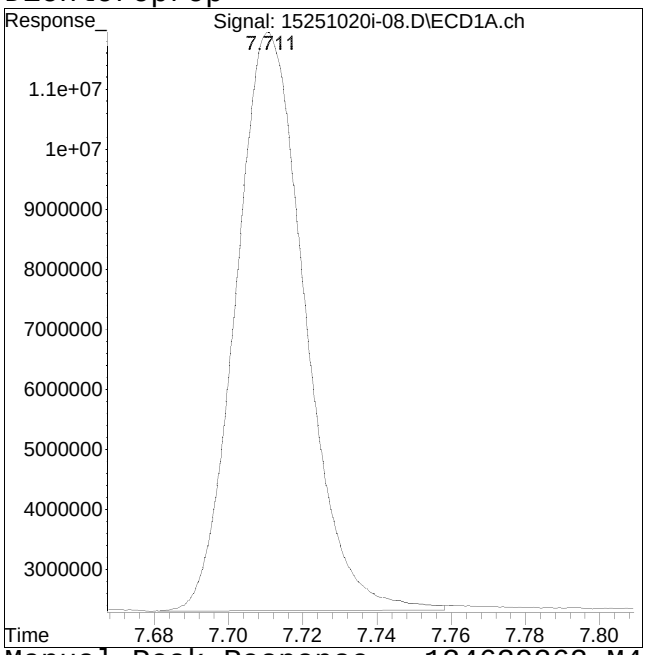
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-08.D
Date Inj'd : 10/20/2025 8:01
Sample : cicv,42e,,pp 12208 L0.2/20
Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/27/2025 10:15 am

Compound #7: Dichloroprop



Original Peak Response = 125212915



Manual Peak Response = 124639262 M4

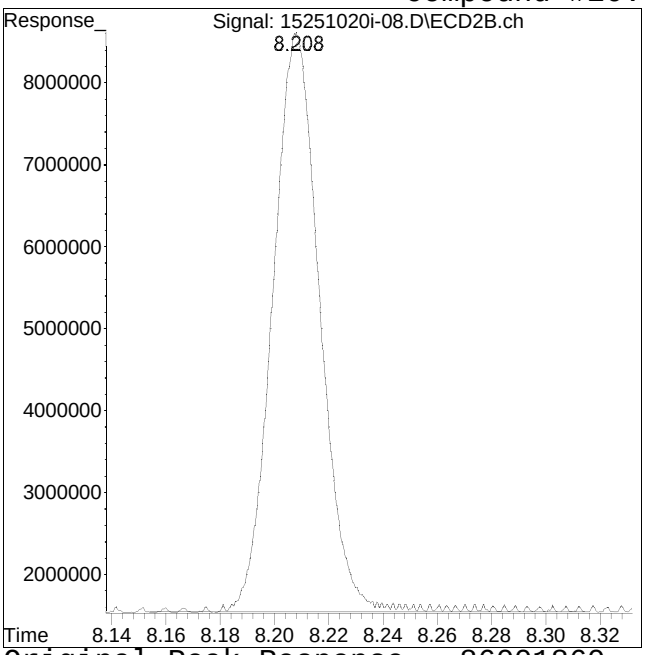
M4 = Poor automated baseline construction.

Manual Integration Report

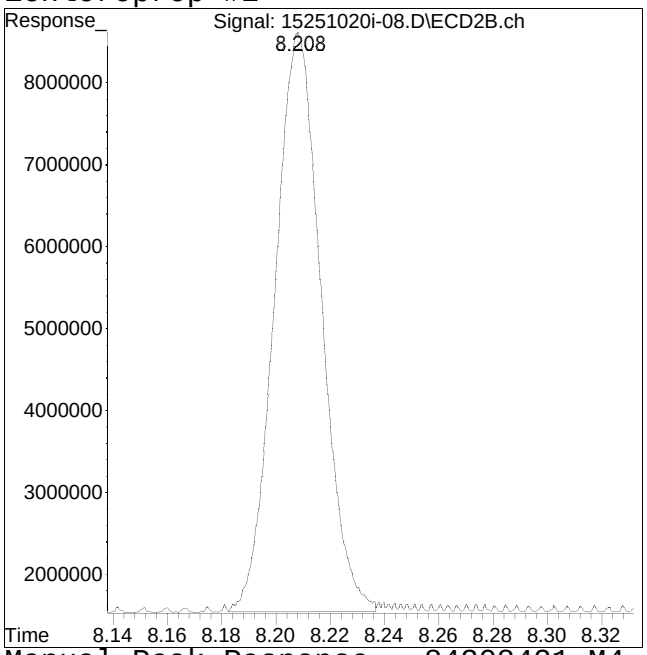
Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-08.D
Date Inj'd : 10/20/2025 8:01
Sample : cicv,42e,,pp 12208 L0.2/20

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/27/2025 10:15 am

Compound #20: Dichloroprop #2



Original Peak Response = 86001860



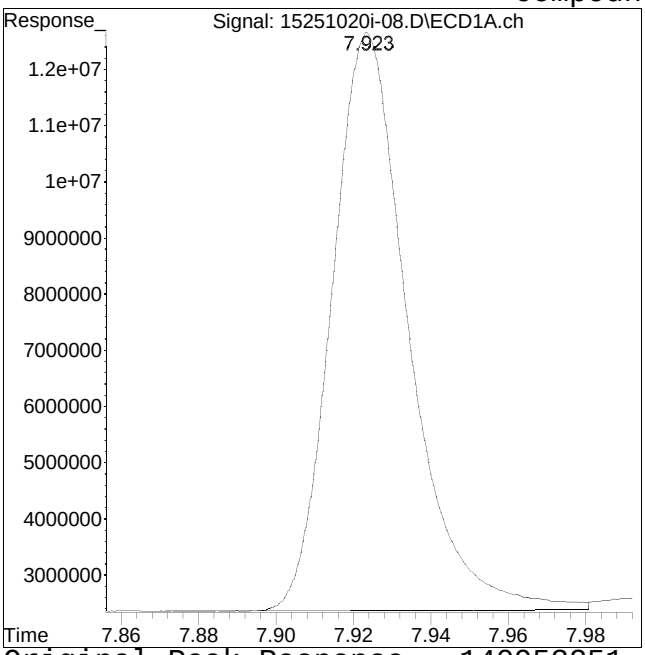
Manual Peak Response = 84208421 M4

M4 = Poor automated baseline construction.

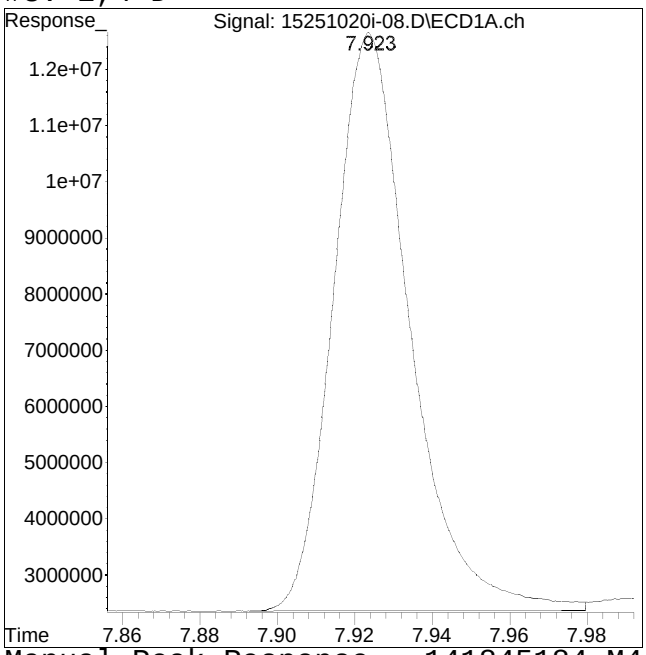
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-08.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 8:01 Instrument : Pest 15
Sample : cicv,42e,,pp 12208 L0.2/20Quant Date : 10/27/2025 10:15 am

Compound #8: 2,4-D



Original Peak Response = 140953251



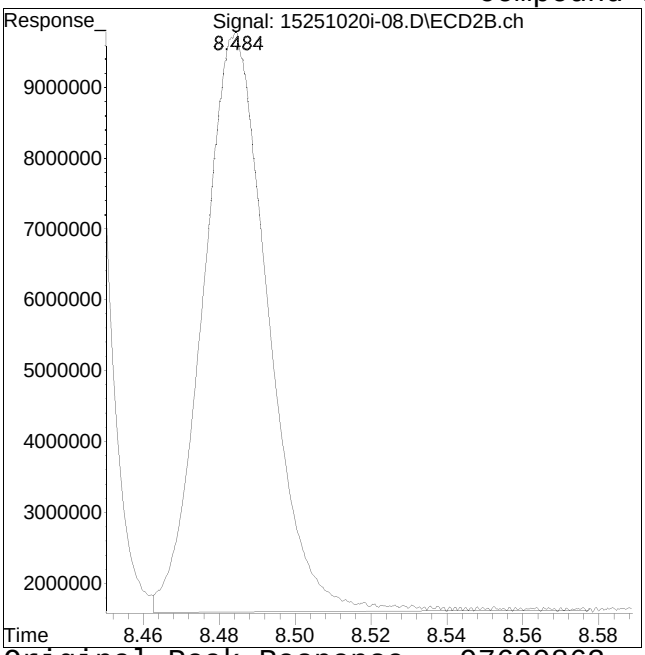
Manual Peak Response = 141845184 M4

M4 = Poor automated baseline construction.

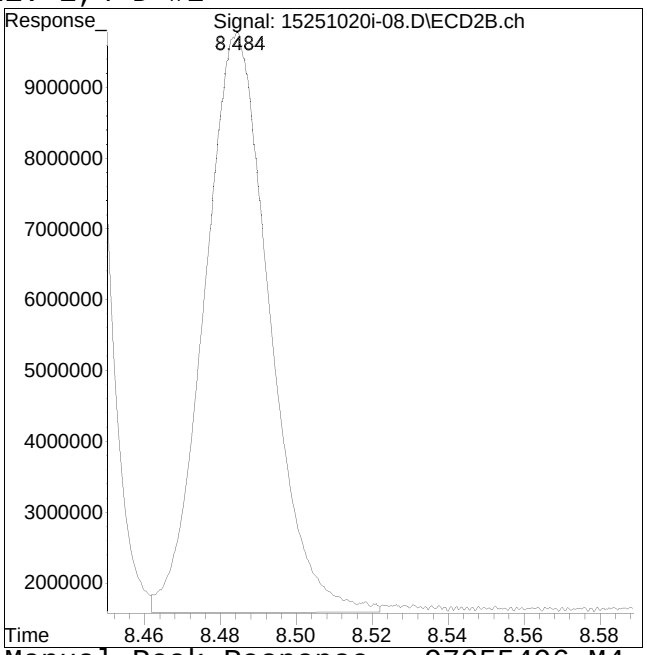
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-08.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 8:01 Instrument : Pest 15
Sample : cicv,42e,,pp 12208 L0.2/20Quant Date : 10/27/2025 10:15 am

Compound #21: 2,4-D #2



Original Peak Response = 97690863



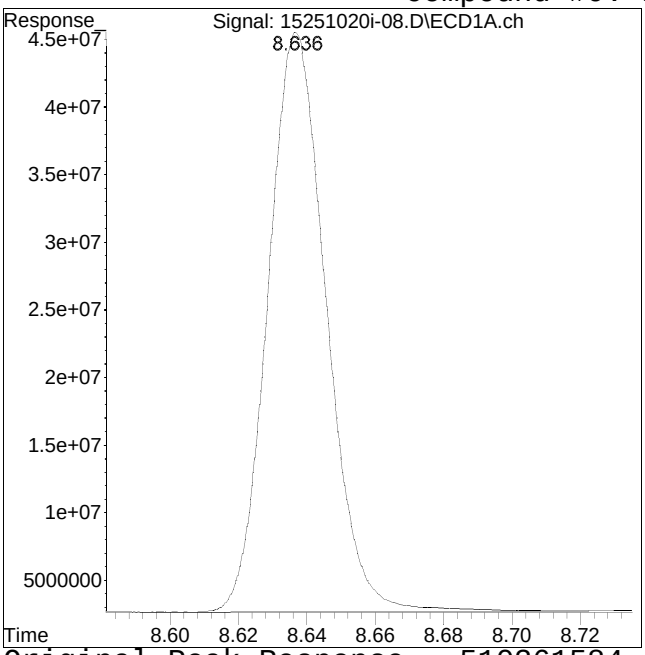
Manual Peak Response = 97055496 M4

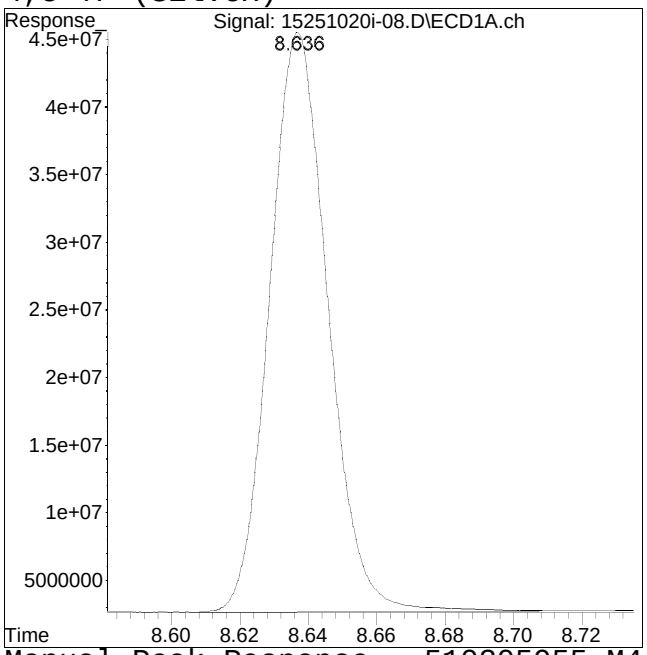
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-08.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 8:01 Instrument : Pest 15
Sample : cicv,42e,,pp 12208 L0.2/20Quant Date : 10/27/2025 10:15 am

Compound #9: 2,4,5-TP (Silvex)



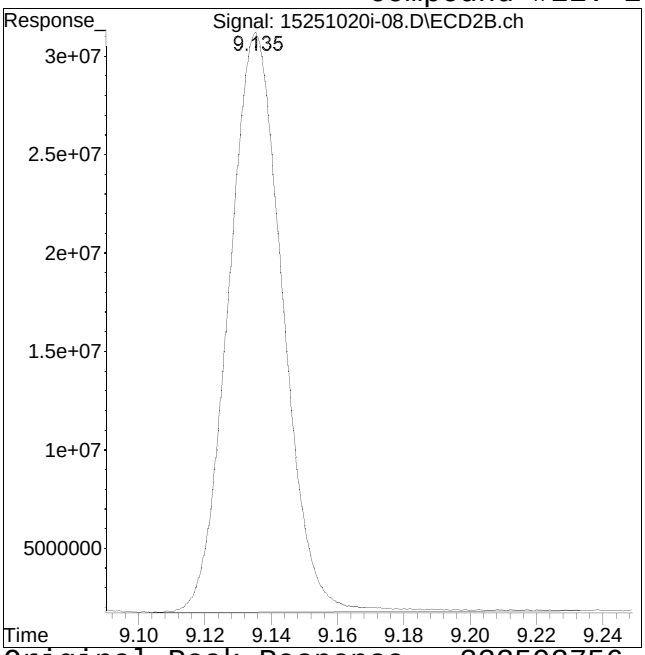


Original Peak Response = 510361584 Manual Peak Response = 510305955 M4
M4 = Poor automated baseline construction.

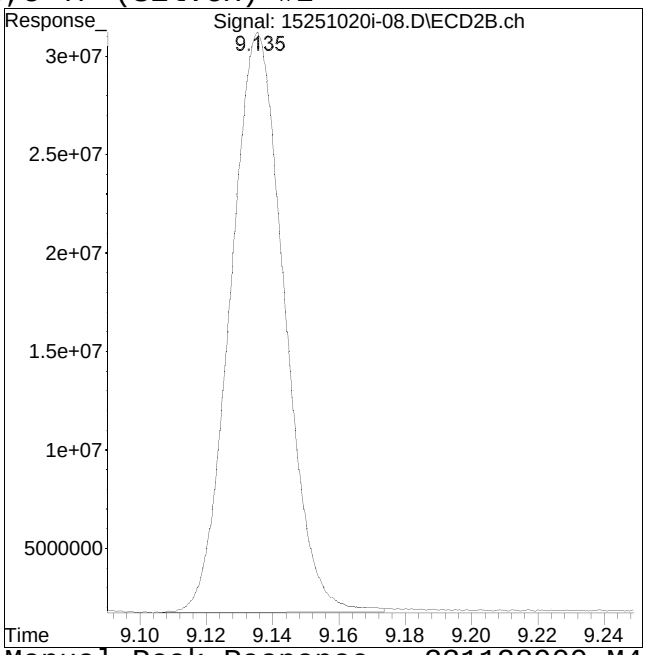
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-08.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 8:01 Instrument : Pest 15
Sample : cicv,42e,,pp 12208 L0.2/20Quant Date : 10/27/2025 10:15 am

Compound #22: 2,4,5-TP (Silvex) #2



Original Peak Response = 333593756



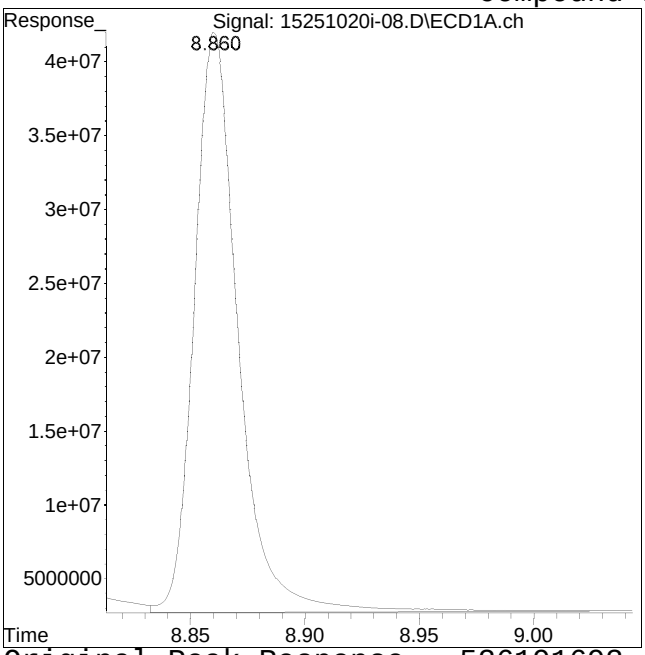
Manual Peak Response = 331128900 M4
M4 = Poor automated baseline construction.

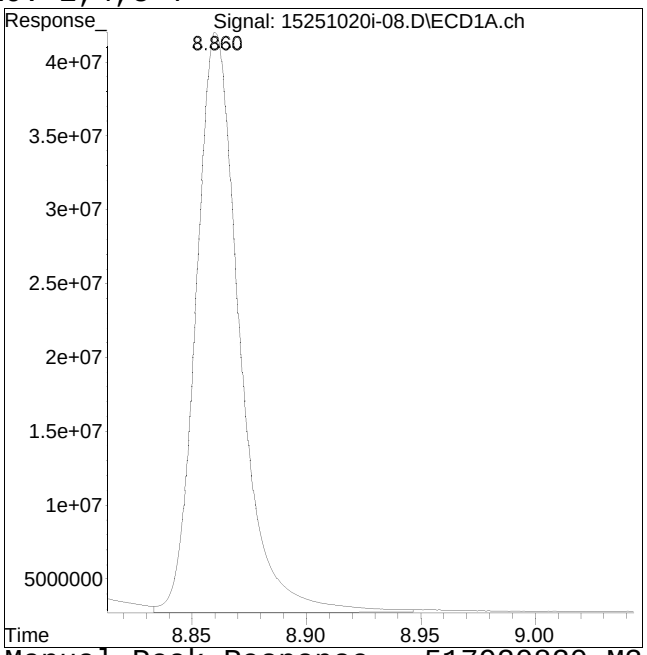
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-08.D
Date Inj'd : 10/20/2025 8:01
Sample : cicv,42e,,pp 12208 L0.2/20

Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/27/2025 10:15 am

Compound #10: 2,4,5-T





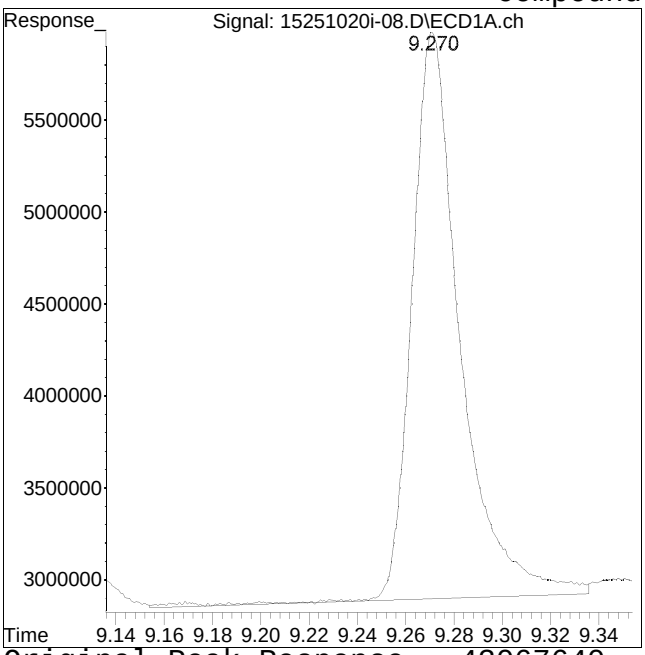
Original Peak Response = 526191693 Manual Peak Response = 517920820 M3

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

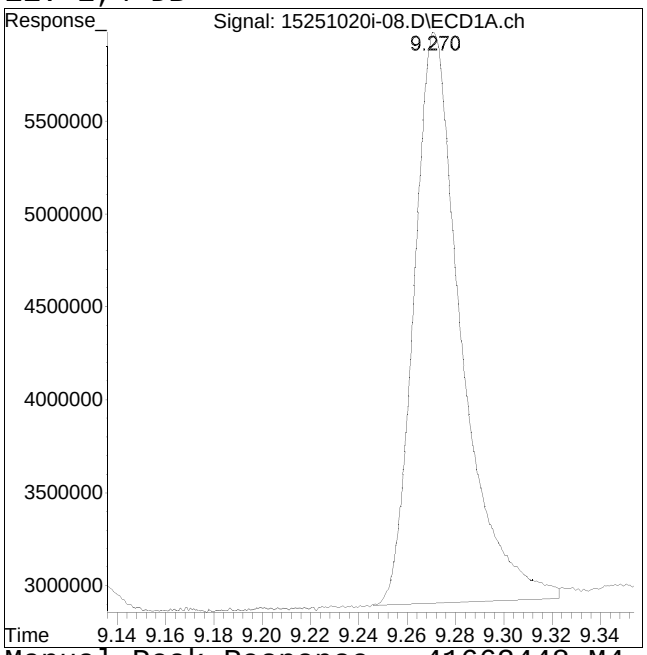
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-08.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 8:01 Instrument : Pest 15
Sample : cicv,42e,,pp 12208 L0.2/20Quant Date : 10/27/2025 10:15 am

Compound #11: 2,4-DB



Original Peak Response = 43067640



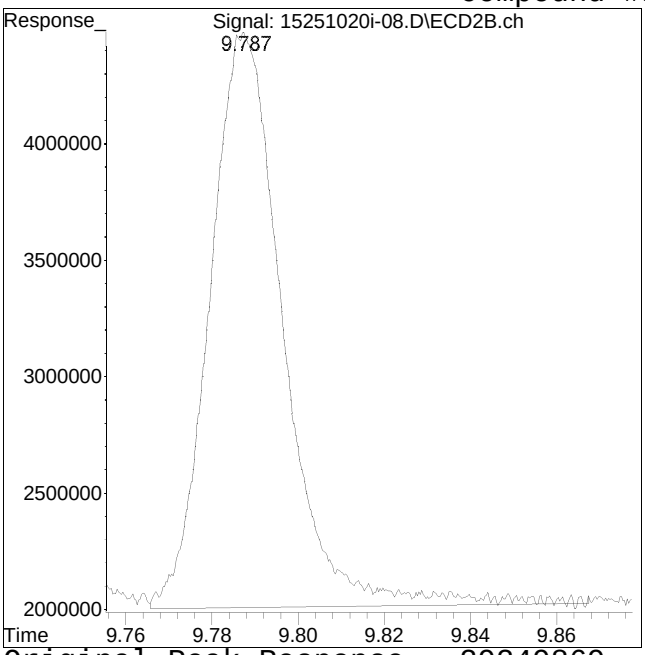
Manual Peak Response = 41662448 M4

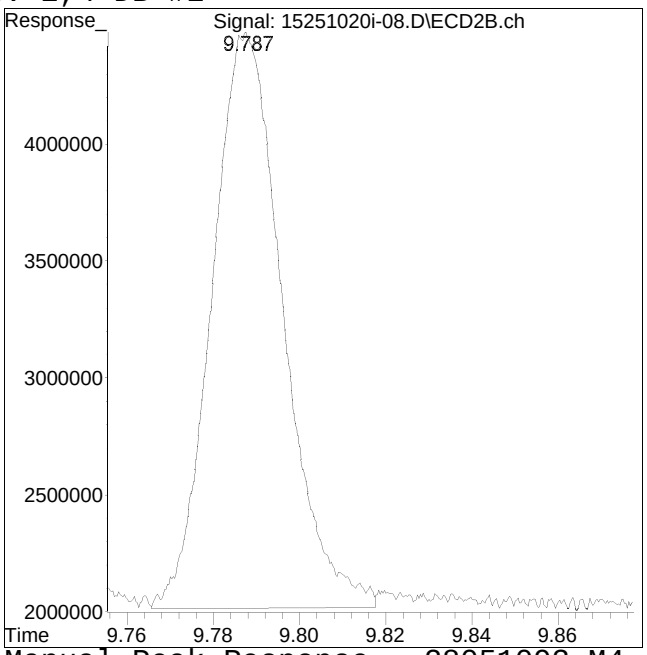
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-08.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 8:01 Instrument : Pest 15
Sample : cicv,42e,,pp 12208 L0.2/20Quant Date : 10/27/2025 10:15 am

Compound #24: 2,4-DB #2



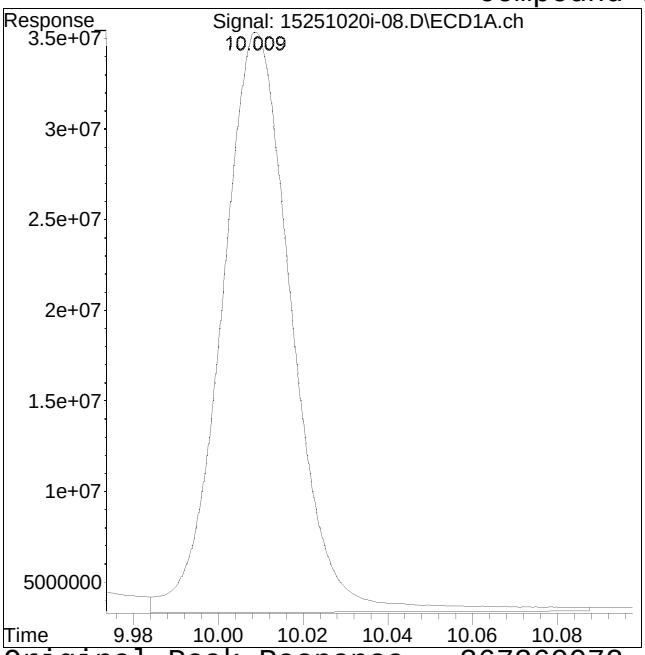


Original Peak Response = 29249869 Manual Peak Response = 28051093 M4
M4 = Poor automated baseline construction.

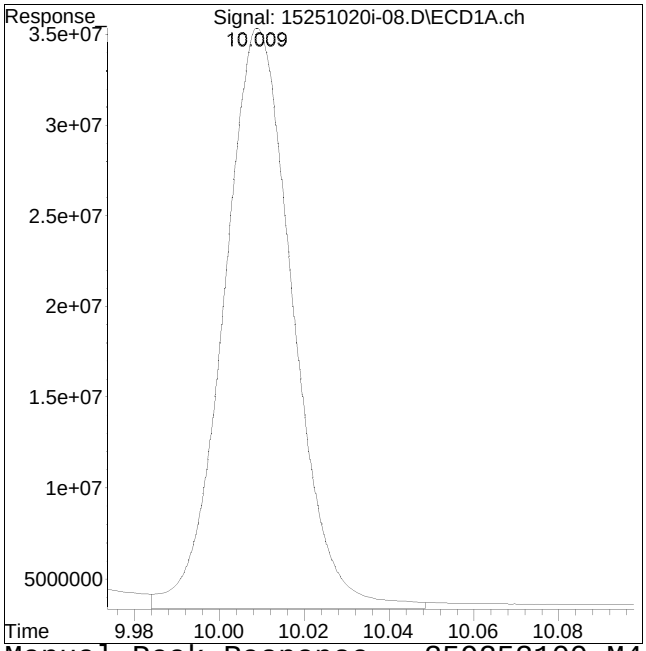
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020Q
Data File : 15251020i-08.D
Date Inj'd : 10/20/2025 8:01
Sample : cicv,42e,,pp 12208 L0.2/20
Method : Herb15_2025_10_20_mgL_IC
Operator : Pest15:ejl
Instrument : Pest 15
Quant Date : 10/27/2025 10:15 am

Compound #12: Dinoseb



Original Peak Response = 367369972



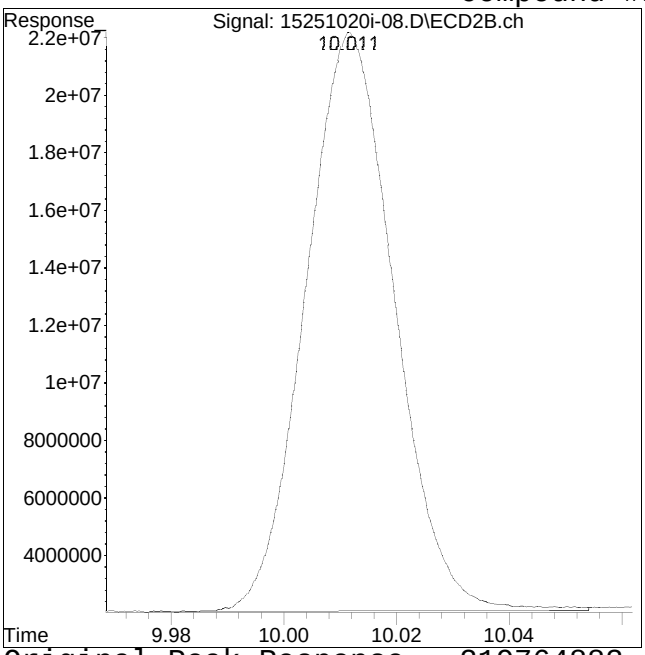
Manual Peak Response = 359253100 M4

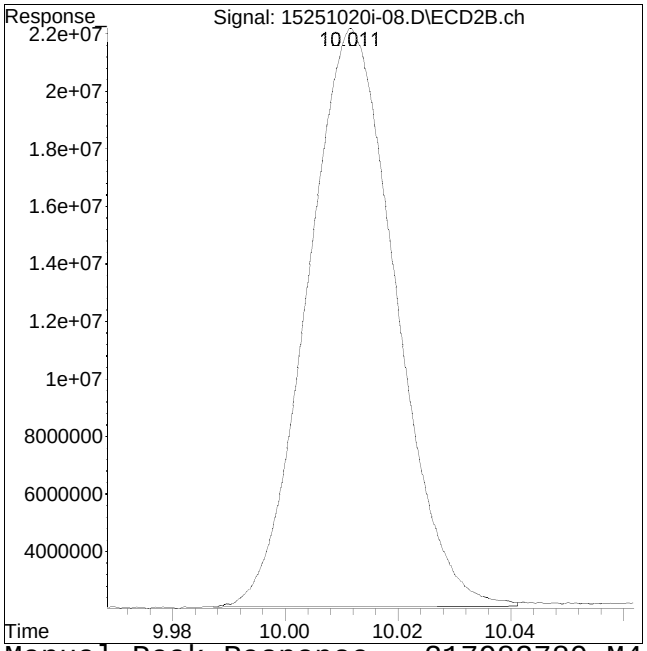
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251020QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251020i-08.D Operator : Pest15:ejl
Date Inj'd : 10/20/2025 8:01 Instrument : Pest 15
Sample : cicv,42e,,pp 12208 L0.2/20Quant Date : 10/27/2025 10:15 am

Compound #25: Dinoseb #2





Original Peak Response = 219764883 Manual Peak Response = 217983780 M4
M4 = Poor automated baseline construction.

Evaluate Relative Error Report Pest 15

Method Path : I:\PEST\Pest15\2025\251020ICAL\
Method File : Herb15_2025_10_20_mgL_ICAL.m
Title : herb
Last Update : Fri Oct 24 15:10:51 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
5	T MCPP	Q	mg/l	18.8	21.143	12.5	4.70	3.955	-15.9
6	T MCPA	Q	mg/l	18.6	21.328	14.7	4.65	3.801	-18.3
11	T 2,4-DB	L	mg/l	0.2	0.170	-11.5	0.10	0.109	13.5
24	T 2,4-DB #2	L	mg/l	0.2	0.174	-9.4	0.10	0.112	16.7

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
5	T MCPP	Quadratic	0.995876	-0.000000	0.00116882	0.0134446
6	T MCPA	Quadratic	0.994563	-0.000001	0.00155691	0.0277018
11	T 2,4-DB	Linear	0.997428	0.000000	0.107094	-0.0193767
24	T 2,4-DB #2	Linear	0.995507	0.000000	0.107841	-0.0209952

Continuing Calibration

Calibration Verification Summary
Form 7
Pesticides

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576		
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000		
Instrument ID	: PEST15	**Calibration Date**	: 12/02/25 17:01		
Lab File ID	: 15251202a-19	**Init. Calib. Date(s)**	: 10/20/25	10/20/25	
Sample No	: WG2148330-2	**Init. Calib. Times**	: 06:09	07:43	
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	87	0
Dalapon	0.225	0.251	-	-11.6	15	96	.06
DCAA (surrogate)	0.187	0.192	-	-2.7	15	82	0
Dicamba	0.55	0.584	-	-6.2	15	86	0
MCPP	18.8	7.028	-	62.6*	15	36	0
MCPA	18.6	9.151	-	50.8*	15	46	0
Dichloroprop	0.172	0.182	-	-5.8	15	85	0
2,4-D	0.211	0.219	-	-3.8	15	84	-.01
2,4,5-TP (Silvex)	0.758	0.782	-	-3.2	15	84	-.01
2,4,5-T	0.755	0.728	-	3.6	15	78	-.03
2,4-DB	0.192	0.246	-	-28.1*	15	138	-.03
Dinoseb	0.528	0.489	-	7.4	15	74	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Pesticides

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576		
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000		
Instrument ID	: PEST15	**Calibration Date**	: 12/02/25 17:01		
Lab File ID	: 15251202a-19	**Init. Calib. Date(s)**	: 10/20/25	10/20/25	
Sample No	: WG2148330-2	**Init. Calib. Times**	: 06:09	07:43	
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	91	0
Dalapon	0.295	0.278	-	5.8	15	87	.07
DCAA (surrogate)	0.205	0.233	-	-13.7	15	96	0
Dicamba	0.617	0.636	-	-3.1	15	89	0
MCPP	0.0006	0.00073	-	-21.7*	15	105	0
MCPA	0.00108	0.00136	-	-25.9*	15	109	0
Dichloroprop	0.18	0.217	-	-20.6*	15	104	0
2,4-D	0.226	0.255	-	-12.8	15	97	0
2,4,5-TP (Silvex)	0.794	0.793	-	0.1	15	87	0
2,4,5-T	0.765	0.675	-	11.8	15	78	-.01
2,4-DB	0.192	0.27	-	-40.6*	15	157	-.02
Dinoseb	0.504	0.432	-	14.3	15	75	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest15\2025\251202A\
Data File : 15251202a-19.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 2 Dec 2025 17:01
Operator : Pest15:peg
Sample   : wg2148330-2,42,,herb12235 (Sig #1); herb12235 (Sig #2)
Misc   : wg2148330,,ical22766
ALS Vial : 19   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 03 12:59:52 2025
Quant Method : I:\PEST\Pest15\2025\251202A\Herb15_2025_10_20_mgL_ICAL22766.m
Quant Title : herb
QLast Update : Wed Dec 03 05:56:44 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	4,4'-DBOB	^	1.000	1.000	0.0	87	0.00
2	t	Dalapon		0.225	0.251	-11.6	96	0.06
3	s	DCAA (surrogate)		0.187	0.192	-2.7	82	0.00
4	t	Dicamba		0.550	0.584	-6.2	86	0.00
5	t	MCPP	*	18.800	7.028	62.6#	36	0.00
6	t	MCPA	*	18.600	9.151	50.8#	46	0.00
7	t	Dichloroprop		0.172	0.182	-5.8	85	0.00
8	t	2,4-D		0.211	0.219	-3.8	84	-0.01
9	t	2,4,5-TP (Silvex)		0.758	0.782	-3.2	84	-0.01
10	t	2,4,5-T		0.755	0.728	3.6	78	-0.03
11	t	2,4-DB	*	0.192	0.246	-28.1#	138	-0.03
12	t	Dinoseb		0.528	0.489	7.4	74	0.00

Signal #2

1	i	4,4'-DBOB	^	1.000	1.000	0.0	91	0.00
2	t	Dalapon		0.295	0.278	5.8	87	0.07
3	s	DCAA (surrogate)		0.205	0.233	-13.7	96	0.00
4	t	Dicamba		0.617	0.636	-3.1	89	0.00
5	t	MCPP		0.00060	0.00073	-21.7#	105	0.00
6	t	MCPA		0.00108	0.00136	-25.9#	109	0.00
7	t	Dichloroprop		0.180	0.217	-20.6#	104	0.00
8	t	2,4-D		0.226	0.255	-12.8	97	0.00
9	t	2,4,5-TP (Silvex)		0.794	0.793	0.1	87	0.00
10	t	2,4,5-T		0.765	0.675	11.8	78	-0.01
11	t	2,4-DB	*	0.192	0.270	-40.6#	157	-0.02
12	t	Dinoseb		0.504	0.432	14.3	75	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest15\2025\251202A\
Data File : 15251202a-19.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 2 Dec 2025 17:01
Operator : Pest15:peg
Sample   : wg2148330-2,42,,herb12235 (Sig #1); herb12235 (Sig #2)
Misc   : wg2148330,,ical22766
ALS Vial : 19   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 03 12:59:52 2025
Quant Method : I:\PEST\Pest15\2025\251202A\Herb15_2025_10_20_mgL_ICAL22766.m
Quant Title : herb
QLast Update : Wed Dec 03 05:56:44 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

Signal #2

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* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest15\2025\251202A\
Data File : 15251202a-19.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2025 17:01
Operator : Pest15:peg
Sample : wg2148330-2,42,,herb12235 (Sig #1); herb12235 (Sig #2)
Misc : wg2148330,,ical22766
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 03 12:59:52 2025
Quant Method : I:\PEST\Pest15\2025\251202A\Herb15_2025_10_20_mgL_ICAL22766.m
Quant Title : herb
QLast Update : Wed Dec 03 05:56:44 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.384	8.463	789.5E6	534.1E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.943	7.470	113.9E6	93700102	0.193M4	0.214M4
		Spiked Amount 0.500	Range 30 - 150		Recovery =		38.60%	42.80%
		Target Compounds						
2)	t	Dalapon	2.333f	2.487f	144.4E6	108.2E6	0.203M2	0.172M2
4)	t	Dicamba	7.109	7.639	347.0E6	255.4E6	0.200M4	0.194M4
5)	t	MCPP	7.292	7.734	36244224	29431484	7.028	22.857M4 D
6)	t	MCPA	7.428	7.949	66193890	54108146	9.151M4	23.476M4 D
7)	t	Dichloroprop	7.760	8.248	108.1E6	87324006	0.199M4	0.227M4
8)	t	2,4-D	7.963	8.515	129.9E6	102.3E6	0.195M4	0.212M4
9)	t	2,4,5-TP (Si	8.649	9.145	469.2E6	321.8E6	0.196M4	0.190M4
10)	t	2,4,5-T	8.870f	9.432	436.7E6	274.0E6	0.183M4	0.168M4
11)	t	2,4-DB	9.274f	9.787f	68015623	50995034	0.246M2	0.270M4
12)	t	Dinoseb	9.996	10.003	293.3E6	175.2E6	0.176M4	0.163M4

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest15\2025\251202A\
Data File : 15251202a-19.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2025 17:01
Operator : Pest15:peg
Sample : wg2148330-2,42,,herb12235 (Sig #1); herb12235 (Sig #2)
Misc : wg2148330,,ical22766
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 03 12:59:52 2025
Quant Method : I:\PEST\Pest15\2025\251202A\Herb15_2025_10_20_mgL_ICAL22766.m
Quant Title : herb
QLast Update : Wed Dec 03 05:56:44 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

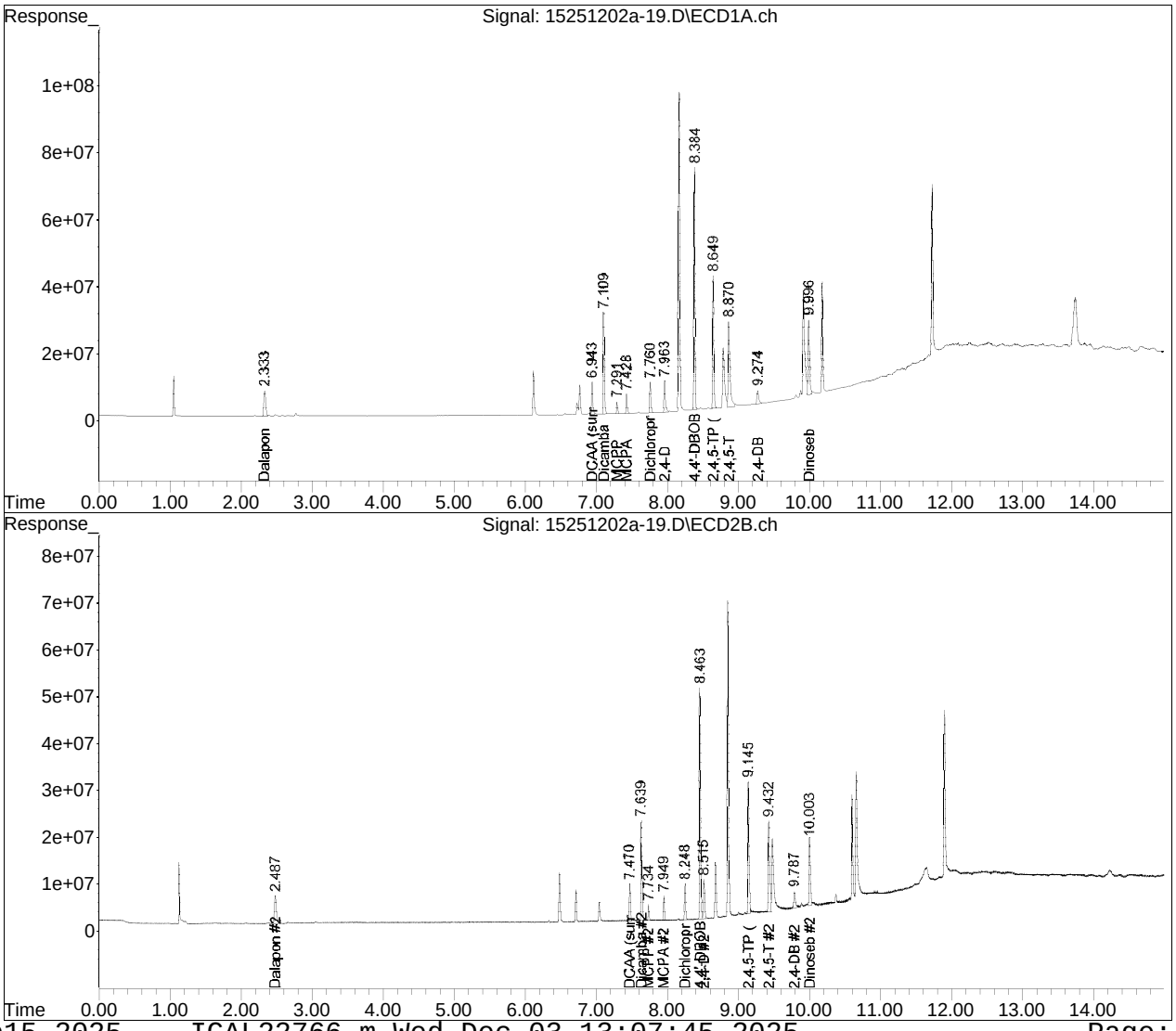
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest15\2025\251202A\
Data File : 15251202a-19.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2025 17:01
Operator : Pest15:peg
Sample : wg2148330-2,42,,herb12235 (Sig #1); herb12235 (Sig #2)
Misc : wg2148330,,ical22766
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 03 12:59:52 2025
Quant Method : I:\PEST\Pest15\2025\251202A\Herb15_2025_10_20_mgL_ICAL22766.m
Quant Title : herb
QLast Update : Wed Dec 03 05:56:44 2025
Response via : Initial Calibration
Integrator: ChemStation

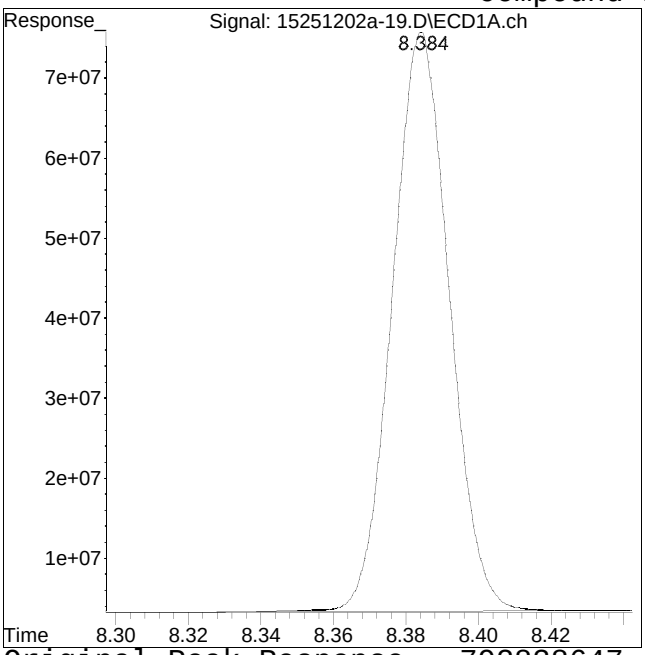
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

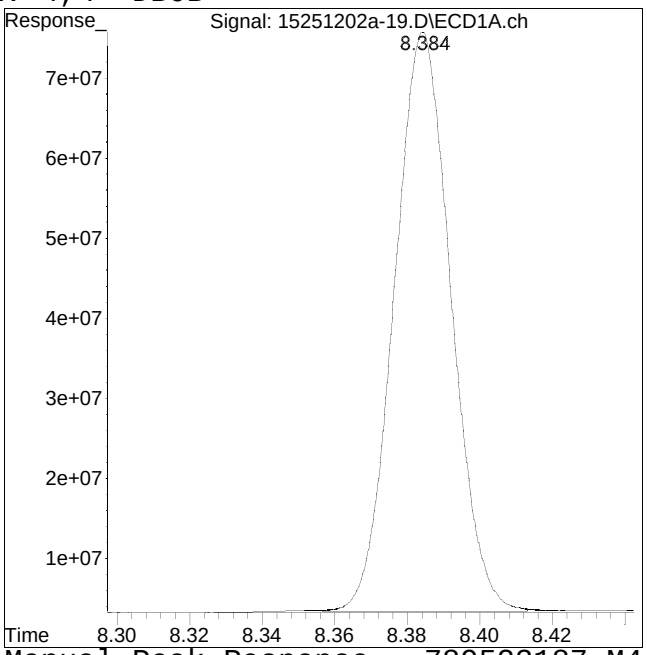


Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-19.D Operator : Pest15:peg
Date Inj'd : 12/2/2025 17:01 Instrument : Pest 15
Sample : wg2148330-2,42,,herb12235 Quant Date : 12/3/2025 12:59 pm

Compound #1: 4,4'-DBOB



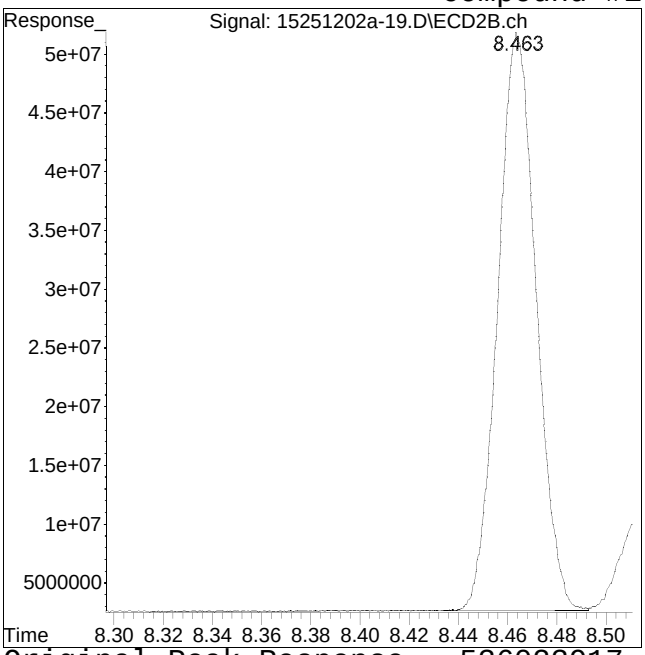


Original Peak Response = 792838647 Manual Peak Response = 789523187 M4
M4 = Poor automated baseline construction.

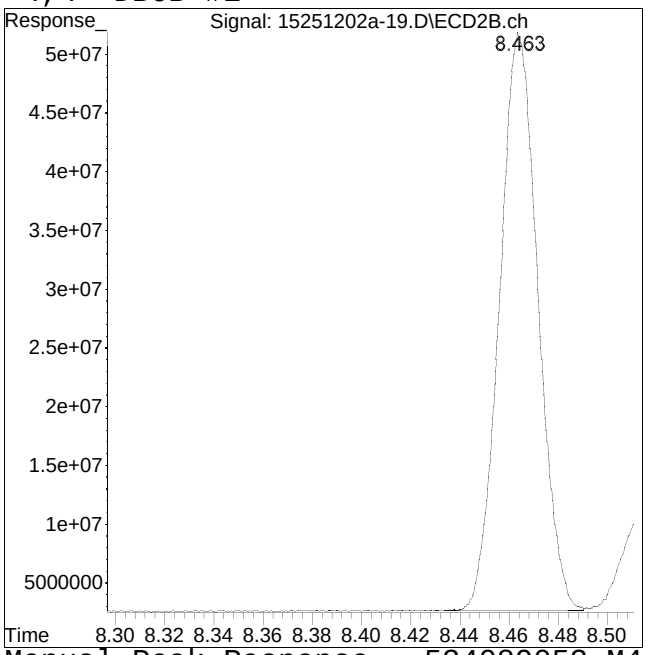
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-19.D Operator : Pest15:peg
Date Inj'd : 12/2/2025 17:01 Instrument : Pest 15
Sample : wg2148330-2,42,,herb12235 Quant Date : 12/3/2025 12:59 pm

Compound #14: 4,4'-DBOB #2



Original Peak Response = 536023917



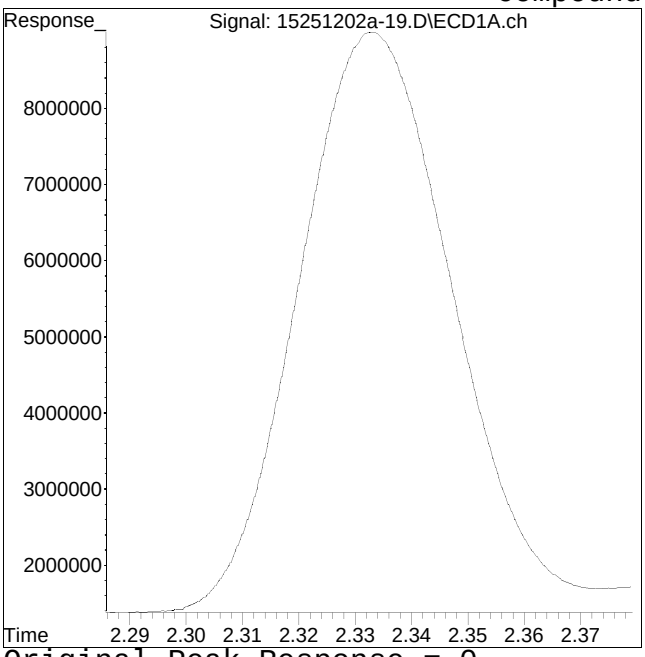
Manual Peak Response = 534089053 M4

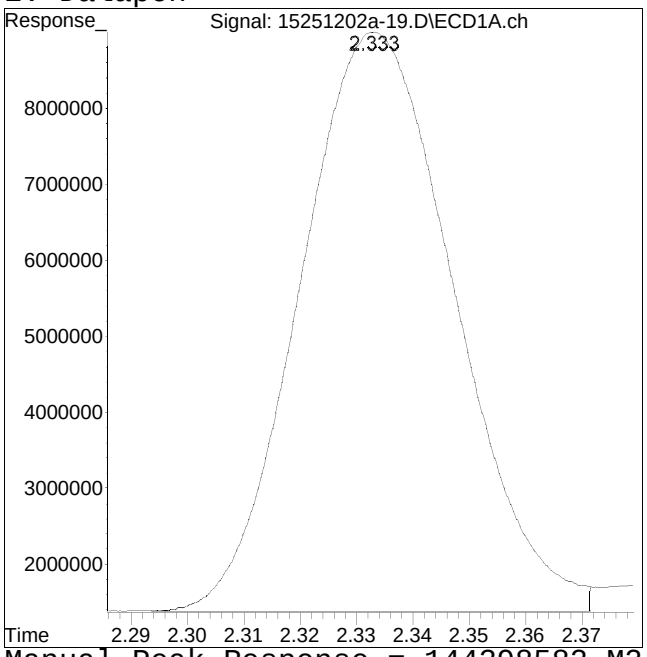
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-19.D Operator : Pest15:peg
Date Inj'd : 12/2/2025 17:01 Instrument : Pest 15
Sample : wg2148330-2,42,,herb12235 Quant Date : 12/3/2025 12:59 pm

Compound #2: Dalapon



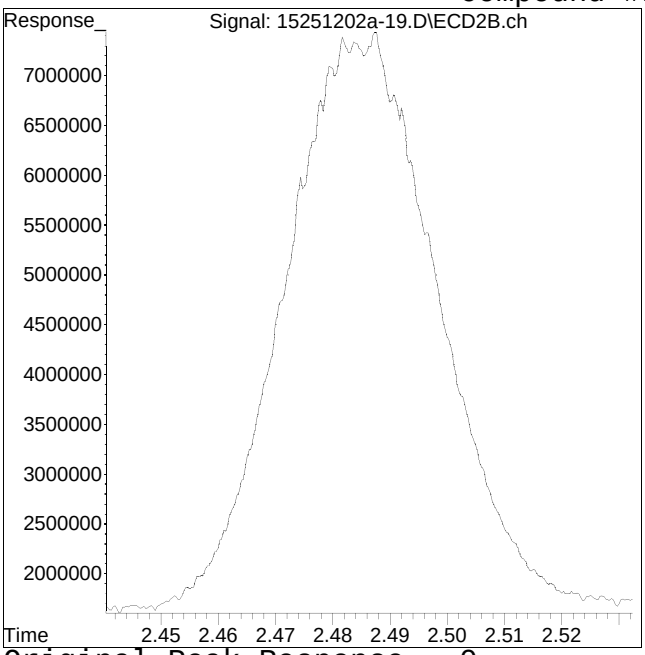


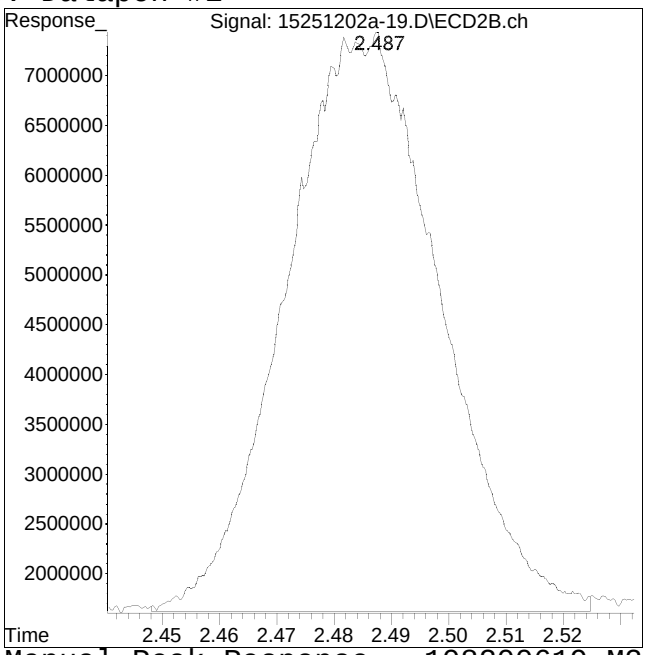
Original Peak Response = 0 Manual Peak Response = 144398582 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-19.D Operator : Pest15:peg
Date Inj'd : 12/2/2025 17:01 Instrument : Pest 15
Sample : wg2148330-2,42,,herb12235 Quant Date : 12/3/2025 12:59 pm

Compound #15: Dalapon #2



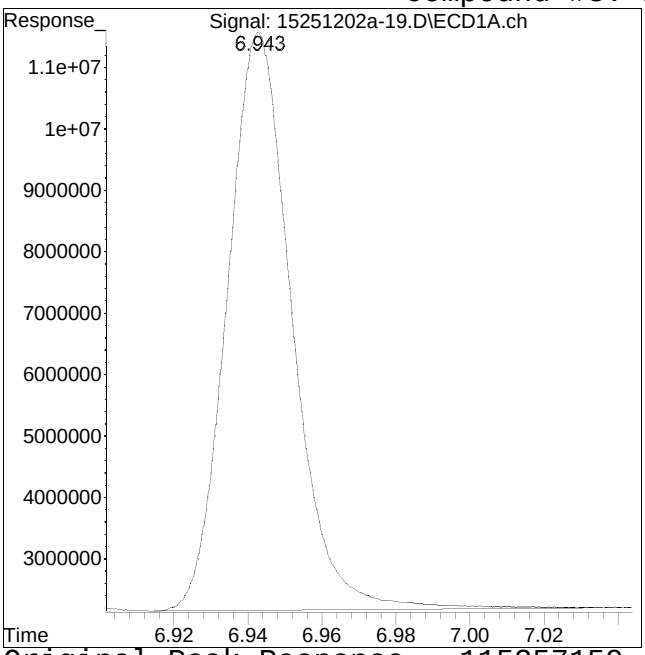


Original Peak Response = 0 Manual Peak Response = 108200619 M2
M2 = Peak not found by automatic integration algorithm.

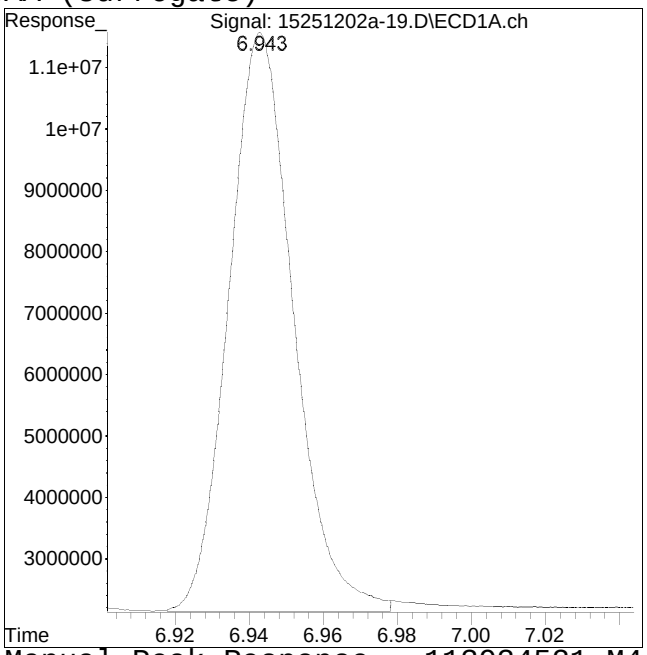
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-19.D Operator : Pest15:peg
Date Inj'd : 12/2/2025 17:01 Instrument : Pest 15
Sample : wg2148330-2,42,,herb12235 Quant Date : 12/3/2025 12:59 pm

Compound #3: DCAA (surrogate)



Original Peak Response = 115257159



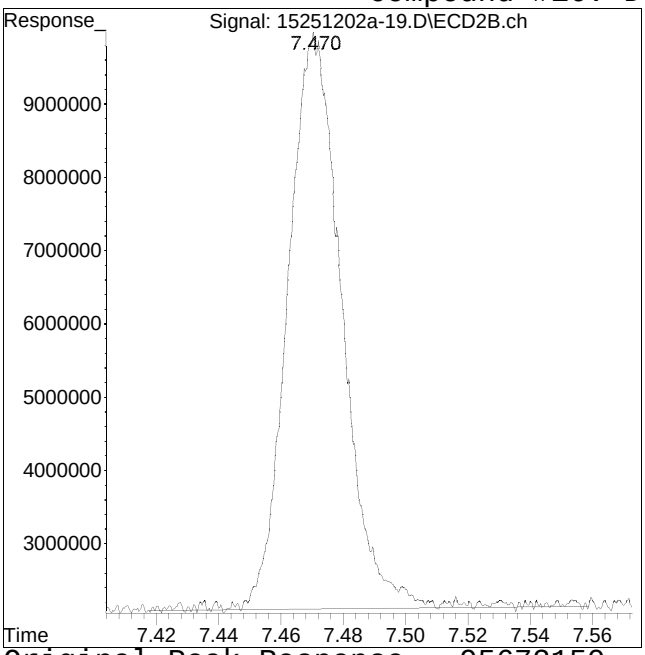
Manual Peak Response = 113934521 M4

M4 = Poor automated baseline construction.

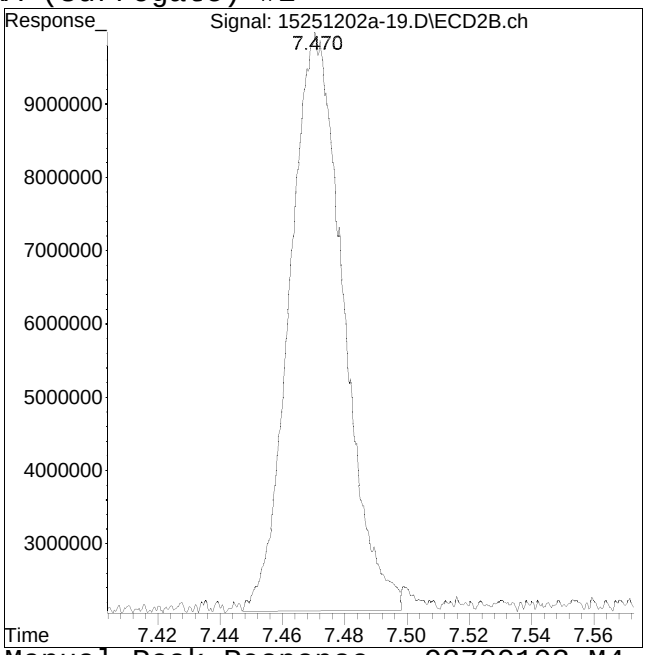
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-19.D Operator : Pest15:peg
Date Inj'd : 12/2/2025 17:01 Instrument : Pest 15
Sample : wg2148330-2,42,,herb12235 Quant Date : 12/3/2025 12:59 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 95672150



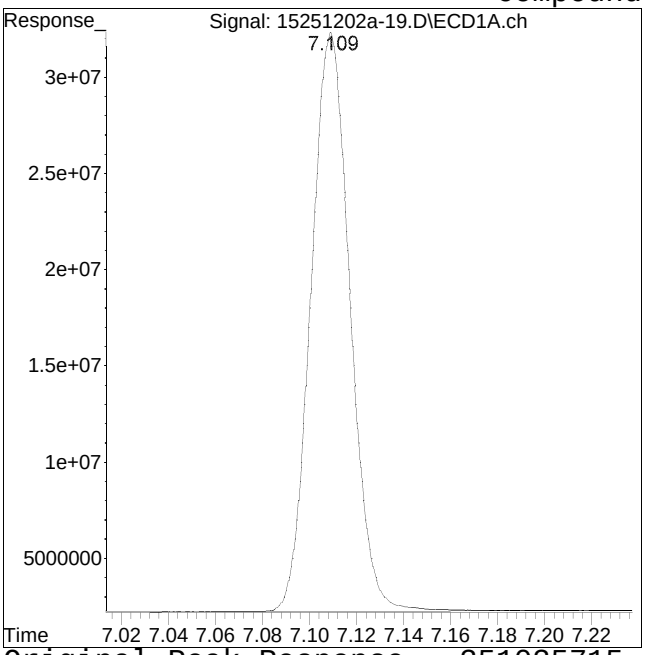
Manual Peak Response = 93700102 M4

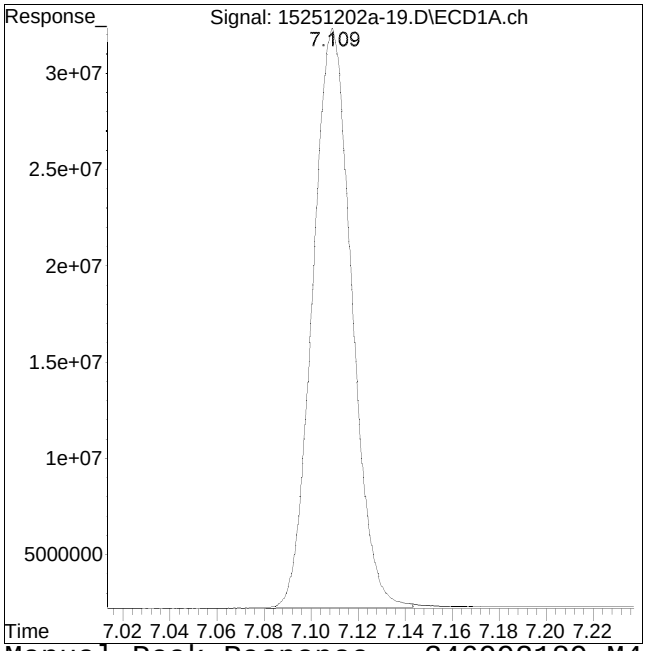
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-19.D Operator : Pest15:peg
Date Inj'd : 12/2/2025 17:01 Instrument : Pest 15
Sample : wg2148330-2,42,,herb12235 Quant Date : 12/3/2025 12:59 pm

Compound #4: Dicamba



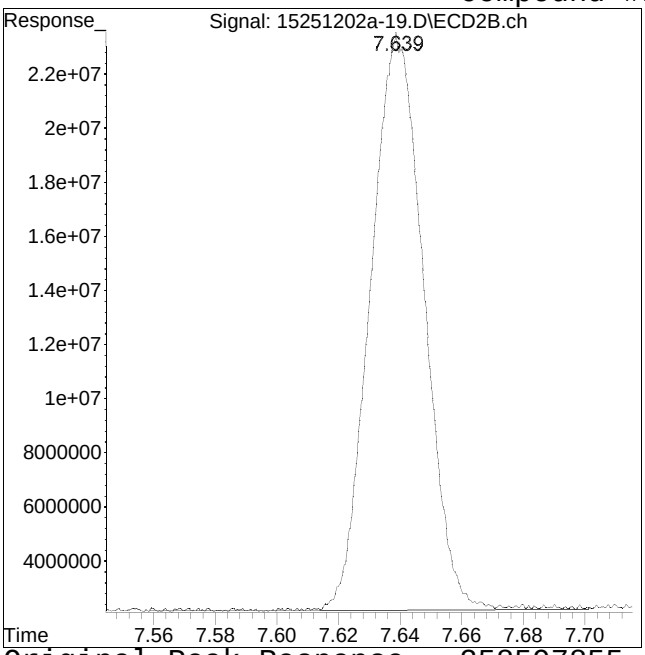


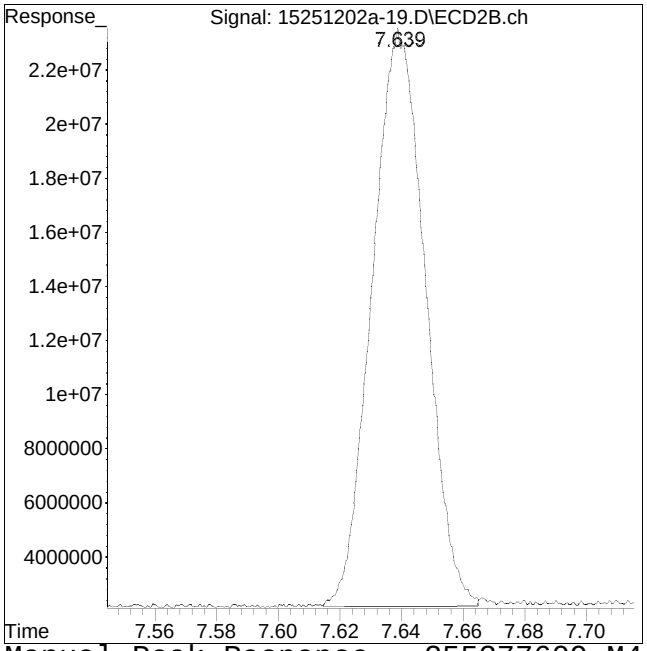
Original Peak Response = 351035715 Manual Peak Response = 346992189 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-19.D Operator : Pest15:peg
Date Inj'd : 12/2/2025 17:01 Instrument : Pest 15
Sample : wg2148330-2,42,,herb12235 Quant Date : 12/3/2025 12:59 pm

Compound #17: Dicamba #2



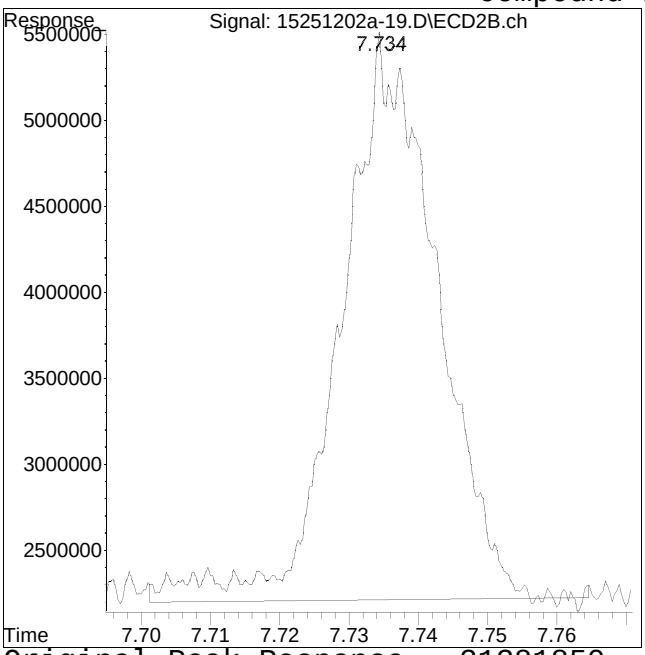


Original Peak Response = 258597855 Manual Peak Response = 255377609 M4
M4 = Poor automated baseline construction.

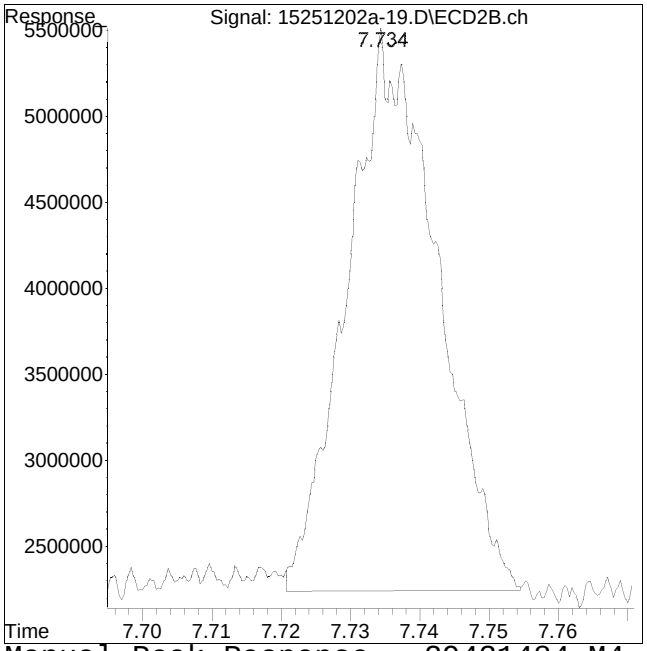
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-19.D Operator : Pest15:peg
Date Inj'd : 12/2/2025 17:01 Instrument : Pest 15
Sample : wg2148330-2,42,,herb12235 Quant Date : 12/3/2025 12:59 pm

Compound #18: MCPP #2



Original Peak Response = 31381850



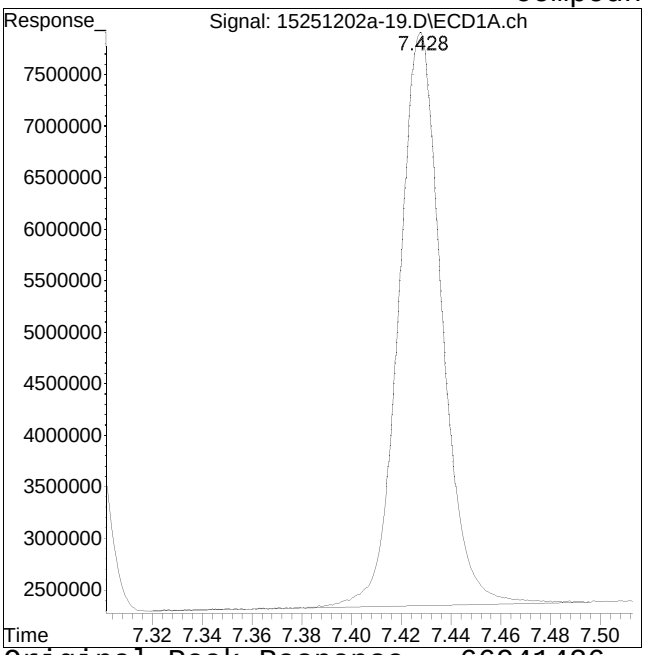
Manual Peak Response = 29431484 M4

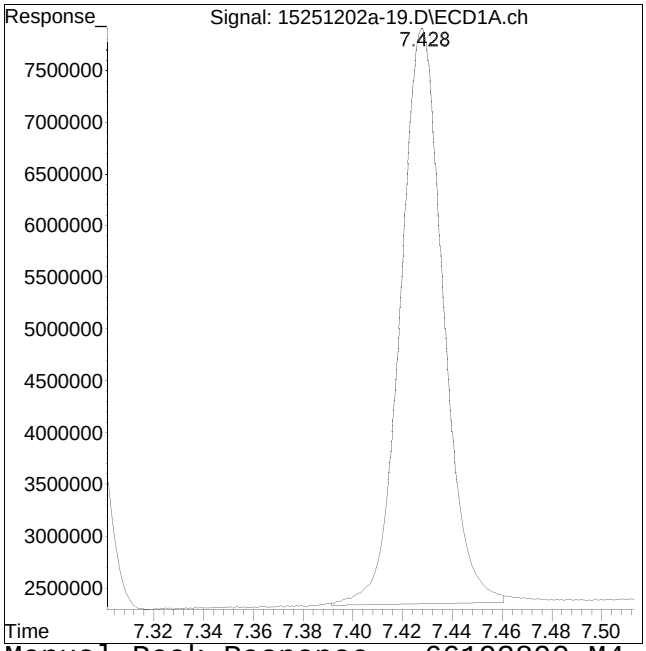
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-19.D Operator : Pest15:peg
Date Inj'd : 12/2/2025 17:01 Instrument : Pest 15
Sample : wg2148330-2,42,,herb12235 Quant Date : 12/3/2025 12:59 pm

Compound #6: MCPA



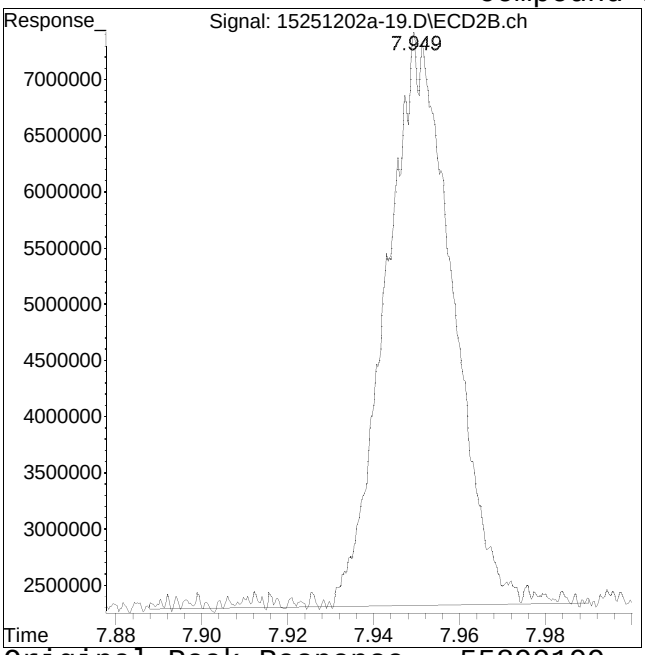


Original Peak Response = 66941426 Manual Peak Response = 66193890 M4
M4 = Poor automated baseline construction.

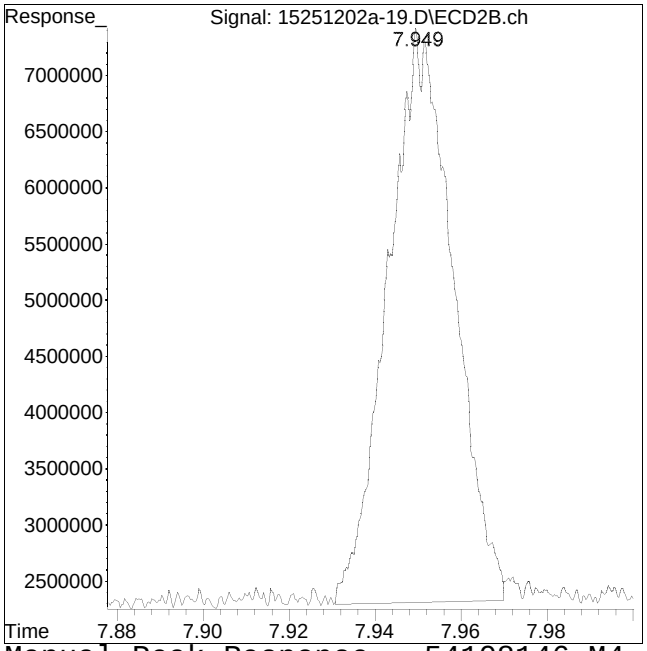
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-19.D Operator : Pest15:peg
Date Inj'd : 12/2/2025 17:01 Instrument : Pest 15
Sample : wg2148330-2,42,,herb12235 Quant Date : 12/3/2025 12:59 pm

Compound #19: MCPA #2



Original Peak Response = 55899199



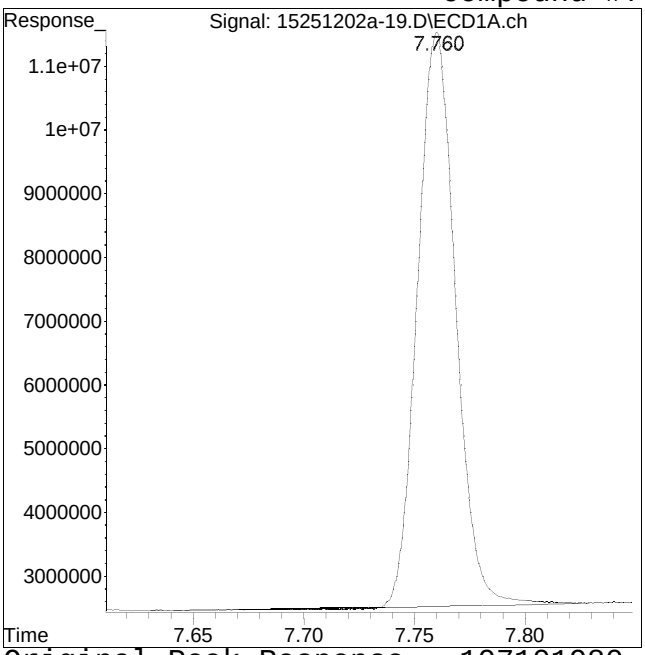
Manual Peak Response = 54108146 M4

M4 = Poor automated baseline construction.

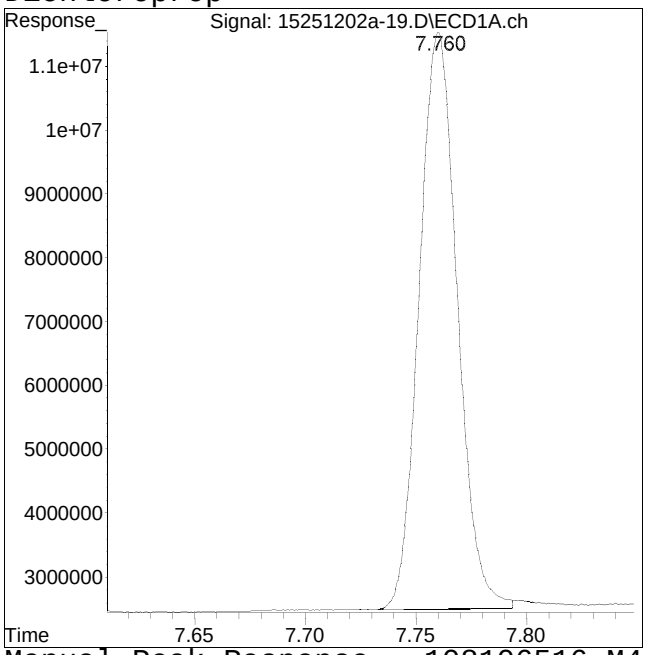
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-19.D Operator : Pest15:peg
Date Inj'd : 12/2/2025 17:01 Instrument : Pest 15
Sample : wg2148330-2,42,,herb12235 Quant Date : 12/3/2025 12:59 pm

Compound #7: Dichloroprop



Original Peak Response = 107101980

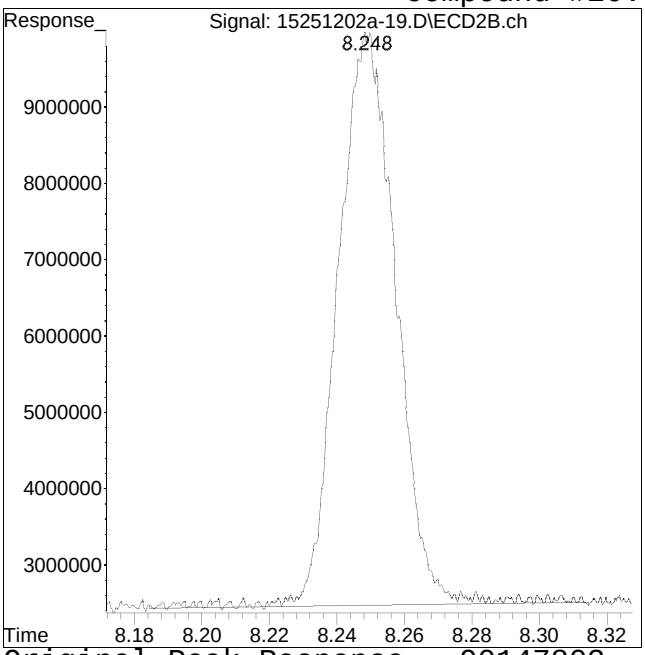


Manual Peak Response = 108106516 M4
M4 = Poor automated baseline construction.

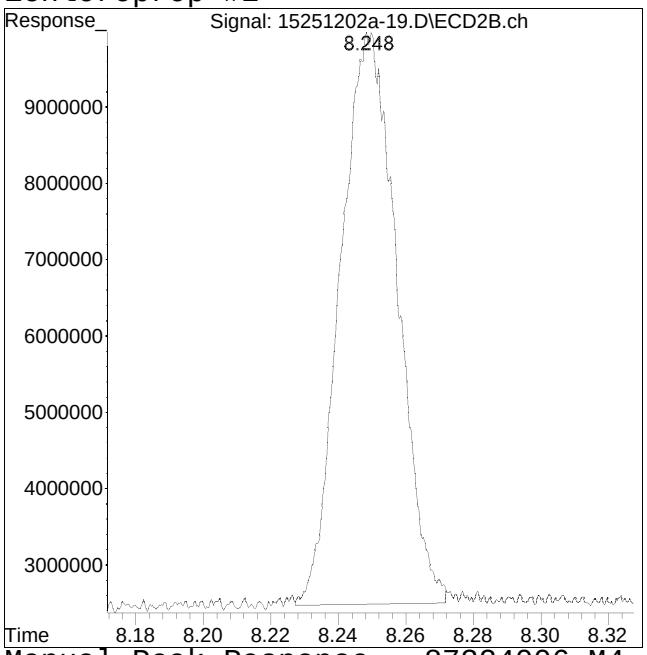
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-19.D Operator : Pest15:peg
Date Inj'd : 12/2/2025 17:01 Instrument : Pest 15
Sample : wg2148330-2,42,,herb12235 Quant Date : 12/3/2025 12:59 pm

Compound #20: Dichloroprop #2



Original Peak Response = 90147803



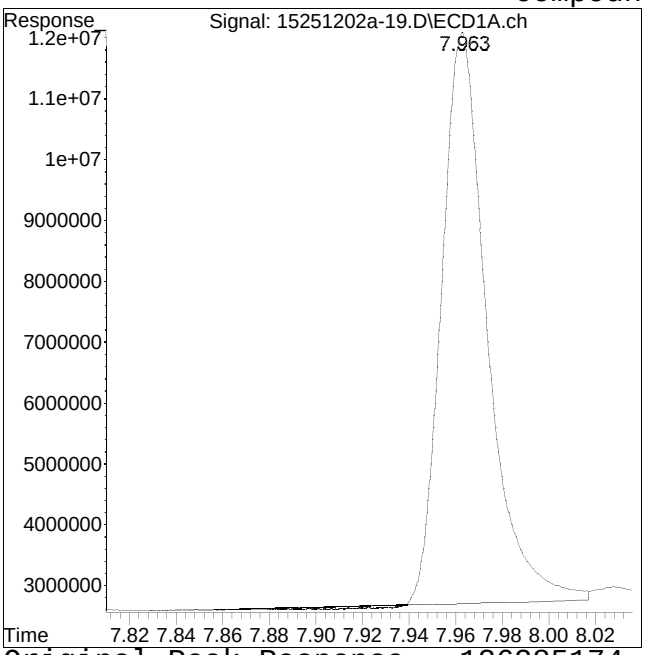
Manual Peak Response = 87324006 M4

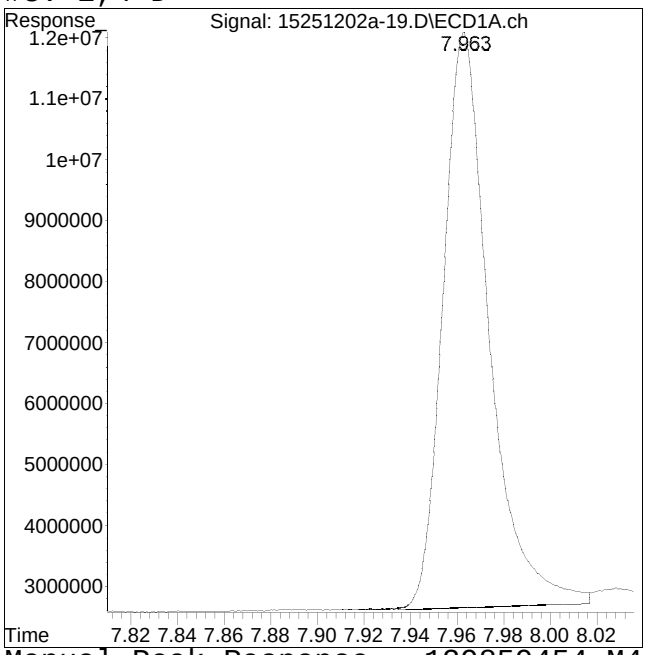
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-19.D Operator : Pest15:peg
Date Inj'd : 12/2/2025 17:01 Instrument : Pest 15
Sample : wg2148330-2,42,,herb12235 Quant Date : 12/3/2025 12:59 pm

Compound #8: 2,4-D



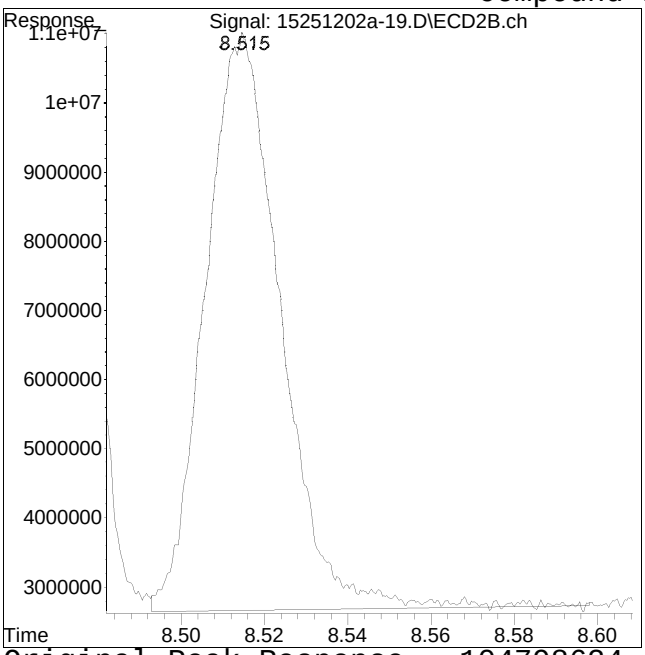


Original Peak Response = 126285174 Manual Peak Response = 129859454 M4
M4 = Poor automated baseline construction.

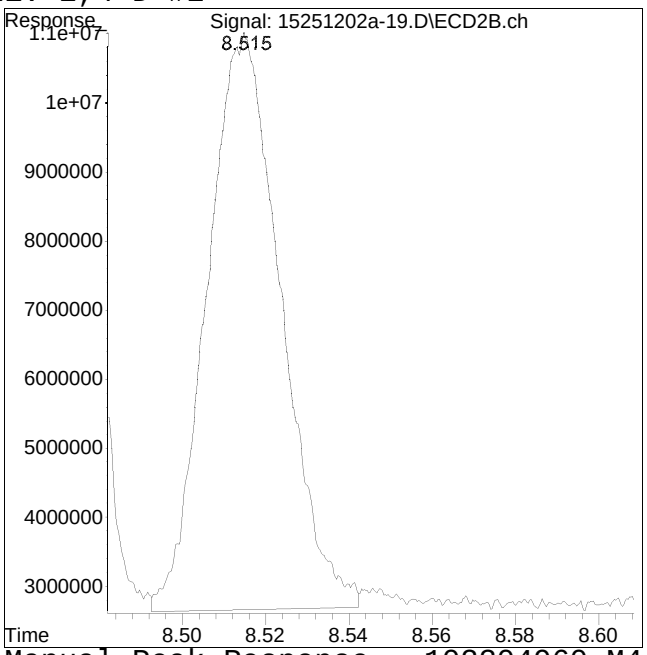
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-19.D Operator : Pest15:peg
Date Inj'd : 12/2/2025 17:01 Instrument : Pest 15
Sample : wg2148330-2,42,,herb12235 Quant Date : 12/3/2025 12:59 pm

Compound #21: 2,4-D #2



Original Peak Response = 104798624



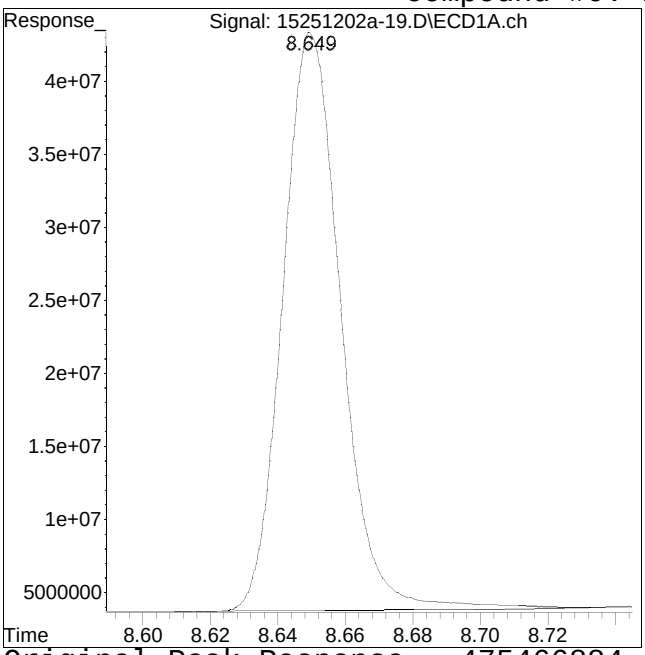
Manual Peak Response = 102304960 M4

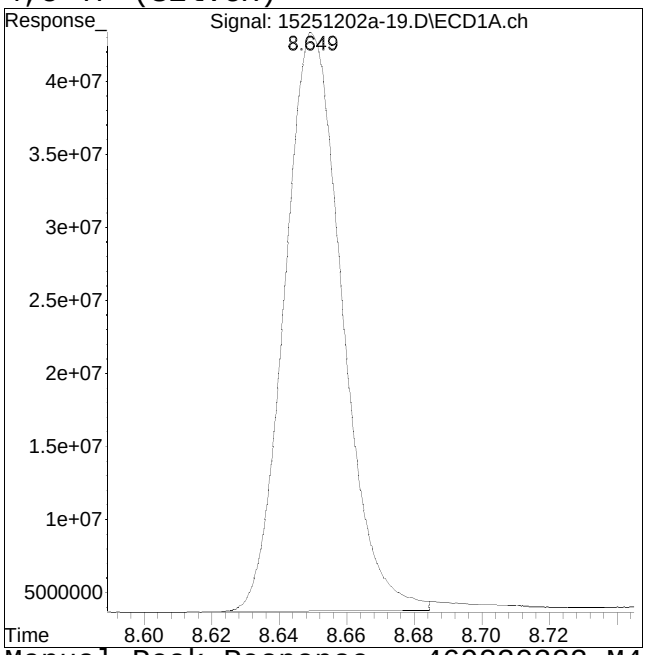
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-19.D Operator : Pest15:peg
Date Inj'd : 12/2/2025 17:01 Instrument : Pest 15
Sample : wg2148330-2,42,,herb12235 Quant Date : 12/3/2025 12:59 pm

Compound #9: 2,4,5-TP (Silvex)



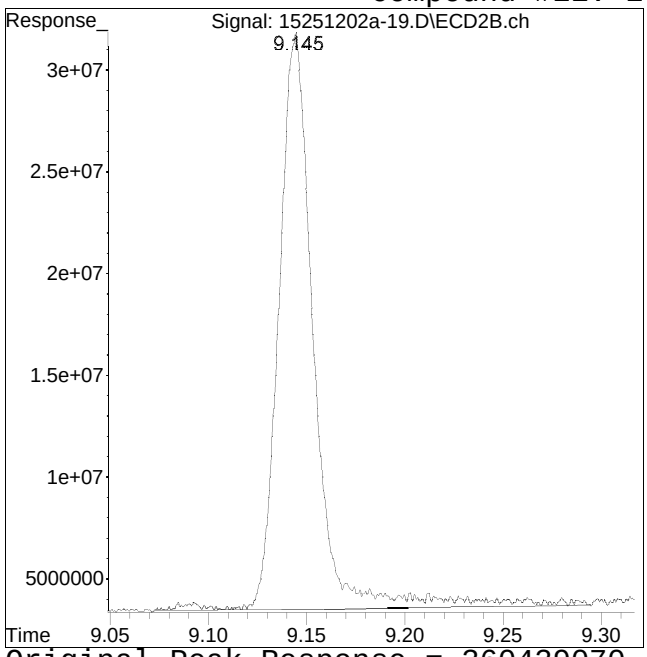


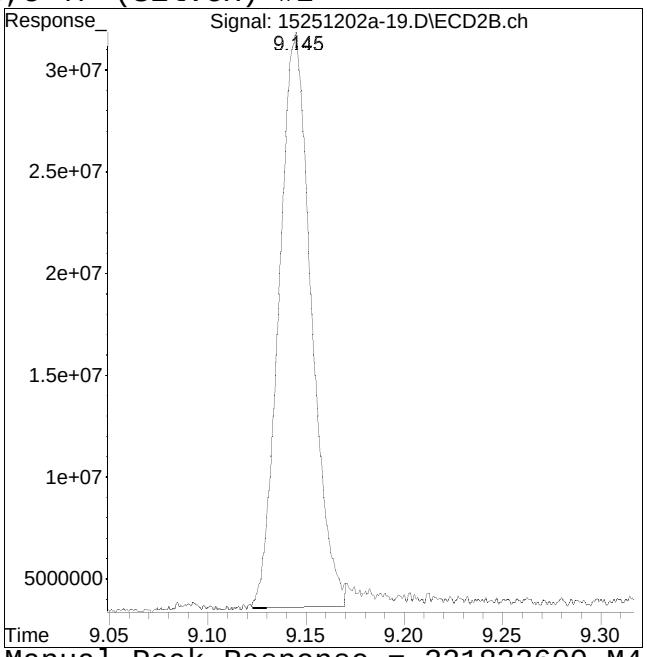
Original Peak Response = 475466884 Manual Peak Response = 469230322 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-19.D Operator : Pest15:peg
Date Inj'd : 12/2/2025 17:01 Instrument : Pest 15
Sample : wg2148330-2,42,,herb12235 Quant Date : 12/3/2025 12:59 pm

Compound #22: 2,4,5-TP (Silvex) #2



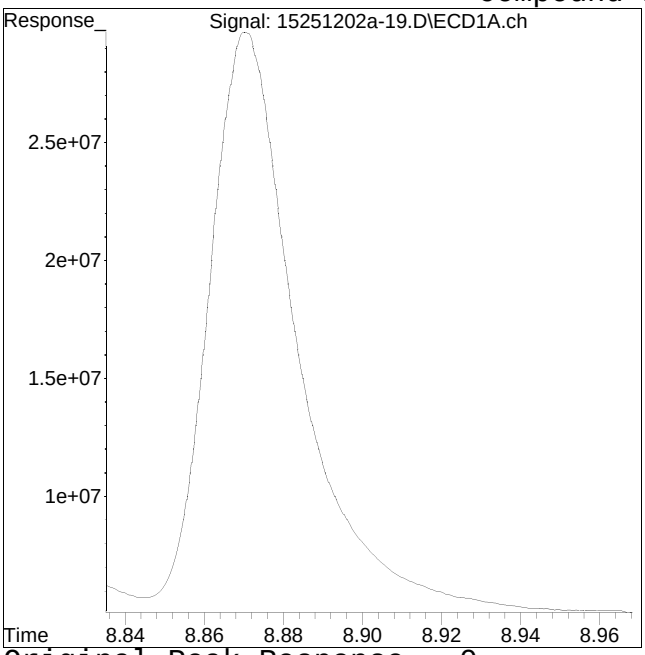


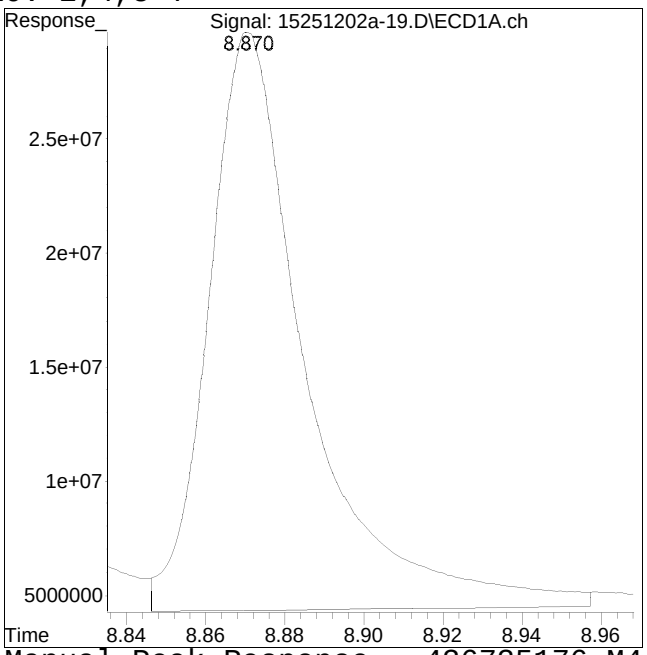
Original Peak Response = 360439070 Manual Peak Response = 321833600 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-19.D Operator : Pest15:peg
Date Inj'd : 12/2/2025 17:01 Instrument : Pest 15
Sample : wg2148330-2,42,,herb12235 Quant Date : 12/3/2025 12:59 pm

Compound #10: 2,4,5-T



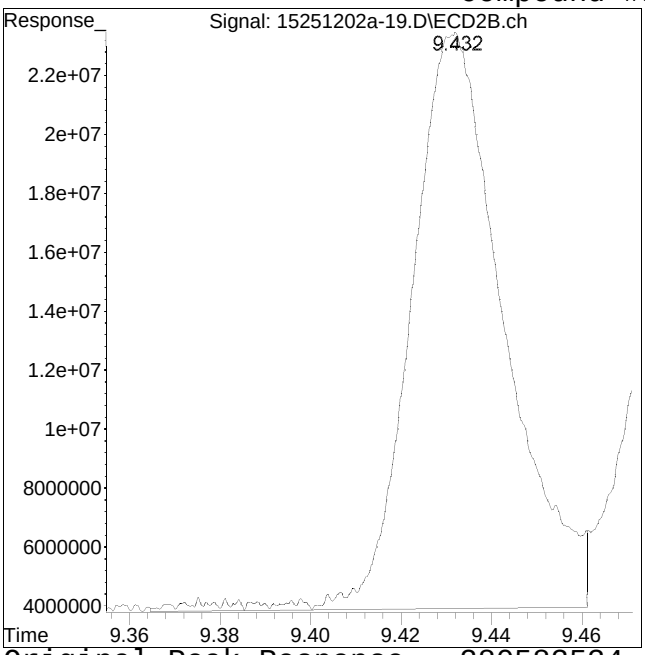


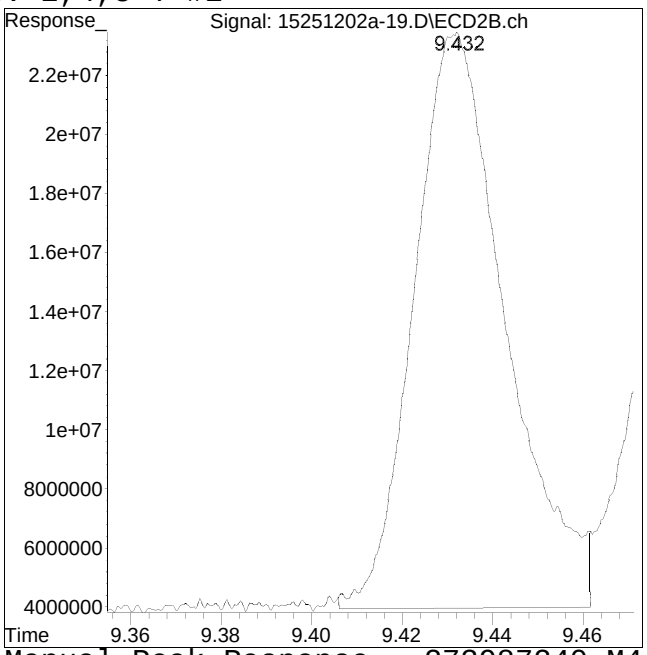
Original Peak Response = 0 Manual Peak Response = 436735176 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-19.D Operator : Pest15:peg
Date Inj'd : 12/2/2025 17:01 Instrument : Pest 15
Sample : wg2148330-2,42,,herb12235 Quant Date : 12/3/2025 12:59 pm

Compound #23: 2,4,5-T #2



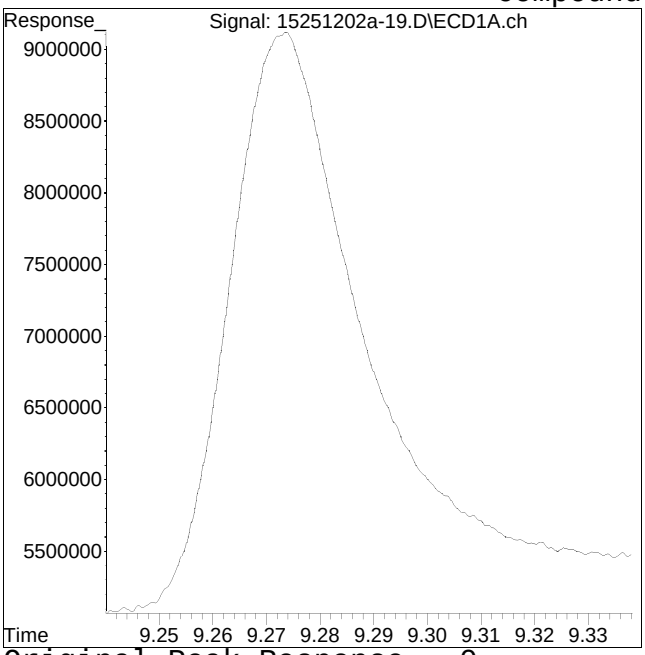


Original Peak Response = 280583534 Manual Peak Response = 273987240 M4
M4 = Poor automated baseline construction.

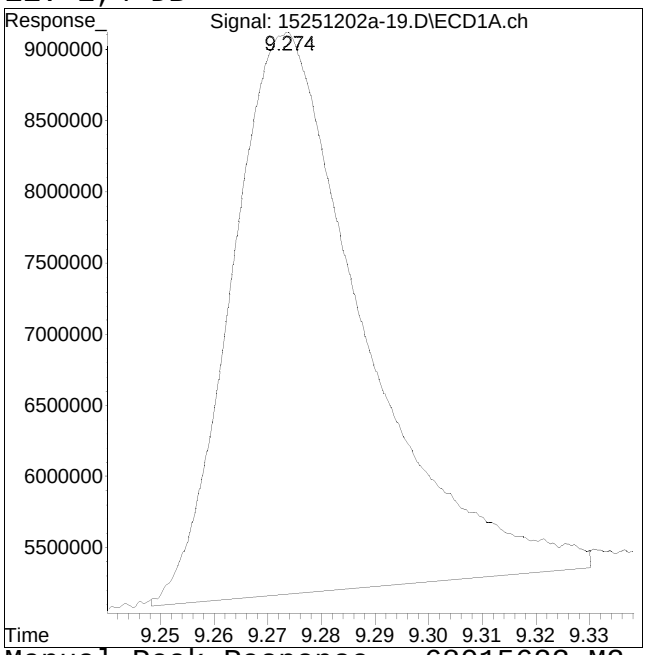
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-19.D Operator : Pest15:peg
Date Inj'd : 12/2/2025 17:01 Instrument : Pest 15
Sample : wg2148330-2,42,,herb12235 Quant Date : 12/3/2025 12:59 pm

Compound #11: 2,4-DB



Original Peak Response = 0



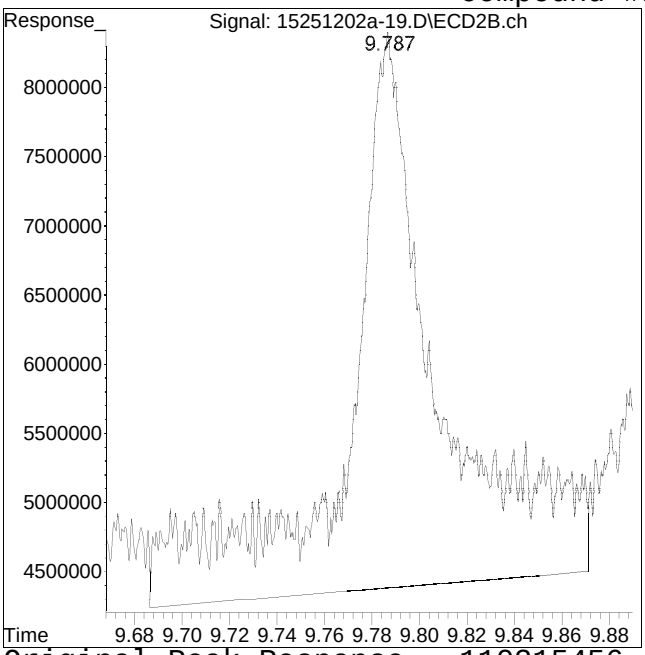
Manual Peak Response = 68015623 M2

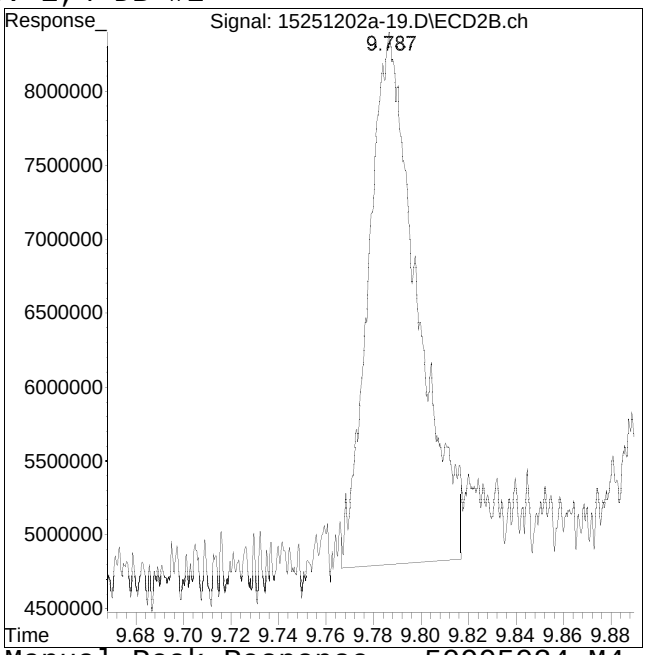
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-19.D Operator : Pest15:peg
Date Inj'd : 12/2/2025 17:01 Instrument : Pest 15
Sample : wg2148330-2,42,,herb12235 Quant Date : 12/3/2025 12:59 pm

Compound #24: 2,4-DB #2



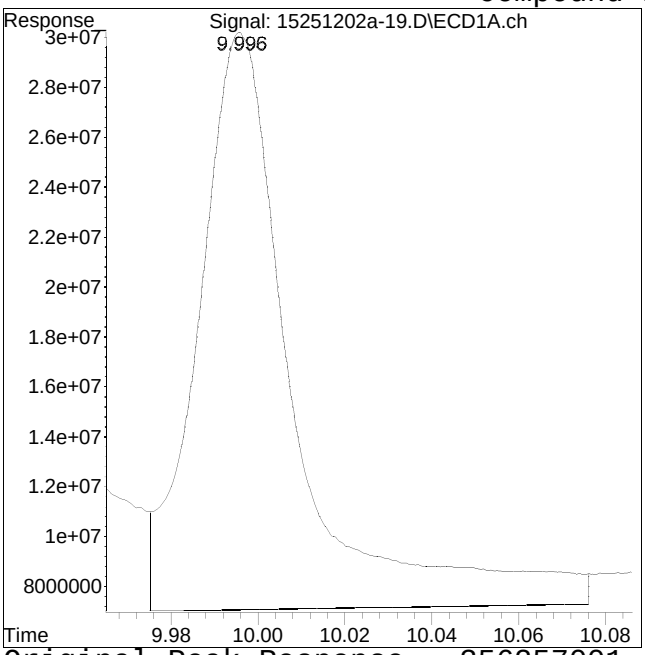


Original Peak Response = 110315456 Manual Peak Response = 50995034 M4
M4 = Poor automated baseline construction.

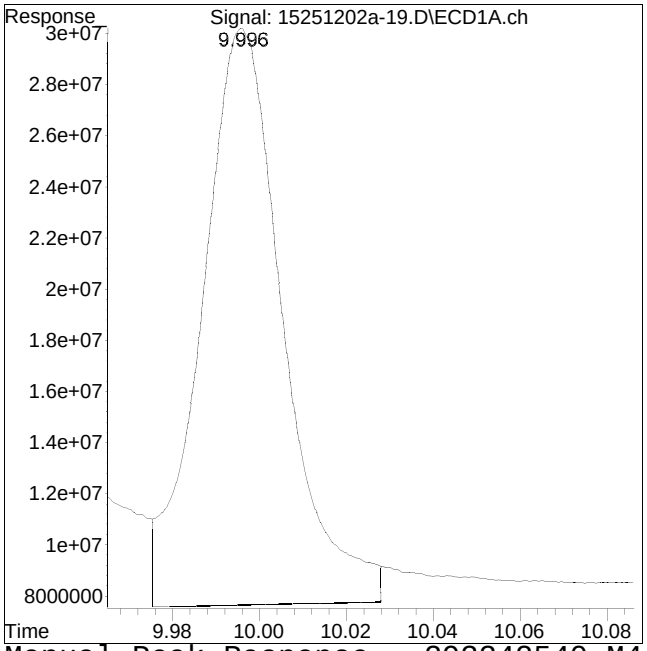
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-19.D Operator : Pest15:peg
Date Inj'd : 12/2/2025 17:01 Instrument : Pest 15
Sample : wg2148330-2,42,,herb12235 Quant Date : 12/3/2025 12:59 pm

Compound #12: Dinoseb



Original Peak Response = 356257001



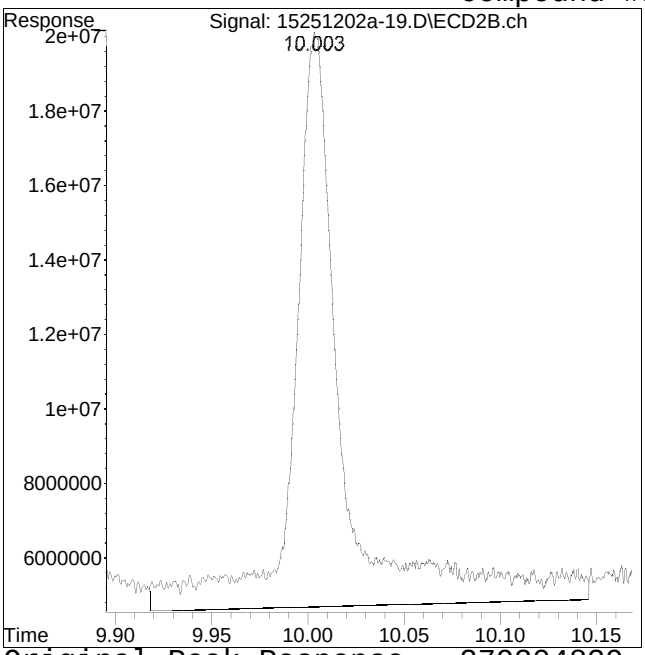
Manual Peak Response = 293342540 M4

M4 = Poor automated baseline construction.

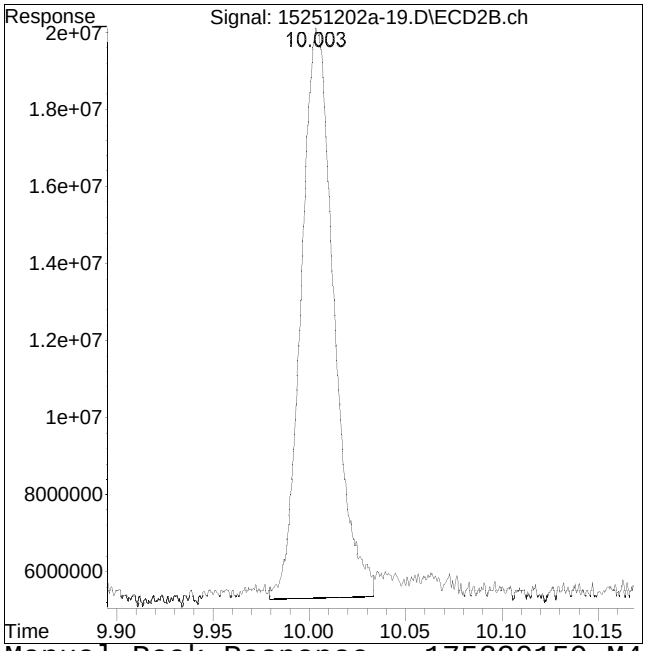
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-19.D Operator : Pest15:peg
Date Inj'd : 12/2/2025 17:01 Instrument : Pest 15
Sample : wg2148330-2,42,,herb12235 Quant Date : 12/3/2025 12:59 pm

Compound #25: Dinoseb #2



Original Peak Response = 279304839



Manual Peak Response = 175230159 M4
M4 = Poor automated baseline construction.

RT Shift Summary

Identification Summary
Form 10
Pesticides

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2575576**
Project Name	**: 1000 TURK HILL RD GWS**	**Project Number**	**: 3113.0001Y000**

No Detections Found

Herbicides Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest15\2025\251202A\
Data File : 15251202a-24.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2025 6:33 pm
Operator : Pest15:jag
Sample : WG2147488-1,42,,
Misc : wg2148330,WG2147488,ical22766
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 04 09:27:25 2025
Quant Method : I:\PEST\Pest15\2025\251202A\Herb15_2025_10_20_mgL_ICAL22766.m
Quant Title : herb
QLast Update : Wed Dec 03 05:56:44 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest15\2025\251202A\15251202a-19.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.385	8.464	799.7E6	543.9E6	0.250M4	0.250M4
Standard Area 1 : #1 = 789523187				Recovery =	101.29%	
Standard Area 1 : #2 = 534089053				Recovery =	101.84%	
System Monitoring Compounds						
3) s DCAA (surrog	6.942	7.471	267.4E6	191.5E6	0.448M4	0.430M4
Spiked Amount	0.500	Range 30 - 150		Recovery =	89.60%	86.00%
Target Compounds						
8) t 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t 2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument						

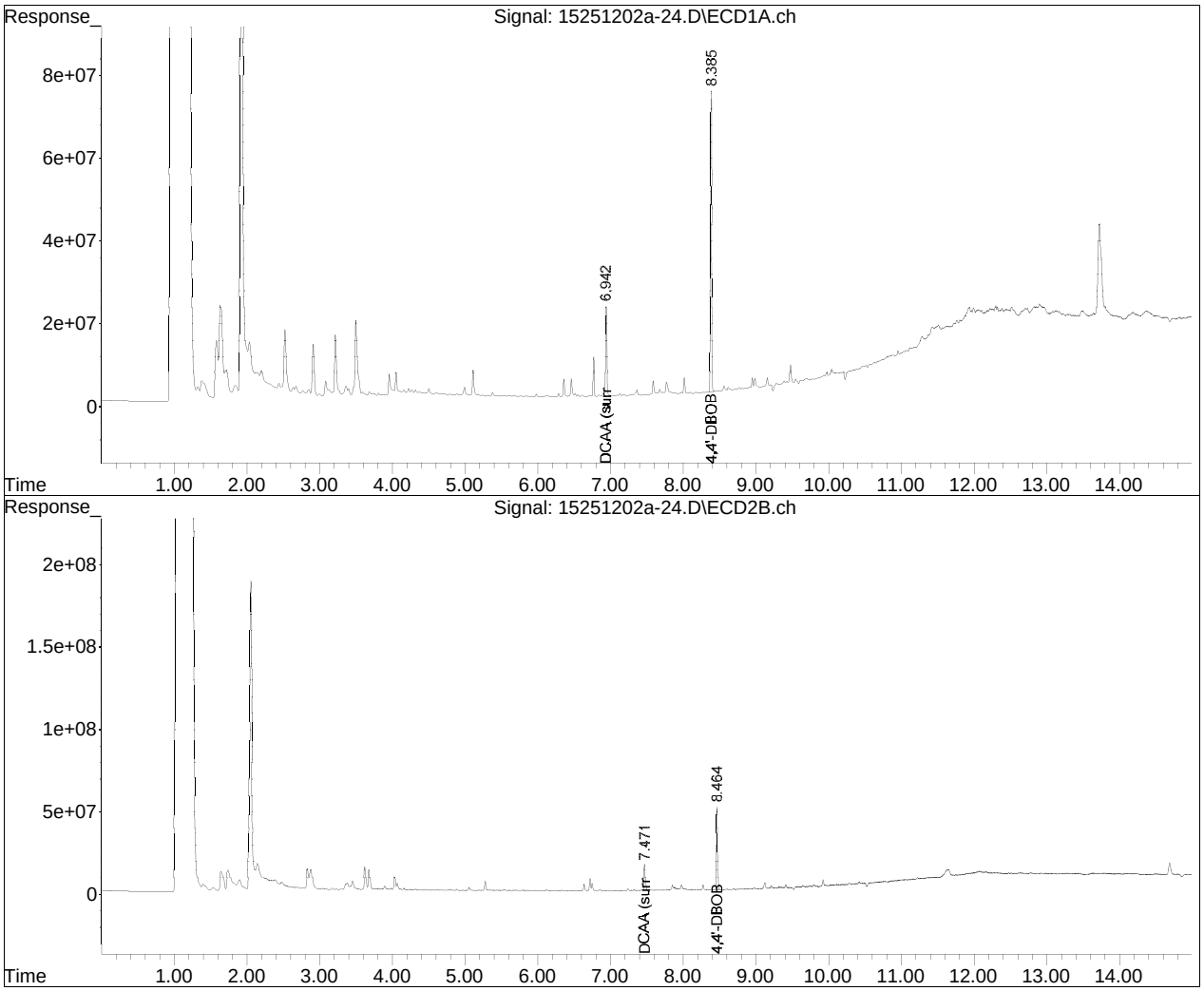
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\15251202a-19.D•

Data Path : I:\PEST\Pest15\2025\251202A\
Data File : 15251202a-24.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2025 6:33 pm
Operator : Pest15:jag
Sample : WG2147488-1,42,,
Misc : wg2148330,WG2147488,ical22766
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 04 09:27:25 2025
Quant Method : I:\PEST\Pest15\2025\251202A\Herb15_2025_10_20_mgL_ICAL22766.m
Quant Title : herb
QLast Update : Wed Dec 03 05:56:44 2025
Response via : Initial Calibration
Integrator: ChemStation

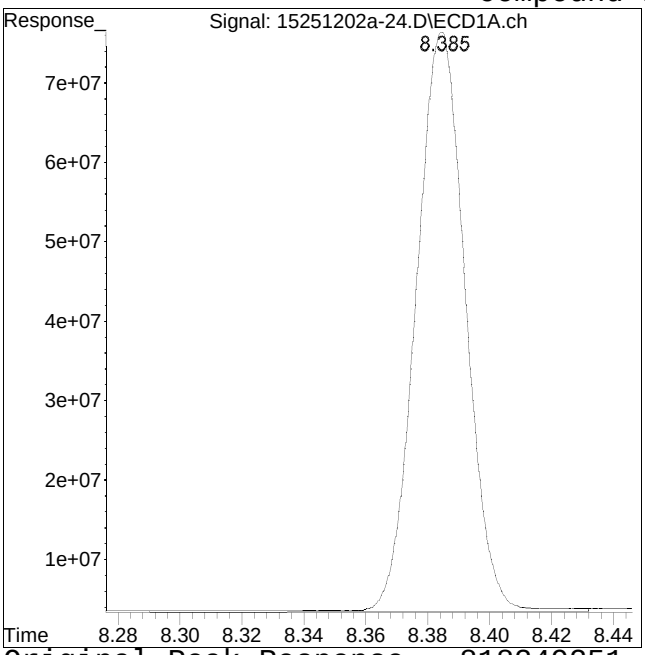
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



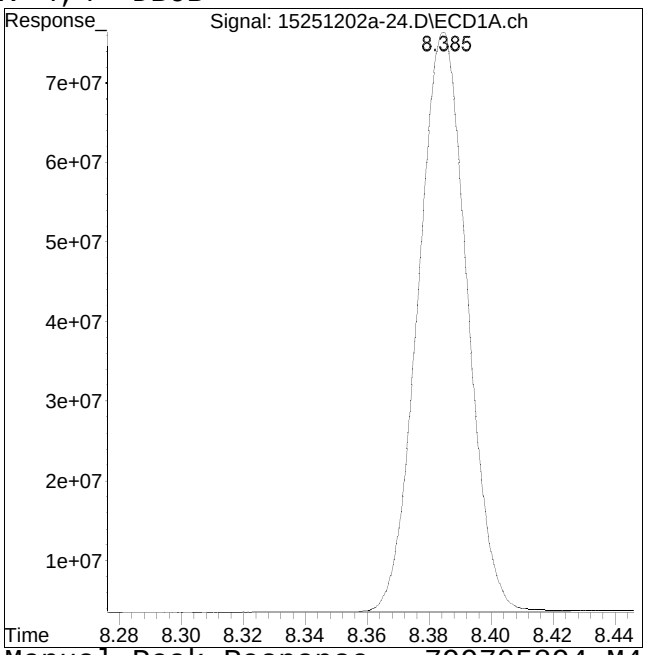
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-24.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 6:33 pm Instrument : Pest 15
Sample : WG2147488-1,42,, Quant Date : 12/4/2025 9:27 am

Compound #1: 4,4'-DBOB



Original Peak Response = 818249251

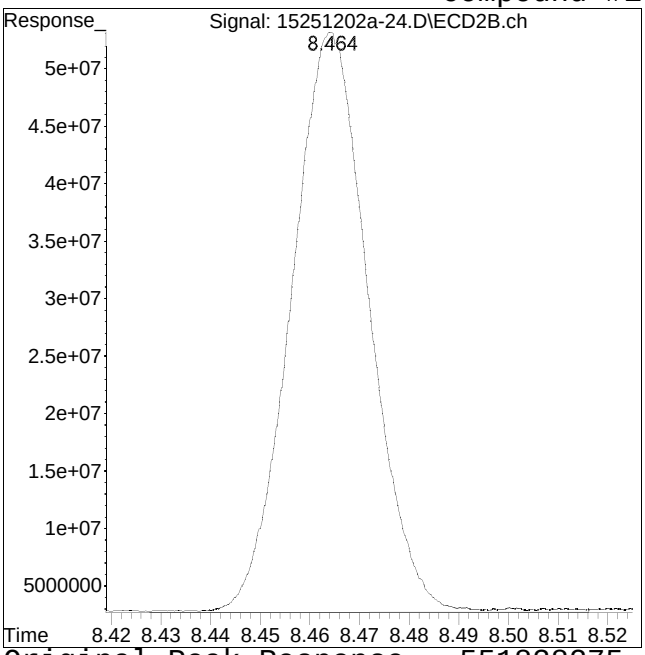


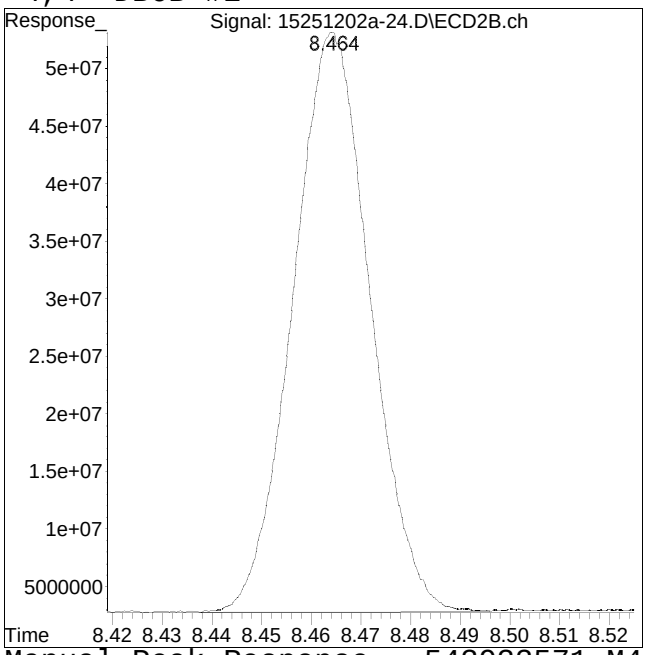
Manual Peak Response = 799705894 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-24.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 6:33 pm Instrument : Pest 15
Sample : WG2147488-1,42,, Quant Date : 12/4/2025 9:27 am

Compound #14: 4,4'-DBOB #2



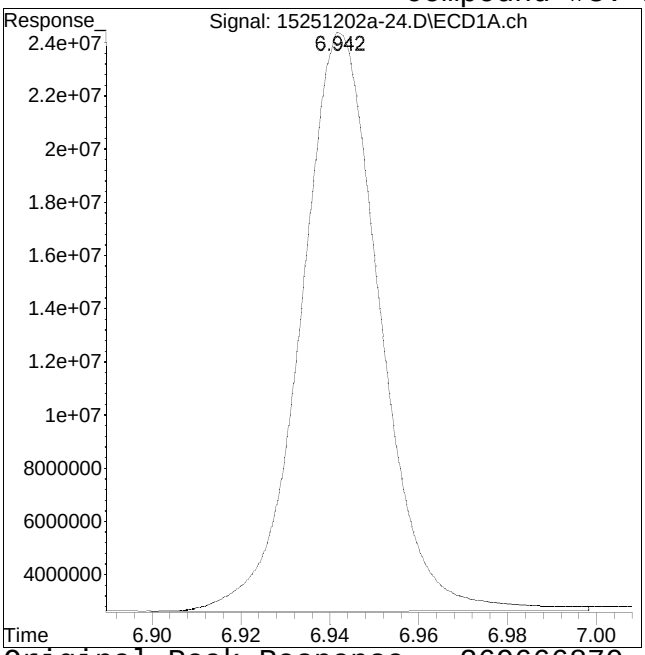


Original Peak Response = 551838275 Manual Peak Response = 543933571 M4
M4 = Poor automated baseline construction.

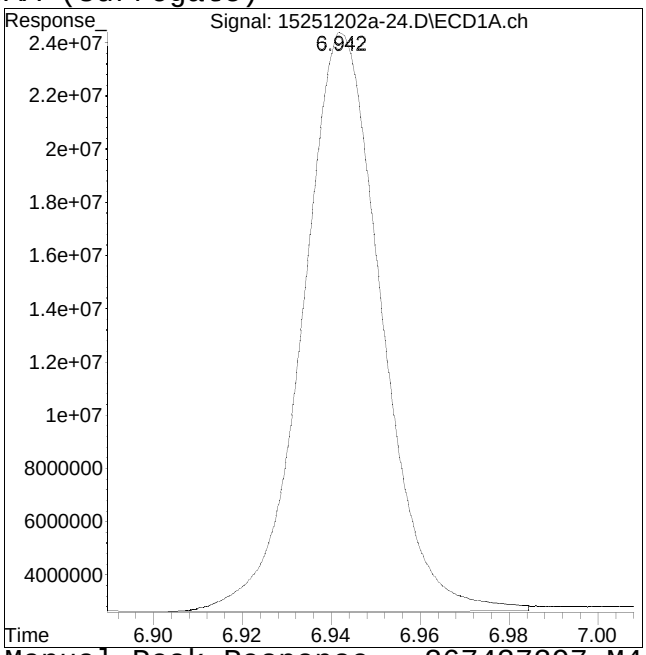
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-24.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 6:33 pm Instrument : Pest 15
Sample : WG2147488-1,42,, Quant Date : 12/4/2025 9:27 am

Compound #3: DCAA (surrogate)



Original Peak Response = 269666870



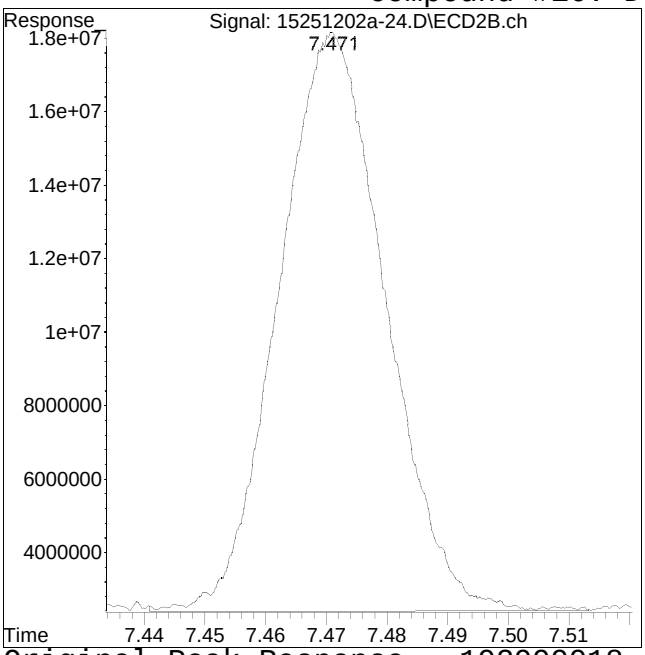
Manual Peak Response = 267437397 M4

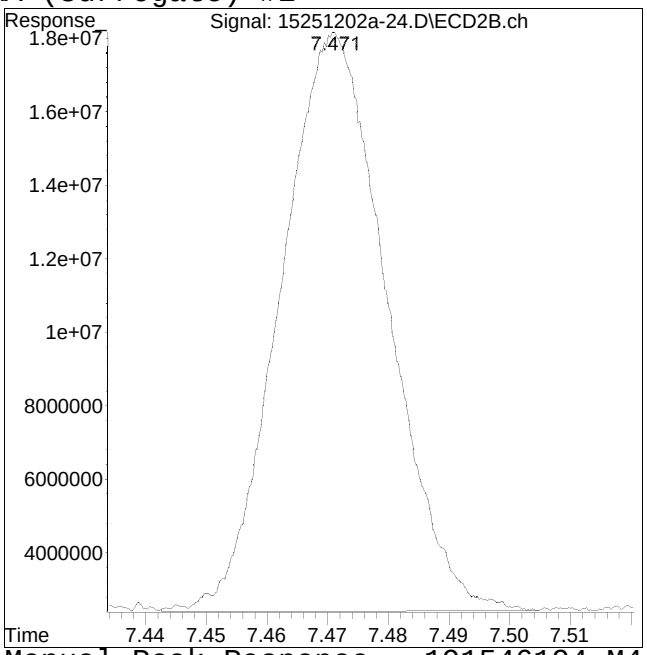
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-24.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 6:33 pm Instrument : Pest 15
Sample : WG2147488-1,42,, Quant Date : 12/4/2025 9:27 am

Compound #16: DCAA (surrogate) #2





Original Peak Response = 192999918 Manual Peak Response = 191546194 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest15\2025\251202A\
Data File : 15251202a-25.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2025 6:52 pm
Operator : Pest15:jag
Sample : WG2147488-2,42,,
Misc : wg2148330,WG2147488,ical22766
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 04 09:27:27 2025
Quant Method : I:\PEST\Pest15\2025\251202A\Herb15_2025_10_20_mgL_ICAL22766.m
Quant Title : herb
QLast Update : Wed Dec 03 05:56:44 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest15\2025\251202A\15251202a-19.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
	Internal Standards						
1) i	4,4'-DBOB	8.384	8.463	830.4E6	539.2E6	0.250M4	0.250M4
	Standard Area 1 : #1 = 789523187				Recovery = 105.18%		
	Standard Area 1 : #2 = 534089053				Recovery = 100.95%		
	System Monitoring Compounds						
3) s	DCAA (surrog	6.941	7.469	257.7E6	218.9E6	0.415M4	0.495M4
	Spiked Amount 0.500	Range 30 - 150		Recovery = 83.00%		99.00%	
	Target Compounds						
8) t	2,4-D	7.958f	8.513	301.5E6	234.8E6	0.431M4	0.481M4
9) t	2,4,5-TP (Si	8.648	9.143	1112.3E6	794.8E6	0.442M4	0.464M4
10) t	2,4,5-T	8.862f	9.427f	1101.0E6	777.5E6	0.439M2	0.471M4

SemiQuant Compounds - Not Calibrated on this Instrument

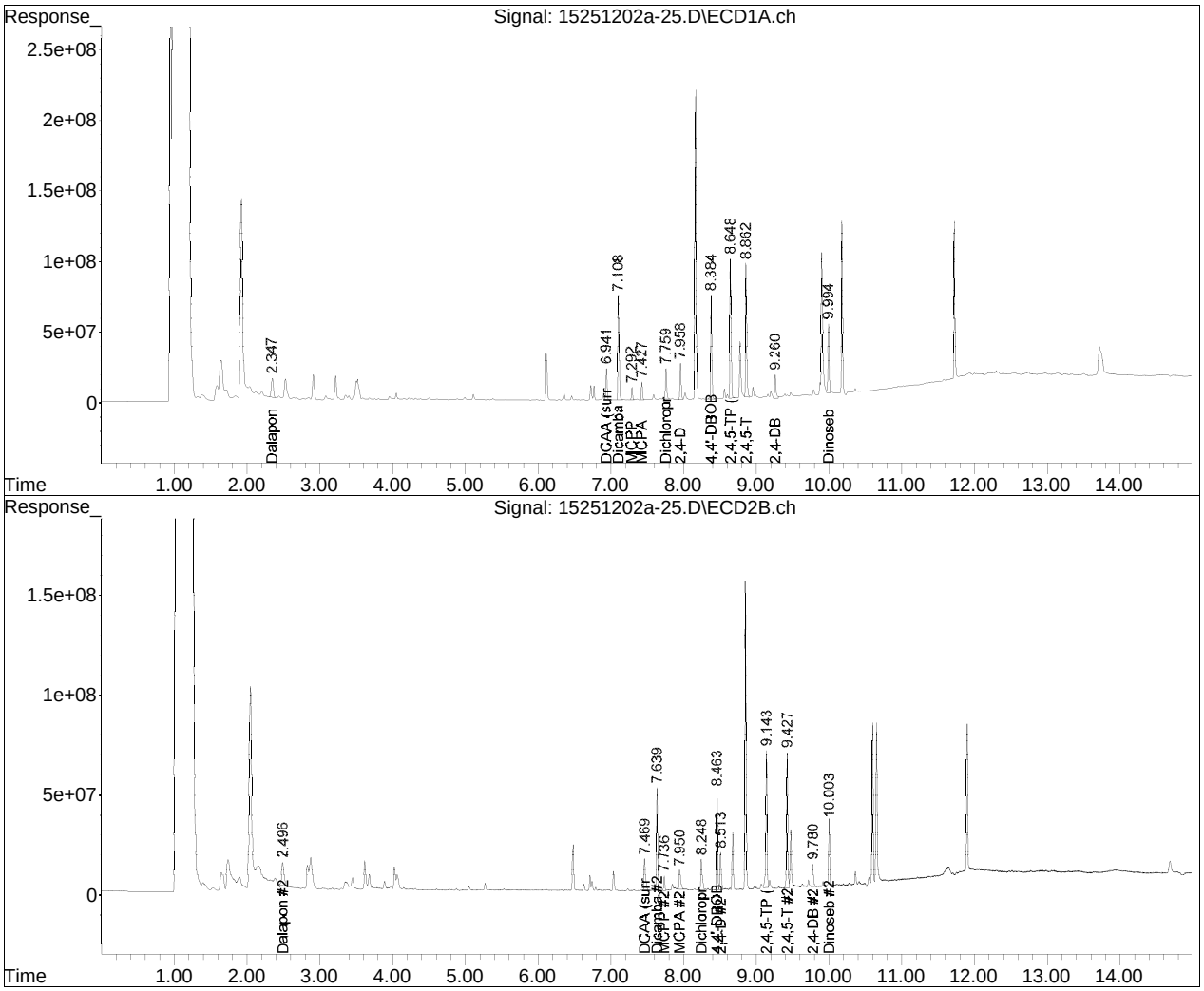
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\15251202a-19.D•

Data Path : I:\PEST\Pest15\2025\251202A\
Data File : 15251202a-25.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2025 6:52 pm
Operator : Pest15:jag
Sample : WG2147488-2,42,,
Misc : wg2148330,WG2147488,ical22766
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 04 09:27:27 2025
Quant Method : I:\PEST\Pest15\2025\251202A\Herb15_2025_10_20_mgL_ICAL22766.m
Quant Title : herb
QLast Update : Wed Dec 03 05:56:44 2025
Response via : Initial Calibration
Integrator: ChemStation

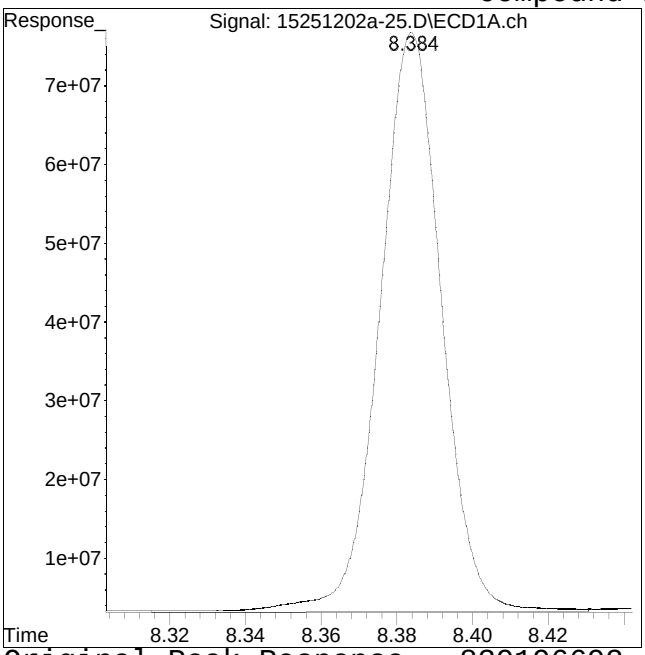
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

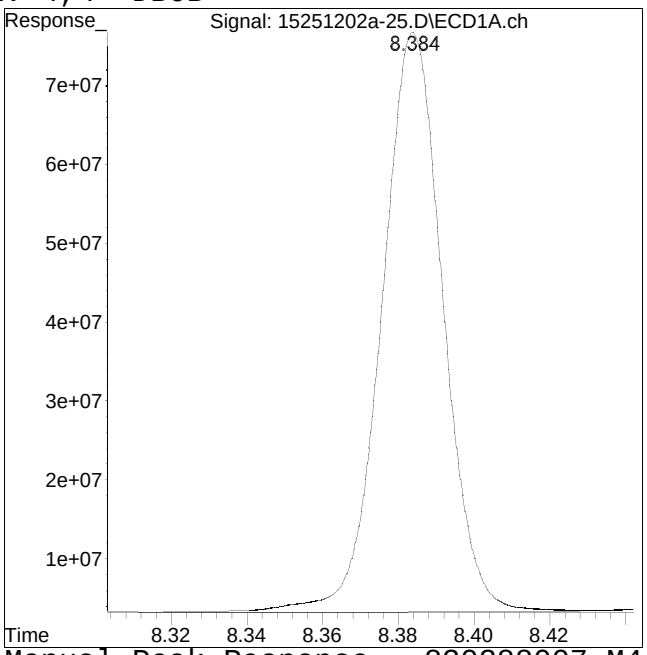


Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-25.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 6:52 pm Instrument : Pest 15
Sample : WG2147488-2,42,, Quant Date : 12/4/2025 9:27 am

Compound #1: 4,4'-DBOB



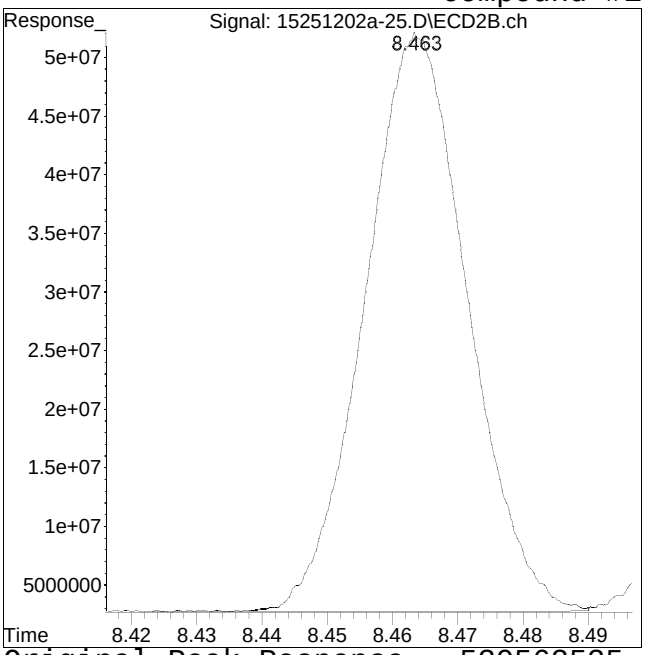


Original Peak Response = 839196692 Manual Peak Response = 830388007 M4
M4 = Poor automated baseline construction.

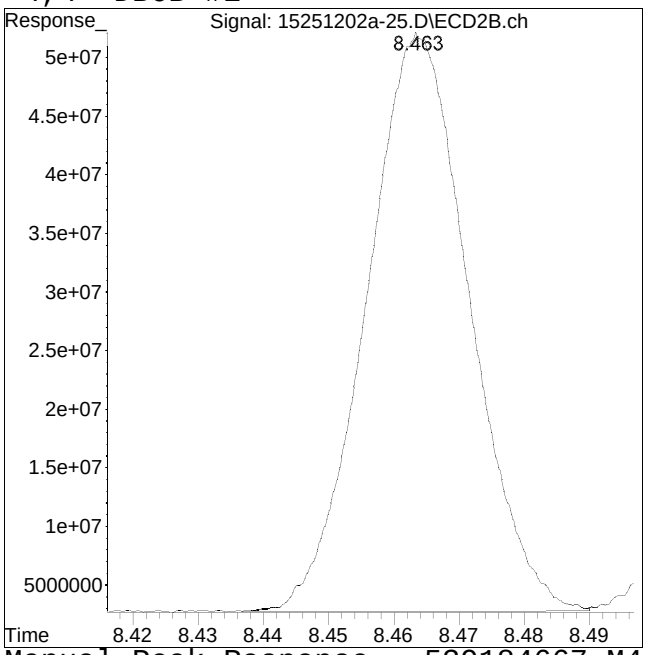
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-25.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 6:52 pm Instrument : Pest 15
Sample : WG2147488-2,42,, Quant Date : 12/4/2025 9:27 am

Compound #14: 4,4'-DBOB #2



Original Peak Response = 539562535



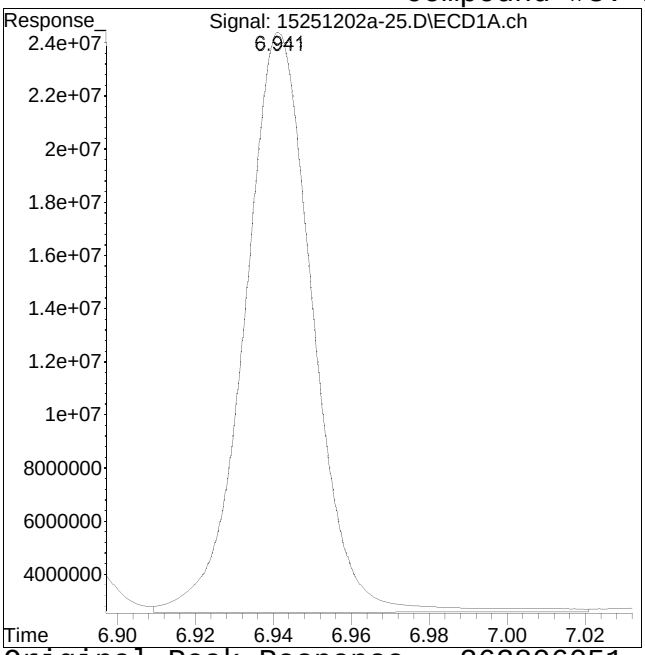
Manual Peak Response = 539184667 M4

M4 = Poor automated baseline construction.

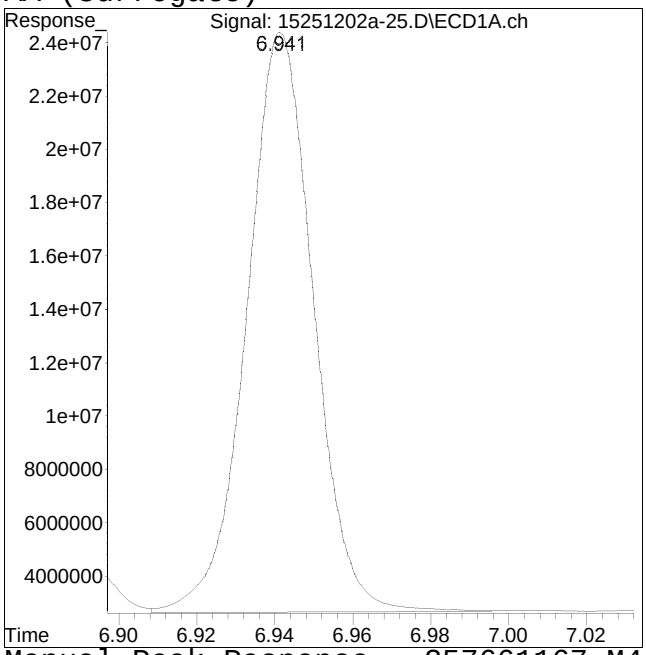
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-25.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 6:52 pm Instrument : Pest 15
Sample : WG2147488-2,42,, Quant Date : 12/4/2025 9:27 am

Compound #3: DCAA (surrogate)



Original Peak Response = 263806051



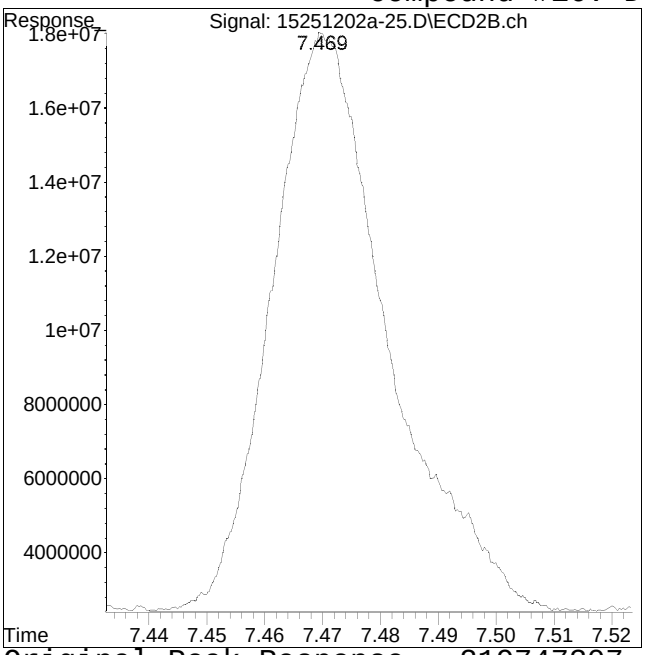
Manual Peak Response = 257661167 M4

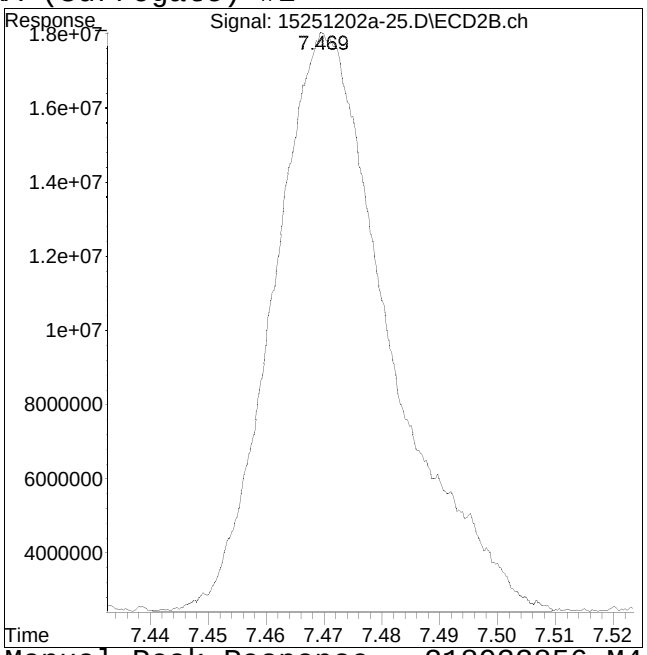
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-25.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 6:52 pm Instrument : Pest 15
Sample : WG2147488-2,42,, Quant Date : 12/4/2025 9:27 am

Compound #16: DCAA (surrogate) #2



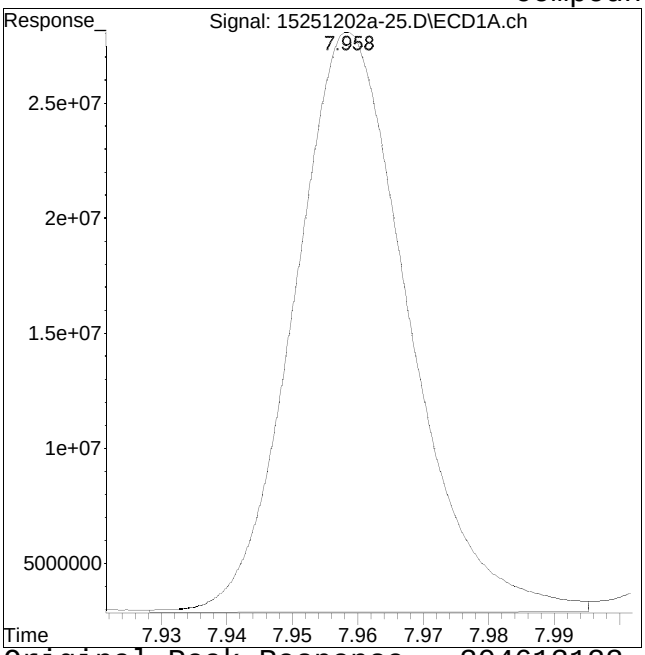


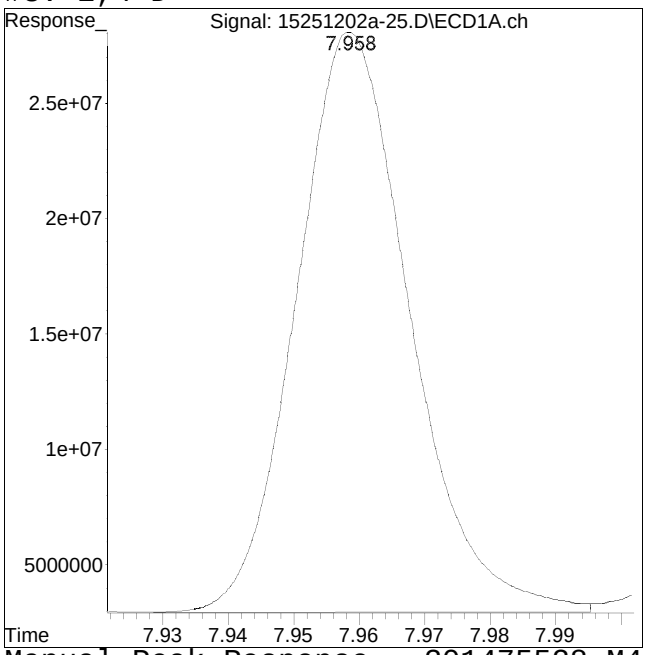
Original Peak Response = 219747307 Manual Peak Response = 218933856 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-25.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 6:52 pm Instrument : Pest 15
Sample : WG2147488-2,42,, Quant Date : 12/4/2025 9:27 am

Compound #8: 2,4-D



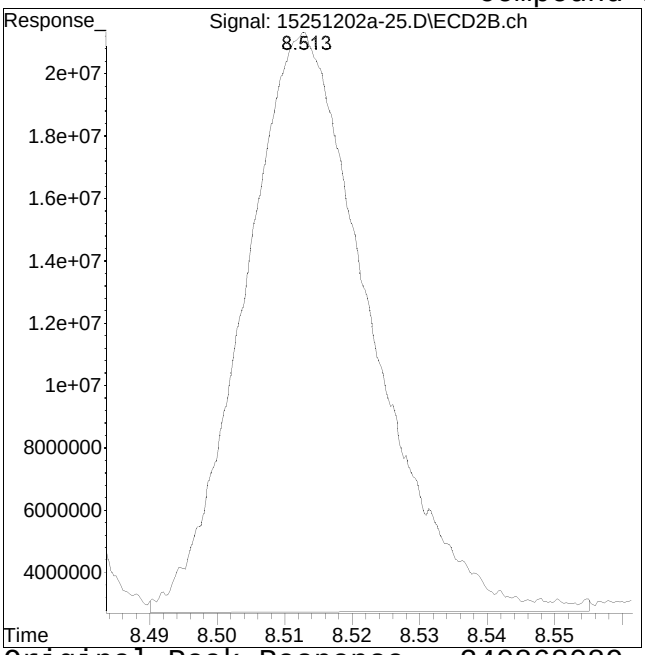


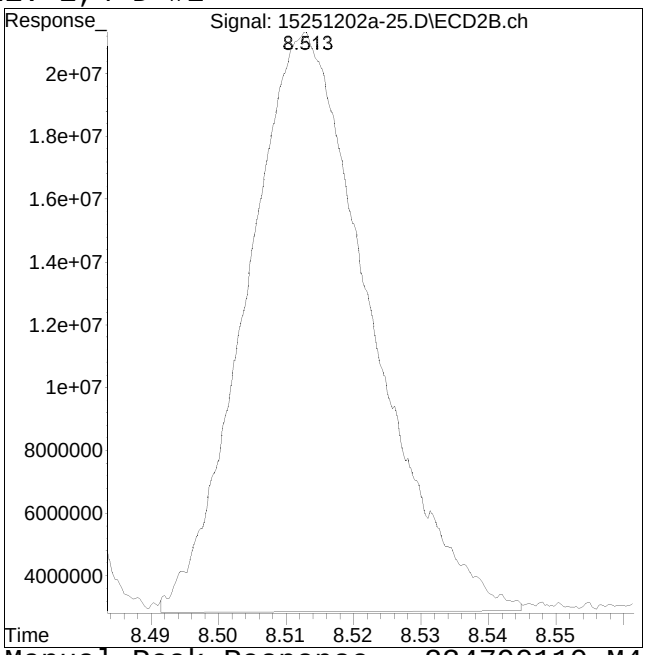
Original Peak Response = 304613123 Manual Peak Response = 301475528 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-25.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 6:52 pm Instrument : Pest 15
Sample : WG2147488-2,42,, Quant Date : 12/4/2025 9:27 am

Compound #21: 2,4-D #2



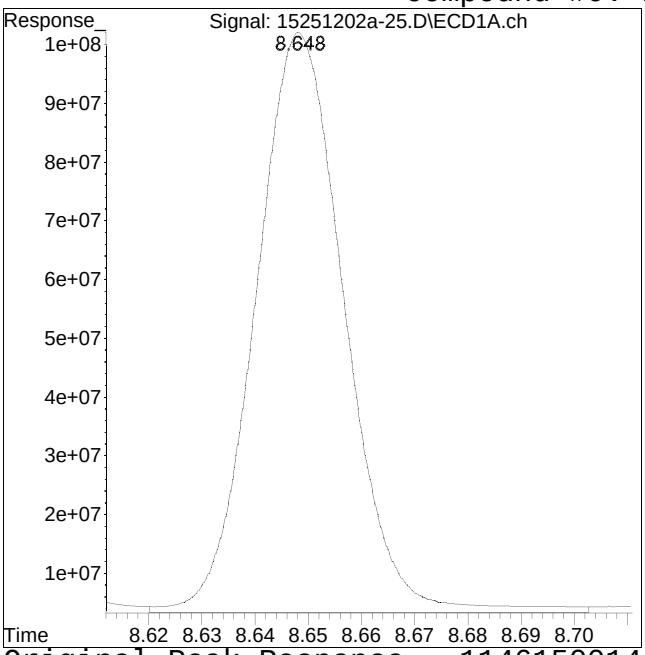


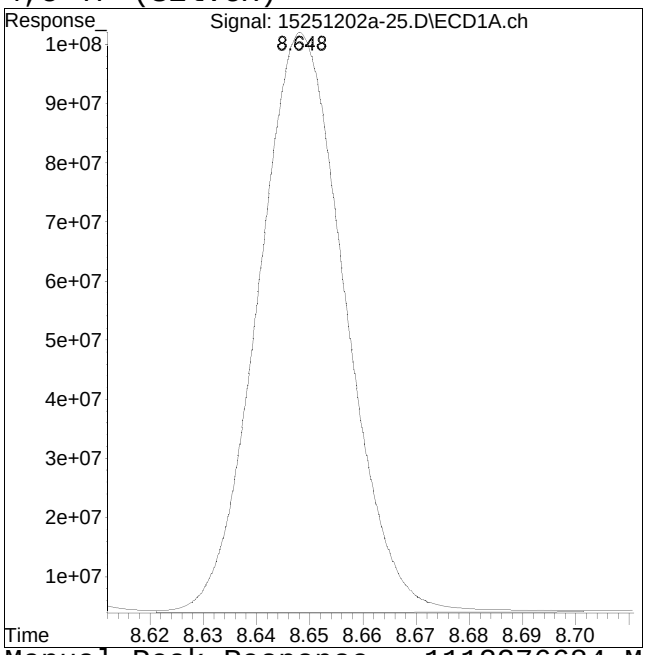
Original Peak Response = 240868089 Manual Peak Response = 234790110 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-25.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 6:52 pm Instrument : Pest 15
Sample : WG2147488-2,42,, Quant Date : 12/4/2025 9:27 am

Compound #9: 2,4,5-TP (Silvex)



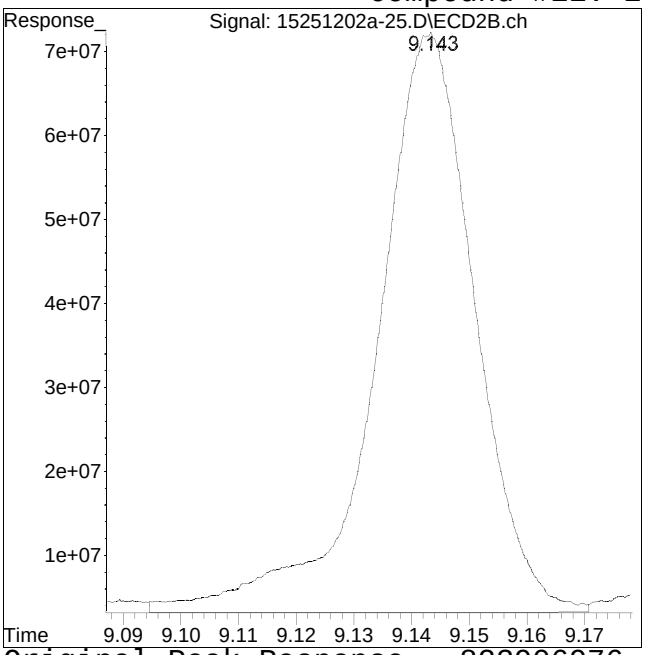


Original Peak Response = 1146150014 Manual Peak Response = 1112276684 M4
M4 = Poor automated baseline construction.

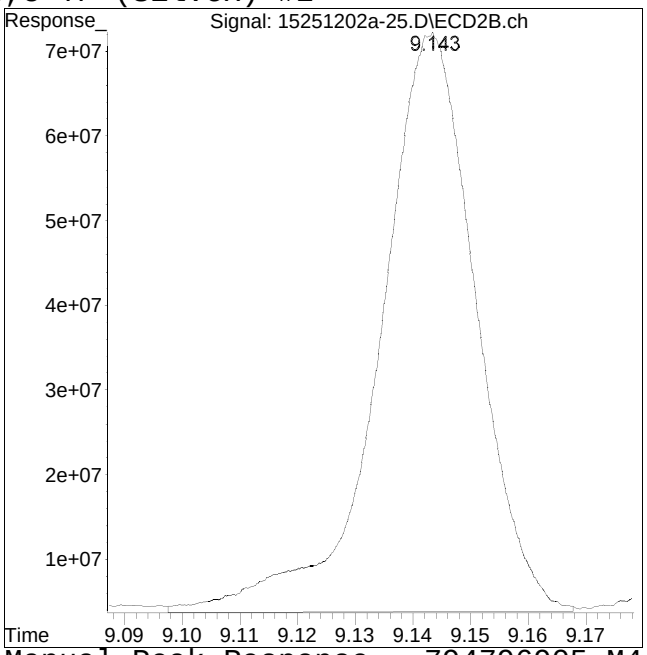
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-25.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 6:52 pm Instrument : Pest 15
Sample : WG2147488-2,42,, Quant Date : 12/4/2025 9:27 am

Compound #22: 2,4,5-TP (Silvex) #2



Original Peak Response = 823906976



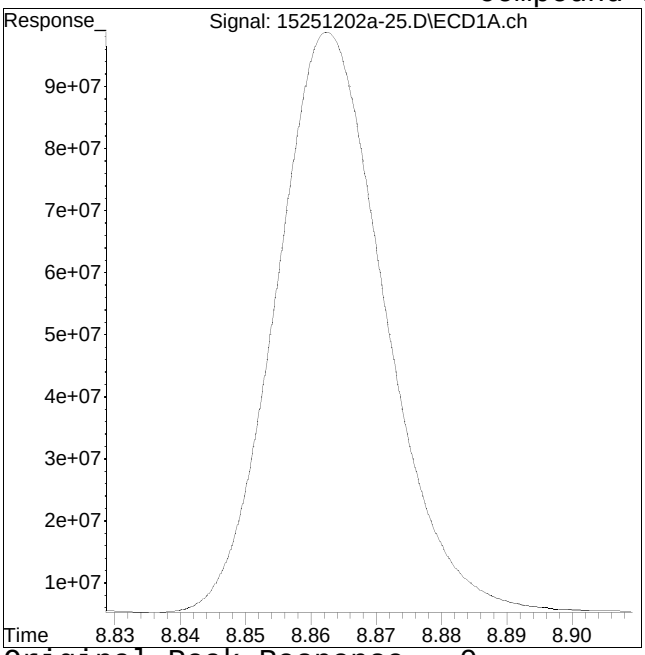
Manual Peak Response = 794796905 M4

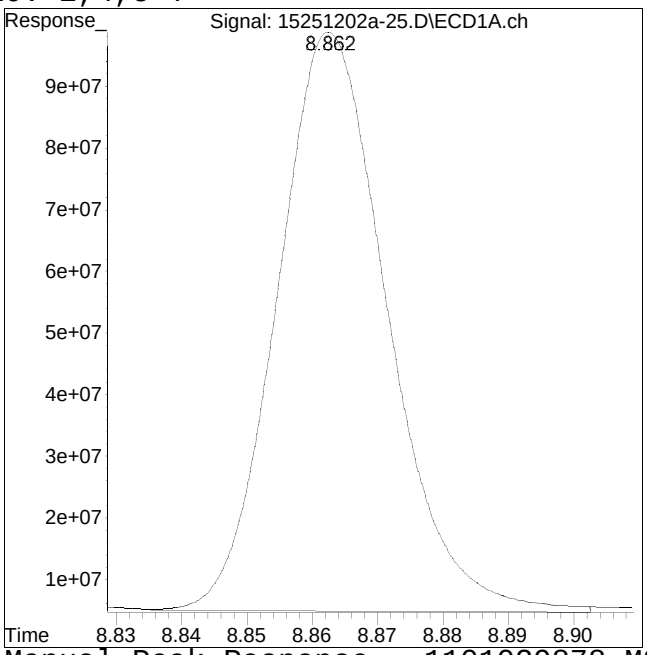
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-25.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 6:52 pm Instrument : Pest 15
Sample : WG2147488-2,42,, Quant Date : 12/4/2025 9:27 am

Compound #10: 2,4,5-T



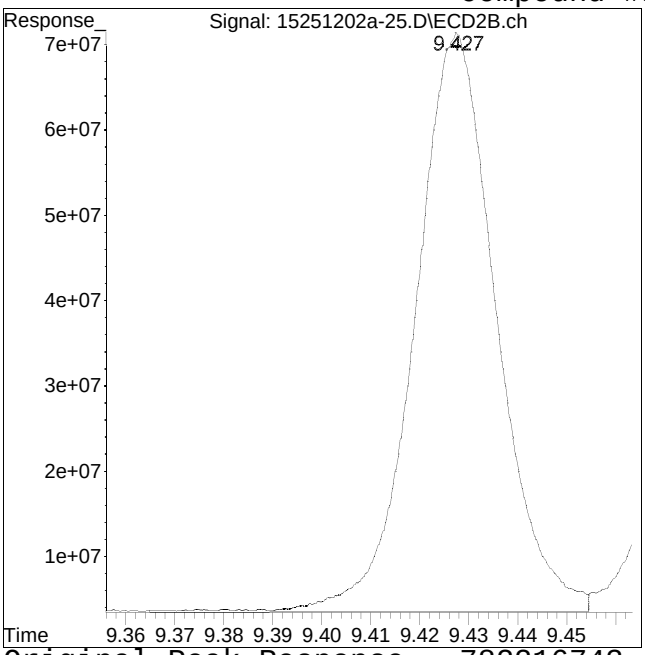


Original Peak Response = 0 Manual Peak Response = 1101029878 M2
M2 = Peak not found by automatic integration algorithm.

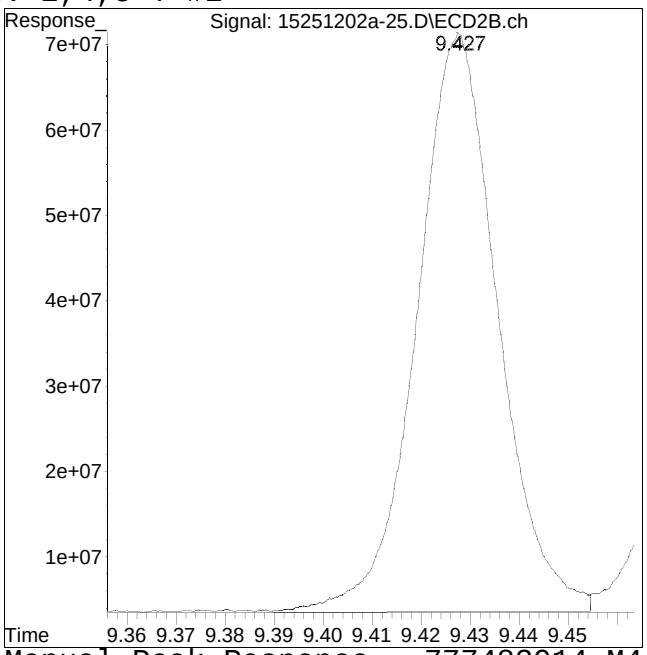
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-25.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 6:52 pm Instrument : Pest 15
Sample : WG2147488-2,42,, Quant Date : 12/4/2025 9:27 am

Compound #23: 2,4,5-T #2



Original Peak Response = 782216743



Manual Peak Response = 777483914 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest15\2025\251202A\
Data File : 15251202a-26.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2025 7:10 pm
Operator : Pest15:jag
Sample : WG2147488-3,42,,
Misc : wg2148330,WG2147488,ical22766
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 04 09:27:29 2025
Quant Method : I:\PEST\Pest15\2025\251202A\Herb15_2025_10_20_mgL_ICAL22766.m
Quant Title : herb
QLast Update : Wed Dec 03 05:56:44 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest15\2025\251202A\15251202a-19.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
	Internal Standards						
1) i	4,4'-DBOB	8.384	8.464	853.6E6	561.5E6	0.250M4	0.250M4
	Standard Area 1 : #1 = 789523187				Recovery = 108.12%		
	Standard Area 1 : #2 = 534089053				Recovery = 105.12%		
	System Monitoring Compounds						
3) s	DCAA (surrog	6.942	7.470	279.9E6	237.4E6	0.439M4	0.516M4
	Spiked Amount 0.500	Range 30 - 150		Recovery =	87.80%	103.20%	
	Target Compounds						
D							
8) t	2,4-D	7.959	8.512	317.6E6	241.5E6	0.441M4	0.475M4
9) t	2,4,5-TP (Si	8.648	9.143	1158.5E6	784.5E6	0.447M4	0.440M4
10) t	2,4,5-T	8.864f	9.428f	1157.0E6	818.3E6	0.449M4	0.476M4

SemiQuant Compounds - Not Calibrated on this Instrument

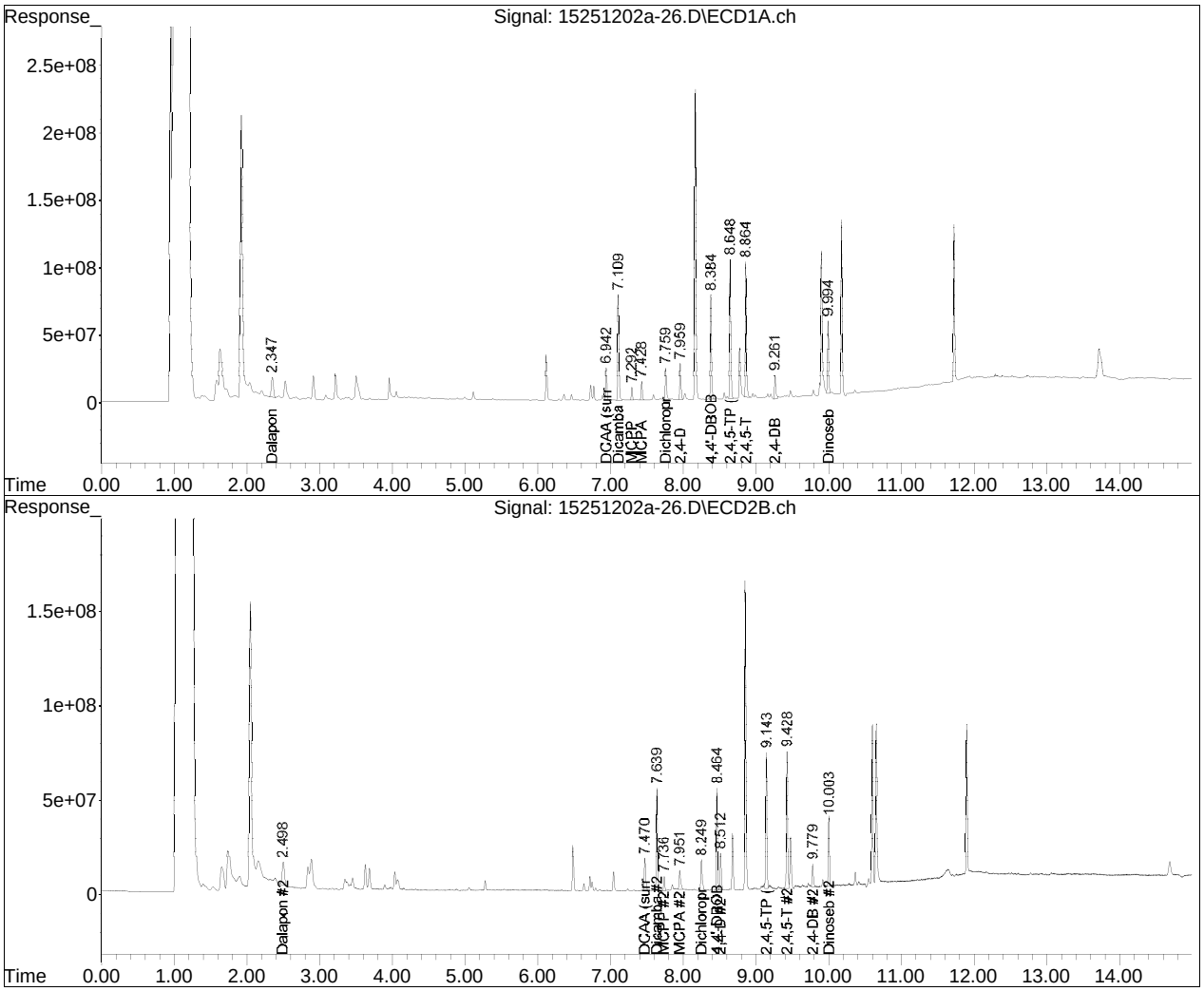
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\15251202a-19.D•

Data Path : I:\PEST\Pest15\2025\251202A\
Data File : 15251202a-26.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2025 7:10 pm
Operator : Pest15:jag
Sample : WG2147488-3,42,,
Misc : wg2148330,WG2147488,ical22766
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 04 09:27:29 2025
Quant Method : I:\PEST\Pest15\2025\251202A\Herb15_2025_10_20_mgL_ICAL22766.m
Quant Title : herb
QLast Update : Wed Dec 03 05:56:44 2025
Response via : Initial Calibration
Integrator: ChemStation

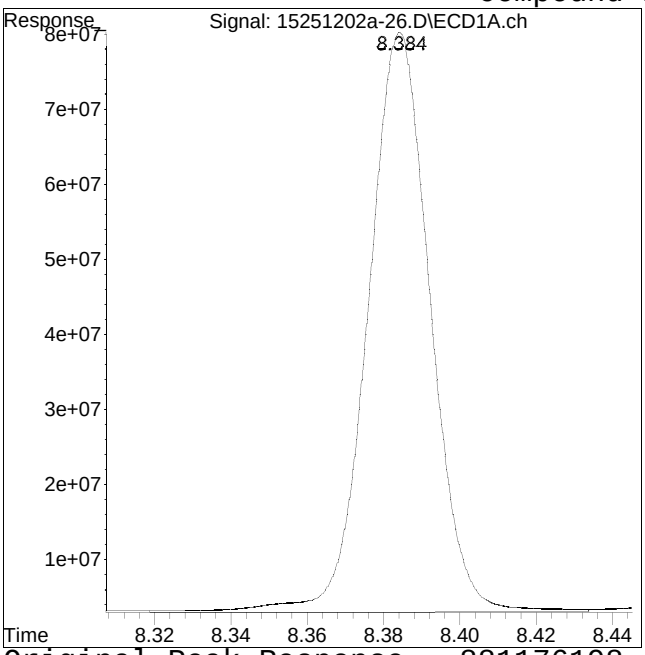
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

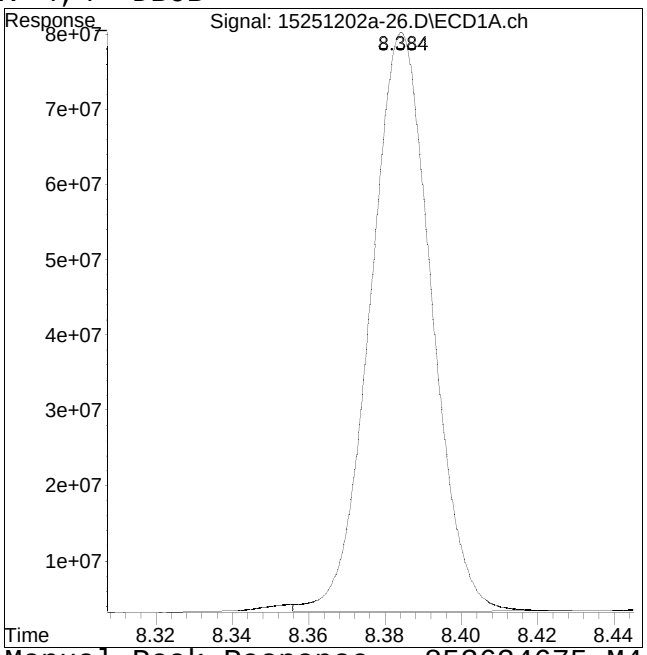


Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-26.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 7:10 pm Instrument : Pest 15
Sample : WG2147488-3,42,, Quant Date : 12/4/2025 9:27 am

Compound #1: 4,4'-DBOB



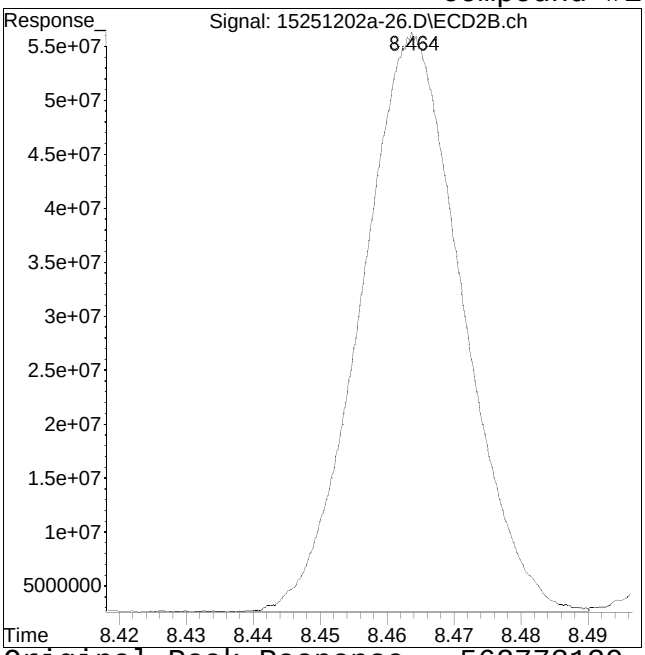


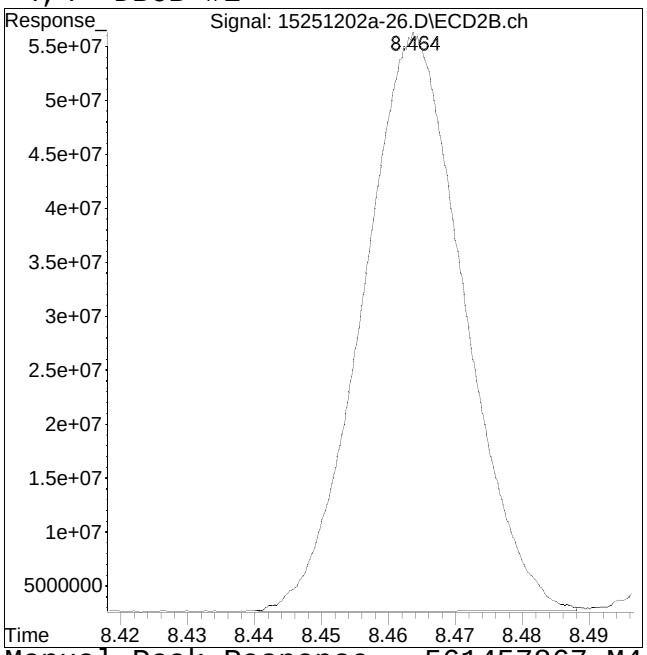
Original Peak Response = 881176198 Manual Peak Response = 853634675 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-26.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 7:10 pm Instrument : Pest 15
Sample : WG2147488-3,42,, Quant Date : 12/4/2025 9:27 am

Compound #14: 4,4'-DBOB #2



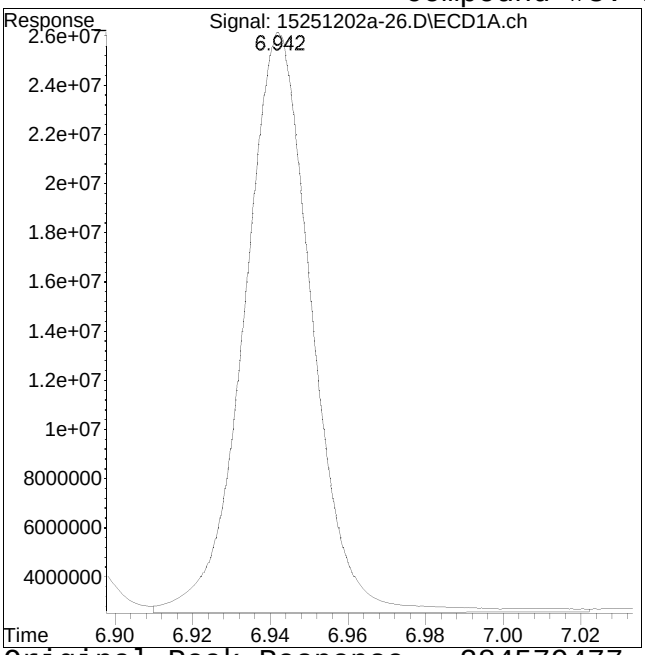


Original Peak Response = 562773139 Manual Peak Response = 561457867 M4
M4 = Poor automated baseline construction.

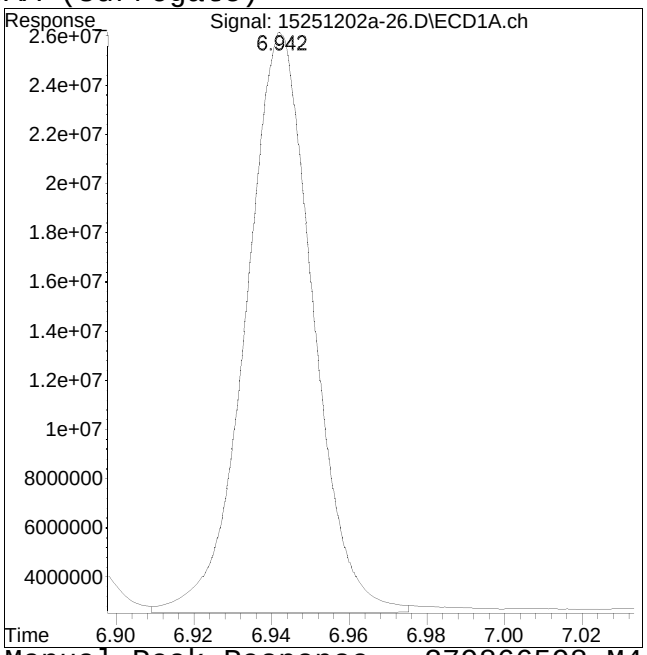
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-26.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 7:10 pm Instrument : Pest 15
Sample : WG2147488-3,42,, Quant Date : 12/4/2025 9:27 am

Compound #3: DCAA (surrogate)



Original Peak Response = 284579477



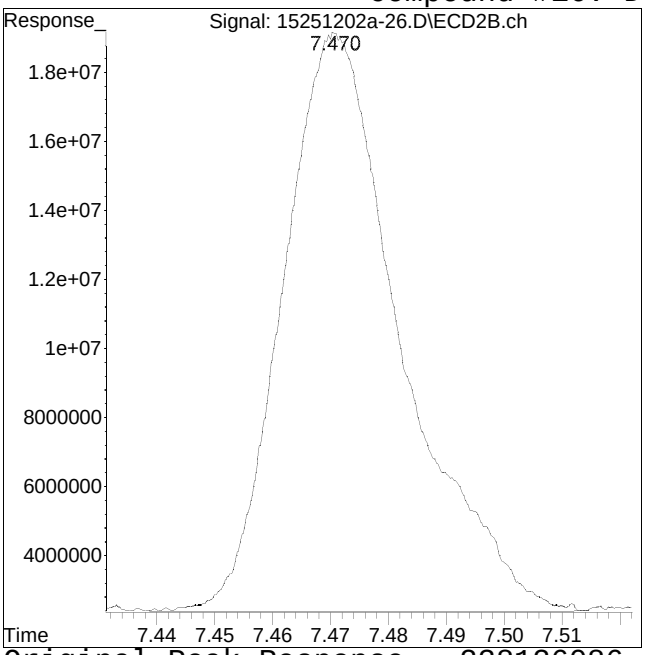
Manual Peak Response = 279866598 M4

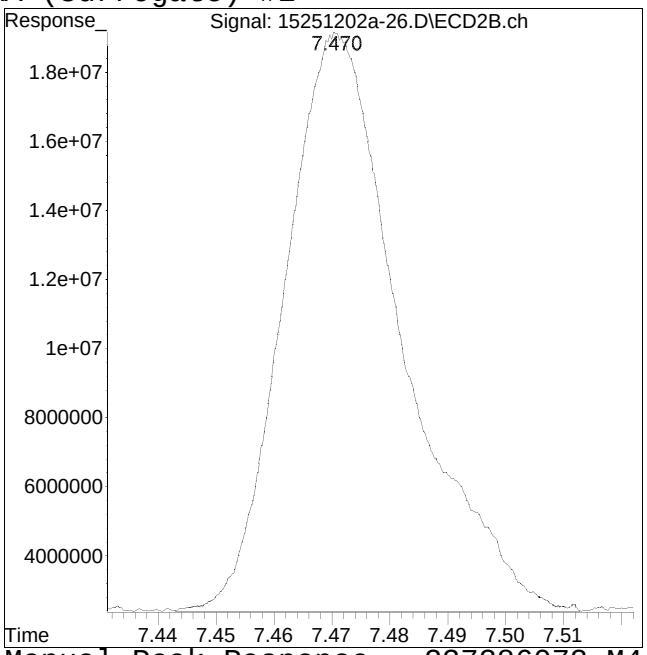
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-26.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 7:10 pm Instrument : Pest 15
Sample : WG2147488-3,42,, Quant Date : 12/4/2025 9:27 am

Compound #16: DCAA (surrogate) #2



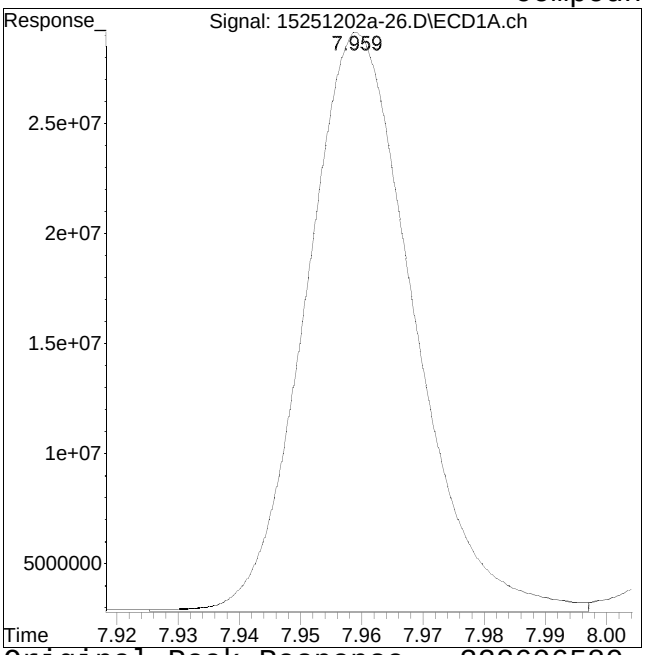


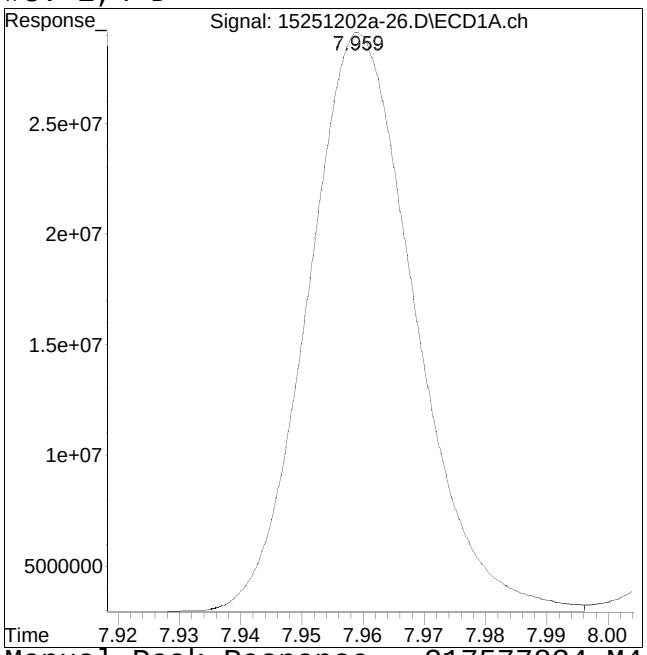
Original Peak Response = 238126086 Manual Peak Response = 237386072 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-26.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 7:10 pm Instrument : Pest 15
Sample : WG2147488-3,42,, Quant Date : 12/4/2025 9:27 am

Compound #8: 2,4-D



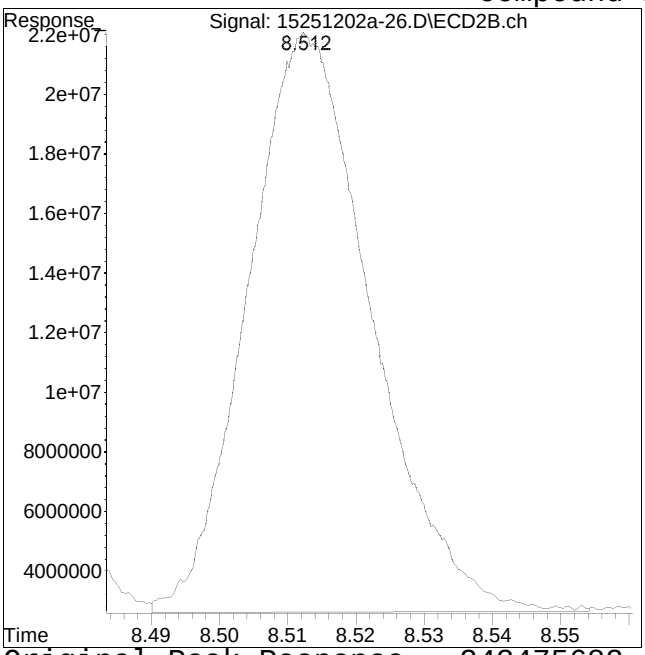


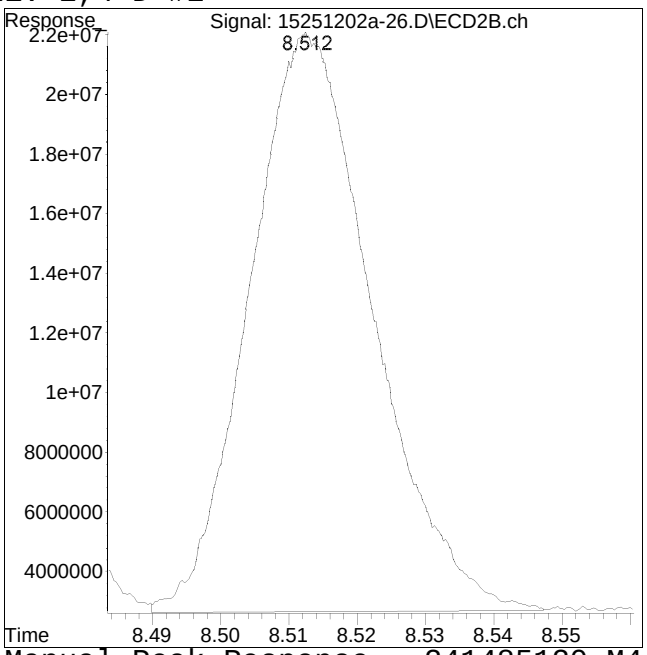
Original Peak Response = 322606580 Manual Peak Response = 317577834 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-26.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 7:10 pm Instrument : Pest 15
Sample : WG2147488-3,42,, Quant Date : 12/4/2025 9:27 am

Compound #21: 2,4-D #2



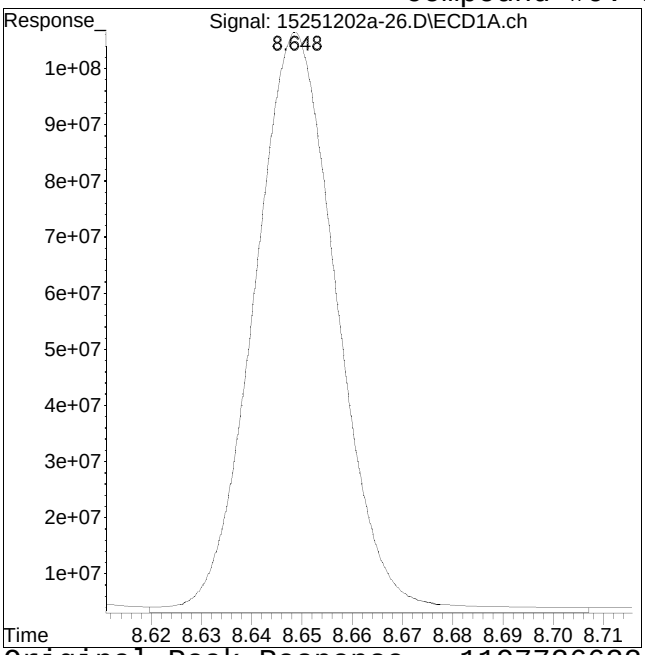


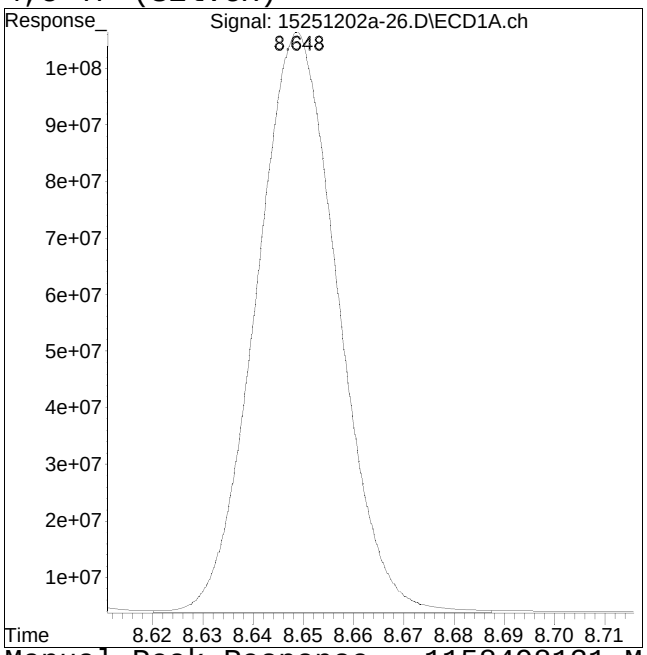
Original Peak Response = 243475682 Manual Peak Response = 241485120 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-26.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 7:10 pm Instrument : Pest 15
Sample : WG2147488-3,42,, Quant Date : 12/4/2025 9:27 am

Compound #9: 2,4,5-TP (Silvex)



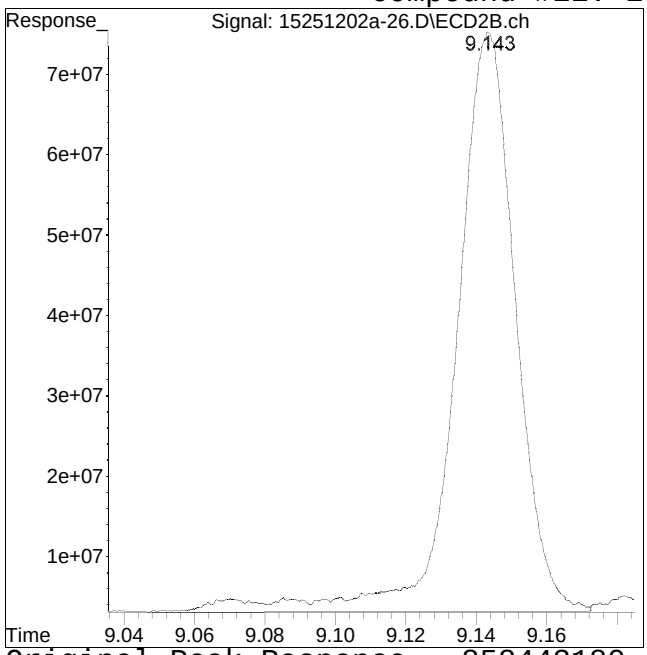


Original Peak Response = 1197726622 Manual Peak Response = 1158498131 M4
M4 = Poor automated baseline construction.

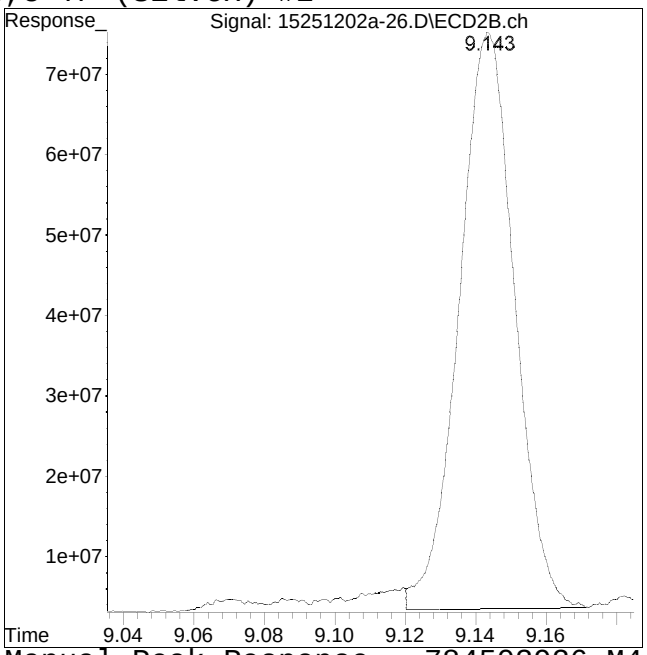
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-26.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 7:10 pm Instrument : Pest 15
Sample : WG2147488-3,42,, Quant Date : 12/4/2025 9:27 am

Compound #22: 2,4,5-TP (Silvex) #2



Original Peak Response = 858443180



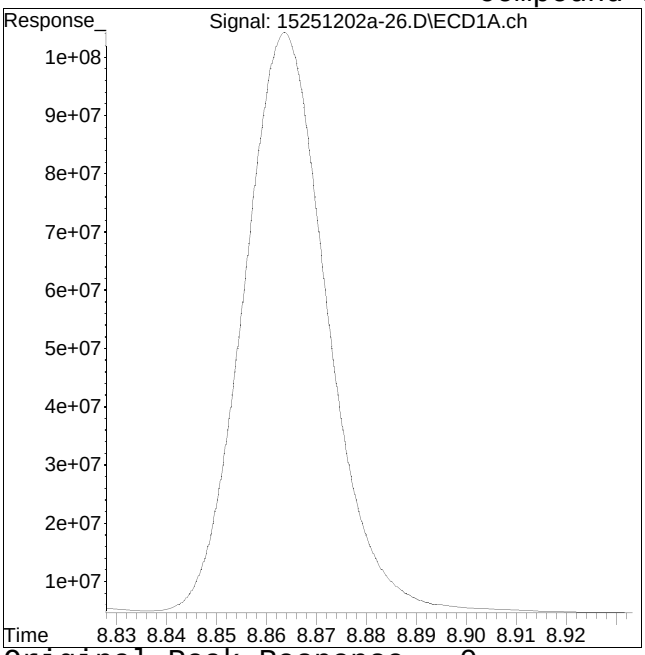
Manual Peak Response = 784503926 M4

M4 = Poor automated baseline construction.

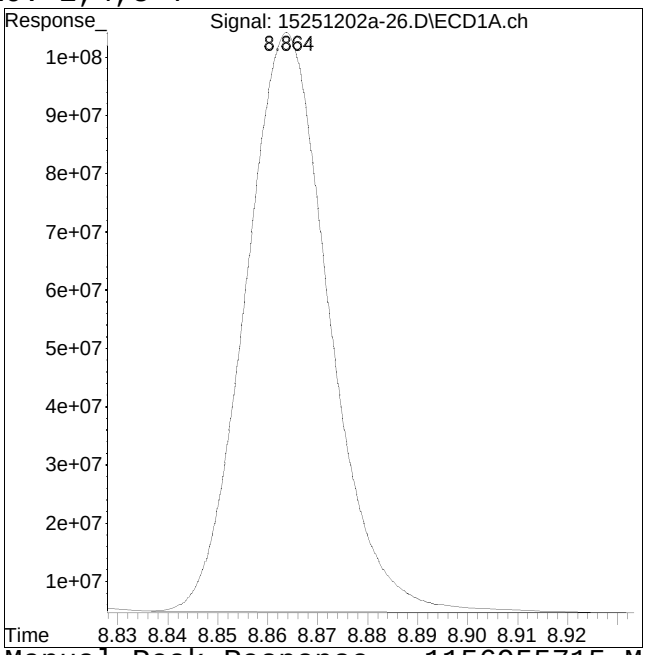
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-26.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 7:10 pm Instrument : Pest 15
Sample : WG2147488-3,42,, Quant Date : 12/4/2025 9:27 am

Compound #10: 2,4,5-T



Original Peak Response = 0



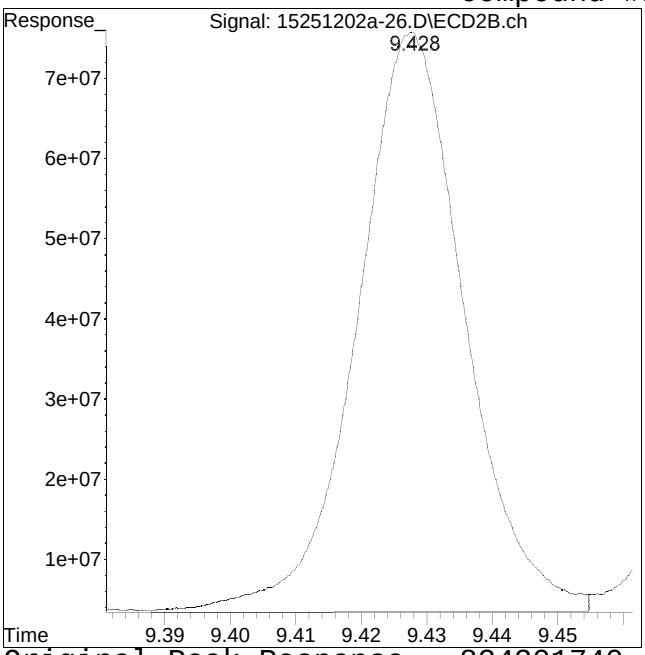
Manual Peak Response = 1156955715 M4

M4 = Poor automated baseline construction.

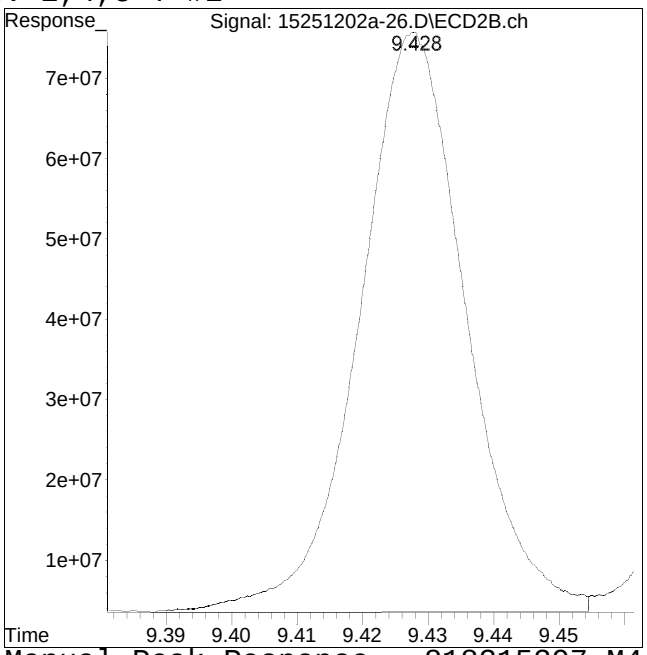
Manual Integration Report

Data Path : I:\PEST\Pest15\2025\251202QMethod : Herb15_2025_10_20_mgL_IC
Data File : 15251202a-26.D Operator : Pest15:jag
Date Inj'd : 12/2/2025 7:10 pm Instrument : Pest 15
Sample : WG2147488-3,42,, Quant Date : 12/4/2025 9:27 am

Compound #23: 2,4,5-T #2



Original Peak Response = 824301740



Manual Peak Response = 818315397 M4

M4 = Poor automated baseline construction.

Calculation of Herbicides

Aqueous Concentration Formula:
ug/L = [(As)*(Cis)*(D)*Vf]/[(Ais)*(RF)*(Vs)*1000]

Where:
As – Peak area of analyte
Ais – Peak area of internal standard
Cis – Concentration of internal standard (ug/L)
D – Dilution factor (D=1 for no dilution)
Vf – Final extract volume (mL)
Vs – Initial volume extracted (mL)
RF – Mean response factor

Soil/Solid Concentration Formula:
ug/kg = [(As)*(Cis)*(D)*Vf]/[(Ais)*(RF)*(Ws)*1000]

Where:
As – Peak area of analyte
Ais – Peak area of internal standard
Cis – Concentration of internal standard (ug/L)
D – Dilution factor (D=1 for no dilution)
Vf – Final extract volume (mL)
Ws – Initial weight extracted (g)
RF – Mean response factor

Dep.: PEST
Inst: PEST_15
Date: **10/20/25**
Run: ical

Method
GC: HERB

Seq: WG2133146
IS: pp12197

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	15251020i-01	blank,42e,,pp 12197 ---				
2	15251020i-02	il1herb,42e,,pp 12244 L0.005/5				EJL 10/24
3	15251020i-03	il2herb,42e,,pp 12244 L0.1/10				EJL 10/24
4	15251020i-04	il3herb,42e,,pp 12244 L0.2/20				EJL 10/24
5	15251020i-05	il4herb,42e,,pp 12244 L0.5/50				EJL 10/24
6	15251020i-06	il5herb,42e,,pp 12244 L1/100				EJL 10/24
7	15251020i-07	il6herb,42e,,pp 12244 L2/200				EJL 10/24
8	15251020i-08	cicv,42e,,pp 12208 L0.2/20 ICV				EJL 10/24

Dep.: PEST
Inst: PEST_15
Date: **12/02/25**
Run: a

Method
GC: HERB

Seq: WG2148330
IS: pp12197

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	15251202a-01	blank				
2	15251202a-02	herb12235 a/b: 24db high, a: mcpp, mcpa low, 245t, dino high, b: mcp				PEG 12/2
3	15251202a-03	blank				
4	15251202a-04	L2575620-07,42,,		jwg		
5	15251202a-05	WG2147917-1,42,, t	t 28-nov-25 14:33			PEG 12/3
6	15251202a-06	WG2147917-2,42,, t	t 28-nov-25 14:33			PEG 12/3
7	15251202a-07	WG2147917-3,42,, t	t 28-nov-25 14:33			PEG 12/3
8	15251202a-08	L2575792-01,42,,,R3C t	t 29-nov-25 14:58			PEG 12/3
9	15251202a-09	L2575278-01,42,,,R3E t				
10	15251202a-10	L2575620-08,42,,				
11	15251202a-11	L2575620-09,42,,				
12	15251202a-12	L2575620-10,42,,				
13	15251202a-13	L2575620-11,42,,			peq	
14	15251202a-14	WG2147306-2,42,, 305 rr				
15	15251202a-15	WG2147306-3,42,, 305 rr			jwg	
16	15251202a-16	L2574832-02,42,,				
17	15251202a-17	L2575198-02,42,,				
18	15251202a-18	L2575371-01,42,,				
19	15251202a-19	herb12235 a/b: 24db high, a: mcpp, mcpa low, b: mcpp, mcpa, dichloro high, 17:01				PEG 12/3
20	15251202a-20	L2575522-04,42,,				
21	15251202a-21	L2575522-05,42,,				
22	15251202a-22	L2575522-06,42,,			peg	
23	15251202a-23	L2575522-07,42,,				
24	15251202a-24	WG2147488-1,42,,				
25	15251202a-25	WG2147488-2,42,,				
26	15251202a-26	WG2147488-3,42,,				
27	15251202a-27	L2575576-08,42,,				
28	15251202a-28	L2573691-01,42,, t				
29	15251202a-29	L2573660-02,42,, t				
30	15251202a-30	L2573660-04,42,, t				
31	15251202a-31	L2573660-06,42,, t				
32	15251202a-32	WG2147966-1,42,, 8006 t				
33	15251202a-33	WG2147966-2,42,, 8006 t				
34	15251202a-34	WG2147966-3,42,, 8006 t				
35	15251202a-35	L2573965-01,42,, t				
36	15251202a-36	herb12235 a/b: 24db high, a: mcpp, mcpa low, b: mcpp, mcpa, dichloro, 24d high, 2				PEG 12/3
37	15251202a-37	L2575760-01,42,, t				
38	15251202a-38	L2575760-02,42,, t				
39	15251202a-39	L2575620-10,42,, t			peq	
40	15251202a-40	L2573812-01,42,, rv				
41	15251202a-41	L2574832-01,42,, rv			ejl	
42	15251202a-42	blank				
43	15251202a-43	WG2148561-1,42,, t	t 01-dec-25 14:43			PEG 12/3
44	15251202a-44	WG2148561-2,42,, t	t 01-dec-25 14:43			PEG 12/3
45	15251202a-45	WG2148561-3,42,, t	t 01-dec-25 14:43			PEG 12/3

Dep.: PEST
Inst: PEST_15
Date: **12/02/25**
Run: a

Method
GC: HERB

Seq: WG2148330
IS: pp12197

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
46	15251202a-46	L2575864-01,42,,,R3C t	t 01-dec-25 19:42			PEG 12/3
47	15251202a-47	L2575864-02,42,,,R3C t	t 01-dec-25 19:42			PEG 12/3
48	15251202a-48	L2575864-03,42,,,R3C t	t 01-dec-25 19:42			PEG 12/3
49	15251202a-49	L2575864-04,42,,,R3C t	t 01-dec-25 19:42			PEG 12/3
50	15251202a-50	L2575864-05,42,,,R3C t	t 01-dec-25 19:42			PEG 12/3
51	15251202a-51	herb12235	a/b: 24db high, a: mcpp, mcpa low, b: mcpp, mcpa high, 09:10 (12/3)			PEG 12/3
52	15251202a-52	L2575864-06,42,,,R3C t	t 01-dec-25 19:42			PEG 12/3
53	15251202a-53	WG2148009-1,42,,				
54	15251202a-54	WG2148009-2,42,,				
55	15251202a-55	WG2148009-3,42,,				
56	15251202a-56	L2575263-01,42,,				
57	15251202a-57	L2575263-02,42,,				
58	15251202a-58	L2575424-01,42,,				
59	15251202a-59	L2575424-02,42,,				
60	15251202a-60	L2575424-03,42,,				
61	15251202a-61	L2575424-04,42,,				
62	15251202a-62	L2575424-05,42,,				
63	15251202a-63	L2575424-06,42,,				
64	15251202a-64	L2575424-07,42,,				
65	15251202a-65	herb12235				
66	15251202a-66	L2575424-08,42,,				
67	15251202a-67	L2575424-09,42,,				
68	15251202a-68	L2575424-10,42,,				
69	15251202a-69	L2575424-11,42,,				
70	15251202a-70	L2575424-12,42,,				
71	15251202a-71	L2575424-13,42,,				
72	15251202a-72	L2575424-14,42,,				
73	15251202a-73	L2575424-15,42,,			peg	

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Dec 08 2025, 12:13 pm

Work Group: WG2147488 for Department: 2 Organic Preparation

Created: 29-NOV-25 Due: Operator: YDA

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2575576-08	WC-112525	S	HERB-APA	WATER	DONE	U		1202 1208	S0	Amber-A1
WG2147488-1	Laboratory Method Bl	S	HERB-APA	WATER	DONE	U				
WG2147488-2	Laboratory Control S	S	HERB-APA	WATER	DONE	U				
WG2147488-3	LCS Duplicate	S	HERB-APA	WATER	DONE	U				

Comments:

WG2147488-3 WG2147488-2

ORGANIC ELN REPORT

Workgroup: WG2147488

Prep Method: EPA 8151A
Solvent Type: Diethyl ether **Lot #:** 25050115
Surrogate Type: Herbicide **Lot #:** PP12279au,04/28/2026,d5,26,4
Spike Type: Herbicides **Lot #:** PP12275ae,12/05/2025,4c,10,5
Spike Verify by: YDA
Lims Spikelot: HERB8151

Additional Reagents/Stds

12N H2SO4	12A111225
25% NaOH	Na111325
Acidified Na2SO4	AS112925
DCM	EL173
Diethyl ether	25050115
Na2S2O3	N/A
NaCl	25F1156321

Conc.Method: S-EVAP/N-EVAP
Solvent Type: Diethyl ether
Lot #: 25050115

Additional Reagents/Stds

Acidified Na2SO4	AS120125
Diazomethane	D120125
Hexane	EL223
Isooctane	STBL1836
Methanol	65016
Silicic Acid	MKCL9565

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction									Concentration					
	Extract Date	Analyst	Sample Vol **ml**	Ph	Trc Check	Surr Amt **ml**	Spike Amt **ml**	Hydrolysis Start	Hydrolysis Stop	Conc Date	Analyst	Conc Volume **ml**	Methylation Date	ml **ml**	Conc Unit
L2575576-08 SAMP	11/29/25 21:25	Yaw Adu	1000	>12,<2	N/A	.5		11/29/25 22:05	11/29/25 23:35	12/01/25 20:50	Frederick Opoku	0.5	12/01/25 22:00	10	G,7
WG2147488-1 BLANK	11/29/25 21:25	Yaw Adu	1000	>12,<2	N/A	.5		11/29/25 22:05	11/29/25 23:35	12/01/25 20:50	Frederick Opoku	0.5	12/01/25 22:00	10	G,7
WG2147488-2 LCS	11/29/25 21:25	Yaw Adu	1000	>12,<2	N/A	.5	.5	11/29/25 22:05	11/29/25 23:35	12/01/25 20:50	Frederick Opoku	0.5	12/01/25 22:00	10	G,7
WG2147488-3 LCSD	11/29/25 21:25	Yaw Adu	1000	>12,<2	N/A	.5	.5	11/29/25 22:05	11/29/25 23:35	12/01/25 20:50	Frederick Opoku	0.5	12/01/25 22:00	10	G,7

Reported: 08-DEC-25 12:13 PM

GC Extractable Analysis Polychlorinated Biphenyls (PCB)

Aroclor QC Summary

Surrogate Recovery Summary
Form 2
PCBs

Client: Roux Env. Eng. & Geology, DPC
Project Name: 1000 TURK HILL RD GWS

Lab Number: L2575576
Project Number: 3113.0001Y000
Matrix: Water

GC Column 1: CLP-Pesticide
GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
WC-112525 (L2575576-08)	68	76	56	85			0
WG2147434-1BLANK	68	79	69	104			0
WG2147434-2LCS	69	76	66	99			0
WG2147434-3LCSD	67	73	65	88			0

QC LIMITS
(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE
(30-150) DCBP = DECACHLOROBIPHENYL

*** Values outside of QC limits**

Laboratory Control Sample Summary
Form 3
PCBs

Client	: Roux Env. Eng. & Geology, DPC			**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS			**Project Number**	: 3113.0001Y000
Matrix (Level)	: WATER (LOW)				
LCS Sample ID	: WG2147434-2	**Analysis Date**	: 11/30/25 14:08	**File ID**	: P2251130a-10
LCSD Sample ID	: WG2147434-3	**Analysis Date**	: 11/30/25 14:17	**File ID**	: P2251130a-11

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (ug/l)**	**Found (ug/l)**	**%R**	**True (ug/l)**	**Found (ug/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Aroclor 1016	2.5	1.77	71	2.5	1.72	69	3	40-140	50
Aroclor 1260	2.5	2.20	88	2.5	2.16	86	2	40-140	50

Method Blank Summary
Form 4
PCBs

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab Sample ID	: WG2147434-1	**Lab File ID**	: P2251130a-09
Matrix	: WATER	**Extraction Date**	: 11/29/25
Sulfur Cleanup	: Y		
Analysis Date (1)	: 11/30/25 13:58	**Analysis Date (2)**	: 11/30/25 13:58
Instrument ID (1)	: PEST2	**Instrument ID (2)**	: PEST2

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG2147434-2LCS	WG2147434-2	11/30/25 14:08	11/30/25 14:08
WG2147434-3LCSD	WG2147434-3	11/30/25 14:17	11/30/25 14:17
WC-112525	L2575576-08	11/30/25 14:55	11/30/25 14:55

Analytical Sequence
Form 8b
PCBs

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: PEST2	**Initial Calib. Date(s)**	: 11/07/25 11/07/25

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L9 (250ug/L)	R2036408-1	11/07/25 10:56
1232/1262 L9 (250ug/L)	R2036408-2	11/07/25 11:05
1248 L9 (250ug/L)	R2036408-4	11/07/25 11:14
1221/1254 L9 (250ug/L)	R2036408-3	11/07/25 11:22
1016/1260 L1 (4ug/L)	R2036408-5	11/07/25 11:31
1016/1260 L2 (7ug/L)	R2036408-6	11/07/25 11:40
1016/1260 L3 (10ug/L)	R2036408-7	11/07/25 11:48
1016/1260 L4 (20ug/L)	R2036408-8	11/07/25 11:57
1016/1260 L5 (30ug/L)	R2036408-9	11/07/25 12:06
1016/1260 L6 (40ug/L)	R2036408-10	11/07/25 12:14
1016/1260 L7 (50ug/L)	R2036408-11	11/07/25 12:23
1016/1260 L8 (100ug/L)	R2036408-12	11/07/25 12:32
1016/1260 L9 (250ug/L)	R2036408-13	11/07/25 12:40
1016/1260 L10 (500ug/L)	R2036408-14	11/07/25 12:49
1016/1260 L11 (1000ug/L)	R2036408-15	11/07/25 12:58
R2036408-16 ICV	R2036408-16	11/07/25 13:07
R2036408-17 ICV	R2036408-17	11/07/25 13:15
R2036408-18 ICV	R2036408-18	11/07/25 13:24
R2036408-19 ICV	R2036408-19	11/07/25 13:33
R2036408-20 ICV	R2036408-20	11/07/25 13:41
WG2147633-1 CCAL	WG2147633-1	11/30/25 12:27
WG2147434-1 BLANK	WG2147434-1	11/30/25 13:58
WG2147434-2 LCS	WG2147434-2	11/30/25 14:08
WG2147434-3 LCSD	WG2147434-3	11/30/25 14:17
WC-112525	L2575576-08	11/30/25 14:55

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14021-1
Page: 1

PCB - EPA 8082A (WATER)

Holding Time: 365 days
Container/Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Aroclor 1016	12674-11-2	0.25	0.0156	ug/l	40-140	50	40-140	50	50			
Aroclor 1221	11104-28-2	0.25	0.0221	ug/l	40-140	50	40-140	50	50			
Aroclor 1232	11141-16-5	0.25	0.046	ug/l	40-140	50	40-140	50	50			
Aroclor 1242	53469-21-9	0.25	0.0362	ug/l	40-140	50	40-140	50	50			
Aroclor 1248	12672-29-6	0.25	0.0455	ug/l	40-140	50	40-140	50	50			
Aroclor 1254	11097-69-1	0.25	0.0168	ug/l	40-140	50	40-140	50	50			
Aroclor 1260	11096-82-5	0.25	0.0344	ug/l	40-140	50	40-140	50	50			
Aroclor 1262	37324-23-5	0.25	0.033	ug/l	40-140	30	40-140	50	50			
Aroclor 1268	11100-14-4	0.25	0.0317	ug/l	40-140	30	40-140	50	50			
PCBs, Total	1336-36-3	0.25	0.0156	ug/l				50	50			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

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

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14022-1
Page: 1

PCB - EPA 8082A (SOIL)

Holding Time: 365 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Aroclor 1016	12674-11-2	50	4.44	ug/kg	40-140	50	40-140	50	50			
Aroclor 1221	11104-28-2	50	5.01	ug/kg	40-140	50	40-140	50	50			
Aroclor 1232	11141-16-5	50	10.6	ug/kg	40-140	50	40-140	50	50			
Aroclor 1242	53469-21-9	50	6.74	ug/kg	40-140	50	40-140	50	50			
Aroclor 1248	12672-29-6	50	7.5	ug/kg	40-140	50	40-140	50	50			
Aroclor 1254	11097-69-1	50	5.47	ug/kg	40-140	50	40-140	50	50			
Aroclor 1260	11096-82-5	50	9.24	ug/kg	40-140	50	40-140	50	50			
Aroclor 1262	37324-23-5	50	6.35	ug/kg	40-140	30	40-140	50	50			
Aroclor 1268	11100-14-4	50	5.18	ug/kg	40-140	30	40-140	50	50			
PCBs, Total	1336-36-3	50	4.44	ug/kg				50	50			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

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

Method Detection Limit - Spike Replicates (MDLs)
Pace Analytical Services
Westborough, MA

EPA 608.3, EPA 8082, Liquid Compound	Units	Target Concentration	Mean (x)	% Recovery	Standard Deviation (S)	Number of Replicates	Student t-value (t)	MDLs	LOQ
Aroclor 1016 (Channel A)	ug/l	0.04	0.0353	88%	0.0048	13	2.68099799	0.0128	0.04
Aroclor 1260 (Channel A)	ug/l	0.04	0.0351	88%	0.0057	13	2.68099799	0.0153	0.04
Aroclor 1016 (Channel B)	ug/l	0.04	0.0423	106%	0.0037	13	2.68099799	0.0100	0.04
Aroclor 1260 (Channel B)	ug/l	0.04	0.0341	85%	0.0049	13	2.68099799	0.0132	0.04

Comments: _____

Prep Method: EPA 3510C
Initial Weight / Volume: 100 mL
Final Volume: 1 mL

Aroclor Sample Data

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-08	Date Collected	: 11/25/25 12:00
Client ID	: WC-112525	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 11/30/25 14:55
Sample Matrix	: WATER	Date Extracted	: 11/29/25
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: P2251130a-15	Analyst	: SDC
Sample Amount	: 100 ml	Instrument ID	: PEST2
Extraction Method	: EPA 3510C	GC Column	: CLP-Pesticide
Extract Volume	: 500 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
12674-11-2	Aroclor 1016	ND	0.071	0.021	U
11104-28-2	Aroclor 1221	ND	0.071	0.026	U
11141-16-5	Aroclor 1232	ND	0.071	0.026	U
53469-21-9	Aroclor 1242	ND	0.071	0.026	U
12672-29-6	Aroclor 1248	ND	0.071	0.026	U
11097-69-1	Aroclor 1254	ND	0.071	0.026	U
11096-82-5	Aroclor 1260	ND	0.071	0.026	U
37324-23-5	Aroclor 1262	ND	0.071	0.026	U
11100-14-4	Aroclor 1268	ND	0.071	0.026	U
1336-36-3	PCBs, Total	ND	0.071	0.021	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: WG2147434-1	Date Collected	: NA
Client ID	: WG2147434-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/30/25 13:58
Sample Matrix	: WATER	Date Extracted	: 11/29/25
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: P2251130a-09	Analyst	: SDC
Sample Amount	: 100 ml	Instrument ID	: PEST2
Extraction Method	: EPA 3510C	GC Column	: CLP-Pesticide
Extract Volume	: 500 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
12674-11-2	Aroclor 1016	ND	0.071	0.021	U
11104-28-2	Aroclor 1221	ND	0.071	0.026	U
11141-16-5	Aroclor 1232	ND	0.071	0.026	U
53469-21-9	Aroclor 1242	ND	0.071	0.026	U
12672-29-6	Aroclor 1248	ND	0.071	0.026	U
11097-69-1	Aroclor 1254	ND	0.071	0.026	U
11096-82-5	Aroclor 1260	ND	0.071	0.026	U
37324-23-5	Aroclor 1262	ND	0.071	0.026	U
11100-14-4	Aroclor 1268	ND	0.071	0.026	U
1336-36-3	PCBs, Total	ND	0.071	0.021	U

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251130a\
Data File : P2251130a-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Nov 2025 14:55
Operator : pest2:sdc
Sample : L2575576-08,42,,
Misc : WG2147633,WG2147434,ICAL22817
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 30 18:24:47 2025
Quant Method : I:\PCB\Pest2\2025\251130A\P2_PCB_11_07_25_iRVT_ICAL22817.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2025\251130a\P2251130a-04.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.172	1.225	424.6E6	595.7E6	25.000	25.000
	Standard Area 1 : #1 = 364362980				Recovery =	116.52%	
	Standard Area 1 : #2 = 567924363				Recovery =	104.89%	
14) i	2154_1br2nb	1.172	1.225	424.6E6	595.7E6	25.000	25.000
23) i	4268_1br2nb	1.172	1.225	424.6E6	595.7E6	25.000	25.000
34) i	1248_1br2nb	1.172	1.225	424.6E6	595.7E6	25.000	25.000
40) i	3262_1br2nb	1.172	1.225	424.6E6	595.7E6	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.451	1.588	722.5E6	1014.9E6	34.021	37.965
	Spiked Amount 50.000	Range 30 - 150		Recovery =		68.04%	75.93%
3) s	Decachlorobi	4.000	4.474	498.3E6	613.7E6	28.199M3	42.703M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		56.40%	85.41%
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1	1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1	1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1	1016-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2	1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2	1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2	1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2	1260-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000

Data Path : I:\PCB\Pest2\2025\251130a\
Data File : P2251130a-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Nov 2025 14:55
Operator : pest2:sdc
Sample : L2575576-08,42,,
Misc : WG2147633,WG2147434,ICAL22817
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 30 18:24:47 2025
Quant Method : I:\PCB\Pest2\2025\251130A\P2_PCB_11_07_25_iRVT_ICAL22817.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2025\251130a\P2251130a-04.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) l3	1221-1	0.000	0.000	0	0	N.D.	N.D.
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D.	N.D.
19) l4	1254-2	0.000	0.000	0	0	N.D.	N.D.
20) l4	1254-3	0.000	0.000	0	0	N.D.	N.D.
21) l4	1254-4	0.000	0.000	0	0	N.D.	N.D.
22) l4	1254-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D.	N.D.
26) l6	1242-3	0.000	0.000	0	0	N.D.	N.D.
27) l6	1242-4	0.000	0.000	0	0	N.D.	N.D.
28) l6	1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9	1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D.	N.D.

Data Path : I:\PCB\Pest2\2025\251130a\
Data File : P2251130a-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Nov 2025 14:55
Operator : pest2:sdc
Sample : L2575576-08,42,,
Misc : WG2147633,WG2147434,ICAL22817
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 30 18:24:47 2025
Quant Method : I:\PCB\Pest2\2025\251130A\P2_PCB_11_07_25_iRVT_ICAL22817.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2025\251130a\P2251130a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36) l7 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) l7 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) l7 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) l7 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) l5 1232-3	0.000	0.000	0	0	N.D.	N.D.
44) l5 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) l5 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D.	N.D.
47) l8 1262-2	0.000	0.000	0	0	N.D.	N.D.
48) l8 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251130a\
Data File : P2251130a-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Nov 2025 14:55
Operator : pest2:sdc
Sample : L2575576-08,42,,
Misc : WG2147633,WG2147434,ICAL22817
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 30 18:24:47 2025
Quant Method : I:\PCB\Pest2\2025\251130A\P2_PCB_11_07_25_iRVT_ICAL22817.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2025\251130a\P2251130a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

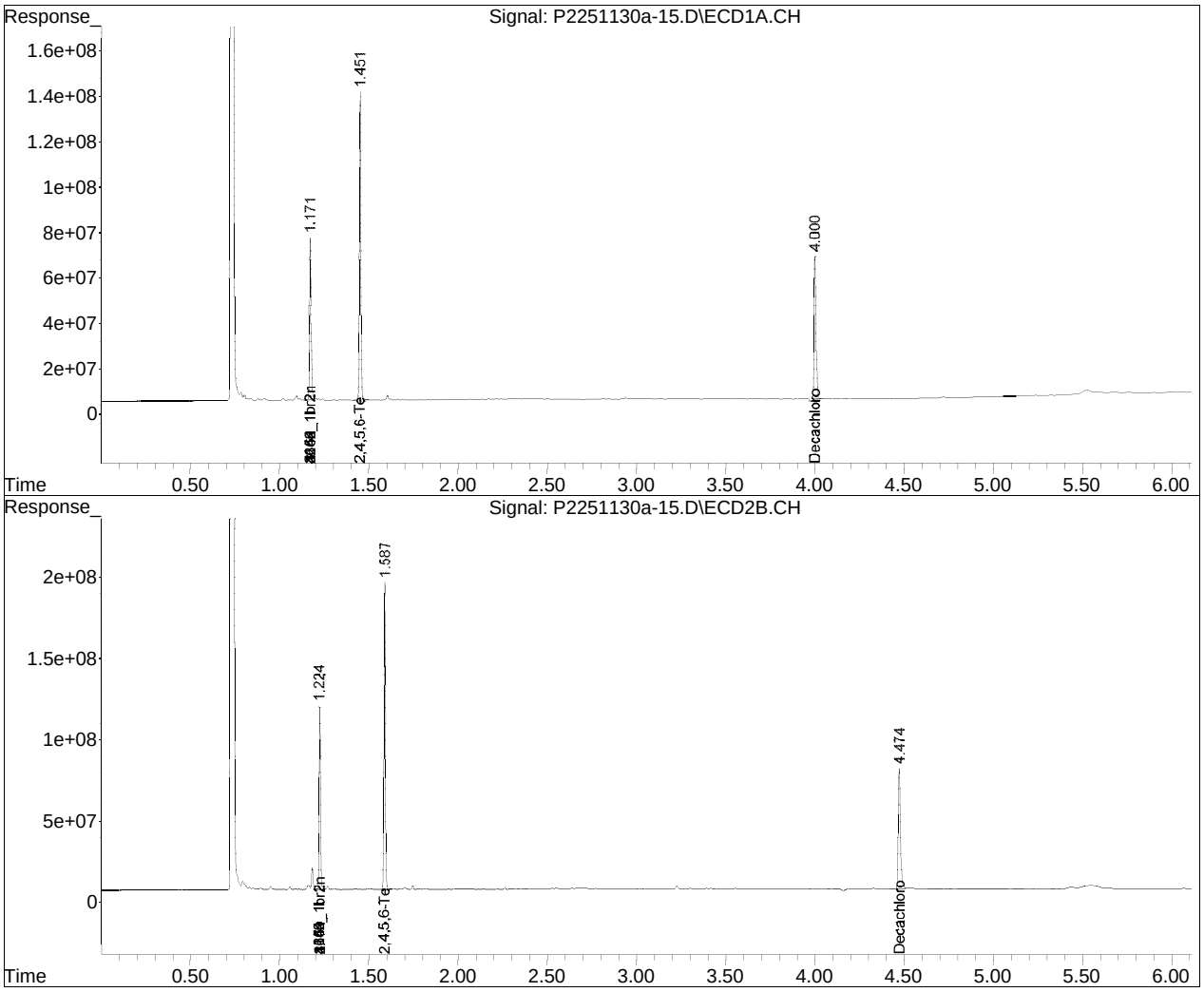
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedP2251130a-04.D•

Data Path : I:\PCB\Pest2\2025\251130a\
Data File : P2251130a-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Nov 2025 14:55
Operator : pest2:sdc
Sample : L2575576-08,42,,
Misc : WG2147633,WG2147434,ICAL22817
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 30 18:24:47 2025
Quant Method : I:\PCB\Pest2\2025\251130A\P2_PCB_11_07_25_iRVT_ICAL22817.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

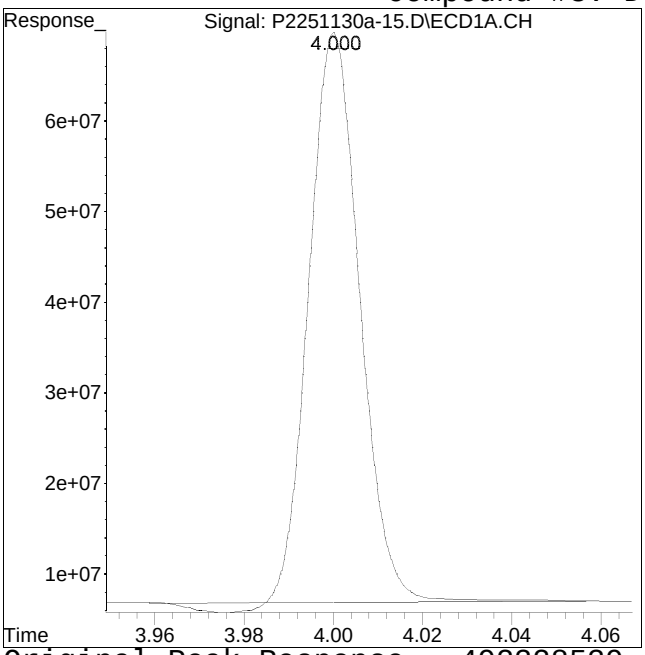
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

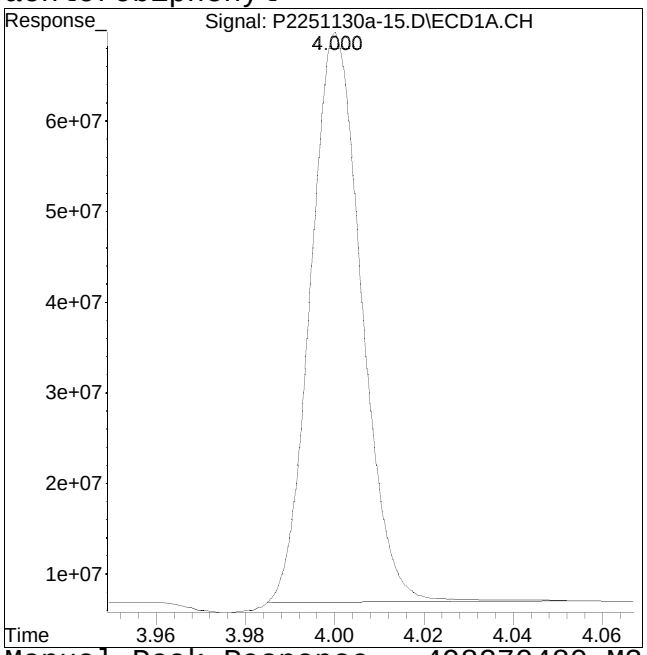


Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251130a\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251130a-15.D Operator : pest2:sdc
Date Inj'd : 11/30/2025 14:55 Instrument : Pest 2
Sample : L2575576-08,42,, Quant Date : 11/30/2025 6:24 pm

Compound #3: Decachlorobiphenyl



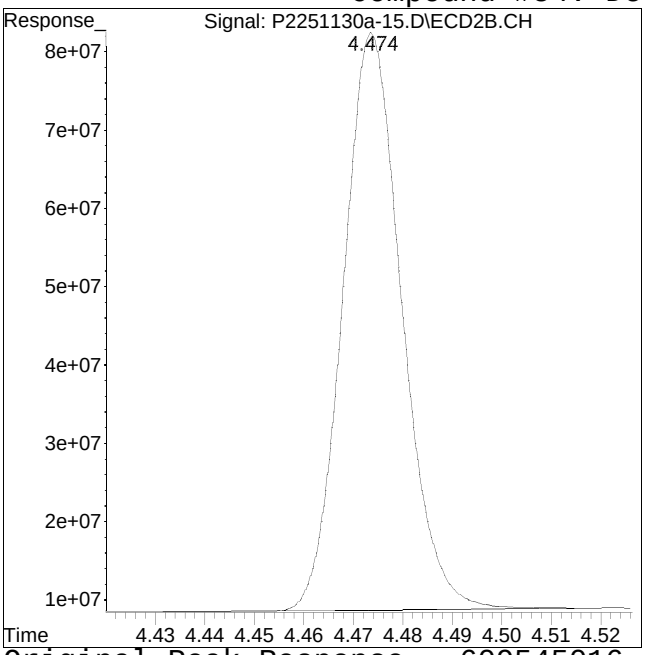


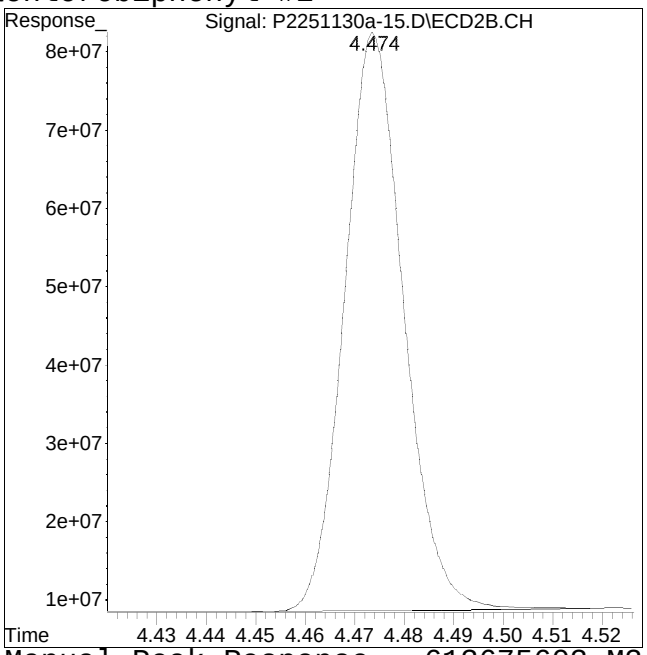
Original Peak Response = 492328539 Manual Peak Response = 498270480 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251130a\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251130a-15.D Operator : pest2:sdc
Date Inj'd : 11/30/2025 14:55 Instrument : Pest 2
Sample : L2575576-08,42,, Quant Date : 11/30/2025 6:24 pm

Compound #54: Decachlorobiphenyl #2





Original Peak Response = 609545016 Manual Peak Response = 613675603 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Aroclor Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
PCBs

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2575576**
Project Name	**: 1000 TURK HILL RD GWS**	**Project Number**	**: 3113.0001Y000**
Instrument ID	**: PEST2**	**Ical Ref**	**: ICAL22817**
Calibration dates	**: 11/07/25 10:56 11/07/25 12:58**		

Calibration Files

L1 =P2251107i-08.D L2 =P2251107i-09.D L3 =P2251107i-10.D L4 =P2251107i-11.D L5 =P2251107i-12.D
L6 =P2251107i-13.D L7 =P2251107i-14.D L8 =P2251107i-15.D L9 =P2251107i-07.D L10 =P2251107i-17.D
L11 =P2251107i-18.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	Avg	%RSD
1)	i	1660_1br2nb	----------ISTD----------												
2)	s	2,4,5,6-Tetrachloro-m-xylene	1.301	1.246	1.164	1.146	1.224	1.239	1.241	1.238	1.366	1.314	1.276	1.250	5.06
3)	s	Decachlorobiphenyl		1.360	1.003	0.952	1.031	1.033	1.018	0.981	1.064	1.007	0.956	1.040	11.28
4)	l	1016-1	0.022	0.022	0.021	0.020	0.021	0.021	0.021	0.020	0.021	0.020	0.019	0.021	4.96
5)	l	1016-2	0.058	0.057	0.052	0.051	0.051	0.052	0.053	0.050	0.051	0.049	0.046	0.052	6.47
6)	l	1016-3	0.105	0.100	0.095	0.090	0.097	0.097	0.097	0.096	0.105	0.100	0.098	0.098	4.29
7)	l	1016-4	0.044	0.041	0.039	0.039	0.042	0.042	0.043	0.041	0.043	0.042	0.040	0.041	3.85
8)	l	1016-5	0.054	0.047	0.042	0.040	0.042	0.039	0.041	0.041	0.043	0.041	0.040	0.043	10.20
9)	l	1260-1	0.066	0.064	0.058	0.056	0.060	0.061	0.061	0.060	0.063	0.061	0.058	0.061	4.63
10)	l	1260-2	0.101	0.098	0.089	0.089	0.094	0.096	0.096	0.094	0.100	0.095	0.092	0.095	4.25
11)	l	1260-3	0.048	0.044	0.046	0.042	0.048	0.048	0.048	0.048	0.052	0.050	0.049	0.048	5.71
12)	l	1260-4	0.100	0.099	0.096	0.096	0.100	0.104	0.104	0.103	0.113	0.110	0.108	0.103	5.52
13)	l	1260-5	0.087	0.081	0.077	0.073	0.078	0.080	0.079	0.077	0.085	0.082	0.079	0.080	4.82
14)	i	2154_1br2nb	----------ISTD----------												
15)	l	1221-1									0.011			0.011	0.00
16)	l	1221-2									0.007			0.007	0.00
17)	l	1221-3									0.028			0.028	0.00
18)	l	1254-1									0.039			0.039	0.00
19)	l	1254-2									0.071			0.071	0.00
20)	l	1254-3									0.076			0.076	0.00
21)	l	1254-4									0.052			0.052	0.00
22)	l	1254-5									0.068			0.068	0.00
23)	i	4268_1br2nb	----------ISTD----------												
24)	l	1242-1									0.016			0.016	0.00
25)	l	1242-2									0.036			0.036	0.00
26)	l	1242-3									0.071			0.071	0.00
27)	l	1242-4									0.030			0.030	0.00
28)	l	1242-5									0.022			0.022	0.00
29)	l	1268-1									0.151			0.151	0.00
30)	l	1268-2									0.157			0.157	0.00
31)	l	1268-3									0.109			0.109	0.00
32)	l	1268-4									0.043			0.043	0.00
33)	l	1268-5									0.301			0.301	0.00
34)	i	1248_1br2nb	----------ISTD----------												
35)	l	1248-1									0.051			0.051	0.00
36)	l	1248-2									0.057			0.057	0.00

Initial Calibration Summary
Form 6
PCBs

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2575576**
Project Name	**: 1000 TURK HILL RD GWS**	**Project Number**	**: 3113.0001Y000**
Instrument ID	**: PEST2**	**Ical Ref**	**: ICAL22817**
Calibration dates	**: 11/07/25 10:56 11/07/25 12:58**		

Calibration Files

L1 =P2251107i-08.D L2 =P2251107i-09.D L3 =P2251107i-10.D L4 =P2251107i-11.D L5 =P2251107i-12.D

L6 =P2251107i-13.D L7 =P2251107i-14.D L8 =P2251107i-15.D L9 =P2251107i-07.D L10 =P2251107i-17.D

L11 =P2251107i-18.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	Avg	%RSD
37) l	1248-3									0.050			0.050	0.00
38) l	1248-4									0.043			0.043	0.00
39) l	1248-5									0.047			0.047	0.00
40) i	3262_1br2nb	----------ISTD----------												
41) l	1232-1									0.024			0.024	0.00
42) l	1232-2									0.021			0.021	0.00
43) l	1232-3									0.039			0.039	0.00
44) l	1232-4									0.016			0.016	0.00
45) l	1232-5									0.012			0.012	0.00
46) l	1262-1									0.058			0.058	0.00
47) l	1262-2									0.074			0.074	0.00
48) l	1262-3									0.065			0.065	0.00
49) l	1262-4									0.130			0.130	0.00
50) l	1262-5									0.042			0.042	0.00
	*** Signal #2 ***													
1) i	1660_1br2nb	----------ISTD----------												
2) s	2,4,5,6-Tetrachloro-m-xylene	1.232	1.197	1.100	1.045	1.101	1.102	1.109	1.083	1.149	1.127	1.095	1.122	4.73
3) s	Decachlorobiphenyl		1.023	0.775	0.702	0.734	0.709	0.712	0.662	0.642	0.597	0.587	*L 0.998	
4) l	1016-1	0.025	0.023	0.021	0.020	0.020	0.020	0.020	0.018	0.018	0.017	0.016	0.020	13.22
5) l	1016-2	0.053	0.047	0.046	0.044	0.047	0.048	0.048	0.045	0.045	0.042	0.040	0.046	7.74
6) l	1016-3	0.112	0.102	0.094	0.087	0.089	0.089	0.090	0.085	0.087	0.084	0.082	0.091	9.55
7) l	1016-4	0.042	0.042	0.038	0.035	0.036	0.036	0.036	0.034	0.034	0.033	0.032	0.036	9.19
8) l	1016-5	0.038	0.033	0.030	0.027	0.028	0.028	0.028	0.027	0.026	0.025	0.024	0.029	13.91
9) l	1260-1	0.061	0.052	0.054	0.053	0.052	0.057	0.054	0.052	0.050	0.050	0.049	0.053	6.46
10) l	1260-2	0.074	0.065	0.063	0.063	0.062	0.063	0.060	0.058	0.054	0.056	0.055	0.061	9.42
11) l	1260-3	0.058	0.052	0.049	0.044	0.044	0.044	0.043	0.041	0.040	0.037	0.035	0.044	14.94
12) l	1260-4	0.098	0.091	0.087	0.079	0.081	0.079	0.079	0.075	0.075	0.072	0.069	0.080	10.47
13) l	1260-5	0.074	0.061	0.061	0.059	0.060	0.059	0.059	0.057	0.055	0.052	0.050	0.059	10.43
14) i	2154_1br2nb	----------ISTD----------												
15) l	1221-1									0.010			0.010	0.00
16) l	1221-2									0.006			0.006	0.00
17) l	1221-3									0.024			0.024	0.00
18) l	1254-1									0.018			0.018	0.00
19) l	1254-2									0.044			0.044	0.00
20) l	1254-3									0.064			0.064	0.00
21) l	1254-4									0.041			0.041	0.00

Initial Calibration Summary
Form 6
PCBs

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2575576**
Project Name	**: 1000 TURK HILL RD GWS**	**Project Number**	**: 3113.0001Y000**
Instrument ID	**: PEST2**	**Ical Ref**	**: ICAL22817**
Calibration dates	**: 11/07/25 10:56 11/07/25 12:58**		

Calibration Files

L1 =P2251107i-08.D L2 =P2251107i-09.D L3 =P2251107i-10.D L4 =P2251107i-11.D L5 =P2251107i-12.D
L6 =P2251107i-13.D L7 =P2251107i-14.D L8 =P2251107i-15.D L9 =P2251107i-07.D L10 =P2251107i-17.D
L11 =P2251107i-18.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	Avg	%RSD
22) l	1254-5									0.048			0.048	0.00
23) i	4268_1br2nb	----------ISTD----------												
24) l	1242-1									0.014			0.014	0.00
25) l	1242-2									0.032			0.032	0.00
26) l	1242-3									0.060			0.060	0.00
27) l	1242-4									0.024			0.024	0.00
28) l	1242-5									0.019			0.019	0.00
29) l	1268-1									0.098			0.098	0.00
30) l	1268-2									0.101			0.101	0.00
31) l	1268-3									0.066			0.066	0.00
32) l	1268-4									0.030			0.030	0.00
33) l	1268-5									0.182			0.182	0.00
34) i	1248_1br2nb	----------ISTD----------												
35) l	1248-1									0.045			0.045	0.00
36) l	1248-2									0.024			0.024	0.00
37) l	1248-3									0.031			0.031	0.00
38) l	1248-4									0.036			0.036	0.00
39) l	1248-5									0.043			0.043	0.00
40) i	3262_1br2nb	----------ISTD----------												
41) l	1232-1									0.021			0.021	0.00
42) l	1232-2									0.017			0.017	0.00
43) l	1232-3									0.034			0.034	0.00
44) l	1232-4									0.013			0.013	0.00
45) l	1232-5									0.010			0.010	0.00
46) l	1262-1									0.036			0.036	0.00
47) l	1262-2									0.050			0.050	0.00
48) l	1262-3									0.046			0.046	0.00
49) l	1262-4									0.084			0.084	0.00
50) l	1262-5									0.030			0.030	0.00

Response Factor Report Pest 2

Method Path : I:\PCB\Pest2\2025\251107I\
Method File : P2_PCB_11_07_25_iRVT_ICAL.m
Title : pcb
Last Update : Thu Nov 13 17:31:47 2025
Response Via : Initial Calibration

Calibration Files
L1 =P2251107i-08.D L2 =P2251107i-09.D L3 =P2251107i-10.D L4 =P2251107i-11.D L5 =P2251107i-12.D
L6 =P2251107i-13.D L7 =P2251107i-14.D L8 =P2251107i-15.D L9 =P2251107i-07.D L10 =P2251107i-17.D
L11 =P2251107i-18.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	Avg	%RSD
1)	i	1660_1br2nb	----------ISTD----------												
2)	s	2,4,5,6-Tetrachloro-m-xylene	1.301	1.246	1.164	1.146	1.224	1.239	1.241	1.238	1.366	1.314	1.276	1.250	5.06
3)	s	Decachlorobiphenyl		1.360	1.003	0.952	1.031	1.033	1.018	0.981	1.064	1.007	0.956	1.040	11.28
4)	l	1016-1	0.022	0.022	0.021	0.020	0.021	0.021	0.021	0.020	0.021	0.020	0.019	0.021	4.96
5)	l	1016-2	0.058	0.057	0.052	0.051	0.051	0.052	0.053	0.050	0.051	0.049	0.046	0.052	6.47
6)	l	1016-3	0.105	0.100	0.095	0.090	0.097	0.097	0.097	0.096	0.105	0.100	0.098	0.098	4.29
7)	l	1016-4	0.044	0.041	0.039	0.039	0.042	0.042	0.043	0.041	0.043	0.042	0.040	0.041	3.85
8)	l	1016-5	0.054	0.047	0.042	0.040	0.042	0.039	0.041	0.041	0.043	0.041	0.040	0.043	10.20
9)	l	1260-1	0.066	0.064	0.058	0.056	0.060	0.061	0.061	0.060	0.063	0.061	0.058	0.061	4.63
10)	l	1260-2	0.101	0.098	0.089	0.089	0.094	0.096	0.096	0.094	0.100	0.095	0.092	0.095	4.25
11)	l	1260-3	0.048	0.044	0.046	0.042	0.048	0.048	0.048	0.048	0.052	0.050	0.049	0.048	5.71
12)	l	1260-4	0.100	0.099	0.096	0.096	0.100	0.104	0.104	0.103	0.113	0.110	0.108	0.103	5.52
13)	l	1260-5	0.087	0.081	0.077	0.073	0.078	0.080	0.079	0.077	0.085	0.082	0.079	0.080	4.82
14)	i	2154_1br2nb	----------ISTD----------												
15)	l	1221-1									0.011			0.011	0.00
16)	l	1221-2									0.007			0.007	0.00
17)	l	1221-3									0.028			0.028	0.00
18)	l	1254-1									0.039			0.039	0.00
19)	l	1254-2									0.071			0.071	0.00
20)	l	1254-3									0.076			0.076	0.00
21)	l	1254-4									0.052			0.052	0.00
22)	l	1254-5									0.068			0.068	0.00
23)	i	4268_1br2nb	----------ISTD----------												
24)	l	1242-1									0.016			0.016	0.00
25)	l	1242-2									0.036			0.036	0.00
26)	l	1242-3									0.071			0.071	0.00
27)	l	1242-4									0.030			0.030	0.00
28)	l	1242-5									0.022			0.022	0.00
29)	l	1268-1									0.151			0.151	0.00
30)	l	1268-2									0.157			0.157	0.00
31)	l	1268-3									0.109			0.109	0.00
32)	l	1268-4									0.043			0.043	0.00
33)	l	1268-5									0.301			0.301	0.00
34)	i	1248_1br2nb	----------ISTD----------												
35)	l	1248-1									0.051			0.051	0.00
36)	l	1248-2									0.057			0.057	0.00
37)	l	1248-3									0.050			0.050	0.00
38)	l	1248-4									0.043			0.043	0.00
39)	l	1248-5									0.047			0.047	0.00
40)	i	3262_1br2nb	----------ISTD----------												
41)	l	1232-1									0.024			0.024	0.00
42)	l	1232-2									0.021			0.021	0.00
43)	l	1232-3									0.039			0.039	0.00
44)	l	1232-4									0.016			0.016	0.00
45)	l	1232-5									0.012			0.012	0.00

Response Factor Report Pest 2

Method Path : I:\PCB\Pest2\2025\251107I\
Method File : P2_PCB_11_07_25_iRVT_ICAL.m
Title : pcb
Last Update : Thu Nov 13 17:31:47 2025
Response Via : Initial Calibration

Calibration Files
L1 =P2251107i-08.D L2 =P2251107i-09.D L3 =P2251107i-10.D L4 =P2251107i-11.D L5 =P2251107i-12.D
L6 =P2251107i-13.D L7 =P2251107i-14.D L8 =P2251107i-15.D L9 =P2251107i-07.D L10 =P2251107i-17.D
L11 =P2251107i-18.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	Avg	%RSD
46)	l	1262-1									0.058			0.058	0.00
47)	l	1262-2									0.074			0.074	0.00
48)	l	1262-3									0.065			0.065	0.00
49)	l	1262-4									0.130			0.130	0.00
50)	l	1262-5									0.042			0.042	0.00
		*** Signal #2 ***													
1)	i	1660_1br2nb	----------			ISTD	----------								
2)	s	2,4,5,6-Tetrachloro-m-xylene	1.232	1.197	1.100	1.045	1.101	1.102	1.109	1.083	1.149	1.127	1.095	1.122	4.73
3)	s	Decachlorobiphenyl		1.023	0.775	0.702	0.734	0.709	0.712	0.662	0.642	0.597	0.587	*L	0.998
4)	l	1016-1	0.025	0.023	0.021	0.020	0.020	0.020	0.020	0.018	0.018	0.017	0.016	0.020	13.22
5)	l	1016-2	0.053	0.047	0.046	0.044	0.047	0.048	0.048	0.045	0.045	0.042	0.040	0.046	7.74
6)	l	1016-3	0.112	0.102	0.094	0.087	0.089	0.089	0.090	0.085	0.087	0.084	0.082	0.091	9.55
7)	l	1016-4	0.042	0.042	0.038	0.035	0.036	0.036	0.036	0.034	0.034	0.033	0.032	0.036	9.19
8)	l	1016-5	0.038	0.033	0.030	0.027	0.028	0.028	0.028	0.027	0.026	0.025	0.024	0.029	13.91
9)	l	1260-1	0.061	0.052	0.054	0.053	0.052	0.057	0.054	0.052	0.050	0.050	0.049	0.053	6.46
10)	l	1260-2	0.074	0.065	0.063	0.063	0.062	0.063	0.060	0.058	0.054	0.056	0.055	0.061	9.42
11)	l	1260-3	0.058	0.052	0.049	0.044	0.044	0.044	0.043	0.041	0.040	0.037	0.035	0.044	14.94
12)	l	1260-4	0.098	0.091	0.087	0.079	0.081	0.079	0.079	0.075	0.075	0.072	0.069	0.080	10.47
13)	l	1260-5	0.074	0.061	0.061	0.059	0.060	0.059	0.059	0.057	0.055	0.052	0.050	0.059	10.43
14)	i	2154_1br2nb	----------			ISTD	----------								
15)	l	1221-1									0.010			0.010	0.00
16)	l	1221-2									0.006			0.006	0.00
17)	l	1221-3									0.024			0.024	0.00
18)	l	1254-1									0.018			0.018	0.00
19)	l	1254-2									0.044			0.044	0.00
20)	l	1254-3									0.064			0.064	0.00
21)	l	1254-4									0.041			0.041	0.00
22)	l	1254-5									0.048			0.048	0.00
23)	i	4268_1br2nb	----------			ISTD	----------								
24)	l	1242-1									0.014			0.014	0.00
25)	l	1242-2									0.032			0.032	0.00
26)	l	1242-3									0.060			0.060	0.00
27)	l	1242-4									0.024			0.024	0.00
28)	l	1242-5									0.019			0.019	0.00
29)	l	1268-1									0.098			0.098	0.00
30)	l	1268-2									0.101			0.101	0.00
31)	l	1268-3									0.066			0.066	0.00
32)	l	1268-4									0.030			0.030	0.00
33)	l	1268-5									0.182			0.182	0.00
34)	i	1248_1br2nb	----------			ISTD	----------								
35)	l	1248-1									0.045			0.045	0.00
36)	l	1248-2									0.024			0.024	0.00
37)	l	1248-3									0.031			0.031	0.00
38)	l	1248-4									0.036			0.036	0.00
39)	l	1248-5									0.043			0.043	0.00

Response Factor Report Pest 2

Method Path : I:\PCB\Pest2\2025\251107I\
Method File : P2_PCB_11_07_25_iRVT_ICAL.m
Title : pcb
Last Update : Thu Nov 13 17:31:47 2025
Response Via : Initial Calibration

Calibration Files
L1 =P2251107i-08.D L2 =P2251107i-09.D L3 =P2251107i-10.D L4 =P2251107i-11.D L5 =P2251107i-12.D
L6 =P2251107i-13.D L7 =P2251107i-14.D L8 =P2251107i-15.D L9 =P2251107i-07.D L10 =P2251107i-17.D
L11 =P2251107i-18.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	Avg	%RSD
40) i	3262_1br2nb	----------ISTD----------												
41) l	1232-1									0.021			0.021	0.00
42) l	1232-2									0.017			0.017	0.00
43) l	1232-3									0.034			0.034	0.00
44) l	1232-4									0.013			0.013	0.00
45) l	1232-5									0.010			0.010	0.00
46) l	1262-1									0.036			0.036	0.00
47) l	1262-2									0.050			0.050	0.00
48) l	1262-3									0.046			0.046	0.00
49) l	1262-4									0.084			0.084	0.00
50) l	1262-5									0.030			0.030	0.00

(#) = Out of Range ### Number of calibration levels exceed

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 10:56
Operator : pest2:sdc
Sample : il94268,42e,,pp 12224 L250RVT
Misc : WG2141877,,
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:06:30 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:06:06 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	1.170	1.224	349.7E6	581.0E6	25.000M3	25.000M3
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 10:56
Operator : pest2:sdc
Sample : il94268,42e,,pp 12224 L250RVT
Misc : WG2141877,,
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:06:30 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:06:06 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	1.586	1.782	55138496	79269711	NoCal	NoCal
25) l6	1242-2	1.725	1.950	126.5E6	184.9E6	NoCal M3	NoCal
26) l6	1242-3	1.912	2.146	247.3E6	349.5E6	NoCal	NoCal
27) l6	1242-4	1.966	2.206	104.8E6	138.3E6	NoCal M1	NoCal
28) l6	1242-5	2.316	2.587	75941565	107.5E6	NoCal	NoCal
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	3.435	3.827	526.6E6	566.9E6	NoCal	NoCal
30) l9	1268-2	3.456	3.853	548.2E6	587.8E6	NoCal	NoCal
31) l9	1268-3	3.559	3.992	381.0E6	385.5E6	NoCal	NoCal M3
32) l9	1268-4	3.745	4.145	151.7E6	172.1E6	NoCal	NoCal M3
33) l9	1268-5	3.899	4.329	1053.5E6	1056.1E6	NoCal	NoCal M3
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 10:56
Operator : pest2:sdc
Sample : il94268,42e,,pp 12224 L250RVT
Misc : WG2141877,,
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:06:30 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:06:06 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35)	l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41)	l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46)	l8 1262-1	0.000	0.000	0	0	N.D.	N.D.
47)	l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 10:56
Operator : pest2:sdc
Sample : il94268,42e,,pp 12224 L250RVT
Misc : WG2141877,,
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:06:30 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:06:06 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

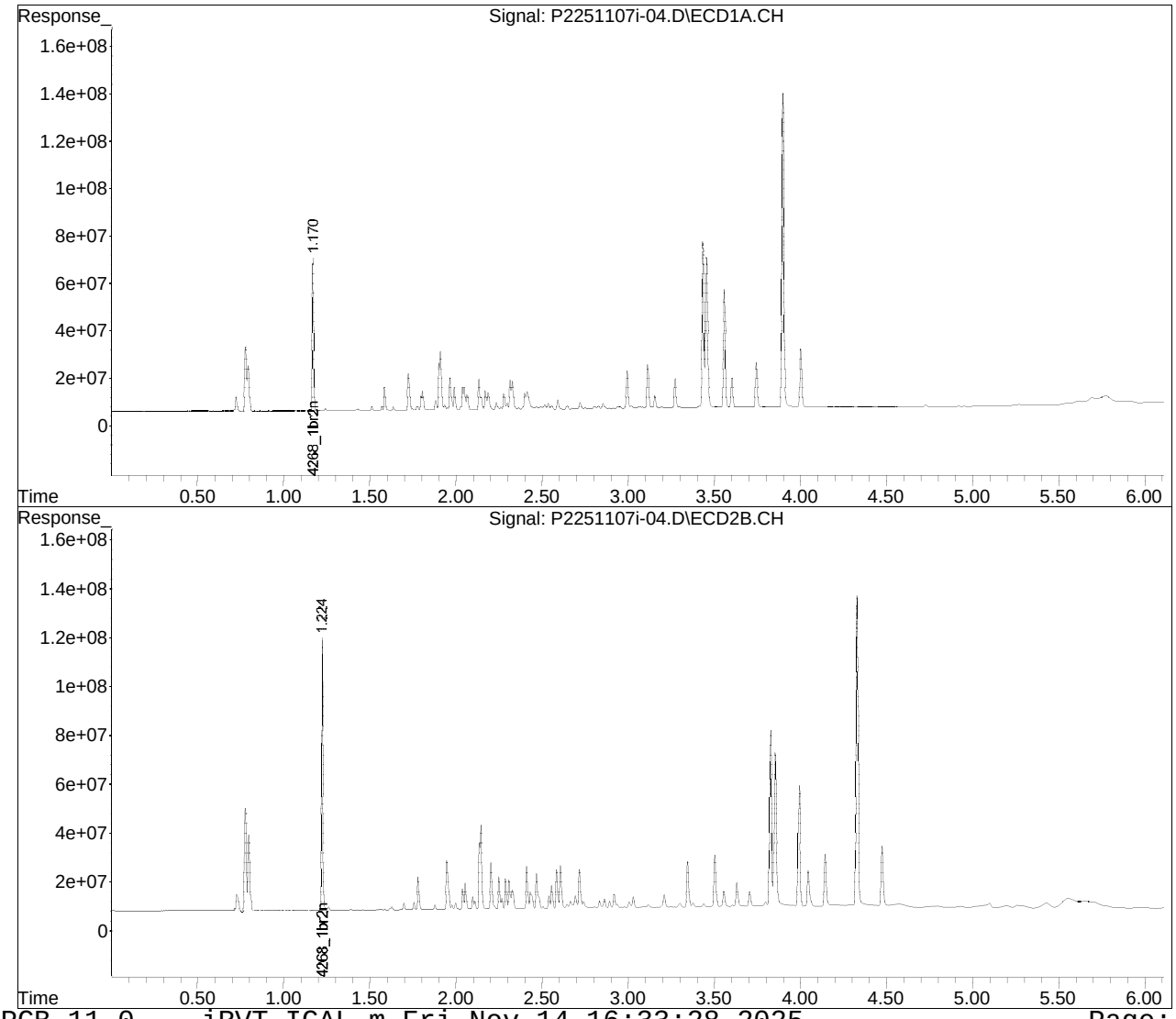
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 10:56
Operator : pest2:sdc
Sample : il94268,42e,,pp 12224 L250RVT
Misc : WG2141877,,
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:06:30 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:06:06 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

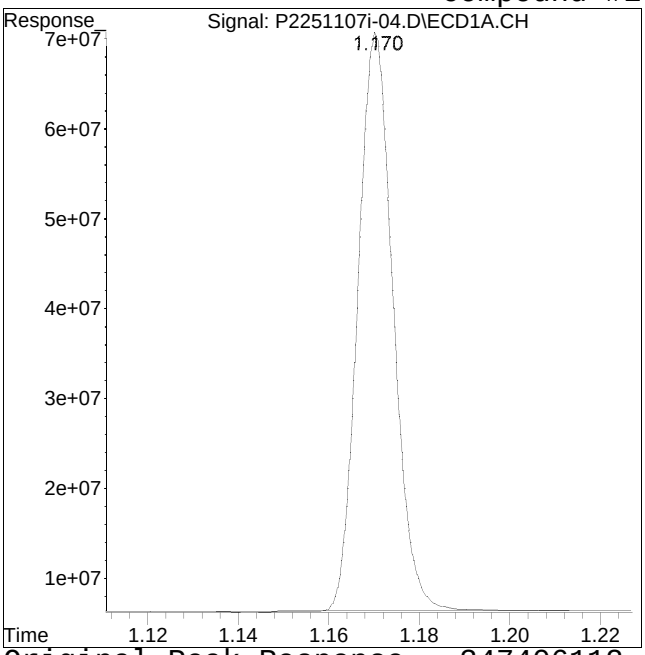
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

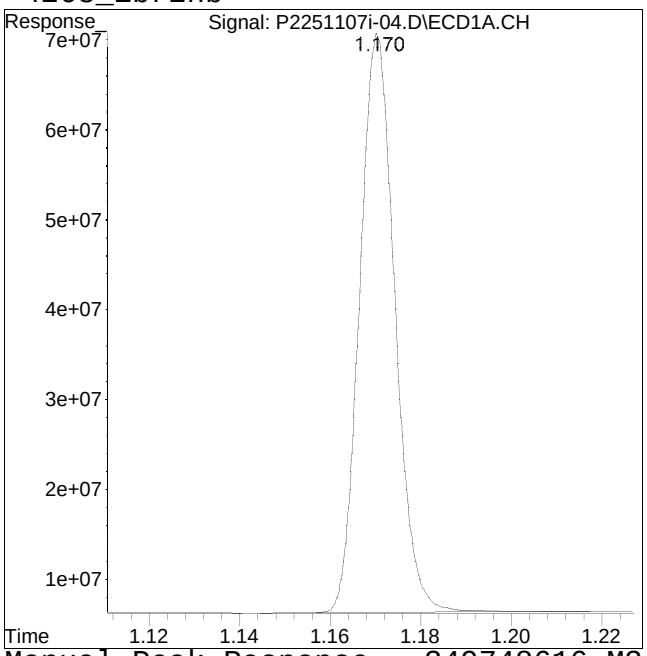


Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-04.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 10:56 Instrument : Pest 2
Sample : il94268,42e,,pp 12224 L250Quant Date : 11/13/2025 5:06 pm

Compound #23: 4268_1br2nb



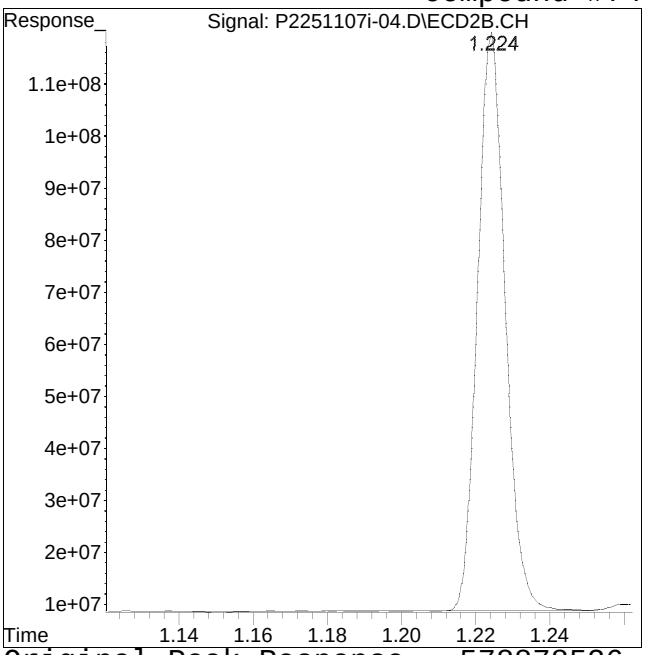


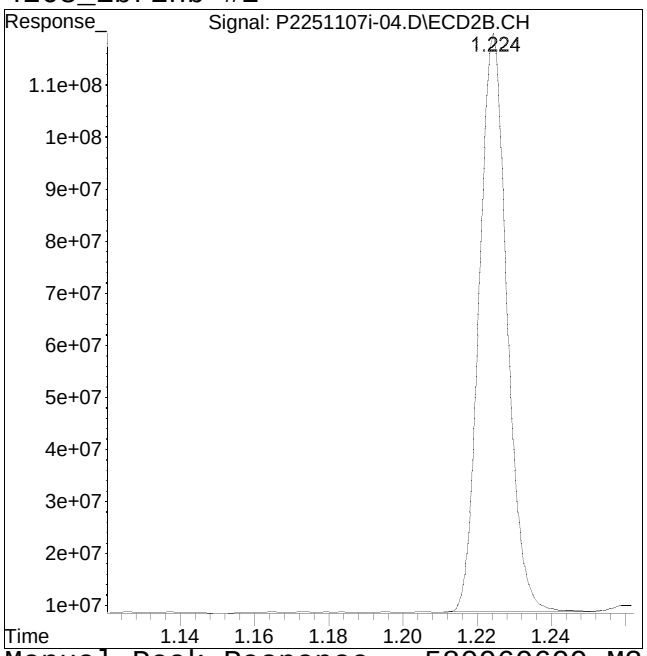
Original Peak Response = 347406112 Manual Peak Response = 349748616 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-04.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 10:56 Instrument : Pest 2
Sample : il94268,42e,,pp 12224 L250Quant Date : 11/13/2025 5:06 pm

Compound #74: 4268_1br2nb #2



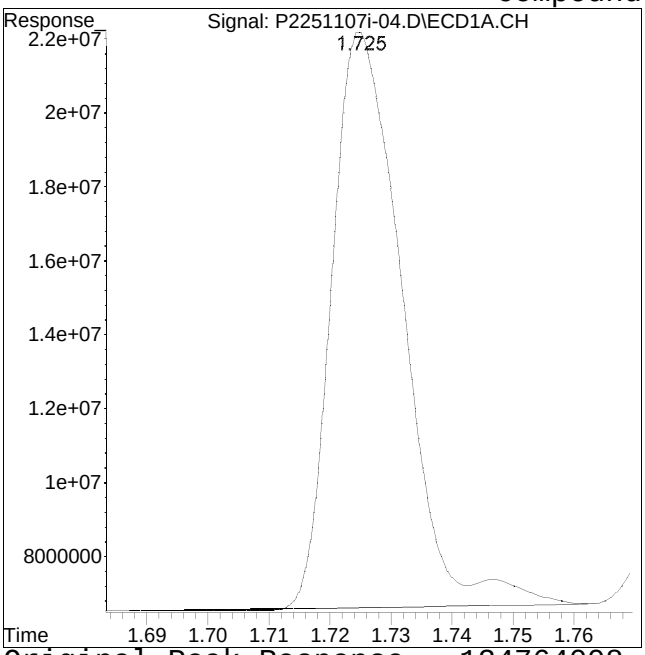


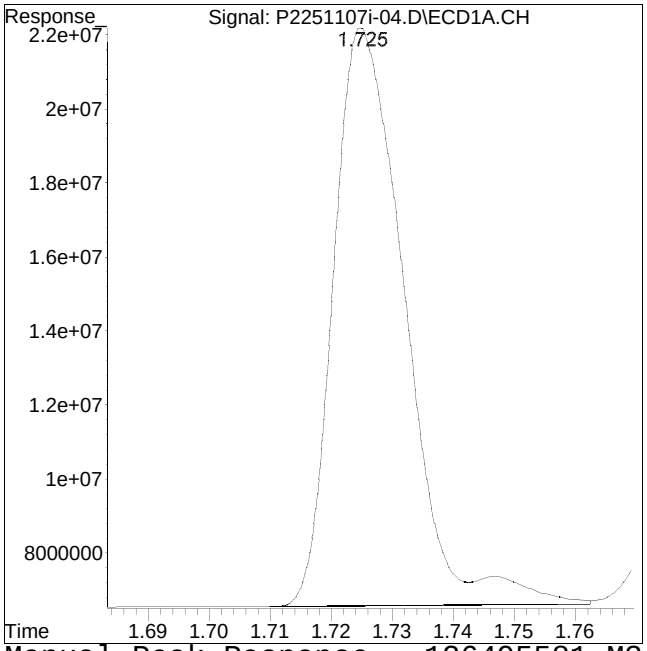
Original Peak Response = 578878526 Manual Peak Response = 580960699 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-04.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 10:56 Instrument : Pest 2
Sample : il94268,42e,,pp 12224 L250Quant Date : 11/13/2025 5:06 pm

Compound #25: 1242-2



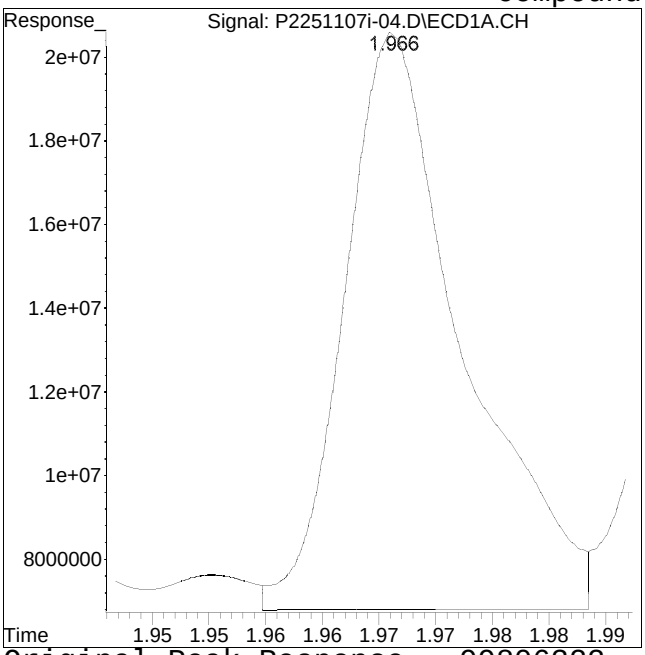


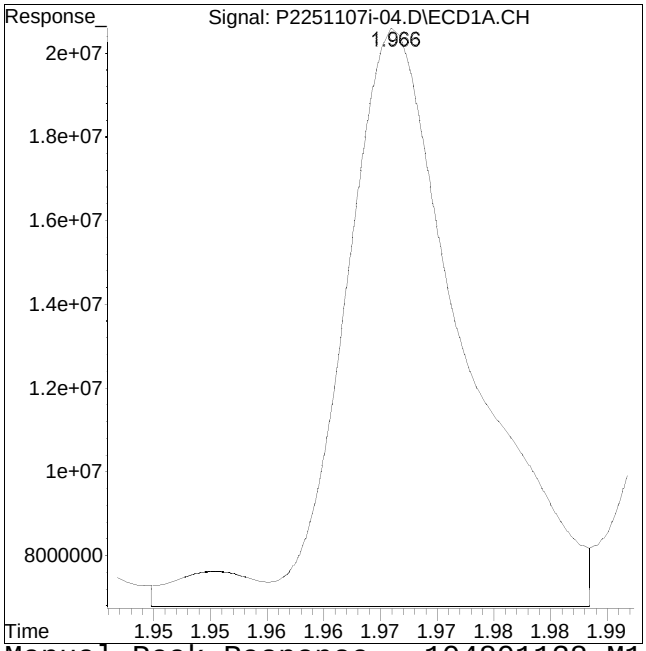
Original Peak Response = 124764008 Manual Peak Response = 126495581 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-04.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 10:56 Instrument : Pest 2
Sample : il94268,42e,,pp 12224 L250Quant Date : 11/13/2025 5:06 pm

Compound #27: 1242-4



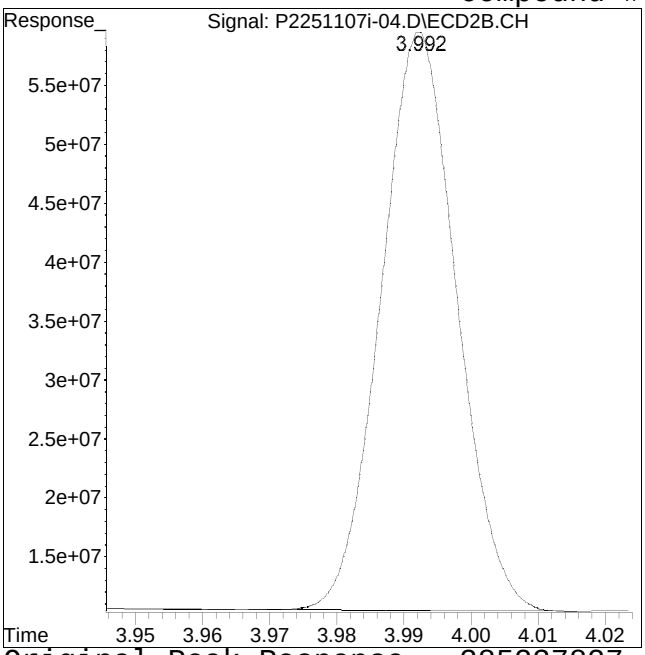


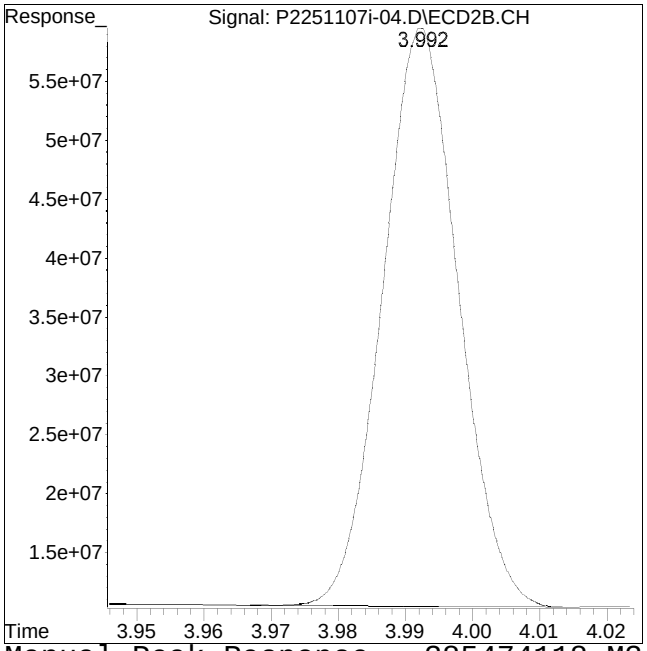
Original Peak Response = 99806322 Manual Peak Response = 104801138 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-04.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 10:56 Instrument : Pest 2
Sample : il94268,42e,,pp 12224 L250Quant Date : 11/13/2025 5:06 pm

Compound #82: 1268-3 #2



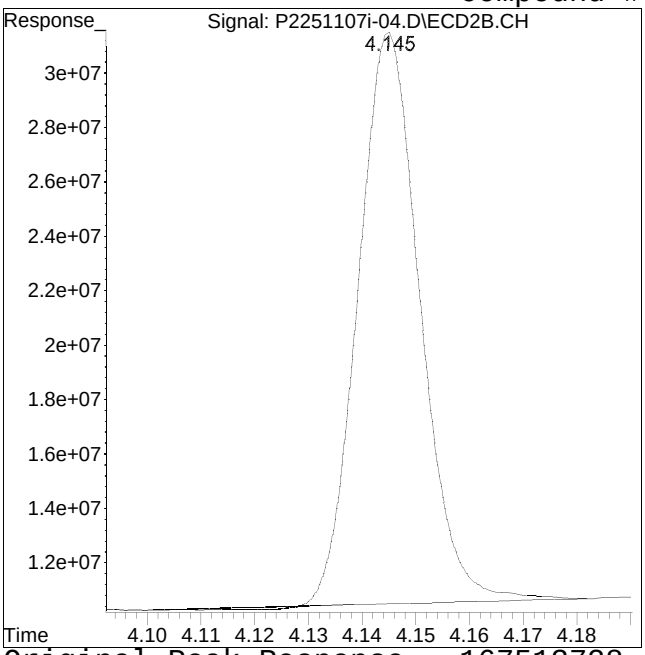


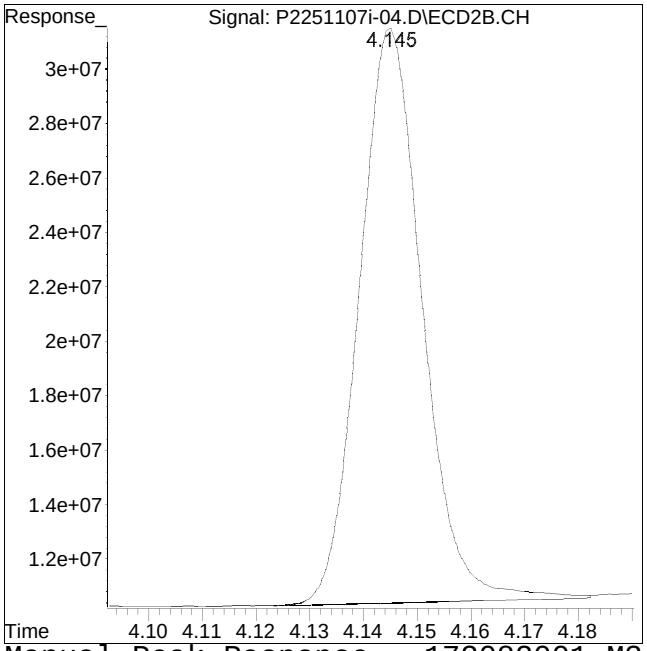
Original Peak Response = 385237827 Manual Peak Response = 385474118 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-04.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 10:56 Instrument : Pest 2
Sample : il94268,42e,,pp 12224 L250Quant Date : 11/13/2025 5:06 pm

Compound #83: 1268-4 #2



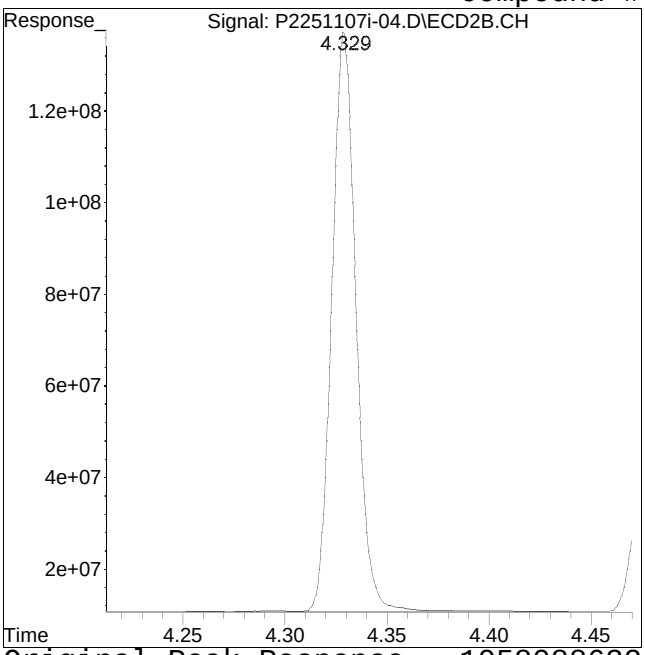


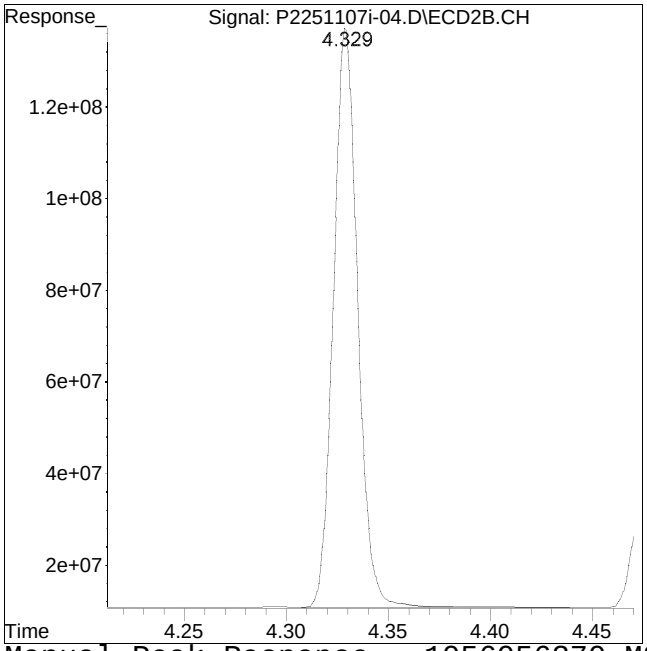
Original Peak Response = 167513728 Manual Peak Response = 172082001 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-04.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 10:56 Instrument : Pest 2
Sample : il94268,42e,,pp 12224 L250Quant Date : 11/13/2025 5:06 pm

Compound #84: 1268-5 #2





Original Peak Response = 1058088632 Manual Peak Response = 1056056370 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:05
Operator : pest2:sdc
Sample : il93262,42e,,pp 12225 L250RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:16:30 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:16:12 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	1.171	1.225	359.4E6	599.1E6	25.000M3	25.000M3
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:05
Operator : pest2:sdc
Sample : il93262,42e,,pp 12225 L250RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:16:30 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:16:12 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:05
Operator : pest2:sdc
Sample : il93262,42e,,pp 12225 L250RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:16:30 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:16:12 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	1.587	1.783	86153612	123.2E6	NoCal	NoCal
42) l5	1232-2	1.725	1.951	75414398	104.4E6	NoCal M3	NoCal
43) l5	1232-3	1.913	2.147	140.8E6	202.5E6	NoCal	NoCal
44) l5	1232-4	1.966	2.207	58076159	80733191	NoCal M1	NoCal
45) l5	1232-5	2.316	2.586	41840879	62182682	NoCal	NoCal M3
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	2.803	3.116	206.9E6	218.4E6	NoCal	NoCal
47) l8	1262-2	2.994	3.347	265.7E6	300.3E6	NoCal	NoCal
48) l8	1262-3	3.117	3.504	233.5E6	275.6E6	NoCal	NoCal
49) l8	1262-4	3.272	3.633	467.6E6	504.6E6	NoCal	NoCal
50) l8	1262-5	3.744	4.146	151.2E6	182.1E6	NoCal M3	NoCal
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

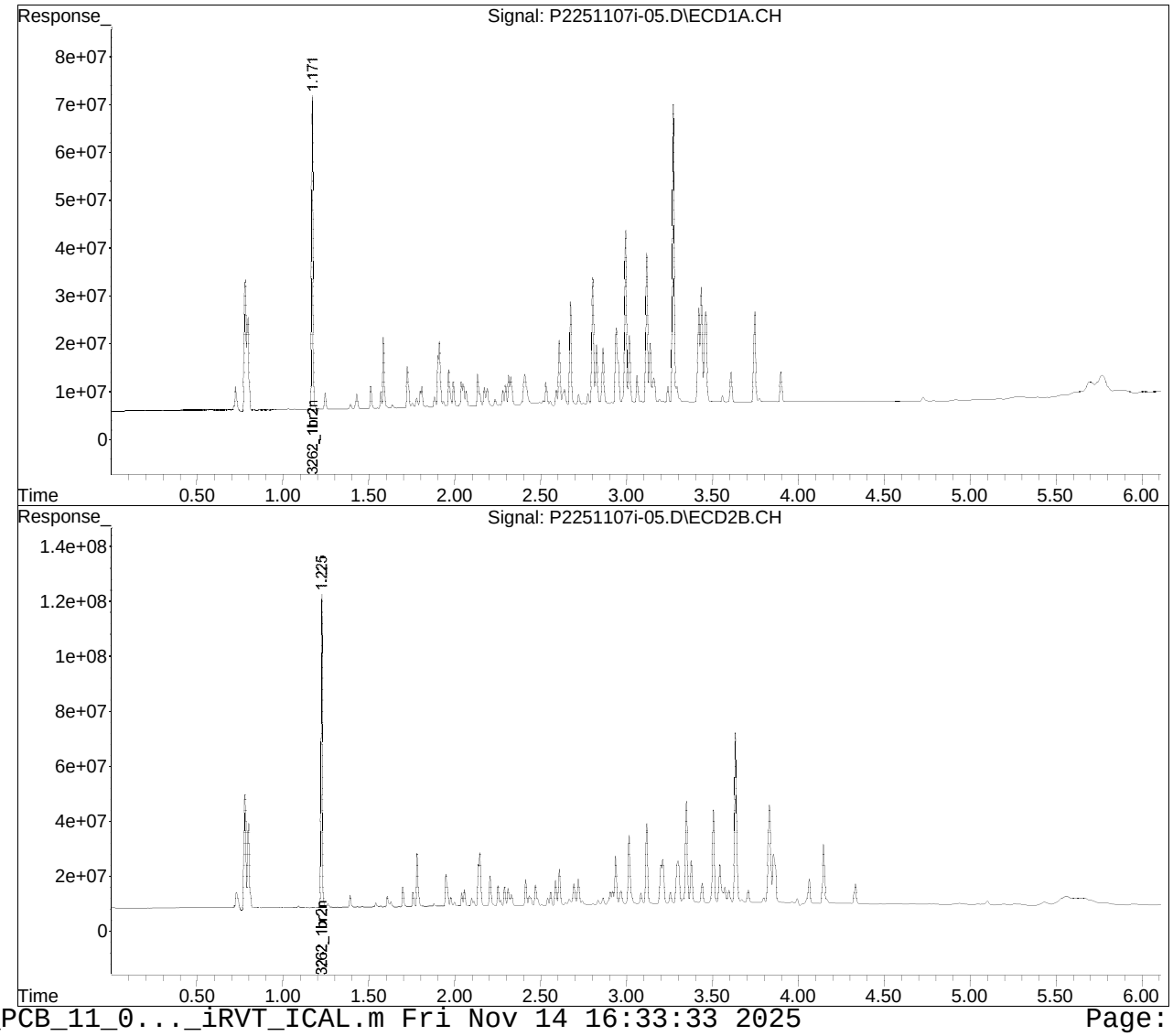
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:05
Operator : pest2:sdc
Sample : il93262,42e,,pp 12225 L250RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:16:30 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:16:12 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

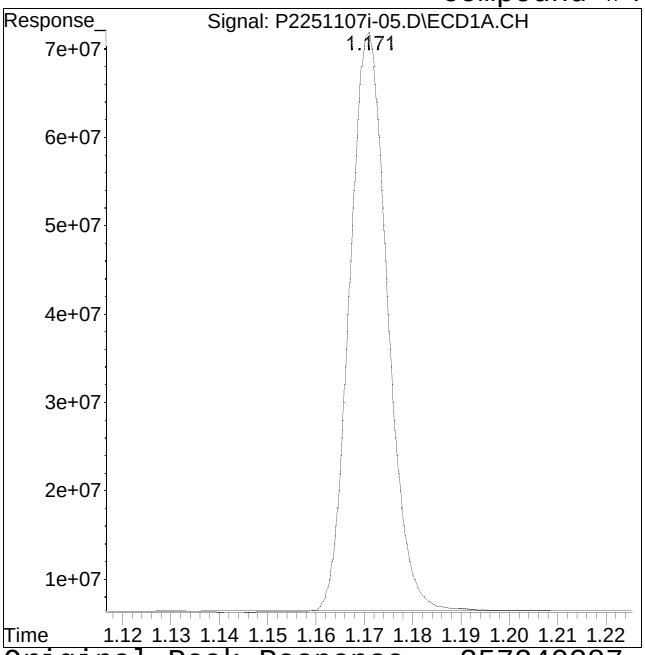
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

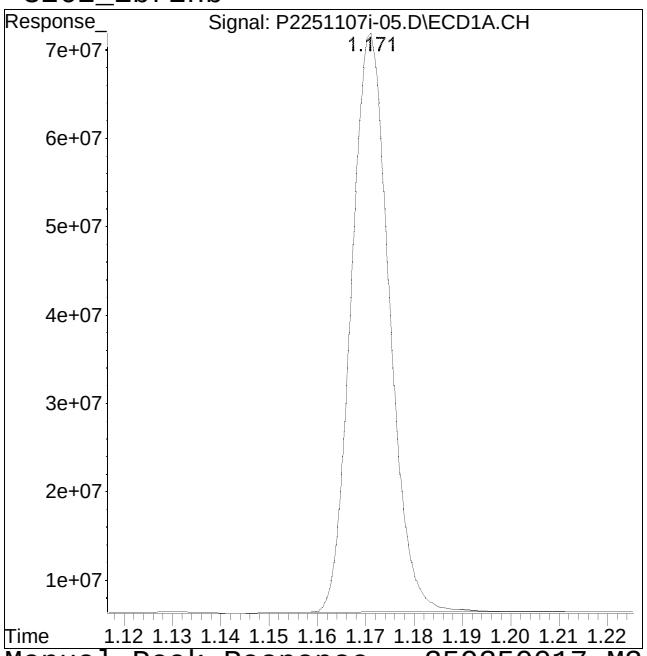


Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-05.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:05 Instrument : Pest 2
Sample : il93262,42e,,pp 12225 L250Quant Date : 11/13/2025 5:16 pm

Compound #40: 3262_1br2nb



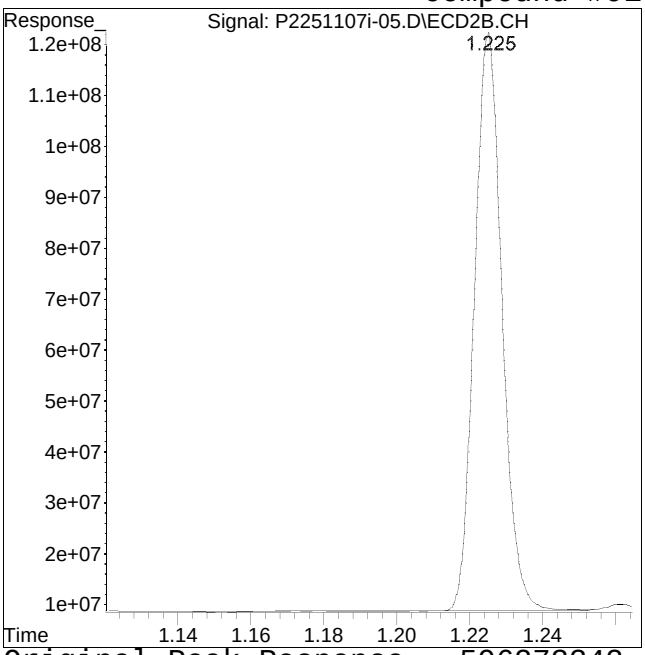


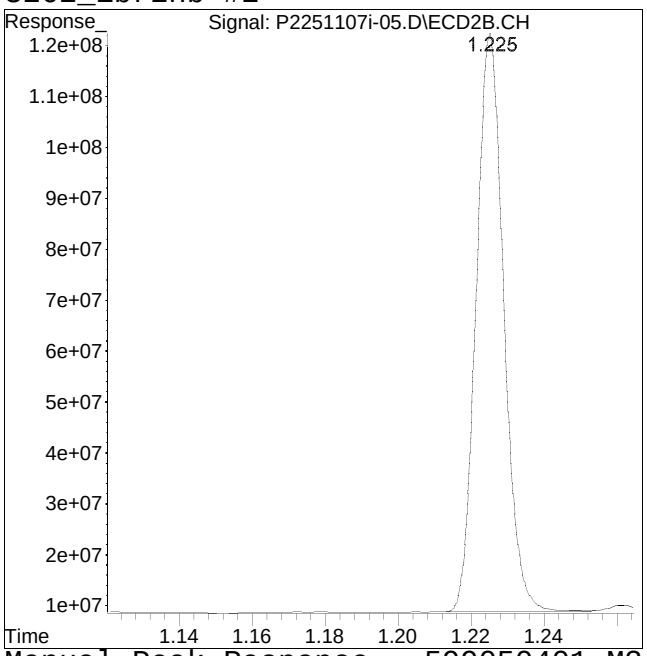
Original Peak Response = 357240387 Manual Peak Response = 359350017 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-05.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:05 Instrument : Pest 2
Sample : il93262,42e,,pp 12225 L250Quant Date : 11/13/2025 5:16 pm

Compound #91: 3262_1br2nb #2



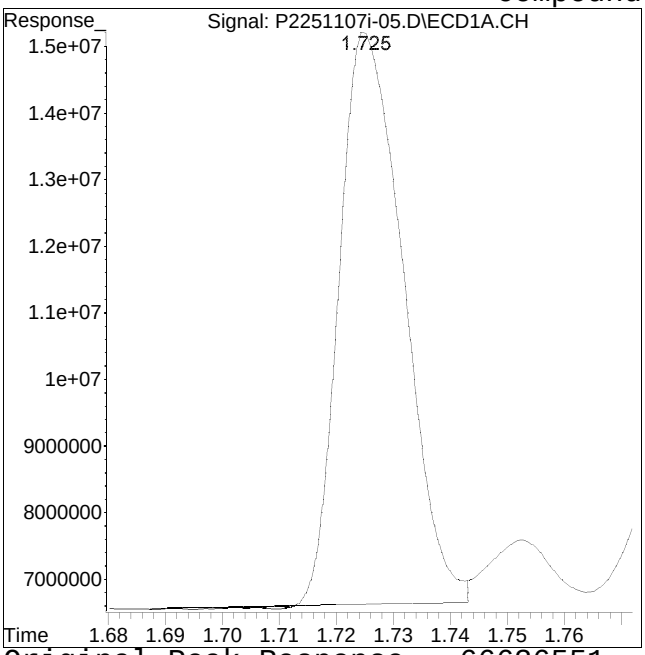


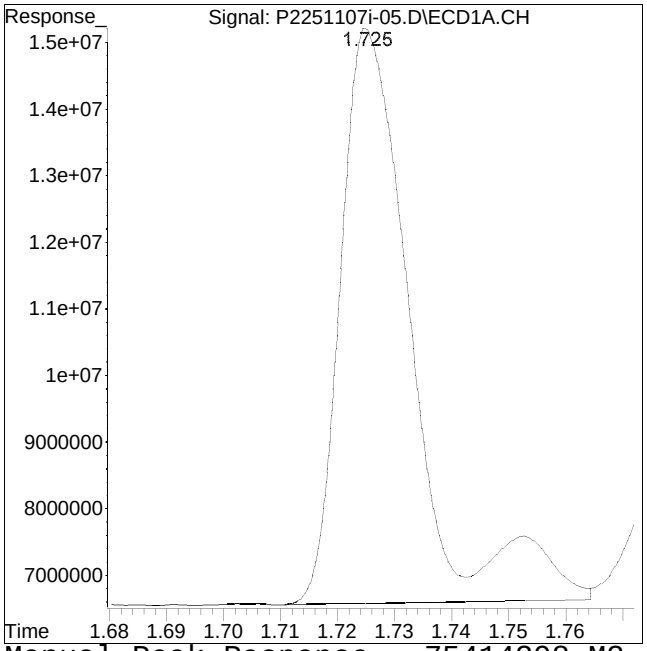
Original Peak Response = 596273342 Manual Peak Response = 599050401 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-05.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:05 Instrument : Pest 2
Sample : il93262,42e,,pp 12225 L250Quant Date : 11/13/2025 5:16 pm

Compound #42: 1232-2



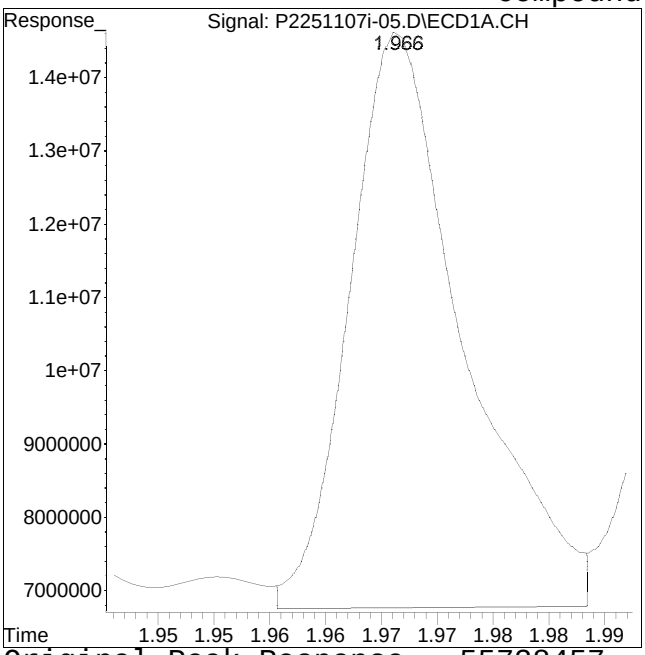


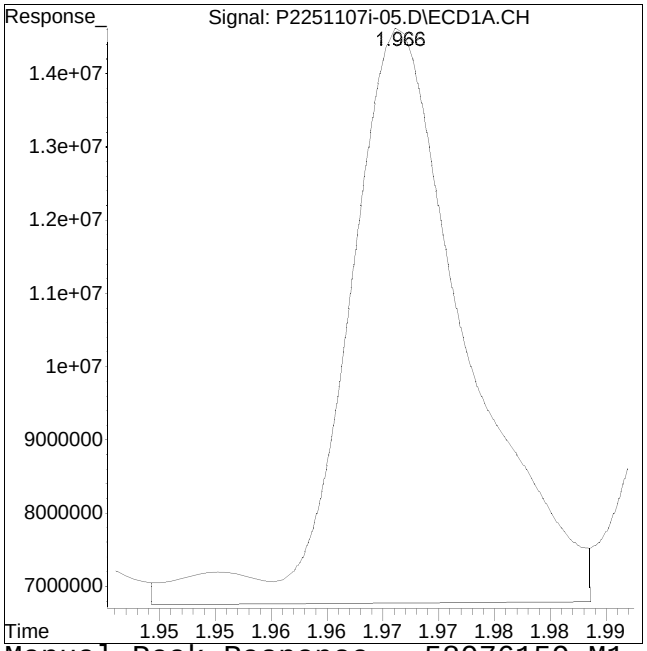
Original Peak Response = 66636551 Manual Peak Response = 75414398 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-05.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:05 Instrument : Pest 2
Sample : il93262,42e,,pp 12225 L250Quant Date : 11/13/2025 5:16 pm

Compound #44: 1232-4



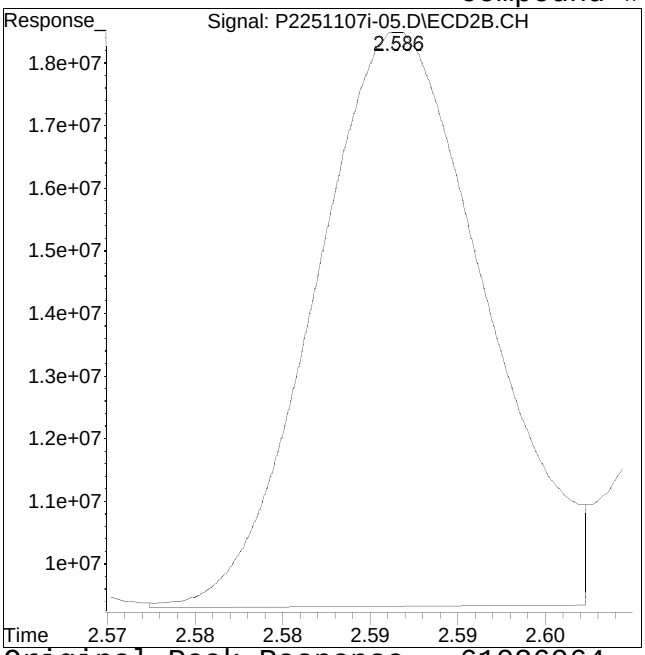


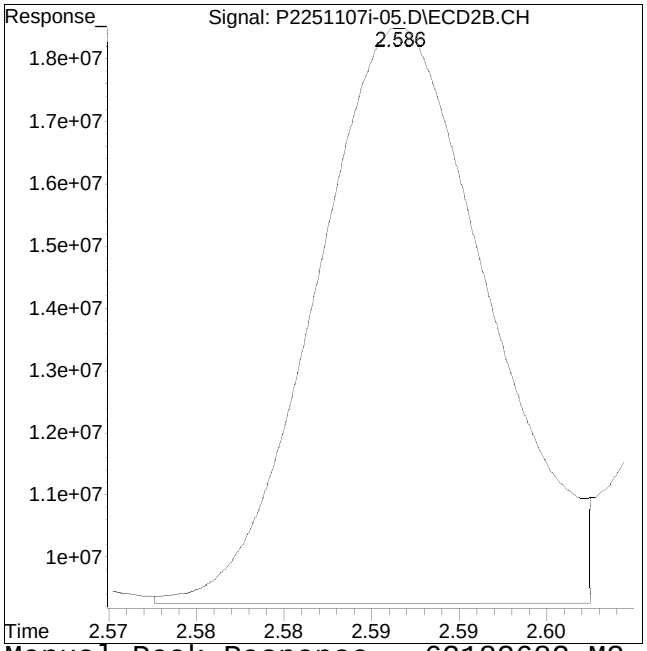
Original Peak Response = 55738457 Manual Peak Response = 58076159 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-05.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:05 Instrument : Pest 2
Sample : il93262,42e,,pp 12225 L250Quant Date : 11/13/2025 5:16 pm

Compound #96: 1232-5 #2



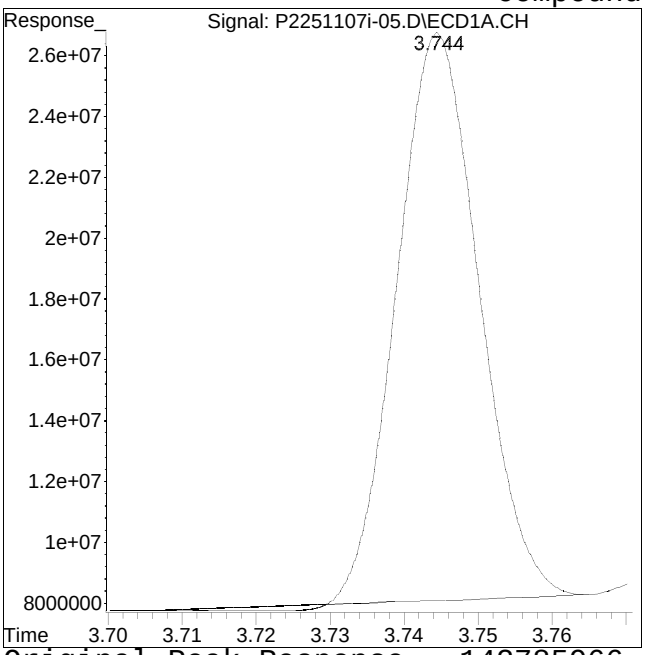


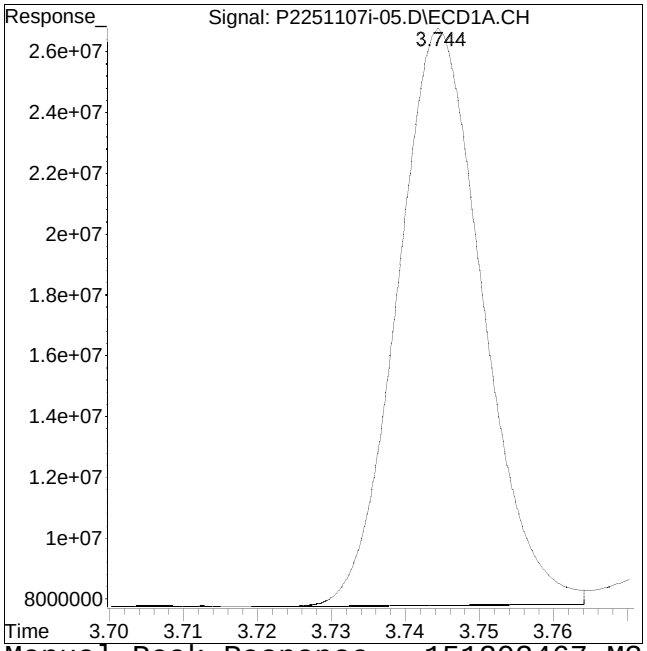
Original Peak Response = 61026964 Manual Peak Response = 62182682 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-05.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:05 Instrument : Pest 2
Sample : il93262,42e,,pp 12225 L250Quant Date : 11/13/2025 5:16 pm

Compound #50: 1262-5





Original Peak Response = 142785966 Manual Peak Response = 151203467 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:14
Operator : pest2:sdc
Sample : il91248,42e,,pp 12221 L250RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:23:18 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:22:58 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	1.171	1.225	325.8E6	548.6E6	25.000M3	25.000M3
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2	1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2	1260-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D.	N.D.
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:14
Operator : pest2:sdc
Sample : il91248,42e,,pp 12221 L250RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:23:18 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:22:58 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9	1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9	1268-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	1.913	2.146	166.7E6	244.7E6	NoCal	NoCal
36) l7	1248-2	2.040	2.291	184.7E6	133.9E6	NoCal M1	NoCal
37) l7	1248-3	2.135	2.414	163.1E6	172.0E6	NoCal	NoCal
38) l7	1248-4	2.317	2.588	141.1E6	196.8E6	NoCal	NoCal

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:14
Operator : pest2:sdc
Sample : il91248,42e,,pp 12221 L250RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:23:18 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:22:58 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
39) l7 1248-5	2.329	2.610	152.6E6	237.9E6	NoCal	NoCal
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D.	N.D.
48) l8 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

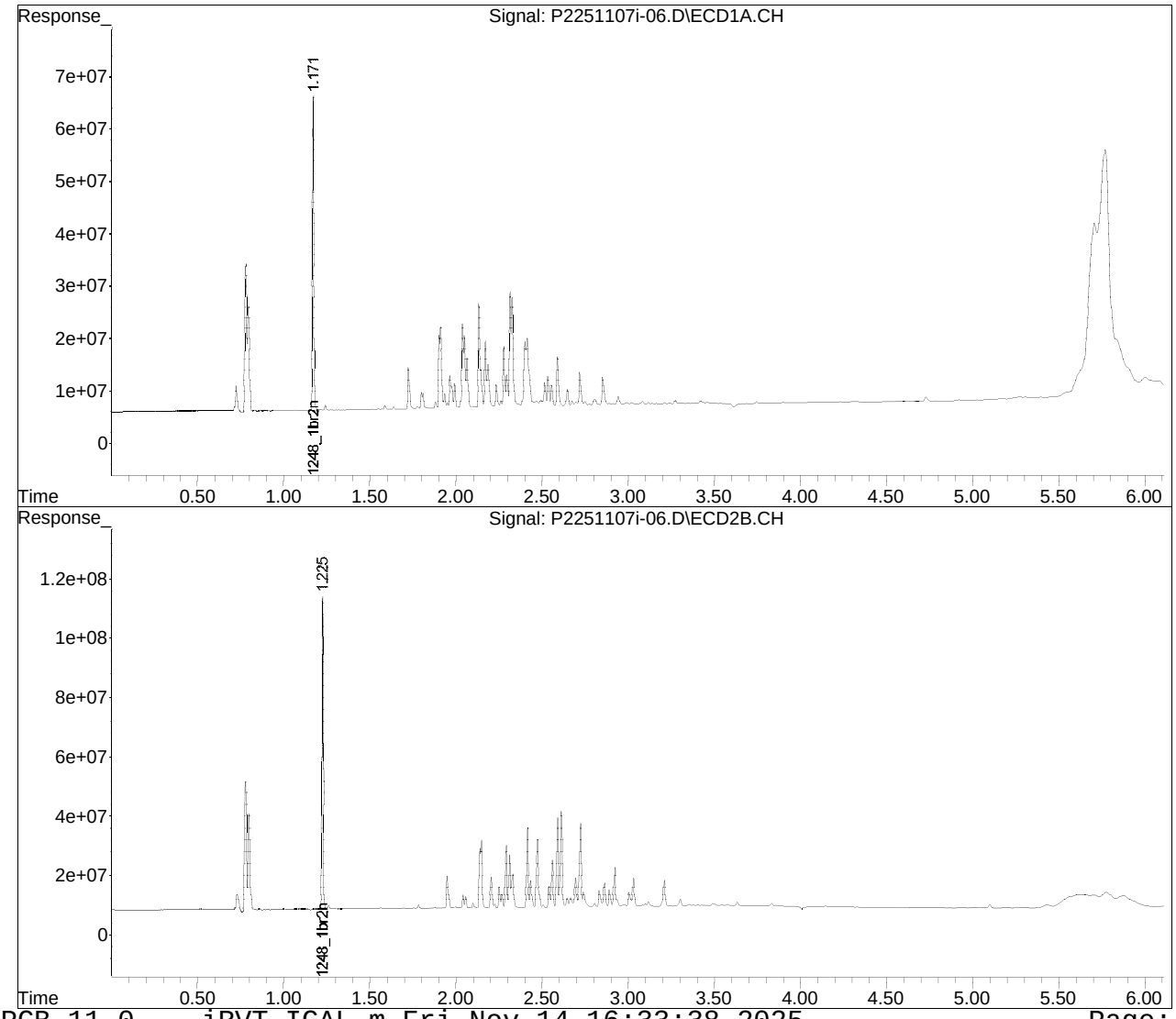
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:14
Operator : pest2:sdc
Sample : il91248,42e,,pp 12221 L250RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:23:18 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:22:58 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

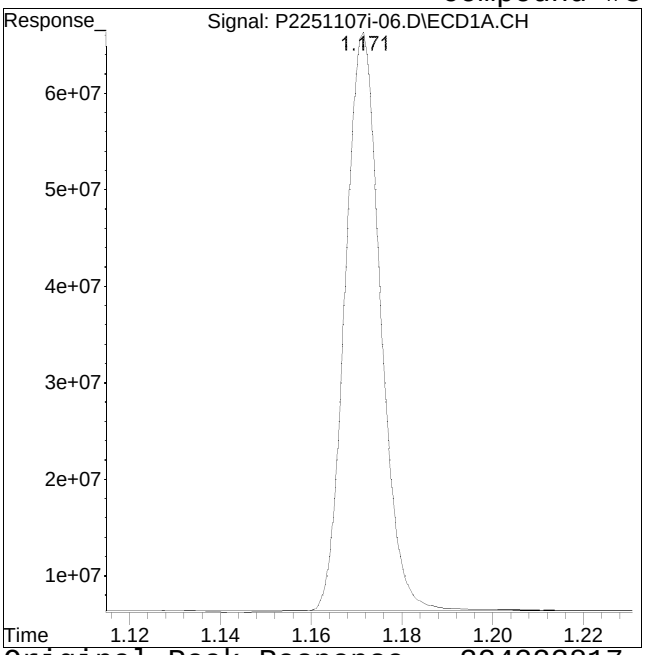
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

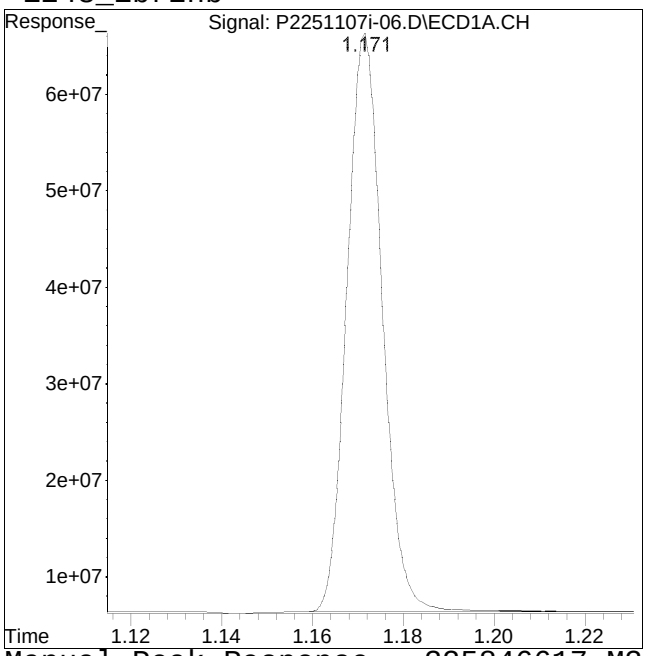


Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-06.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:14 Instrument : Pest 2
Sample : il91248,42e,,pp 12221 L250Quant Date : 11/13/2025 5:23 pm

Compound #34: 1248_1br2nb



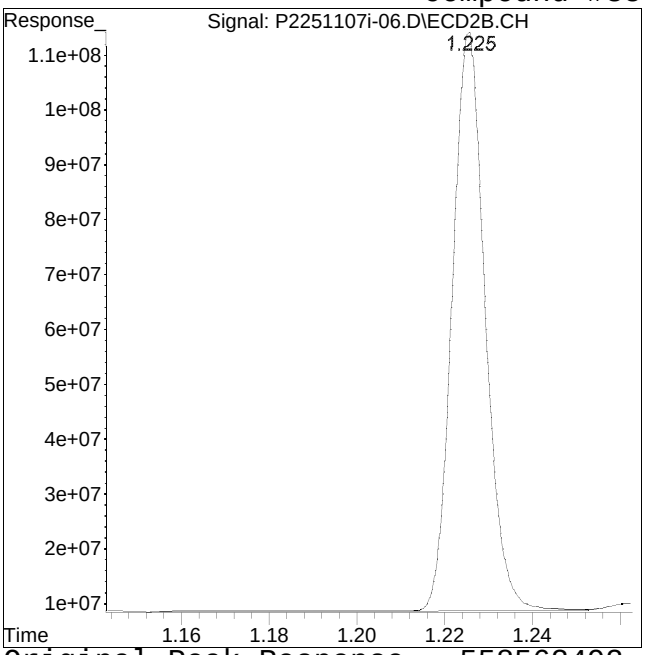


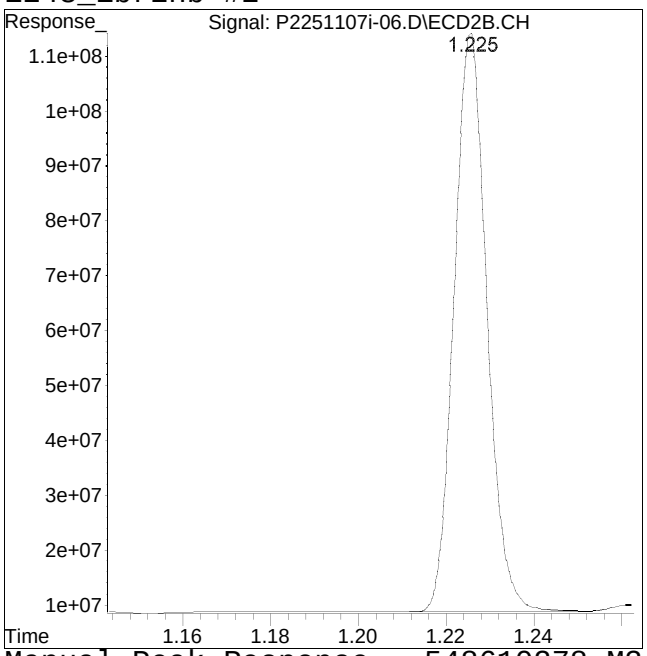
Original Peak Response = 324223817 Manual Peak Response = 325846617 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-06.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:14 Instrument : Pest 2
Sample : il91248,42e,,pp 12221 L250Quant Date : 11/13/2025 5:23 pm

Compound #85: 1248_1br2nb #2



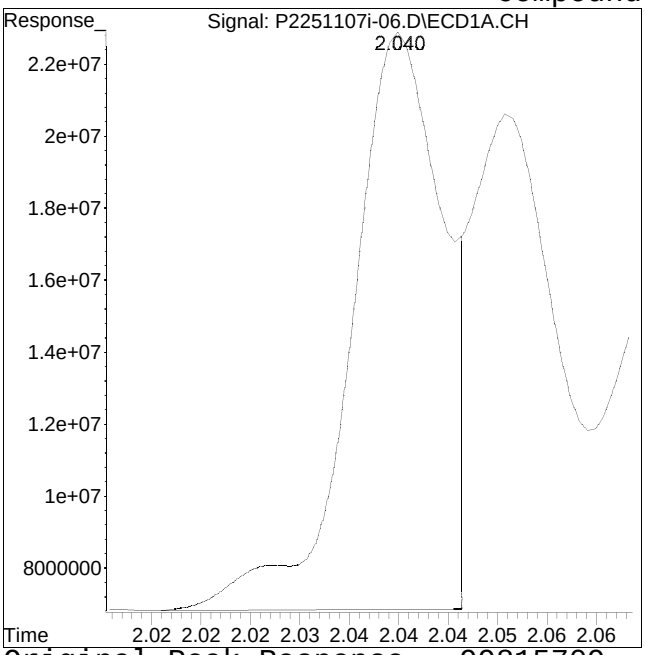


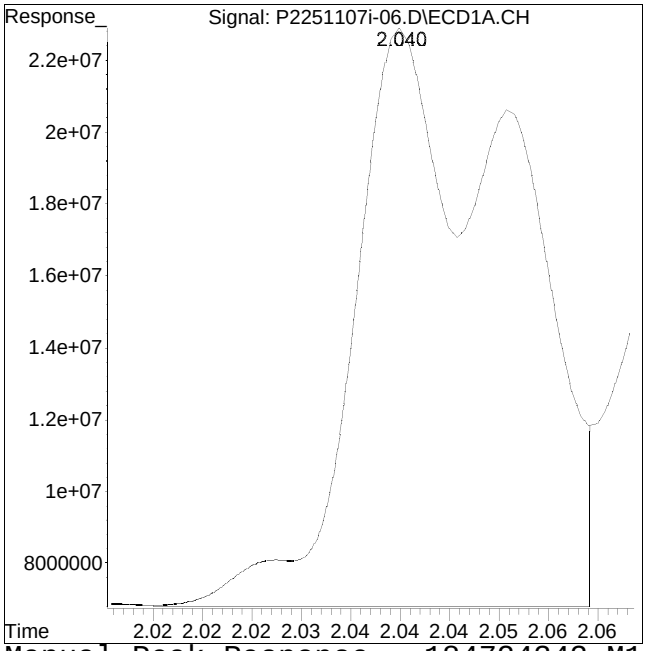
Original Peak Response = 558562492 Manual Peak Response = 548610278 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-06.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:14 Instrument : Pest 2
Sample : il91248,42e,,pp 12221 L250Quant Date : 11/13/2025 5:23 pm

Compound #36: 1248-2





Original Peak Response = 99815709 Manual Peak Response = 184724343 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:22
Operator : pest2:sdc
Sample : il92154,42e,,pp 12223 L250RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:28:59 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:28:33 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	1.171	1.226	334.0E6	569.1E6	25.000M3	25.000M3
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	1.512	1.700	37539819	57559351	NoCal	NoCal
16) l3	1221-2	1.570	1.758	21935416	35930516	NoCal	NoCal

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:22
Operator : pest2:sdc
Sample : il92154,42e,,pp 12223 L250RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:28:59 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:28:33 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-3	1.587	1.784	93375559	136.0E6	NoCal	NoCal
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	2.297	2.588	130.6E6	101.8E6	NoCal	NoCal
19) l4	1254-2	2.409	2.695	237.3E6	249.7E6	NoCal	NoCal
20) l4	1254-3	2.591	2.920	254.7E6	363.3E6	NoCal	NoCal
21) l4	1254-4	2.720	3.030	174.5E6	235.9E6	NoCal	NoCal M3
22) l4	1254-5	2.941	3.303	227.6E6	271.8E6	NoCal	NoCal
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9	1268-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:22
Operator : pest2:sdc
Sample : il92154,42e,,pp 12223 L250RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:28:59 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:28:33 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

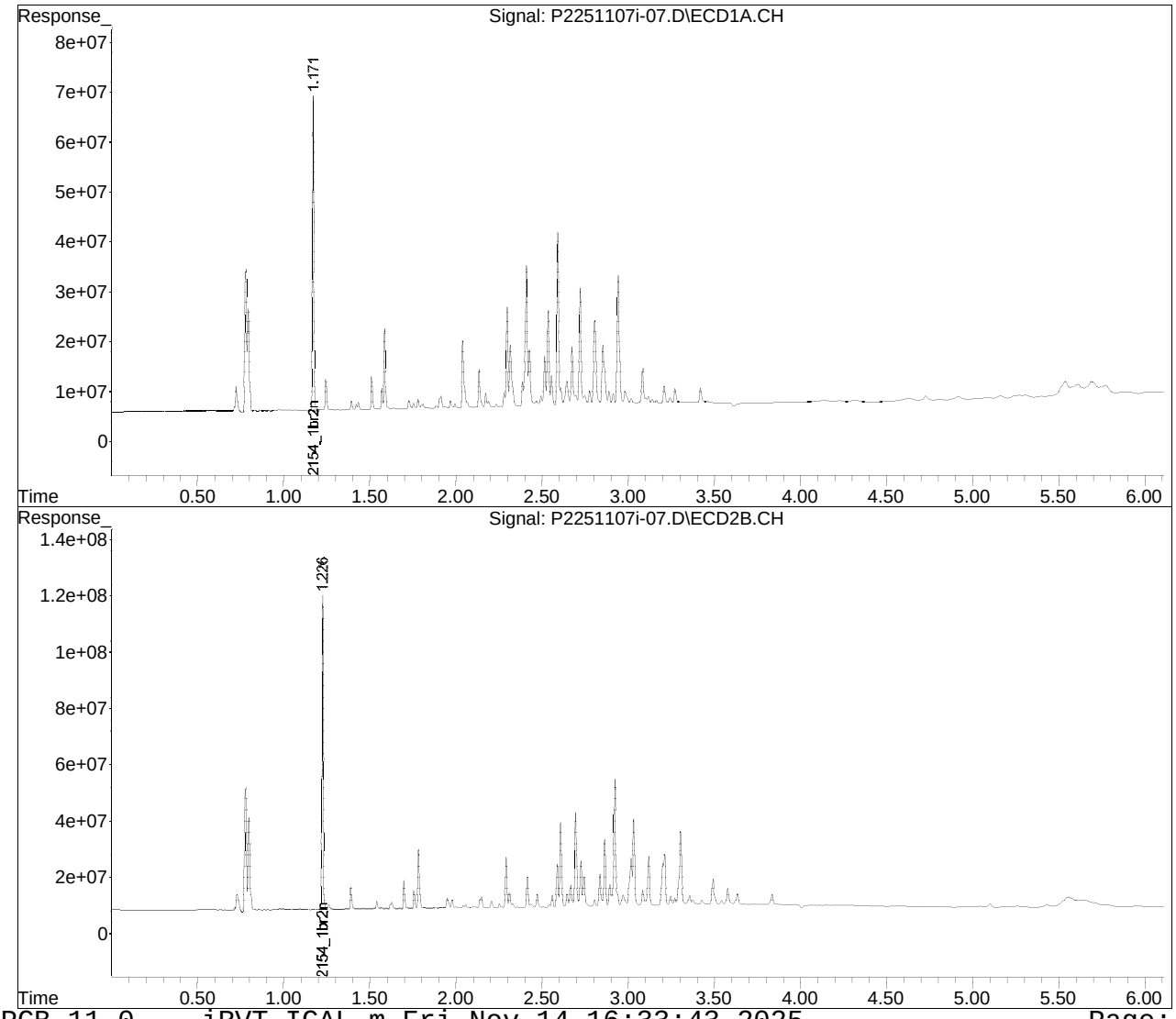
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:22
Operator : pest2:sdc
Sample : il92154,42e,,pp 12223 L250RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:28:59 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:28:33 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

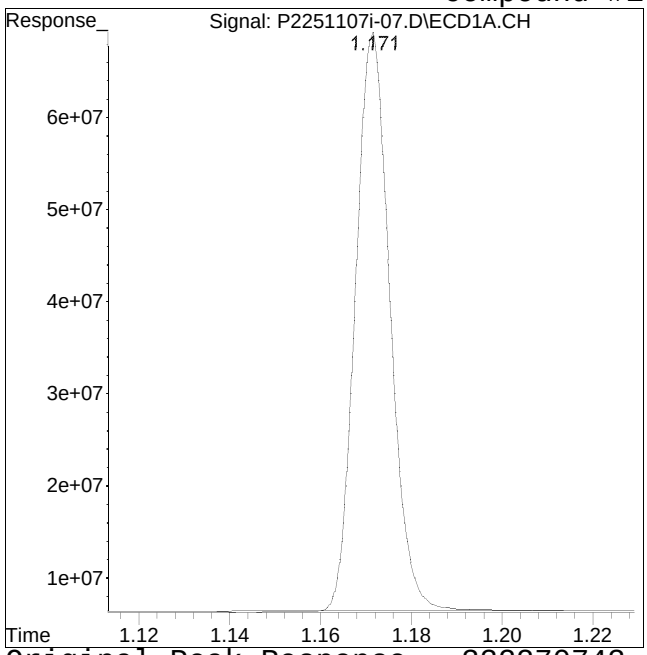
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

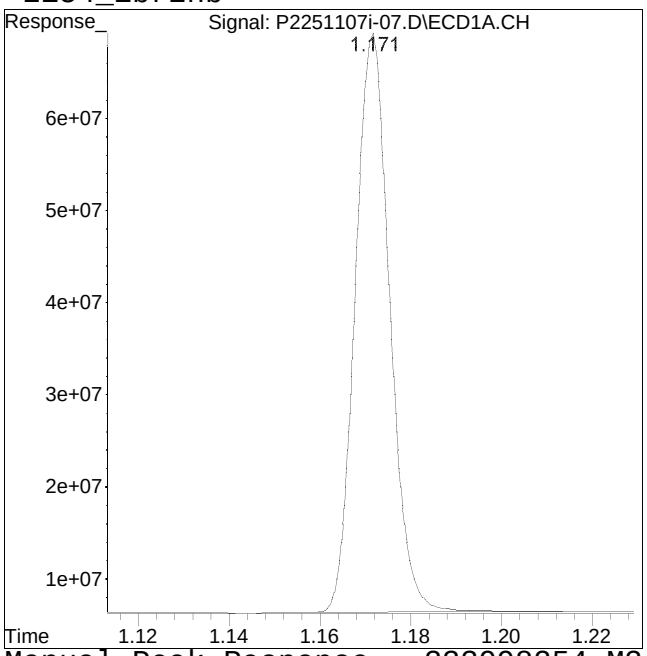


Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-07.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:22 Instrument : Pest 2
Sample : il92154,42e,,pp 12223 L250Quant Date : 11/13/2025 5:28 pm

Compound #14: 2154_1br2nb



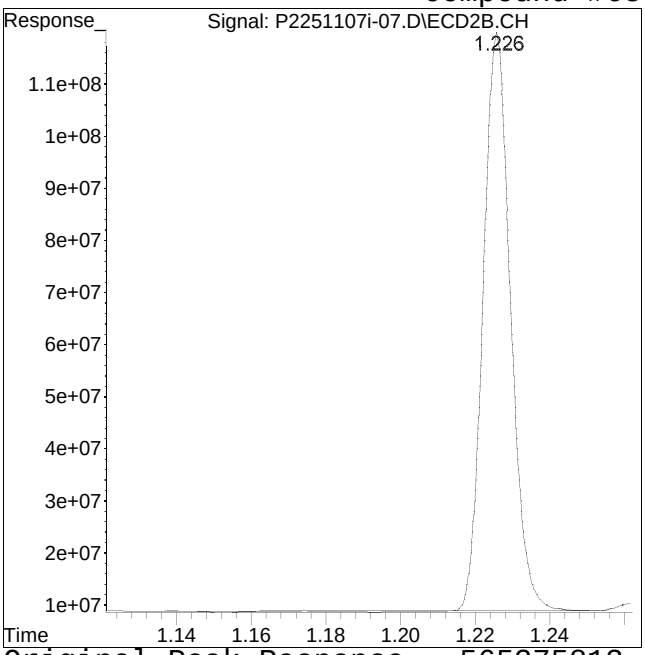


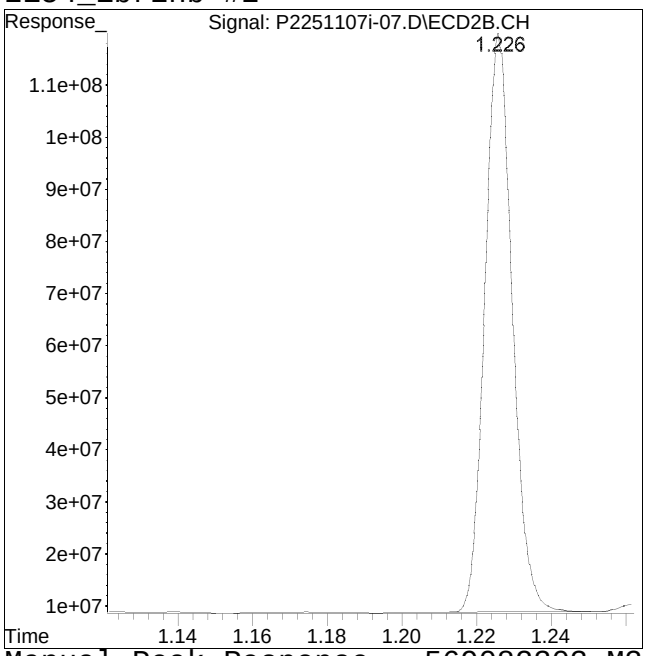
Original Peak Response = 332270743 Manual Peak Response = 333998254 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-07.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:22 Instrument : Pest 2
Sample : il92154,42e,,pp 12223 L250Quant Date : 11/13/2025 5:28 pm

Compound #65: 2154_1br2nb #2



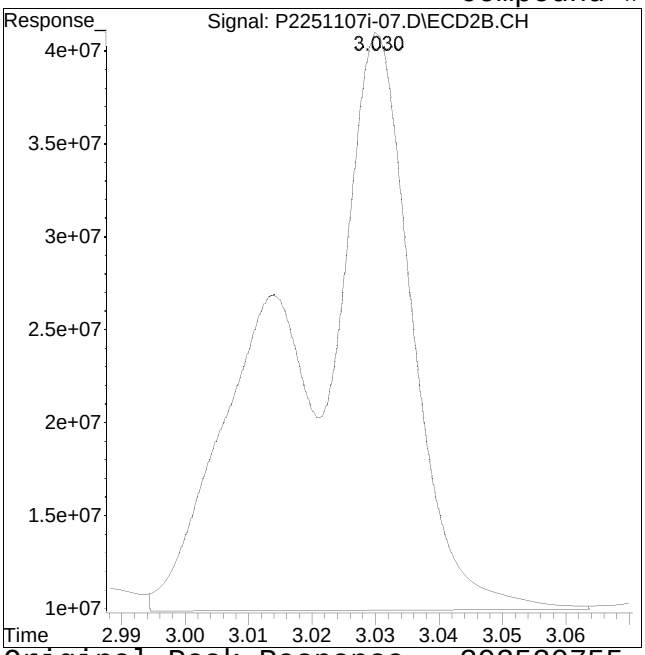


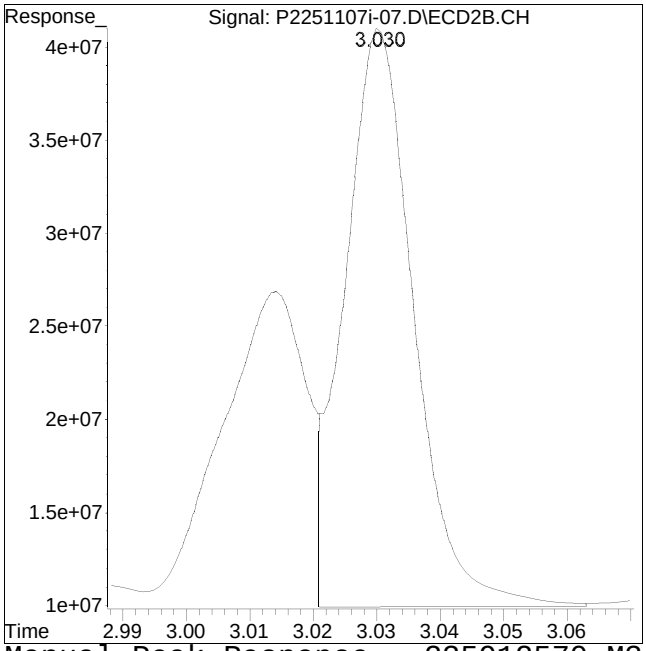
Original Peak Response = 565375813 Manual Peak Response = 569082303 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-07.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:22 Instrument : Pest 2
Sample : il92154,42e,,pp 12223 L250Quant Date : 11/13/2025 5:28 pm

Compound #72: 1254-4 #2





Original Peak Response = 393520755 Manual Peak Response = 235912570 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-08.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:31
Operator : pest2:sdc
Sample : il11660,42e,,pp 12222 L4RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:48:25 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:48:02 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.172	1.226	315.4E6	537.5E6	25.000M3	25.000M3
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.451	1.588	6563933	10593398	0.418M3	0.434M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.84%#	0.87%#
3) s	Decachlorobi	4.004	4.476	5806420	7627939	0.442M2	0.496M3
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.88%#	0.99%#
	Target Compounds						
4) l1	1016-1	1.588	1.783	1131363	2139722	4.337M2	5.121M3
5) l1	1016-2	1.726	1.950	2935019	4589057	4.538M2	4.754M2
6) l1	1016-3	1.915	2.149	5287899	9613397	4.286M2	5.020M2
7) l1	1016-4	1.968	2.208	2208729	3634020	4.244M2	4.764M2
8) l1	1016-5	2.137	2.415	2743761	3287265	5.220M2	5.521M2
	Sum 1016-1			14306770	23263461	22.627	25.179
	Average 1016-1					4.525	5.036
9) l2	1260-1	2.675	3.016	3339784	5242728	4.388M2	4.660M2
10) l2	1260-2	2.805	3.117	5076154	6391898	4.270M2	4.963M2

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-08.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:31
Operator : pest2:sdc
Sample : il11660,42e,,pp 12222 L4RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:48:25 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:48:02 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) l2	1260-3	3.119	3.504	2423209	4977155	4.043M2	5.360M3
12) l2	1260-4	3.273	3.634	5068653	8408292	3.887M2	4.974M2
13) l2	1260-5	3.421	3.833	4366627	6331745	4.381M2	5.139M2
Sum	1260-1			20274427	31351818	NoCal	NoCal D
Average	1260-1					4.194	5.019
15) l3	1221-1	0.000	0.000	0	0	N.D.	N.D.
16) l3	1221-2	0.000	0.000	0	0	N.D.	N.D.
17) l3	1221-3	0.000	0.000	0	0	N.D.	N.D.
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D.	N.D.
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D.	N.D.
21) l4	1254-4	0.000	0.000	0	0	N.D.	N.D.
22) l4	1254-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D.	N.D.
25) l6	1242-2	0.000	0.000	0	0	N.D.	N.D.
26) l6	1242-3	0.000	0.000	0	0	N.D.	N.D.
27) l6	1242-4	0.000	0.000	0	0	N.D.	N.D.
28) l6	1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D.	N.D.

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-08.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:31
Operator : pest2:sdc
Sample : il11660,42e,,pp 12222 L4RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:48:25 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:48:02 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
30) l9	1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D.	N.D.
36) l7	1248-2	0.000	0.000	0	0	N.D.	N.D.
37) l7	1248-3	0.000	0.000	0	0	N.D.	N.D.
38) l7	1248-4	0.000	0.000	0	0	N.D.	N.D.
39) l7	1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D.	N.D.
42) l5	1232-2	0.000	0.000	0	0	N.D.	N.D.
43) l5	1232-3	0.000	0.000	0	0	N.D.	N.D.
44) l5	1232-4	0.000	0.000	0	0	N.D.	N.D.
45) l5	1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D.	N.D.
47) l8	1262-2	0.000	0.000	0	0	N.D.	N.D.
48) l8	1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8	1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8	1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-08.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:31
Operator : pest2:sdc
Sample : il11660,42e,,pp 12222 L4RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:48:25 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:48:02 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

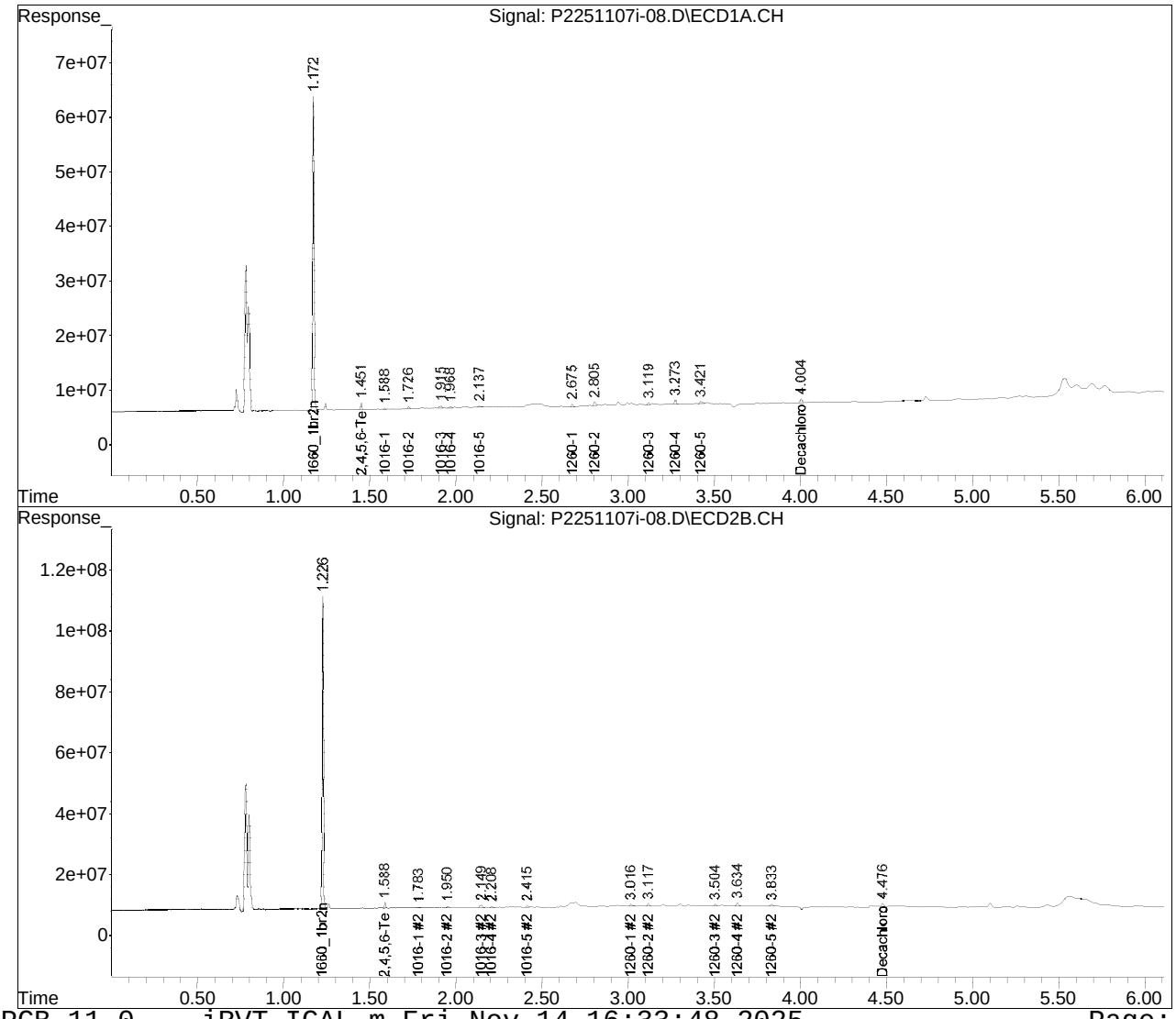
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-08.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:31
Operator : pest2:sdc
Sample : il11660,42e,,pp 12222 L4RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:48:25 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:48:02 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

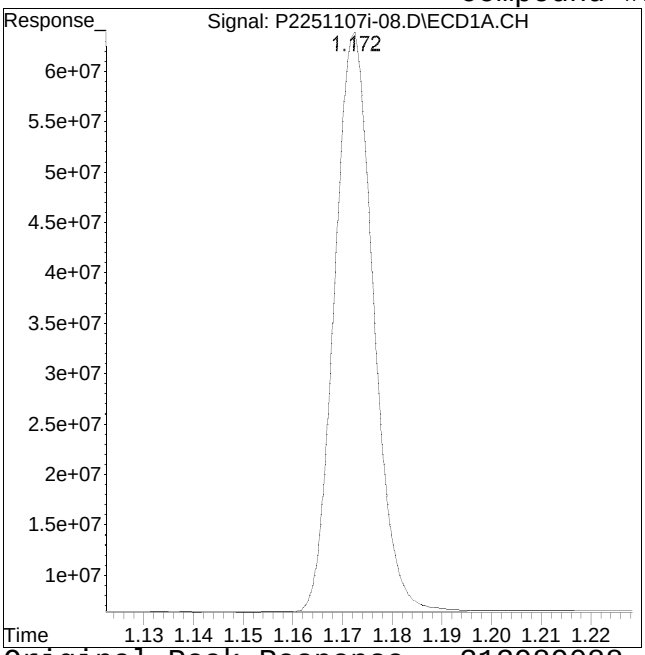
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

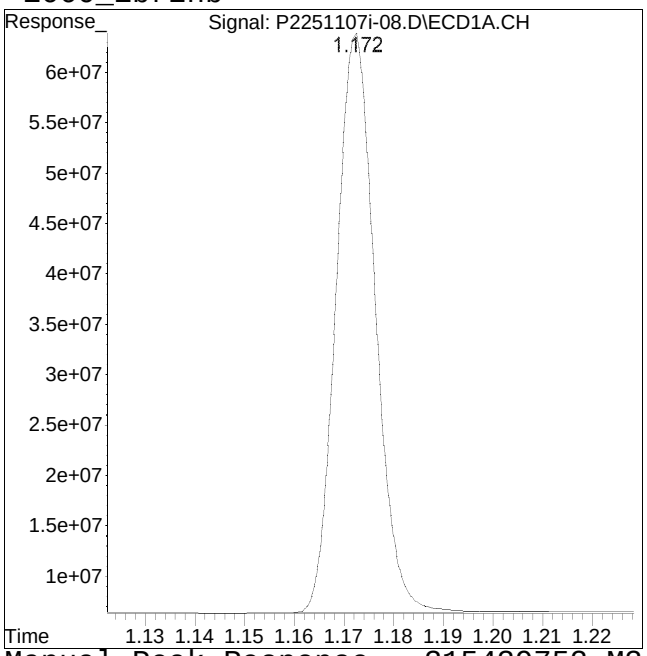


Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-08.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:31 Instrument : Pest 2
Sample : il11660,42e,,pp 12222 L4RVQuant Date : 11/12/2025 4:48 pm

Compound #1: 1660_1br2nb



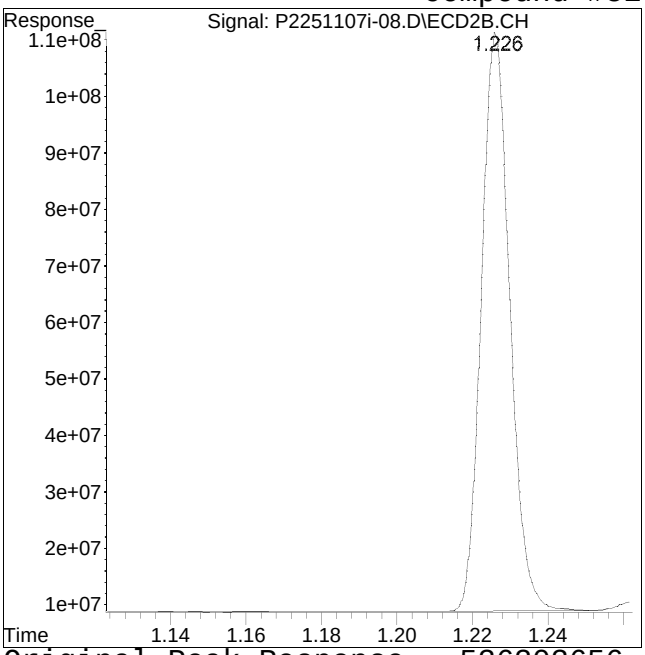


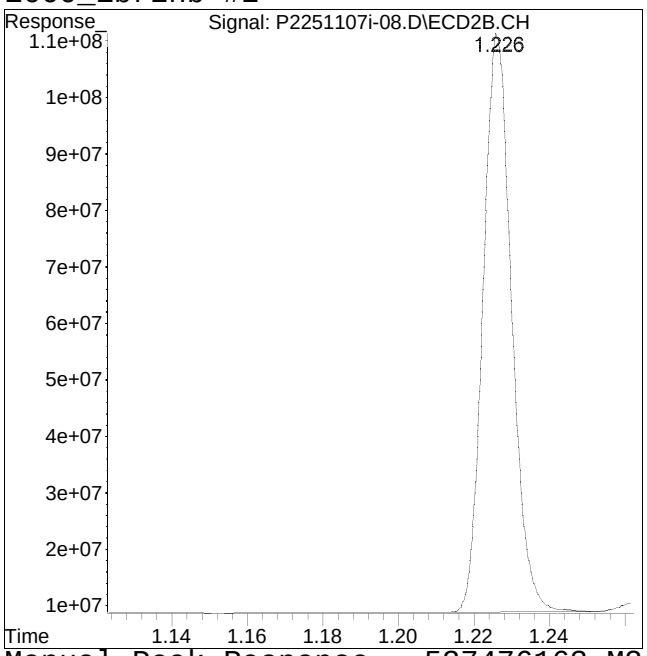
Original Peak Response = 313989088 Manual Peak Response = 315439752 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-08.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:31 Instrument : Pest 2
Sample : il11660,42e,,pp 12222 L4RVQuant Date : 11/12/2025 4:48 pm

Compound #52: 1660_1br2nb #2



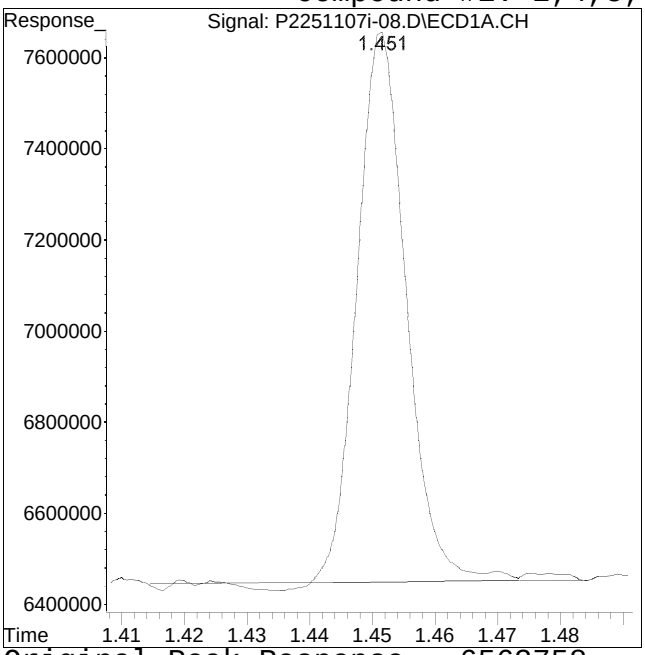


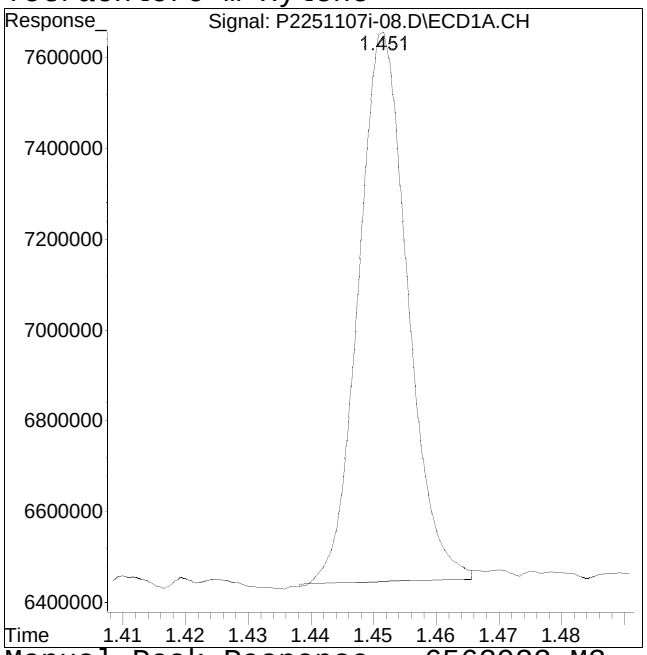
Original Peak Response = 536303656 Manual Peak Response = 537476163 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-08.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:31 Instrument : Pest 2
Sample : il11660,42e,,pp 12222 L4RVQuant Date : 11/12/2025 4:48 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



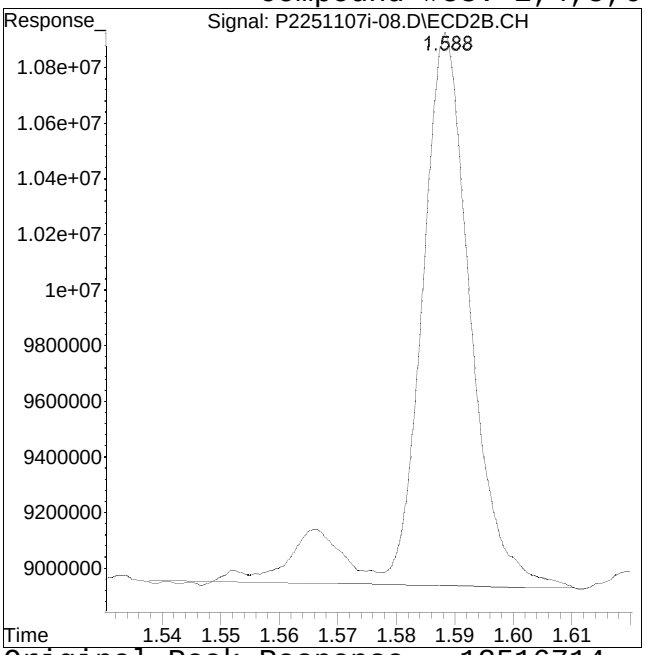


Original Peak Response = 6563758 Manual Peak Response = 6563933 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

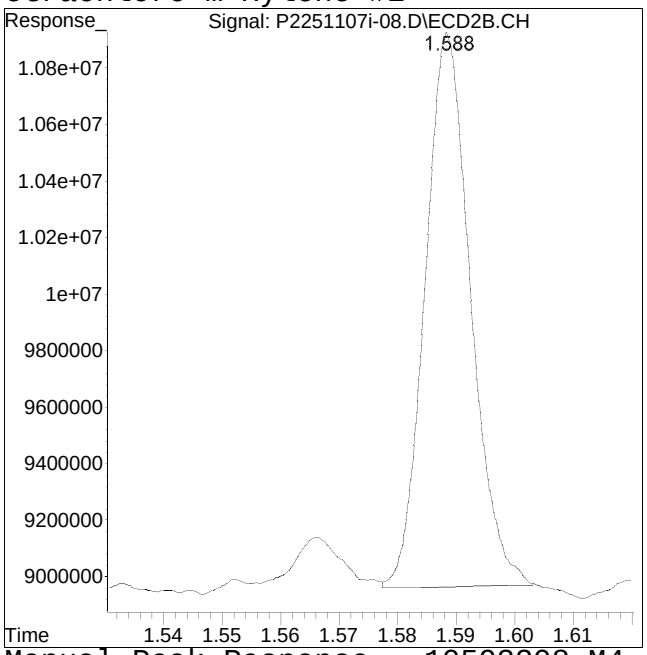
Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-08.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:31 Instrument : Pest 2
Sample : il11660,42e,,pp 12222 L4RVQuant Date : 11/12/2025 4:48 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 12516714



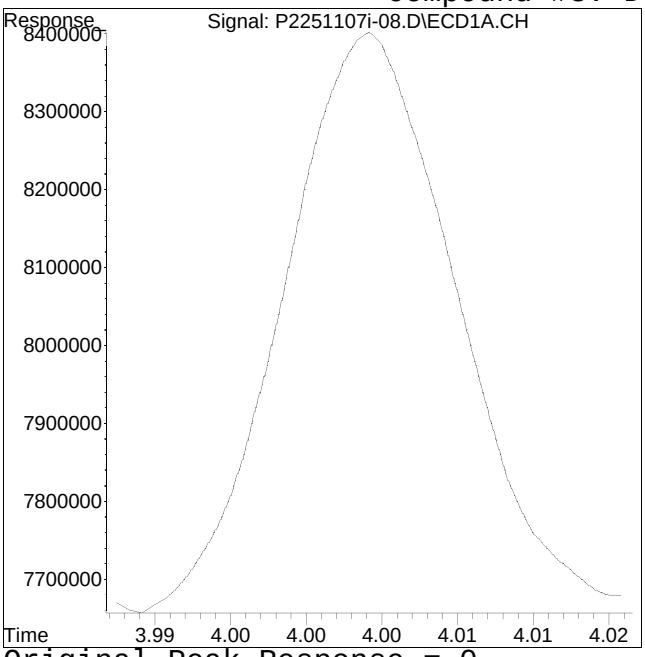
Manual Peak Response = 10593398 M4

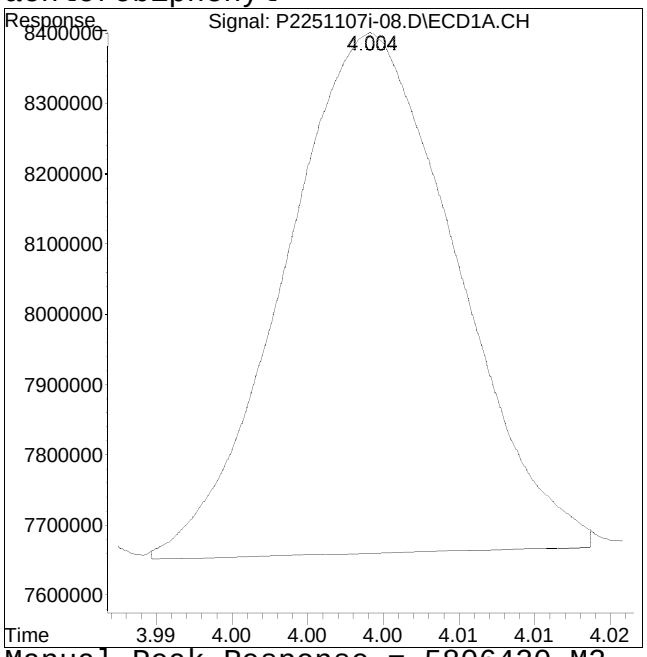
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-08.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:31 Instrument : Pest 2
Sample : il11660,42e,,pp 12222 L4RVQuant Date : 11/12/2025 4:48 pm

Compound #3: Decachlorobiphenyl



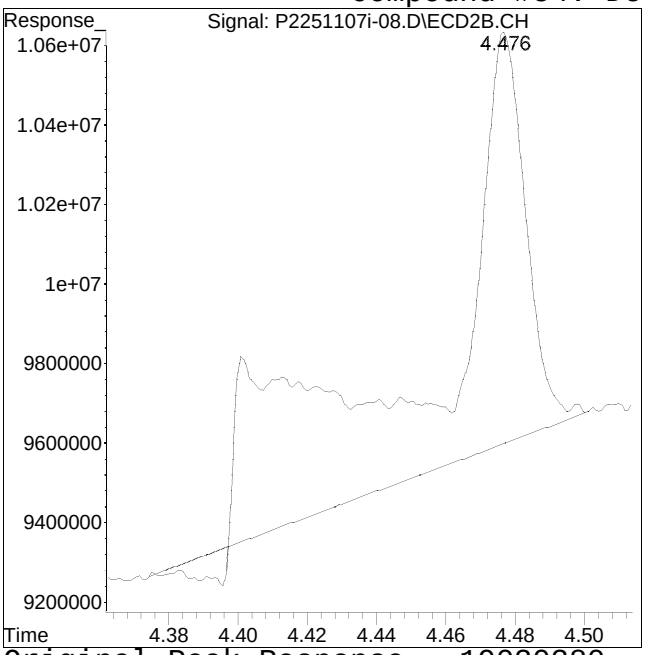


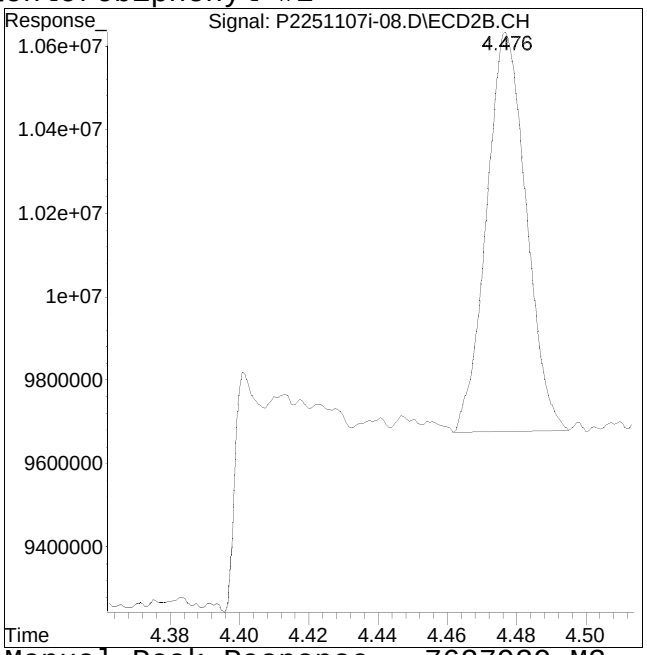
Original Peak Response = 0 Manual Peak Response = 5806420 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-08.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:31 Instrument : Pest 2
Sample : il11660,42e,,pp 12222 L4RVQuant Date : 11/12/2025 4:48 pm

Compound #54: Decachlorobiphenyl #2



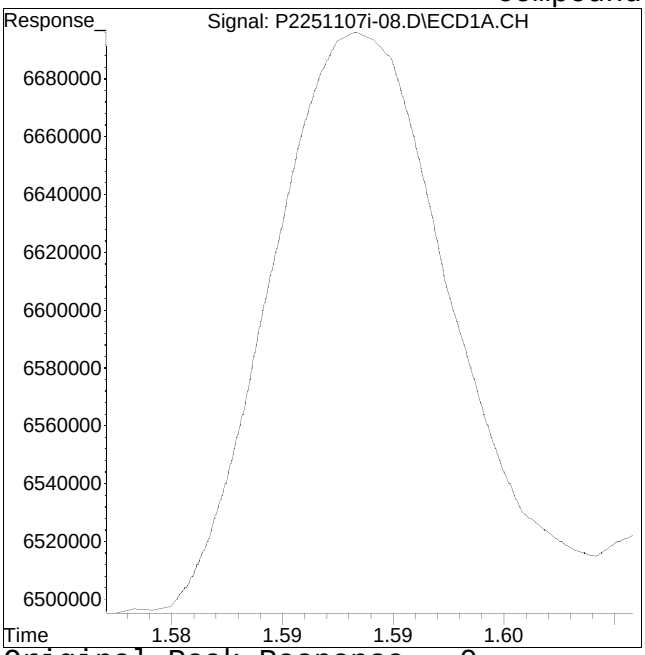


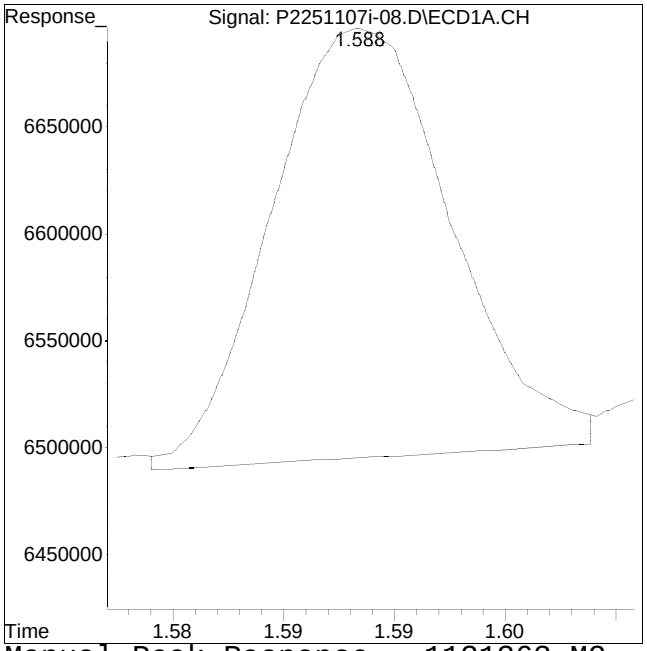
Original Peak Response = 19030380 Manual Peak Response = 7627939 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-08.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:31 Instrument : Pest 2
Sample : il11660,42e,,pp 12222 L4RVQuant Date : 11/12/2025 4:48 pm

Compound #4: 1016-1



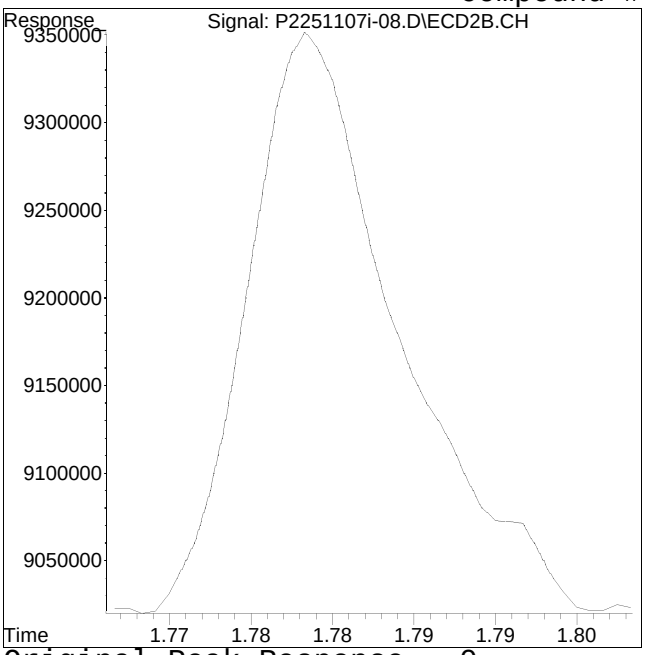


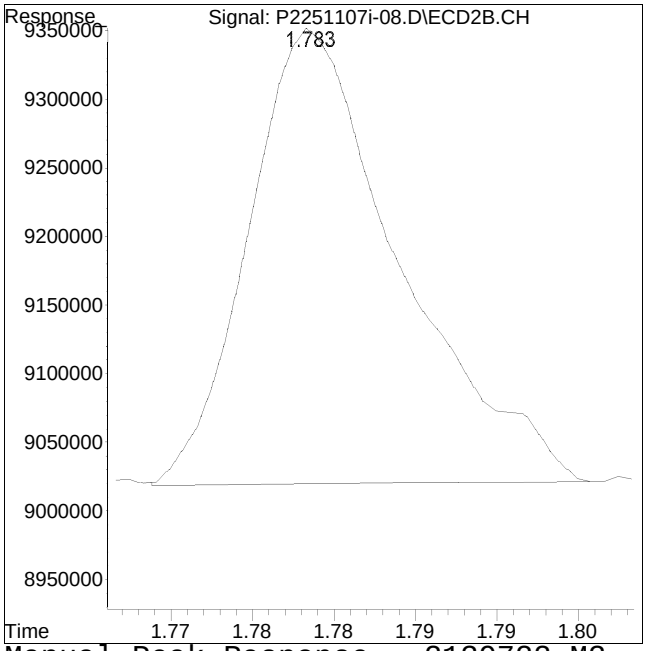
Original Peak Response = 0 Manual Peak Response = 1131363 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-08.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:31 Instrument : Pest 2
Sample : il11660,42e,,pp 12222 L4RVQuant Date : 11/12/2025 4:48 pm

Compound #55: 1016-1 #2



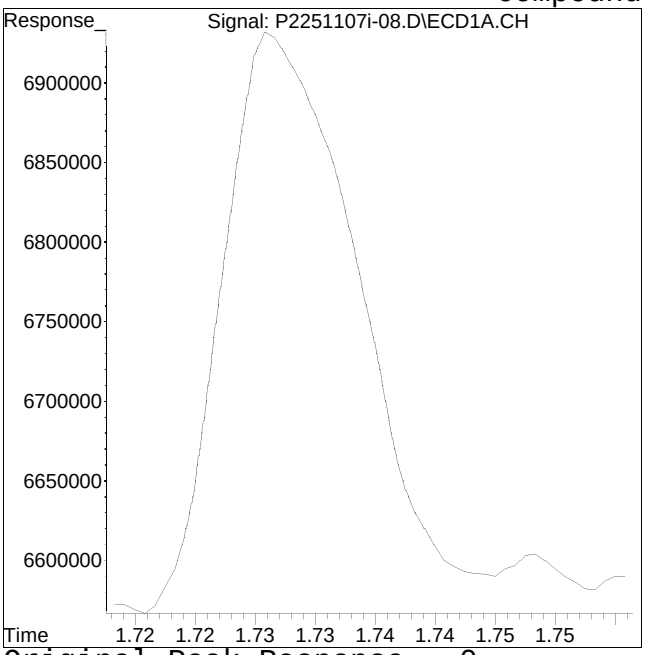


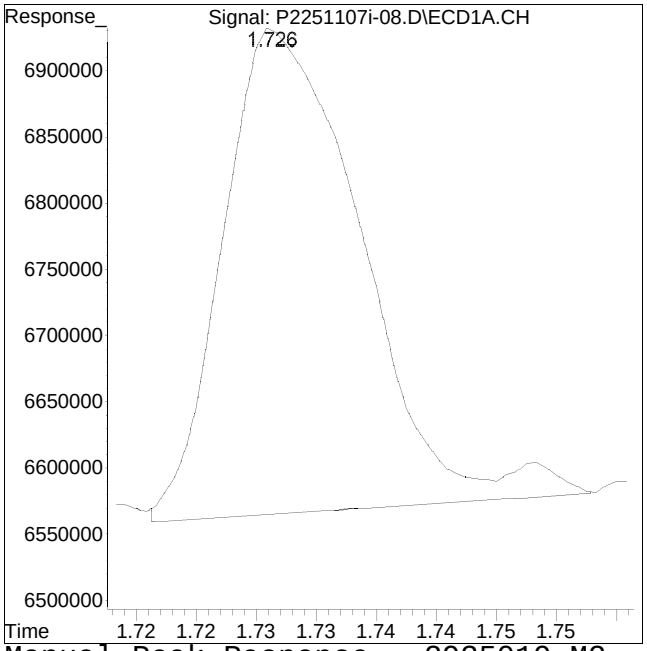
Original Peak Response = 0 Manual Peak Response = 2139722 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-08.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:31 Instrument : Pest 2
Sample : il11660,42e,,pp 12222 L4RVQuant Date : 11/12/2025 4:48 pm

Compound #5: 1016-2



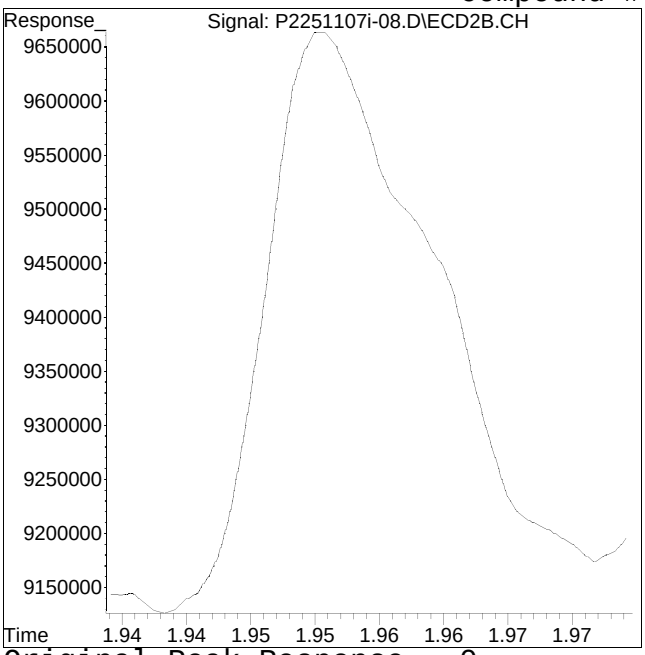


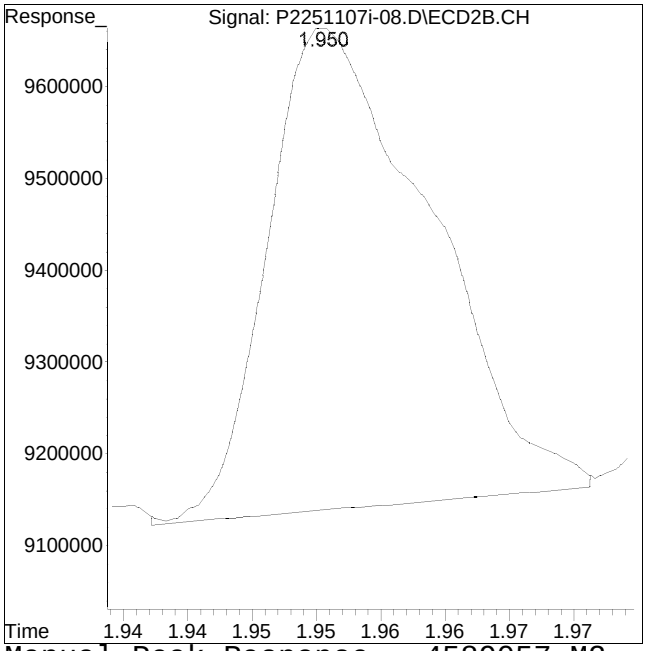
Original Peak Response = 0 Manual Peak Response = 2935019 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-08.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:31 Instrument : Pest 2
Sample : il11660,42e,,pp 12222 L4RVQuant Date : 11/12/2025 4:48 pm

Compound #56: 1016-2 #2



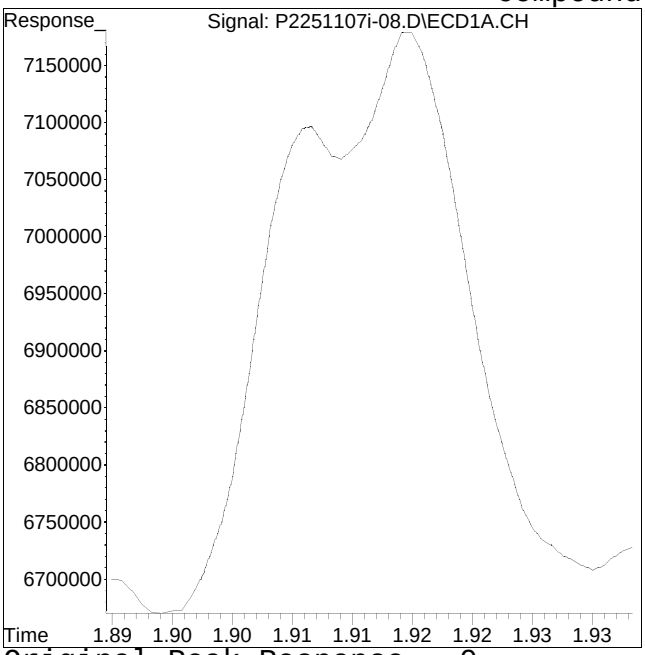


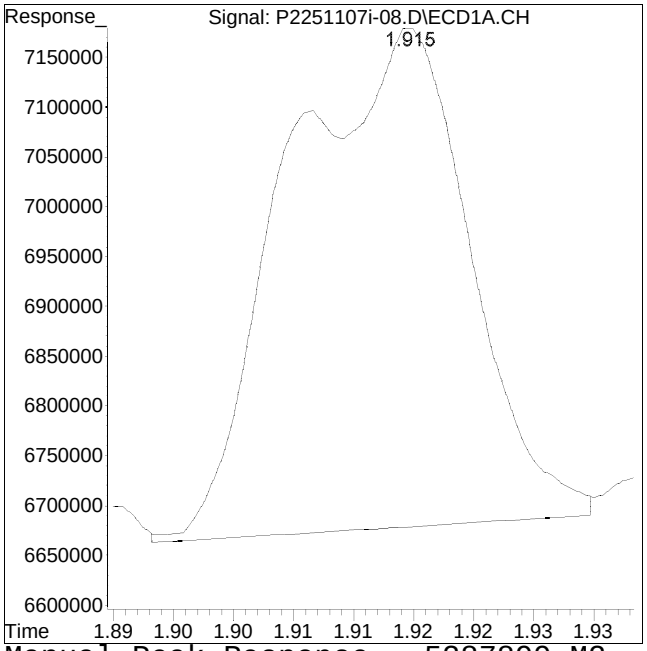
Original Peak Response = 0 Manual Peak Response = 4589057 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-08.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:31 Instrument : Pest 2
Sample : il11660,42e,,pp 12222 L4RVQuant Date : 11/12/2025 4:48 pm

Compound #6: 1016-3



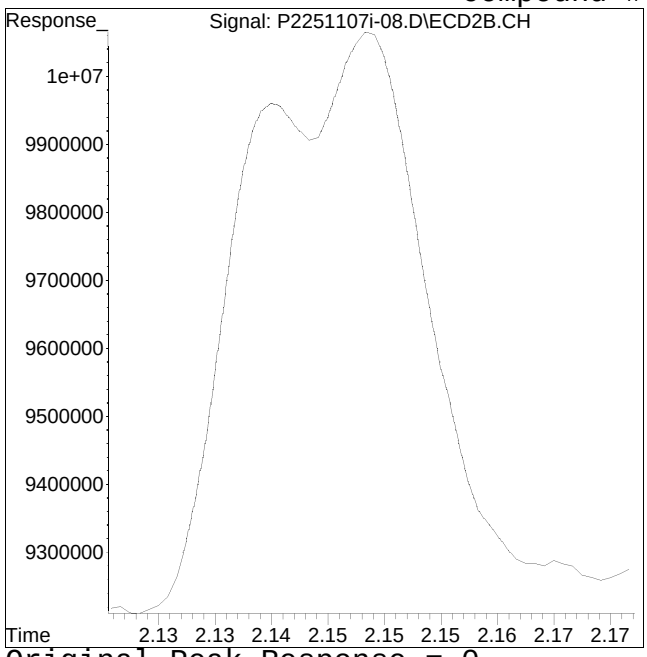


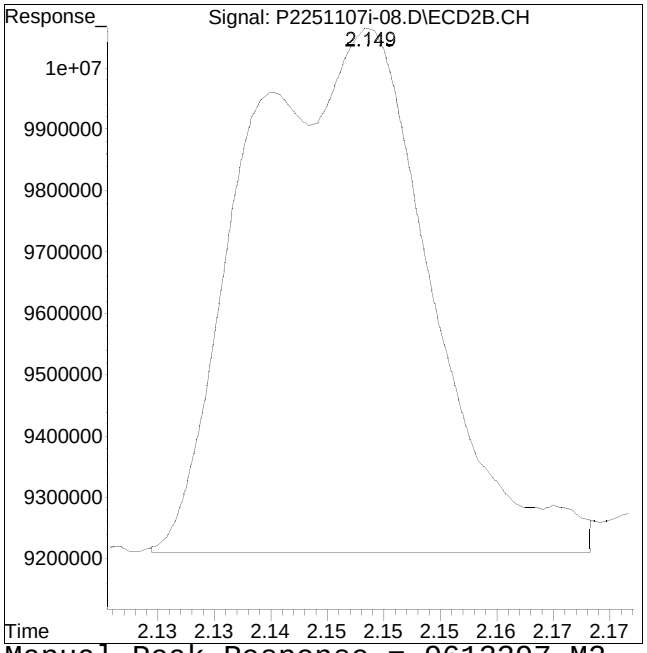
Original Peak Response = 0 Manual Peak Response = 5287899 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-08.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:31 Instrument : Pest 2
Sample : il11660,42e,,pp 12222 L4RVQuant Date : 11/12/2025 4:48 pm

Compound #57: 1016-3 #2



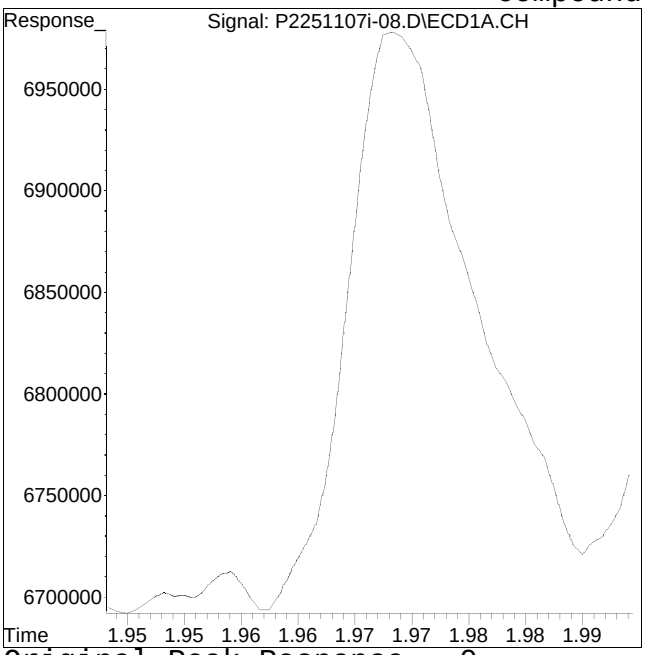


Original Peak Response = 0 Manual Peak Response = 9613397 M2
M2 = Peak not found by automatic integration algorithm.

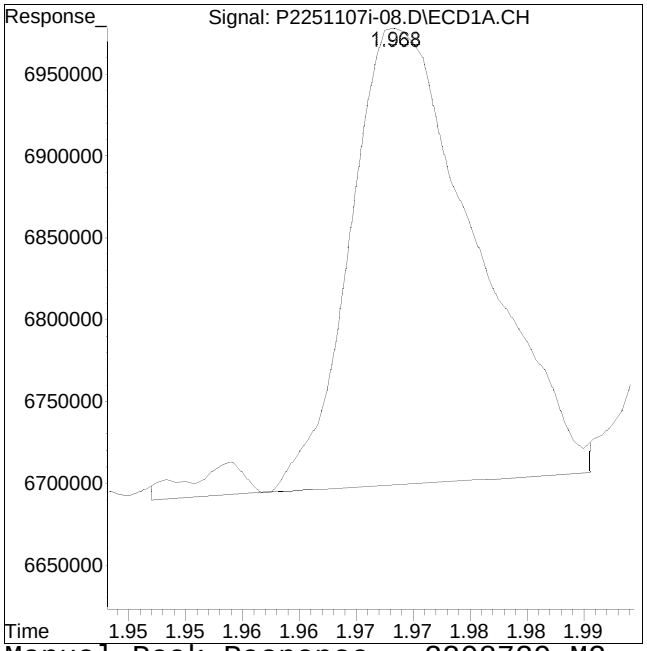
Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-08.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:31 Instrument : Pest 2
Sample : il11660,42e,,pp 12222 L4RVQuant Date : 11/12/2025 4:48 pm

Compound #7: 1016-4



Original Peak Response = 0



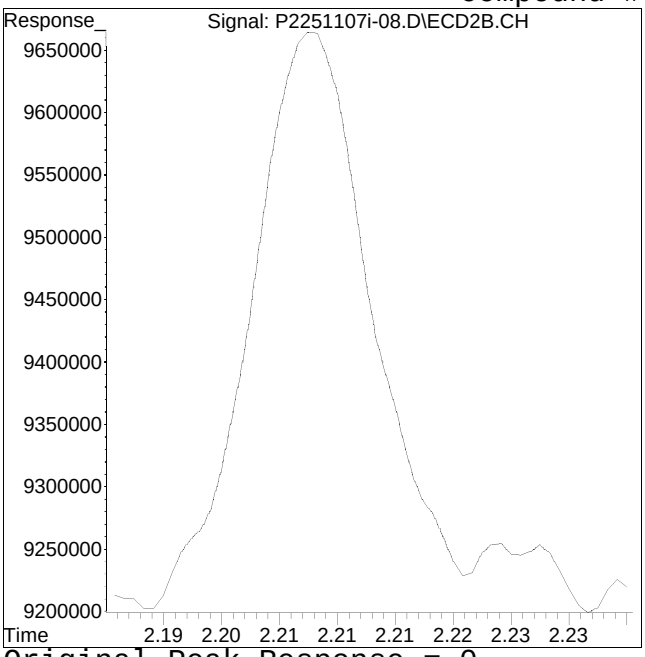
Manual Peak Response = 2208729 M2

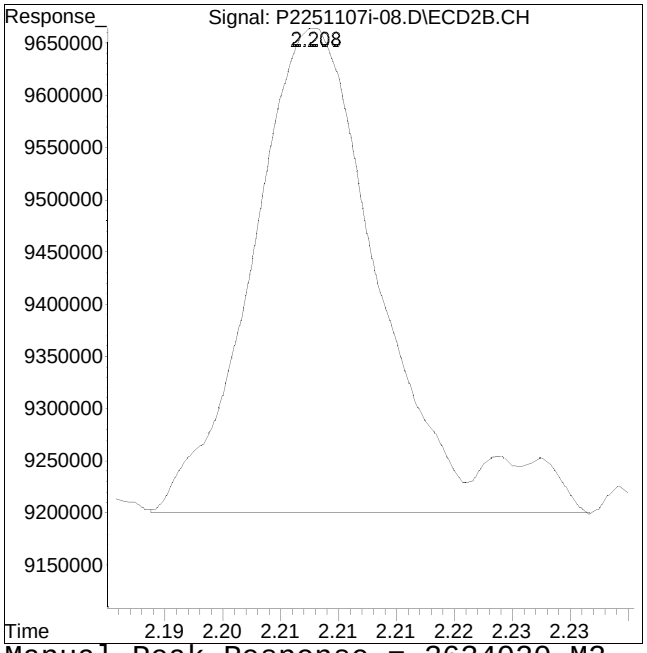
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-08.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:31 Instrument : Pest 2
Sample : il11660,42e,,pp 12222 L4RVQuant Date : 11/12/2025 4:48 pm

Compound #58: 1016-4 #2



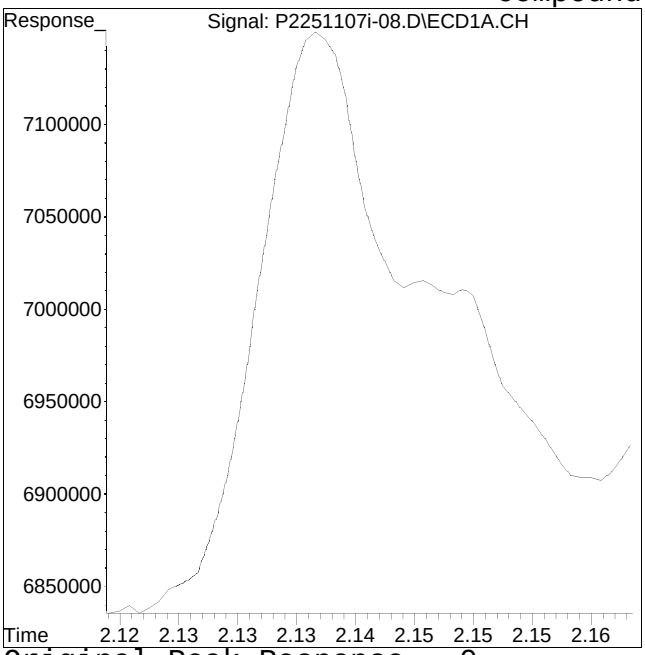


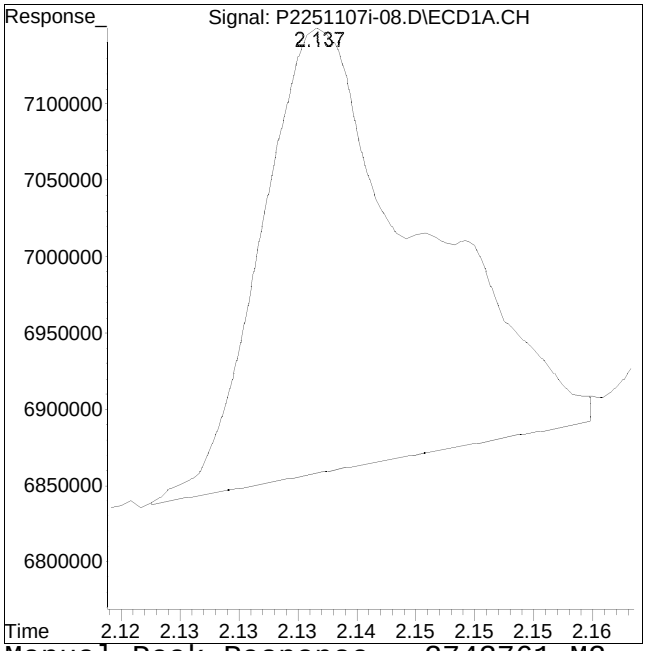
Original Peak Response = 0 Manual Peak Response = 3634020 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-08.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:31 Instrument : Pest 2
Sample : il11660,42e,,pp 12222 L4RVQuant Date : 11/12/2025 4:48 pm

Compound #8: 1016-5



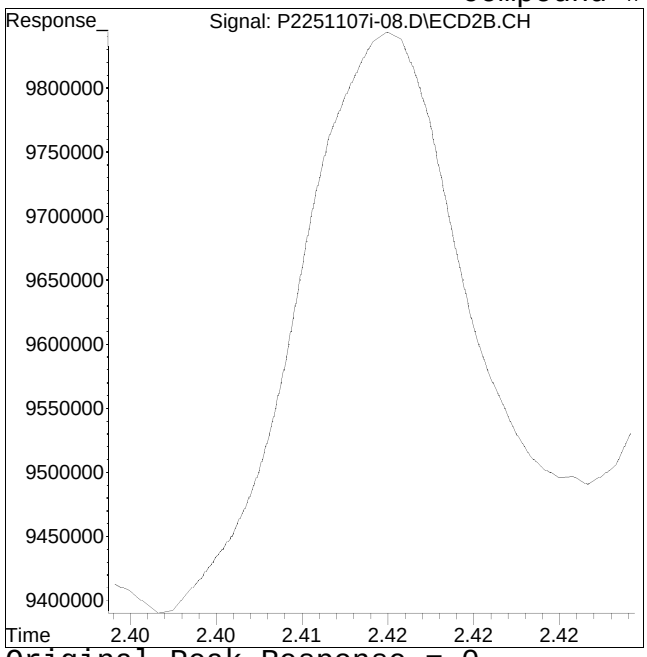


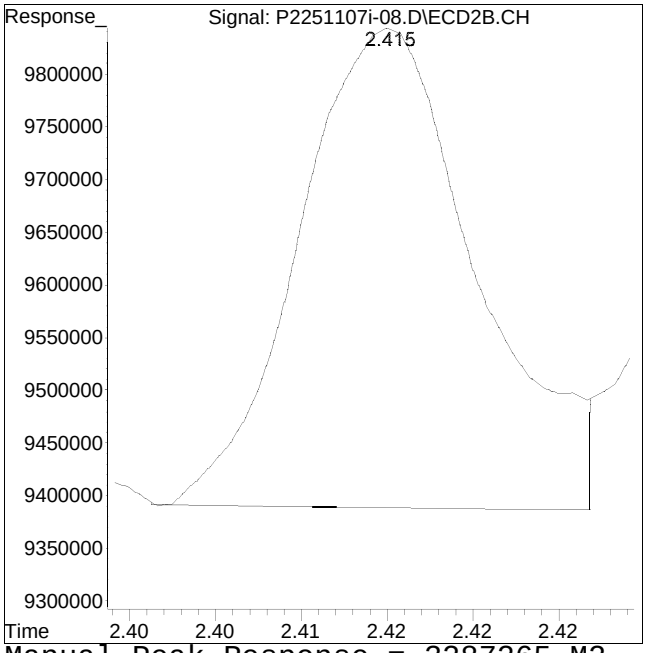
Original Peak Response = 0 Manual Peak Response = 2743761 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-08.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:31 Instrument : Pest 2
Sample : il11660,42e,,pp 12222 L4RVQuant Date : 11/12/2025 4:48 pm

Compound #59: 1016-5 #2



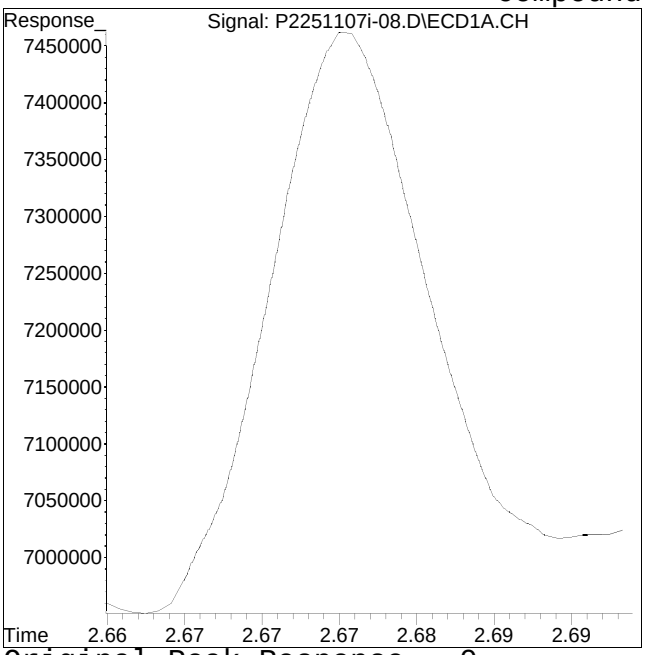


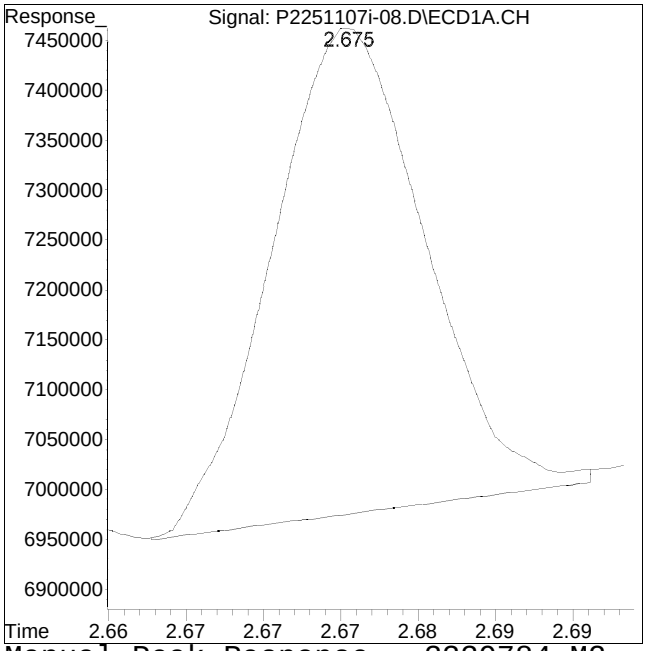
Original Peak Response = 0 Manual Peak Response = 3287265 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-08.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:31 Instrument : Pest 2
Sample : il11660,42e,,pp 12222 L4RVQuant Date : 11/12/2025 4:48 pm

Compound #9: 1260-1



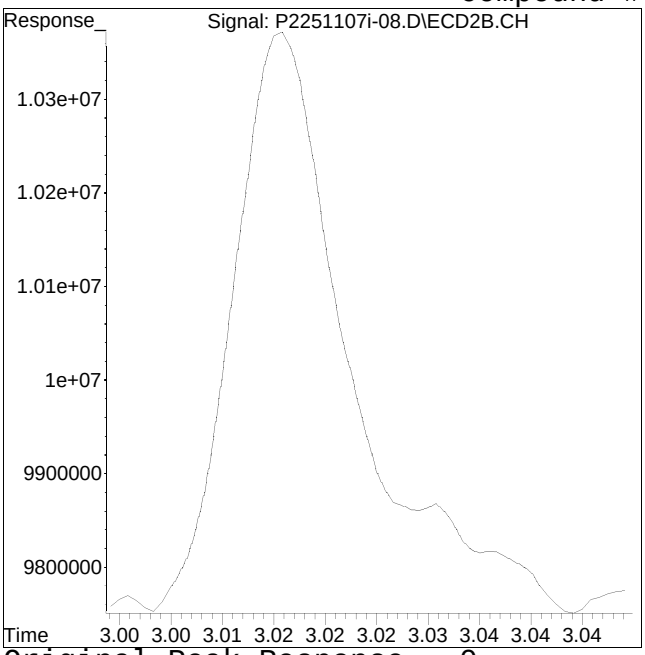


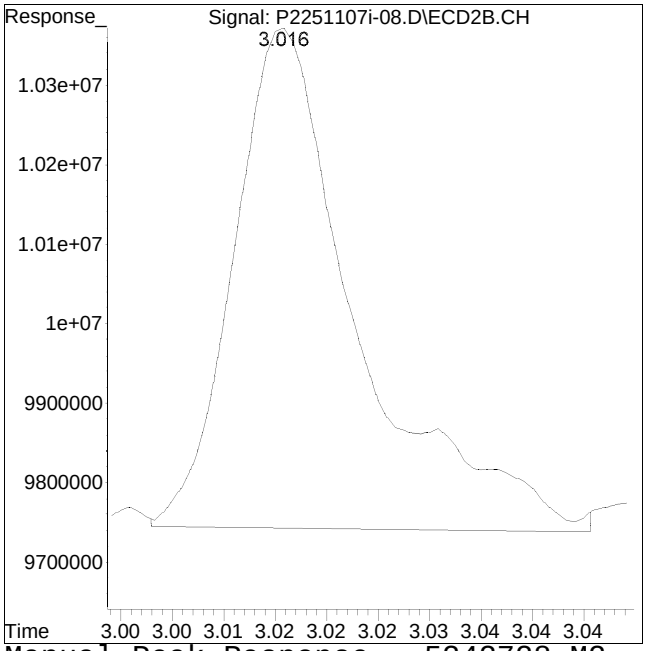
Original Peak Response = 0 Manual Peak Response = 3339784 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-08.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:31 Instrument : Pest 2
Sample : il11660,42e,,pp 12222 L4RVQuant Date : 11/12/2025 4:48 pm

Compound #60: 1260-1 #2



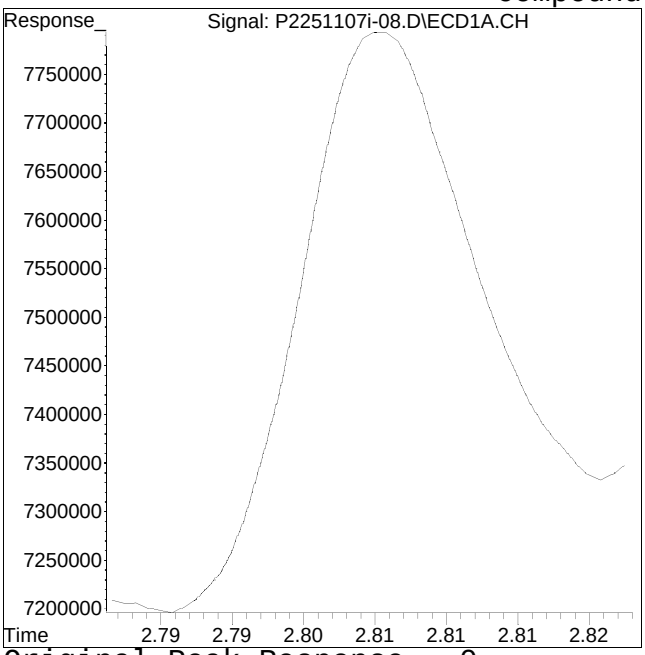


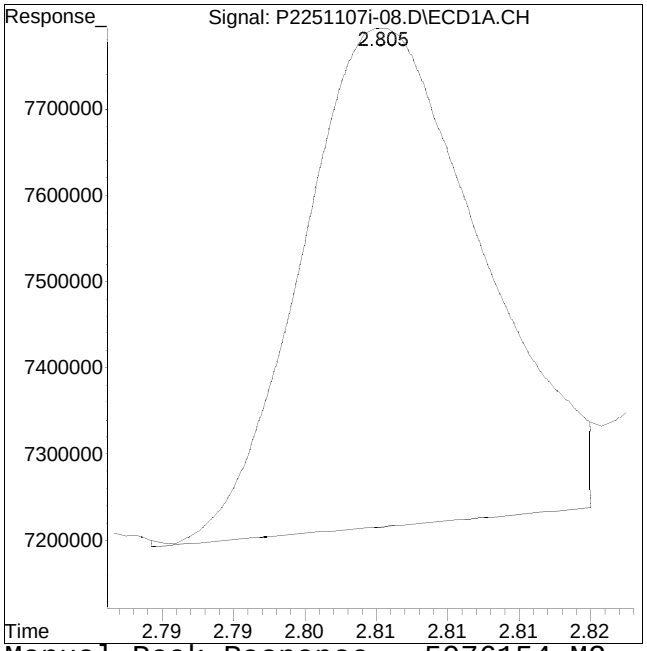
Original Peak Response = 0 Manual Peak Response = 5242728 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-08.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:31 Instrument : Pest 2
Sample : il11660,42e,,pp 12222 L4RVQuant Date : 11/12/2025 4:48 pm

Compound #10: 1260-2



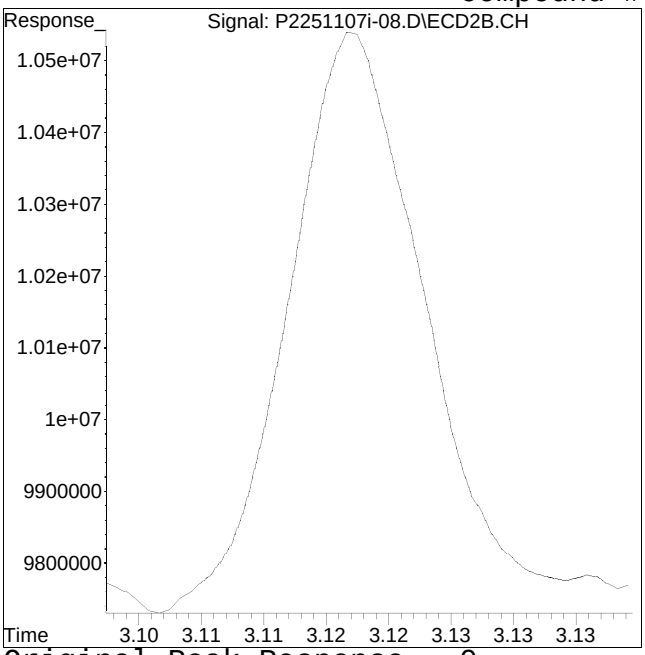


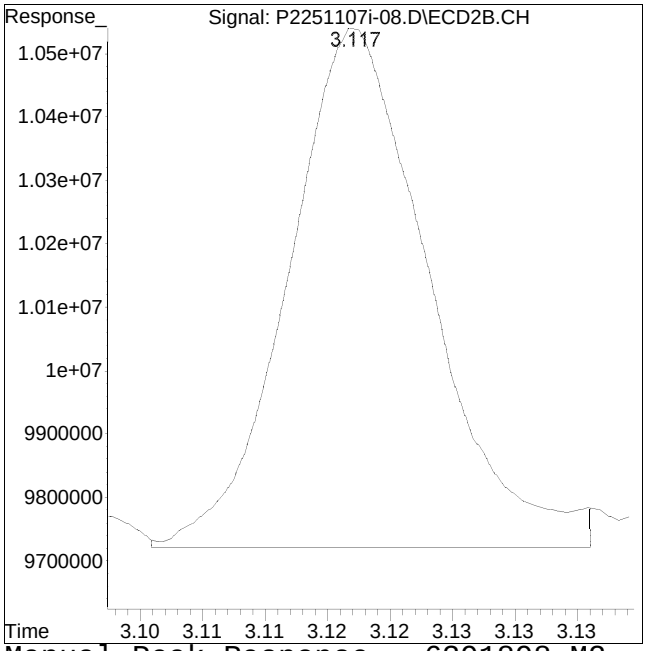
Original Peak Response = 0 Manual Peak Response = 5076154 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-08.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:31 Instrument : Pest 2
Sample : il11660,42e,,pp 12222 L4RVQuant Date : 11/12/2025 4:48 pm

Compound #61: 1260-2 #2



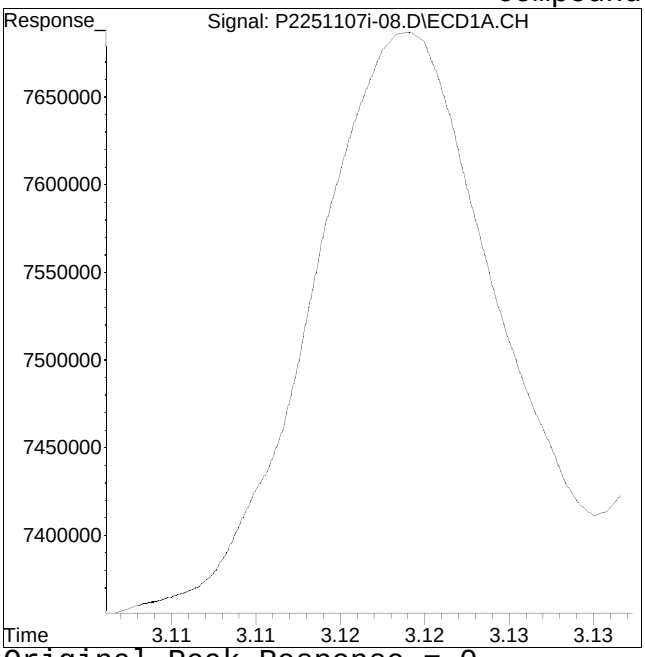


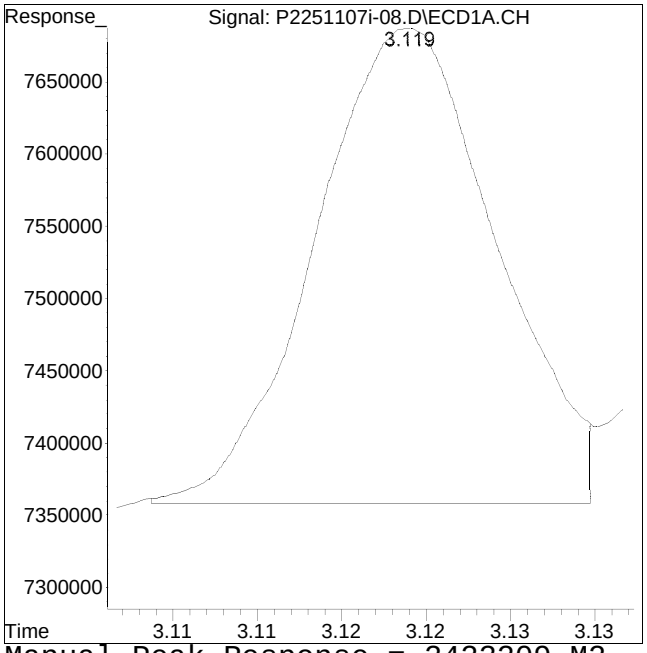
Original Peak Response = 0 Manual Peak Response = 6391898 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-08.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:31 Instrument : Pest 2
Sample : il11660,42e,,pp 12222 L4RVQuant Date : 11/12/2025 4:48 pm

Compound #11: 1260-3



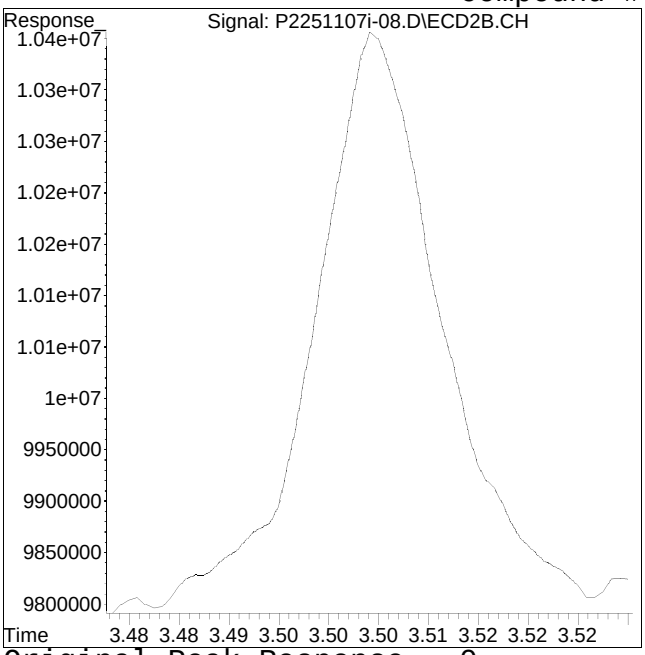


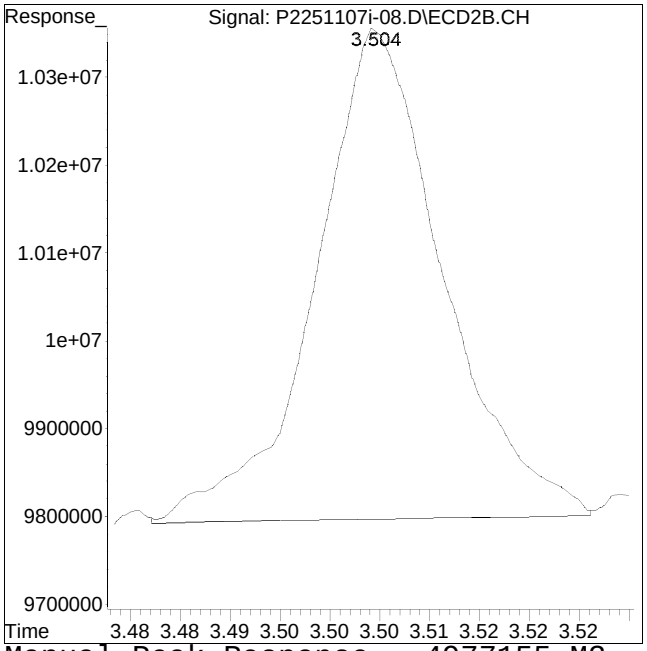
Original Peak Response = 0 Manual Peak Response = 2423209 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-08.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:31 Instrument : Pest 2
Sample : il11660,42e,,pp 12222 L4RVQuant Date : 11/12/2025 4:48 pm

Compound #62: 1260-3 #2



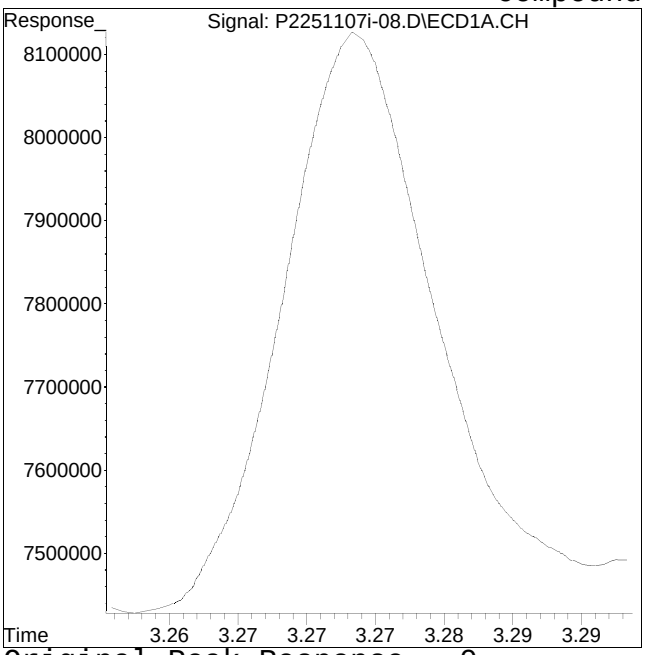


Original Peak Response = 0 Manual Peak Response = 4977155 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

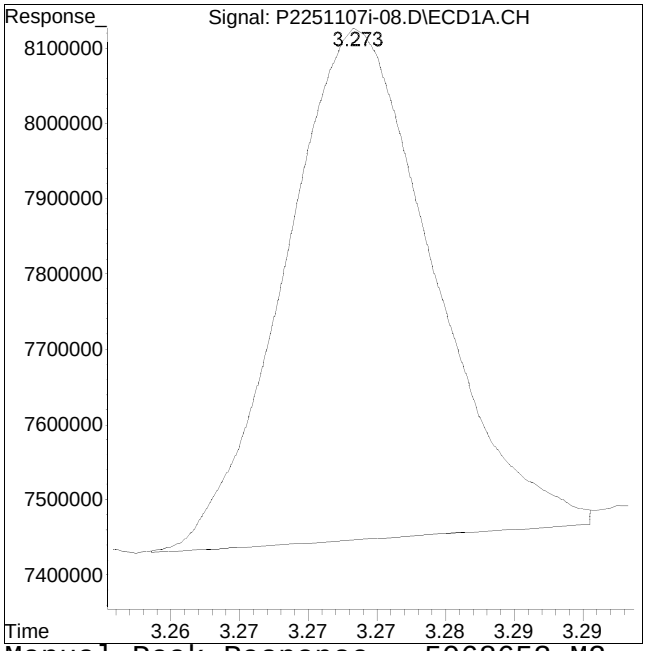
Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-08.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:31 Instrument : Pest 2
Sample : il11660,42e,,pp 12222 L4RVQuant Date : 11/12/2025 4:48 pm

Compound #12: 1260-4



Original Peak Response = 0



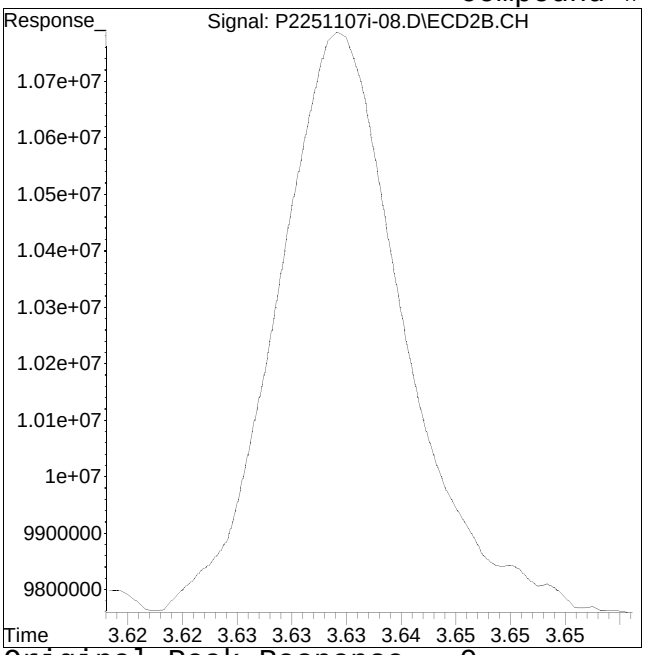
Manual Peak Response = 5068653 M2

M2 = Peak not found by automatic integration algorithm.

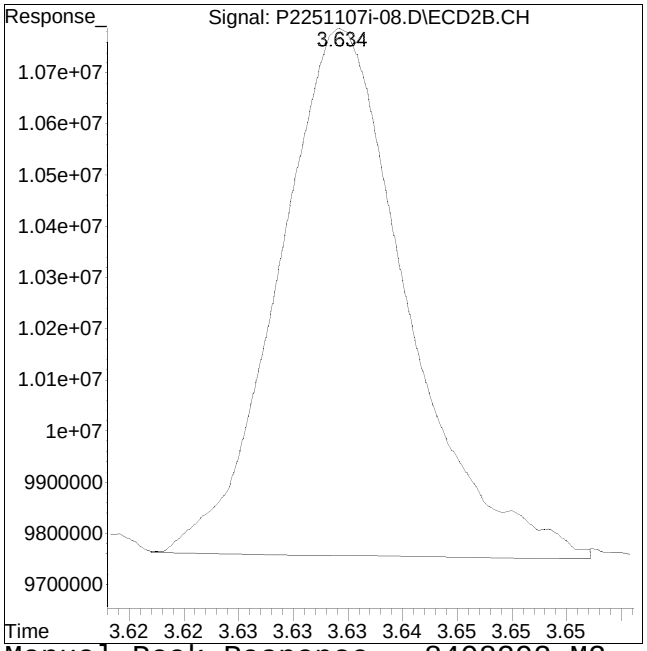
Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-08.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:31 Instrument : Pest 2
Sample : il11660,42e,,pp 12222 L4RVQuant Date : 11/12/2025 4:48 pm

Compound #63: 1260-4 #2



Original Peak Response = 0



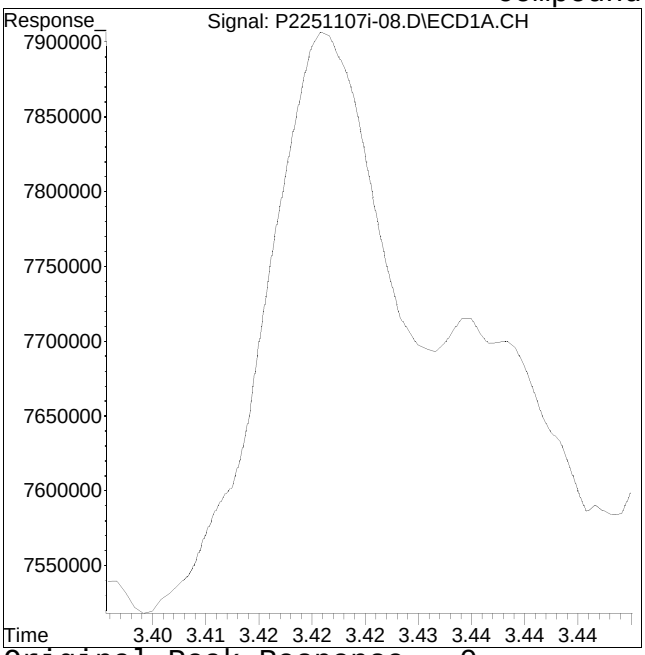
Manual Peak Response = 8408292 M2

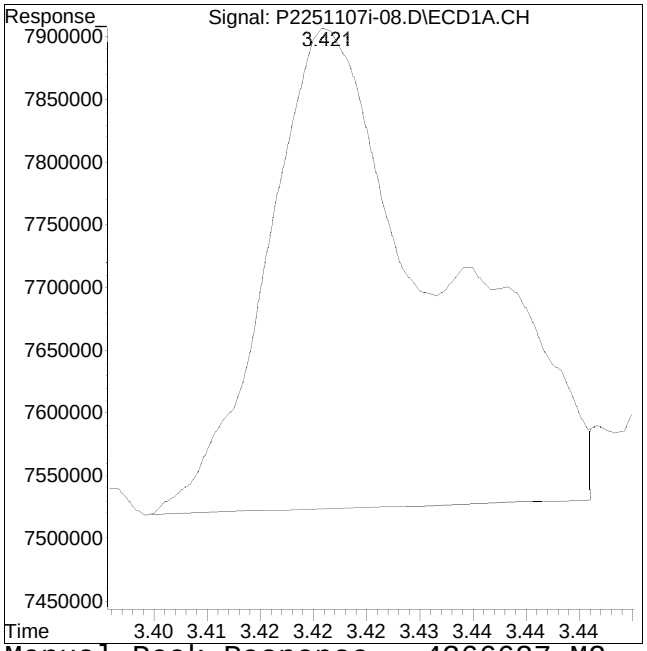
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-08.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:31 Instrument : Pest 2
Sample : il11660,42e,,pp 12222 L4RVQuant Date : 11/12/2025 4:48 pm

Compound #13: 1260-5



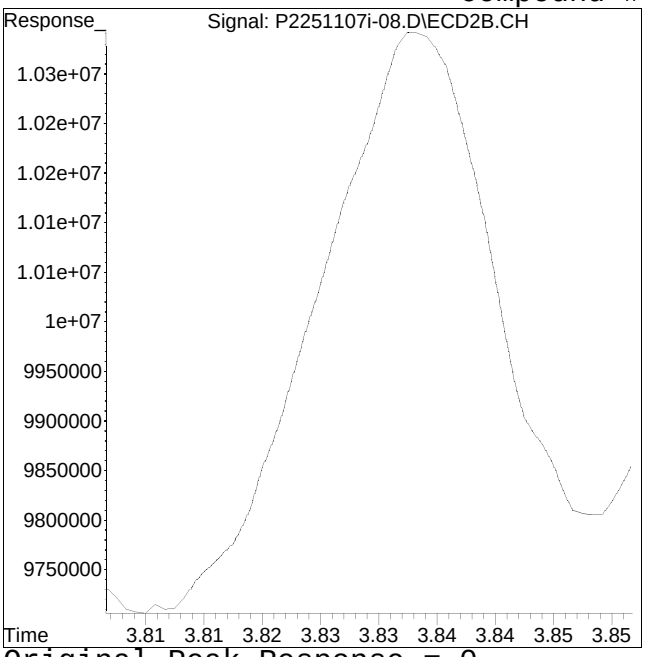


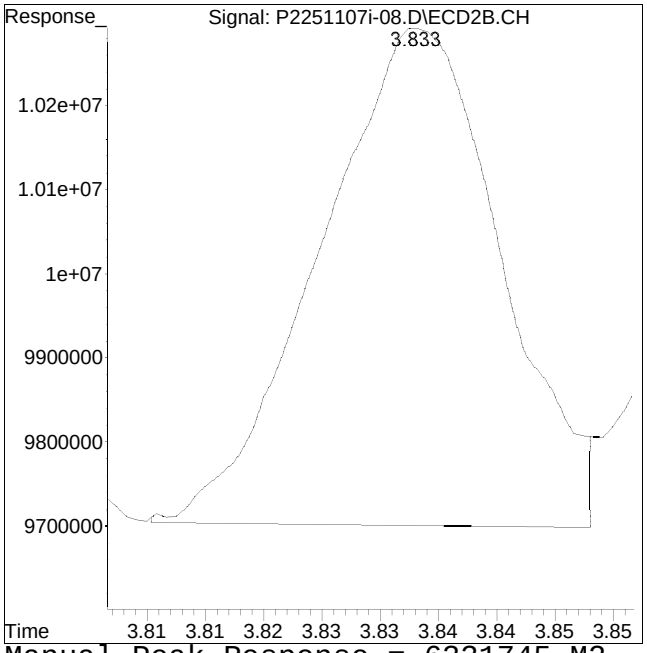
Original Peak Response = 0 Manual Peak Response = 4366627 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-08.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:31 Instrument : Pest 2
Sample : il11660,42e,,pp 12222 L4RVQuant Date : 11/12/2025 4:48 pm

Compound #64: 1260-5 #2





Original Peak Response = 0 Manual Peak Response = 6331745 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:40
Operator : pest2:sdc
Sample : il21660,42e,,pp 12222 L7RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:42:49 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:42:09 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.172	1.226	320.4E6	549.5E6	25.000M3	25.000M3
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.451	1.589	11179542	18423470	0.701	0.748M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		1.40%#	1.50%#
3) s	Decachlorobi	4.004	4.477	12195824	15739314	0.947	1.056M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		1.89%#	2.11%#
	Target Compounds						
4) l1	1016-1	1.588	1.783	1996895	3573306	7.603M2	8.572M2
5) l1	1016-2	1.727	1.951	5096111	7278430	7.852M2	7.419M2
6) l1	1016-3	1.914	2.149	9007033	15673996	7.210M2	8.134M3
7) l1	1016-4	1.968	2.208	3640816	6411264	6.877M2	8.382M2
8) l1	1016-5	2.136	2.415	4209736	5103164	7.999M2	8.571M2
	Sum 1016-1			23950592	38040160	37.541	41.079
	Average 1016-1					7.508	8.216
9) l2	1260-1	2.675	3.016	5764669	8029334	7.512M2	6.979M2
10) l2	1260-2	2.805	3.118	8820117	10059320	7.341M2	7.718M3

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:40
Operator : pest2:sdc
Sample : il21660,42e,,pp 12222 L7RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:42:49 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:42:09 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) l2	1260-3	3.118	3.505	3947501	8044827	6.432M2	8.692M3
12) l2	1260-4	3.273	3.634	8888390	13928337	6.681M3	8.197M3
13) l2	1260-5	3.421	3.833	7302409	9351594	7.239M2	7.473M3
Sum	1260-1			34723086	49413411	NoCal	NoCal D
Average	1260-1					7.041	7.812
15) l3	1221-1	0.000	0.000	0	0	N.D.	N.D.
16) l3	1221-2	0.000	0.000	0	0	N.D.	N.D.
17) l3	1221-3	0.000	0.000	0	0	N.D.	N.D.
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D.	N.D.
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D.	N.D.
21) l4	1254-4	0.000	0.000	0	0	N.D.	N.D.
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D.	N.D.
25) l6	1242-2	0.000	0.000	0	0	N.D.	N.D.
26) l6	1242-3	0.000	0.000	0	0	N.D.	N.D.
27) l6	1242-4	0.000	0.000	0	0	N.D.	N.D.
28) l6	1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:40
Operator : pest2:sdc
Sample : il21660,42e,,pp 12222 L7RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:42:49 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:42:09 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
30) l9	1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D.	N.D.
37) l7	1248-3	0.000	0.000	0	0	N.D.	N.D.
38) l7	1248-4	0.000	0.000	0	0	N.D.	N.D.
39) l7	1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D.	N.D.
42) l5	1232-2	0.000	0.000	0	0	N.D.	N.D.
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D.	N.D.
45) l5	1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D.	N.D.
48) l8	1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:40
Operator : pest2:sdc
Sample : il21660,42e,,pp 12222 L7RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:42:49 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:42:09 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

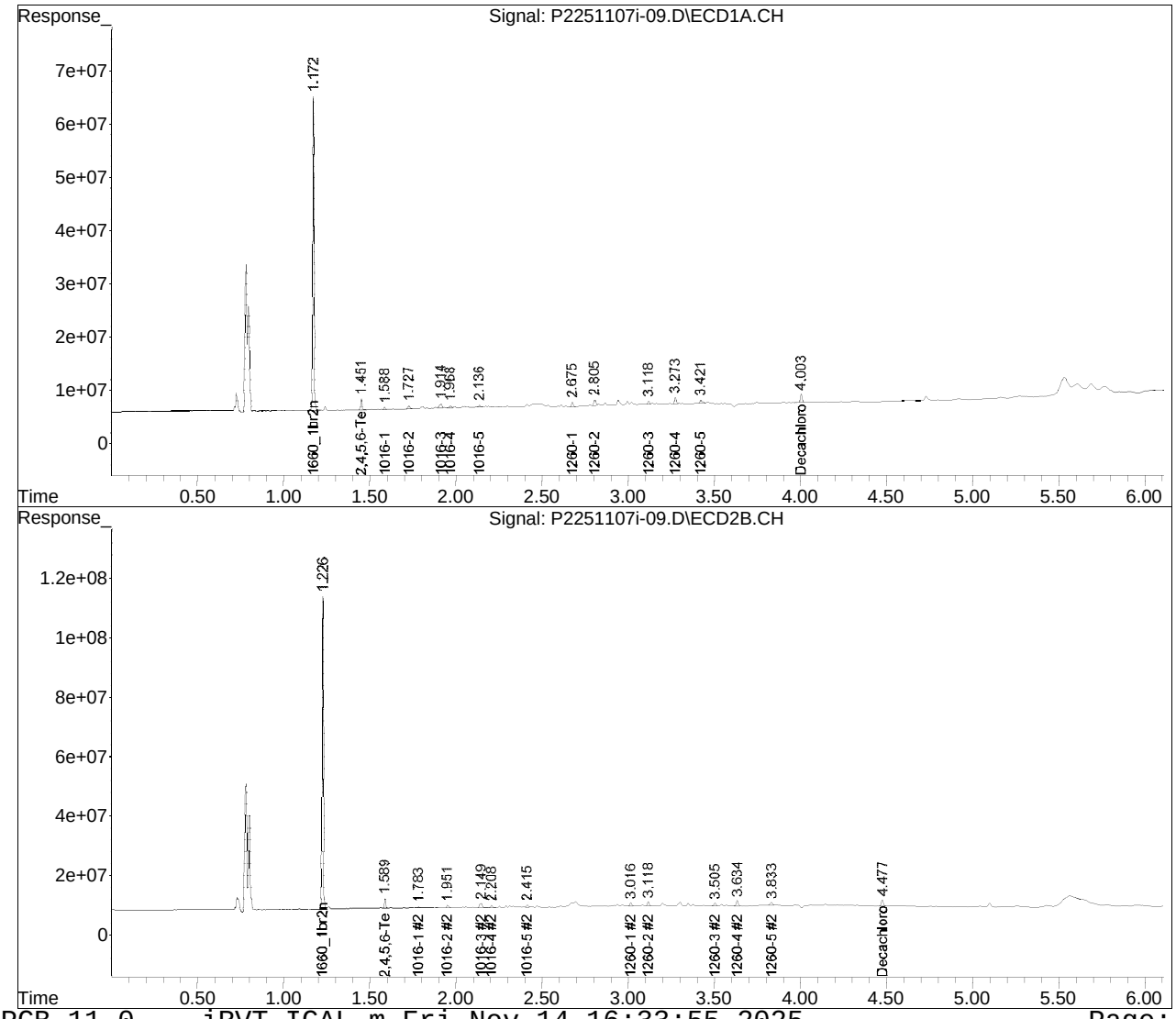
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:40
Operator : pest2:sdc
Sample : il21660,42e,,pp 12222 L7RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:42:49 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:42:09 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

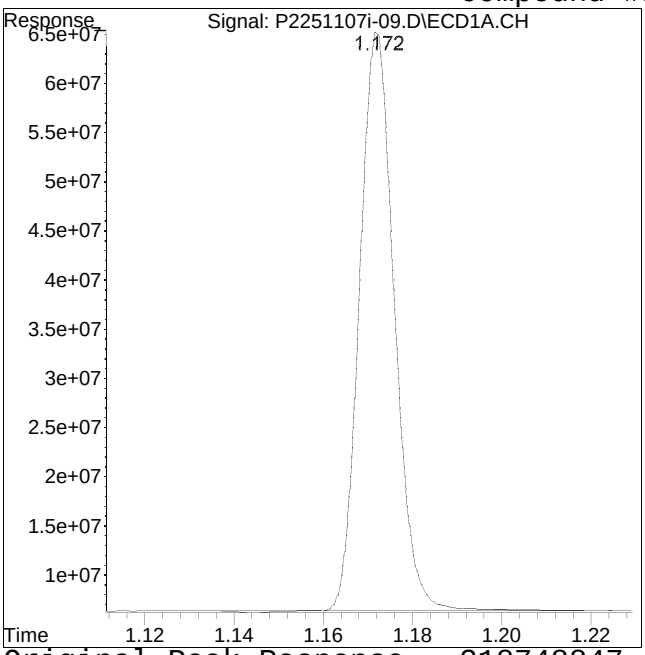
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

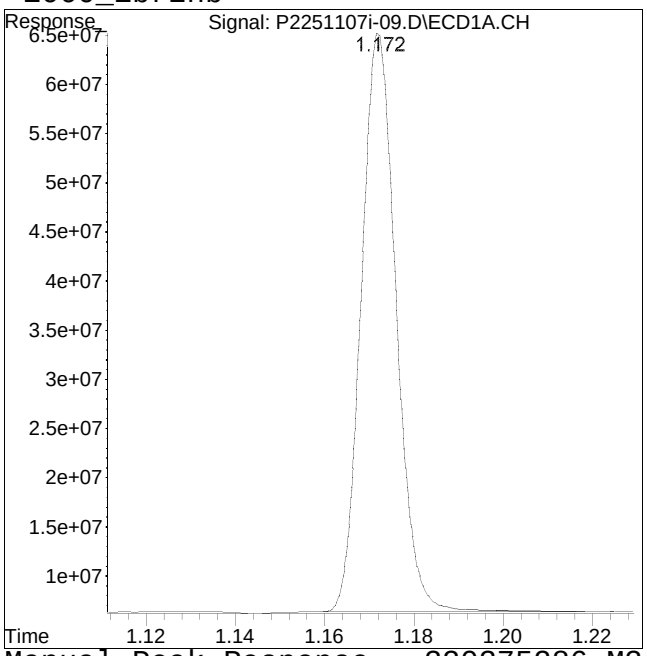


Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-09.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:40 Instrument : Pest 2
Sample : il21660,42e,,pp 12222 L7RVQuant Date : 11/12/2025 4:42 pm

Compound #1: 1660_1br2nb



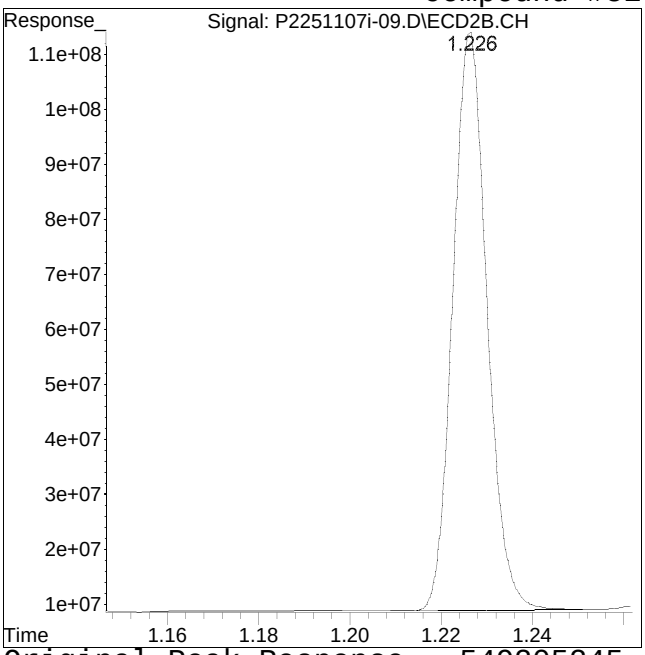


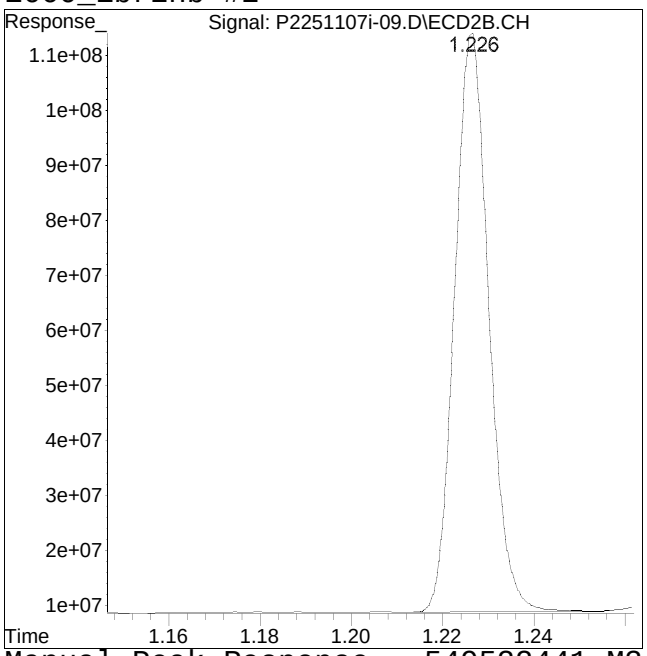
Original Peak Response = 318748847 Manual Peak Response = 320375286 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-09.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:40 Instrument : Pest 2
Sample : il21660,42e,,pp 12222 L7RVQuant Date : 11/12/2025 4:42 pm

Compound #52: 1660_1br2nb #2



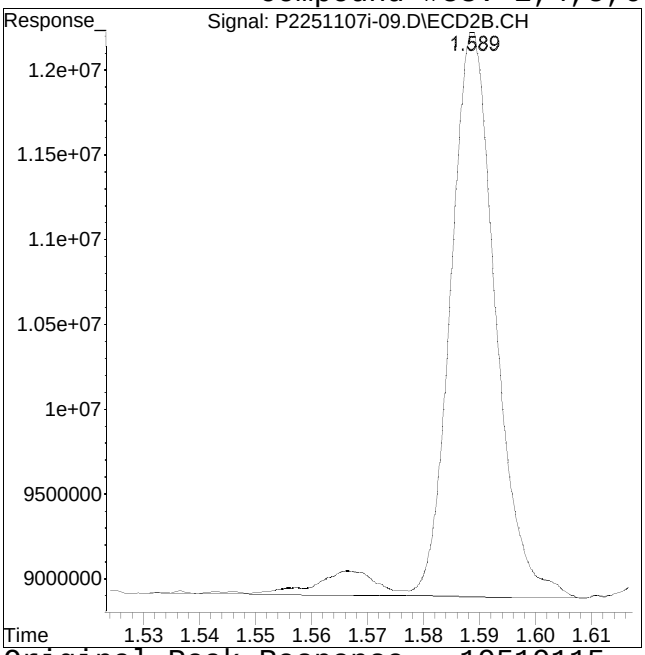


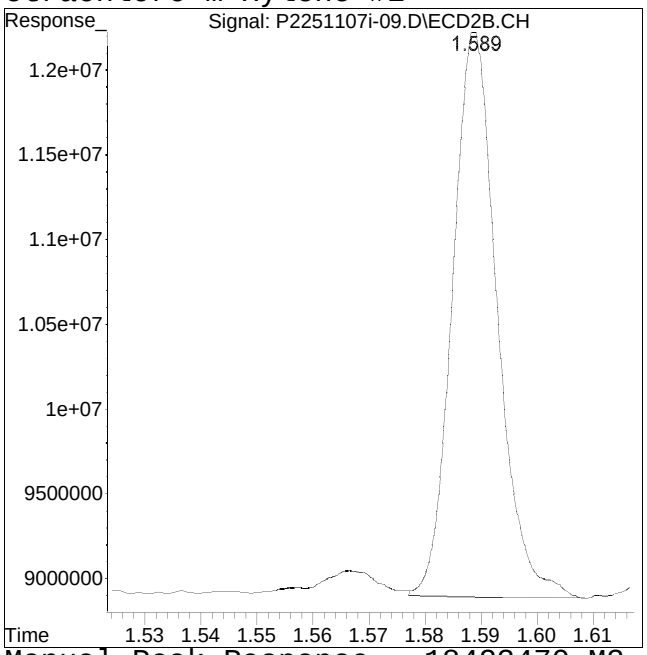
Original Peak Response = 549205245 Manual Peak Response = 549522441 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-09.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:40 Instrument : Pest 2
Sample : il21660,42e,,pp 12222 L7RVQuant Date : 11/12/2025 4:42 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



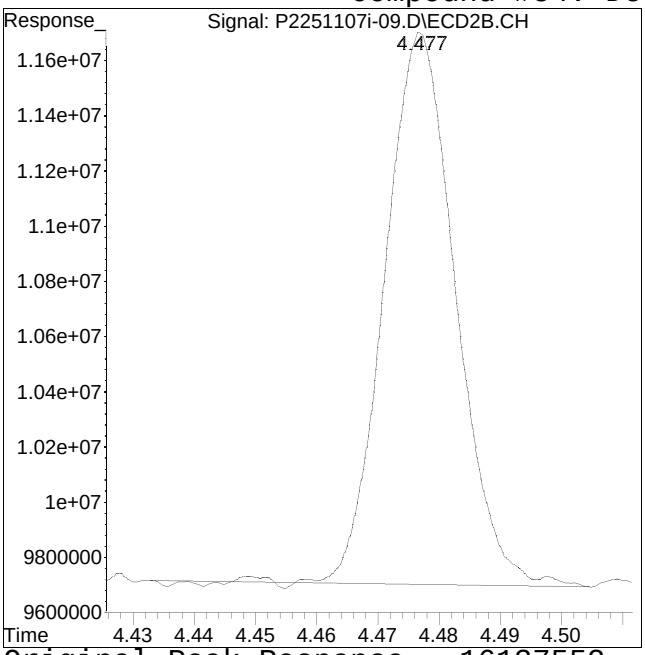


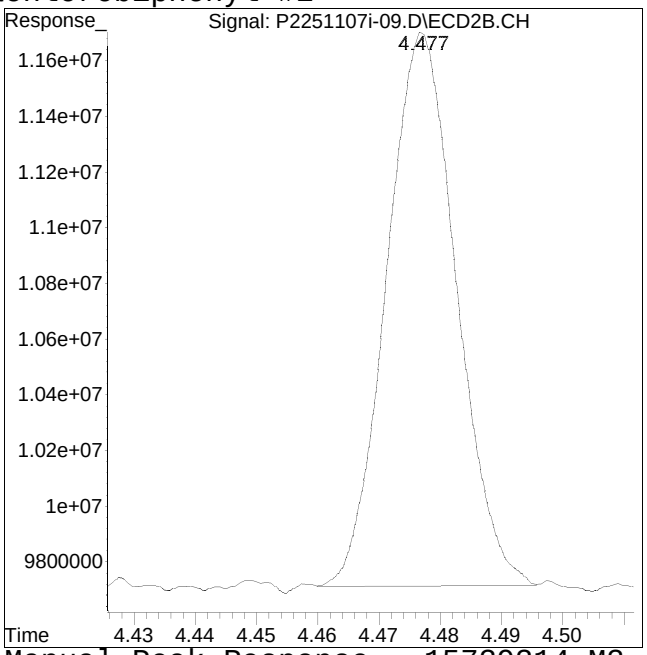
Original Peak Response = 19519115 Manual Peak Response = 18423470 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-09.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:40 Instrument : Pest 2
Sample : il21660,42e,,pp 12222 L7RVQuant Date : 11/12/2025 4:42 pm

Compound #54: Decachlorobiphenyl #2



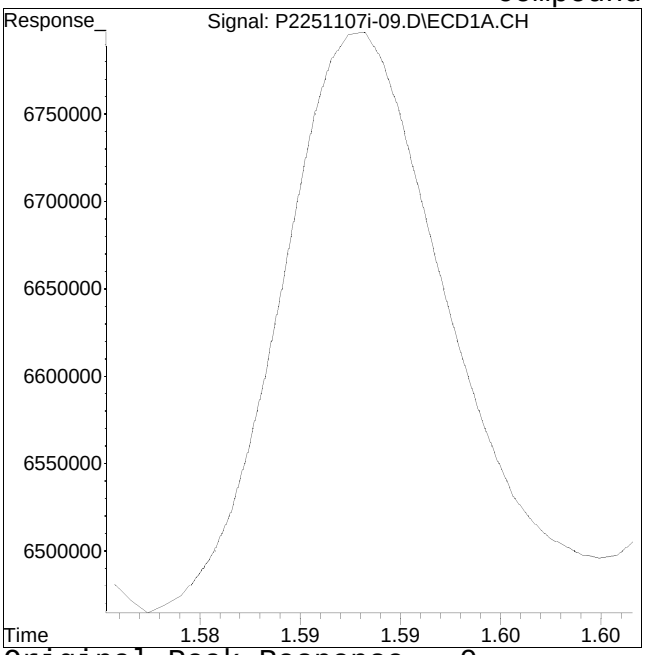


Original Peak Response = 16137552 Manual Peak Response = 15739314 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

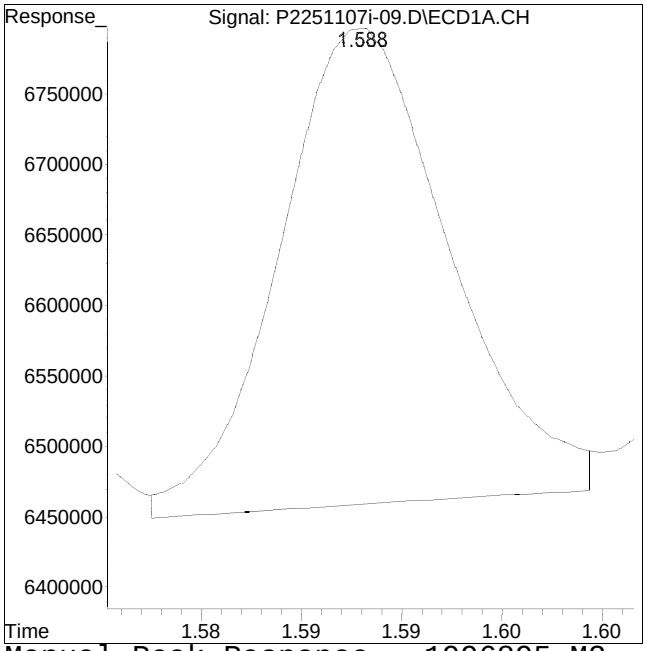
Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-09.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:40 Instrument : Pest 2
Sample : il21660,42e,,pp 12222 L7RVQuant Date : 11/12/2025 4:42 pm

Compound #4: 1016-1



Original Peak Response = 0



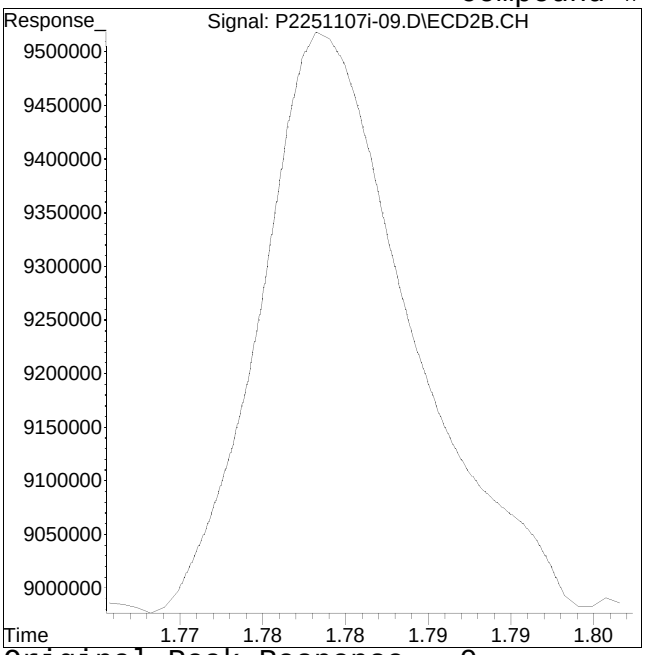
Manual Peak Response = 1996895 M2

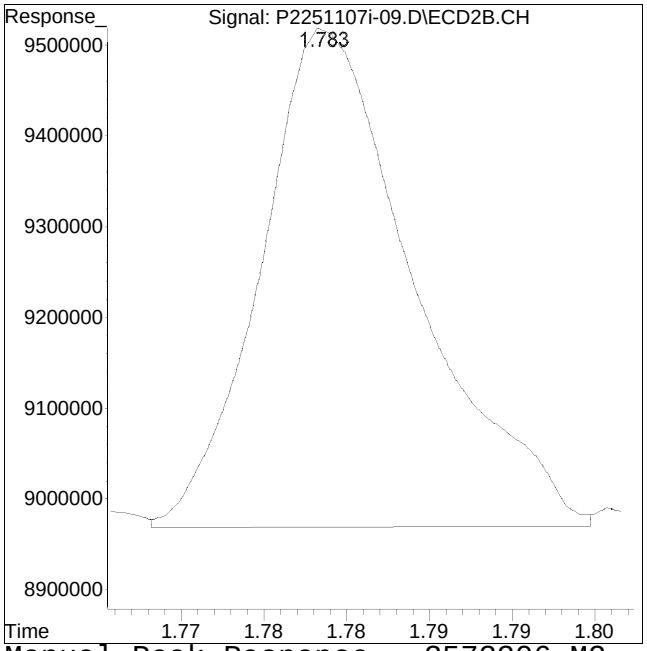
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-09.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:40 Instrument : Pest 2
Sample : il21660,42e,,pp 12222 L7RVQuant Date : 11/12/2025 4:42 pm

Compound #55: 1016-1 #2



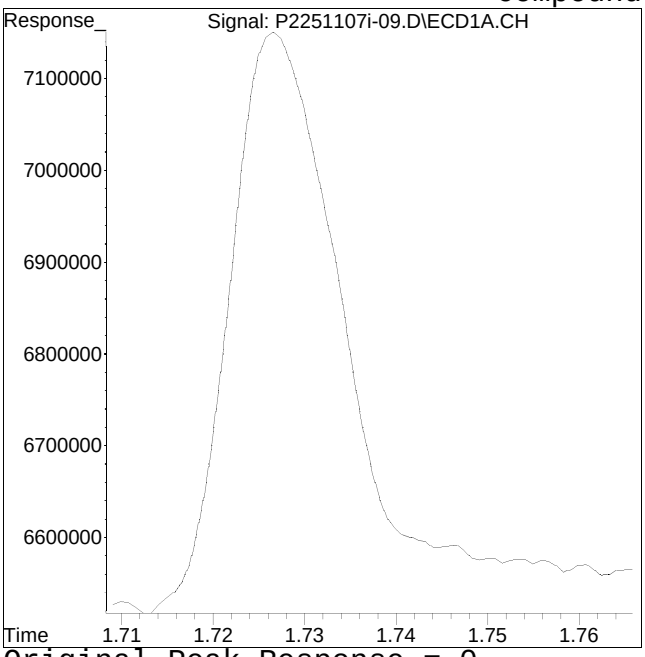


Original Peak Response = 0 Manual Peak Response = 3573306 M2
M2 = Peak not found by automatic integration algorithm.

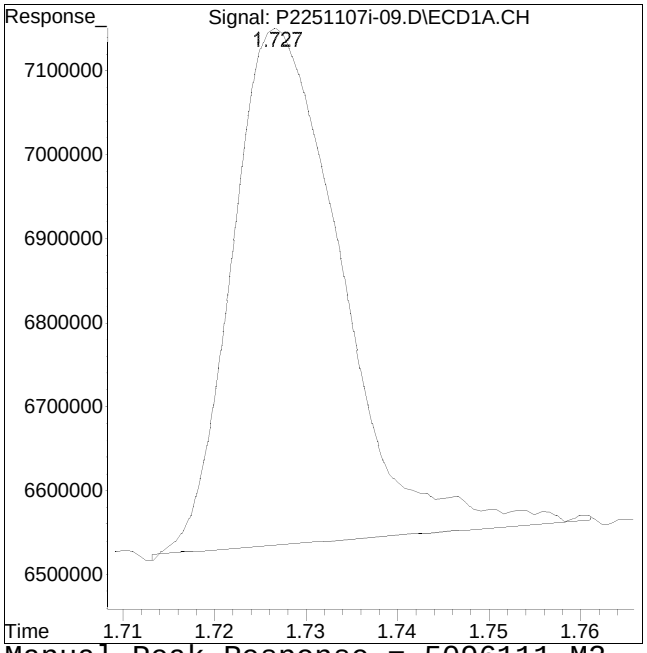
Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-09.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:40 Instrument : Pest 2
Sample : il21660,42e,,pp 12222 L7RVQuant Date : 11/12/2025 4:42 pm

Compound #5: 1016-2



Original Peak Response = 0



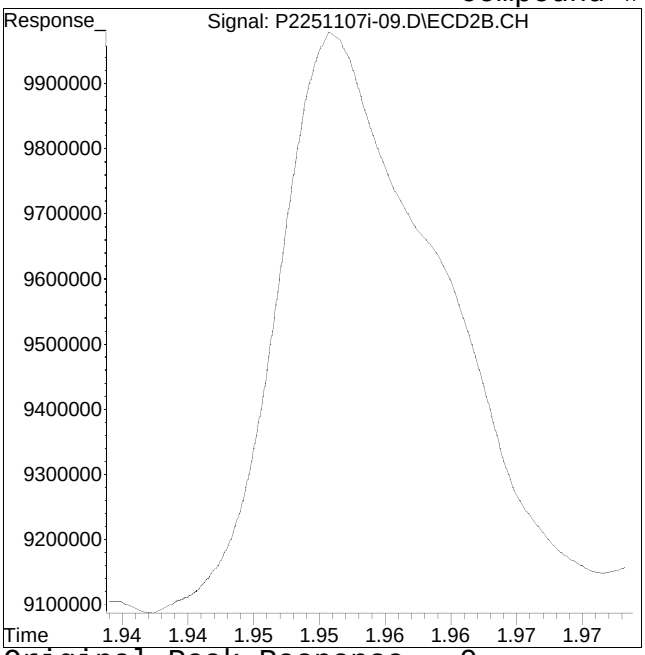
Manual Peak Response = 5096111 M2

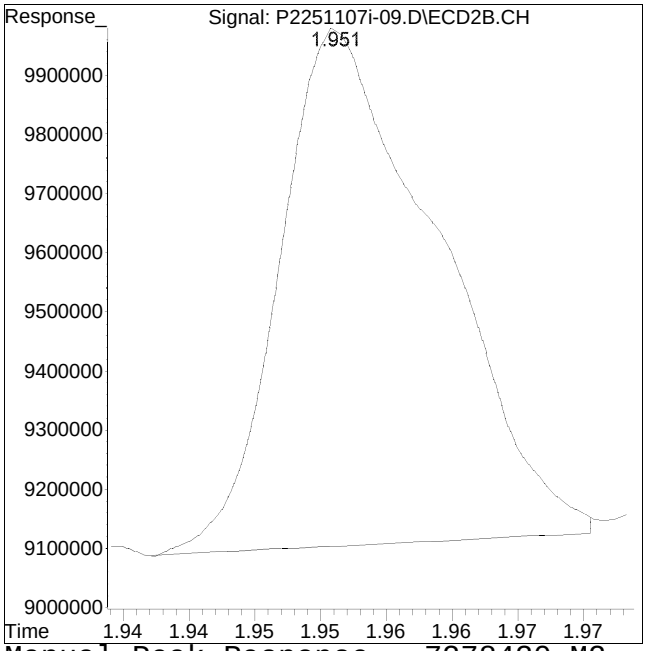
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-09.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:40 Instrument : Pest 2
Sample : il21660,42e,,pp 12222 L7RVQuant Date : 11/12/2025 4:42 pm

Compound #56: 1016-2 #2



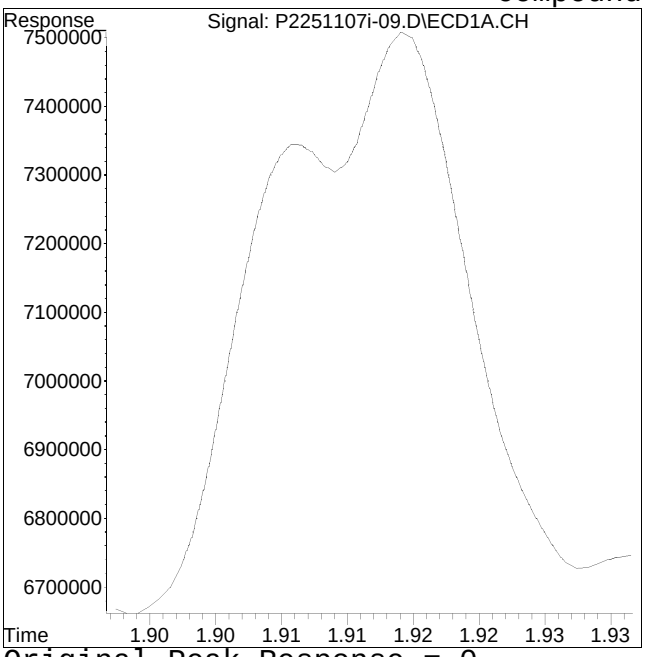


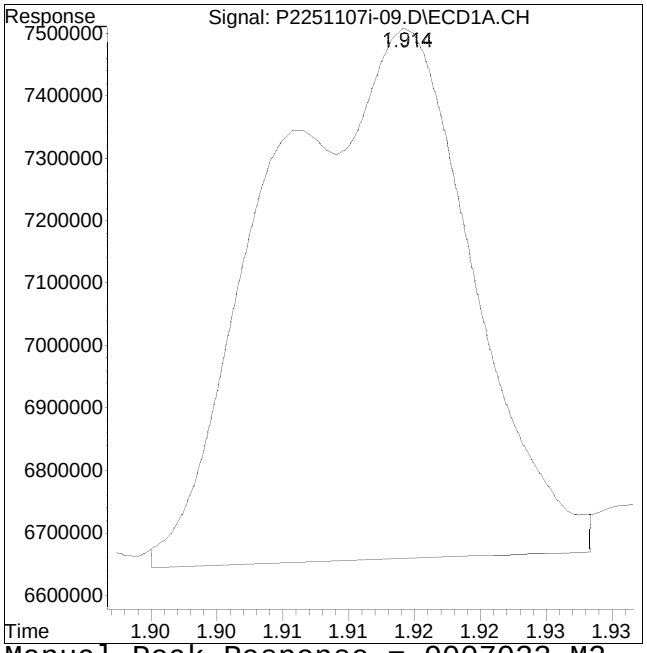
Original Peak Response = 0 Manual Peak Response = 7278430 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-09.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:40 Instrument : Pest 2
Sample : il21660,42e,,pp 12222 L7RVQuant Date : 11/12/2025 4:42 pm

Compound #6: 1016-3



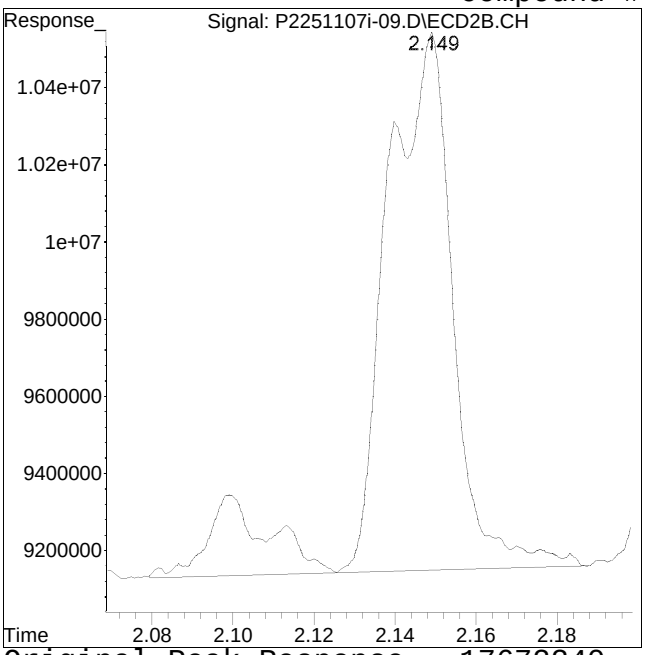


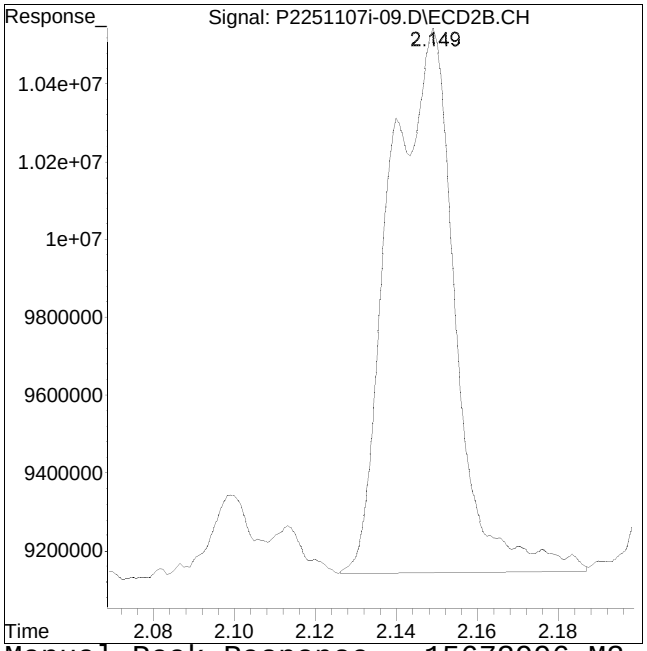
Original Peak Response = 0 Manual Peak Response = 9007033 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-09.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:40 Instrument : Pest 2
Sample : il21660,42e,,pp 12222 L7RVQuant Date : 11/12/2025 4:42 pm

Compound #57: 1016-3 #2



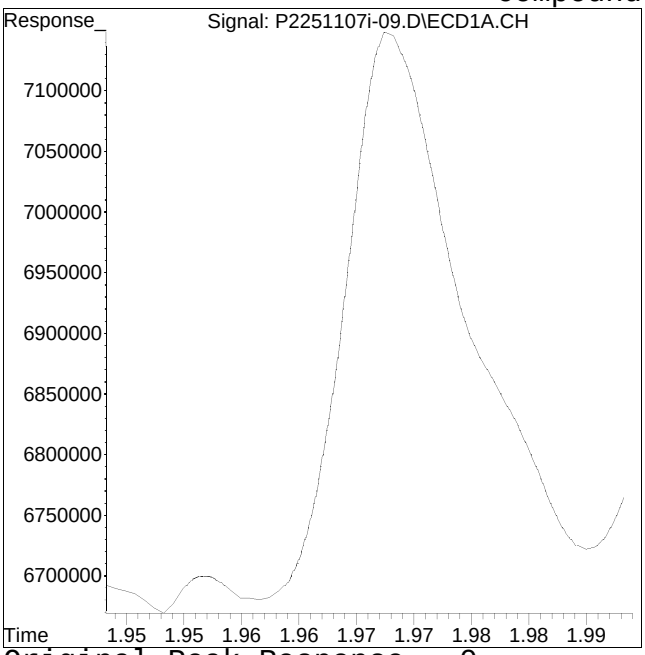


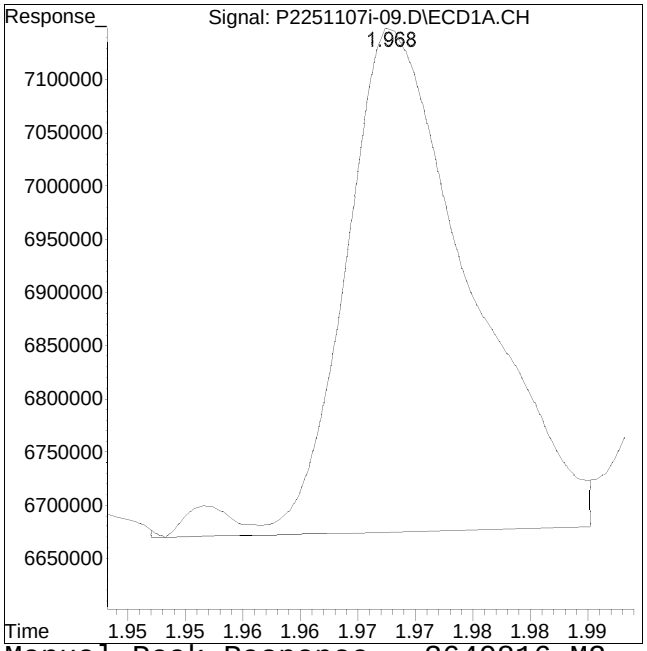
Original Peak Response = 17672240 Manual Peak Response = 15673996 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-09.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:40 Instrument : Pest 2
Sample : il21660,42e,,pp 12222 L7RVQuant Date : 11/12/2025 4:42 pm

Compound #7: 1016-4



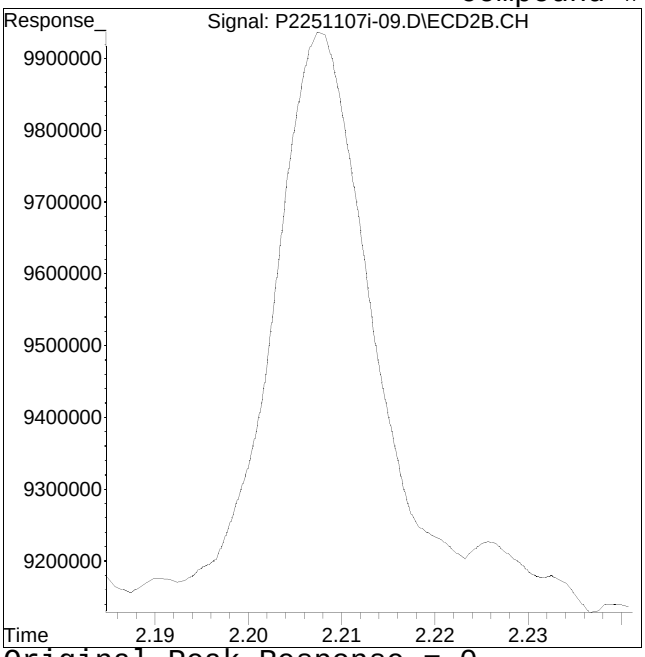


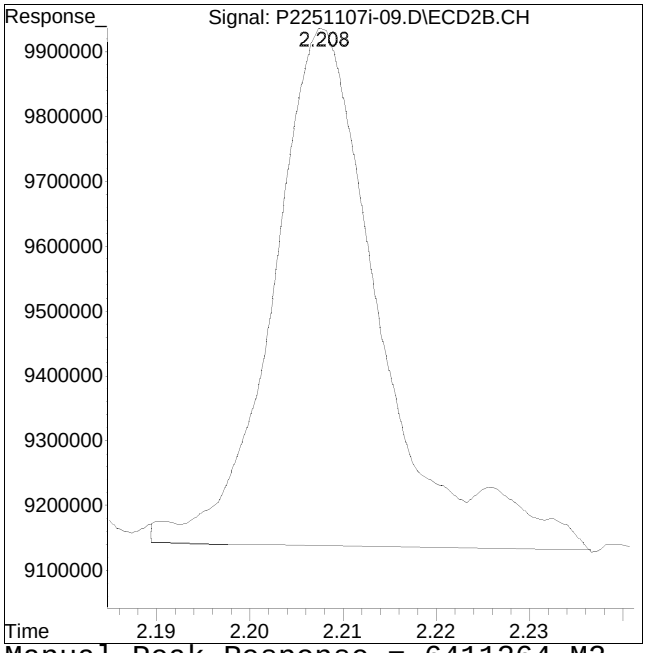
Original Peak Response = 0 Manual Peak Response = 3640816 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-09.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:40 Instrument : Pest 2
Sample : il21660,42e,,pp 12222 L7RVQuant Date : 11/12/2025 4:42 pm

Compound #58: 1016-4 #2



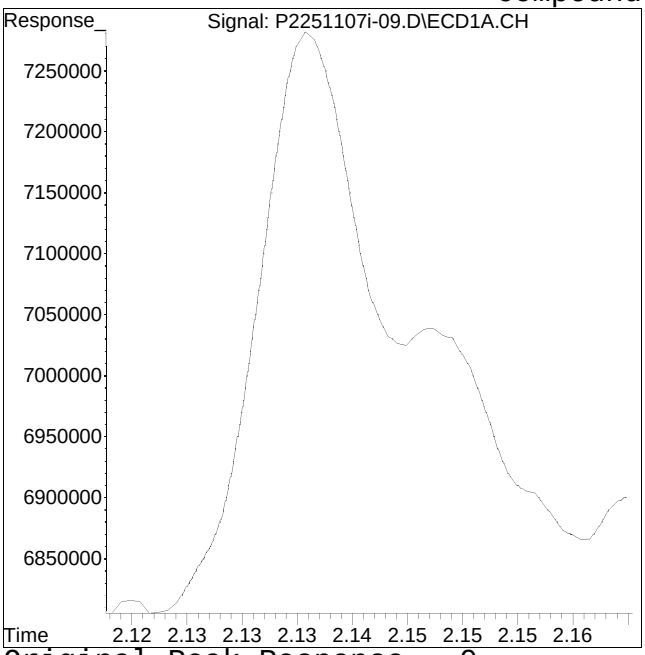


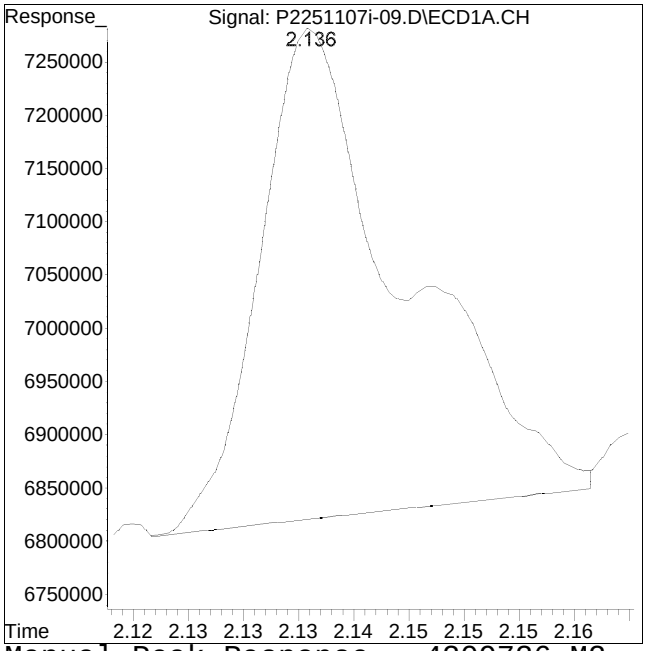
Original Peak Response = 0 Manual Peak Response = 6411264 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-09.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:40 Instrument : Pest 2
Sample : il21660,42e,,pp 12222 L7RVQuant Date : 11/12/2025 4:42 pm

Compound #8: 1016-5



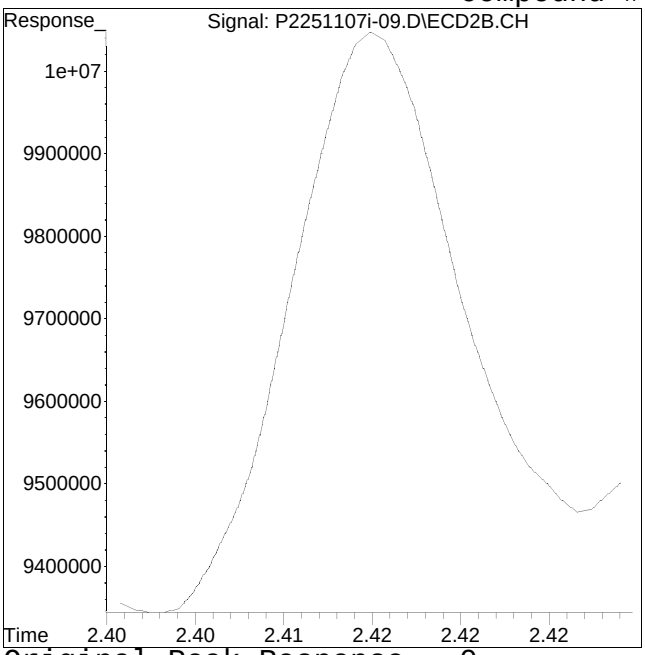


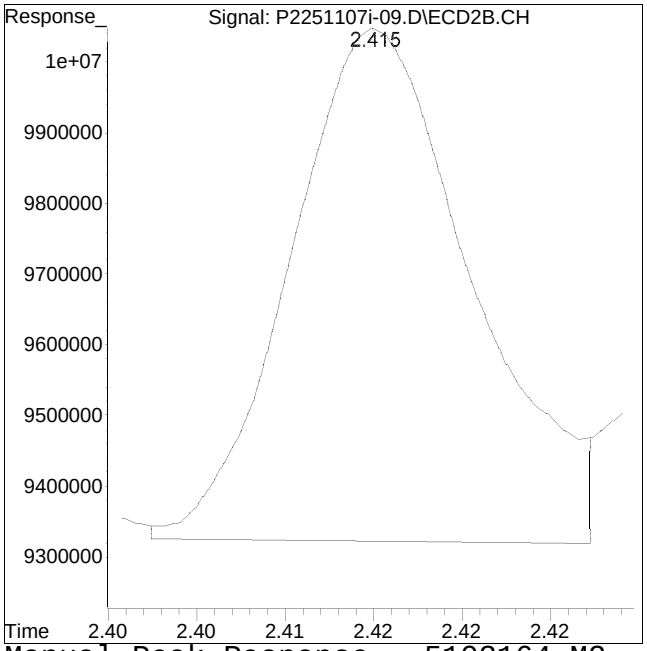
Original Peak Response = 0 Manual Peak Response = 4209736 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-09.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:40 Instrument : Pest 2
Sample : il21660,42e,,pp 12222 L7RVQuant Date : 11/12/2025 4:42 pm

Compound #59: 1016-5 #2



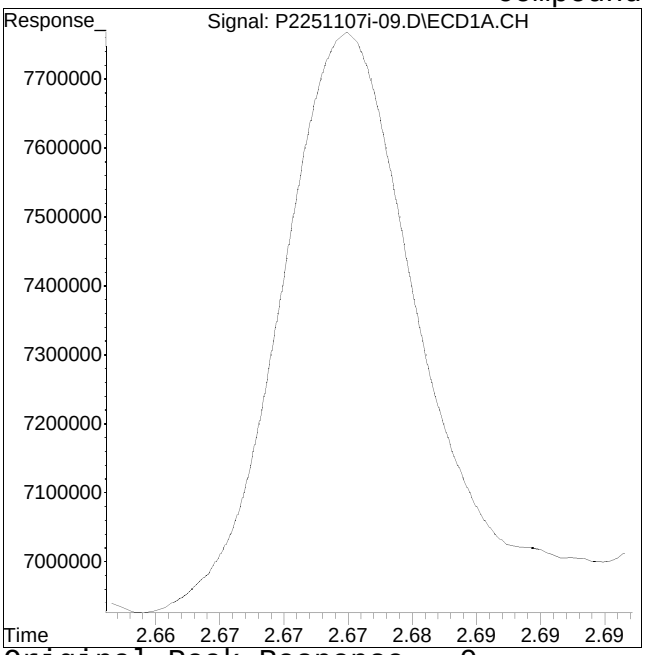


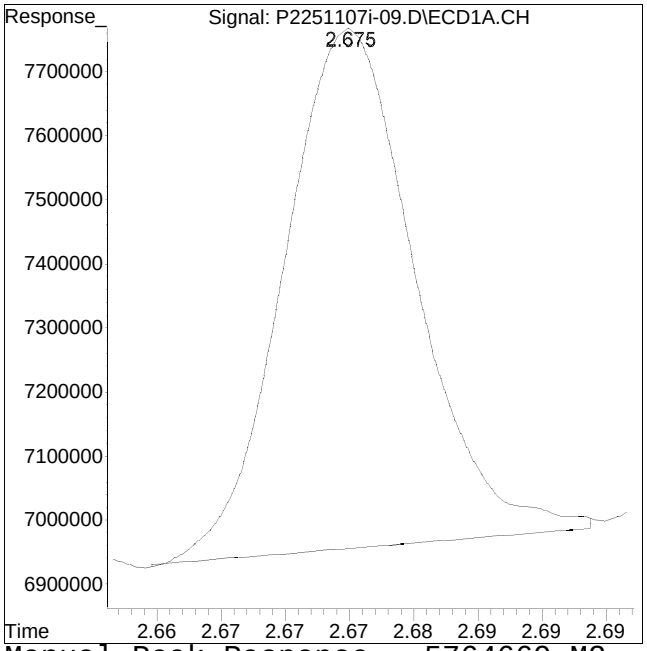
Original Peak Response = 0 Manual Peak Response = 5103164 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-09.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:40 Instrument : Pest 2
Sample : il21660,42e,,pp 12222 L7RVQuant Date : 11/12/2025 4:42 pm

Compound #9: 1260-1



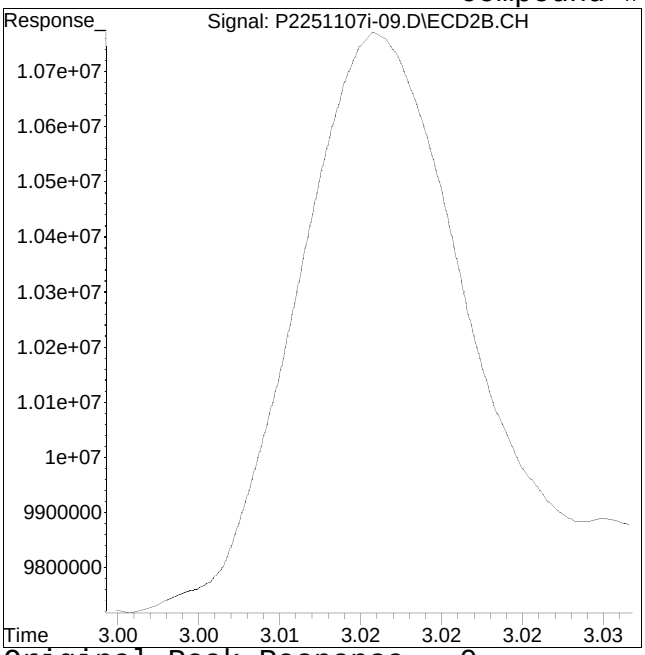


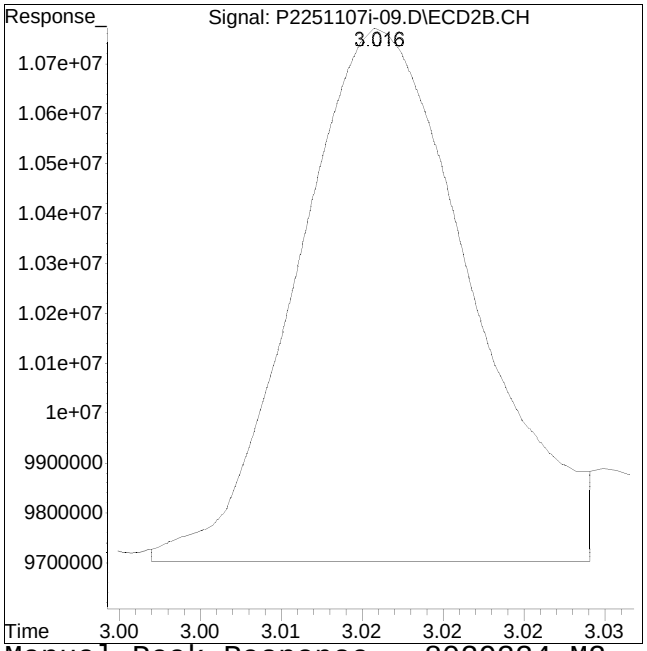
Original Peak Response = 0 Manual Peak Response = 5764669 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-09.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:40 Instrument : Pest 2
Sample : il21660,42e,,pp 12222 L7RVQuant Date : 11/12/2025 4:42 pm

Compound #60: 1260-1 #2



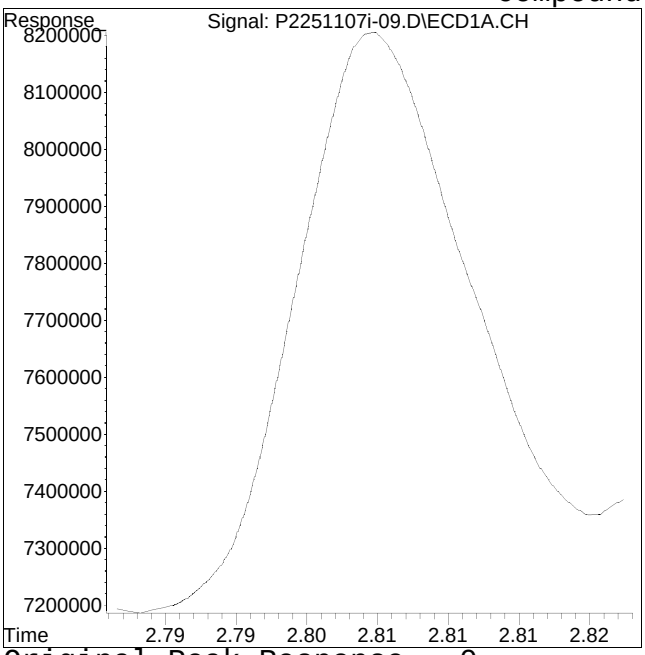


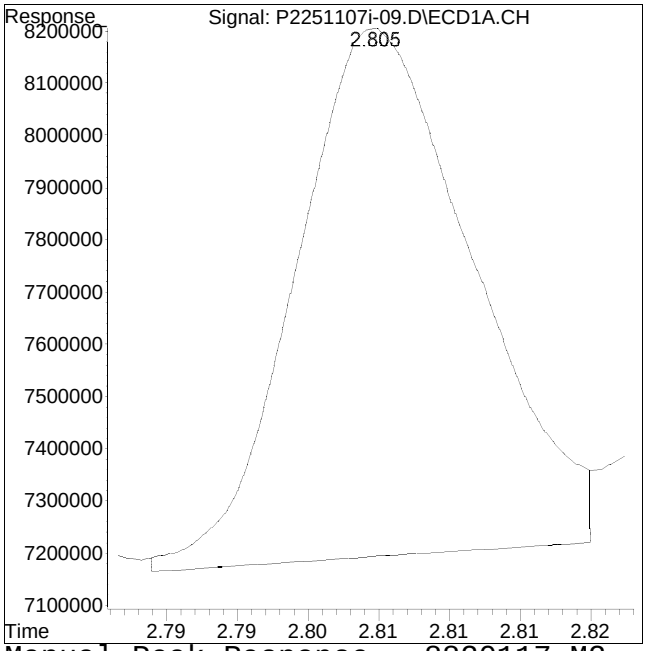
Original Peak Response = 0 Manual Peak Response = 8029334 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-09.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:40 Instrument : Pest 2
Sample : il21660,42e,,pp 12222 L7RVQuant Date : 11/12/2025 4:42 pm

Compound #10: 1260-2



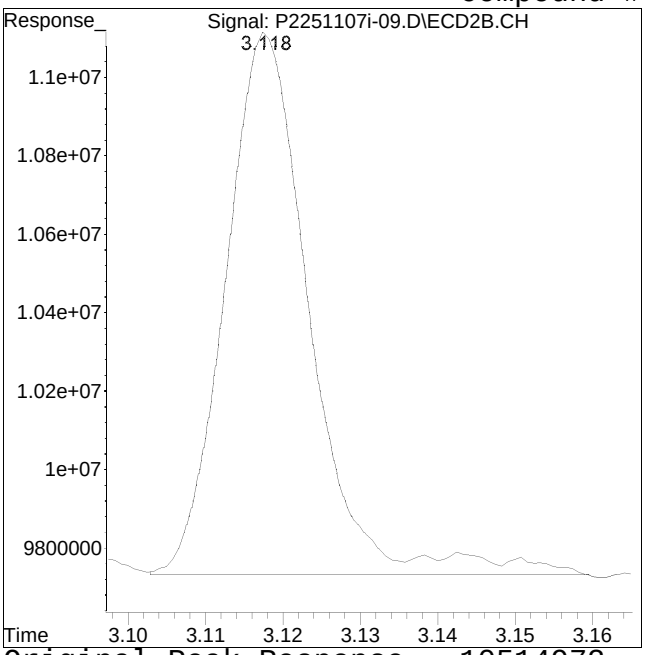


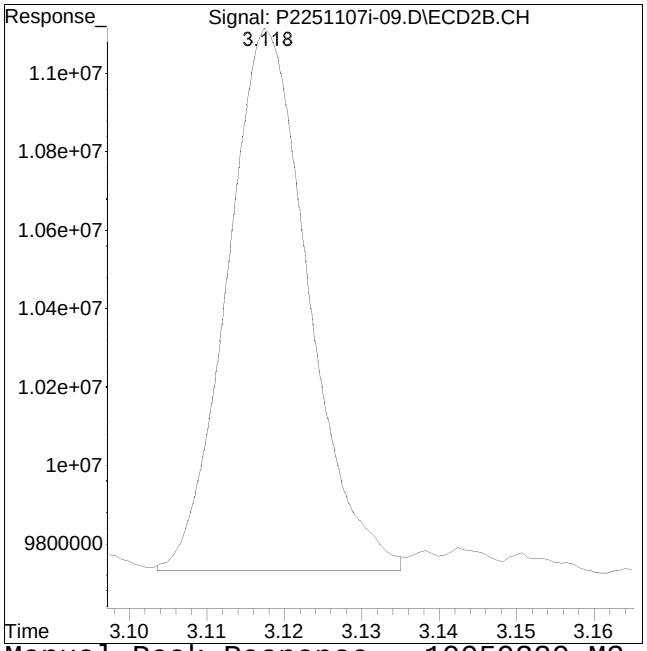
Original Peak Response = 0 Manual Peak Response = 8820117 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-09.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:40 Instrument : Pest 2
Sample : il21660,42e,,pp 12222 L7RVQuant Date : 11/12/2025 4:42 pm

Compound #61: 1260-2 #2



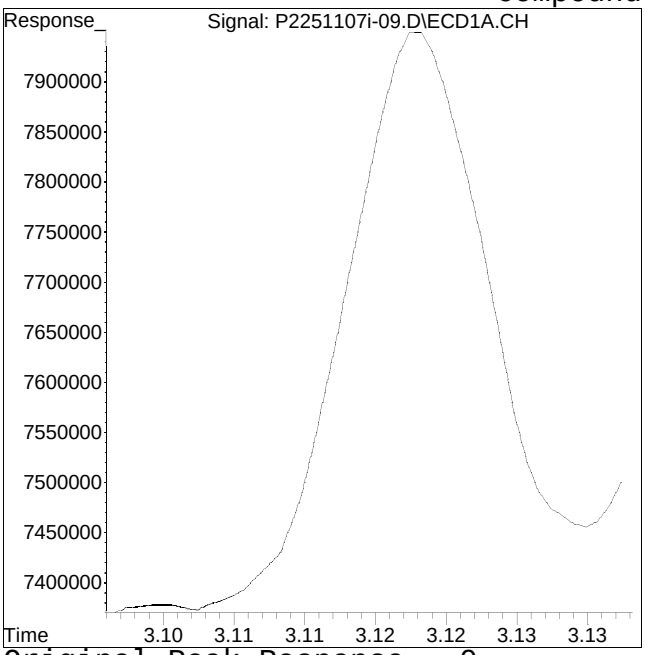


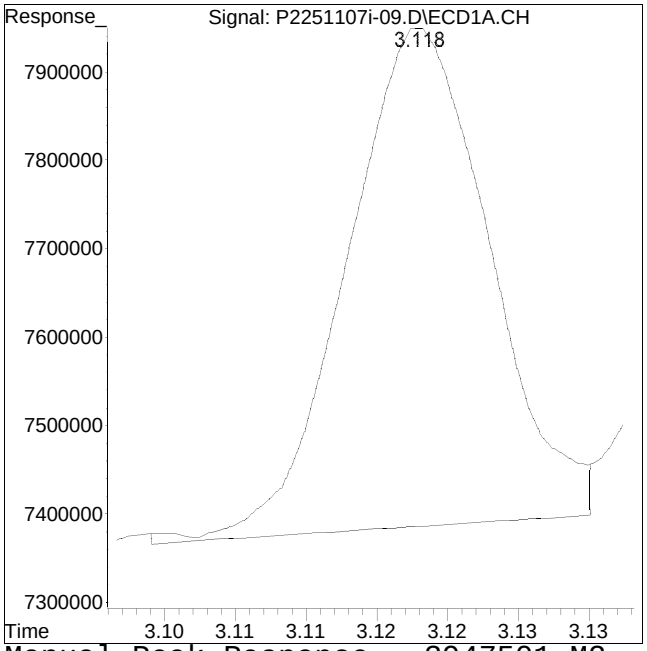
Original Peak Response = 10514972 Manual Peak Response = 10059320 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-09.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:40 Instrument : Pest 2
Sample : il21660,42e,,pp 12222 L7RVQuant Date : 11/12/2025 4:42 pm

Compound #11: 1260-3



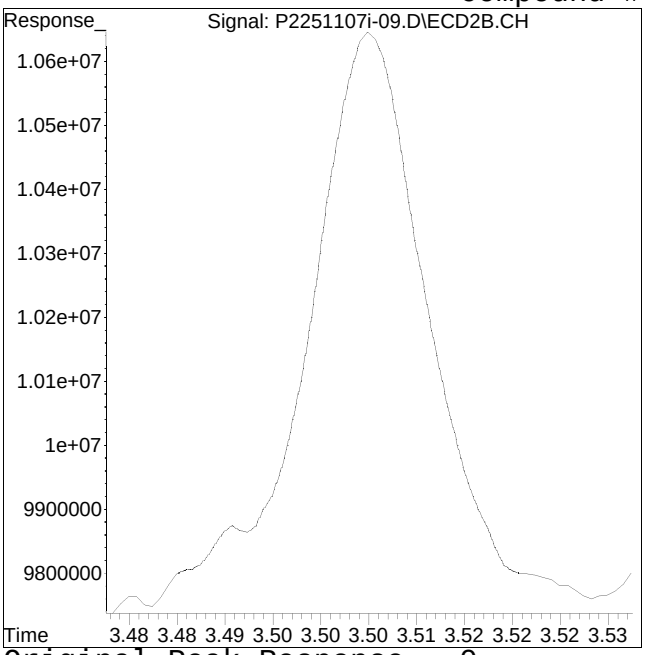


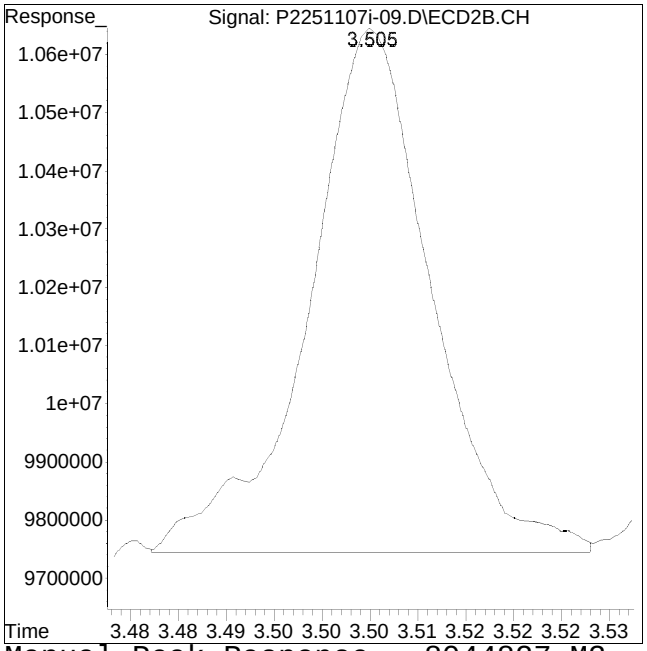
Original Peak Response = 0 Manual Peak Response = 3947501 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-09.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:40 Instrument : Pest 2
Sample : il21660,42e,,pp 12222 L7RVQuant Date : 11/12/2025 4:42 pm

Compound #62: 1260-3 #2



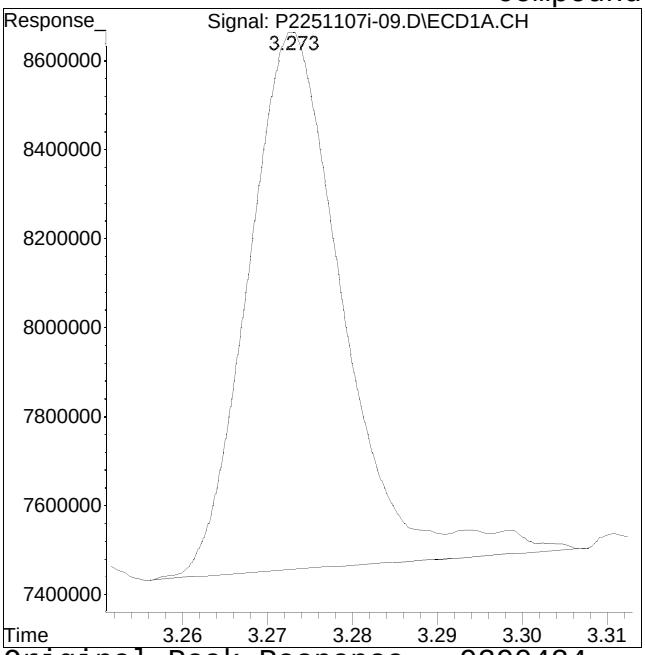


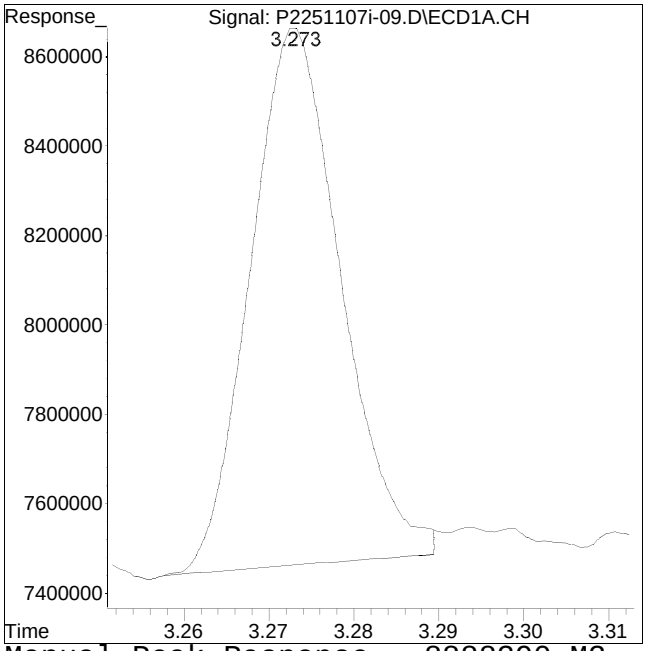
Original Peak Response = 0 Manual Peak Response = 8044827 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-09.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:40 Instrument : Pest 2
Sample : il21660,42e,,pp 12222 L7RVQuant Date : 11/12/2025 4:42 pm

Compound #12: 1260-4



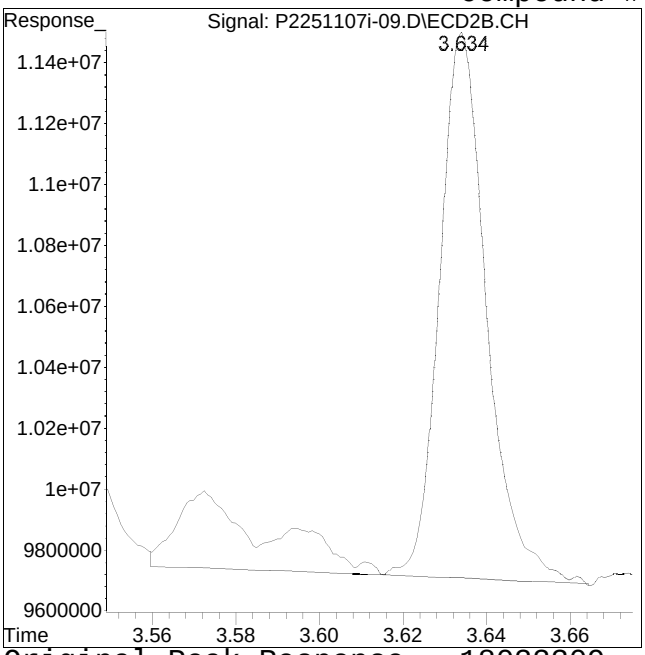


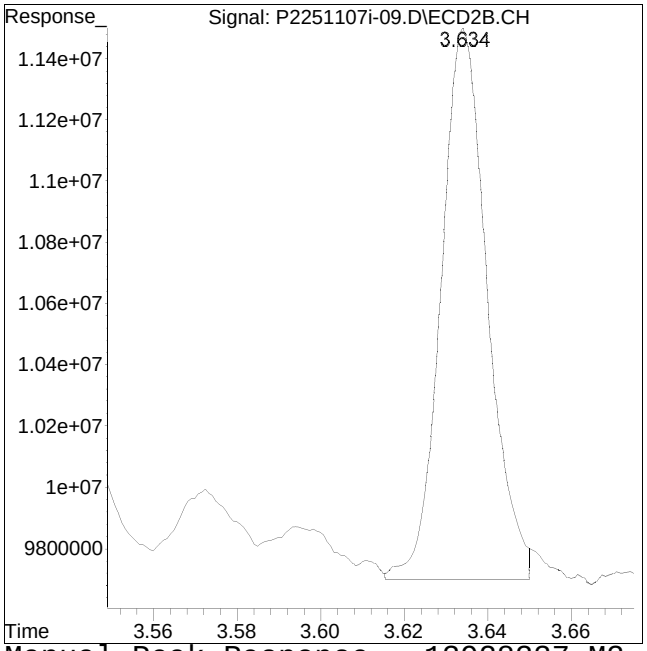
Original Peak Response = 9390424 Manual Peak Response = 8888390 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-09.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:40 Instrument : Pest 2
Sample : il21660,42e,,pp 12222 L7RVQuant Date : 11/12/2025 4:42 pm

Compound #63: 1260-4 #2



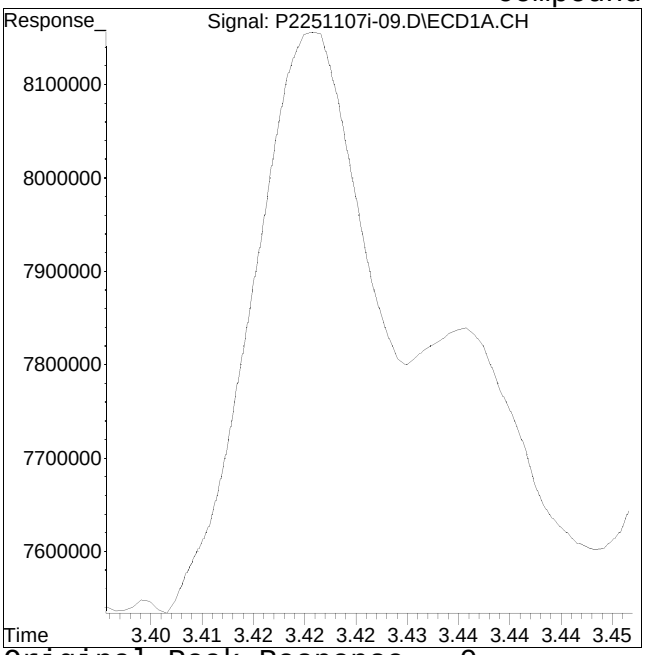


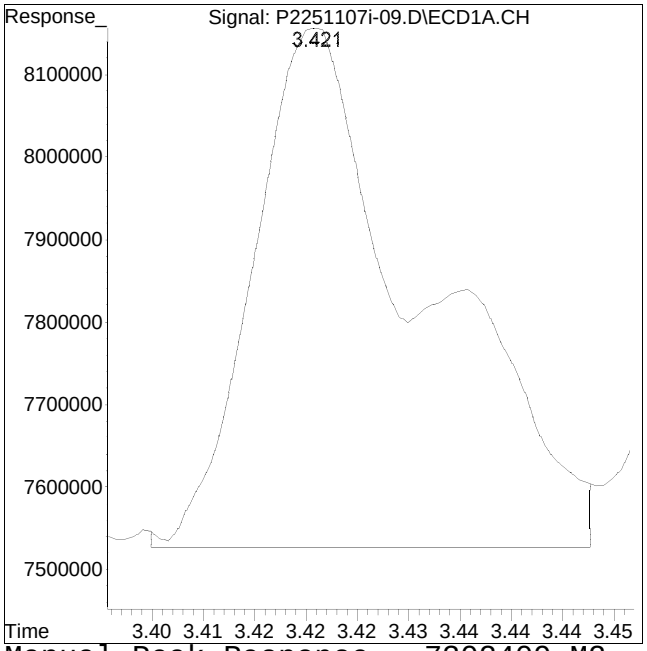
Original Peak Response = 18033309 Manual Peak Response = 13928337 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-09.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:40 Instrument : Pest 2
Sample : il21660,42e,,pp 12222 L7RVQuant Date : 11/12/2025 4:42 pm

Compound #13: 1260-5



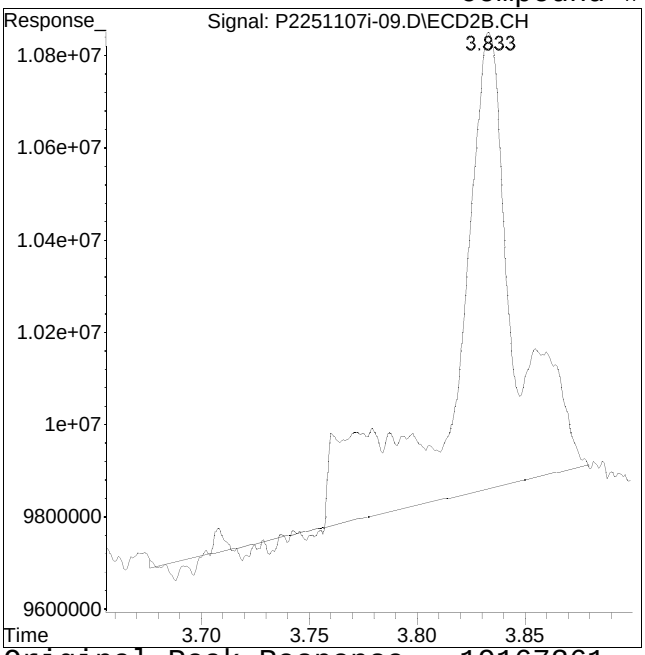


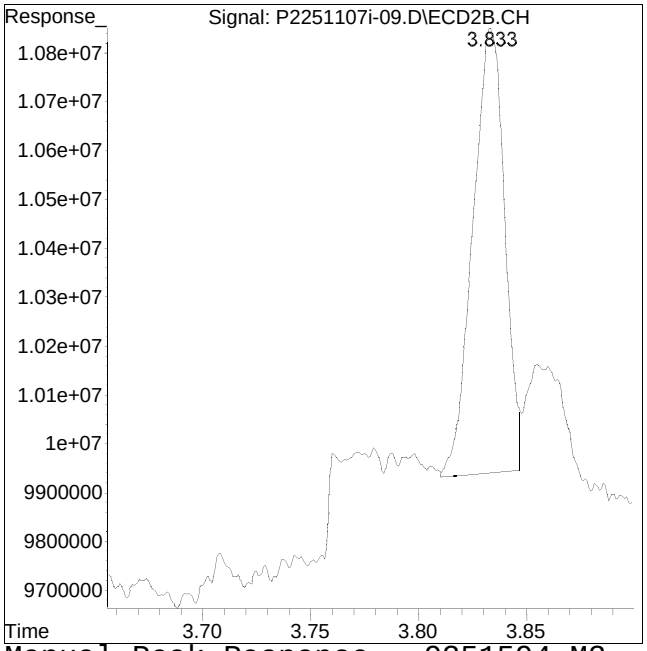
Original Peak Response = 0 Manual Peak Response = 7302409 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-09.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:40 Instrument : Pest 2
Sample : il21660,42e,,pp 12222 L7RVQuant Date : 11/12/2025 4:42 pm

Compound #64: 1260-5 #2





Original Peak Response = 19167261 Manual Peak Response = 9351594 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:48
Operator : pest2:sdc
Sample : il31660,42e,,pp 12222 L10RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:37:26 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:37:09 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.173	1.226	323.0E6	550.5E6	25.000M3	25.000M3
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.452	1.589	15043826	24225878	0.935	0.981M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		1.87%#	1.96%#
3) s	Decachlorobi	4.005	4.478	12959238	17056781	0.998	1.142M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		2.00%#	2.28%#
	Target Compounds						
4) l1	1016-1	1.589	1.784	2736465	4640565	10.360M2	11.112M3
5) l1	1016-2	1.728	1.951	6684875	10203311	10.202M2	10.297M2
6) l1	1016-3	1.915	2.149	12319303	20806599	9.771M2	10.762M3
7) l1	1016-4	1.969	2.209	5072755	8278064	9.467M2	10.801
8) l1	1016-5	2.137	2.415	5427780	6630611	10.158M2	11.154M2
	Sum 1016-1			32241177	50559150	49.957	54.126
	Average 1016-1					9.991	10.825
9) l2	1260-1	2.676	3.017	7534317	11990277	9.737M2	10.376M3
10) l2	1260-2	2.806	3.118	11462744	13901099	9.448M2	10.645

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:48
Operator : pest2:sdc
Sample : il31660,42e,,pp 12222 L10RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:37:26 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:37:09 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) l2	1260-3	3.119	3.505	5965018	10703468	9.702M2	11.531M3
12) l2	1260-4	3.274	3.635	12380894	19231364	9.230M2	11.293M3
13) l2	1260-5	3.422	3.834	9915326	13510573	9.780M2	10.762M3
Sum	1260-1			47258299	69336782	NoCal	NoCal D
Average	1260-1					9.579	10.921
15) l3	1221-1	0.000	0.000	0	0	N.D.	N.D.
16) l3	1221-2	0.000	0.000	0	0	N.D.	N.D.
17) l3	1221-3	0.000	0.000	0	0	N.D.	N.D.
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D.	N.D.
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D.	N.D.
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D.	N.D.
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D.	N.D.
28) l6	1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:48
Operator : pest2:sdc
Sample : il31660,42e,,pp 12222 L10RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:37:26 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:37:09 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
30) l9	1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D.	N.D.
37) l7	1248-3	0.000	0.000	0	0	N.D.	N.D.
38) l7	1248-4	0.000	0.000	0	0	N.D.	N.D.
39) l7	1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D.	N.D.
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:48
Operator : pest2:sdc
Sample : il31660,42e,,pp 12222 L10RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:37:26 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:37:09 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

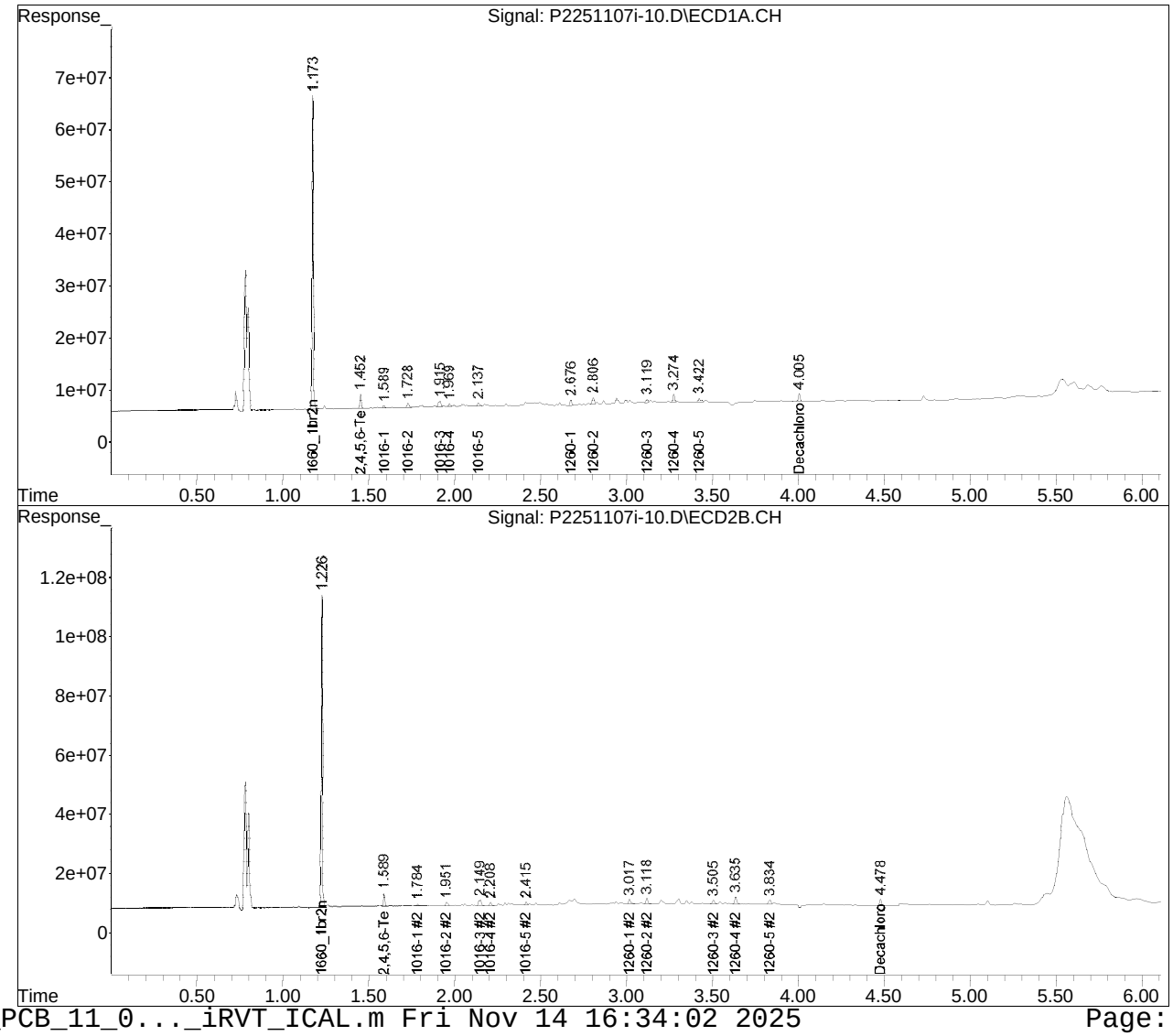
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:48
Operator : pest2:sdc
Sample : il31660,42e,,pp 12222 L10RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:37:26 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:37:09 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

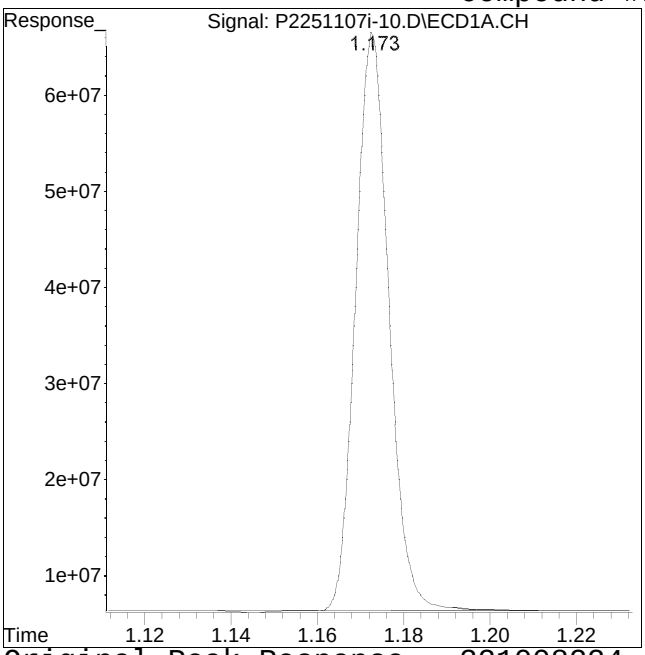
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

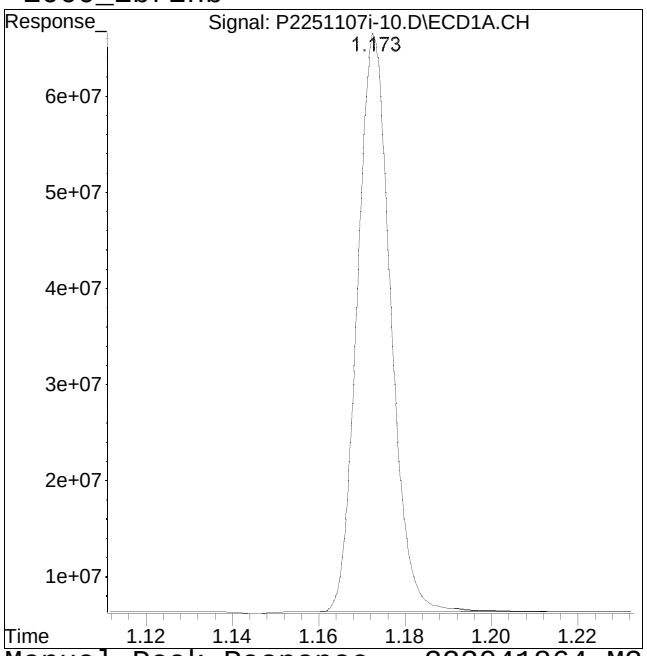


Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-10.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:48 Instrument : Pest 2
Sample : il31660,42e,,pp 12222 L10RQuant Date : 11/12/2025 4:37 pm

Compound #1: 1660_1br2nb



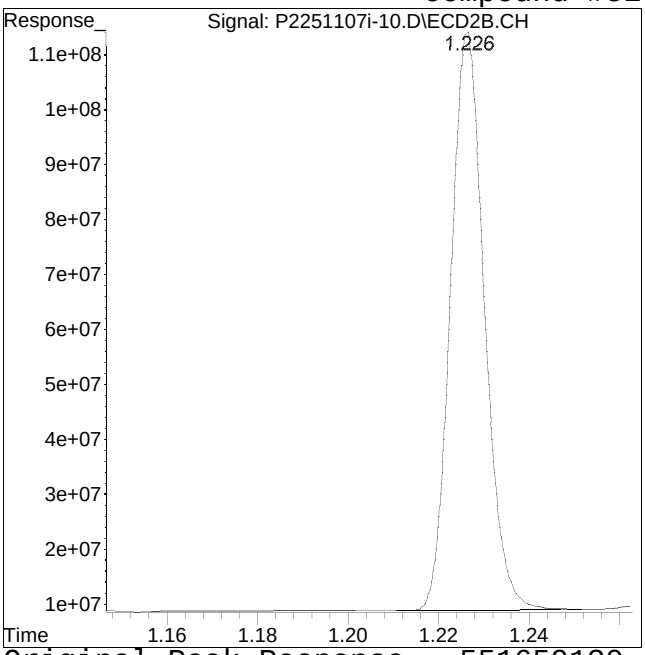


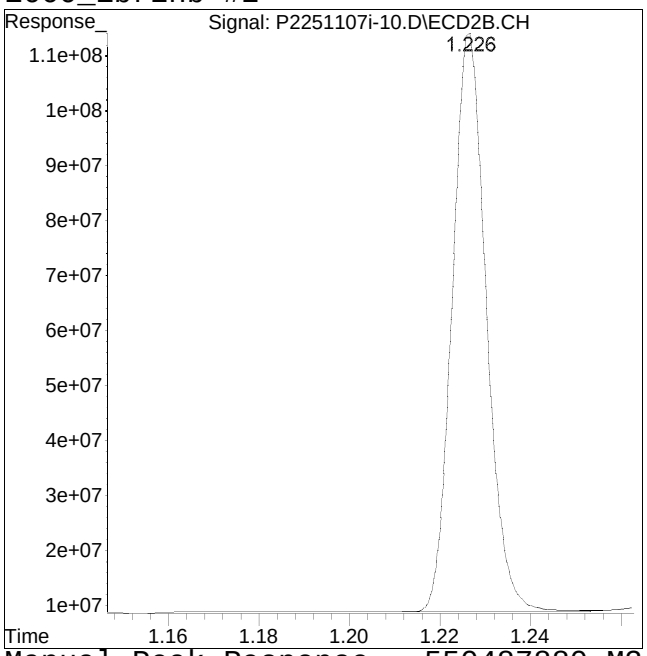
Original Peak Response = 321008224 Manual Peak Response = 323041864 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-10.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:48 Instrument : Pest 2
Sample : il31660,42e,,pp 12222 L10RQuant Date : 11/12/2025 4:37 pm

Compound #52: 1660_1br2nb #2



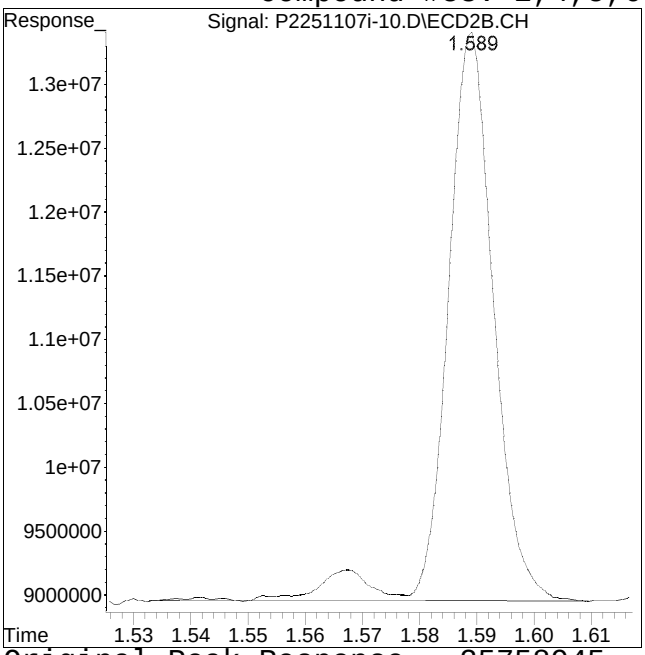


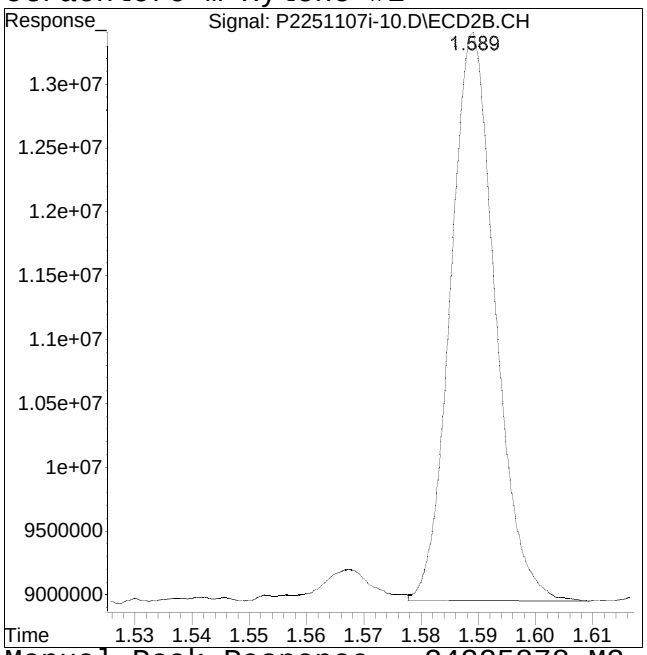
Original Peak Response = 551659130 Manual Peak Response = 550487880 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-10.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:48 Instrument : Pest 2
Sample : il31660,42e,,pp 12222 L10RQuant Date : 11/12/2025 4:37 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



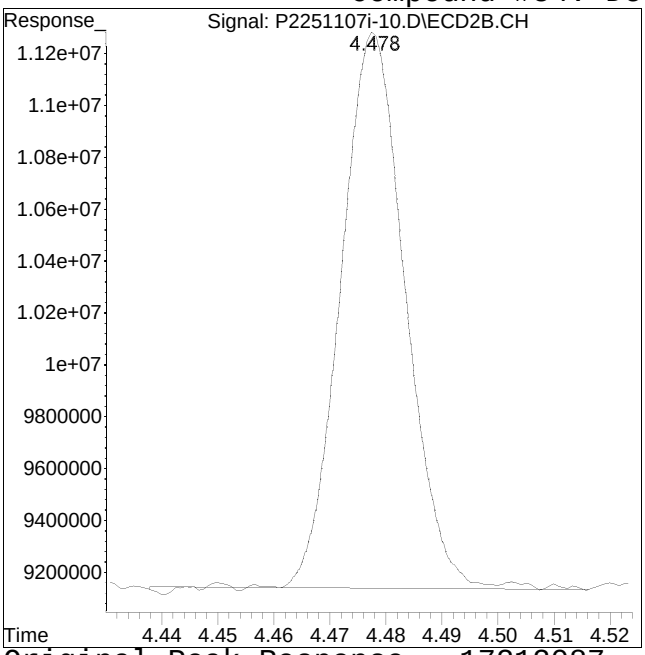


Original Peak Response = 25758945 Manual Peak Response = 24225878 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

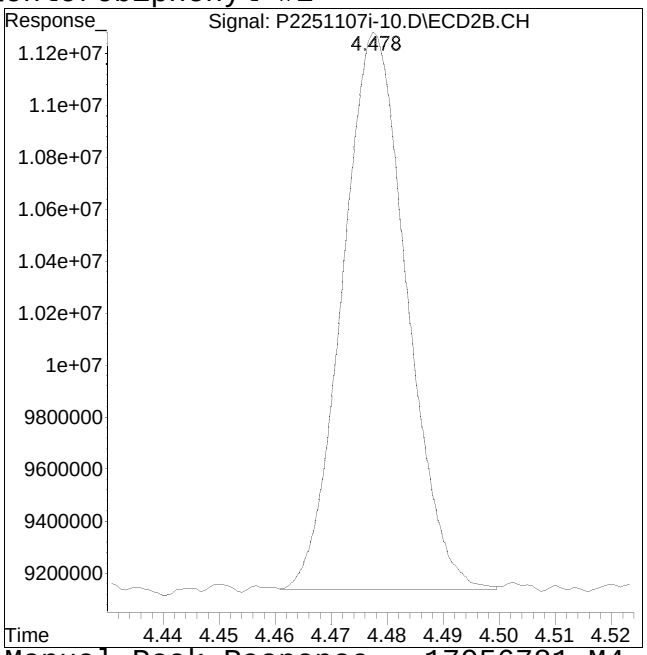
Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-10.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:48 Instrument : Pest 2
Sample : il31660,42e,,pp 12222 L10RQuant Date : 11/12/2025 4:37 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 17212087



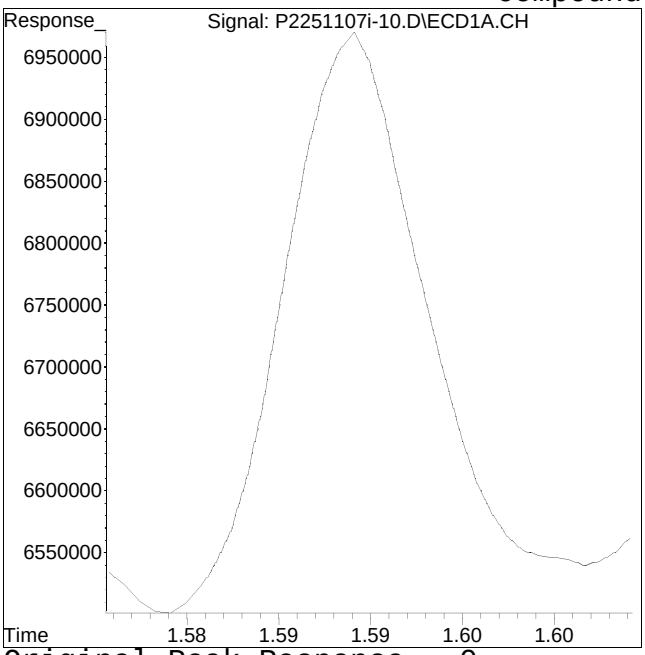
Manual Peak Response = 17056781 M4

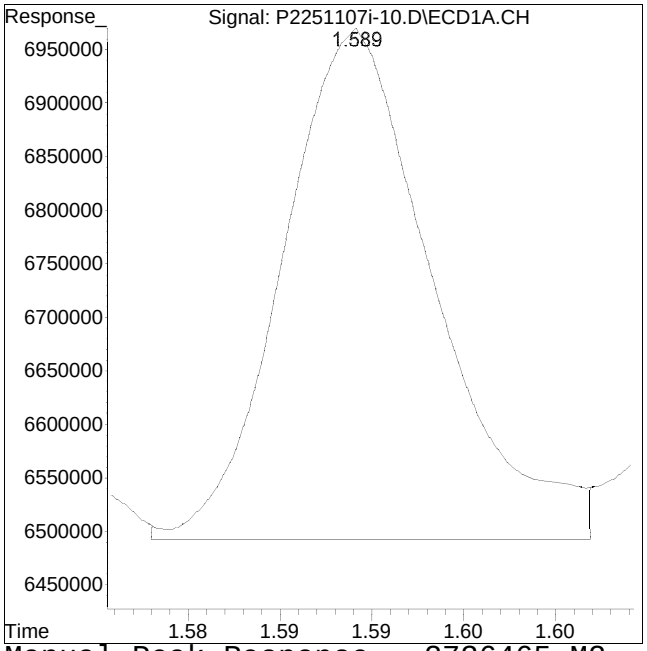
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-10.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:48 Instrument : Pest 2
Sample : il31660,42e,,pp 12222 L10RQuant Date : 11/12/2025 4:37 pm

Compound #4: 1016-1



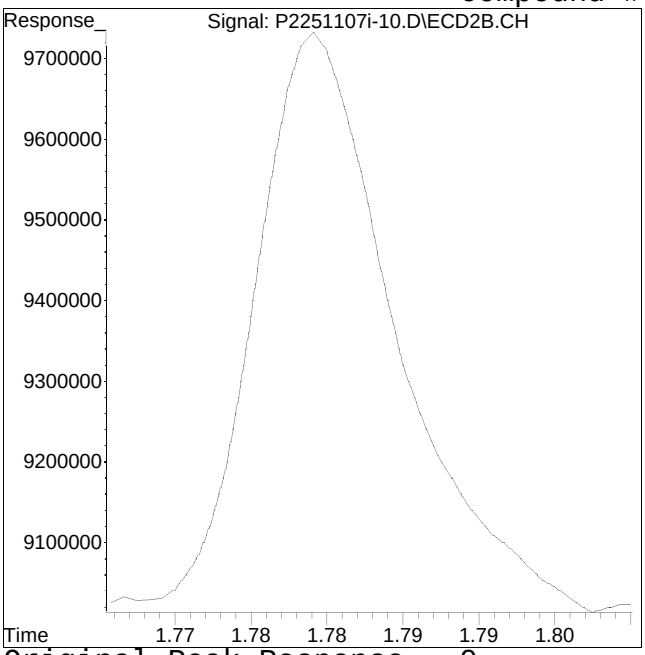


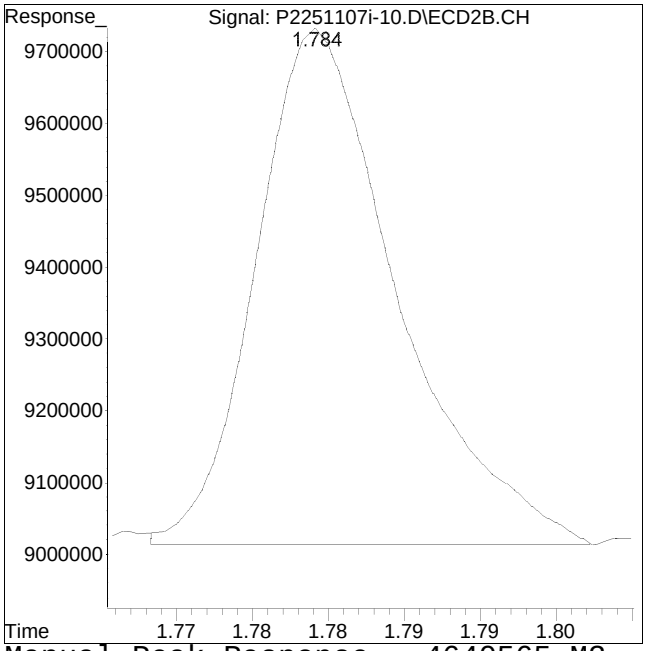
Original Peak Response = 0 Manual Peak Response = 2736465 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-10.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:48 Instrument : Pest 2
Sample : il31660,42e,,pp 12222 L10RQuant Date : 11/12/2025 4:37 pm

Compound #55: 1016-1 #2



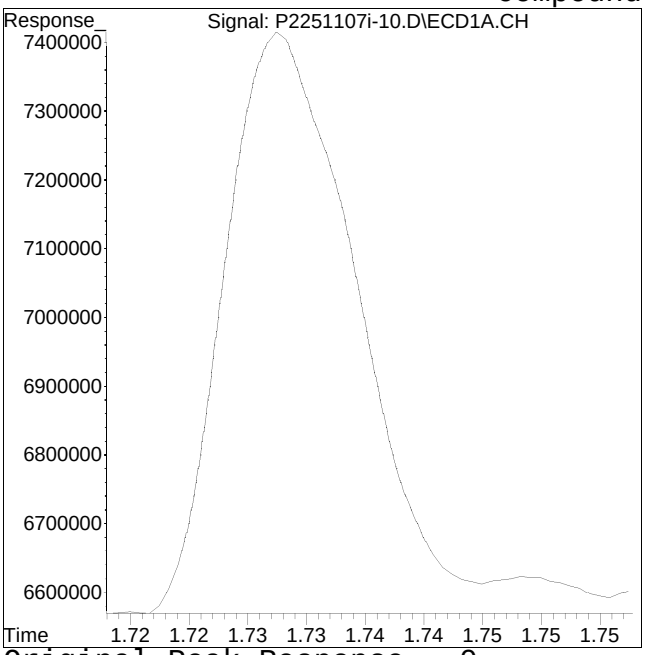


Original Peak Response = 0 Manual Peak Response = 4640565 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

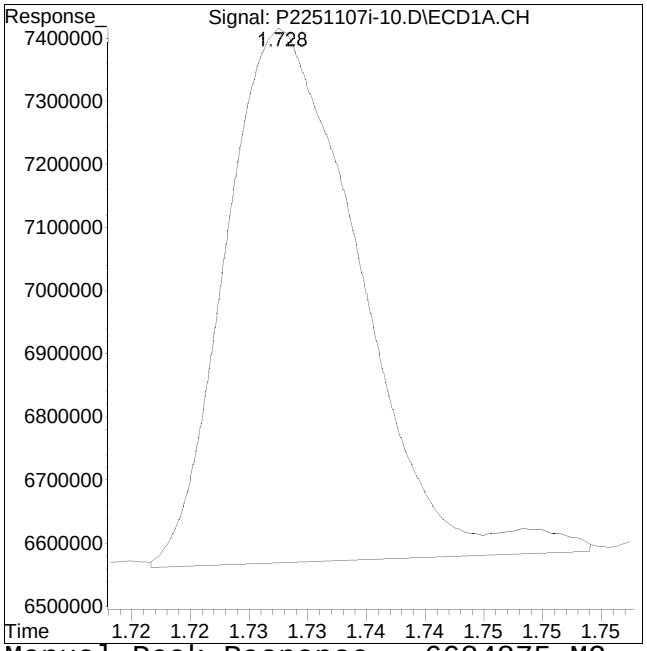
Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-10.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:48 Instrument : Pest 2
Sample : il31660,42e,,pp 12222 L10RQuant Date : 11/12/2025 4:37 pm

Compound #5: 1016-2



Original Peak Response = 0



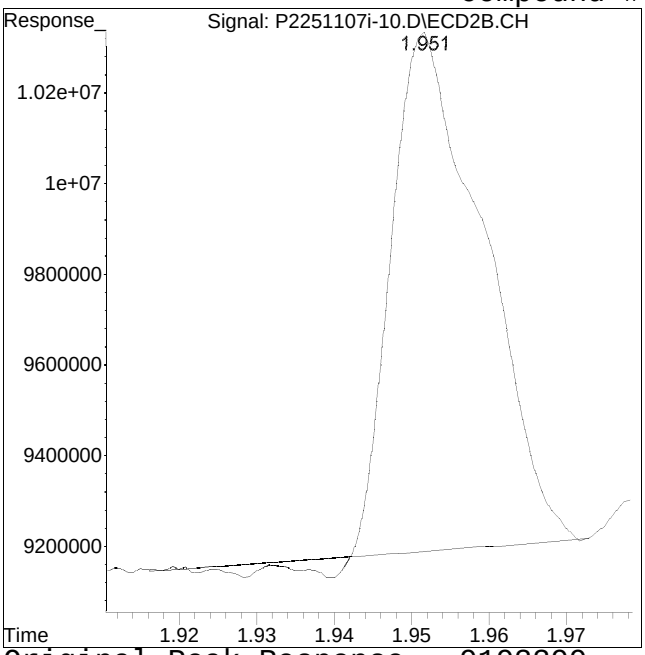
Manual Peak Response = 6684875 M2

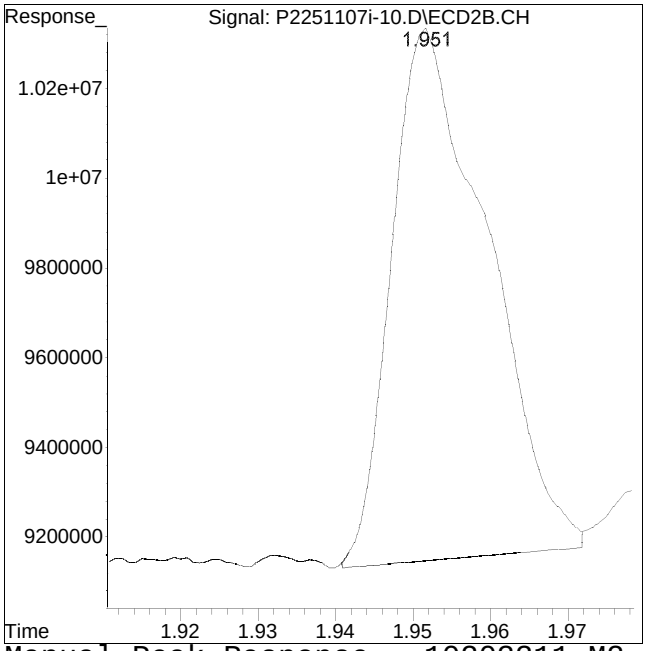
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-10.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:48 Instrument : Pest 2
Sample : il31660,42e,,pp 12222 L10RQuant Date : 11/12/2025 4:37 pm

Compound #56: 1016-2 #2



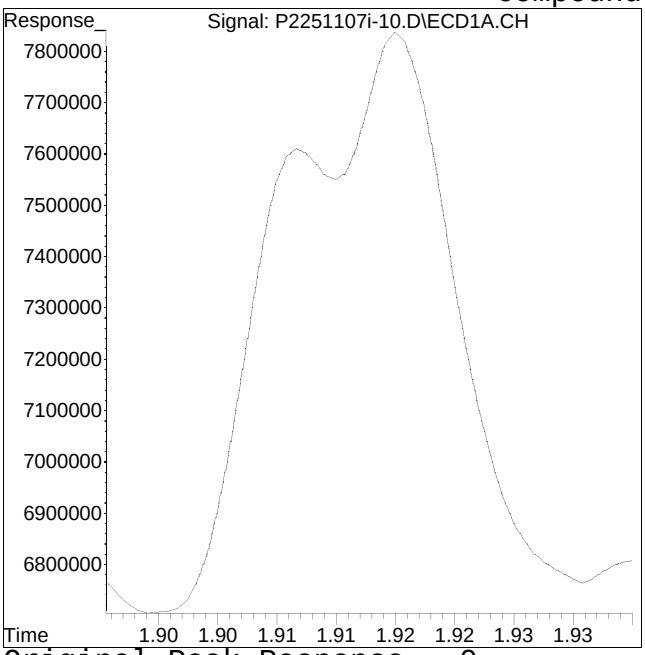


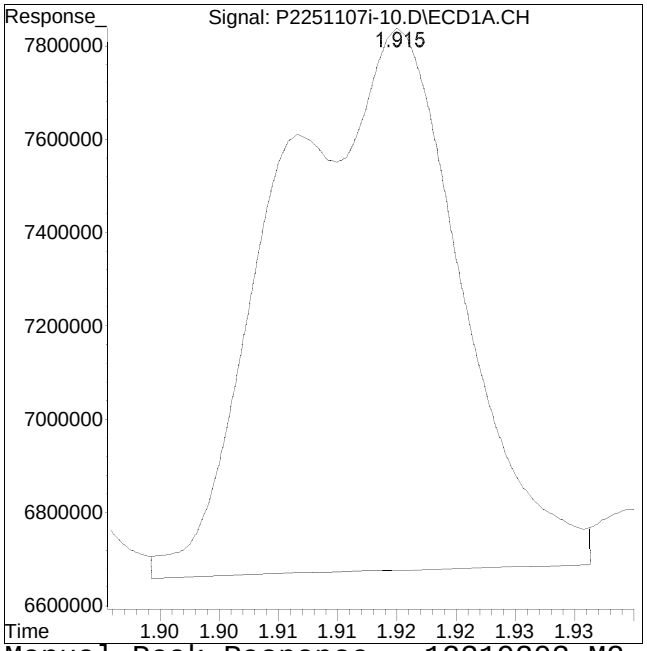
Original Peak Response = 9193399 Manual Peak Response = 10203311 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-10.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:48 Instrument : Pest 2
Sample : il31660,42e,,pp 12222 L10RQuant Date : 11/12/2025 4:37 pm

Compound #6: 1016-3



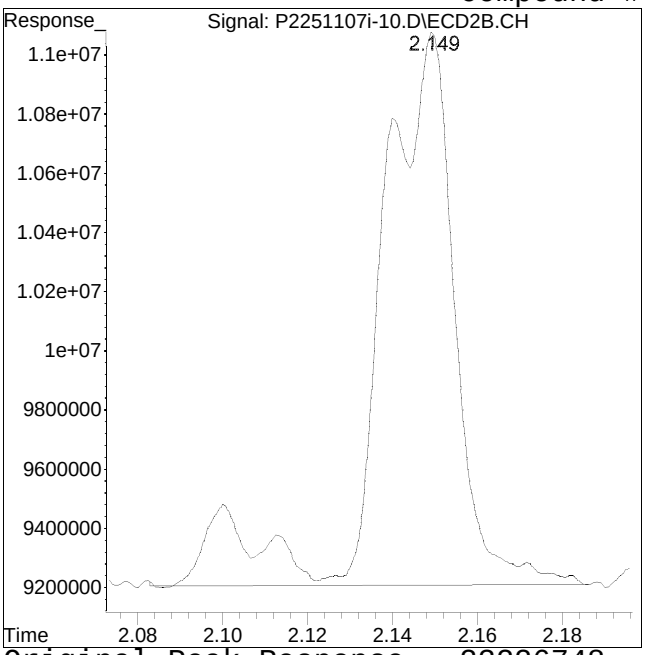


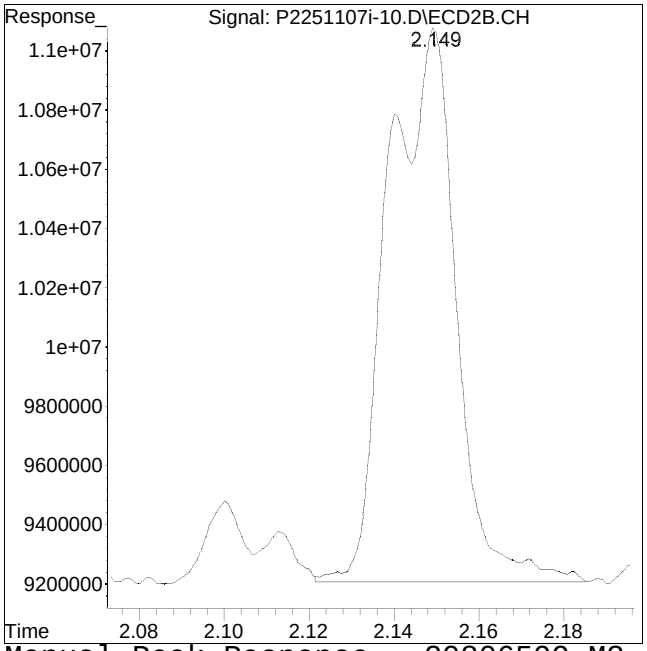
Original Peak Response = 0 Manual Peak Response = 12319303 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-10.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:48 Instrument : Pest 2
Sample : il31660,42e,,pp 12222 L10RQuant Date : 11/12/2025 4:37 pm

Compound #57: 1016-3 #2



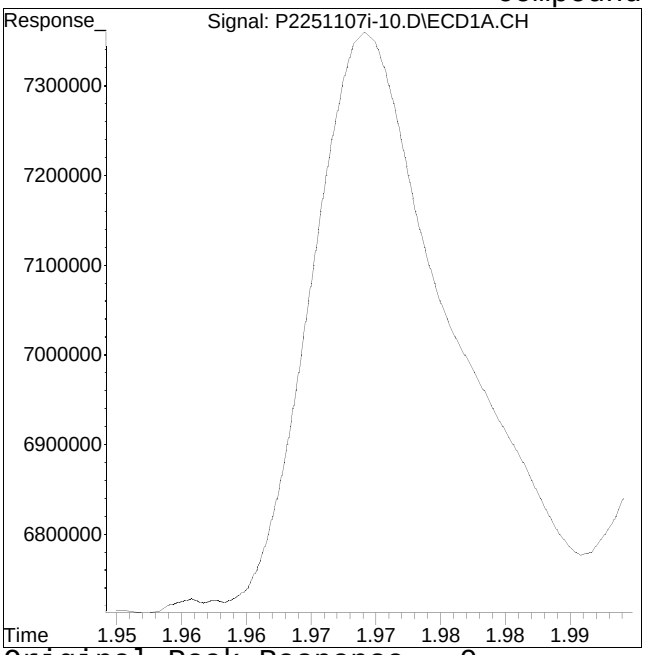


Original Peak Response = 23226748 Manual Peak Response = 20806599 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

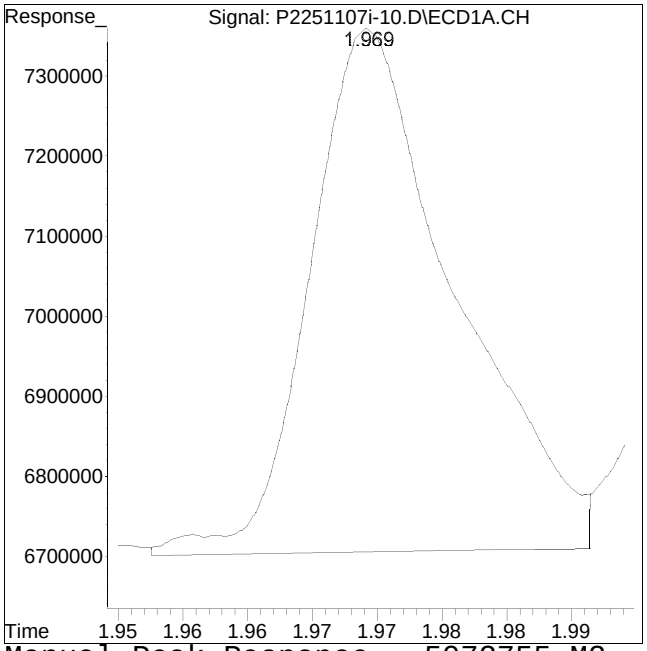
Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-10.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:48 Instrument : Pest 2
Sample : il31660,42e,,pp 12222 L10RQuant Date : 11/12/2025 4:37 pm

Compound #7: 1016-4



Original Peak Response = 0



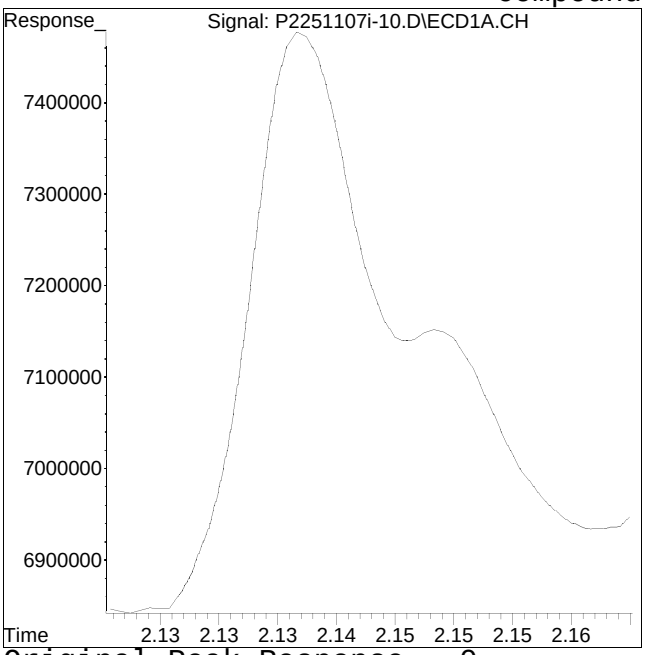
Manual Peak Response = 5072755 M2

M2 = Peak not found by automatic integration algorithm.

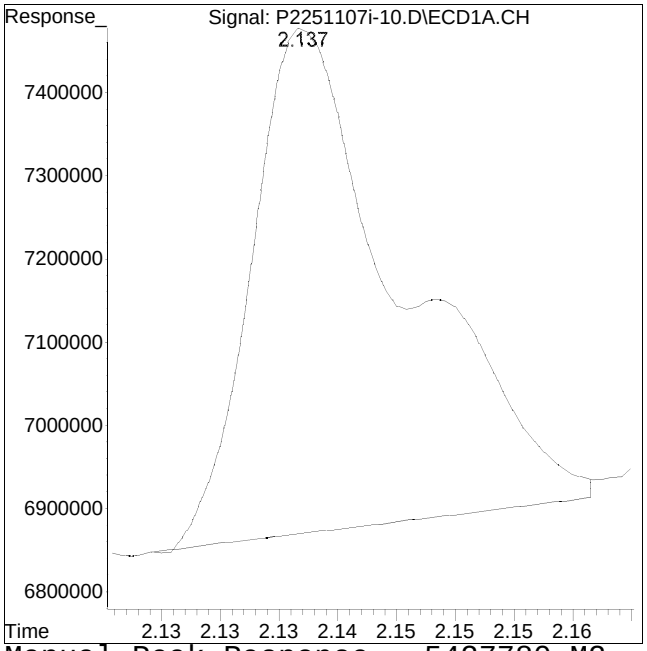
Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-10.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:48 Instrument : Pest 2
Sample : il31660,42e,,pp 12222 L10RQuant Date : 11/12/2025 4:37 pm

Compound #8: 1016-5



Original Peak Response = 0



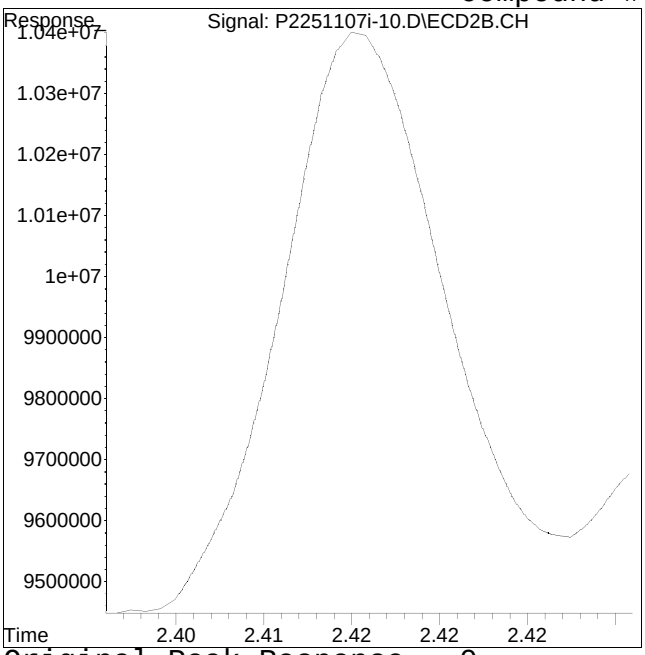
Manual Peak Response = 5427780 M2

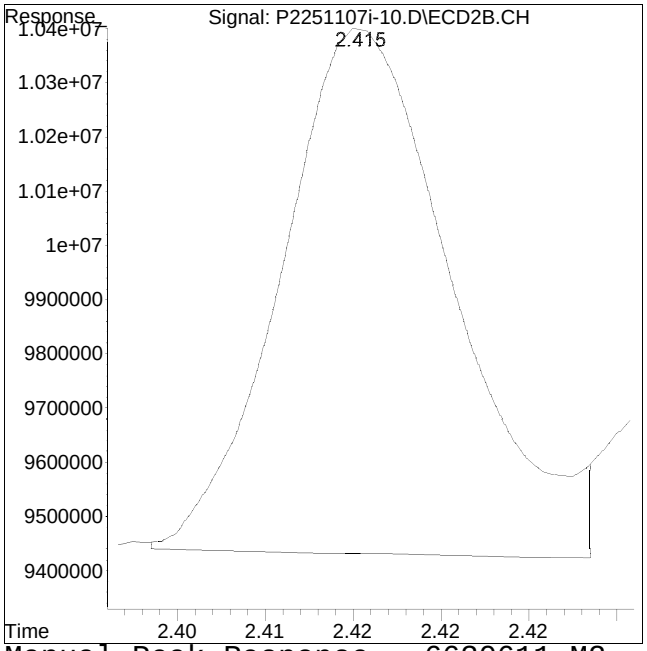
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-10.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:48 Instrument : Pest 2
Sample : il31660,42e,,pp 12222 L10RQuant Date : 11/12/2025 4:37 pm

Compound #59: 1016-5 #2



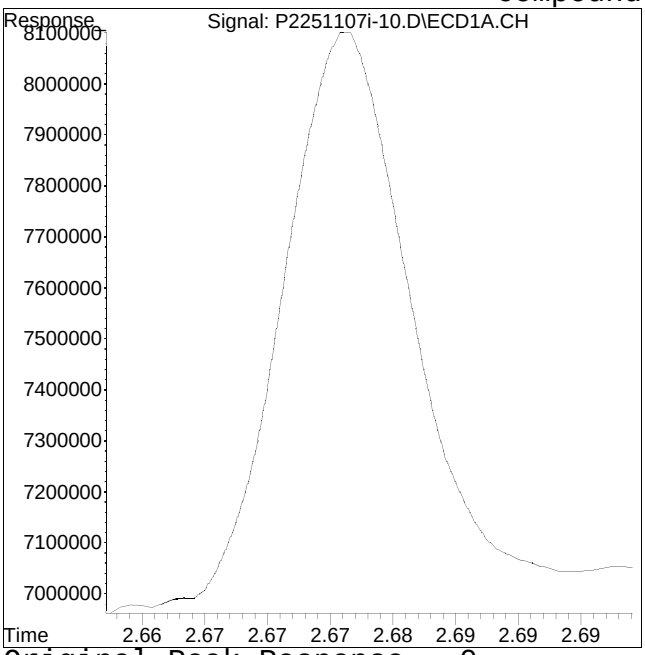


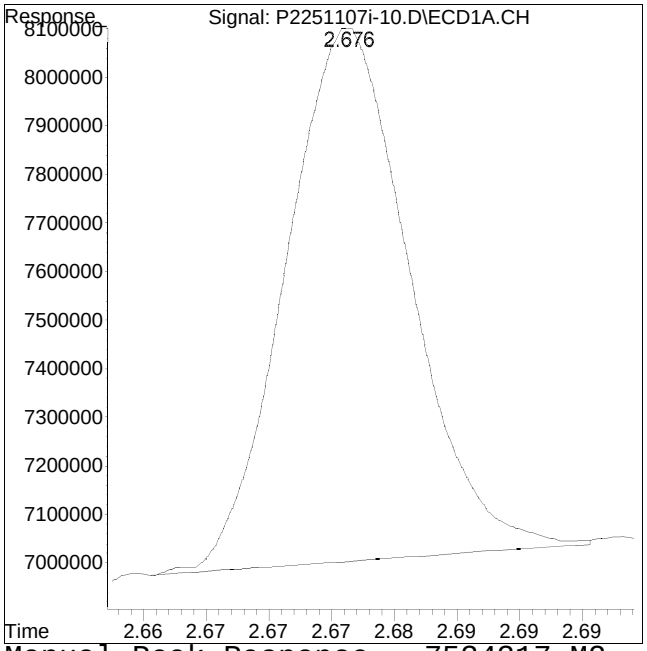
Original Peak Response = 0 Manual Peak Response = 6630611 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-10.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:48 Instrument : Pest 2
Sample : il31660,42e,,pp 12222 L10RQuant Date : 11/12/2025 4:37 pm

Compound #9: 1260-1



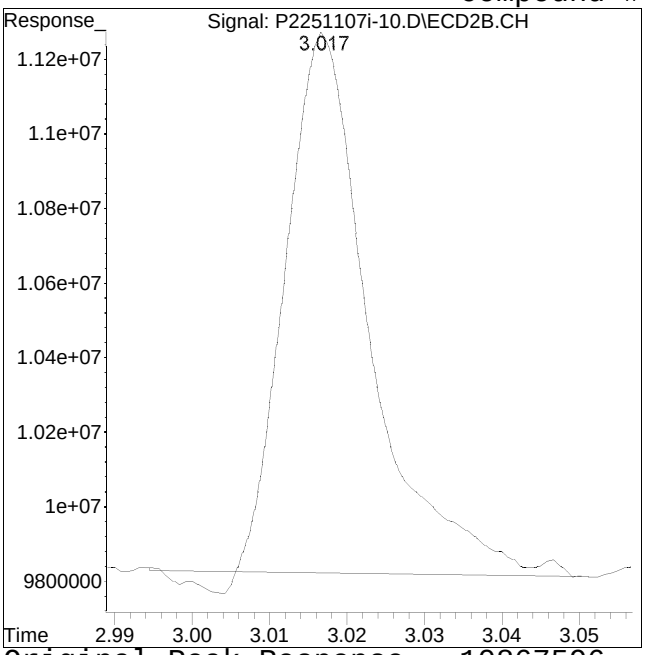


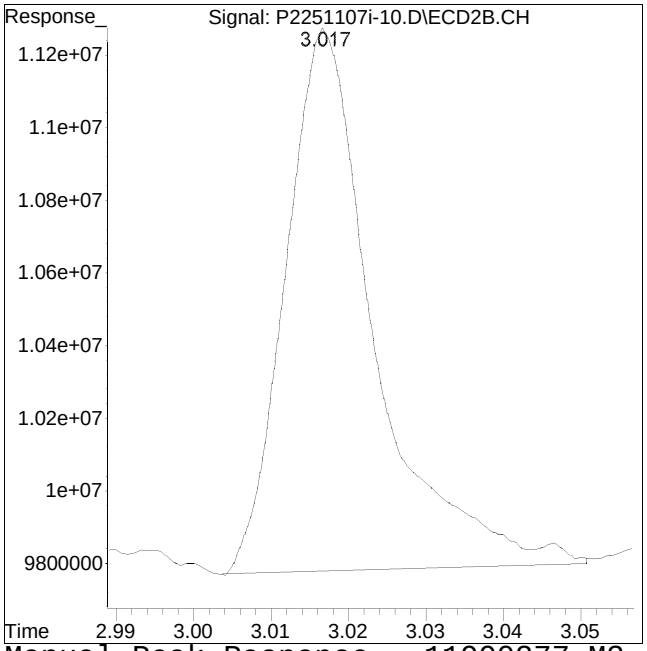
Original Peak Response = 0 Manual Peak Response = 7534317 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-10.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:48 Instrument : Pest 2
Sample : il31660,42e,,pp 12222 L10RQuant Date : 11/12/2025 4:37 pm

Compound #60: 1260-1 #2



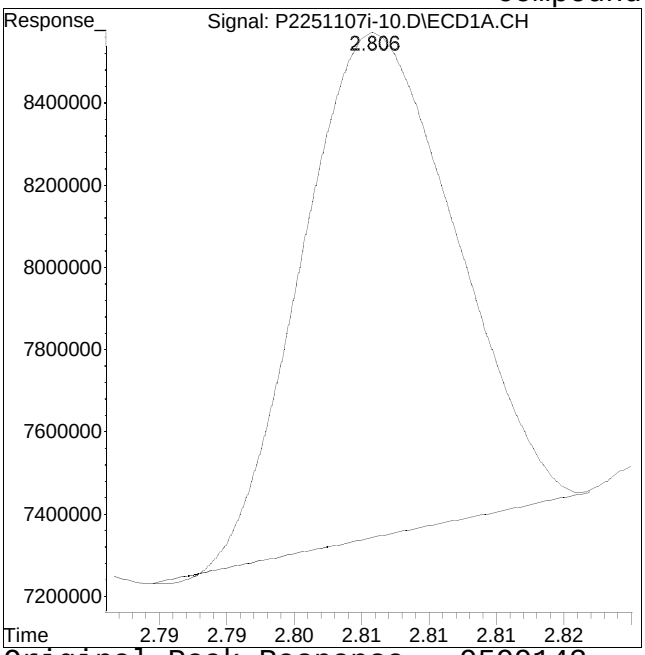


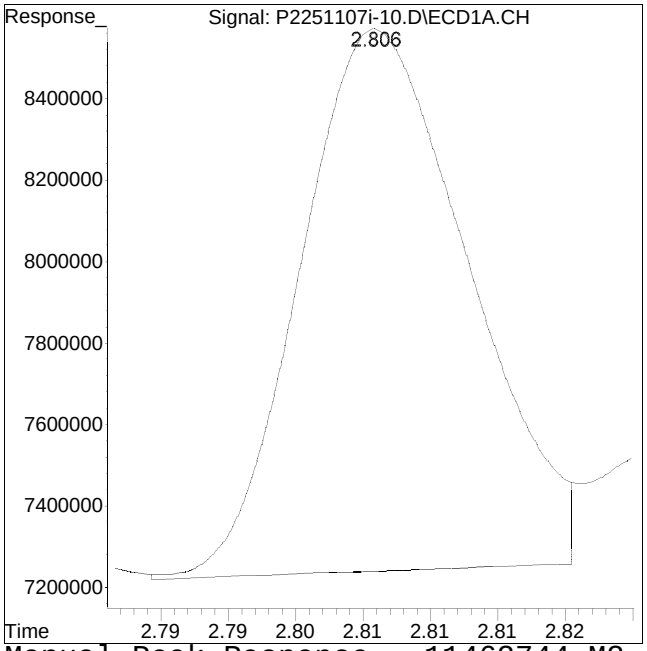
Original Peak Response = 10867596 Manual Peak Response = 11990277 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-10.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:48 Instrument : Pest 2
Sample : il31660,42e,,pp 12222 L10RQuant Date : 11/12/2025 4:37 pm

Compound #10: 1260-2



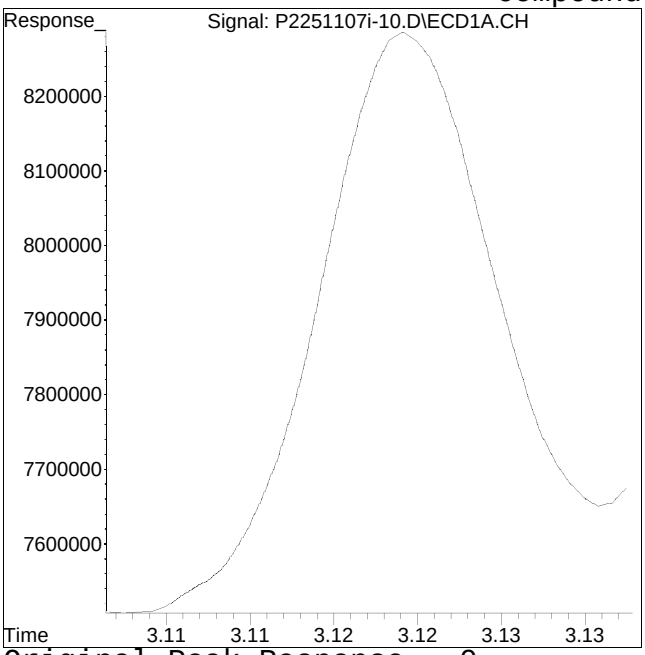


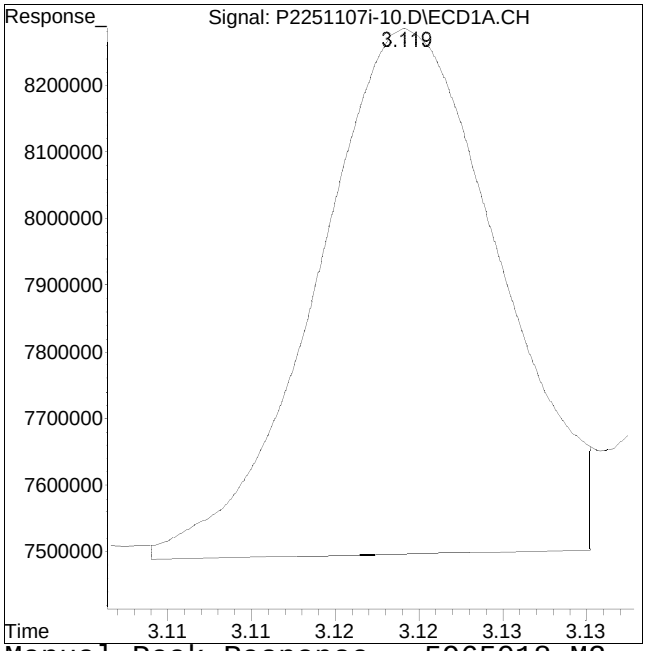
Original Peak Response = 9599143 Manual Peak Response = 11462744 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-10.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:48 Instrument : Pest 2
Sample : il31660,42e,,pp 12222 L10RQuant Date : 11/12/2025 4:37 pm

Compound #11: 1260-3



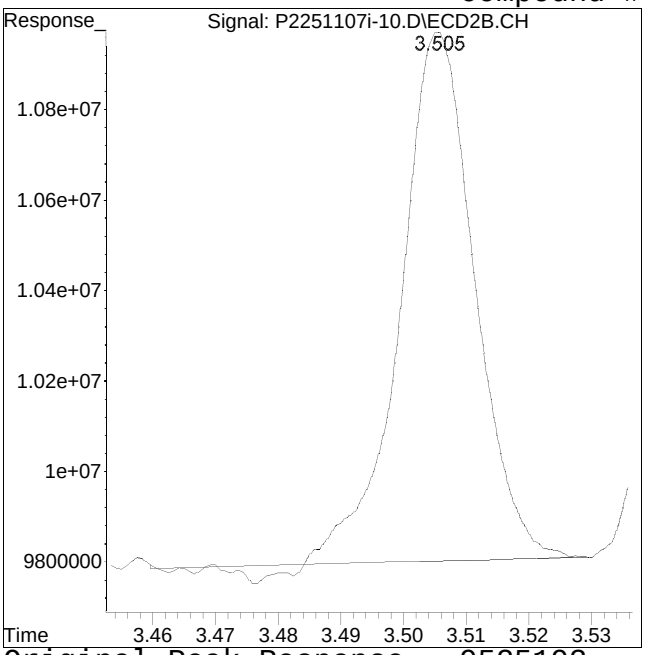


Original Peak Response = 0 Manual Peak Response = 5965018 M2
M2 = Peak not found by automatic integration algorithm.

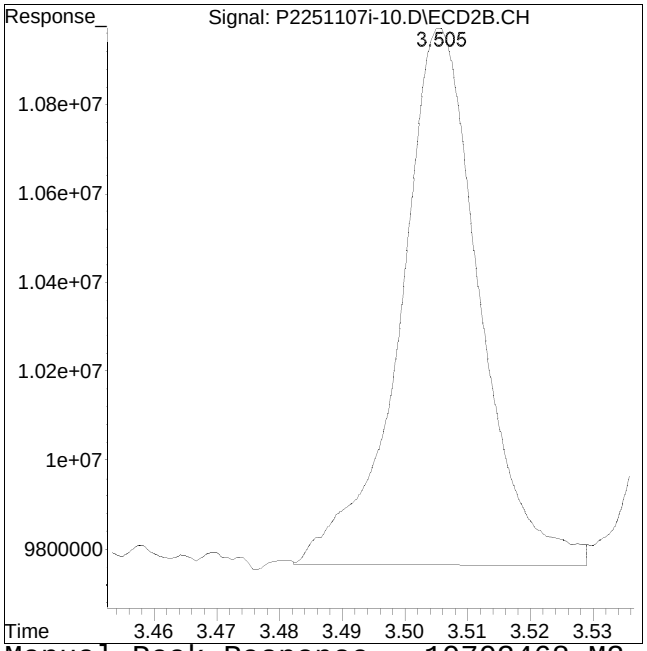
Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-10.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:48 Instrument : Pest 2
Sample : il31660,42e,,pp 12222 L10RQuant Date : 11/12/2025 4:37 pm

Compound #62: 1260-3 #2



Original Peak Response = 9525193



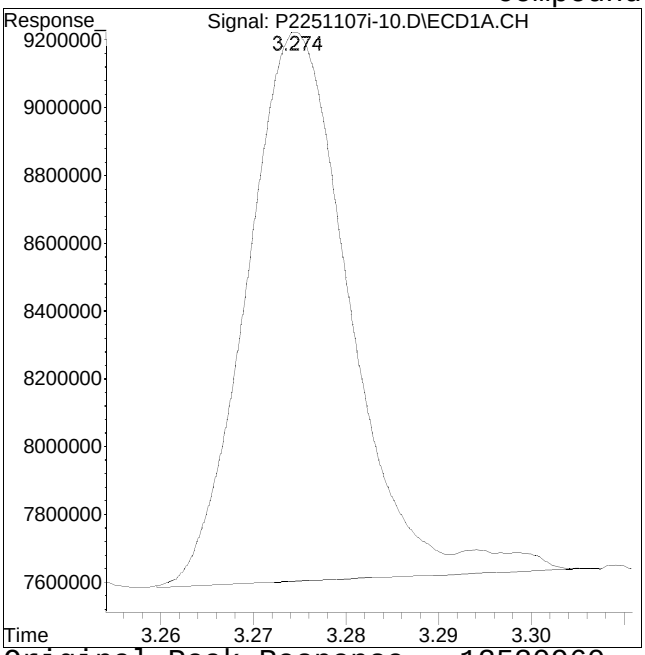
Manual Peak Response = 10703468 M3

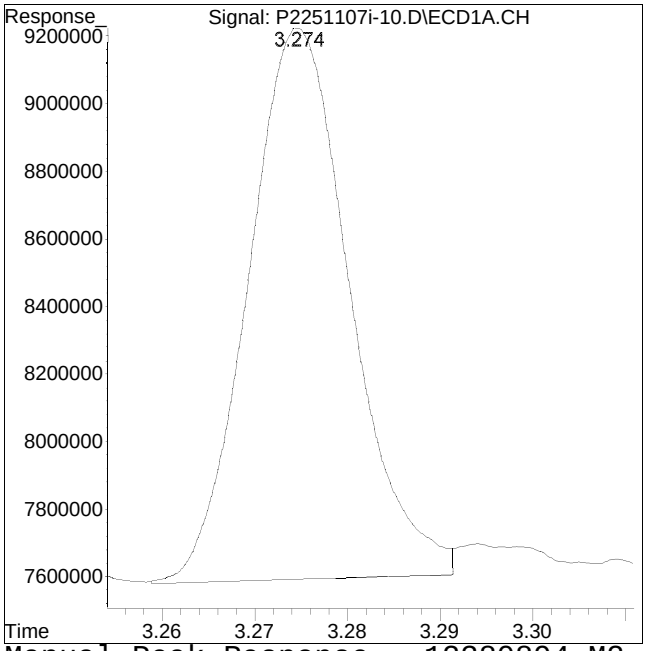
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-10.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:48 Instrument : Pest 2
Sample : il31660,42e,,pp 12222 L10RQuant Date : 11/12/2025 4:37 pm

Compound #12: 1260-4



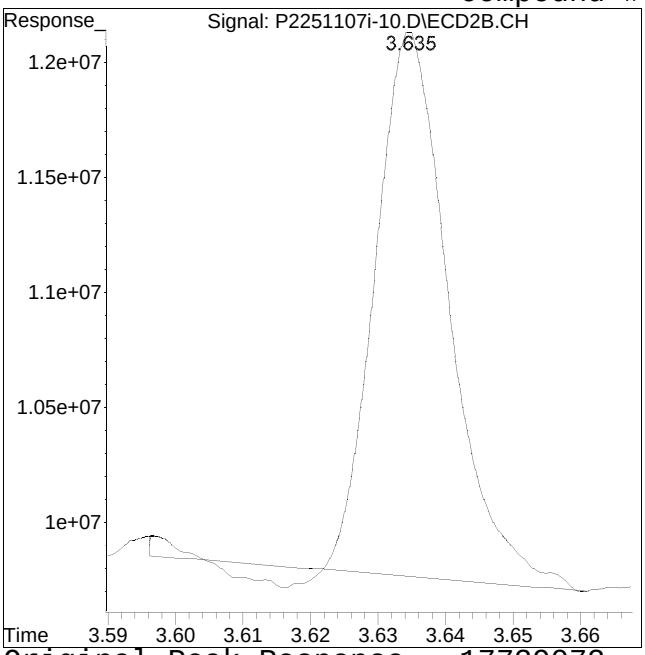


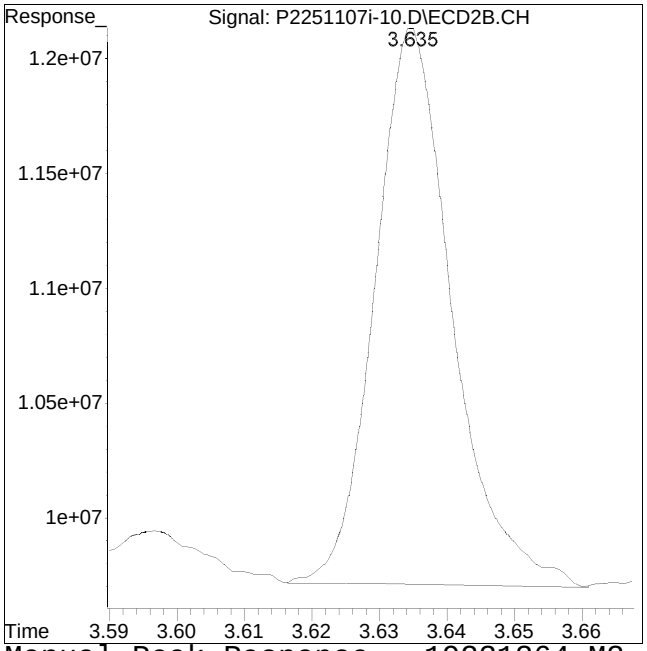
Original Peak Response = 12530960 Manual Peak Response = 12380894 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-10.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:48 Instrument : Pest 2
Sample : il31660,42e,,pp 12222 L10RQuant Date : 11/12/2025 4:37 pm

Compound #63: 1260-4 #2



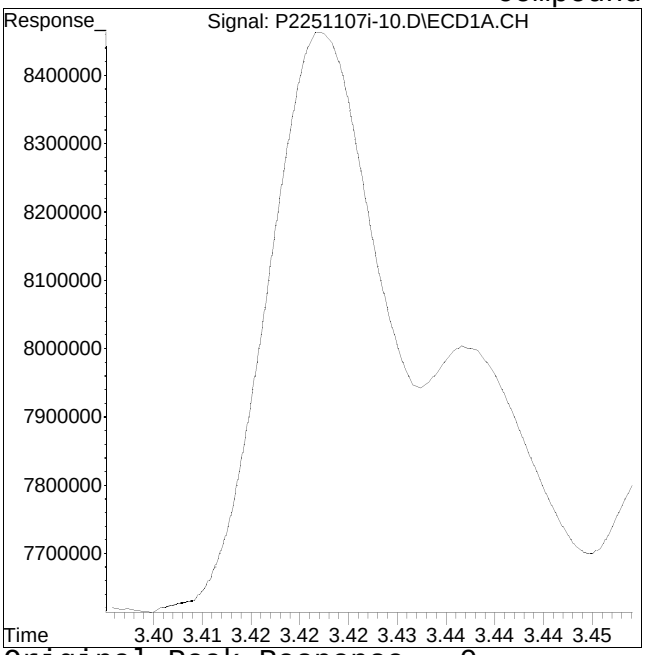


Original Peak Response = 17739072 Manual Peak Response = 19231364 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

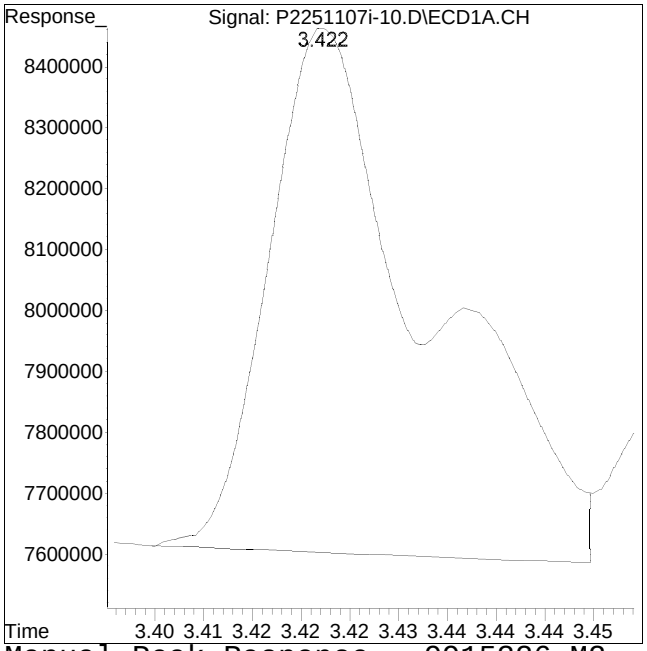
Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-10.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:48 Instrument : Pest 2
Sample : il31660,42e,,pp 12222 L10RQuant Date : 11/12/2025 4:37 pm

Compound #13: 1260-5



Original Peak Response = 0



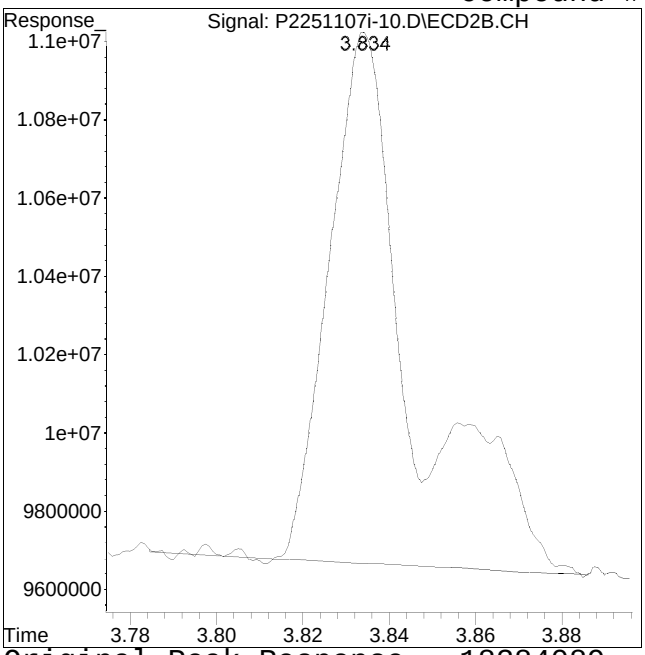
Manual Peak Response = 9915326 M2

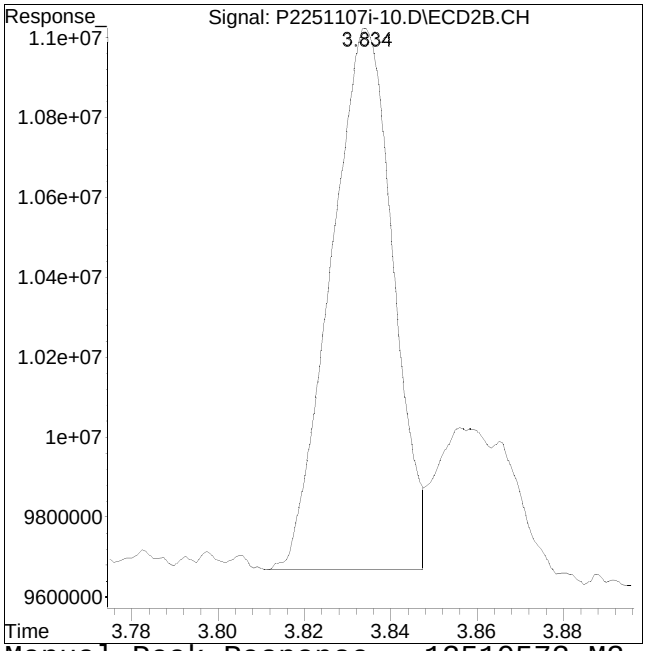
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-10.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:48 Instrument : Pest 2
Sample : il31660,42e,,pp 12222 L10RQuant Date : 11/12/2025 4:37 pm

Compound #64: 1260-5 #2





Original Peak Response = 18384089 Manual Peak Response = 13510573 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:57
Operator : pest2:sdc
Sample : il41660,42e,,pp 12222 L20RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:20:00 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:19:48 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.173	1.227	345.9E6	586.2E6	25.000M3	25.000M3
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.452	1.589	31702438	49012585	1.839	1.864M3
	Spiked Amount	50.000	Range 30 - 150		Recovery =	3.68%#	3.73%#
3) s	Decachlorobi	4.005	4.478	26354868	32909872	1.895	2.065M3
	Spiked Amount	50.000	Range 30 - 150		Recovery =	3.79%#	4.13%#
	Target Compounds						
4) l1	1016-1	1.588	1.784	5563820	9254202	19.684M2	20.806M3
5) l1	1016-2	1.727	1.951	14172281	20557199	20.221M3	19.350M3
6) l1	1016-3	1.915	2.149	24921689	40629459	18.473M3	19.733
7) l1	1016-4	1.969	2.209	10823254	16314632	18.807M1	19.989
8) l1	1016-5	2.137	2.415	11145482	12755598	19.445M3	20.149M3
	Sum 1016-1			66626526	99511090	96.630	100.027
	Average 1016-1					19.326	20.005
9) l2	1260-1	2.676	3.017	15630612	24763880	18.866	20.123
10) l2	1260-2	2.806	3.119	24559656	29492358	18.903M3	21.207

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:57
Operator : pest2:sdc
Sample : il41660,42e,,pp 12222 L20RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:20:00 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:19:48 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) l2	1260-3	3.119	3.505	11607616	20572736	17.520M3	20.888M3
12) l2	1260-4	3.274	3.635	26514981	36903017	18.452M3	20.334M3
13) l2	1260-5	3.421	3.834	20172249	27606747	18.534M3	20.649M3
Sum	1260-1			98485114	139.3E6	NoCal	NoCal D
Average	1260-1					18.455	20.640
15) l3	1221-1	0.000	0.000	0	0	N.D.	N.D.
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9	1268-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:57
Operator : pest2:sdc
Sample : il41660,42e,,pp 12222 L20RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:20:00 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:19:48 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:57
Operator : pest2:sdc
Sample : il41660,42e,,pp 12222 L20RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:20:00 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:19:48 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1262-1					0.000	0.000

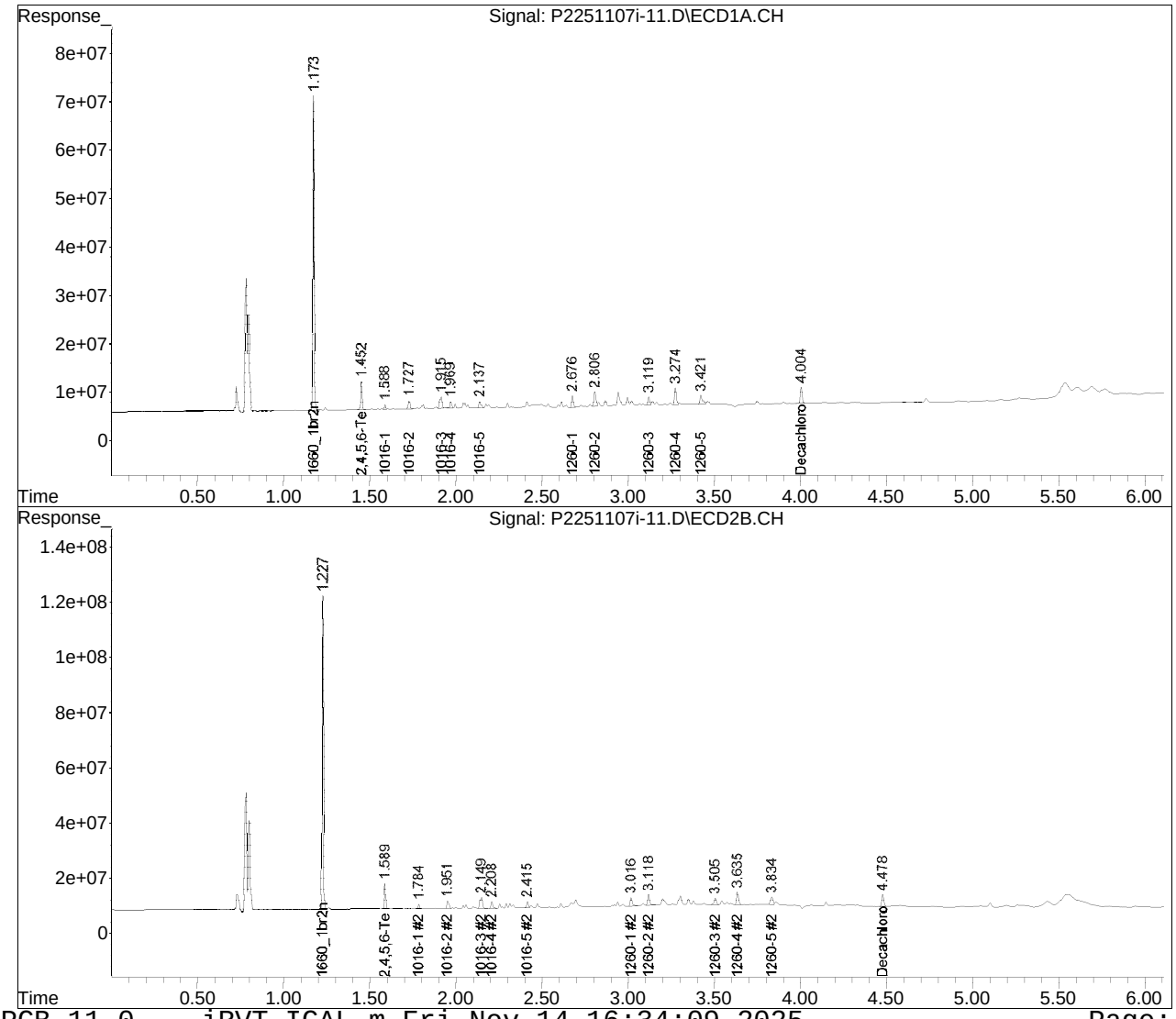
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 11:57
Operator : pest2:sdc
Sample : il41660,42e,,pp 12222 L20RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:20:00 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:19:48 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

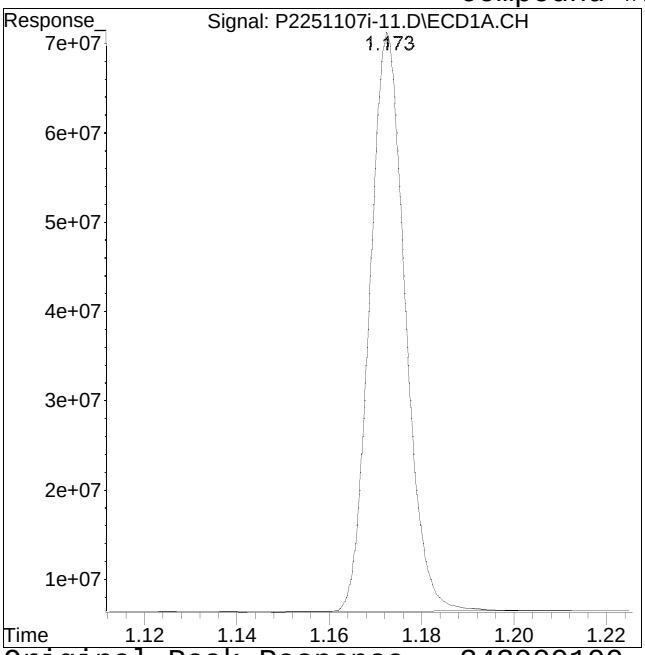
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

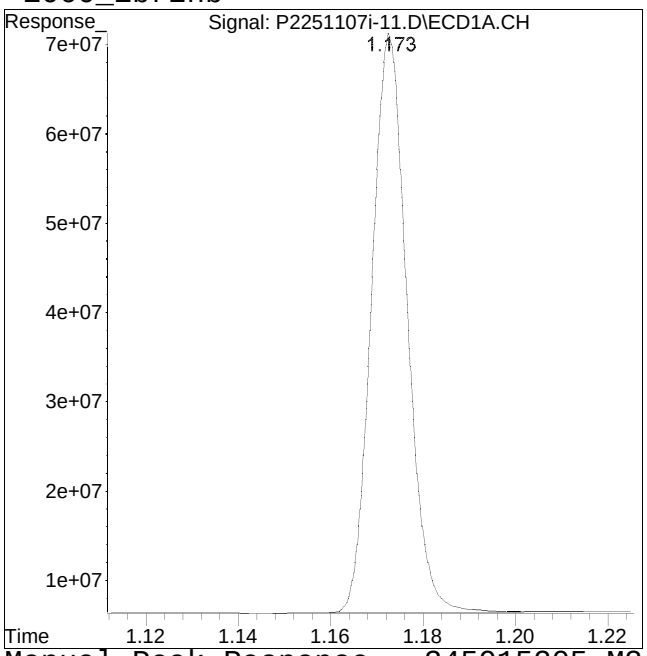


Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-11.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:57 Instrument : Pest 2
Sample : il41660,42e,,pp 12222 L20RQuant Date : 11/12/2025 4:20 pm

Compound #1: 1660_1br2nb



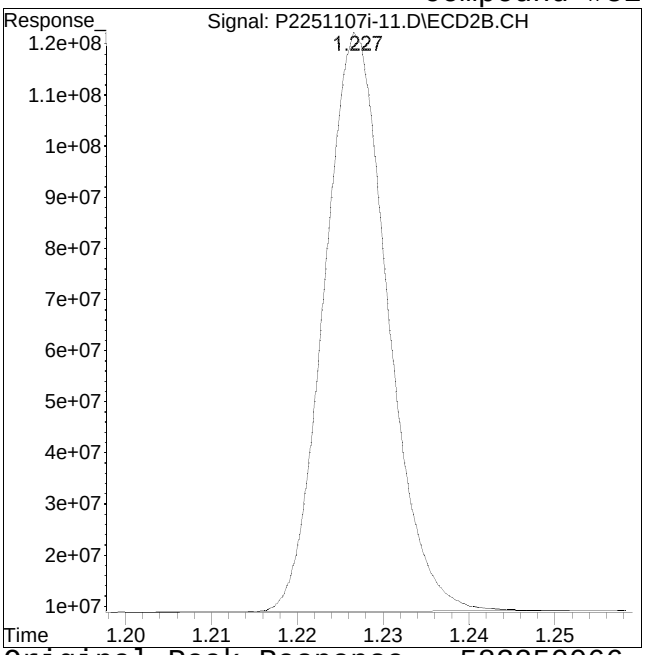


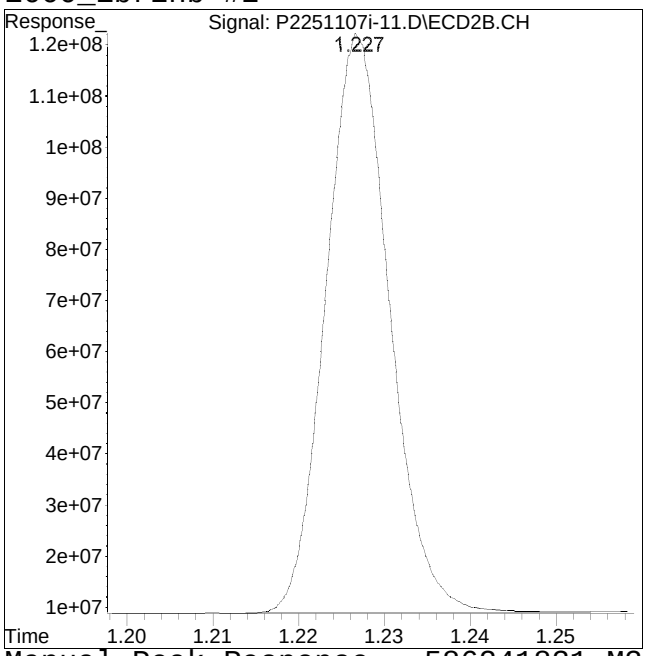
Original Peak Response = 343909100 Manual Peak Response = 345915205 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-11.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:57 Instrument : Pest 2
Sample : il41660,42e,,pp 12222 L20RQuant Date : 11/12/2025 4:20 pm

Compound #52: 1660_1br2nb #2



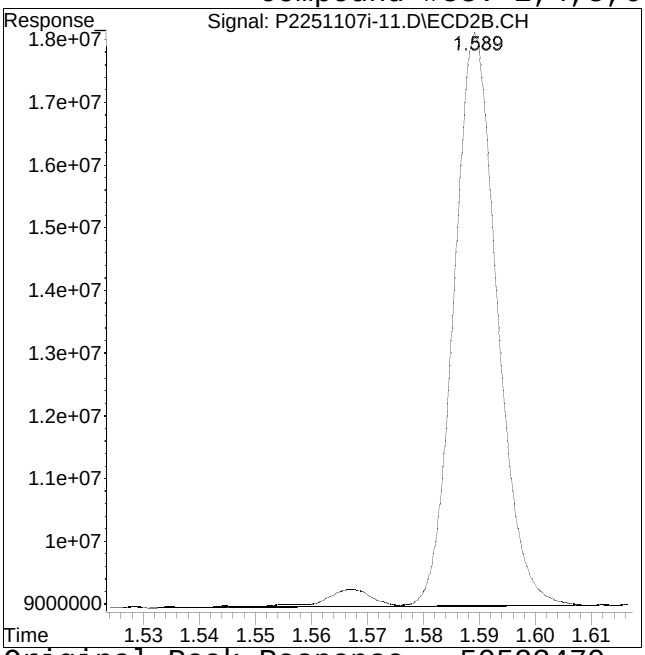


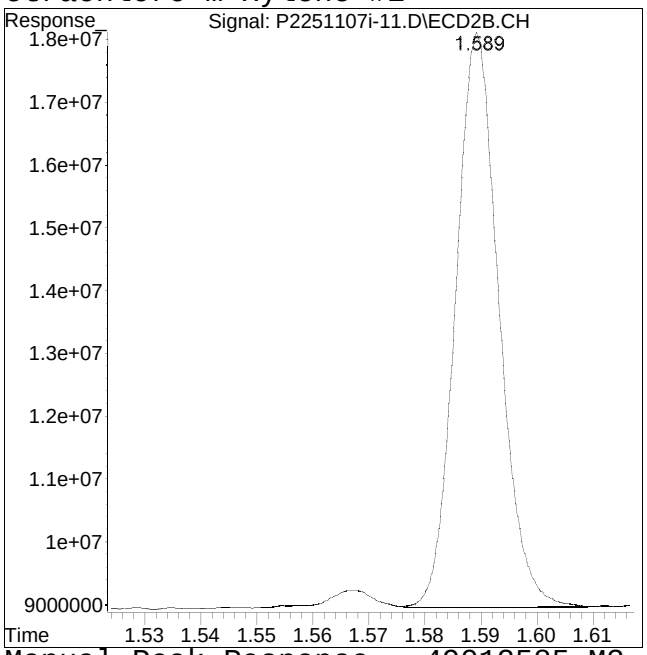
Original Peak Response = 583250066 Manual Peak Response = 586241831 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-11.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:57 Instrument : Pest 2
Sample : il41660,42e,,pp 12222 L20RQuant Date : 11/12/2025 4:20 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



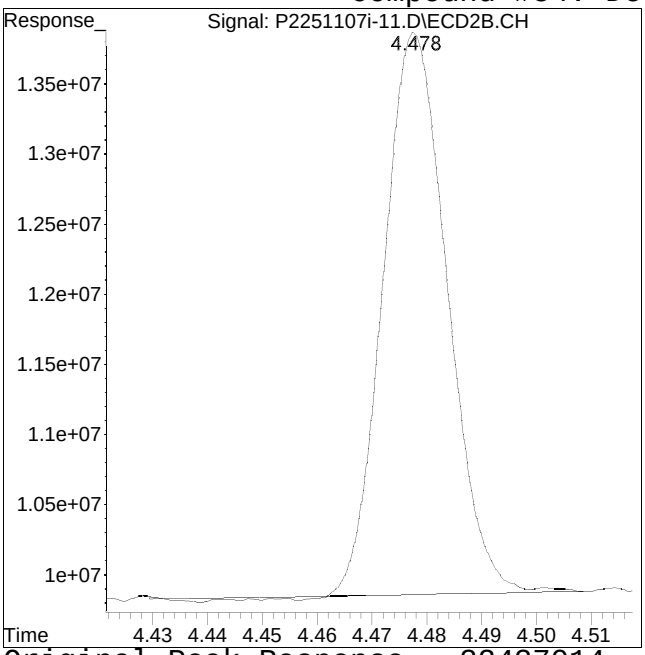


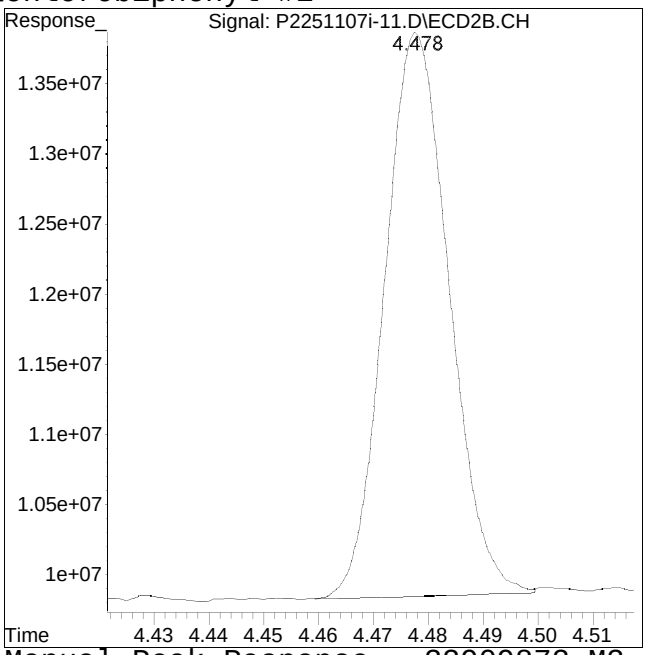
Original Peak Response = 50523470 Manual Peak Response = 49012585 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-11.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:57 Instrument : Pest 2
Sample : il41660,42e,,pp 12222 L20RQuant Date : 11/12/2025 4:20 pm

Compound #54: Decachlorobiphenyl #2



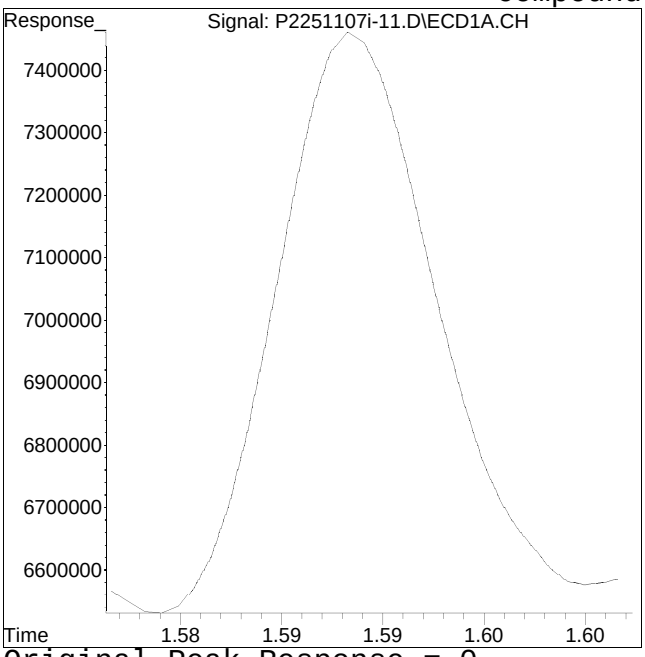


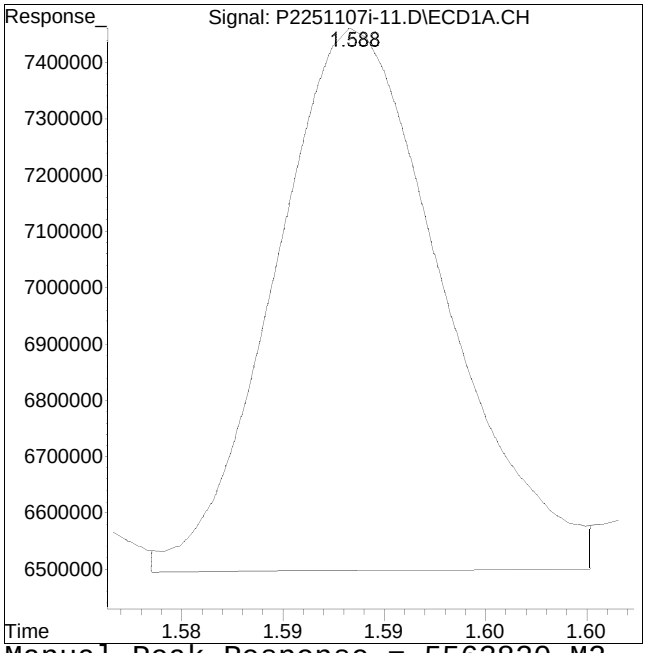
Original Peak Response = 32437014 Manual Peak Response = 32909872 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-11.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:57 Instrument : Pest 2
Sample : il41660,42e,,pp 12222 L20RQuant Date : 11/12/2025 4:20 pm

Compound #4: 1016-1



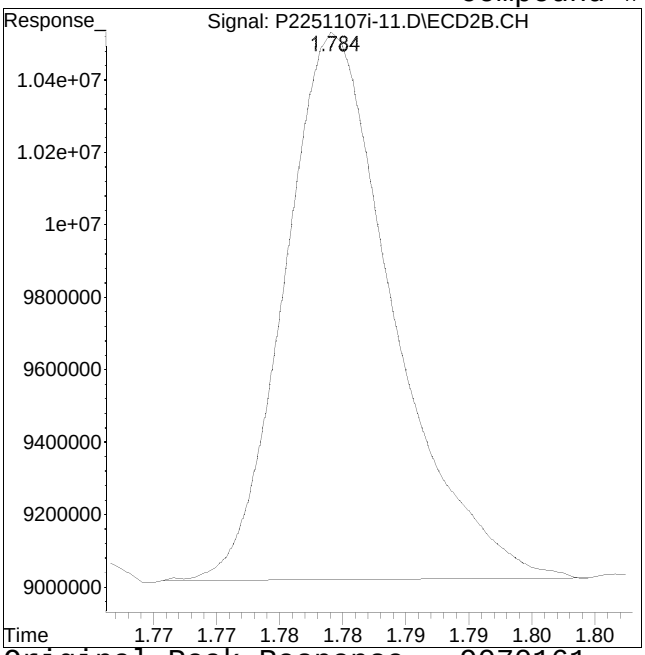


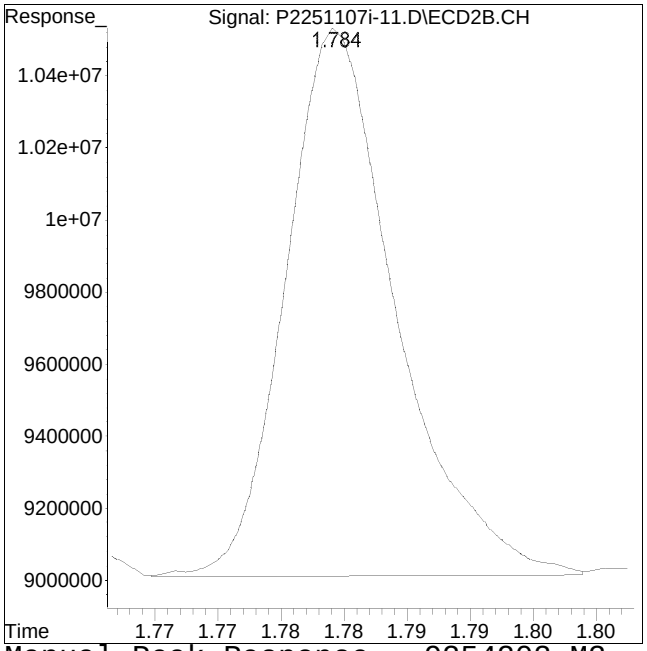
Original Peak Response = 0 Manual Peak Response = 5563820 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-11.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:57 Instrument : Pest 2
Sample : il41660,42e,,pp 12222 L20RQuant Date : 11/12/2025 4:20 pm

Compound #55: 1016-1 #2



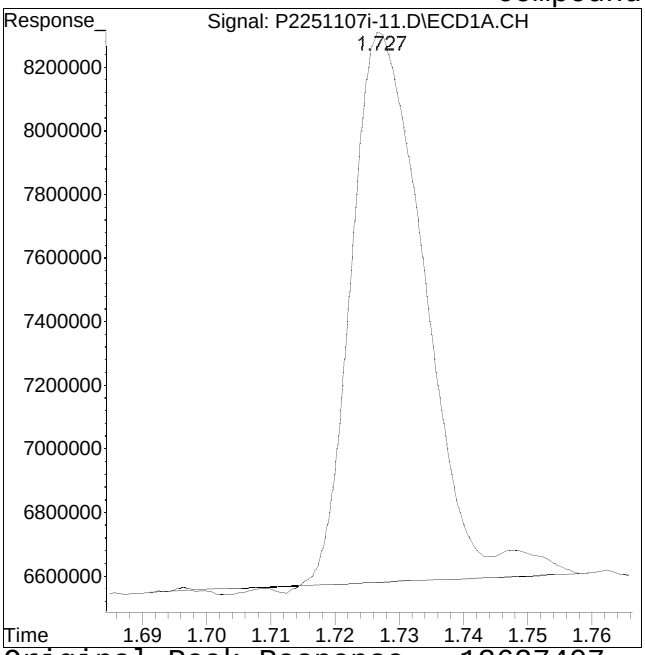


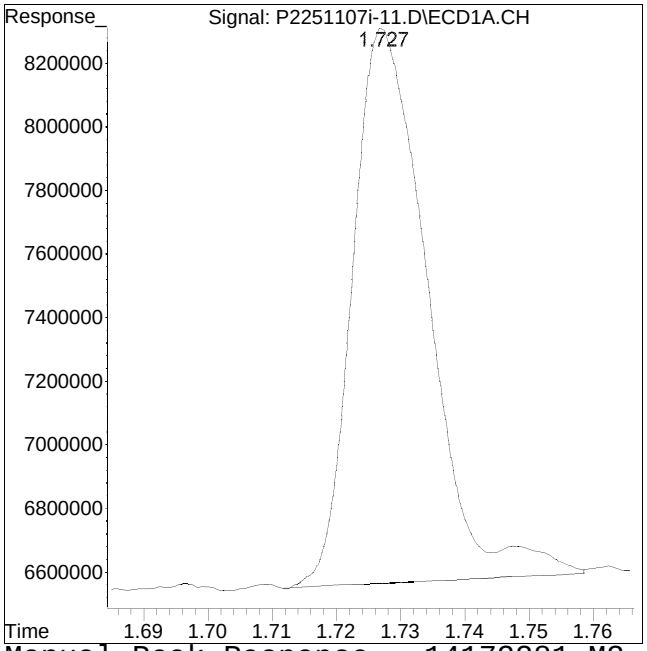
Original Peak Response = 9070161 Manual Peak Response = 9254202 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-11.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:57 Instrument : Pest 2
Sample : il41660,42e,,pp 12222 L20RQuant Date : 11/12/2025 4:20 pm

Compound #5: 1016-2



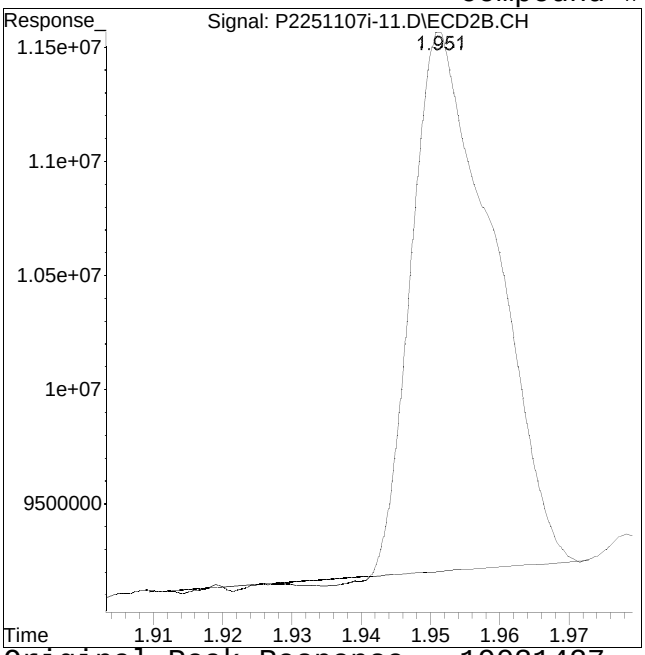


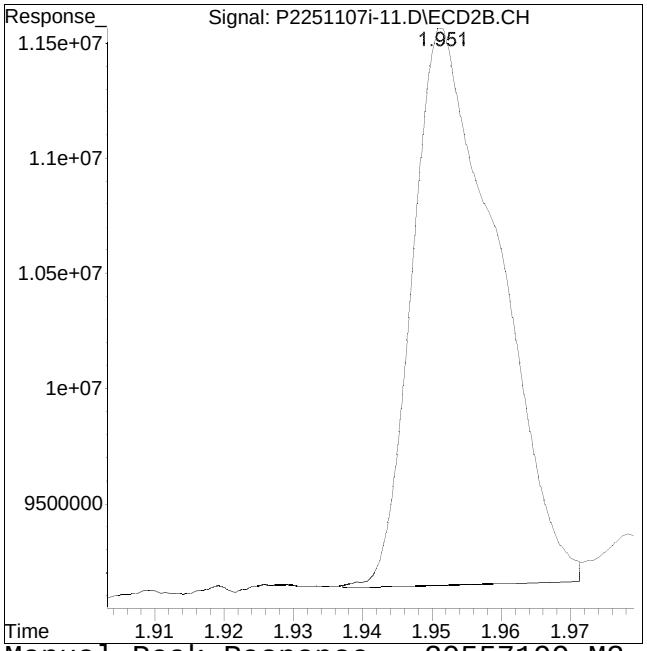
Original Peak Response = 13627407 Manual Peak Response = 14172281 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-11.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:57 Instrument : Pest 2
Sample : il41660,42e,,pp 12222 L20RQuant Date : 11/12/2025 4:20 pm

Compound #56: 1016-2 #2



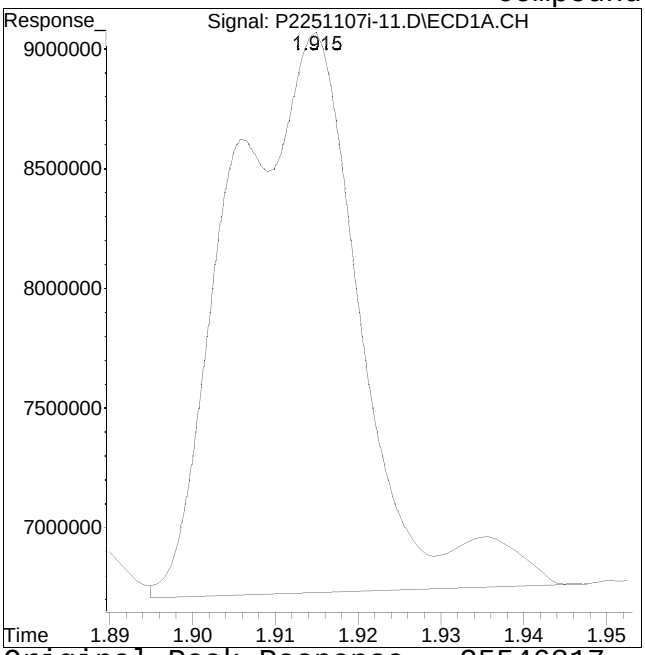


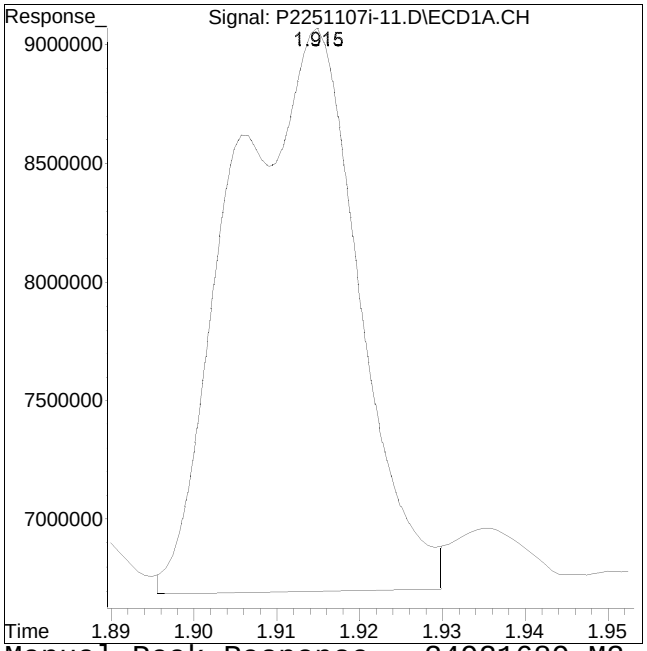
Original Peak Response = 19031427 Manual Peak Response = 20557199 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-11.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:57 Instrument : Pest 2
Sample : il41660,42e,,pp 12222 L20RQuant Date : 11/12/2025 4:20 pm

Compound #6: 1016-3



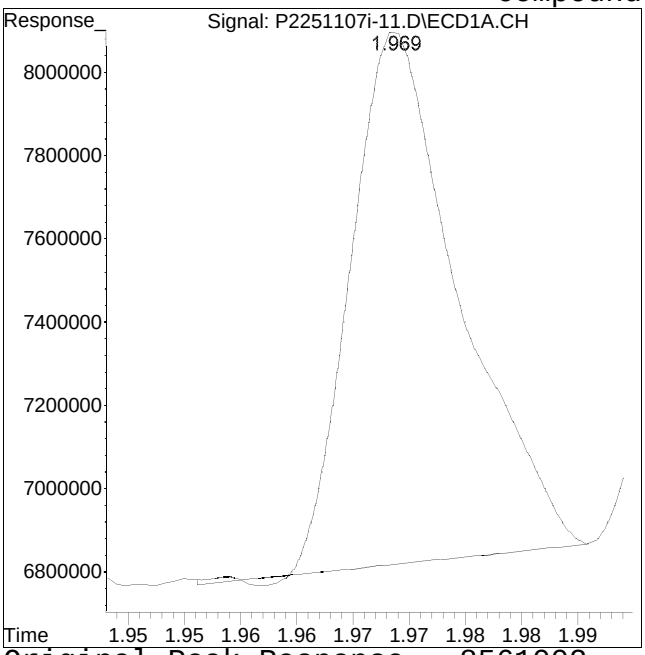


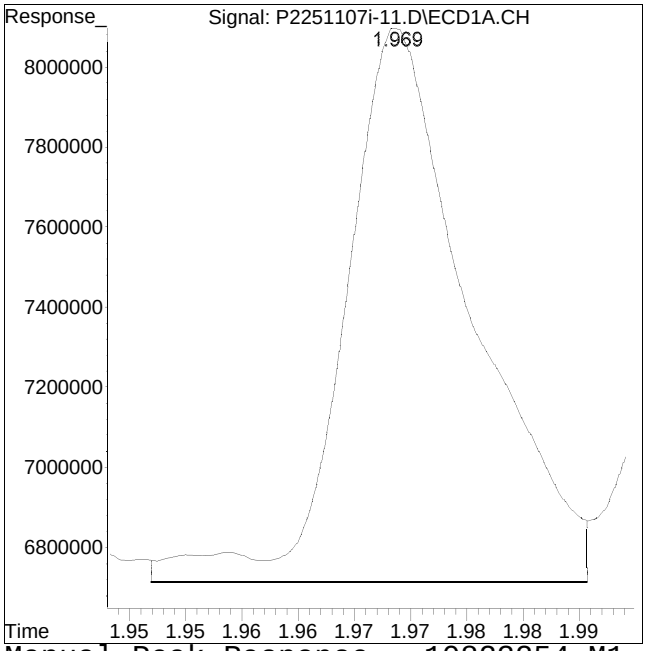
Original Peak Response = 25546317 Manual Peak Response = 24921689 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-11.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:57 Instrument : Pest 2
Sample : il41660,42e,,pp 12222 L20RQuant Date : 11/12/2025 4:20 pm

Compound #7: 1016-4



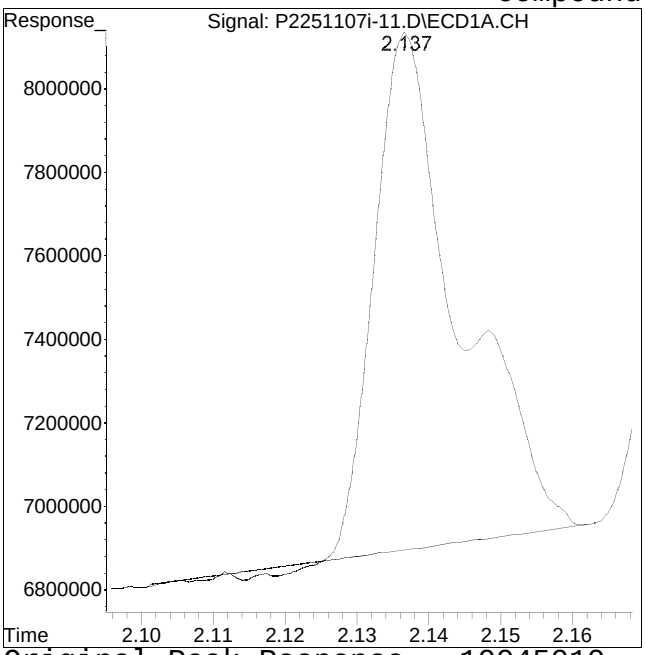


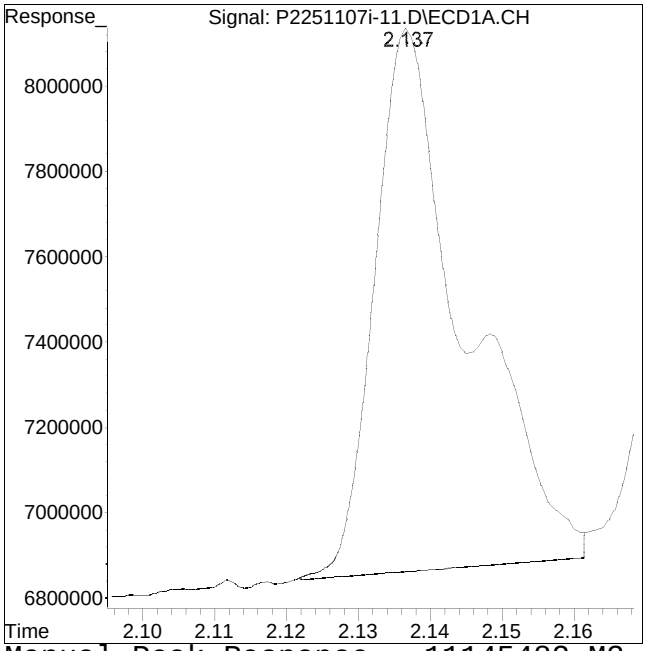
Original Peak Response = 8561002 Manual Peak Response = 10823254 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-11.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:57 Instrument : Pest 2
Sample : il41660,42e,,pp 12222 L20RQuant Date : 11/12/2025 4:20 pm

Compound #8: 1016-5



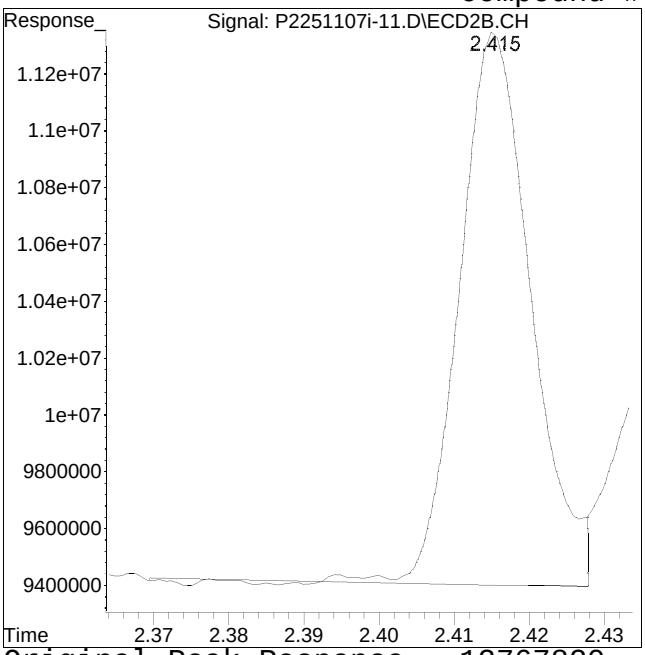


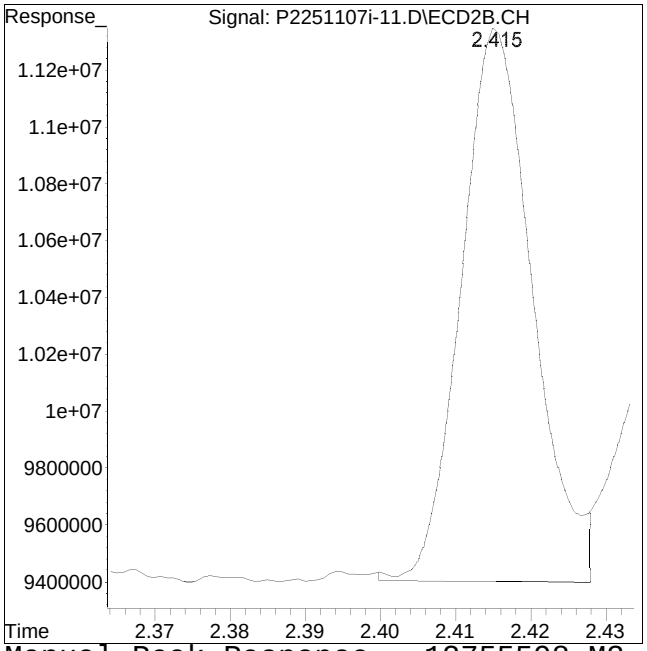
Original Peak Response = 10045010 Manual Peak Response = 11145482 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-11.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:57 Instrument : Pest 2
Sample : il41660,42e,,pp 12222 L20RQuant Date : 11/12/2025 4:20 pm

Compound #59: 1016-5 #2



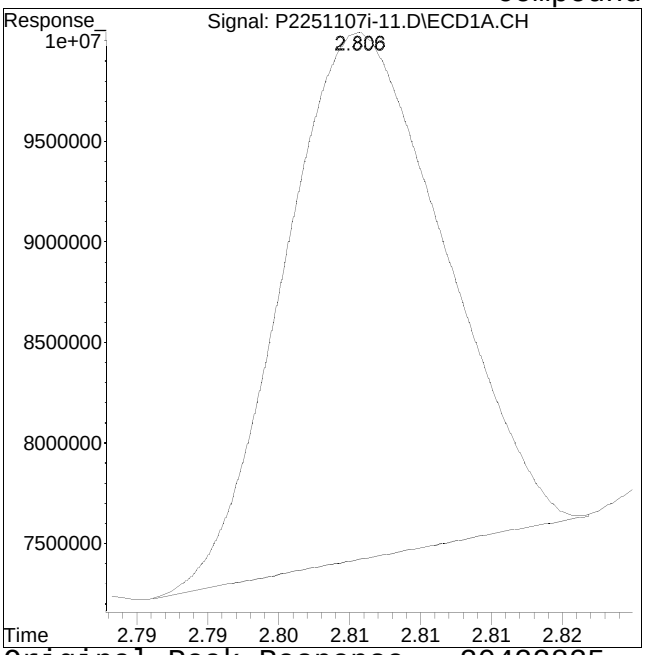


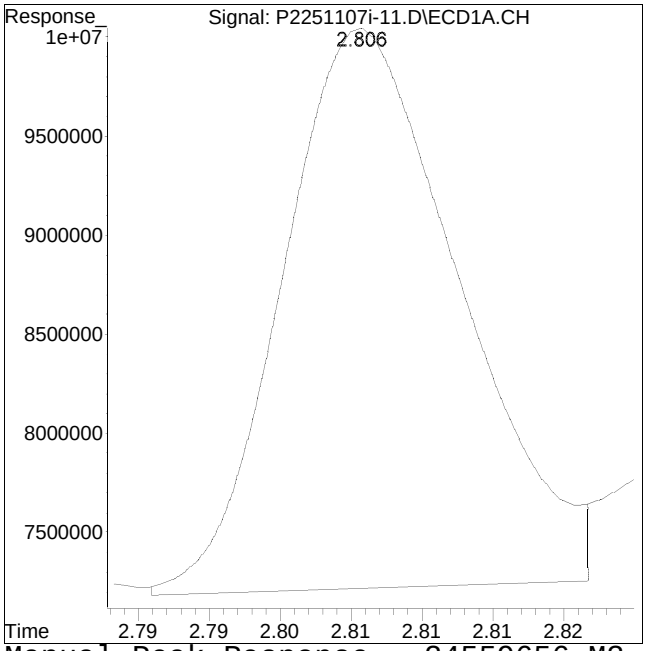
Original Peak Response = 12767820 Manual Peak Response = 12755598 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-11.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:57 Instrument : Pest 2
Sample : il41660,42e,,pp 12222 L20RQuant Date : 11/12/2025 4:20 pm

Compound #10: 1260-2



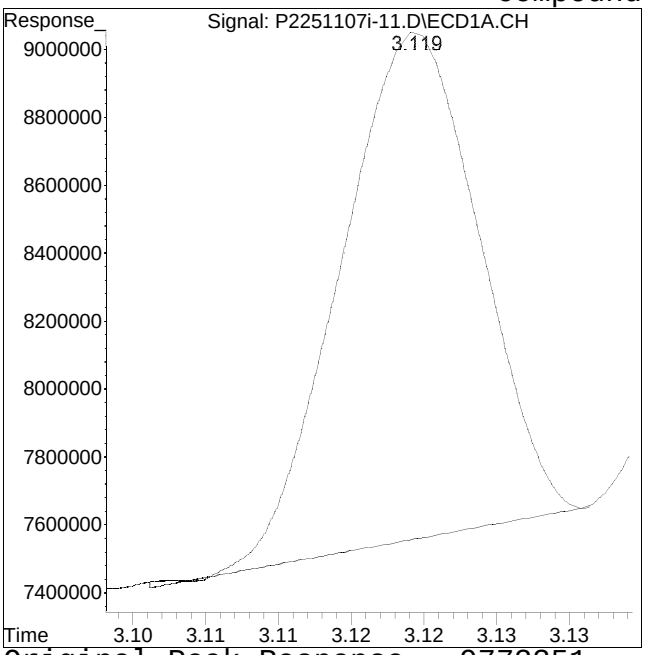


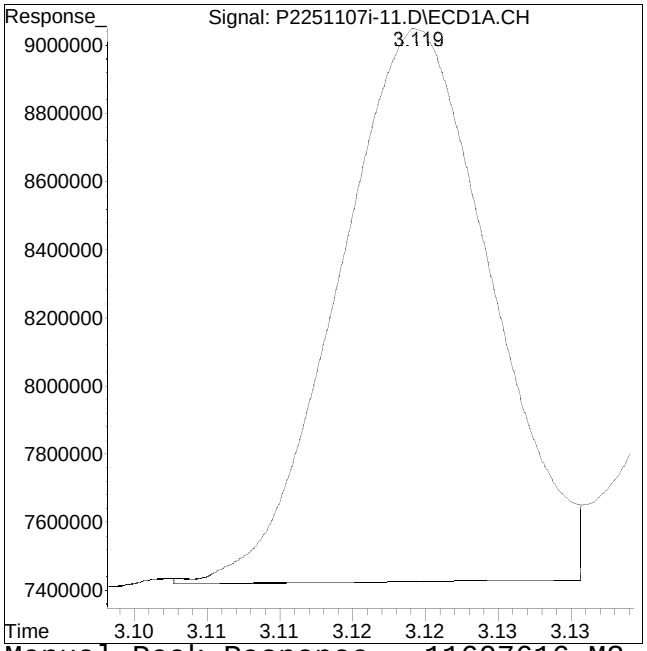
Original Peak Response = 20422835 Manual Peak Response = 24559656 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-11.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:57 Instrument : Pest 2
Sample : il41660,42e,,pp 12222 L20RQuant Date : 11/12/2025 4:20 pm

Compound #11: 1260-3



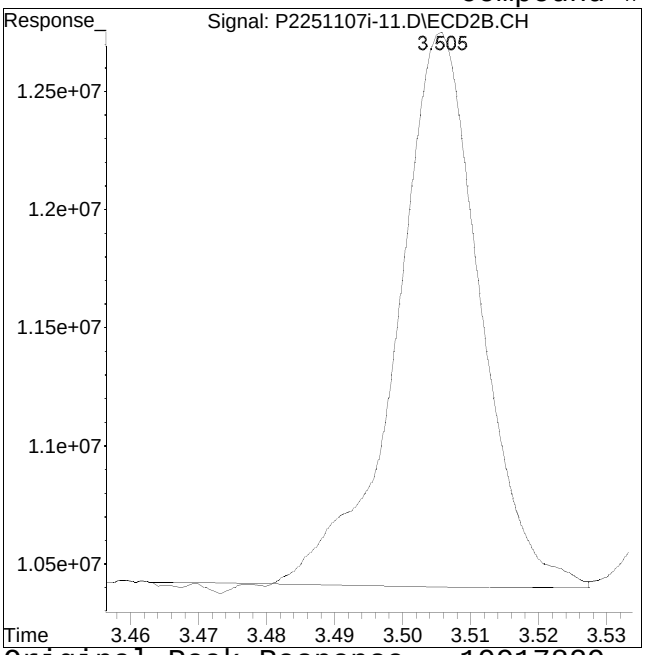


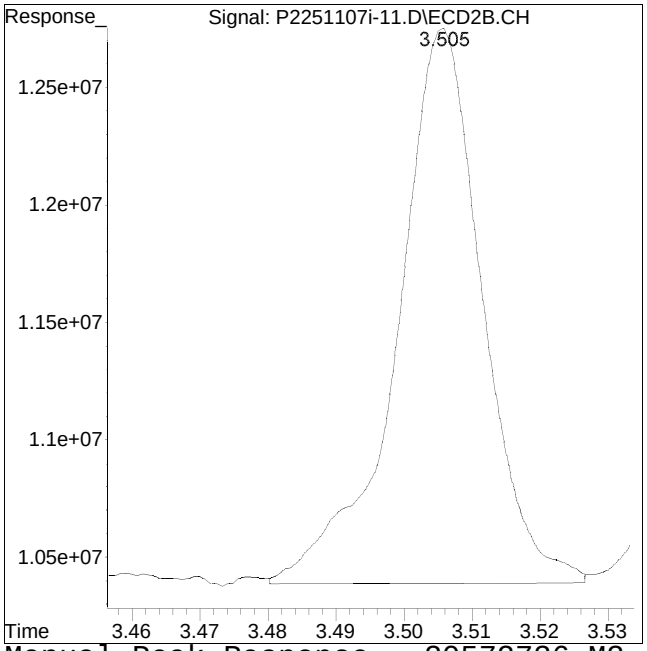
Original Peak Response = 9773351 Manual Peak Response = 11607616 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-11.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:57 Instrument : Pest 2
Sample : il41660,42e,,pp 12222 L20RQuant Date : 11/12/2025 4:20 pm

Compound #62: 1260-3 #2



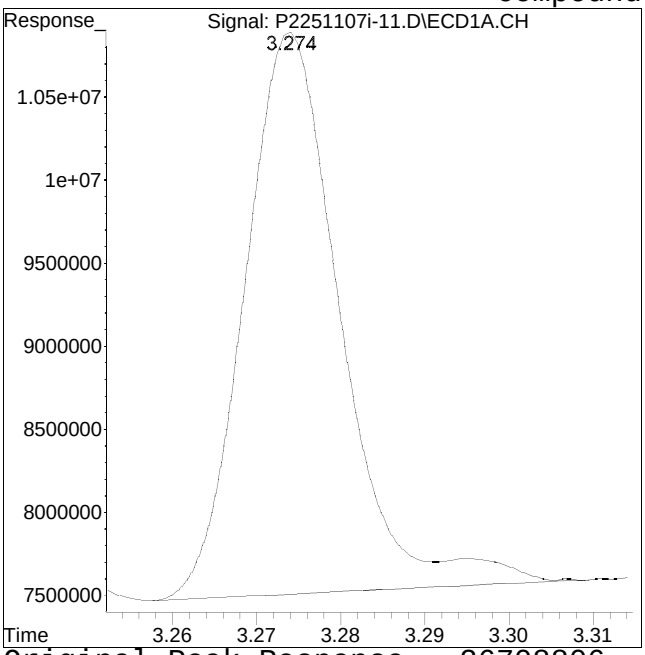


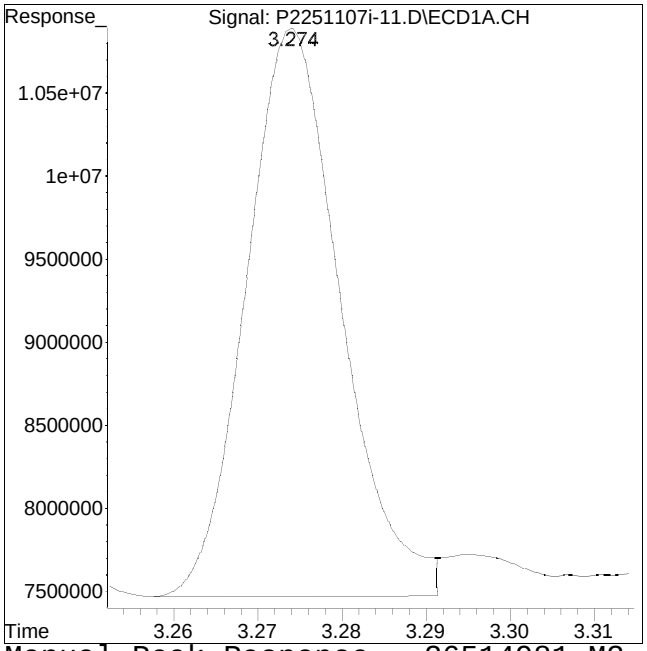
Original Peak Response = 19917829 Manual Peak Response = 20572736 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-11.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:57 Instrument : Pest 2
Sample : il41660,42e,,pp 12222 L20RQuant Date : 11/12/2025 4:20 pm

Compound #12: 1260-4



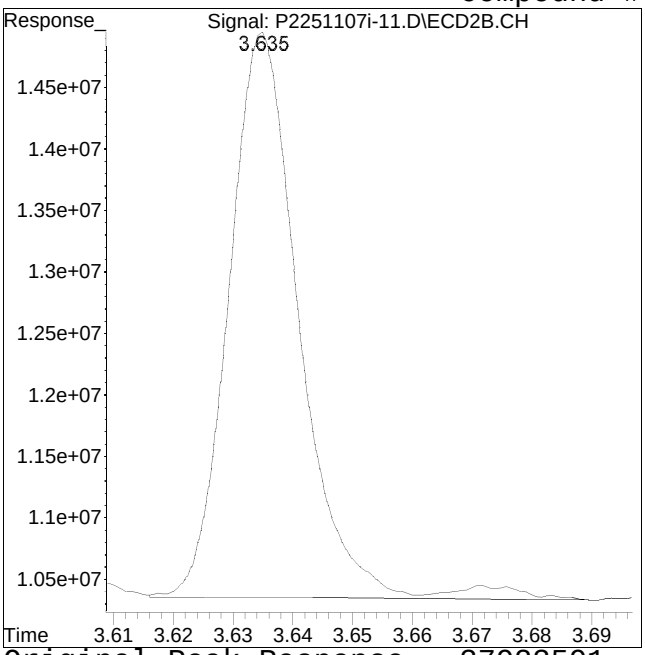


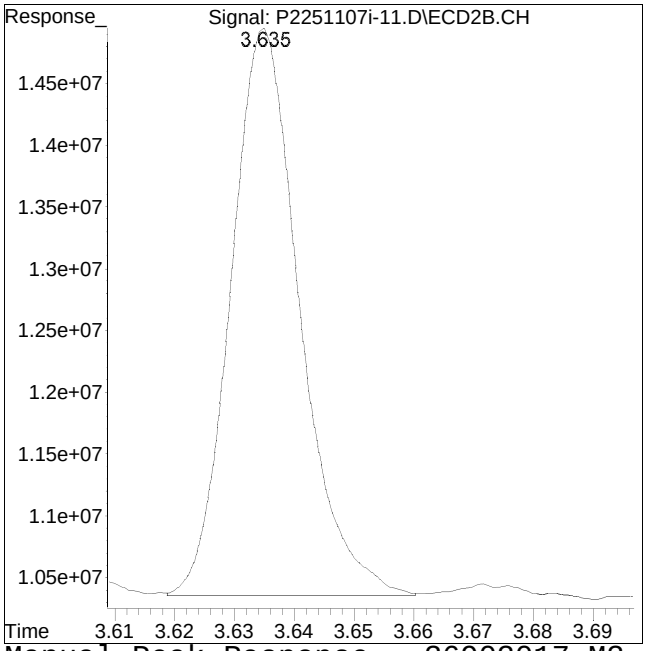
Original Peak Response = 26708806 Manual Peak Response = 26514981 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-11.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:57 Instrument : Pest 2
Sample : il41660,42e,,pp 12222 L20RQuant Date : 11/12/2025 4:20 pm

Compound #63: 1260-4 #2



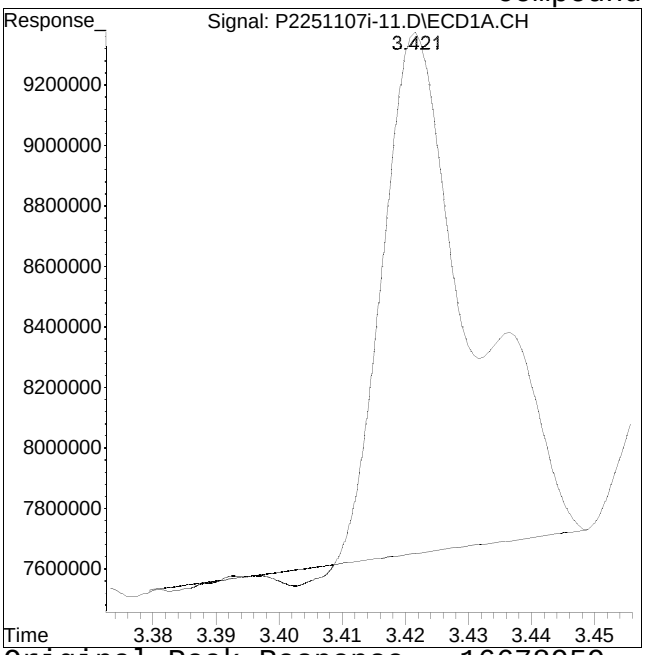


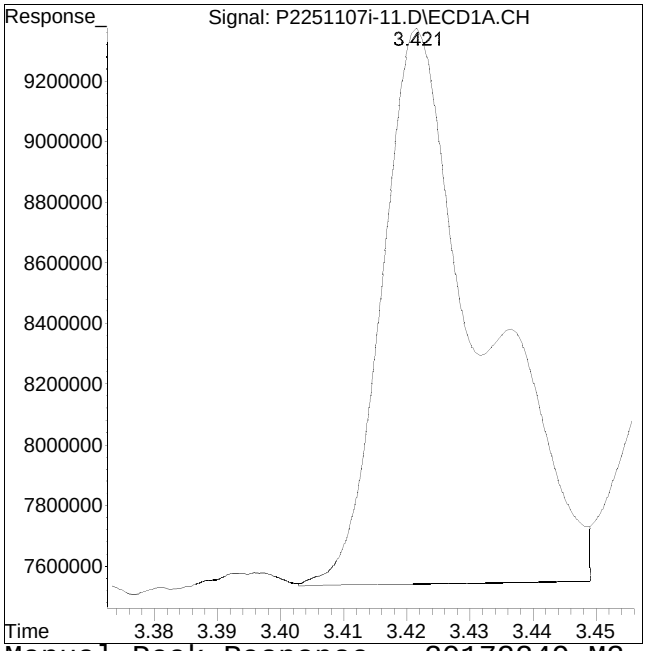
Original Peak Response = 37923591 Manual Peak Response = 36903017 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-11.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:57 Instrument : Pest 2
Sample : il41660,42e,,pp 12222 L20RQuant Date : 11/12/2025 4:20 pm

Compound #13: 1260-5



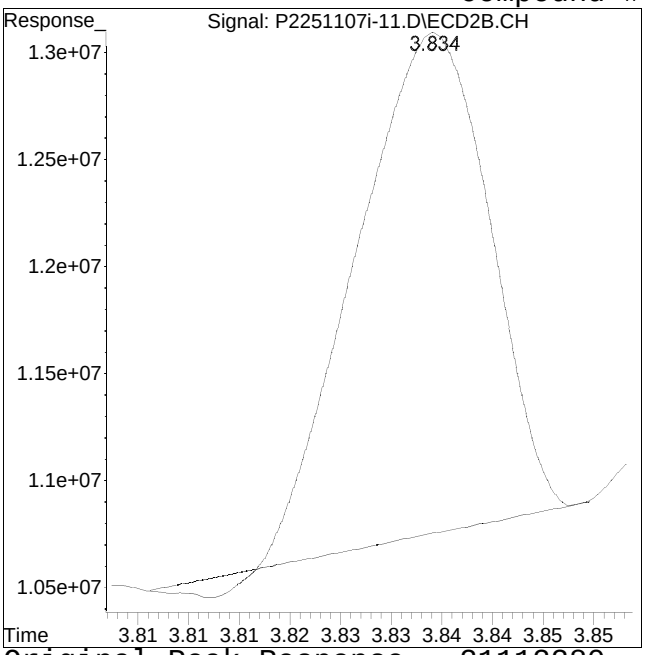


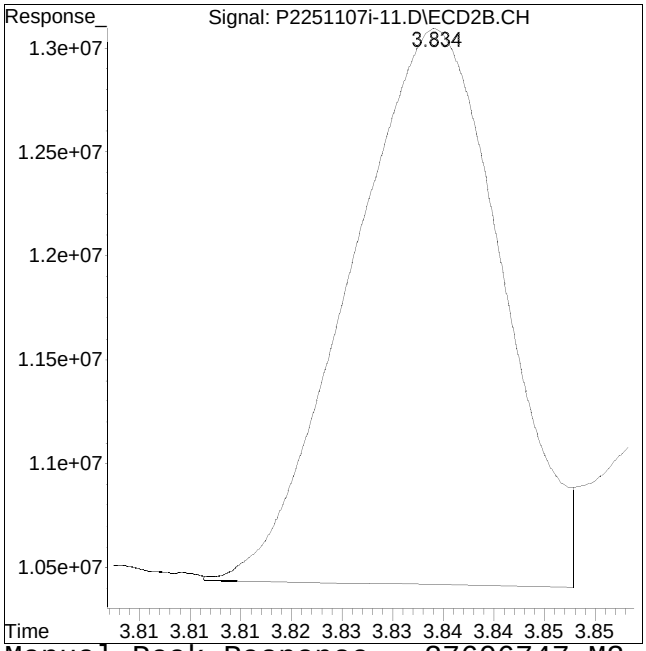
Original Peak Response = 16678959 Manual Peak Response = 20172249 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-11.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 11:57 Instrument : Pest 2
Sample : il41660,42e,,pp 12222 L20RQuant Date : 11/12/2025 4:20 pm

Compound #64: 1260-5 #2





Original Peak Response = 21112280 Manual Peak Response = 27606747 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:06
Operator : pest2:sdc
Sample : il51660,42e,,pp 12222 L30RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:03:36 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:03:18 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.173	1.227	314.9E6	550.3E6	25.000M3	25.000M3
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.452	1.589	46266481	72732379	2.872	2.957M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		5.74%#	5.91%#
3) s	Decachlorobi	4.004	4.477	38958893	48484143	3.063	3.389M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		6.13%#	6.78%#
	Target Compounds						
4) l1	1016-1	1.588	1.784	7985215	13041424	31.169M3	32.113M3
5) l1	1016-2	1.728	1.951	19337768	31198792	30.538	32.185M3
6) l1	1016-3	1.915	2.148	36783444	58922505	29.473	30.972
7) l1	1016-4	1.969	2.208	16046494	23670252	30.456	31.483
8) l1	1016-5	2.136	2.416	15889618	18388811	30.861M3	31.604
Sum	1016-1			96042538	145.2E6	152.497	158.356
Average	1016-1					30.499	31.671
9) l2	1260-1	2.676	3.017	22847552	34142156	29.927	29.820
10) l2	1260-2	2.805	3.118	35331531	41078307	29.380M3	32.420
11) l2	1260-3	3.119	3.505	18022852	29341996	29.086	32.807M3

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:06
Operator : pest2:sdc
Sample : il51660,42e,,pp 12222 L30RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:03:36 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:03:18 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12) l2	1260-4	3.273	3.635	37678987	53516694	27.914M3	32.520
13) l2	1260-5	3.421	3.834	29365641	39525588	29.078M1	32.428M3
Sum	1260-1			143.2E6	197.6E6	NoCal	NoCal D
Average	1260-1					29.077	31.999
15) l3	1221-1	0.000	0.000	0	0	N.D.	N.D.
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9	1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9	1268-4	0.000	0.000	0	0	N.D.	N.D.

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:06
Operator : pest2:sdc
Sample : il51660,42e,,pp 12222 L30RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:03:36 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:03:18 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:06
Operator : pest2:sdc
Sample : il51660,42e,,pp 12222 L30RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:03:36 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:03:18 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

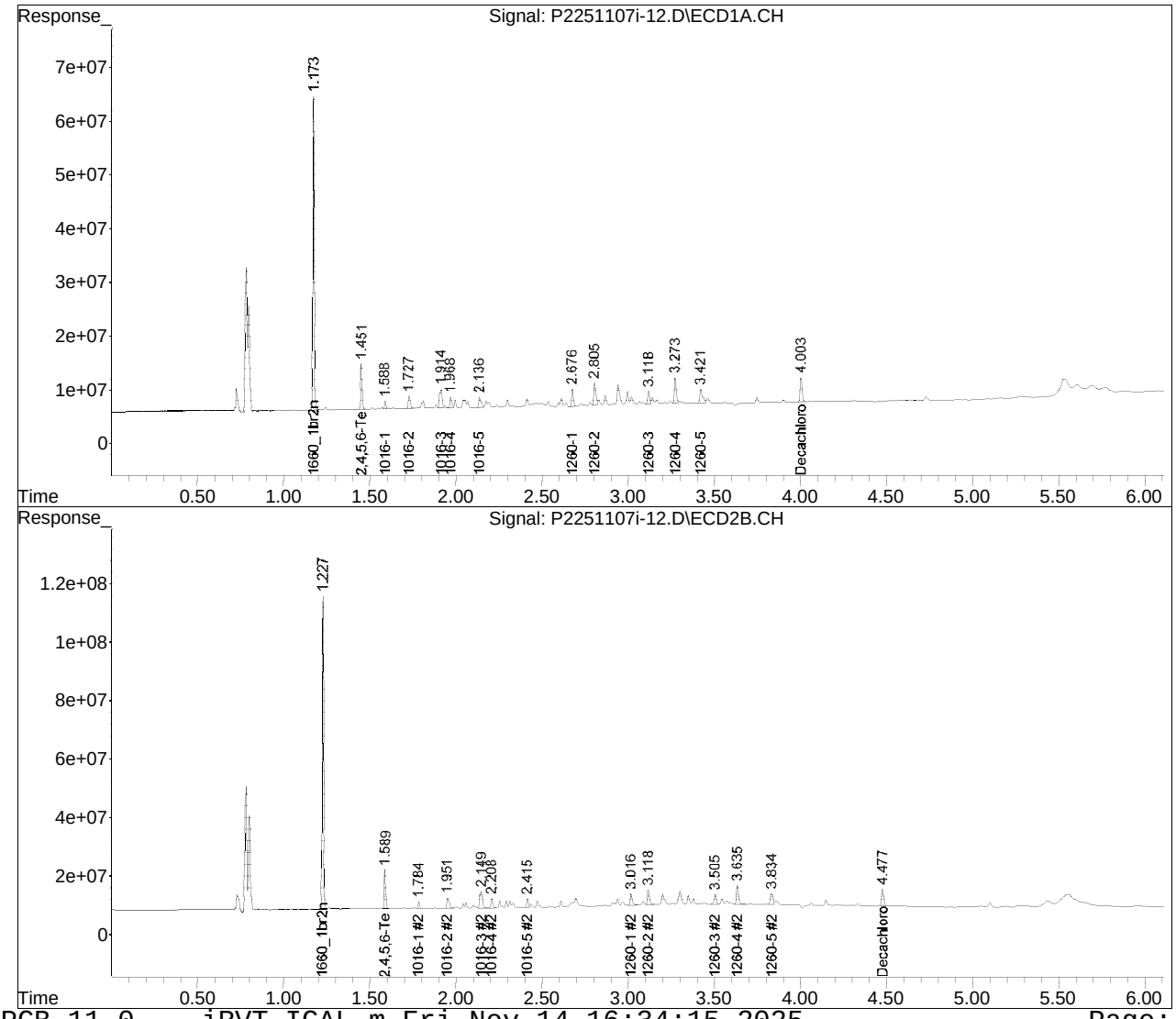
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:06
Operator : pest2:sdc
Sample : il51660,42e,,pp 12222 L30RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:03:36 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:03:18 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

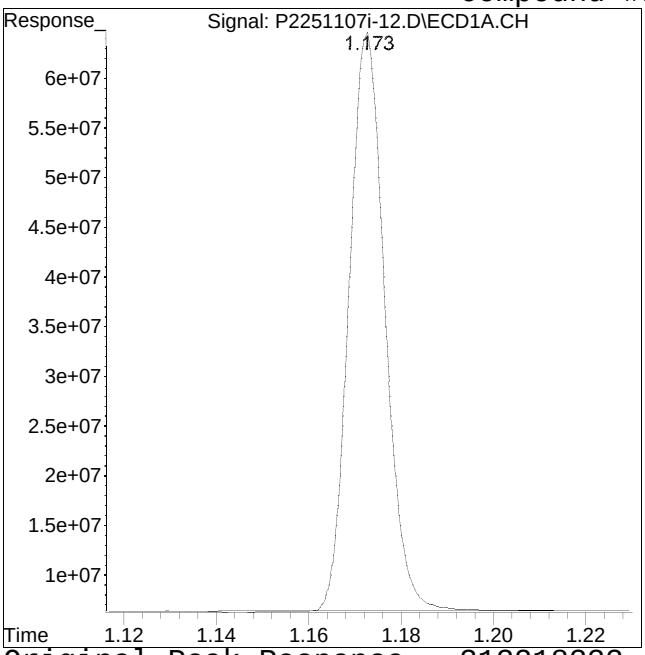
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

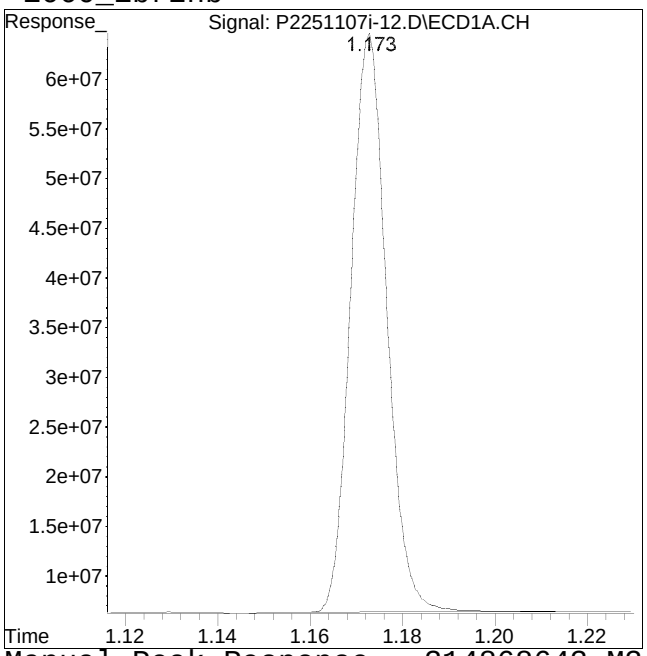


Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-12.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:06 Instrument : Pest 2
Sample : il51660,42e,,pp 12222 L30RQuant Date : 11/12/2025 4:03 pm

Compound #1: 1660_1br2nb



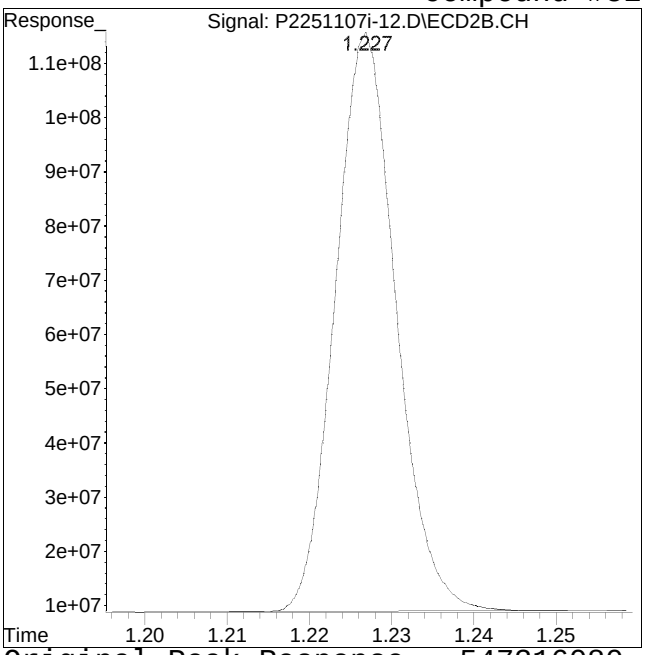


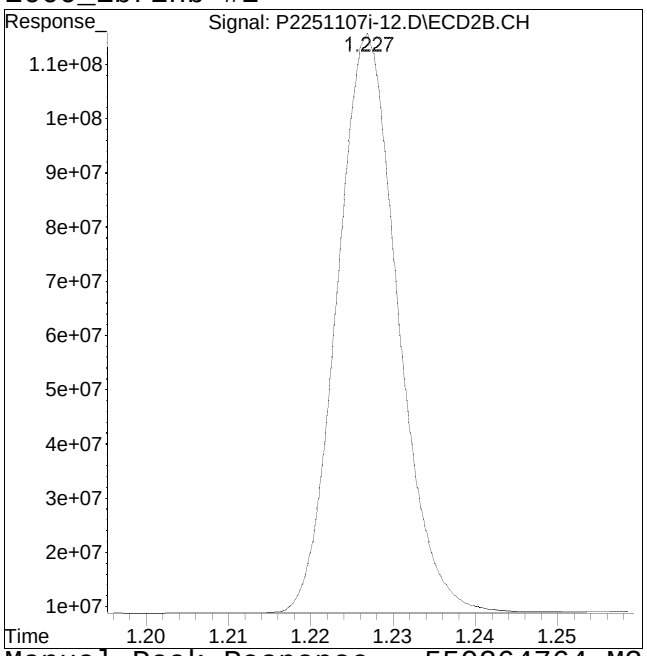
Original Peak Response = 313218333 Manual Peak Response = 314868643 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-12.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:06 Instrument : Pest 2
Sample : il51660,42e,,pp 12222 L30RQuant Date : 11/12/2025 4:03 pm

Compound #52: 1660_1br2nb #2



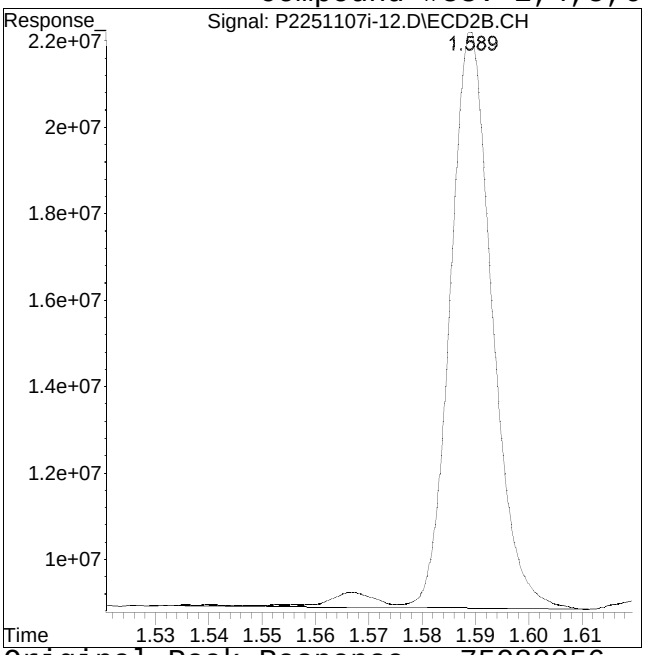


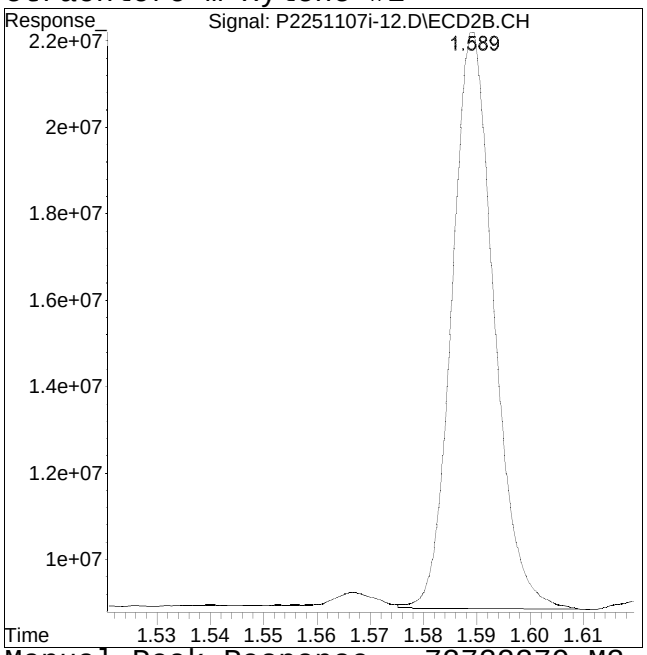
Original Peak Response = 547316080 Manual Peak Response = 550264764 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-12.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:06 Instrument : Pest 2
Sample : il51660,42e,,pp 12222 L30RQuant Date : 11/12/2025 4:03 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



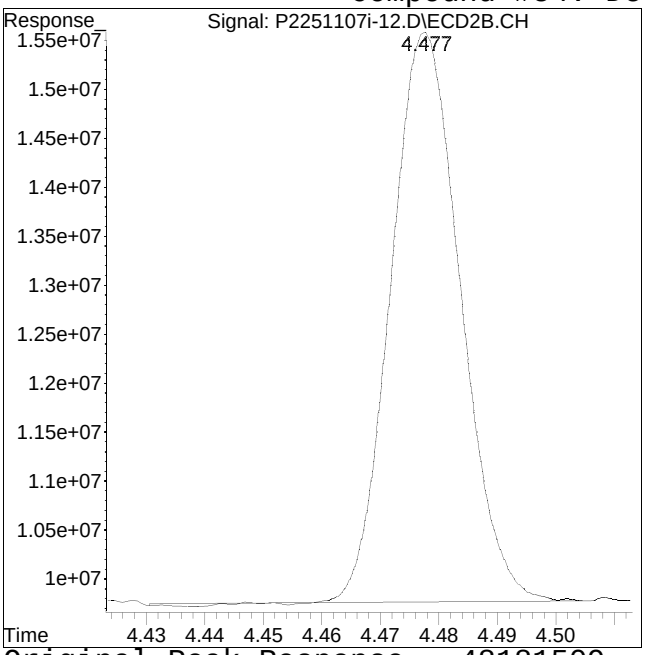


Original Peak Response = 75083956 Manual Peak Response = 72732379 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

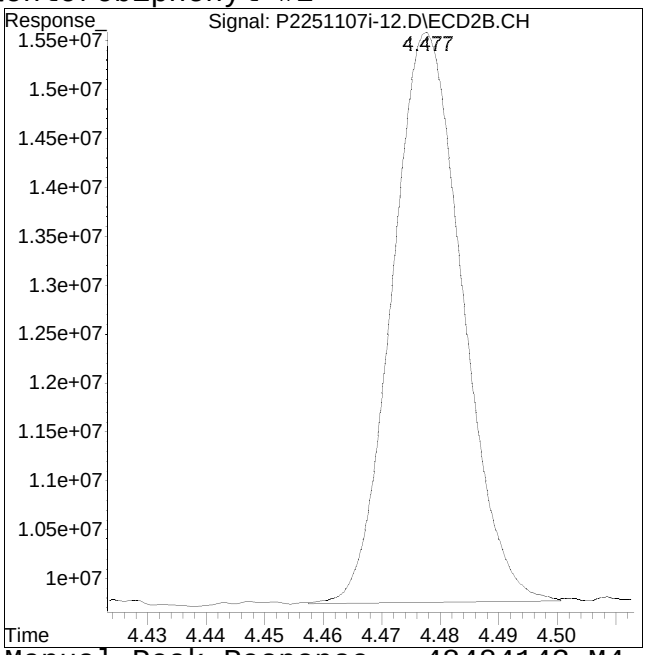
Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-12.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:06 Instrument : Pest 2
Sample : il51660,42e,,pp 12222 L30RQuant Date : 11/12/2025 4:03 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 48181509



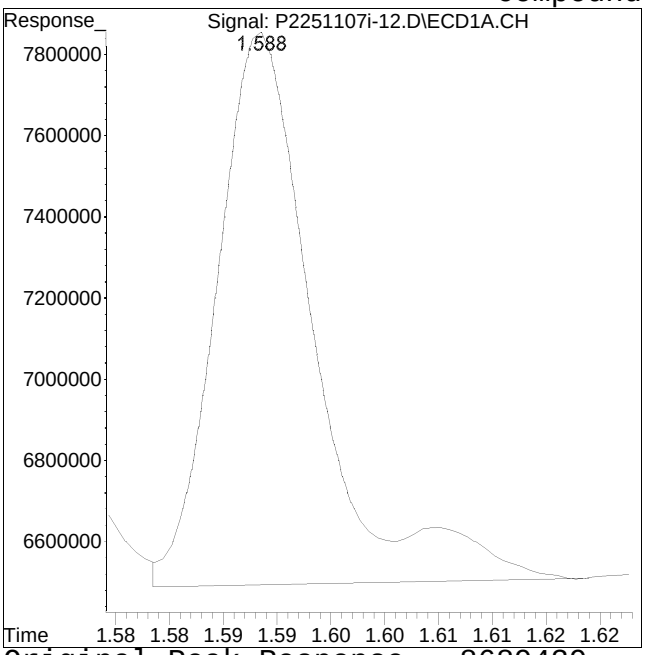
Manual Peak Response = 48484143 M4

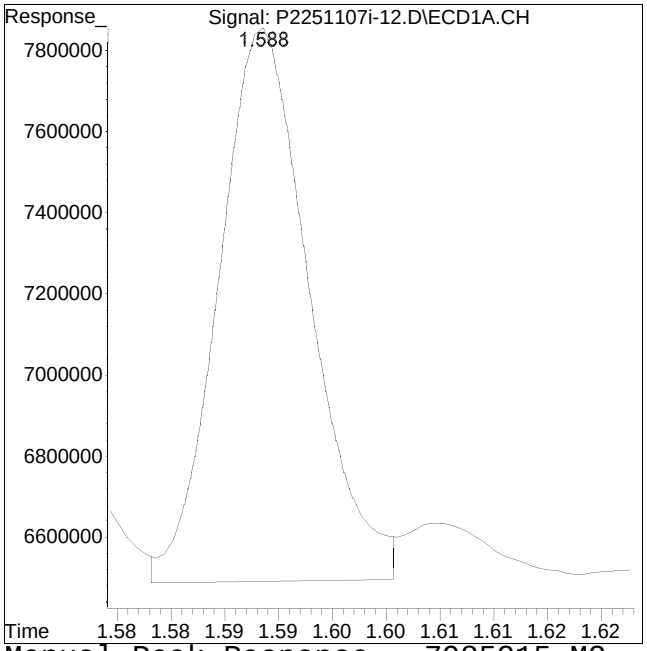
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-12.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:06 Instrument : Pest 2
Sample : il51660,42e,,pp 12222 L30RQuant Date : 11/12/2025 4:03 pm

Compound #4: 1016-1



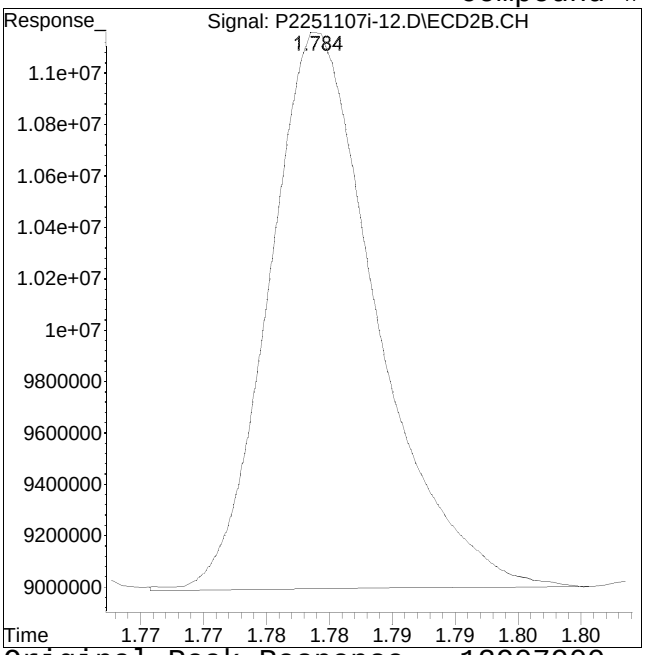


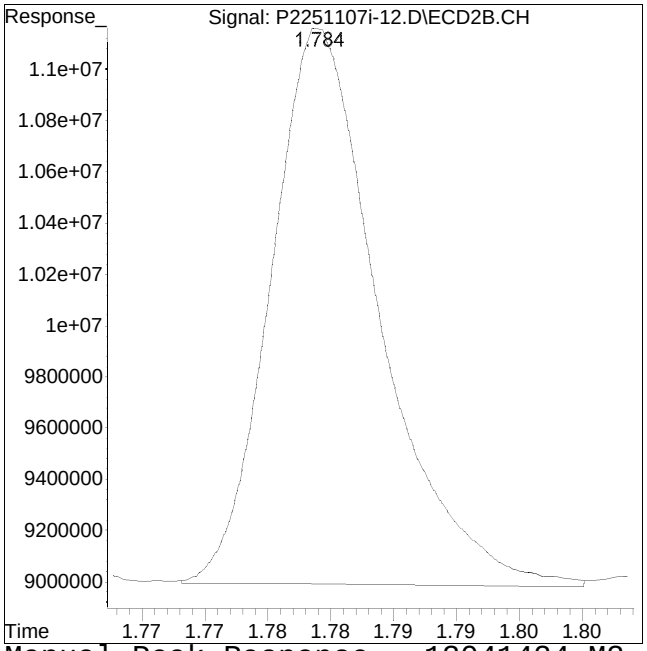
Original Peak Response = 8689439 Manual Peak Response = 7985215 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-12.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:06 Instrument : Pest 2
Sample : il51660,42e,,pp 12222 L30RQuant Date : 11/12/2025 4:03 pm

Compound #55: 1016-1 #2



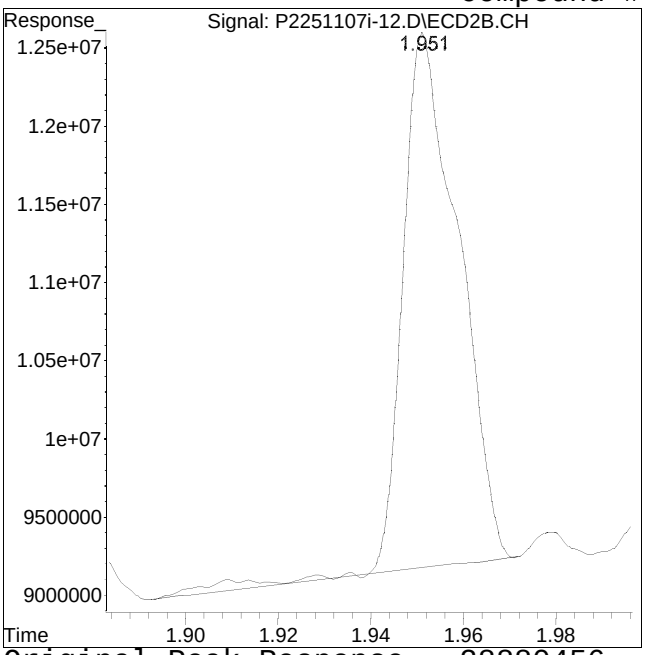


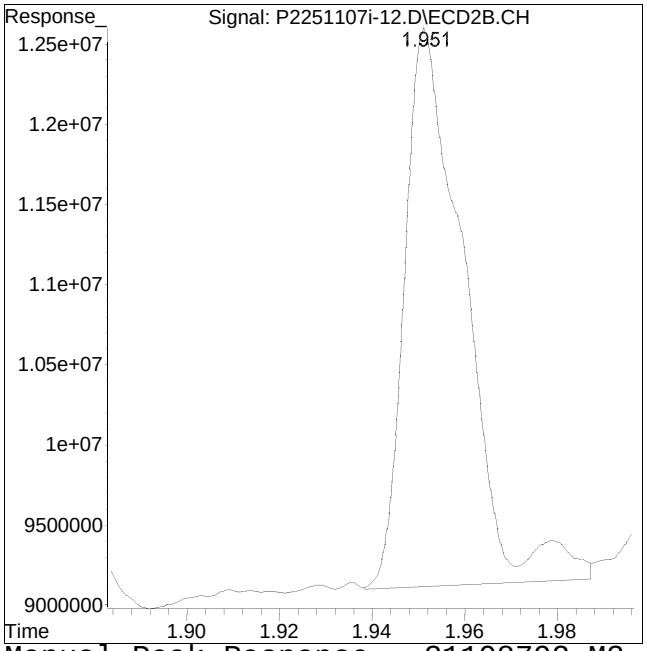
Original Peak Response = 12907900 Manual Peak Response = 13041424 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-12.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:06 Instrument : Pest 2
Sample : il51660,42e,,pp 12222 L30RQuant Date : 11/12/2025 4:03 pm

Compound #56: 1016-2 #2



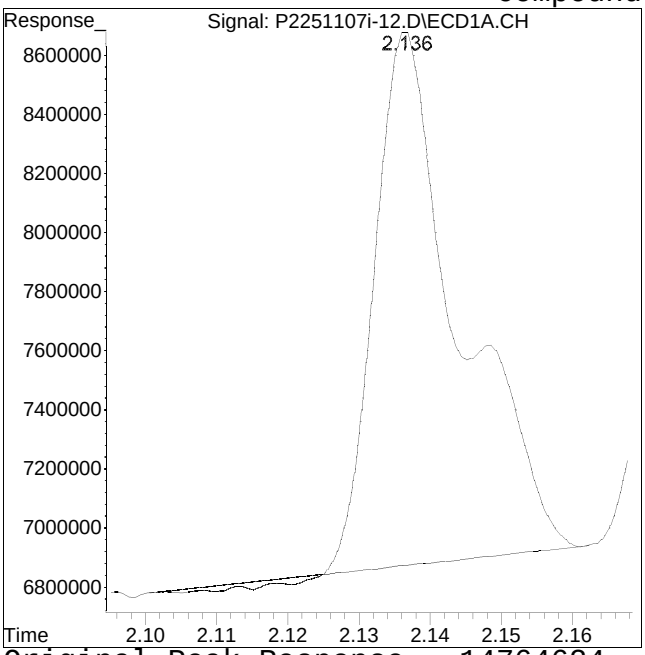


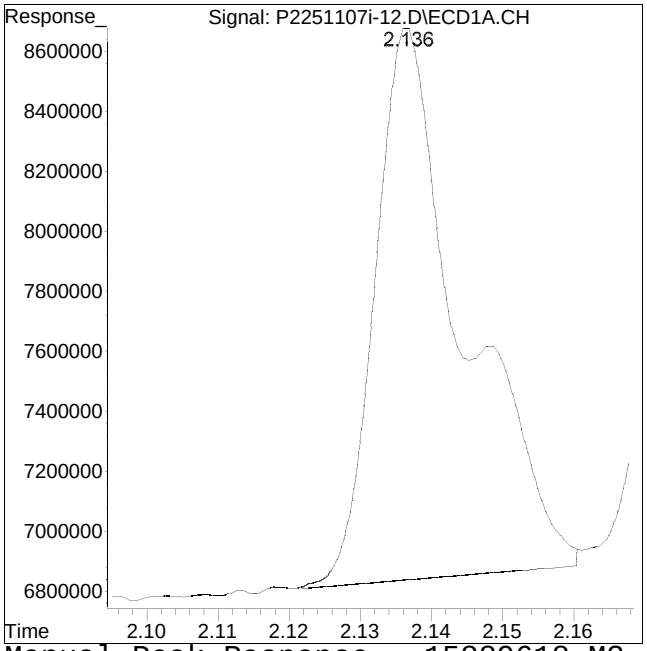
Original Peak Response = 28880456 Manual Peak Response = 31198792 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-12.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:06 Instrument : Pest 2
Sample : il51660,42e,,pp 12222 L30RQuant Date : 11/12/2025 4:03 pm

Compound #8: 1016-5



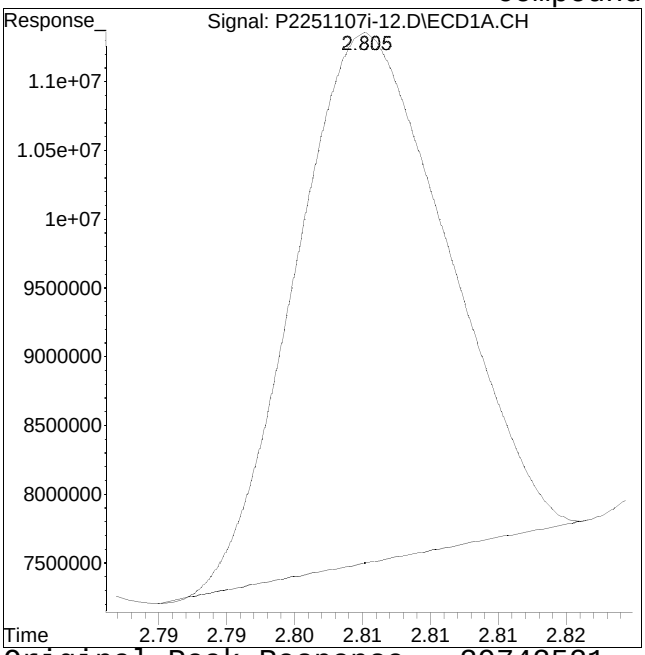


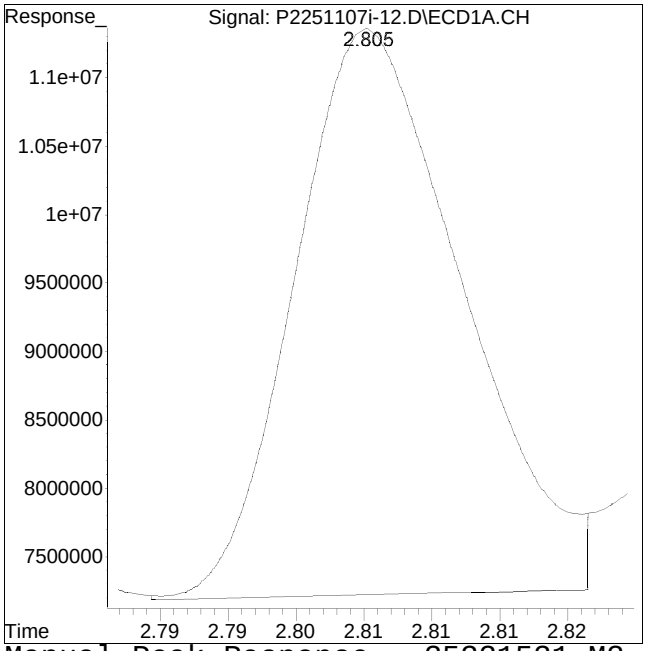
Original Peak Response = 14764624 Manual Peak Response = 15889618 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-12.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:06 Instrument : Pest 2
Sample : il51660,42e,,pp 12222 L30RQuant Date : 11/12/2025 4:03 pm

Compound #10: 1260-2



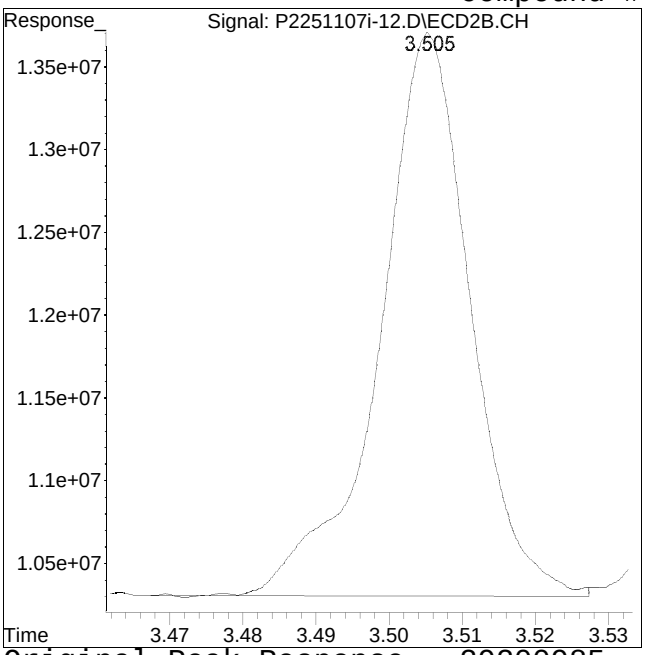


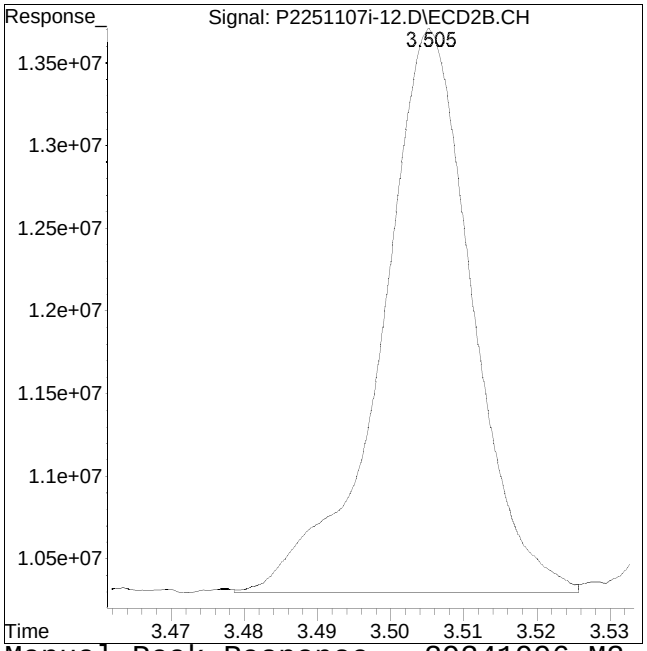
Original Peak Response = 29742521 Manual Peak Response = 35331531 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-12.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:06 Instrument : Pest 2
Sample : il51660,42e,,pp 12222 L30RQuant Date : 11/12/2025 4:03 pm

Compound #62: 1260-3 #2



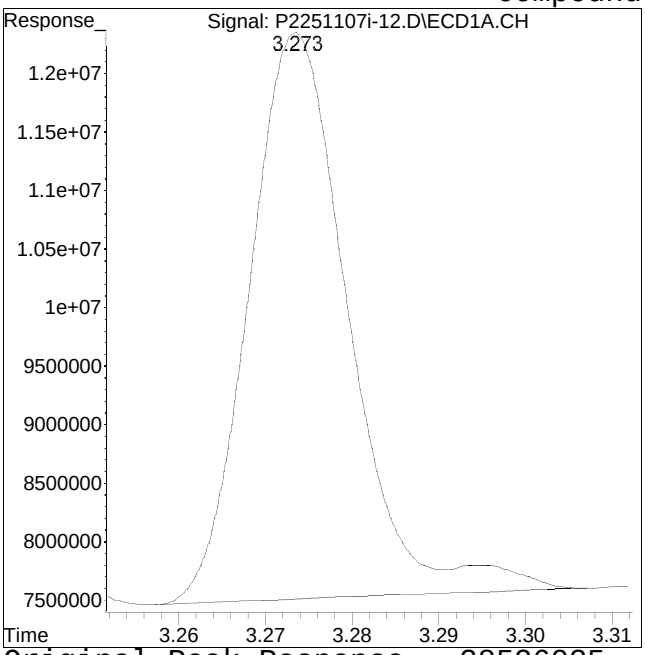


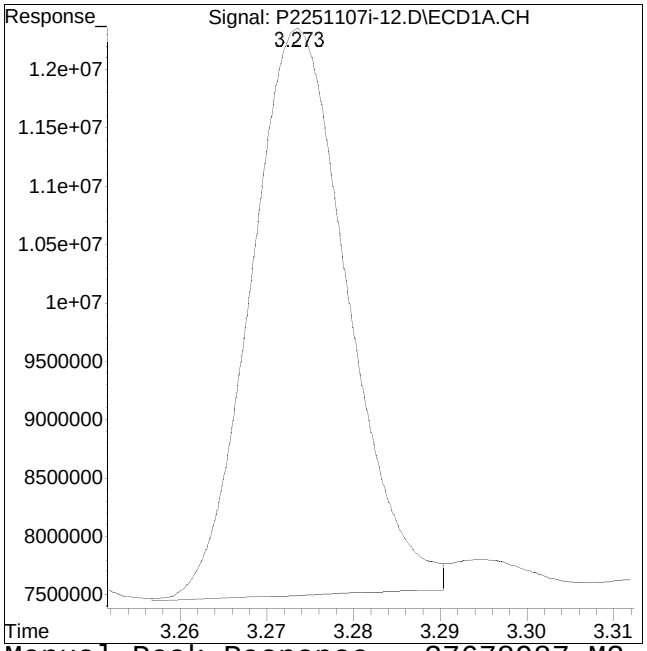
Original Peak Response = 29200985 Manual Peak Response = 29341996 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-12.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:06 Instrument : Pest 2
Sample : il51660,42e,,pp 12222 L30RQuant Date : 11/12/2025 4:03 pm

Compound #12: 1260-4



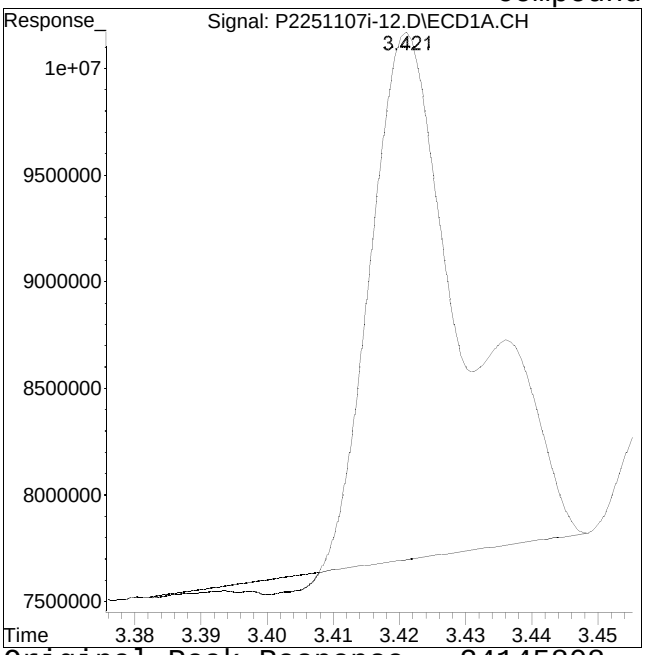


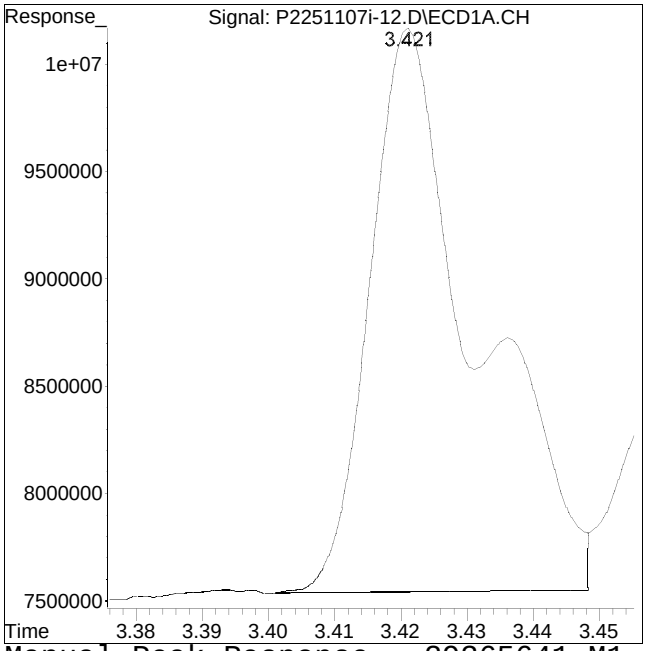
Original Peak Response = 38526035 Manual Peak Response = 37678987 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-12.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:06 Instrument : Pest 2
Sample : il51660,42e,,pp 12222 L30RQuant Date : 11/12/2025 4:03 pm

Compound #13: 1260-5



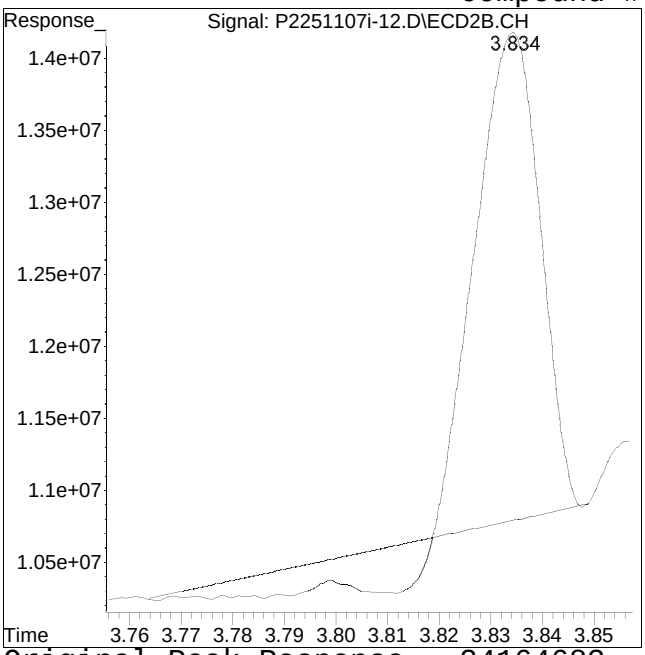


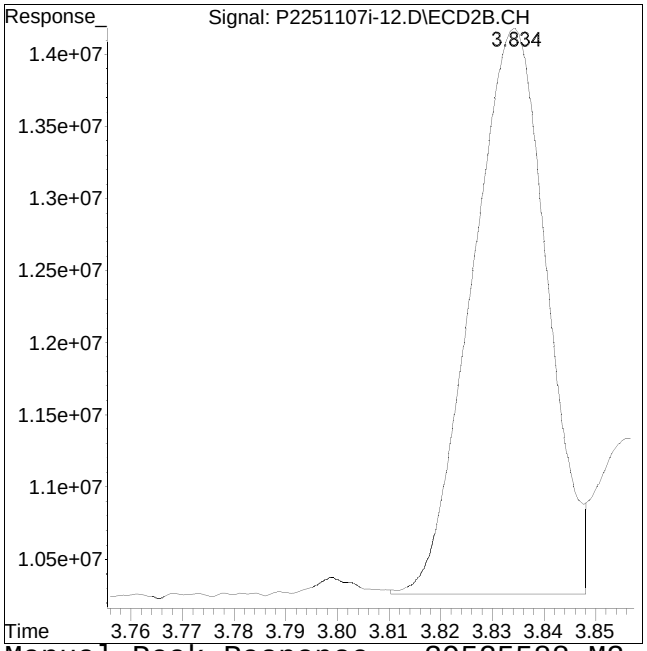
Original Peak Response = 24145808 Manual Peak Response = 29365641 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-12.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:06 Instrument : Pest 2
Sample : il51660,42e,,pp 12222 L30RQuant Date : 11/12/2025 4:03 pm

Compound #64: 1260-5 #2





Original Peak Response = 24164683 Manual Peak Response = 39525588 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:14
Operator : pest2:sdc
Sample : il61660,42e,,pp 12222 L40RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:01:44 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:01:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.173	1.227	330.3E6	570.9E6	25.000M3	25.000M3
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.452	1.589	65479980	100.6E6	3.851	3.948M3
	Spiked Amount	50.000	Range 30 - 150		Recovery =	7.70%#	7.90%#
3) s	Decachlorobi	4.005	4.478	54568686	64773197	4.109	4.439M3
	Spiked Amount	50.000	Range 30 - 150		Recovery =	8.22%#	8.88%#
	Target Compounds						
4) l1	1016-1	1.589	1.784	10995160	18152321	41.104M3	43.980M3
5) l1	1016-2	1.728	1.951	27658136	43418144	41.984	43.288M3
6) l1	1016-3	1.915	2.148	51425102	81694930	39.142	41.680
7) l1	1016-4	1.969	2.209	22259141	32914201	40.332	42.665
8) l1	1016-5	2.137	2.416	20619497	25542724	37.834	42.808
	Sum 1016-1			133.0E6	201.7E6	200.395	214.421
	Average 1016-1					40.079	42.884
9) l2	1260-1	2.676	3.017	32309448	51656951	40.416	44.260
10) l2	1260-2	2.806	3.119	50737227	57569292	40.267	44.640
11) l2	1260-3	3.120	3.506	25448289	39836019	38.989	44.096M3
12) l2	1260-4	3.274	3.636	55100908	71928648	38.706M3	42.582

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:14
Operator : pest2:sdc
Sample : il61660,42e,,pp 12222 L40RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:01:44 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:01:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13) l2	1260-5	3.422	3.834	42108725	54059100	39.701	43.345M3
Sum	1260-1			205.7E6	275.1E6	NoCal	NoCal D
Average	1260-1					39.616	43.785
15) l3	1221-1	0.000	0.000	0	0	N.D.	N.D.
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9	1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:14
Operator : pest2:sdc
Sample : il61660,42e,,pp 12222 L40RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:01:44 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:01:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1268-1					0.000	0.000
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:14
Operator : pest2:sdc
Sample : il61660,42e,,pp 12222 L40RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:01:44 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:01:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

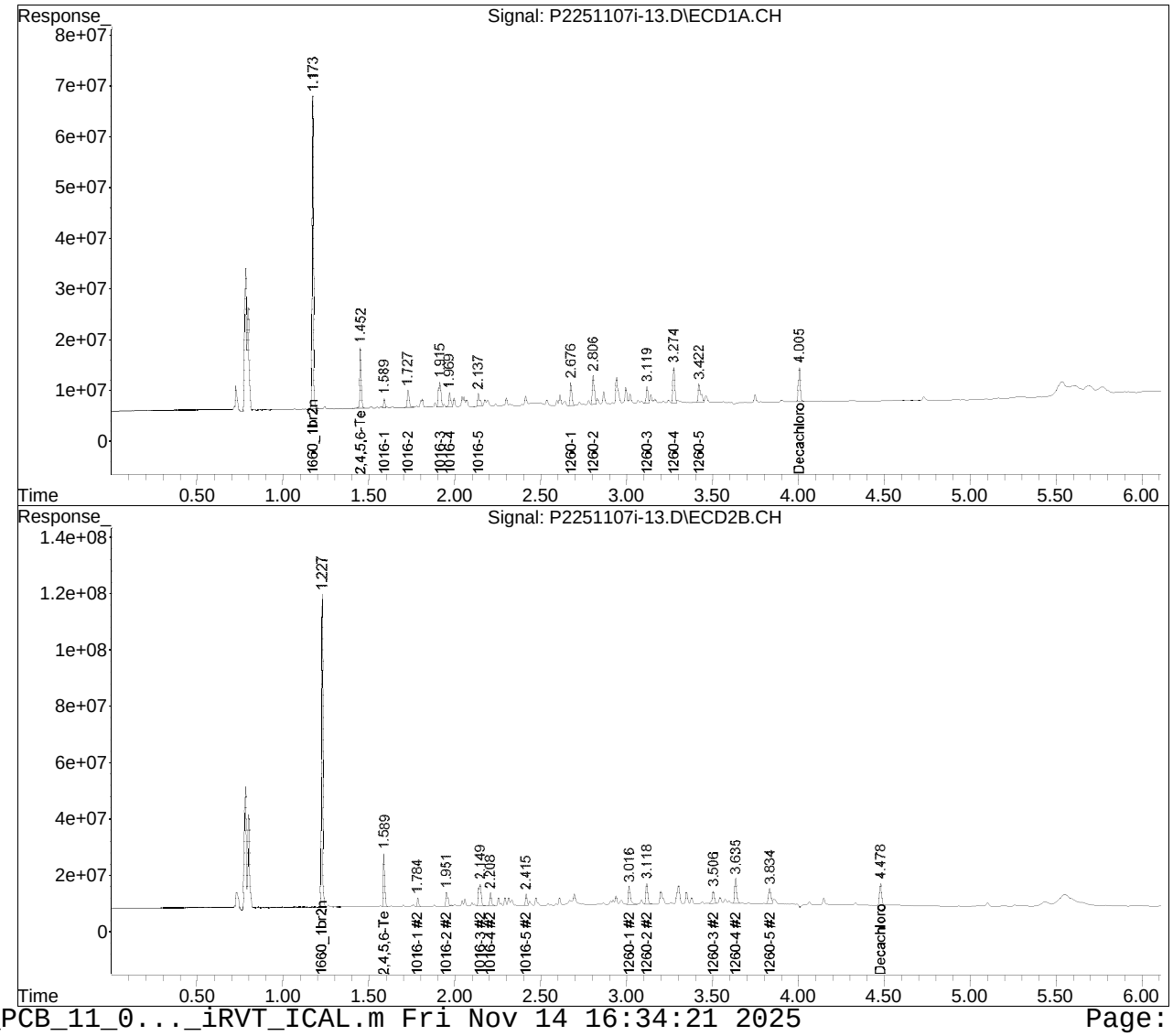
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:14
Operator : pest2:sdc
Sample : il61660,42e,,pp 12222 L40RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 16:01:44 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 16:01:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

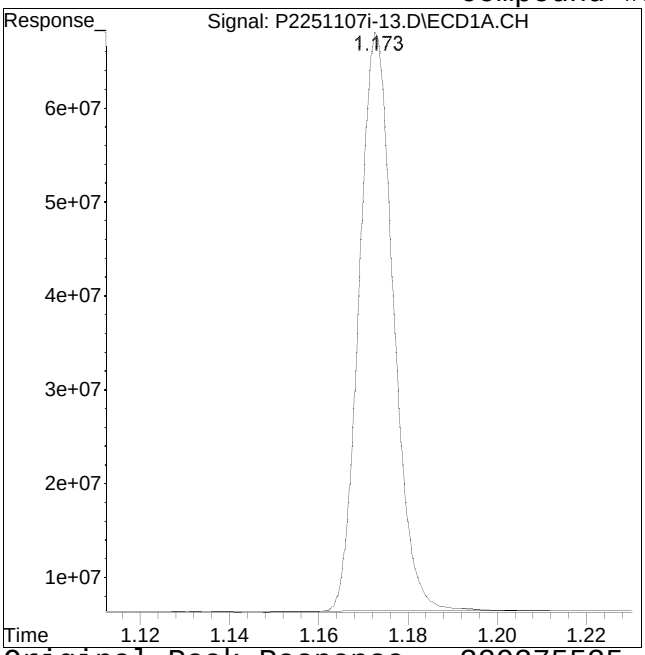
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

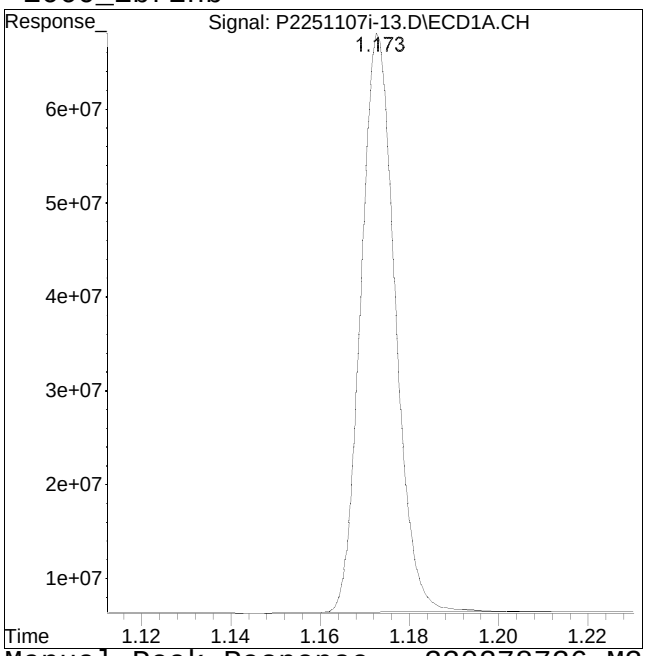


Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-13.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:14 Instrument : Pest 2
Sample : il61660,42e,,pp 12222 L40RQuant Date : 11/12/2025 4:01 pm

Compound #1: 1660_1br2nb



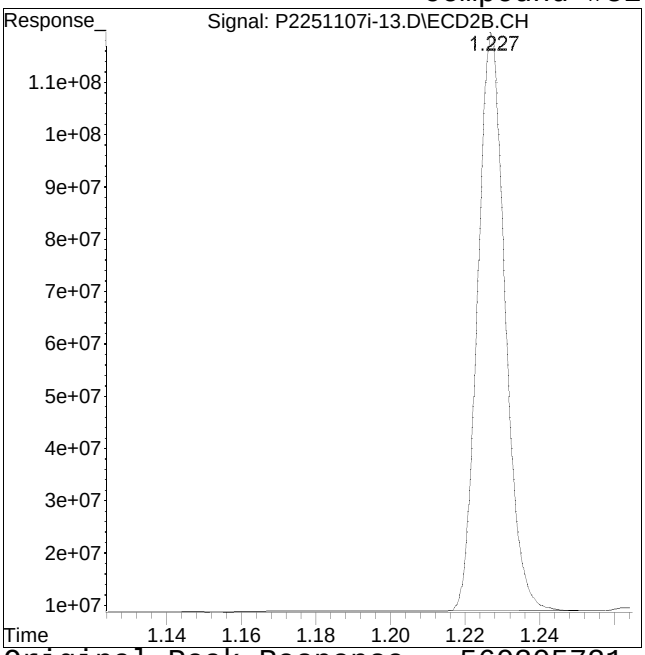


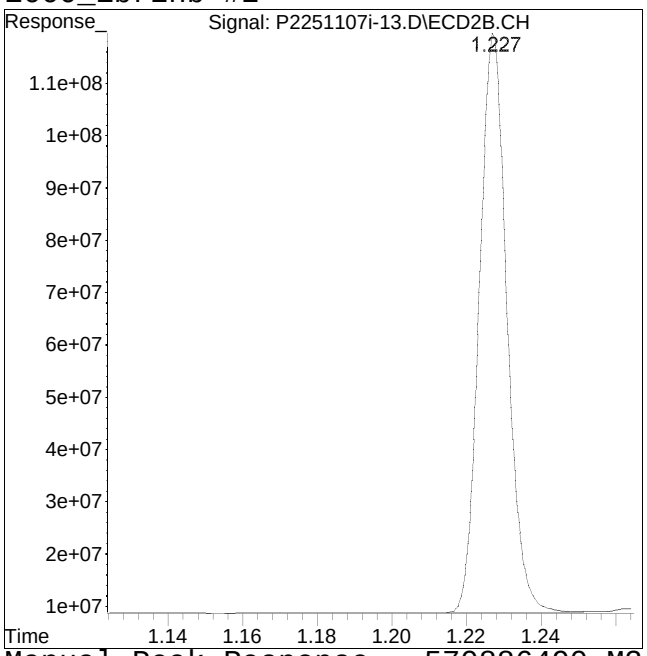
Original Peak Response = 329375535 Manual Peak Response = 330278736 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-13.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:14 Instrument : Pest 2
Sample : il61660,42e,,pp 12222 L40RQuant Date : 11/12/2025 4:01 pm

Compound #52: 1660_1br2nb #2



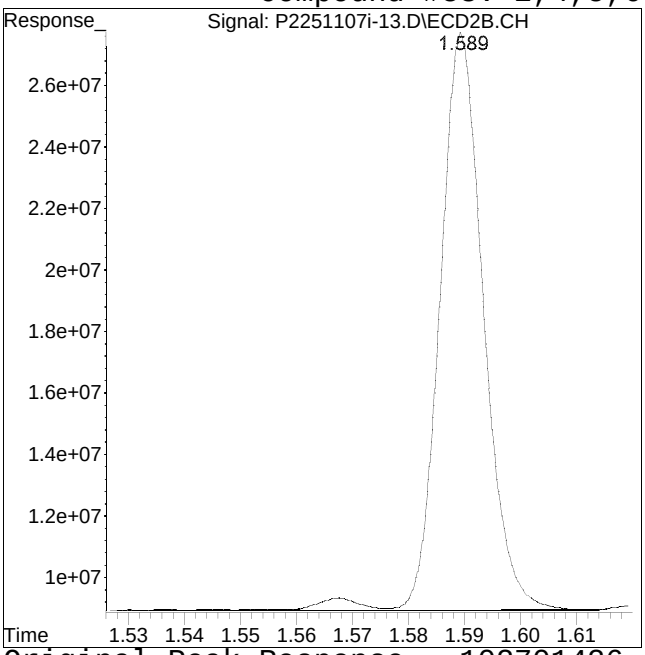


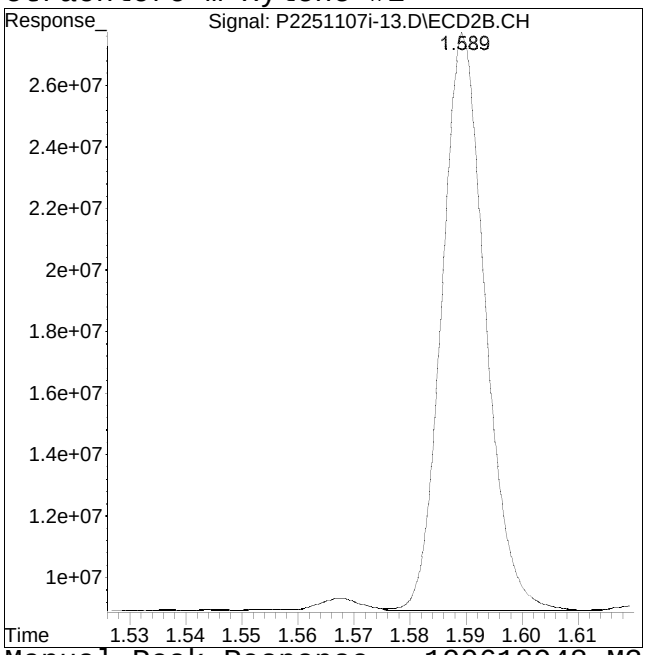
Original Peak Response = 560305721 Manual Peak Response = 570886490 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-13.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:14 Instrument : Pest 2
Sample : il61660,42e,,pp 12222 L40RQuant Date : 11/12/2025 4:01 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



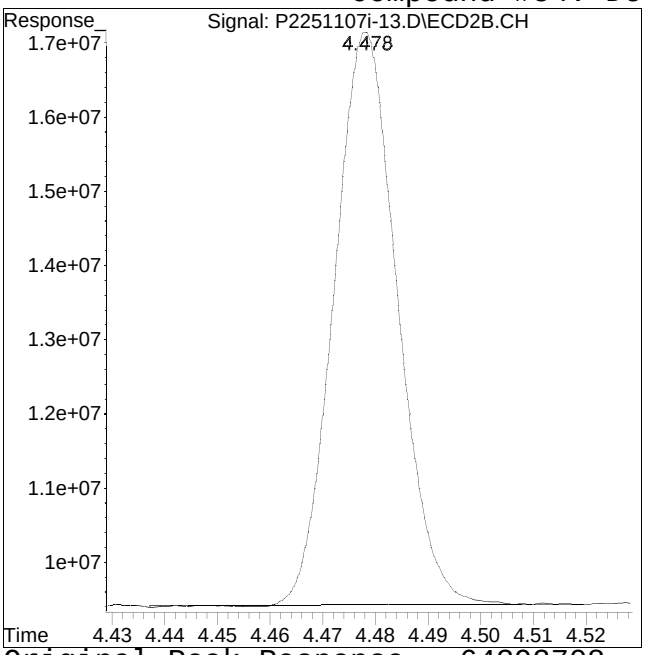


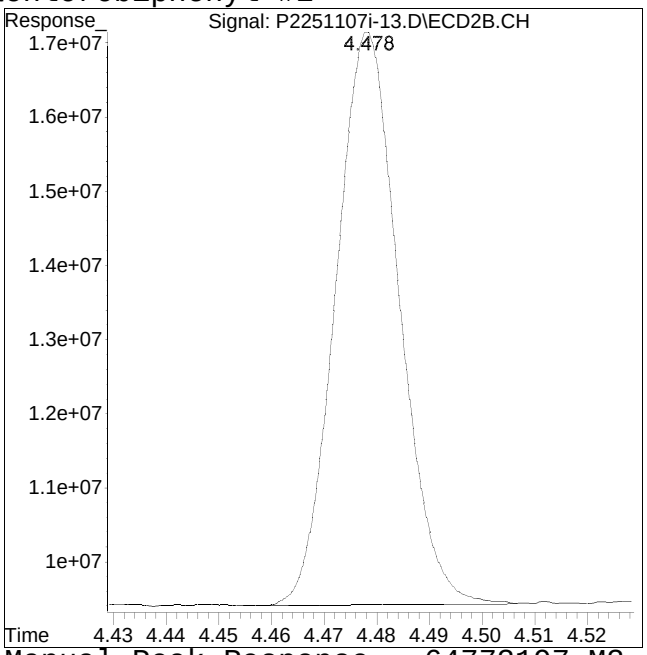
Original Peak Response = 102701426 Manual Peak Response = 100618948 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-13.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:14 Instrument : Pest 2
Sample : il61660,42e,,pp 12222 L40RQuant Date : 11/12/2025 4:01 pm

Compound #54: Decachlorobiphenyl #2



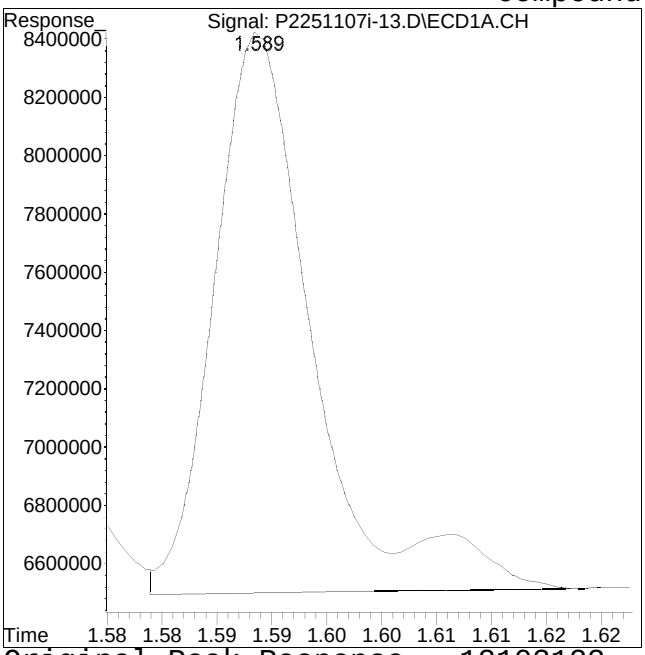


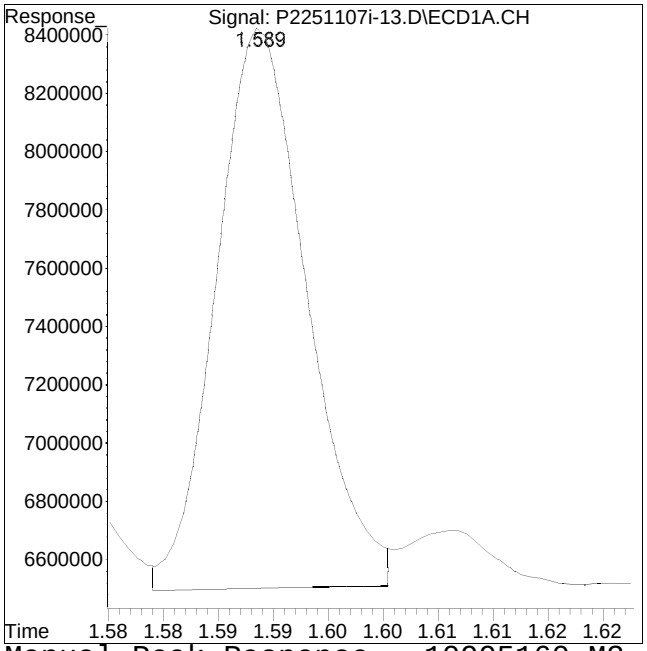
Original Peak Response = 64392708 Manual Peak Response = 64773197 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-13.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:14 Instrument : Pest 2
Sample : il61660,42e,,pp 12222 L40RQuant Date : 11/12/2025 4:01 pm

Compound #4: 1016-1



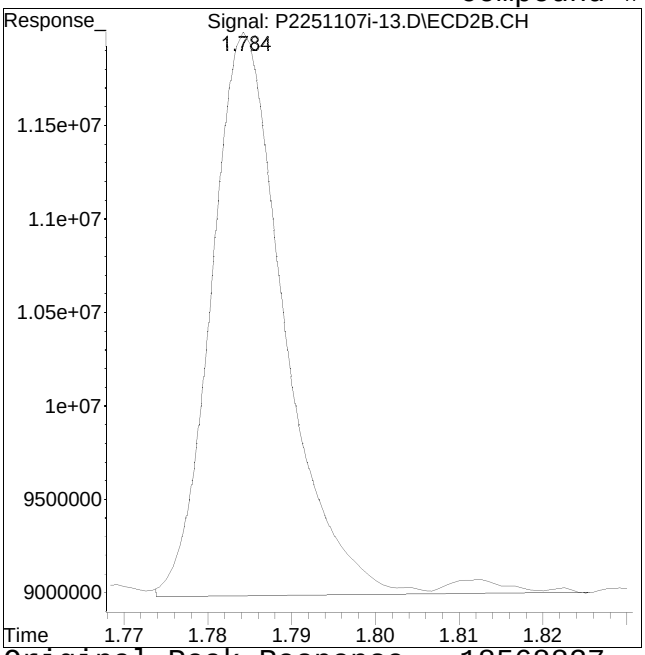


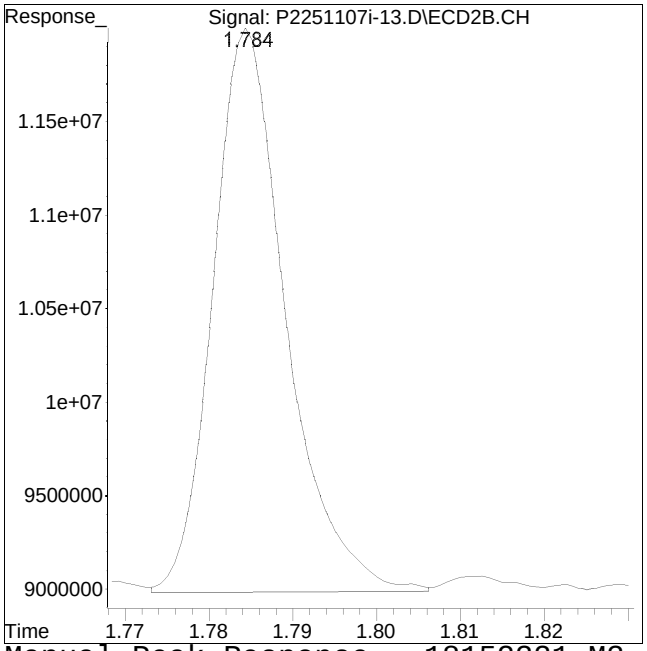
Original Peak Response = 12103122 Manual Peak Response = 10995160 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-13.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:14 Instrument : Pest 2
Sample : il61660,42e,,pp 12222 L40RQuant Date : 11/12/2025 4:01 pm

Compound #55: 1016-1 #2



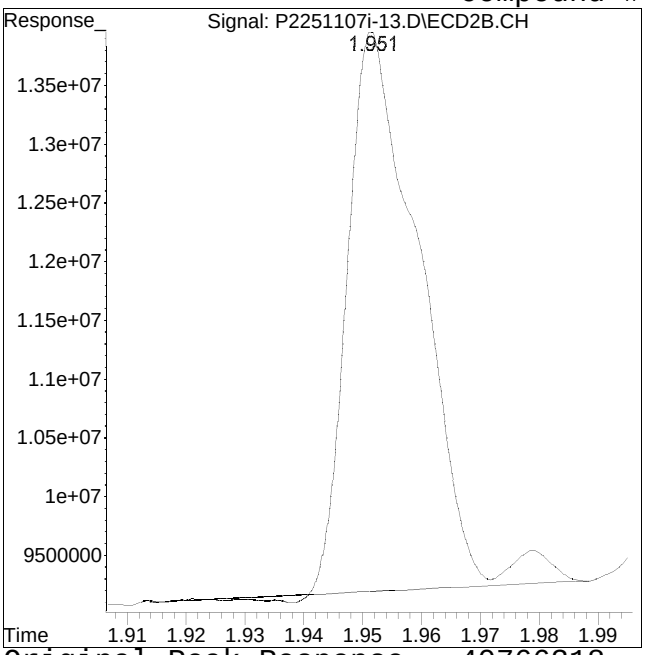


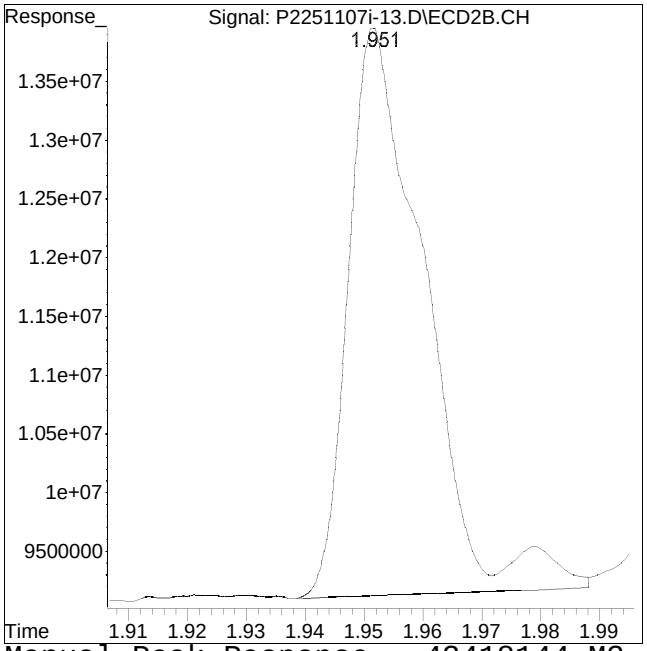
Original Peak Response = 18568837 Manual Peak Response = 18152321 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-13.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:14 Instrument : Pest 2
Sample : il61660,42e,,pp 12222 L40RQuant Date : 11/12/2025 4:01 pm

Compound #56: 1016-2 #2



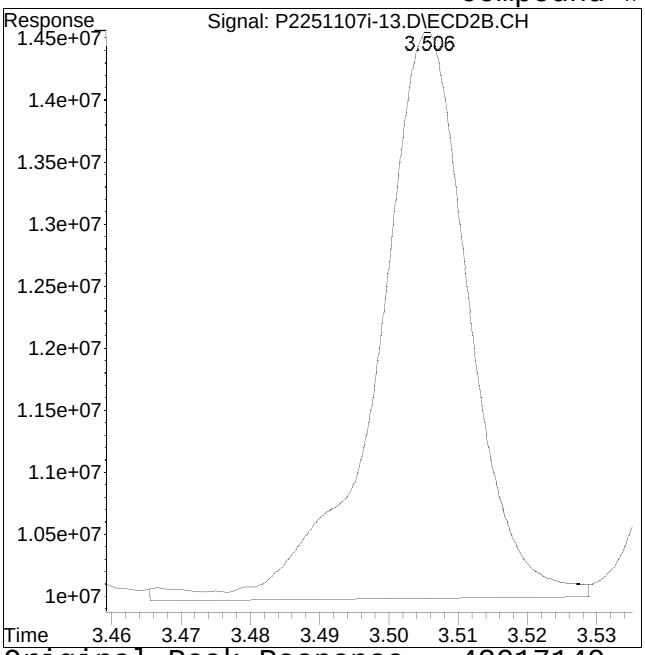


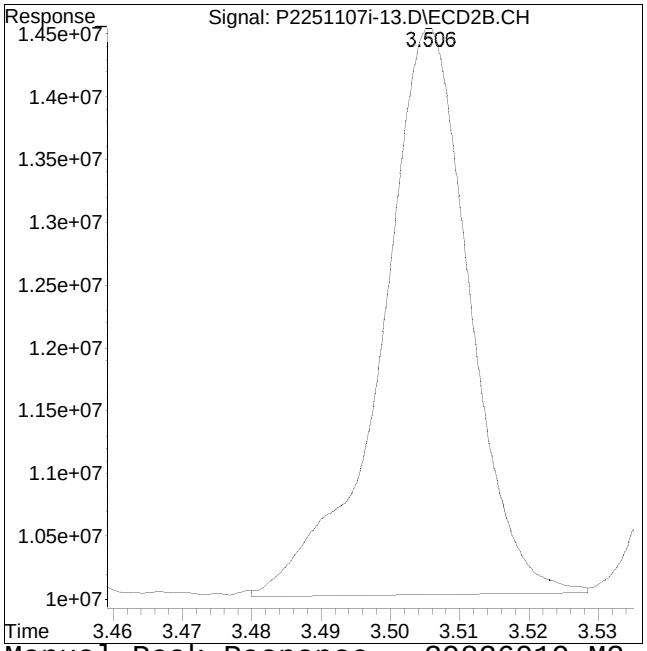
Original Peak Response = 40766318 Manual Peak Response = 43418144 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-13.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:14 Instrument : Pest 2
Sample : il61660,42e,,pp 12222 L40RQuant Date : 11/12/2025 4:01 pm

Compound #62: 1260-3 #2



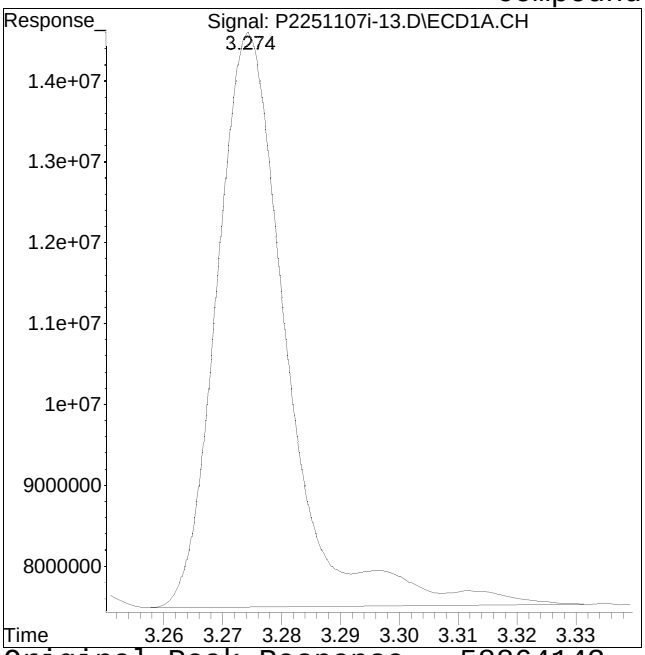


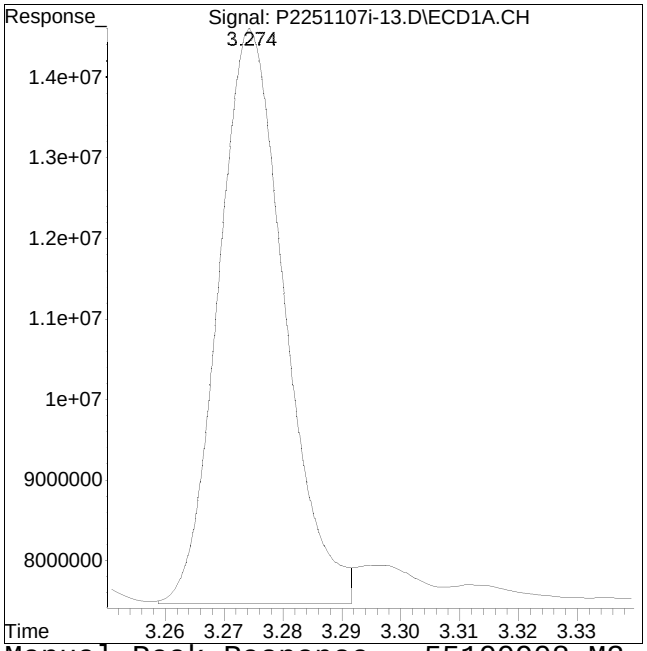
Original Peak Response = 42017140 Manual Peak Response = 39836019 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-13.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:14 Instrument : Pest 2
Sample : il61660,42e,,pp 12222 L40RQuant Date : 11/12/2025 4:01 pm

Compound #12: 1260-4



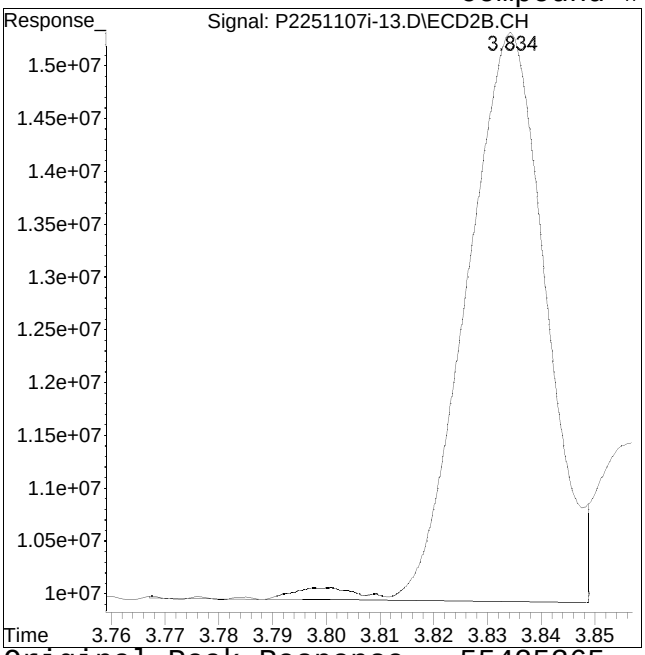


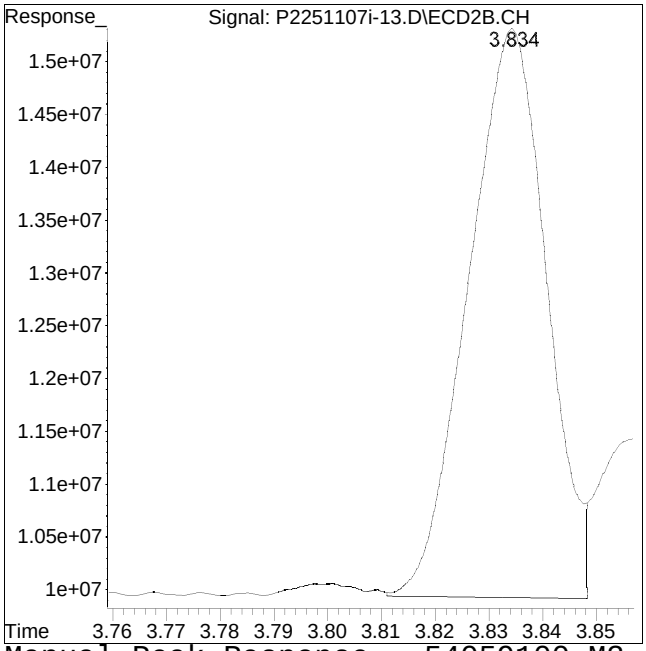
Original Peak Response = 58864143 Manual Peak Response = 55100908 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-13.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:14 Instrument : Pest 2
Sample : il61660,42e,,pp 12222 L40RQuant Date : 11/12/2025 4:01 pm

Compound #64: 1260-5 #2





Original Peak Response = 55425365 Manual Peak Response = 54059100 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:23
Operator : pest2:sdc
Sample : il71660,42e,,pp 12222 L50RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 15:58:26 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 15:58:06 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.173	1.227	312.3E6	538.2E6	25.000M3	25.000M3
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.452	1.589	77515604	119.4E6	4.780	4.975M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		9.56%#	9.95%#
3) s	Decachlorobi	4.005	4.478	63569936	76651468	5.078	5.725M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		10.16%#	11.45%#
	Target Compounds						
4) l1	1016-1	1.588	1.784	13080021	21069017	52.164M3	55.759M3
5) l1	1016-2	1.727	1.951	33166511	51394750	54.126	55.556M3
6) l1	1016-3	1.914	2.149	60866445	97172162	48.755M3	53.271
7) l1	1016-4	1.968	2.209	26806669	38836318	51.726M3	54.316
8) l1	1016-5	2.136	2.416	25699460	30634598	49.841M3	55.695
Sum	1016-1			159.6E6	239.1E6	256.612	274.597
Average	1016-1					51.322	54.919
9) l2	1260-1	2.676	3.017	37867904	58356218	50.125	53.848
10) l2	1260-2	2.806	3.118	59733353	64074036	50.175	53.417
11) l2	1260-3	3.120	3.506	29915541	46328458	48.108	55.448M3

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:23
Operator : pest2:sdc
Sample : il71660,42e,,pp 12222 L50RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 15:58:26 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 15:58:06 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12) l2	1260-4	3.274	3.635	65177153	85462964	48.045M3	54.664M3
13) l2	1260-5	3.422	3.835	49519035	63916873	49.226M1	55.568M3
Sum	1260-1			242.2E6	318.1E6	NoCal	NoCal D
Average	1260-1					49.136	54.589
15) l3	1221-1	0.000	0.000	0	0	N.D.	N.D.
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9	1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:23
Operator : pest2:sdc
Sample : il71660,42e,,pp 12222 L50RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 15:58:26 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 15:58:06 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l9	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:23
Operator : pest2:sdc
Sample : il71660,42e,,pp 12222 L50RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 15:58:26 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 15:58:06 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

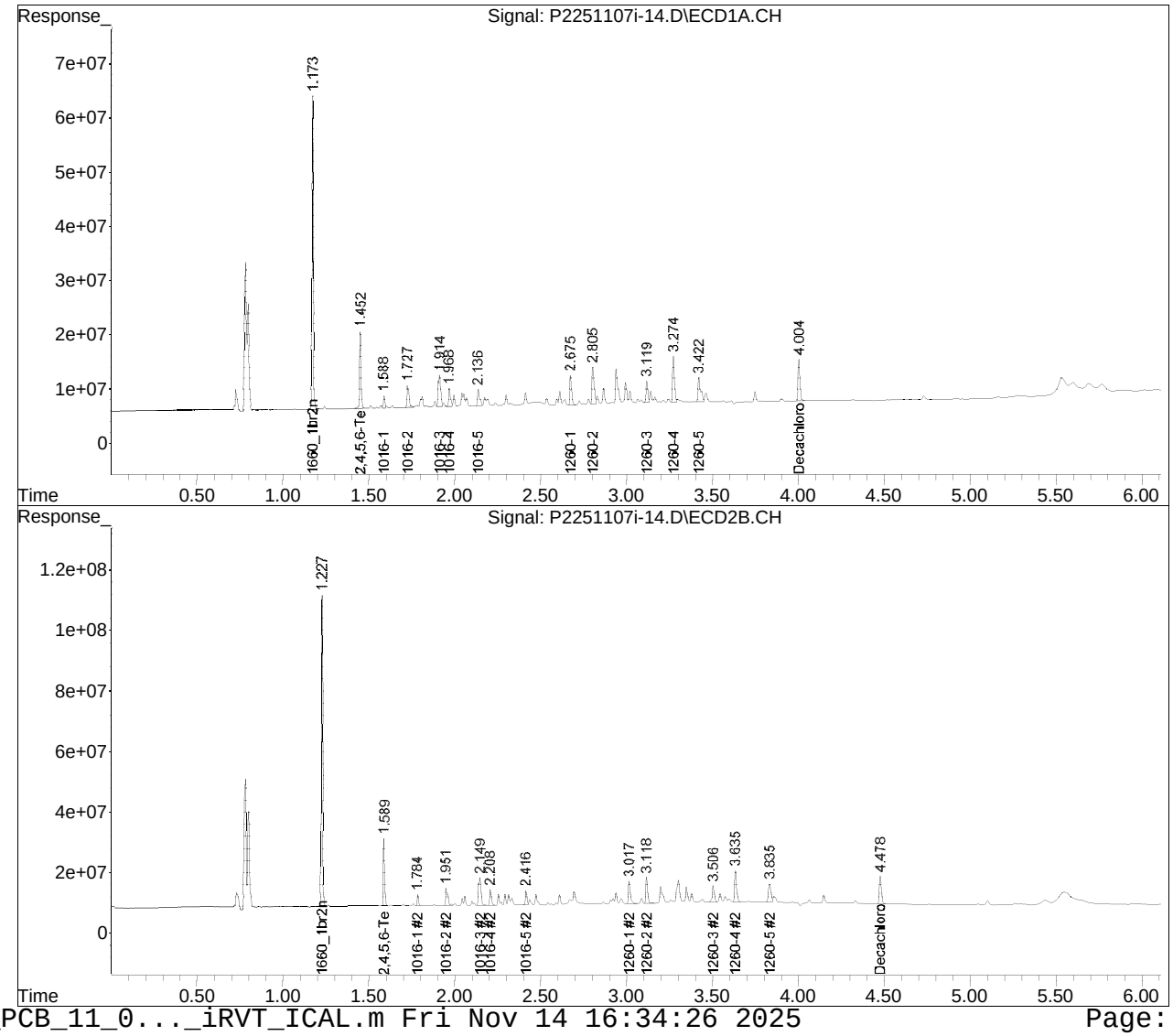
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:23
Operator : pest2:sdc
Sample : il71660,42e,,pp 12222 L50RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 15:58:26 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 15:58:06 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

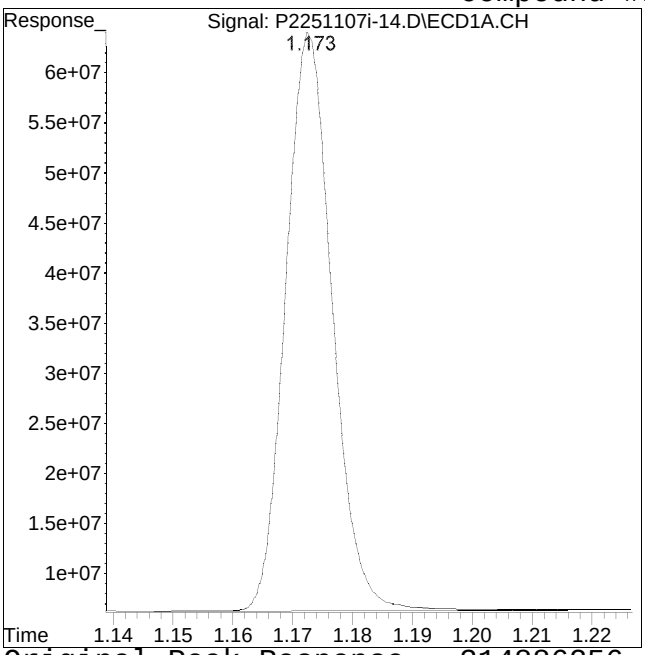
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

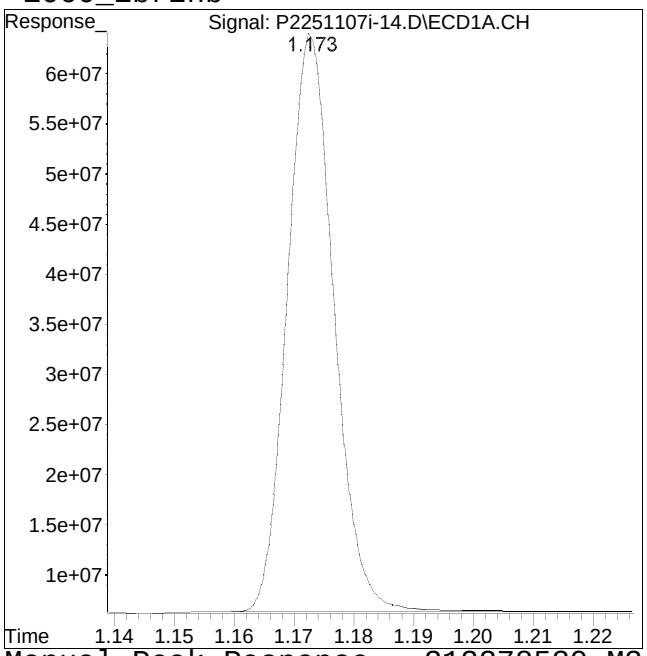


Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-14.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:23 Instrument : Pest 2
Sample : il71660,42e,,pp 12222 L50RQuant Date : 11/12/2025 3:58 pm

Compound #1: 1660_1br2nb



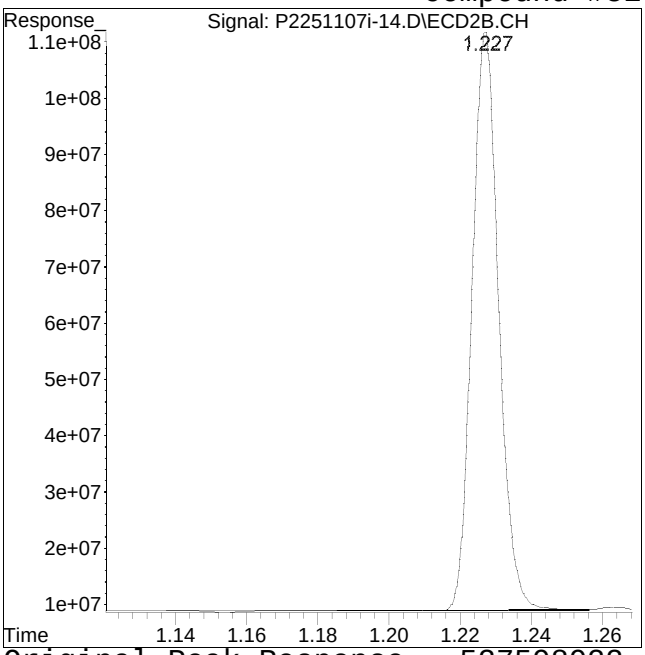


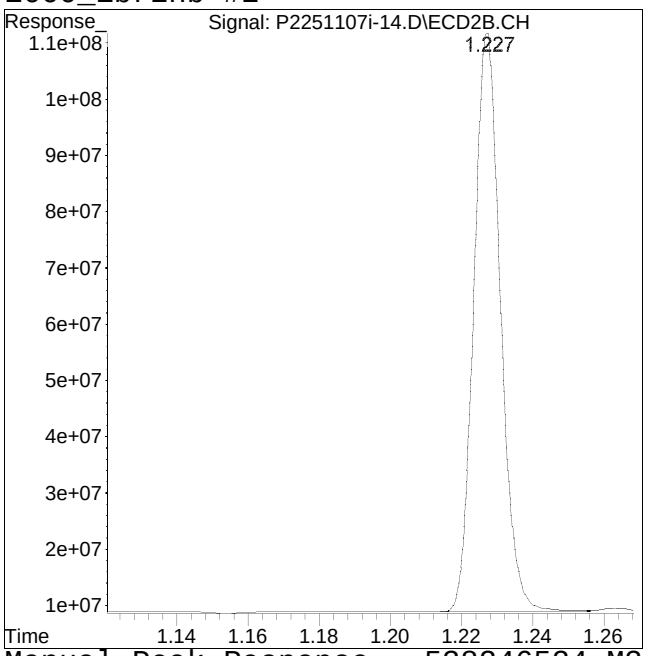
Original Peak Response = 314886256 Manual Peak Response = 312278530 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-14.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:23 Instrument : Pest 2
Sample : il71660,42e,,pp 12222 L50RQuant Date : 11/12/2025 3:58 pm

Compound #52: 1660_1br2nb #2



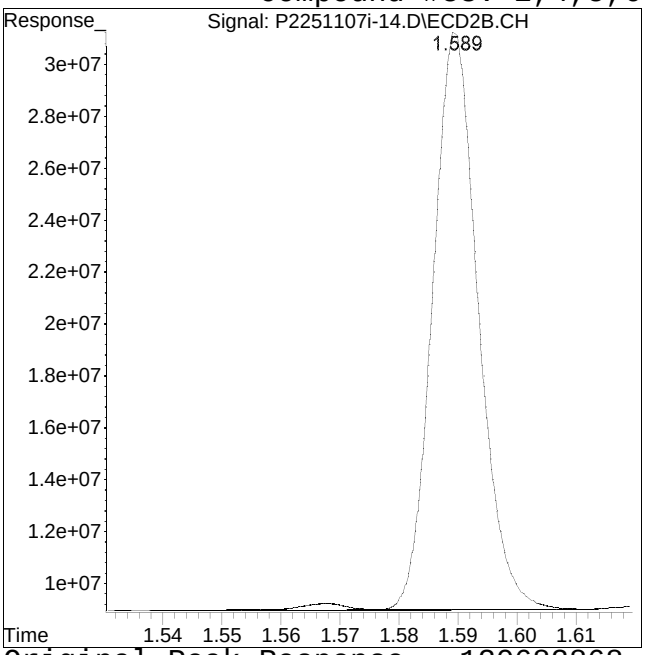


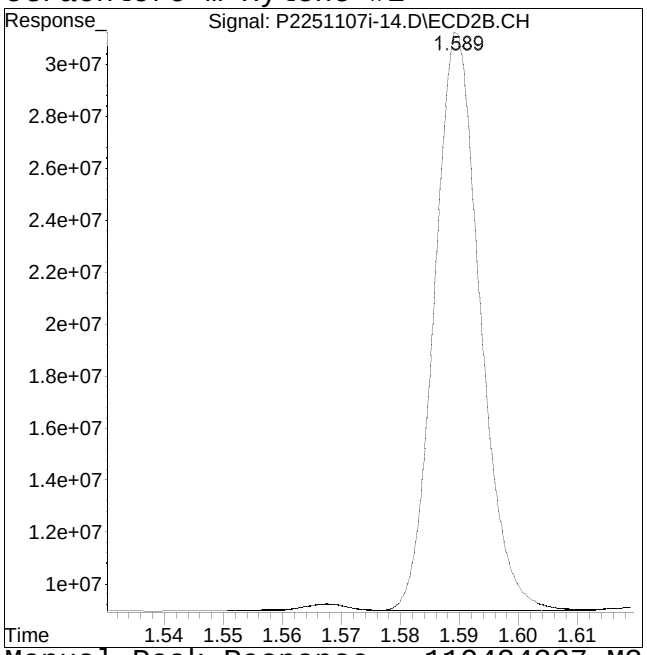
Original Peak Response = 527598922 Manual Peak Response = 538246524 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-14.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:23 Instrument : Pest 2
Sample : il71660,42e,,pp 12222 L50RQuant Date : 11/12/2025 3:58 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



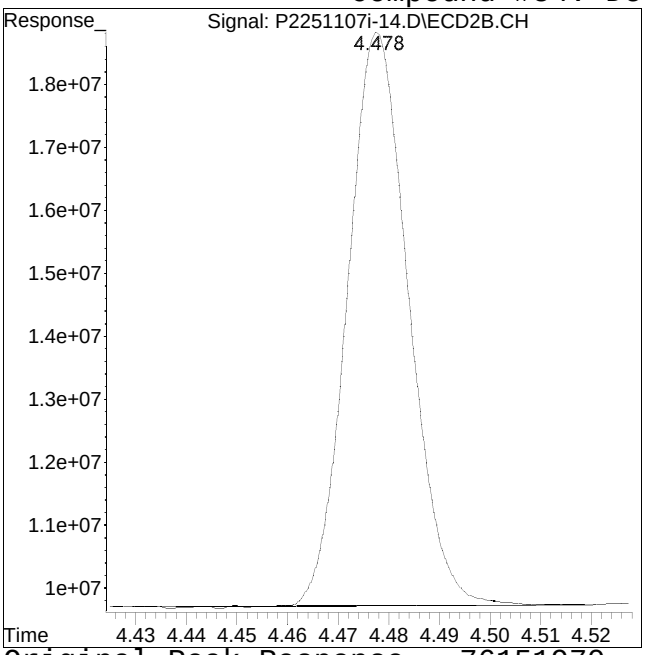


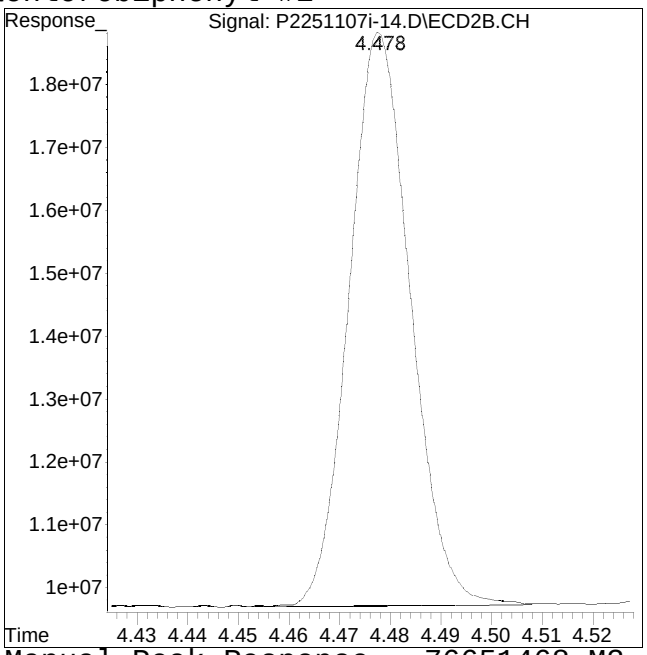
Original Peak Response = 120682868 Manual Peak Response = 119424337 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-14.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:23 Instrument : Pest 2
Sample : il71660,42e,,pp 12222 L50RQuant Date : 11/12/2025 3:58 pm

Compound #54: Decachlorobiphenyl #2



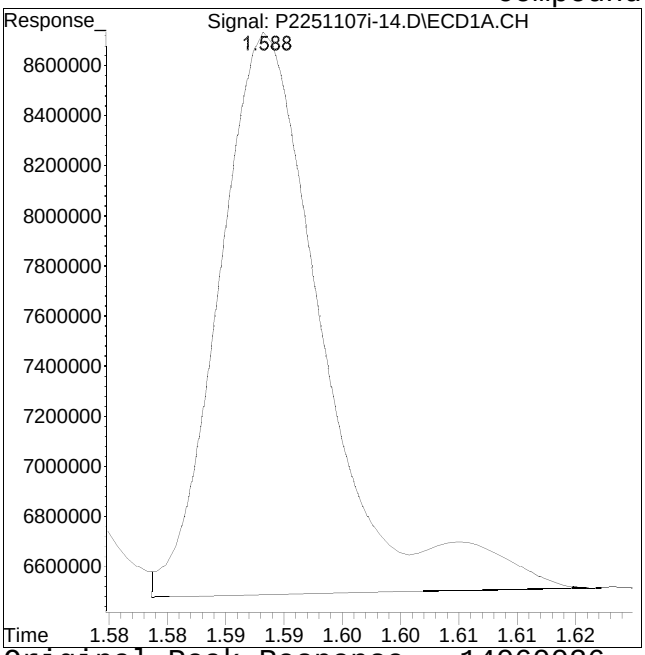


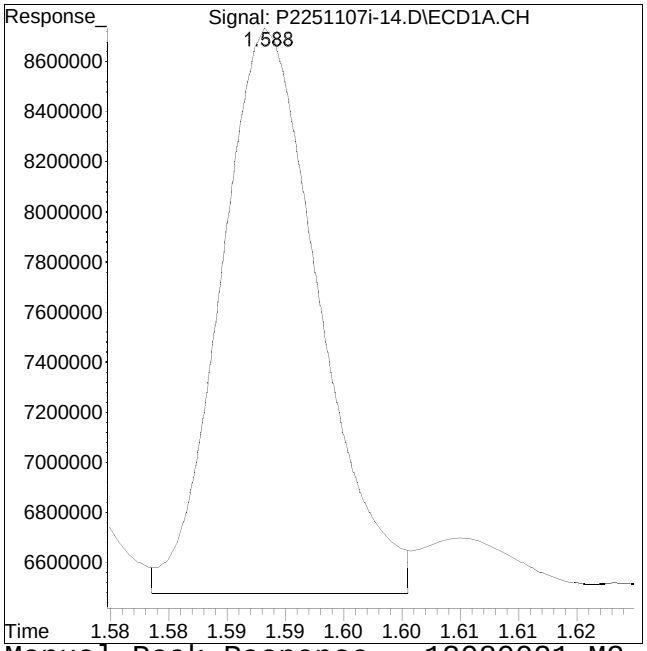
Original Peak Response = 76151970 Manual Peak Response = 76651468 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-14.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:23 Instrument : Pest 2
Sample : il71660,42e,,pp 12222 L50RQuant Date : 11/12/2025 3:58 pm

Compound #4: 1016-1



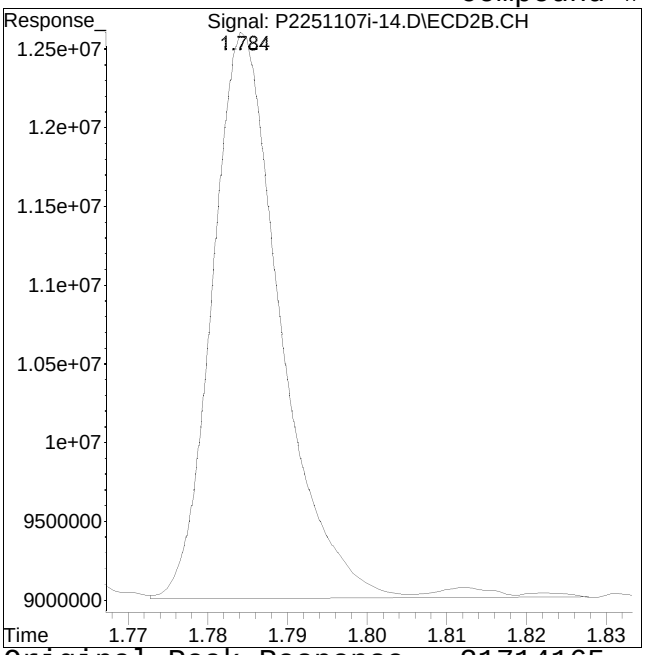


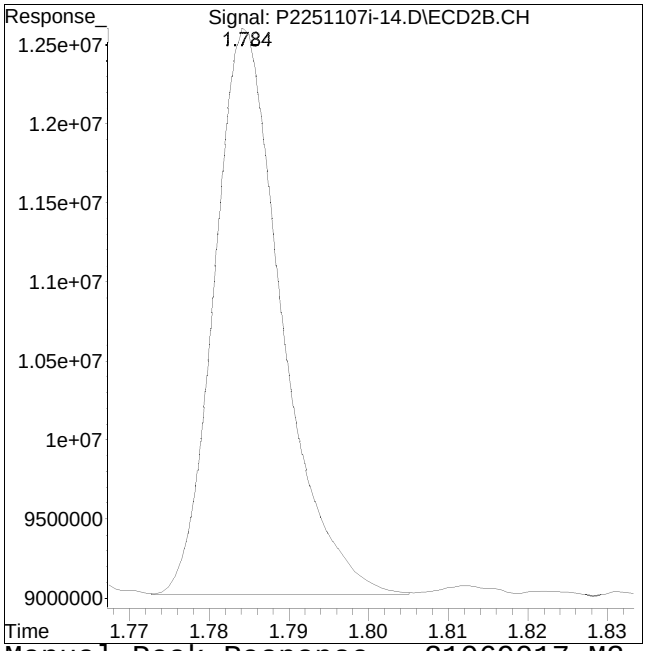
Original Peak Response = 14060036 Manual Peak Response = 13080021 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-14.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:23 Instrument : Pest 2
Sample : il71660,42e,,pp 12222 L50RQuant Date : 11/12/2025 3:58 pm

Compound #55: 1016-1 #2



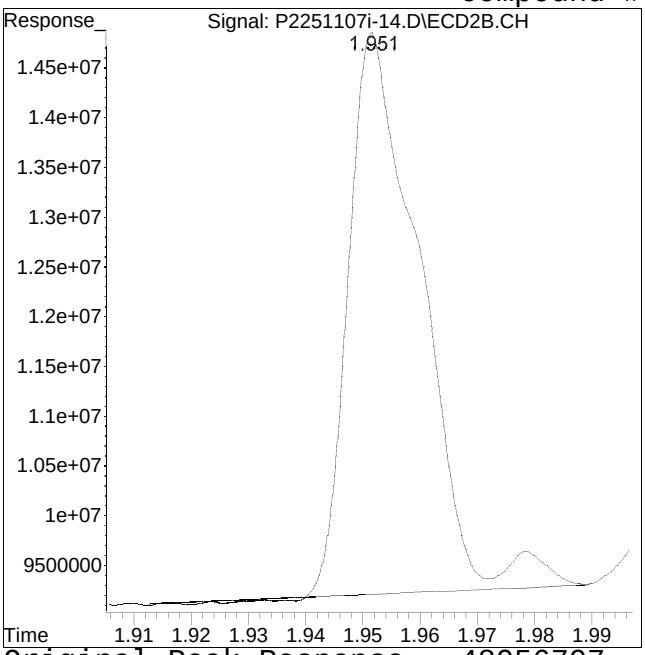


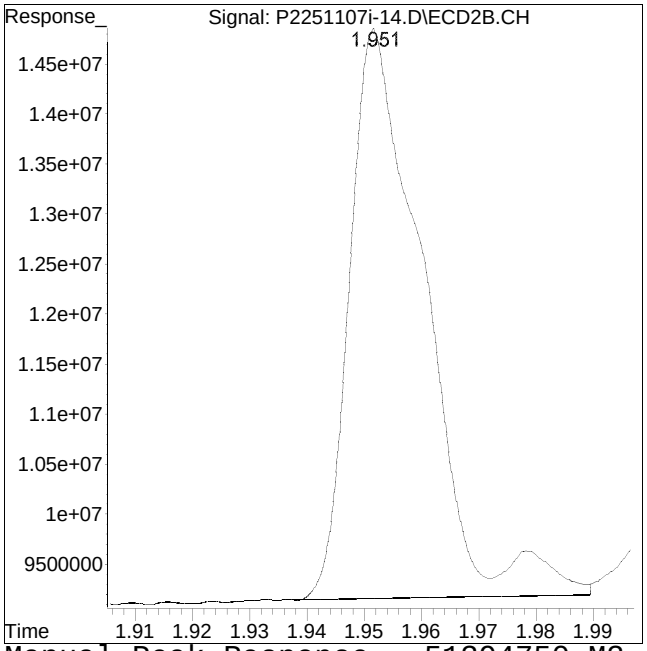
Original Peak Response = 21714165 Manual Peak Response = 21069017 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-14.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:23 Instrument : Pest 2
Sample : il71660,42e,,pp 12222 L50RQuant Date : 11/12/2025 3:58 pm

Compound #56: 1016-2 #2



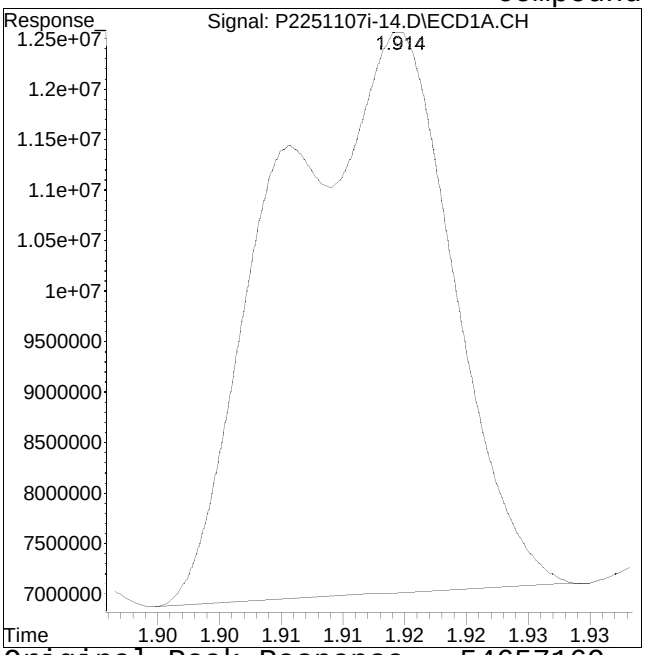


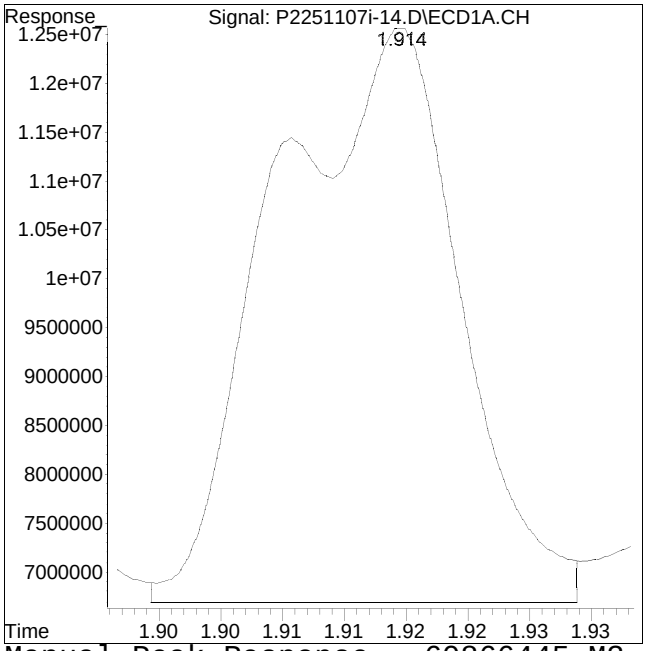
Original Peak Response = 48956797 Manual Peak Response = 51394750 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-14.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:23 Instrument : Pest 2
Sample : il71660,42e,,pp 12222 L50RQuant Date : 11/12/2025 3:58 pm

Compound #6: 1016-3



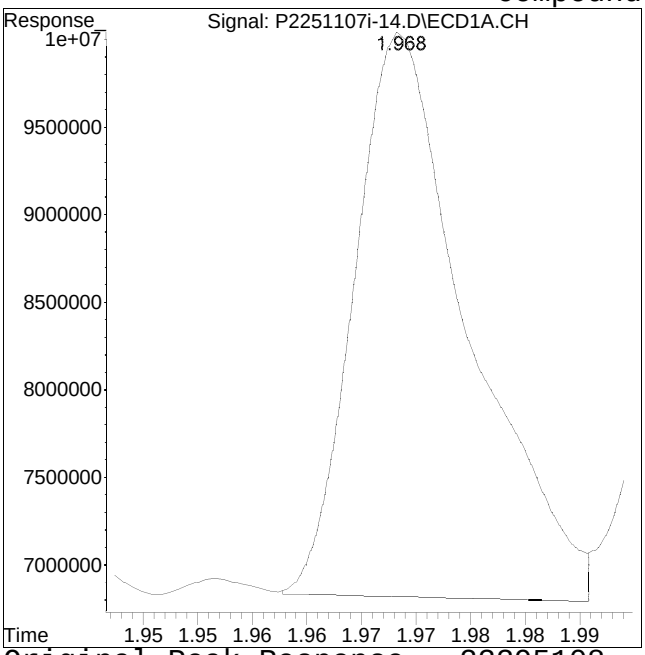


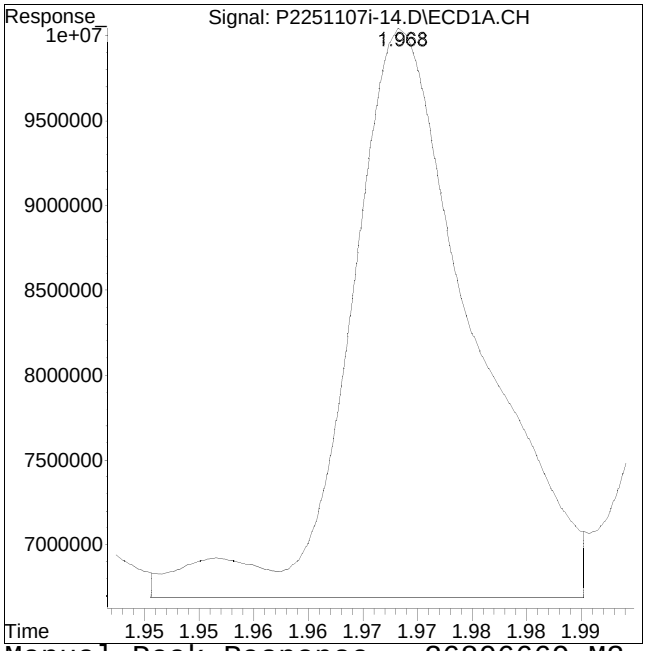
Original Peak Response = 54657169 Manual Peak Response = 60866445 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-14.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:23 Instrument : Pest 2
Sample : il71660,42e,,pp 12222 L50RQuant Date : 11/12/2025 3:58 pm

Compound #7: 1016-4



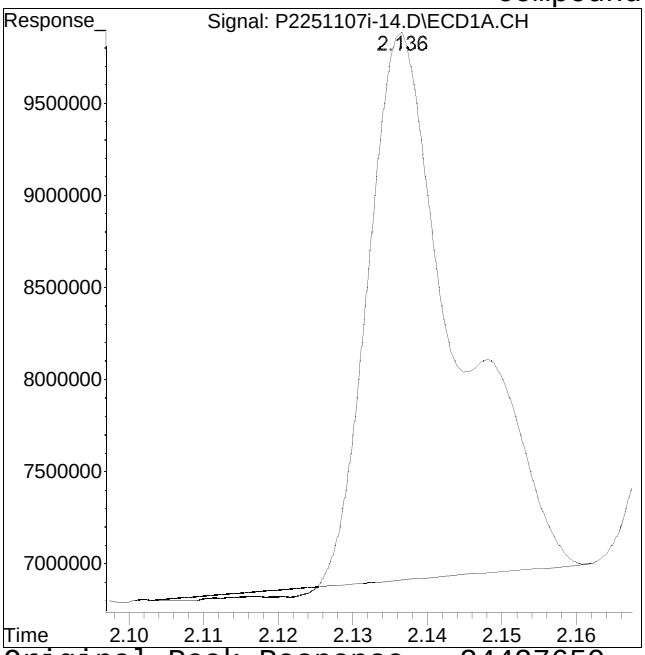


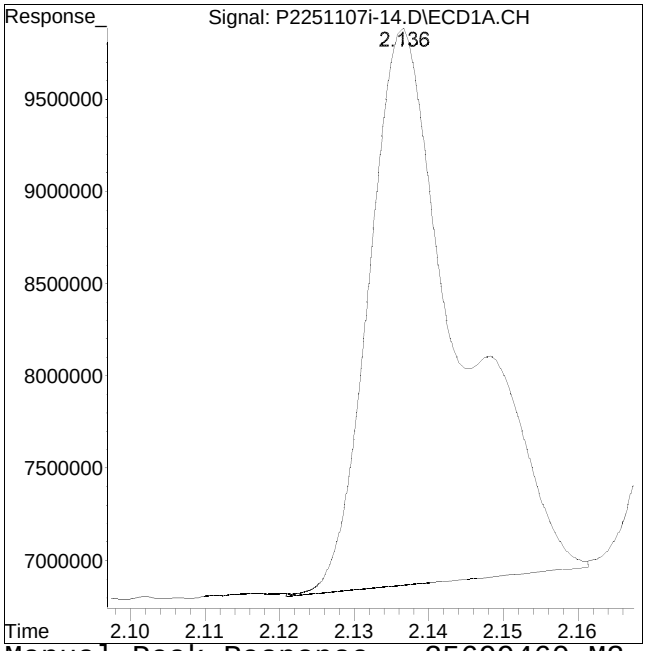
Original Peak Response = 23395108 Manual Peak Response = 26806669 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-14.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:23 Instrument : Pest 2
Sample : il71660,42e,,pp 12222 L50RQuant Date : 11/12/2025 3:58 pm

Compound #8: 1016-5



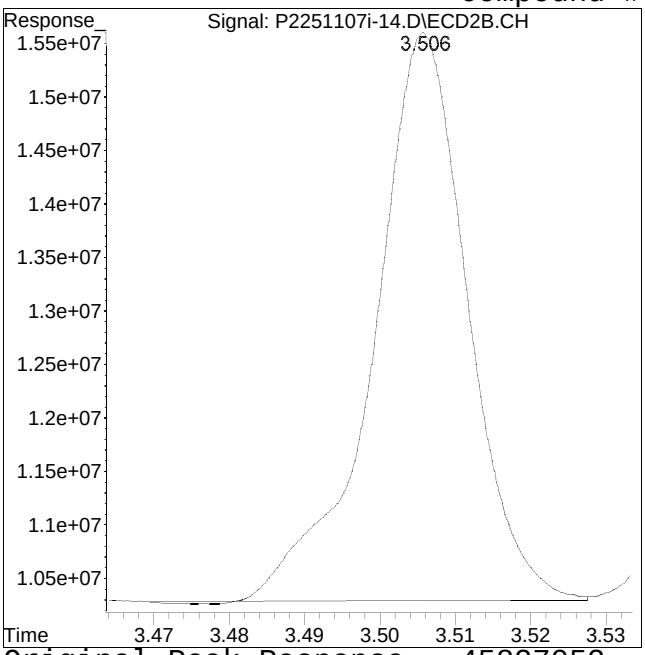


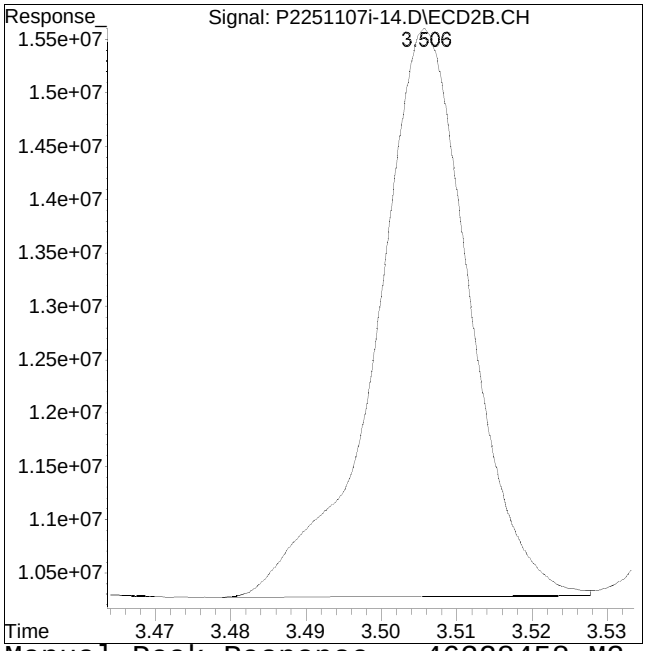
Original Peak Response = 24427650 Manual Peak Response = 25699460 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-14.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:23 Instrument : Pest 2
Sample : il71660,42e,,pp 12222 L50RQuant Date : 11/12/2025 3:58 pm

Compound #62: 1260-3 #2



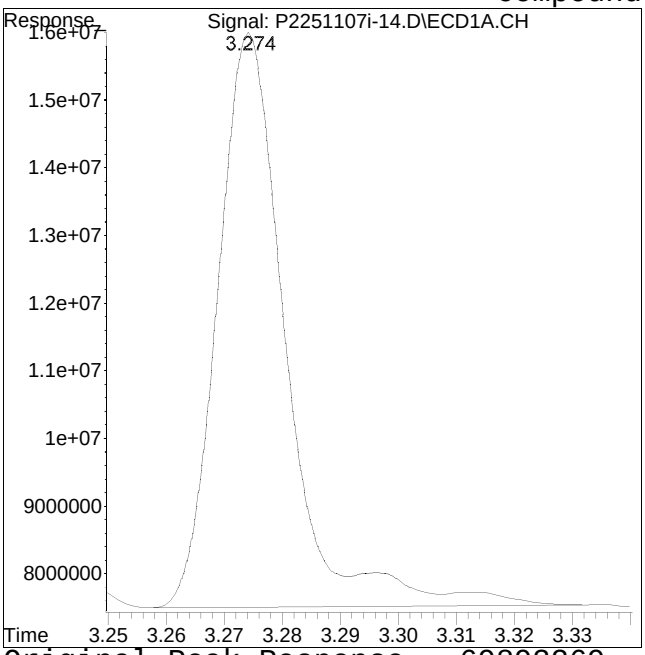


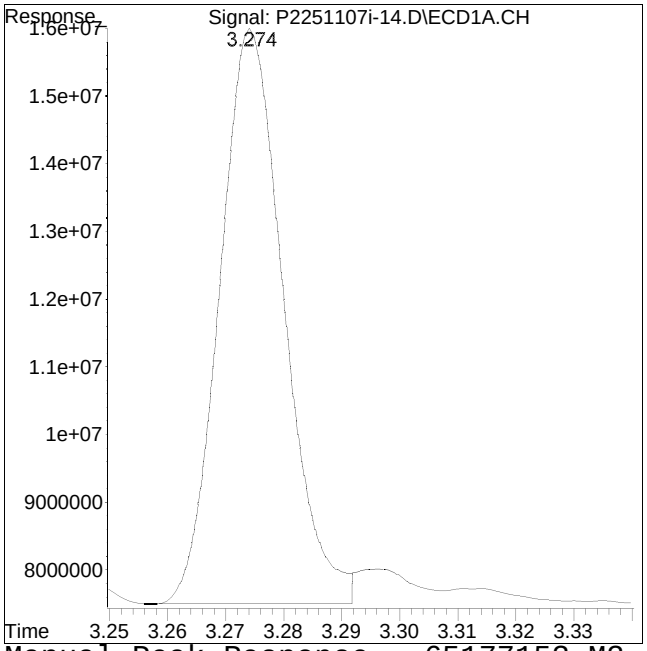
Original Peak Response = 45827052 Manual Peak Response = 46328458 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-14.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:23 Instrument : Pest 2
Sample : il71660,42e,,pp 12222 L50RQuant Date : 11/12/2025 3:58 pm

Compound #12: 1260-4



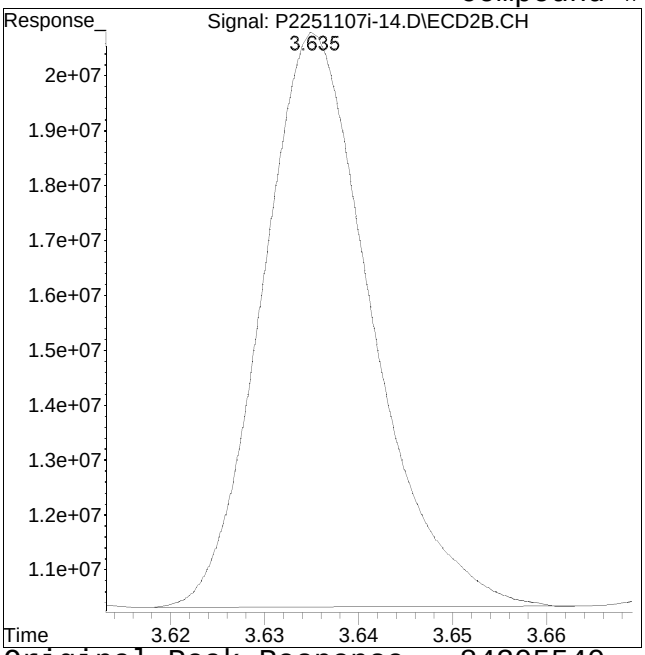


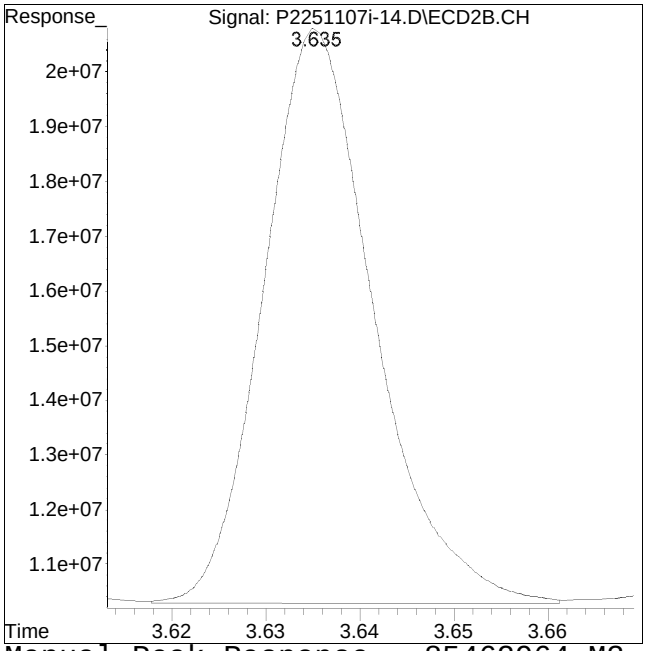
Original Peak Response = 69893269 Manual Peak Response = 65177153 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-14.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:23 Instrument : Pest 2
Sample : il71660,42e,,pp 12222 L50RQuant Date : 11/12/2025 3:58 pm

Compound #63: 1260-4 #2



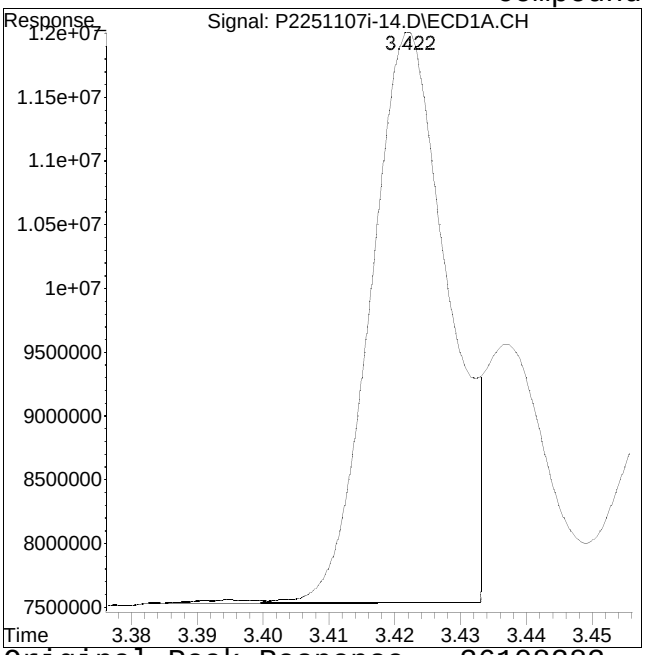


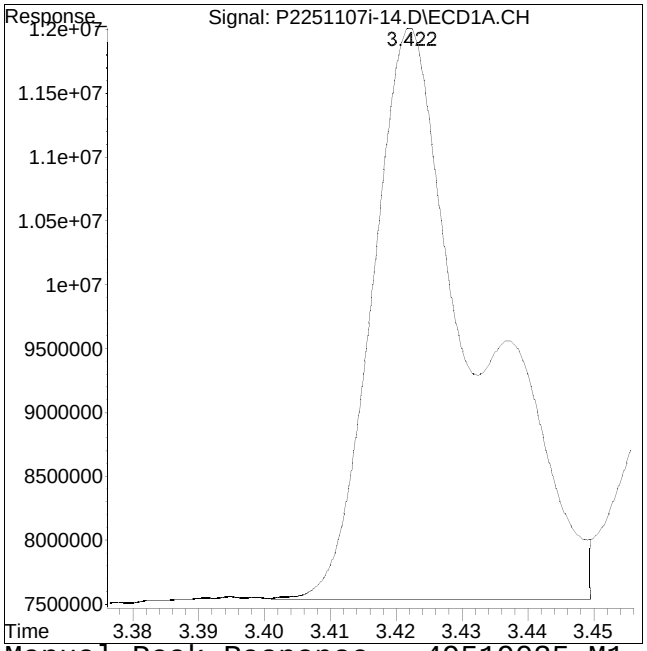
Original Peak Response = 84305540 Manual Peak Response = 85462964 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-14.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:23 Instrument : Pest 2
Sample : il71660,42e,,pp 12222 L50RQuant Date : 11/12/2025 3:58 pm

Compound #13: 1260-5



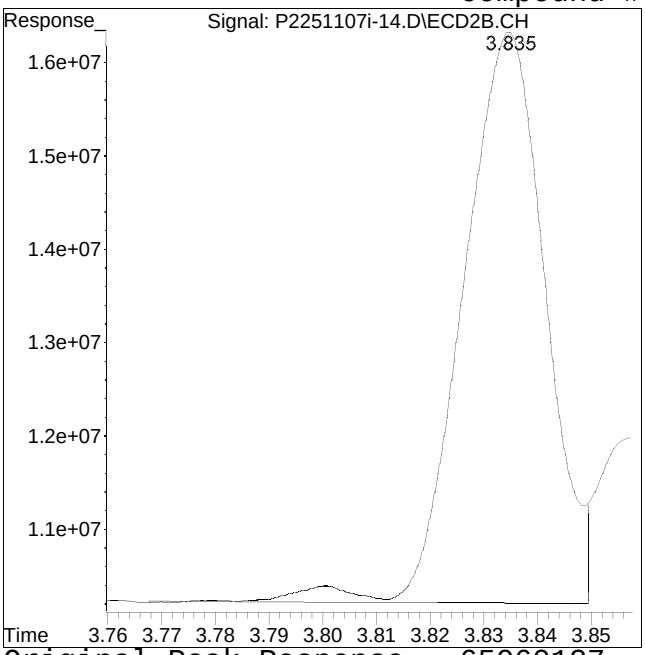


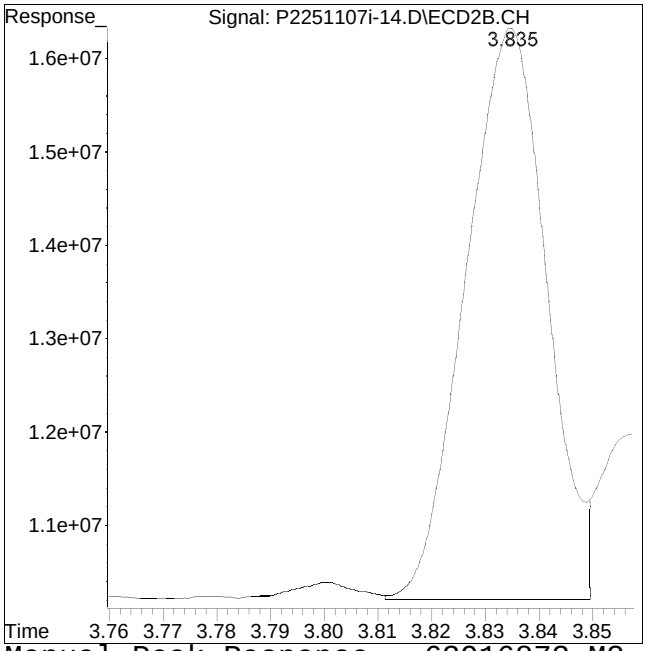
Original Peak Response = 36108283 Manual Peak Response = 49519035 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-14.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:23 Instrument : Pest 2
Sample : il71660,42e,,pp 12222 L50RQuant Date : 11/12/2025 3:58 pm

Compound #64: 1260-5 #2





Original Peak Response = 65060127 Manual Peak Response = 63916873 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:32
Operator : pest2:sdc
Sample : il81660,42e,,pp 12222 L100RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 15:55:55 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 15:53:11 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.173	1.227	317.8E6	545.6E6	25.000M3	25.000M3
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.453	1.589	157.3E6	236.3E6	9.388	9.621M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		18.78%#	19.24%#
3) s	Decachlorobi	4.005	4.478	124.7E6	144.5E6	9.723	10.872M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		19.45%#	21.74%#
	Target Compounds						
4) l1	1016-1	1.589	1.784	25651249	40102408	100.699M3	107.162M3
5) l1	1016-2	1.728	1.953	63317842	98966654	102.062	107.530
6) l1	1016-3	1.915	2.149	122.5E6	186.3E6	95.239	100.984
7) l1	1016-4	1.970	2.209	52011409	74419845	98.168	103.613
8) l1	1016-5	2.138	2.416	51678216	57857629	97.990	105.100
Sum	1016-1			315.1E6	457.6E6	494.158	524.388
Average	1016-1					98.832	104.878
9) l2	1260-1	2.677	3.017	75722846	114.4E6	98.001	105.554
10) l2	1260-2	2.807	3.119	119.8E6	126.4E6	98.469	105.344
11) l2	1260-3	3.120	3.506	61314780	89369945	95.897	108.190M3
12) l2	1260-4	3.275	3.635	131.0E6	164.2E6	93.283M3	104.378M3
13) l2	1260-5	3.423	3.835	97542477	124.0E6	93.807	108.599

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:32
Operator : pest2:sdc
Sample : il81660,42e,,pp 12222 L100RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 15:55:55 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 15:53:11 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
Sum	1260-1			485.3E6	618.3E6	NoCal	NoCal	D
Average	1260-1					95.892	106.413	
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d	
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d	
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	1221-1			0	0	N.D.	N.D.	
Average	1221-1					0.000	0.000	
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d	
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d	
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d	
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d	
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	1254-1			0	0	N.D.	N.D.	
Average	1254-1					0.000	0.000	
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d	
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d	
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d	
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d	
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	1242-1			0	0	N.D.	N.D.	
Average	1242-1					0.000	0.000	
29) l9	1268-1	0.000	0.000	0	0	N.D.	N.D.	
30) l9	1268-2	0.000	0.000	0	0	N.D.	N.D.	
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.	
32) l9	1268-4	0.000	0.000	0	0	N.D.	N.D.	
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	1268-1			0	0	N.D.	N.D.	
Average	1268-1					0.000	0.000	

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:32
Operator : pest2:sdc
Sample : il81660,42e,,pp 12222 L100RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 15:55:55 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 15:53:11 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:32
Operator : pest2:sdc
Sample : il81660,42e,,pp 12222 L100RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 15:55:55 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 15:53:11 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

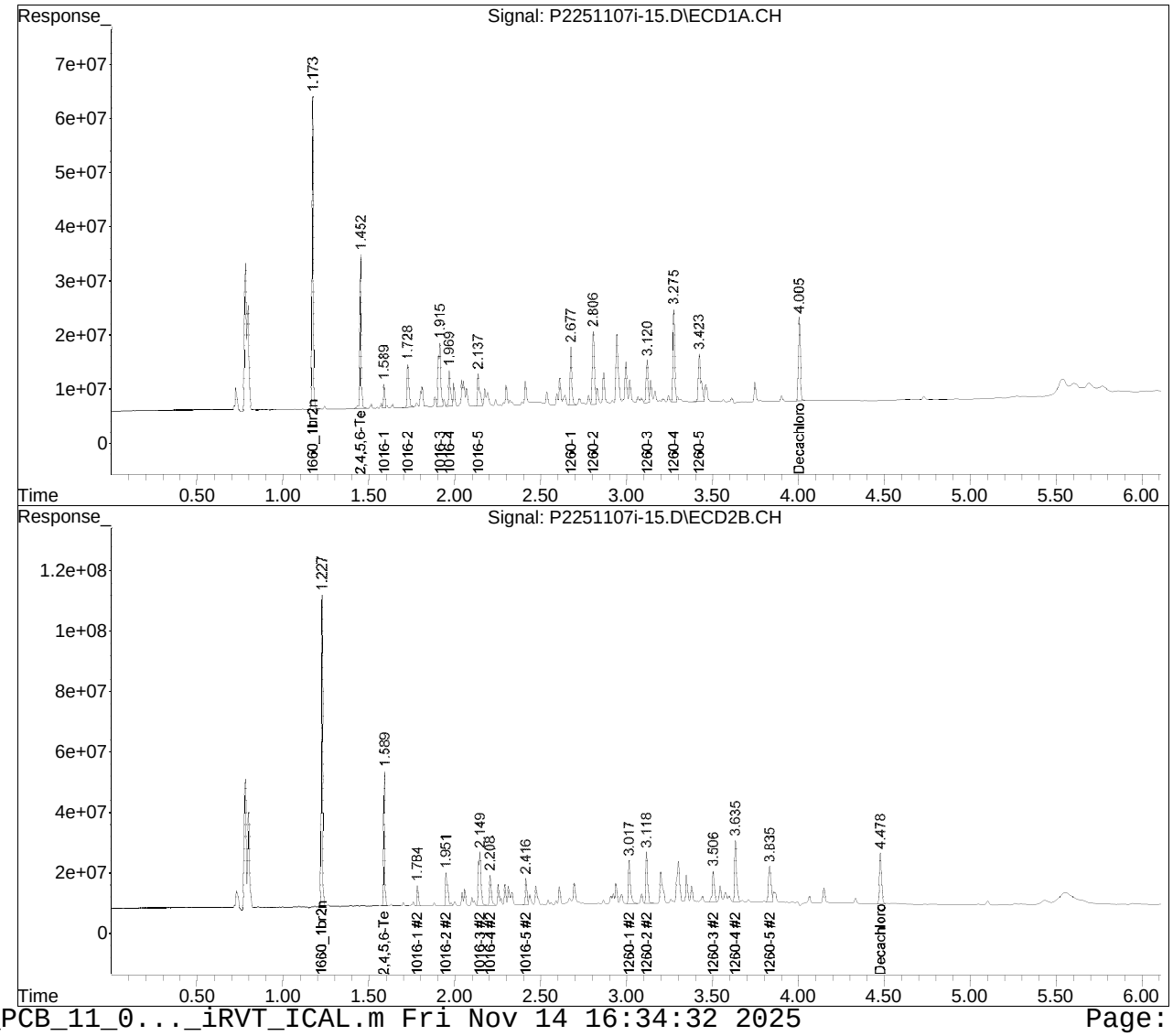
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:32
Operator : pest2:sdc
Sample : il81660,42e,,pp 12222 L100RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 15:55:55 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 15:53:11 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

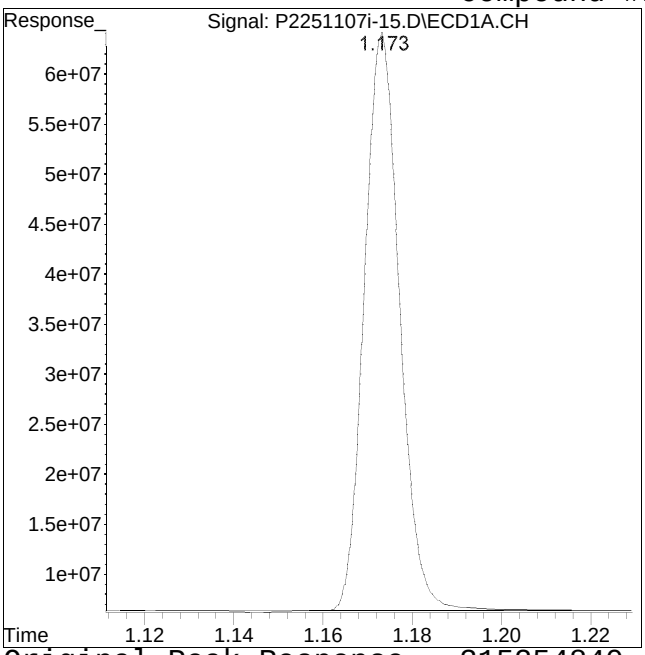
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

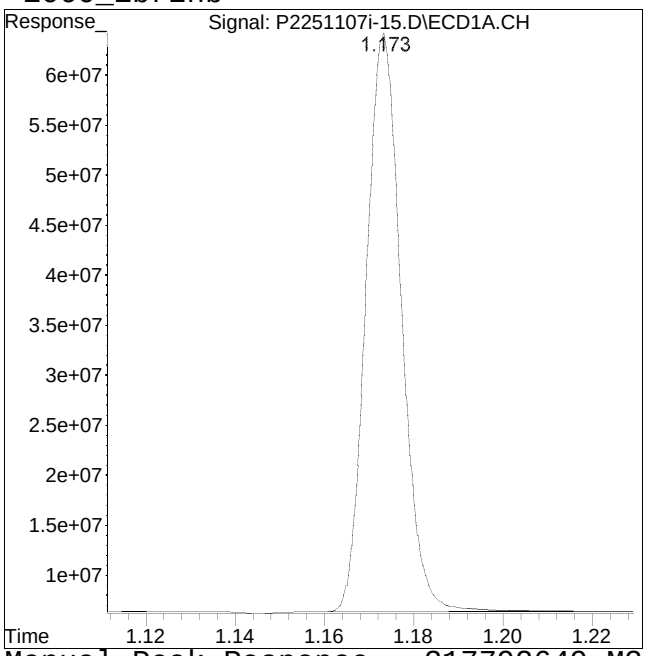


Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-15.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:32 Instrument : Pest 2
Sample : il81660,42e,,pp 12222 L100Quant Date : 11/12/2025 3:55 pm

Compound #1: 1660_1br2nb



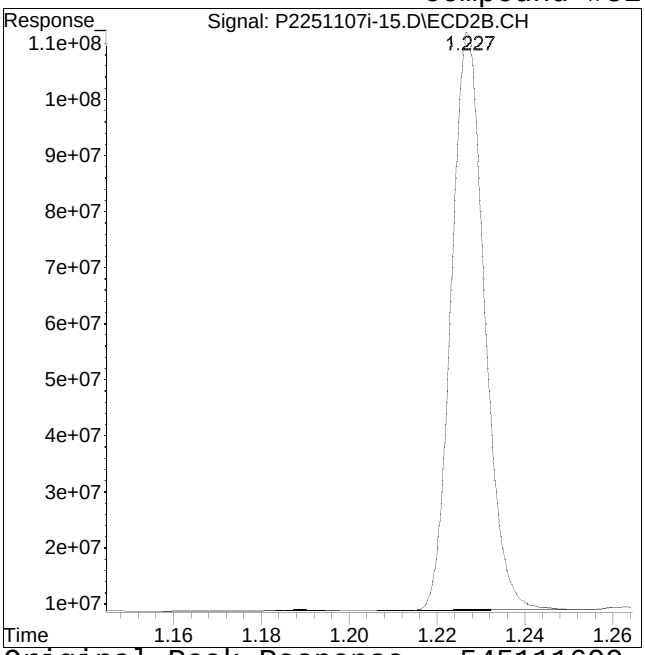


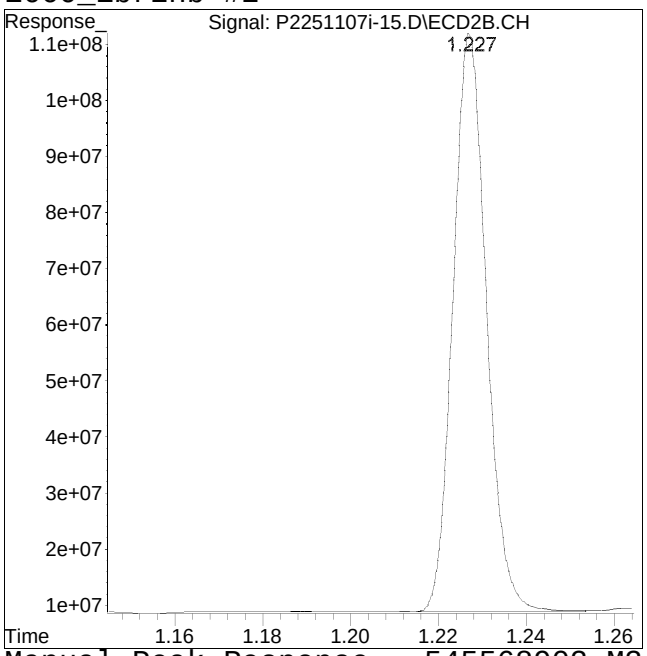
Original Peak Response = 315254840 Manual Peak Response = 317792649 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-15.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:32 Instrument : Pest 2
Sample : il81660,42e,,pp 12222 L100Quant Date : 11/12/2025 3:55 pm

Compound #52: 1660_1br2nb #2



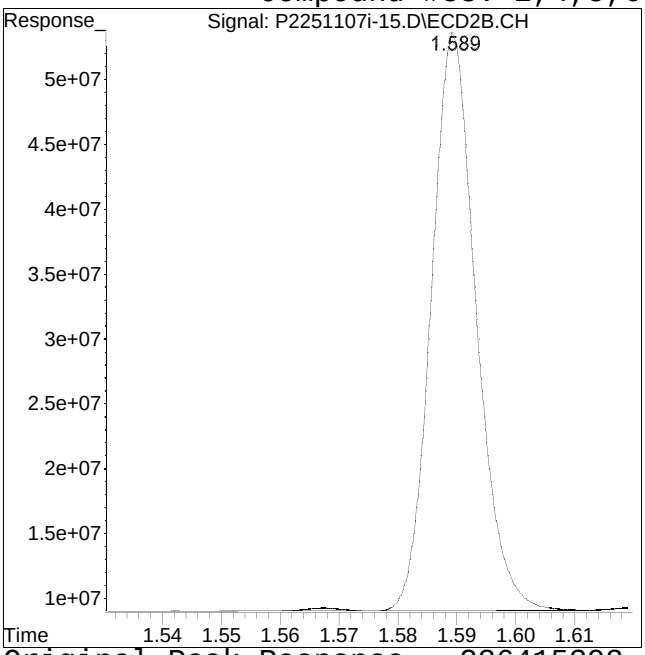


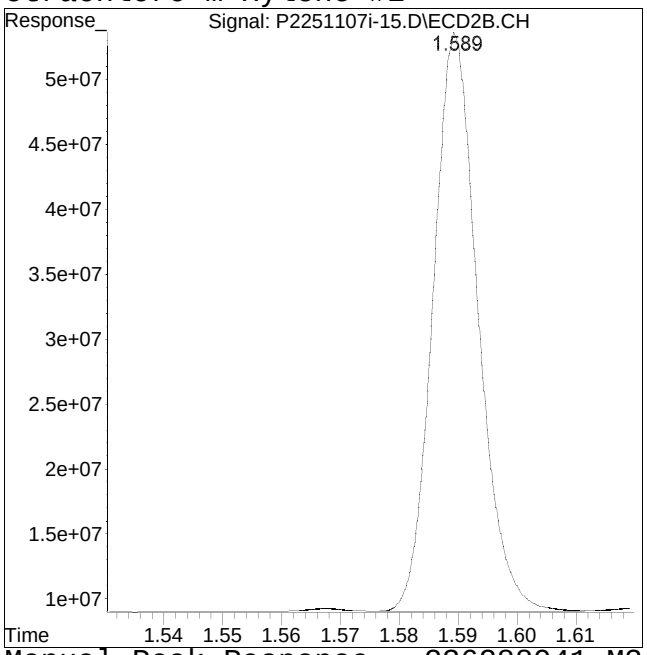
Original Peak Response = 545111609 Manual Peak Response = 545568902 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-15.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:32 Instrument : Pest 2
Sample : il81660,42e,,pp 12222 L100Quant Date : 11/12/2025 3:55 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



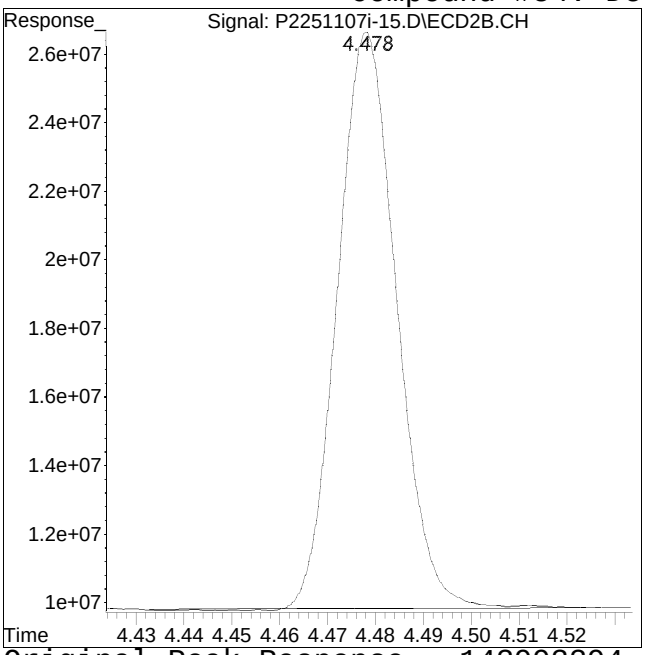


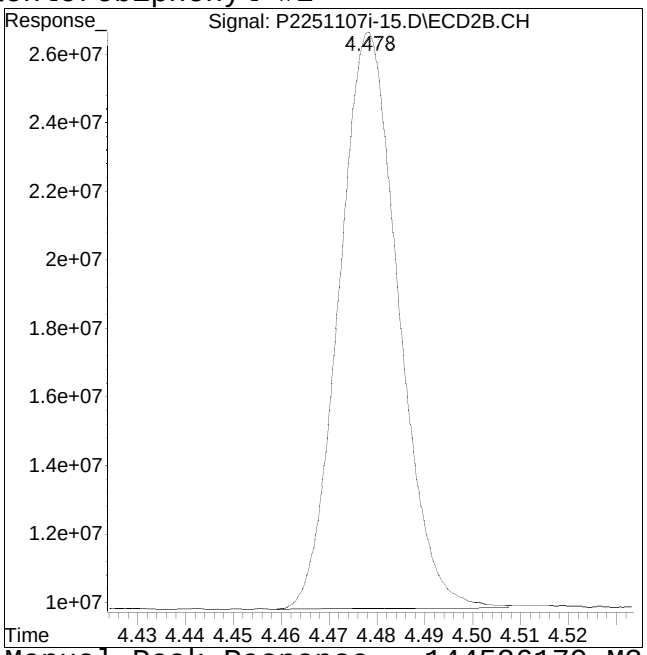
Original Peak Response = 236415392 Manual Peak Response = 236288941 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-15.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:32 Instrument : Pest 2
Sample : il81660,42e,,pp 12222 L100Quant Date : 11/12/2025 3:55 pm

Compound #54: Decachlorobiphenyl #2



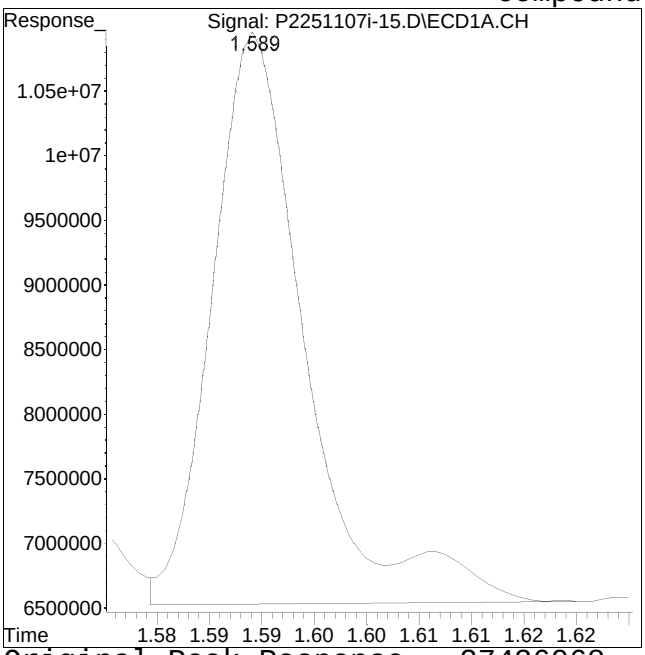


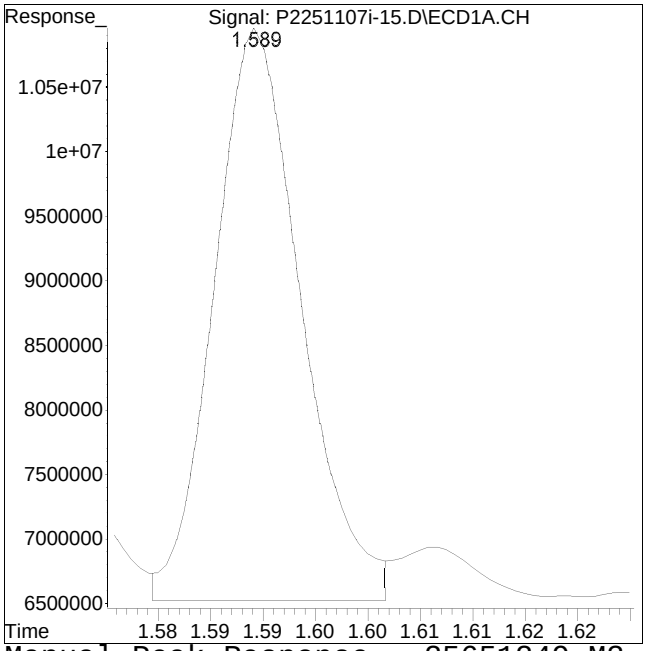
Original Peak Response = 143993394 Manual Peak Response = 144526179 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-15.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:32 Instrument : Pest 2
Sample : il81660,42e,,pp 12222 L100Quant Date : 11/12/2025 3:55 pm

Compound #4: 1016-1



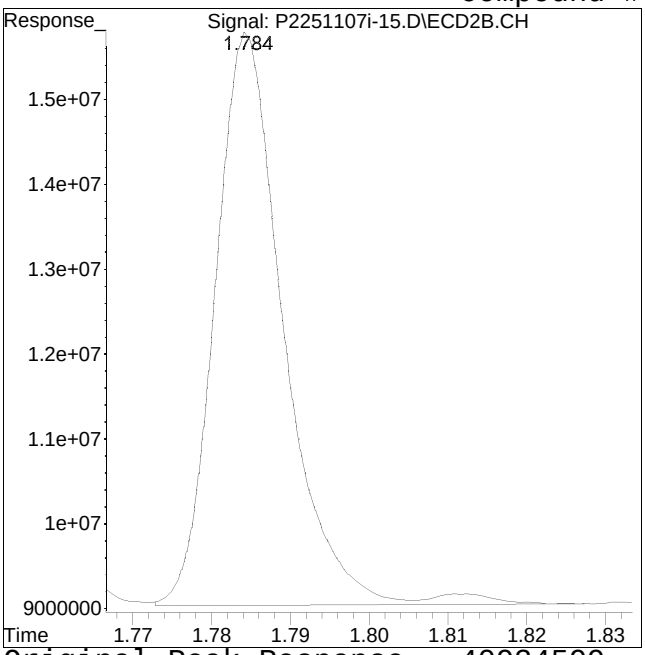


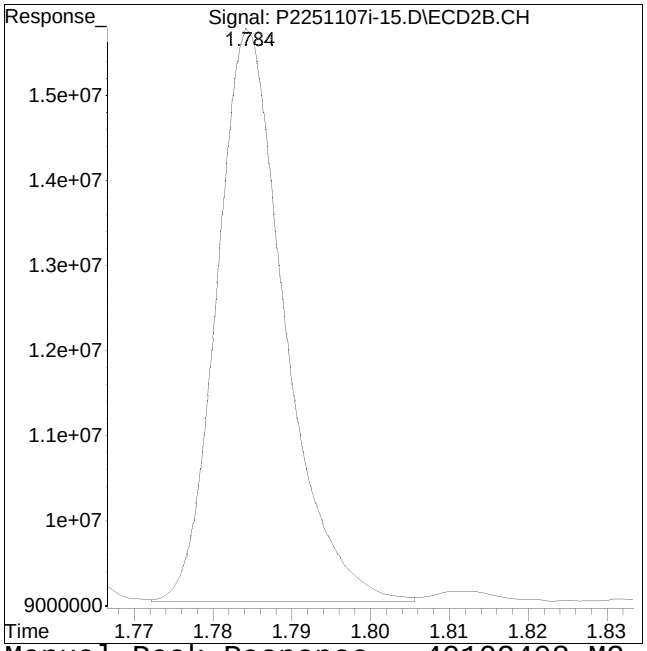
Original Peak Response = 27436068 Manual Peak Response = 25651249 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-15.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:32 Instrument : Pest 2
Sample : il81660,42e,,pp 12222 L100Quant Date : 11/12/2025 3:55 pm

Compound #55: 1016-1 #2



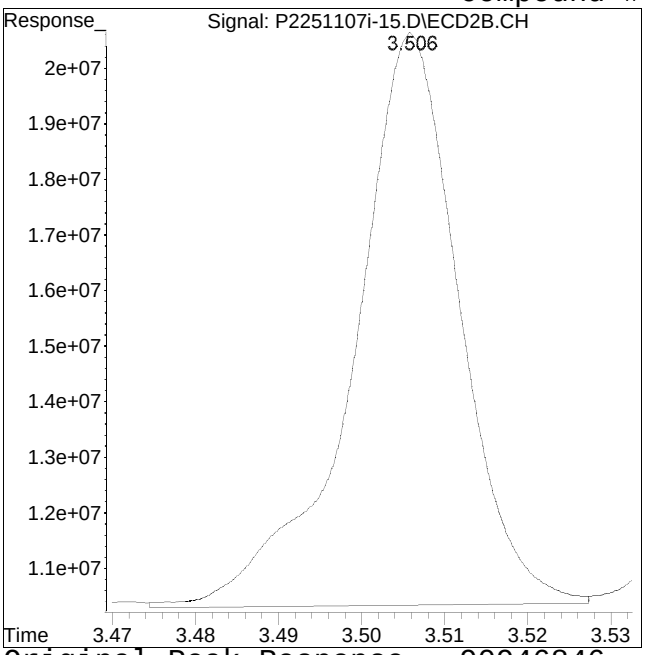


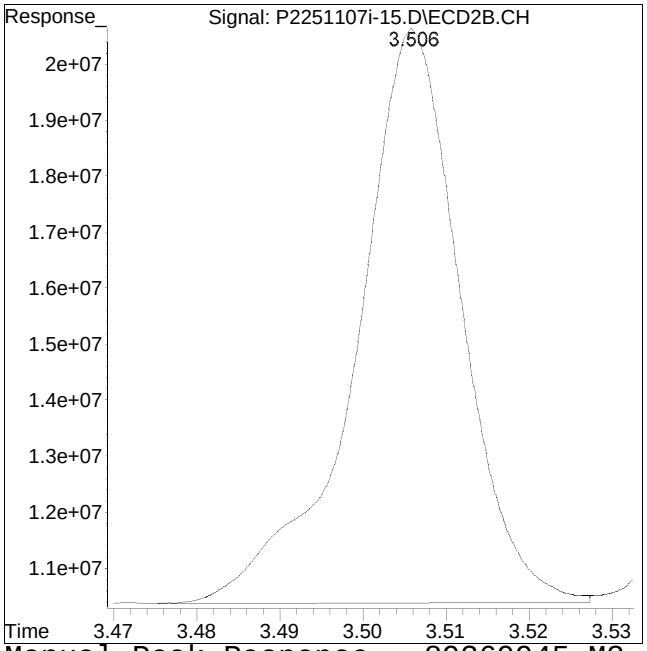
Original Peak Response = 40934599 Manual Peak Response = 40102408 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-15.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:32 Instrument : Pest 2
Sample : il81660,42e,,pp 12222 L100Quant Date : 11/12/2025 3:55 pm

Compound #62: 1260-3 #2



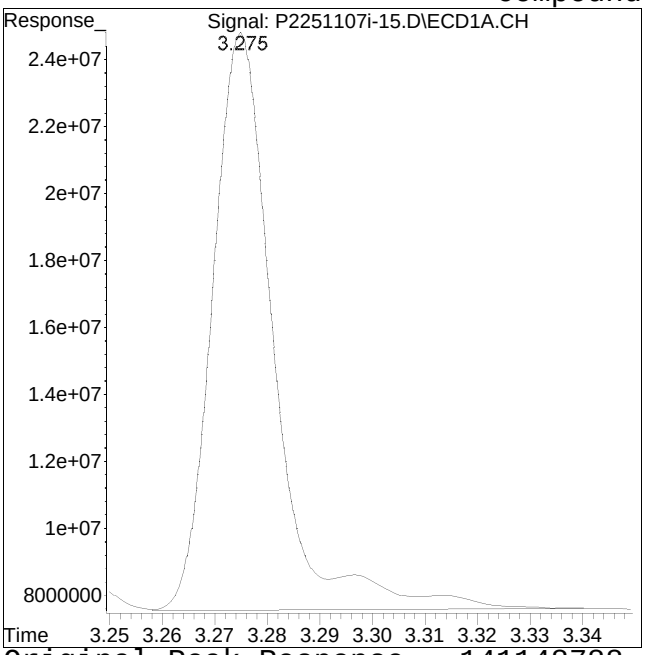


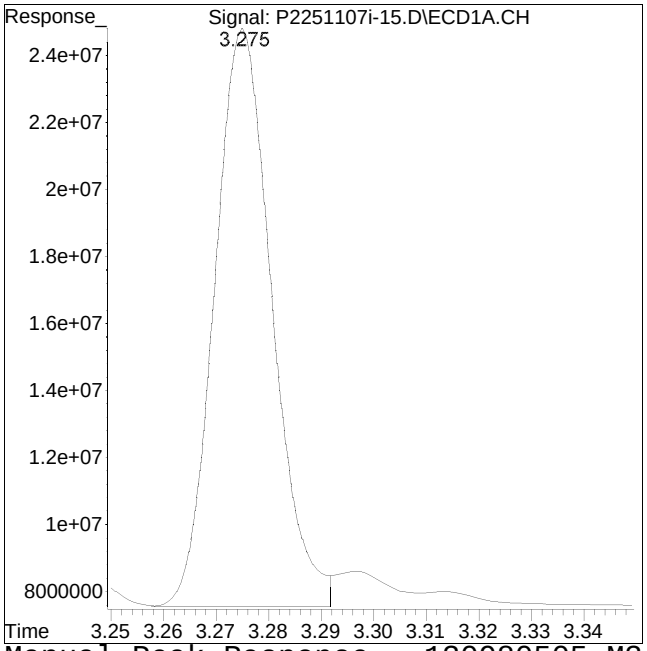
Original Peak Response = 90946846 Manual Peak Response = 89369945 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-15.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:32 Instrument : Pest 2
Sample : il81660,42e,,pp 12222 L100Quant Date : 11/12/2025 3:55 pm

Compound #12: 1260-4



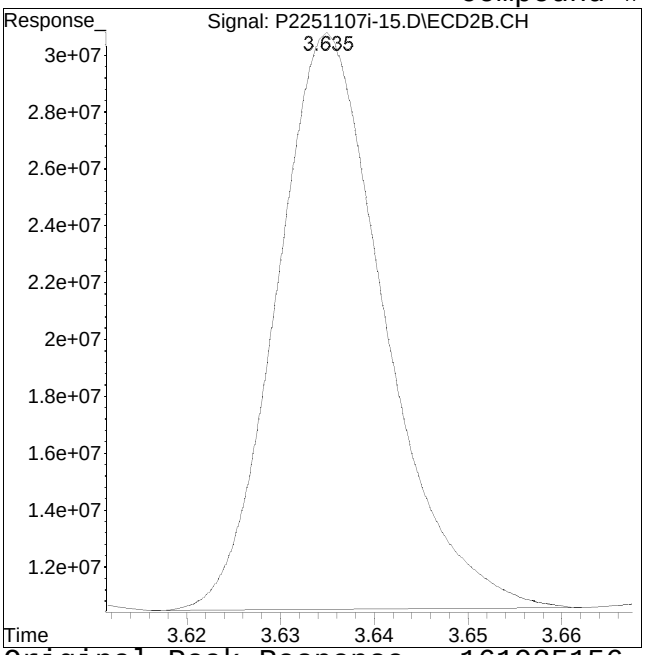


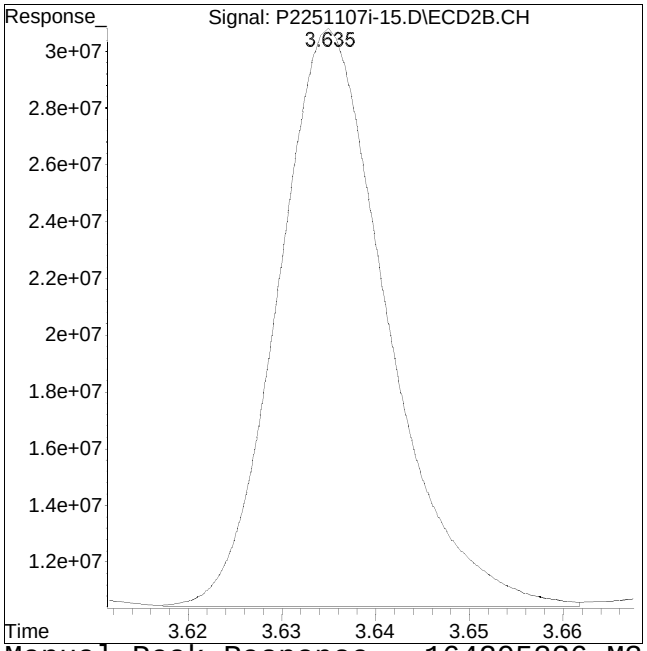
Original Peak Response = 141148788 Manual Peak Response = 130980505 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-15.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:32 Instrument : Pest 2
Sample : il81660,42e,,pp 12222 L100Quant Date : 11/12/2025 3:55 pm

Compound #63: 1260-4 #2





Original Peak Response = 161925156 Manual Peak Response = 164205336 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:40
Operator : pest2:sdc
Sample : il91660,42e,,pp 12222 L250RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 15:40:03 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 15:38:55 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.173	1.227	315.9E6	565.8E6	25.000M4	25.000M3
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.452	1.590	431.4E6	650.1E6	NoCal	NoCal M3
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
3) s	Decachlorobi	4.005	4.478	336.1E6	363.2E6	NoCal	NoCal M3
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	1.589	1.784	67570438	102.0E6	NoCal	NoCal M3
5) l1	1016-2	1.727	1.953	162.5E6	254.9E6	NoCal M3	NoCal
6) l1	1016-3	1.914	2.149	331.4E6	492.9E6	NoCal	NoCal
7) l1	1016-4	1.968	2.209	136.8E6	193.1E6	NoCal M1	NoCal
8) l1	1016-5	2.137	2.416	136.6E6	148.4E6	NoCal	NoCal
Sum	1016-1			0	0	N.D.	N.D.
Average	1016-1					0.000	0.000
9) l2	1260-1	2.676	3.017	199.9E6	282.2E6	NoCal	NoCal
10) l2	1260-2	2.805	3.119	316.2E6	306.0E6	NoCal	NoCal
11) l2	1260-3	3.119	3.506	163.6E6	224.3E6	NoCal	NoCal M4
12) l2	1260-4	3.274	3.636	358.3E6	424.1E6	NoCal M3	NoCal

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:40
Operator : pest2:sdc
Sample : il91660,42e,,pp 12222 L250RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 15:40:03 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 15:38:55 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13) l2	1260-5	3.422	3.835	267.7E6	311.2E6	NoCal M3	NoCal
Sum	1260-1			0	0	N.D.	N.D.
Average	1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9	1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:40
Operator : pest2:sdc
Sample : il91660,42e,,pp 12222 L250RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 15:40:03 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 15:38:55 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:40
Operator : pest2:sdc
Sample : il91660,42e,,pp 12222 L250RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 15:40:03 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 15:38:55 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

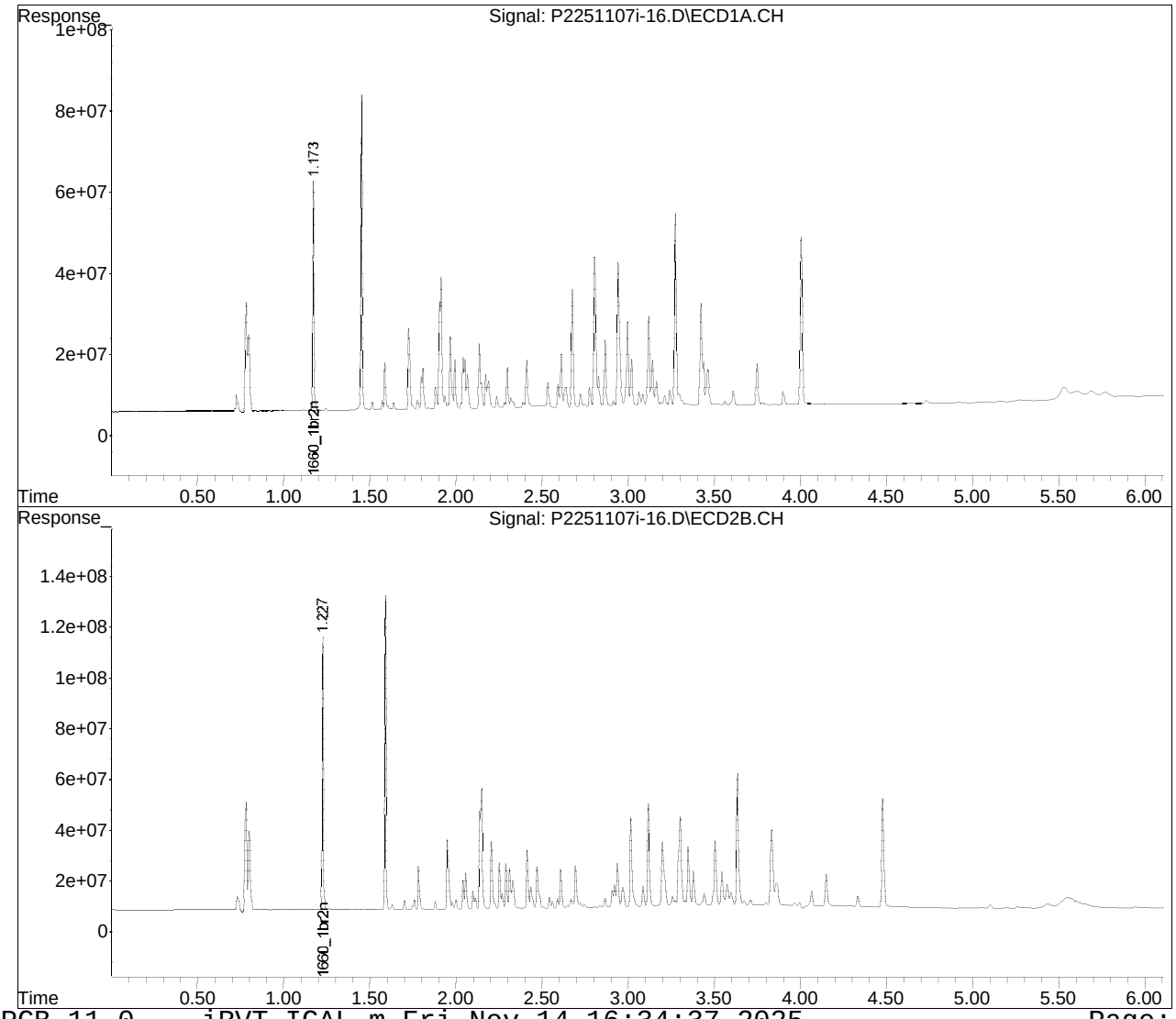
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:40
Operator : pest2:sdc
Sample : il91660,42e,,pp 12222 L250RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 15:40:03 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 15:38:55 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

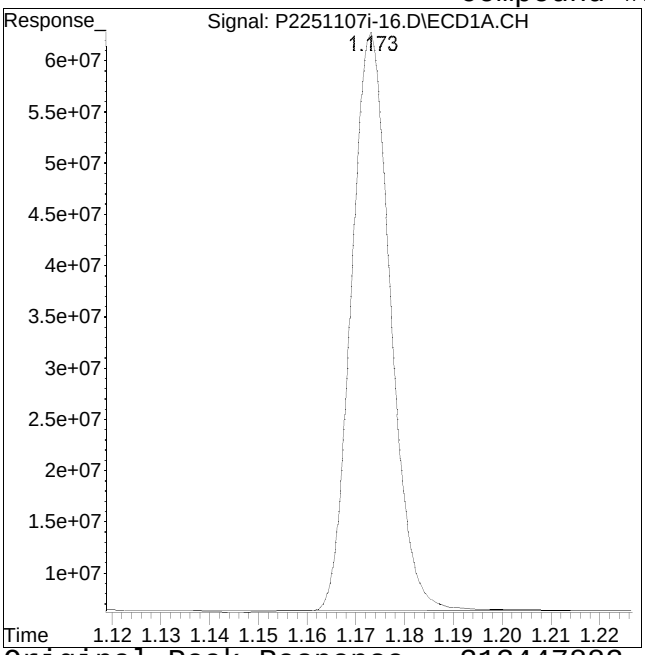
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

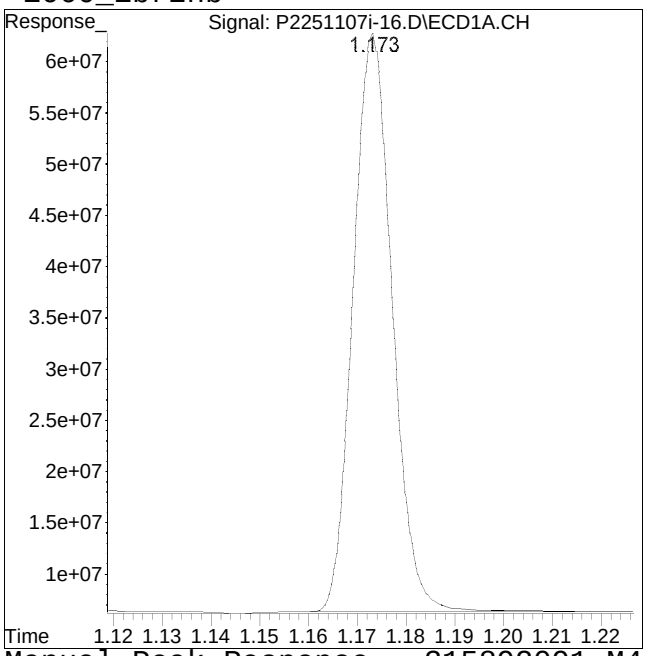


Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-16.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:40 Instrument : Pest 2
Sample : il91660,42e,,pp 12222 L250Quant Date : 11/12/2025 3:40 pm

Compound #1: 1660_1br2nb



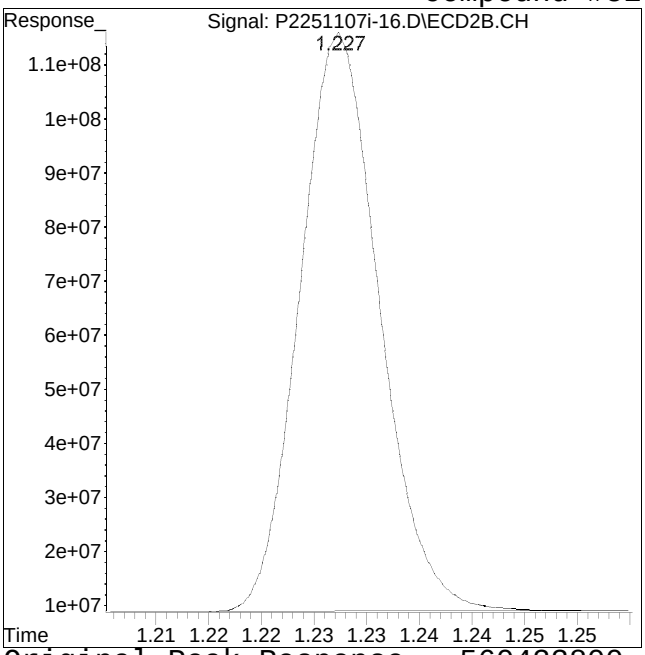


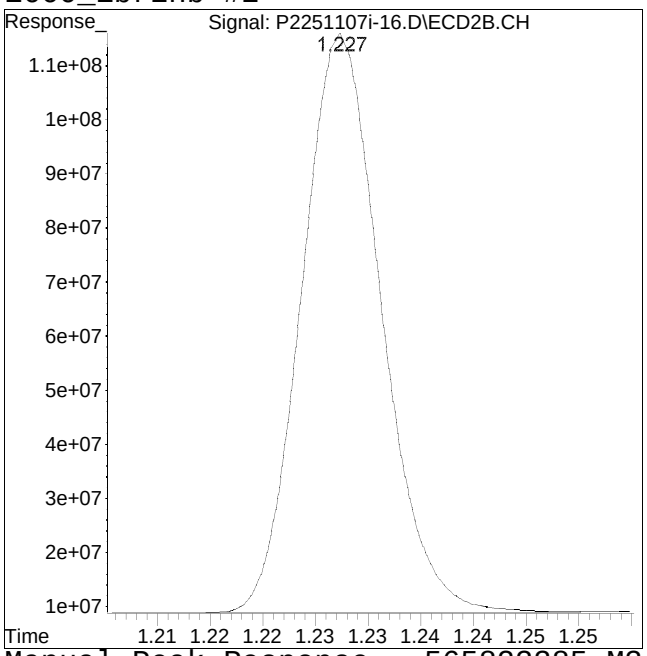
Original Peak Response = 313447883 Manual Peak Response = 315892091 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-16.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:40 Instrument : Pest 2
Sample : il91660,42e,,pp 12222 L250Quant Date : 11/12/2025 3:40 pm

Compound #52: 1660_1br2nb #2



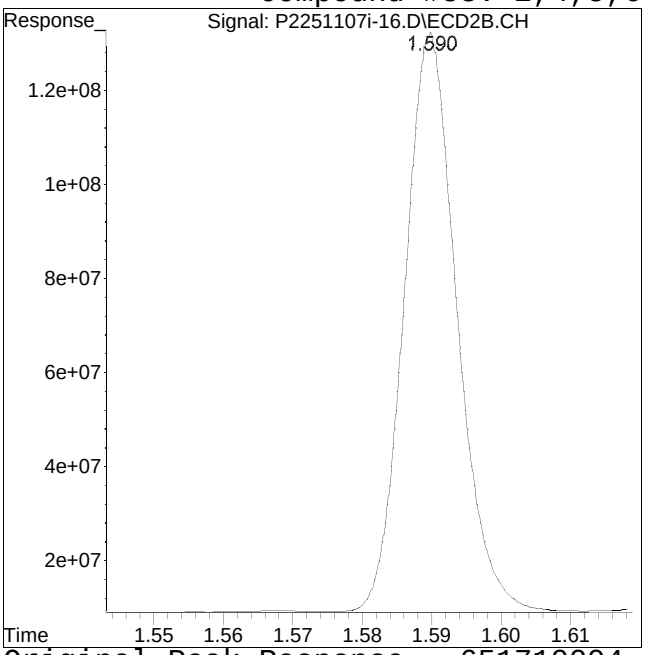


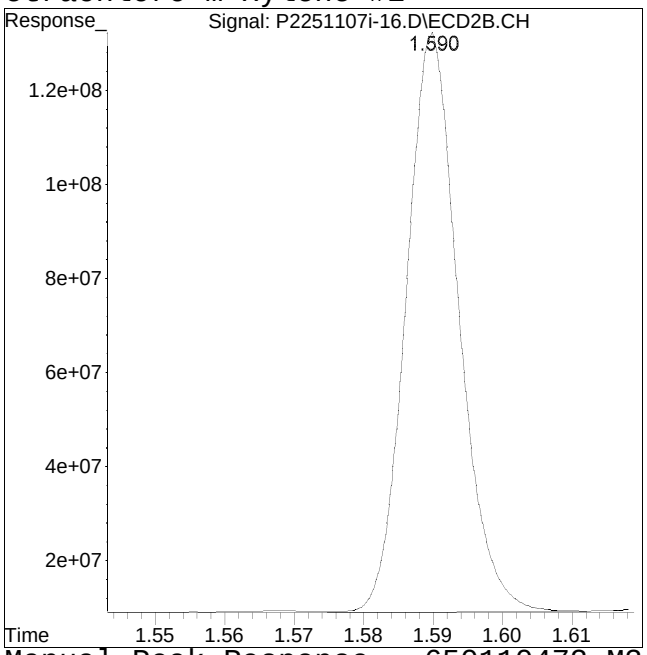
Original Peak Response = 560433800 Manual Peak Response = 565823385 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-16.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:40 Instrument : Pest 2
Sample : il91660,42e,,pp 12222 L250Quant Date : 11/12/2025 3:40 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



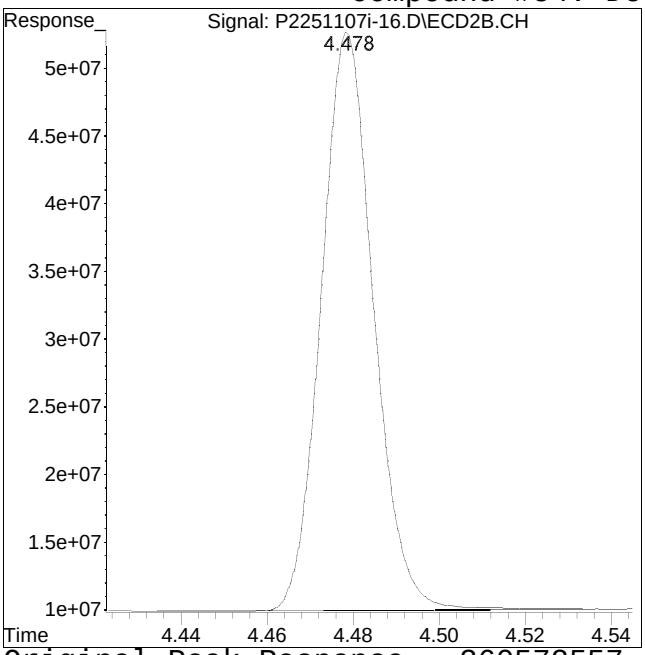


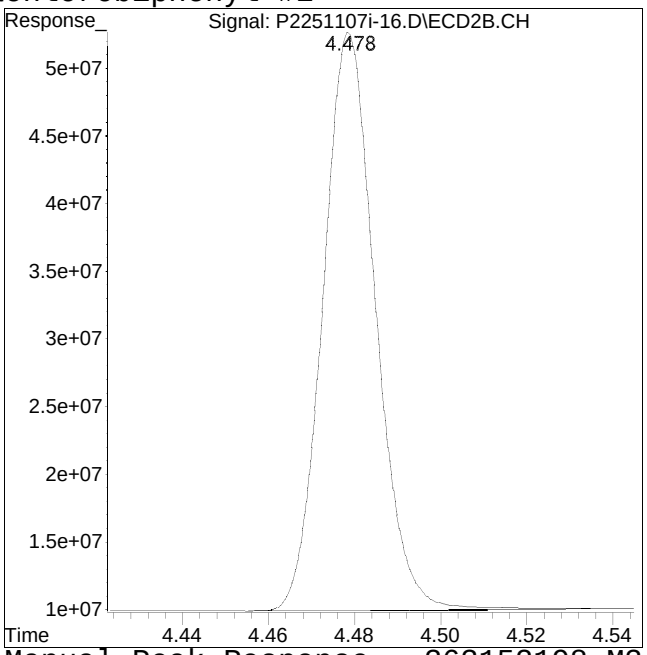
Original Peak Response = 651710004 Manual Peak Response = 650110472 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-16.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:40 Instrument : Pest 2
Sample : il91660,42e,,pp 12222 L250Quant Date : 11/12/2025 3:40 pm

Compound #54: Decachlorobiphenyl #2



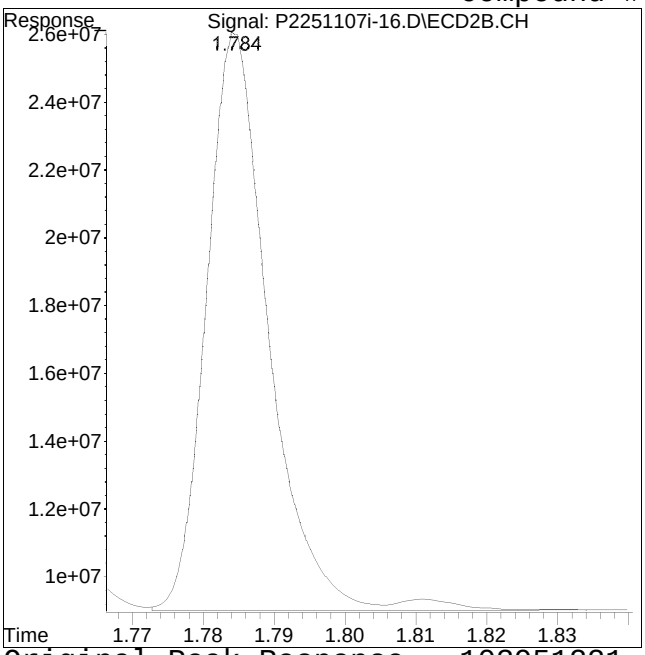


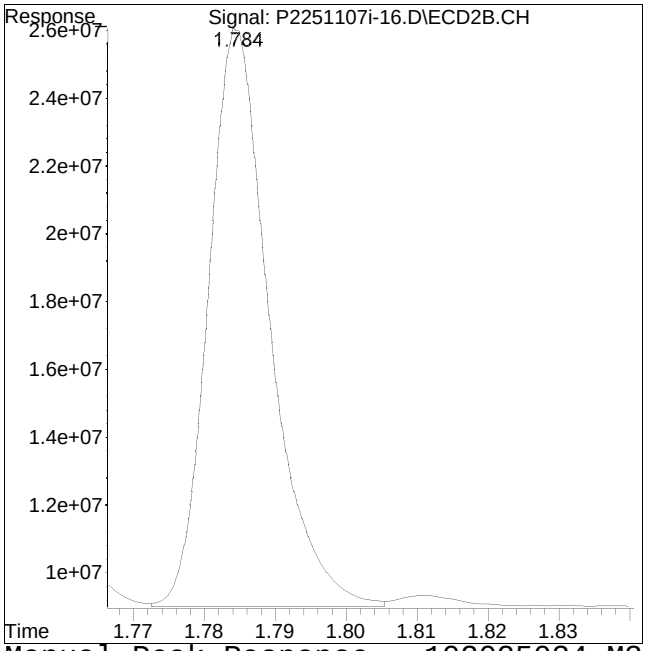
Original Peak Response = 360572557 Manual Peak Response = 363152198 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-16.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:40 Instrument : Pest 2
Sample : il91660,42e,,pp 12222 L250Quant Date : 11/12/2025 3:40 pm

Compound #55: 1016-1 #2



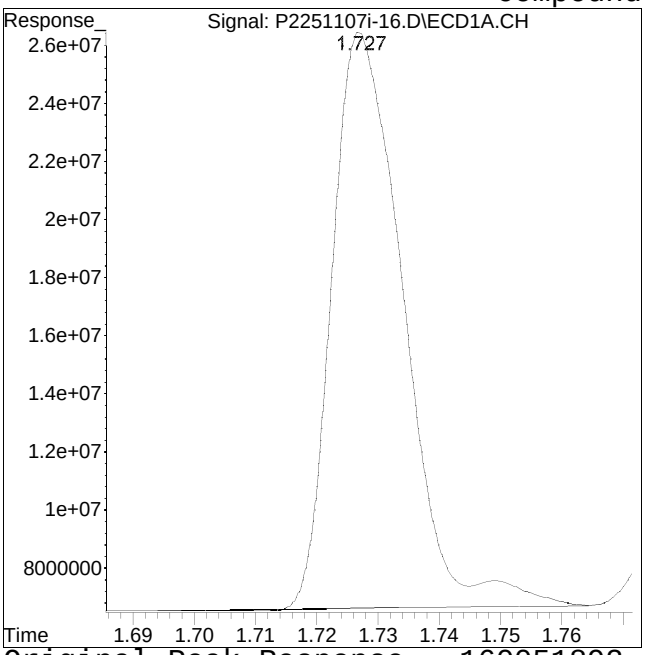


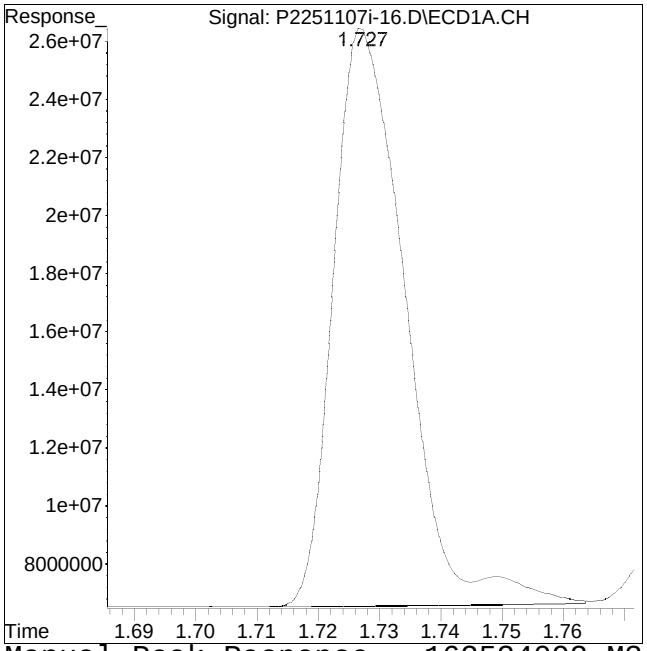
Original Peak Response = 103951221 Manual Peak Response = 102025034 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-16.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:40 Instrument : Pest 2
Sample : il91660,42e,,pp 12222 L250Quant Date : 11/12/2025 3:40 pm

Compound #5: 1016-2



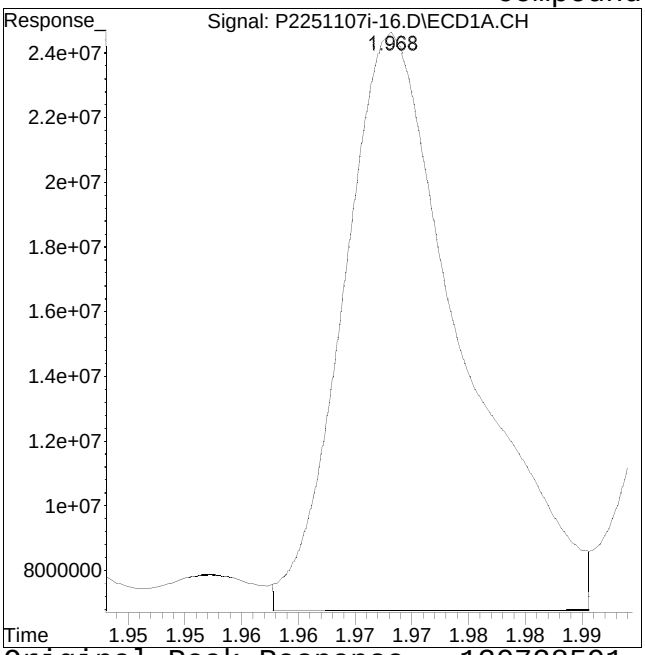


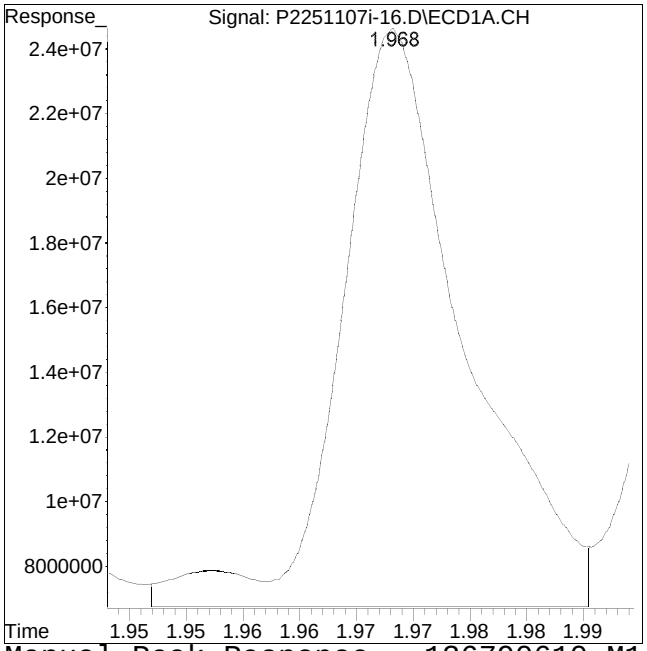
Original Peak Response = 160051892 Manual Peak Response = 162534092 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-16.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:40 Instrument : Pest 2
Sample : il91660,42e,,pp 12222 L250Quant Date : 11/12/2025 3:40 pm

Compound #7: 1016-4



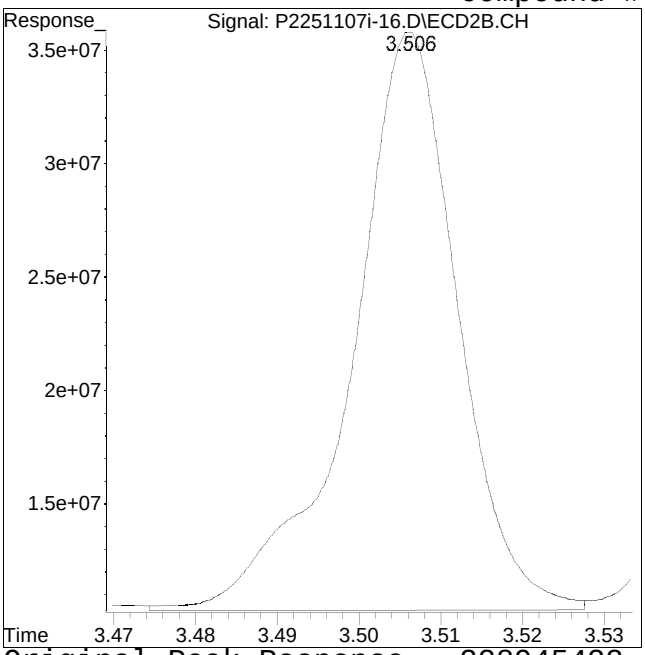


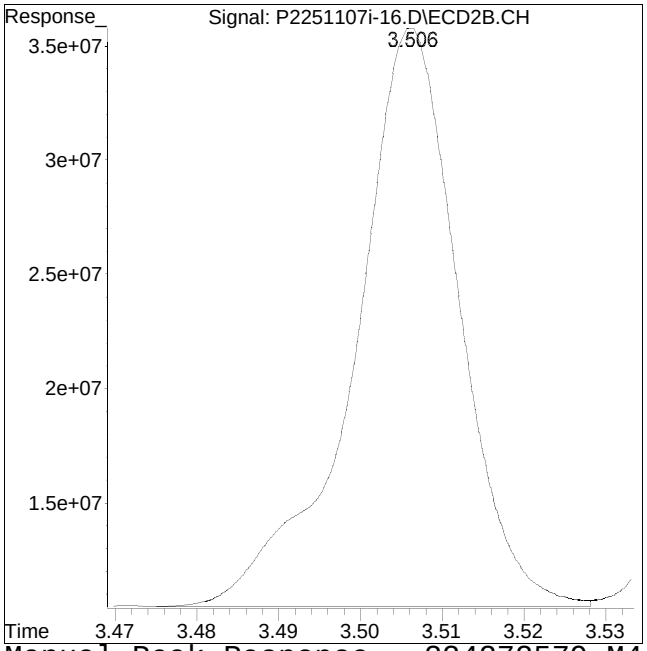
Original Peak Response = 130728591 Manual Peak Response = 136790610 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-16.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:40 Instrument : Pest 2
Sample : il91660,42e,,pp 12222 L250Quant Date : 11/12/2025 3:40 pm

Compound #62: 1260-3 #2



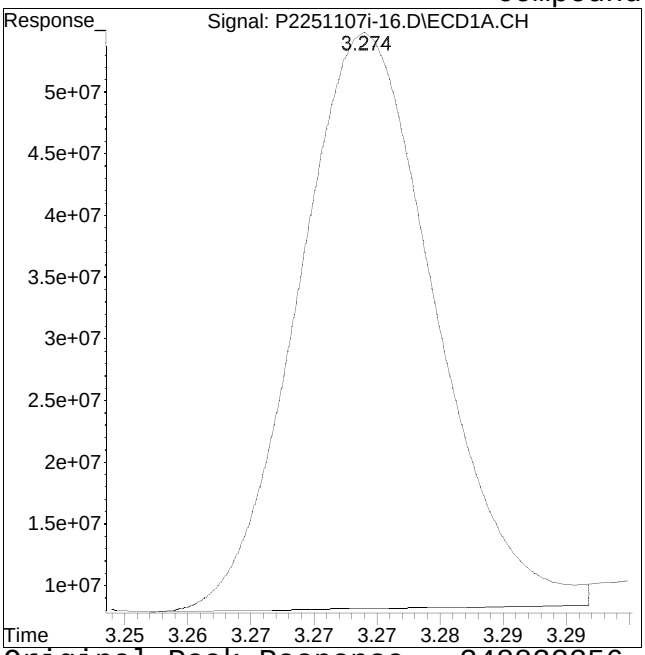


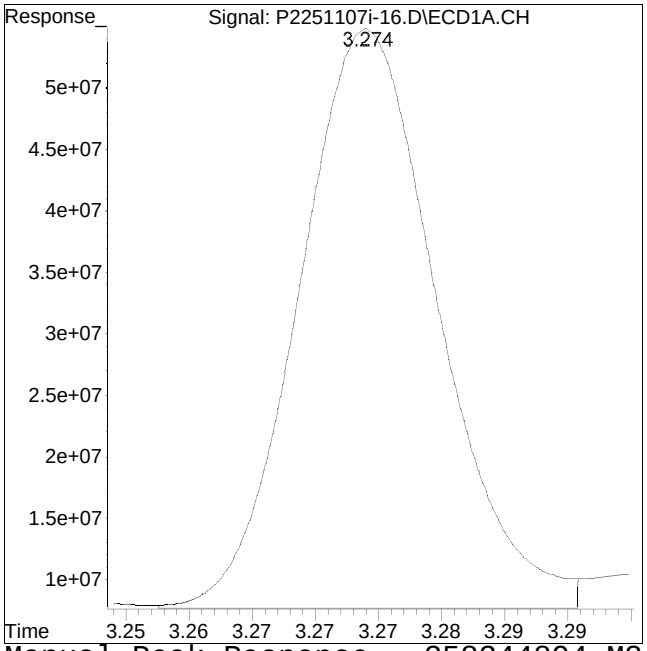
Original Peak Response = 228945422 Manual Peak Response = 224272579 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-16.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:40 Instrument : Pest 2
Sample : il91660,42e,,pp 12222 L250Quant Date : 11/12/2025 3:40 pm

Compound #12: 1260-4



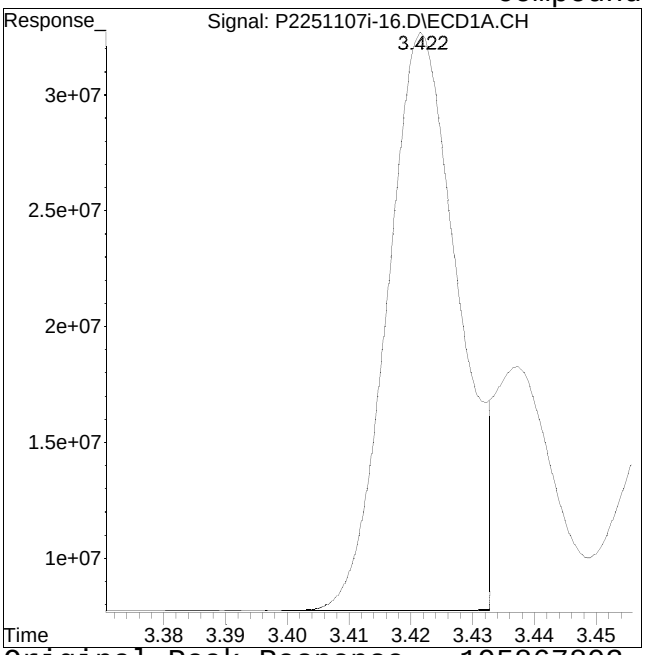


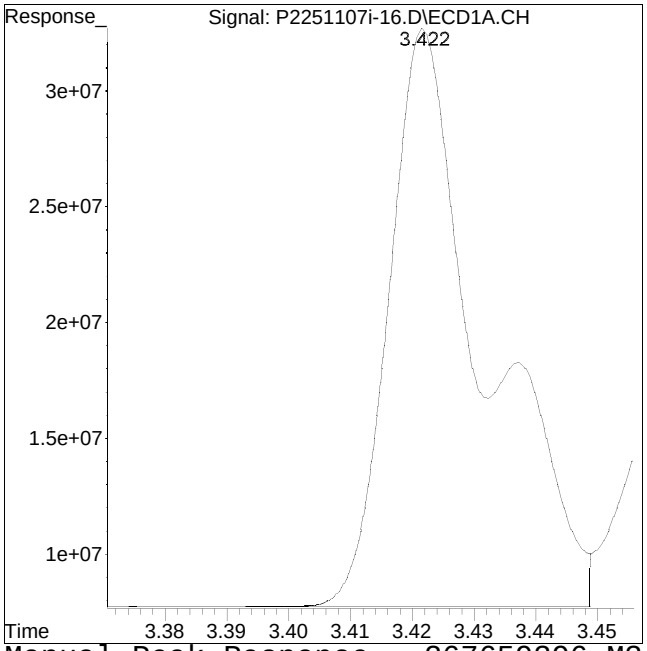
Original Peak Response = 348832356 Manual Peak Response = 358344894 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-16.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:40 Instrument : Pest 2
Sample : il91660,42e,,pp 12222 L250Quant Date : 11/12/2025 3:40 pm

Compound #13: 1260-5





Original Peak Response = 195867803 Manual Peak Response = 267659396 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:49
Operator : pest2:sdc
Sample : il101660,42e,,pp 12222 L500RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 15:44:19 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 15:43:39 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.173	1.227	328.7E6	574.9E6	25.000	25.000M3
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.452	1.590	863.7E6	1295.9E6	48.095	48.931M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		96.19%	97.86%
3) s	Decachlorobi	4.005	4.479	662.0E6	686.1E6	47.313	46.666M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		94.63%	93.33%
	Target Compounds						
4) l1	1016-1	1.588	1.784	129.9E6	193.3E6	461.871M3	466.267M3
5) l1	1016-2	1.727	1.953	320.2E6	480.0E6	473.370	463.304
6) l1	1016-3	1.914	2.149	660.6E6	968.3E6	478.928	483.360
7) l1	1016-4	1.968	2.209	273.6E6	377.3E6	502.768M1	480.887
8) l1	1016-5	2.137	2.415	271.5E6	287.9E6	477.487	477.263M3
Sum	1016-1			1655.9E6	2306.8E6	2394.423	2371.080
Average	1016-1					478.885	474.216
9) l2	1260-1	2.676	3.017	399.2E6	579.5E6	479.833	505.346
10) l2	1260-2	2.805	3.119	626.6E6	644.4E6	476.095	518.302
11) l2	1260-3	3.119	3.506	329.8E6	427.2E6	484.338	459.143M4
12) l2	1260-4	3.273	3.636	725.6E6	828.9E6	486.497M3	480.997

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:49
Operator : pest2:sdc
Sample : il101660,42e,,pp 12222 L500RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 15:44:19 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 15:43:39 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13) l2	1260-5	3.421	3.834	537.2E6	598.5E6	482.202M1	473.263M3
Sum	1260-1			2618.4E6	3078.5E6	NoCal	NoCal D
Average	1260-1					481.793	487.410
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:49
Operator : pest2:sdc
Sample : il101660,42e,,pp 12222 L500RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 15:44:19 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 15:43:39 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:49
Operator : pest2:sdc
Sample : il101660,42e,,pp 12222 L500RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 15:44:19 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 15:43:39 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

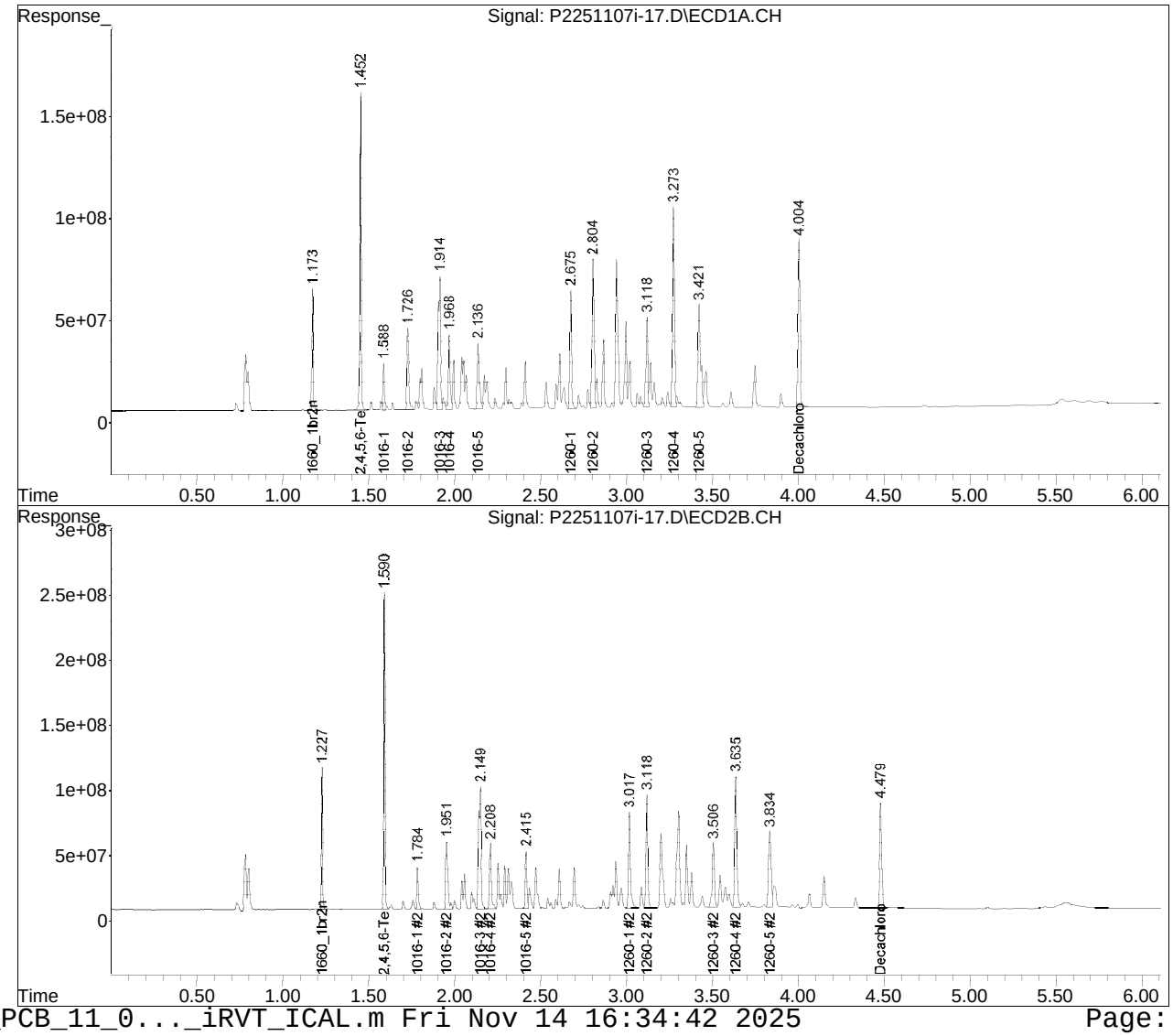
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:49
Operator : pest2:sdc
Sample : il101660,42e,,pp 12222 L500RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 15:44:19 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 15:43:39 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

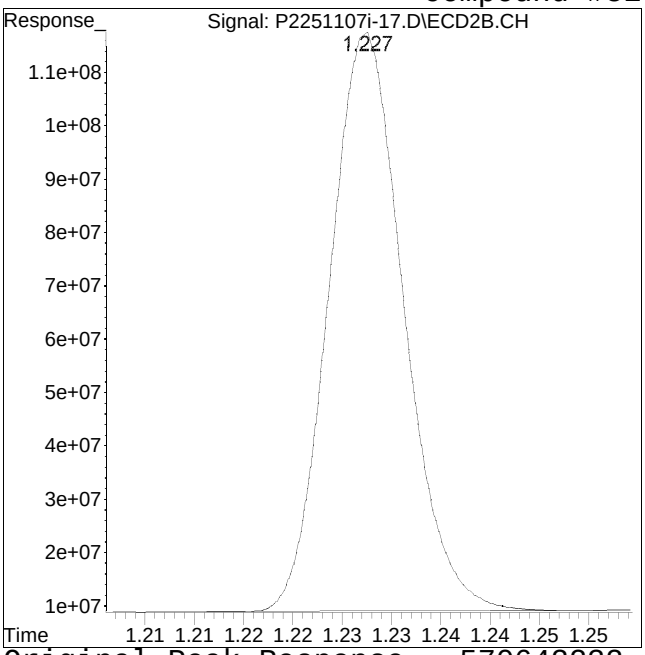
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

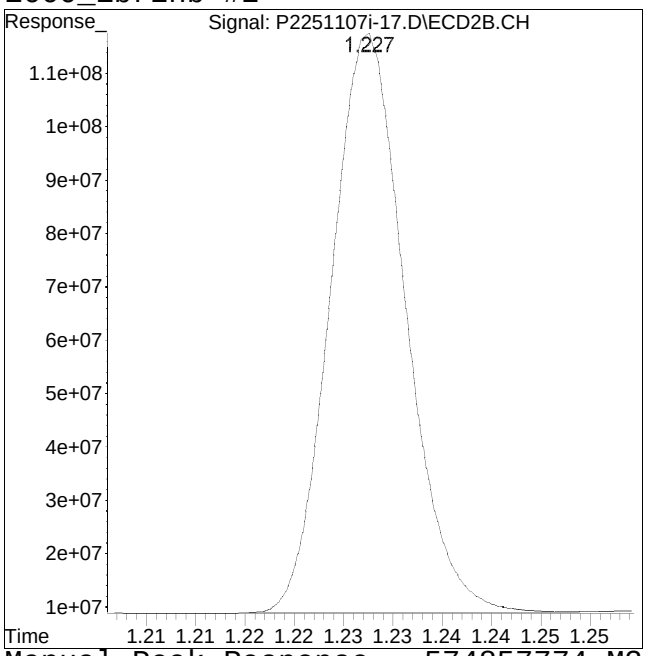


Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-17.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:49 Instrument : Pest 2
Sample : il101660,42e,,pp 12222 L50Quant Date : 11/12/2025 3:44 pm

Compound #52: 1660_1br2nb #2



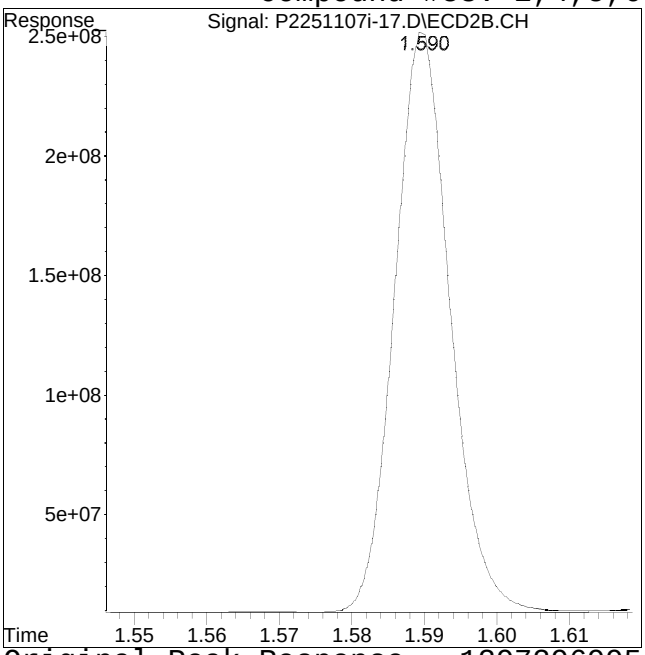


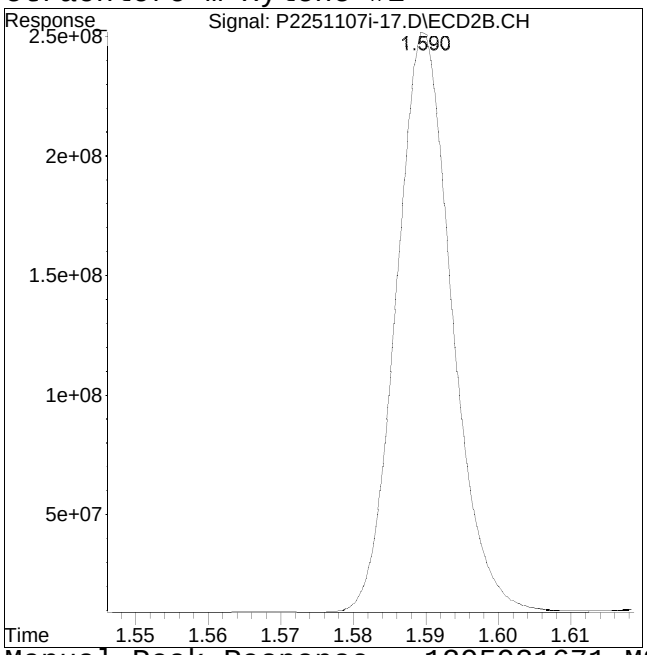
Original Peak Response = 570642232 Manual Peak Response = 574857774 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-17.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:49 Instrument : Pest 2
Sample : il101660,42e,,pp 12222 L50Quant Date : 11/12/2025 3:44 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



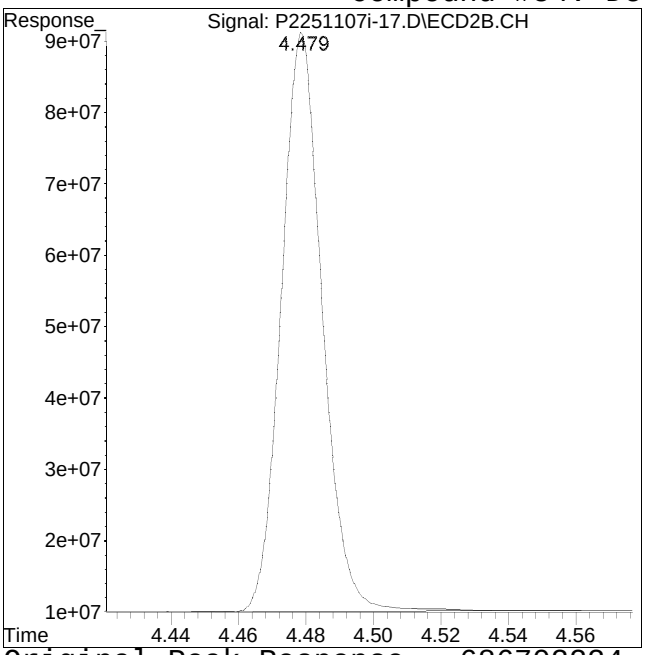


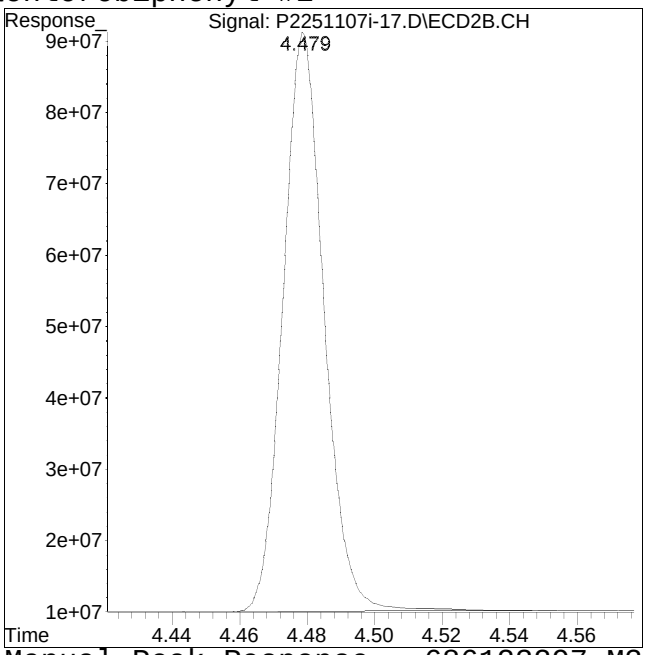
Original Peak Response = 1297296995 Manual Peak Response = 1295921671 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-17.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:49 Instrument : Pest 2
Sample : il101660,42e,,pp 12222 L50Quant Date : 11/12/2025 3:44 pm

Compound #54: Decachlorobiphenyl #2



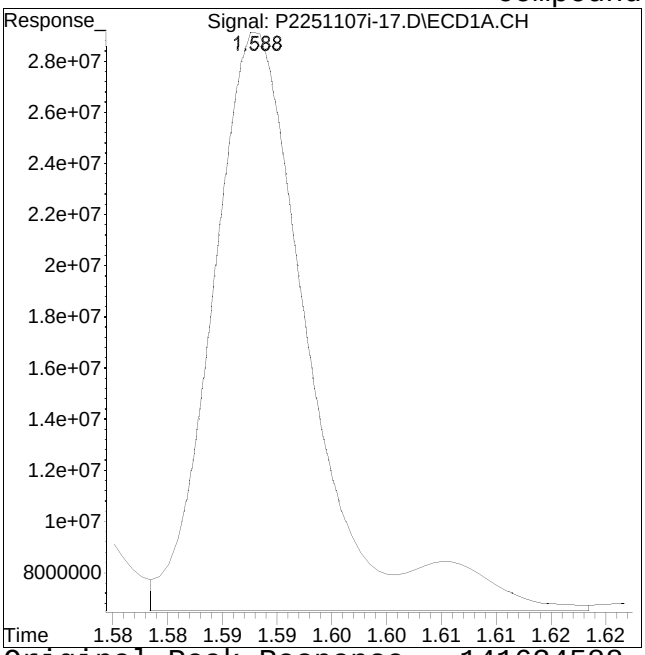


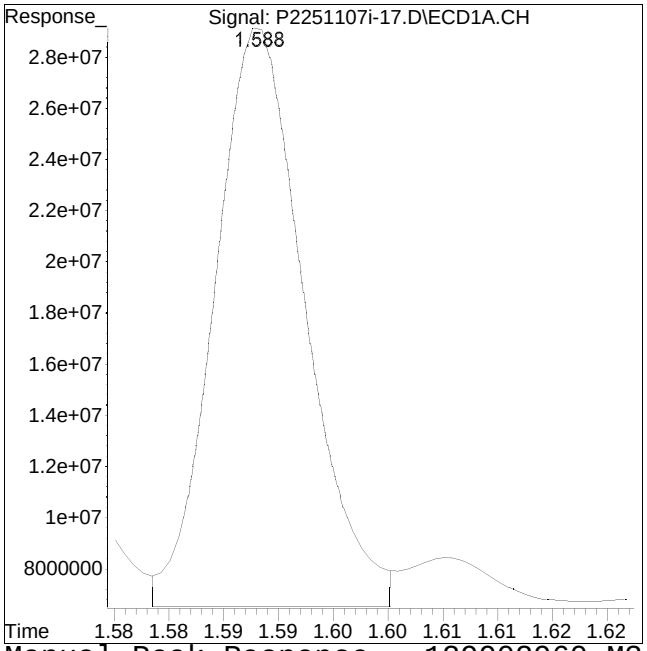
Original Peak Response = 686702224 Manual Peak Response = 686123297 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-17.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:49 Instrument : Pest 2
Sample : il101660,42e,,pp 12222 L50Quant Date : 11/12/2025 3:44 pm

Compound #4: 1016-1



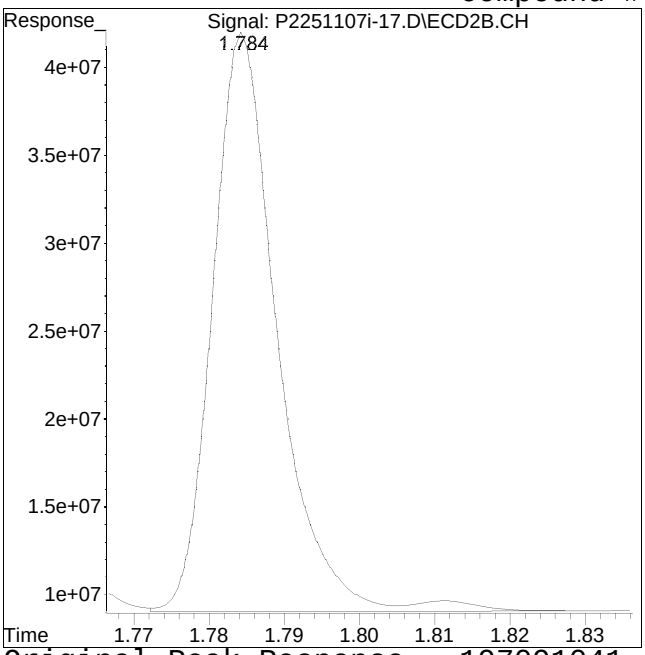


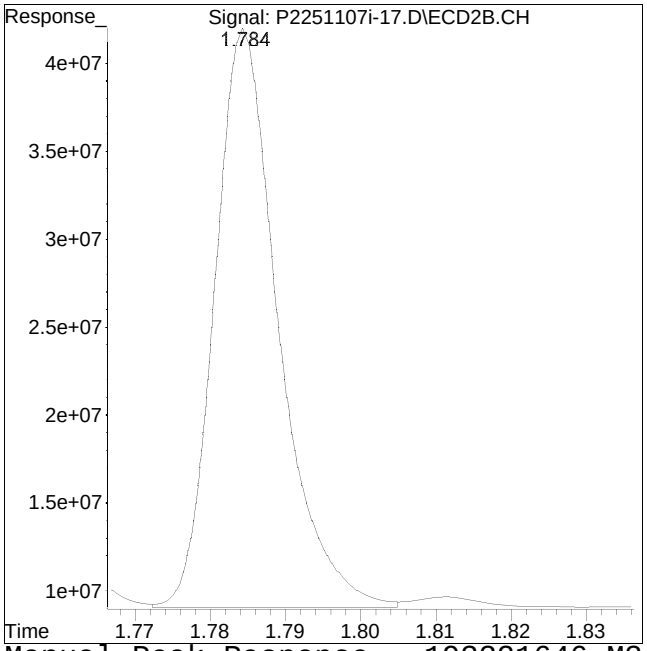
Original Peak Response = 141634588 Manual Peak Response = 129902960 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-17.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:49 Instrument : Pest 2
Sample : il101660,42e,,pp 12222 L50Quant Date : 11/12/2025 3:44 pm

Compound #55: 1016-1 #2



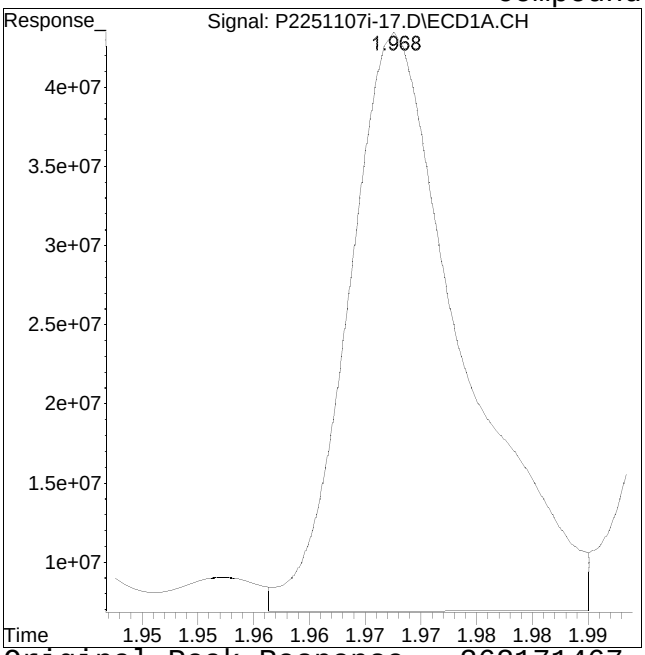


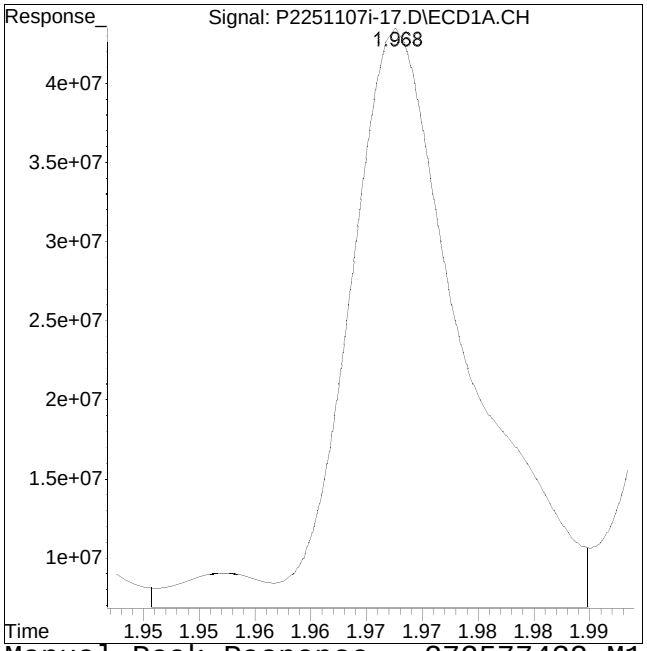
Original Peak Response = 197091041 Manual Peak Response = 193321646 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-17.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:49 Instrument : Pest 2
Sample : il101660,42e,,pp 12222 L50Quant Date : 11/12/2025 3:44 pm

Compound #7: 1016-4



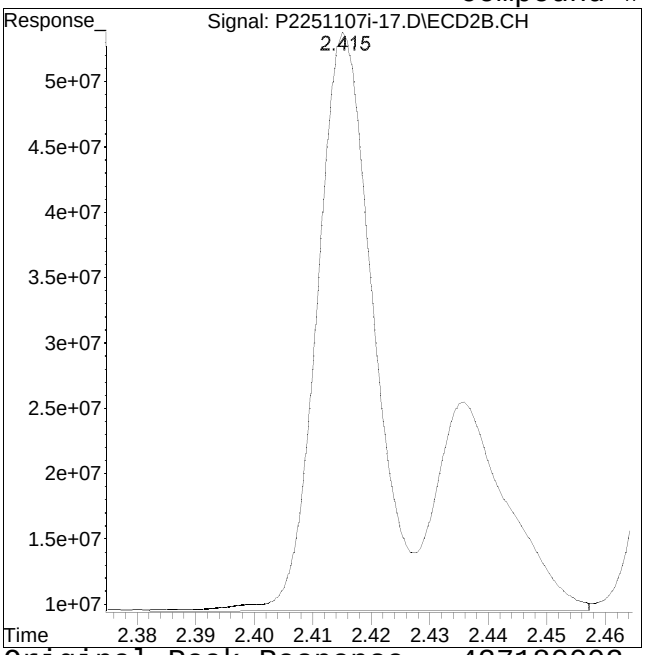


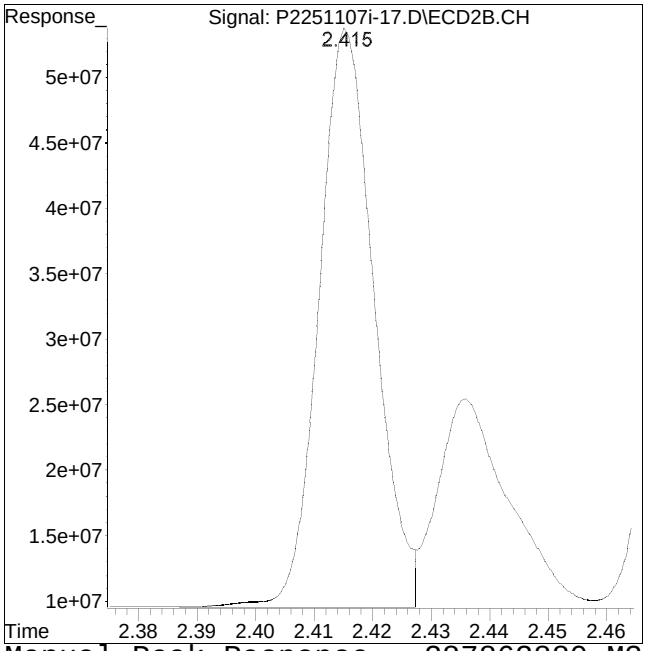
Original Peak Response = 262171467 Manual Peak Response = 273577432 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-17.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:49 Instrument : Pest 2
Sample : il101660,42e,,pp 12222 L50Quant Date : 11/12/2025 3:44 pm

Compound #59: 1016-5 #2



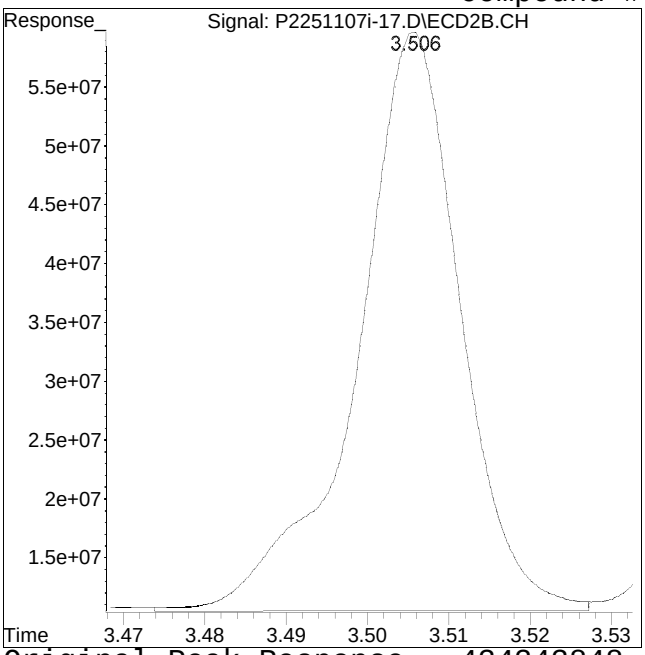


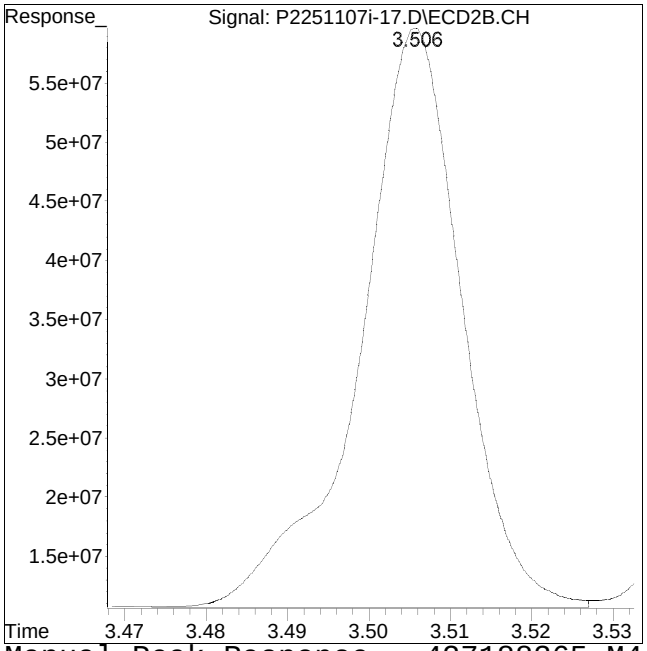
Original Peak Response = 427180002 Manual Peak Response = 287863880 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-17.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:49 Instrument : Pest 2
Sample : il101660,42e,,pp 12222 L50Quant Date : 11/12/2025 3:44 pm

Compound #62: 1260-3 #2



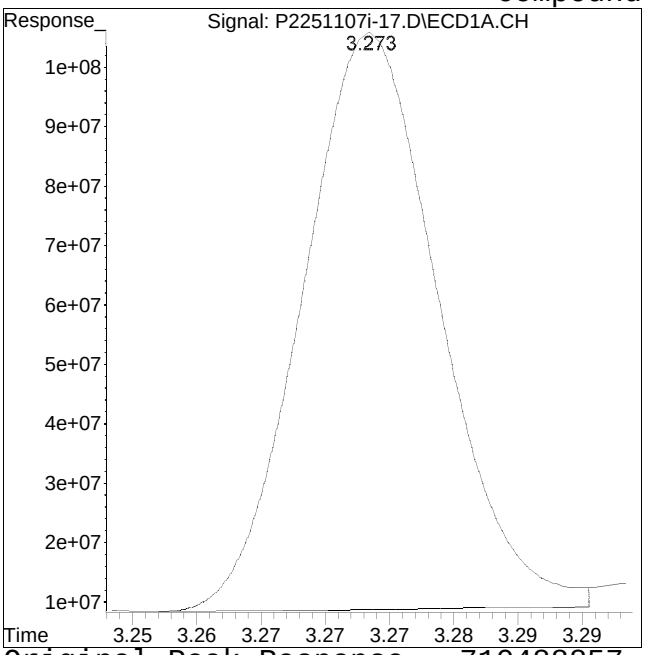


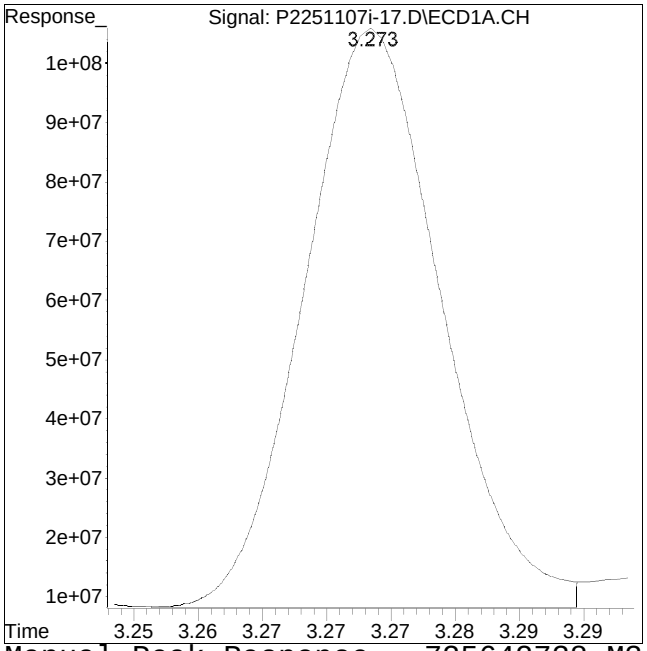
Original Peak Response = 434343848 Manual Peak Response = 427188365 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-17.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:49 Instrument : Pest 2
Sample : il101660,42e,,pp 12222 L50Quant Date : 11/12/2025 3:44 pm

Compound #12: 1260-4



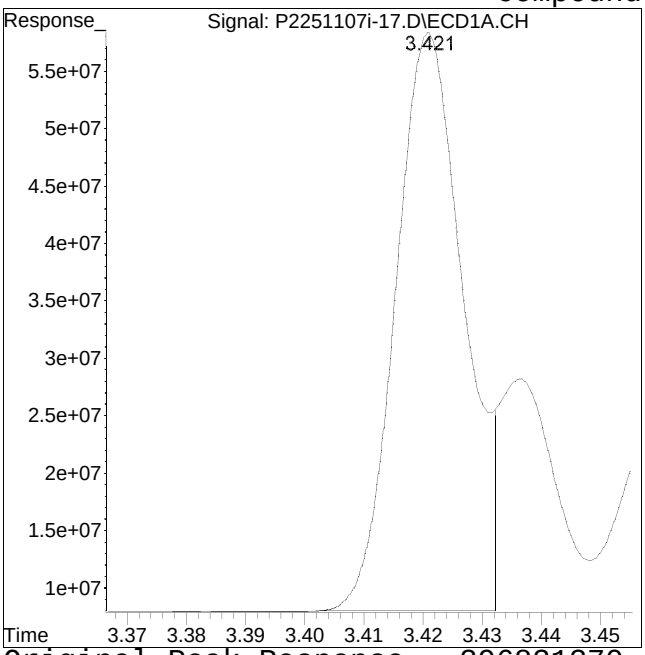


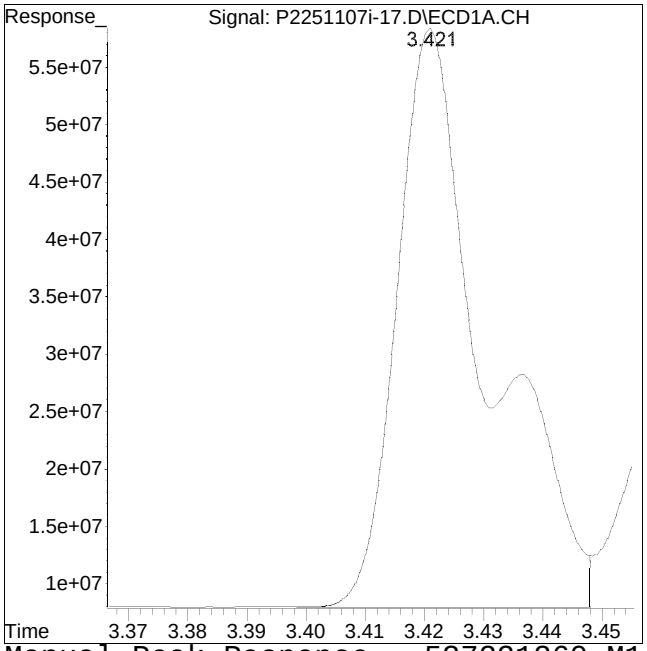
Original Peak Response = 710488857 Manual Peak Response = 725642738 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-17.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:49 Instrument : Pest 2
Sample : il101660,42e,,pp 12222 L50Quant Date : 11/12/2025 3:44 pm

Compound #13: 1260-5



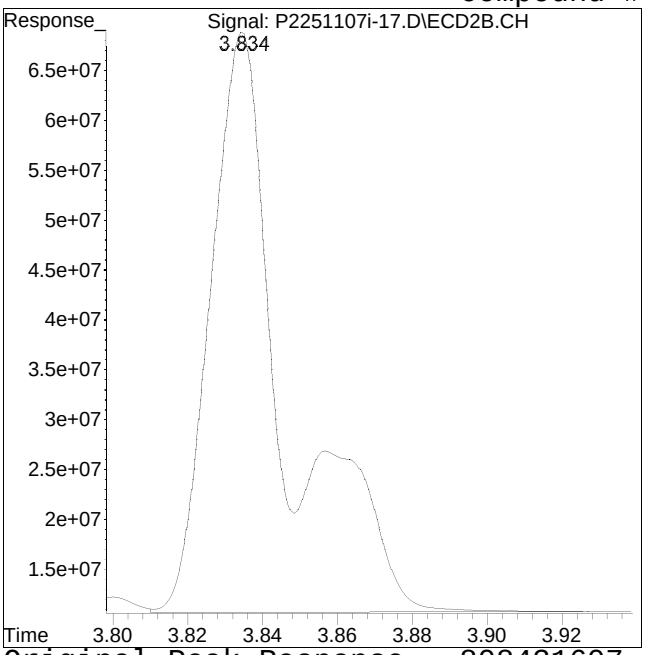


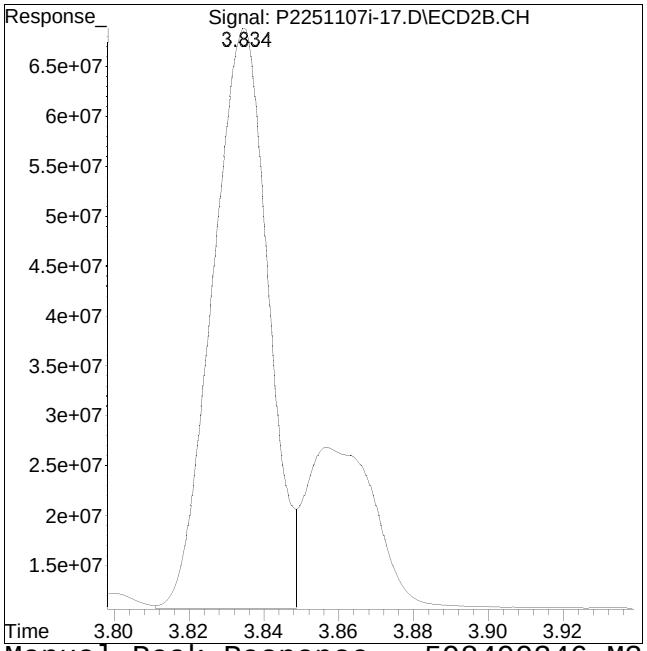
Original Peak Response = 396831370 Manual Peak Response = 537221260 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-17.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:49 Instrument : Pest 2
Sample : il101660,42e,,pp 12222 L50Quant Date : 11/12/2025 3:44 pm

Compound #64: 1260-5 #2





Original Peak Response = 808431607 Manual Peak Response = 598490346 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:58
Operator : pest2:sdc
Sample : il111660,42e,,pp 12222 L1000RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 15:51:03 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 15:50:48 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.174	1.228	337.9E6	577.4E6	25.000	25.000M3
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.453	1.590	1724.7E6	2529.6E6	95.247	96.073M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		190.49%#	192.15%#
3) s	Decachlorobi	4.005	4.478	1292.7E6	1354.6E6	92.366	94.856M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		184.73%#	189.71%#
	Target Compounds						
4) l1	1016-1	1.589	1.784	256.4E6	368.1E6	921.905	906.177M3
5) l1	1016-2	1.728	1.953	625.1E6	917.4E6	923.445	915.223
6) l1	1016-3	1.914	2.149	1325.2E6	1898.7E6	954.748	959.661
7) l1	1016-4	1.968	2.209	542.3E6	734.3E6	945.018M1	949.944
8) l1	1016-5	2.137	2.416	539.4E6	563.7E6	944.095	952.229
Sum	1016-1			3288.4E6	4482.2E6	4689.211	4683.235
Average	1016-1					937.842	936.647
9) l2	1260-1	2.676	3.017	788.9E6	1124.0E6	941.550	970.762
10) l2	1260-2	2.805	3.119	1238.1E6	1265.9E6	937.489	995.481
11) l2	1260-3	3.119	3.506	661.6E6	811.7E6	960.440	898.448M4
12) l2	1260-4	3.275	3.636	1453.7E6	1598.6E6	961.160	941.472
13) l2	1260-5	3.422	3.835	1067.1E6	1151.3E6	948.709M1	931.369

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:58
Operator : pest2:sdc
Sample : il111660,42e,,pp 12222 L1000RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 15:51:03 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 15:50:48 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1260-1			5209.4E6	5951.6E6	NoCal	NoCal D
Average	1260-1					949.870	947.507
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:58
Operator : pest2:sdc
Sample : il111660,42e,,pp 12222 L1000RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 15:51:03 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 15:50:48 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:58
Operator : pest2:sdc
Sample : il111660,42e,,pp 12222 L1000RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 15:51:03 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 15:50:48 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

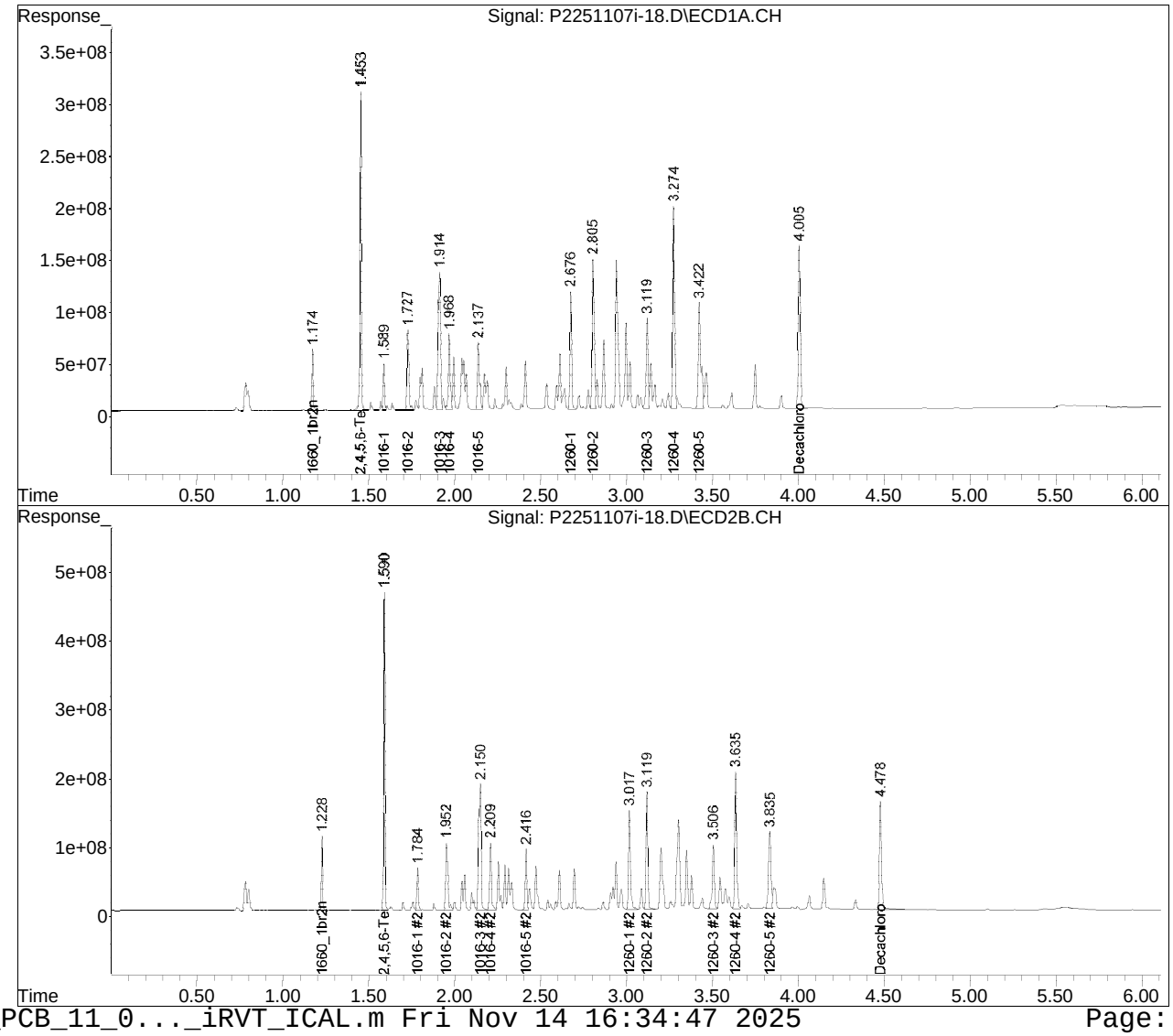
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 12:58
Operator : pest2:sdc
Sample : il111660,42e,,pp 12222 L1000RVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 15:51:03 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 12 15:50:48 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

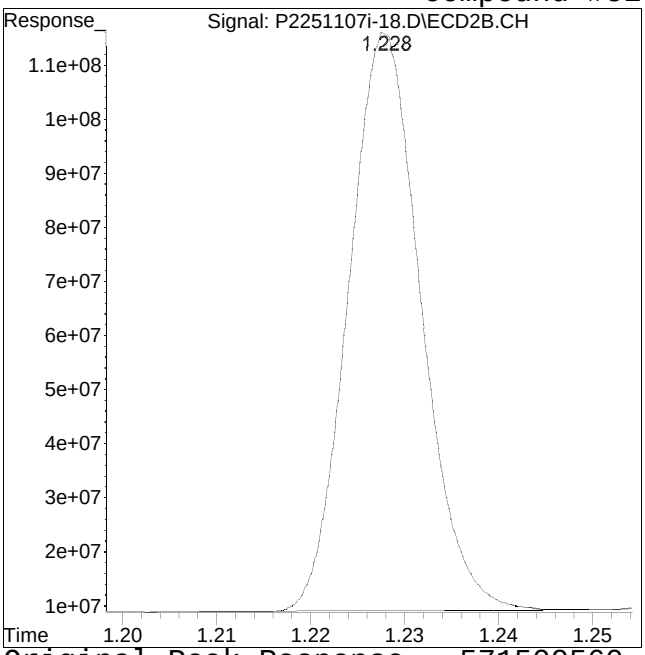
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

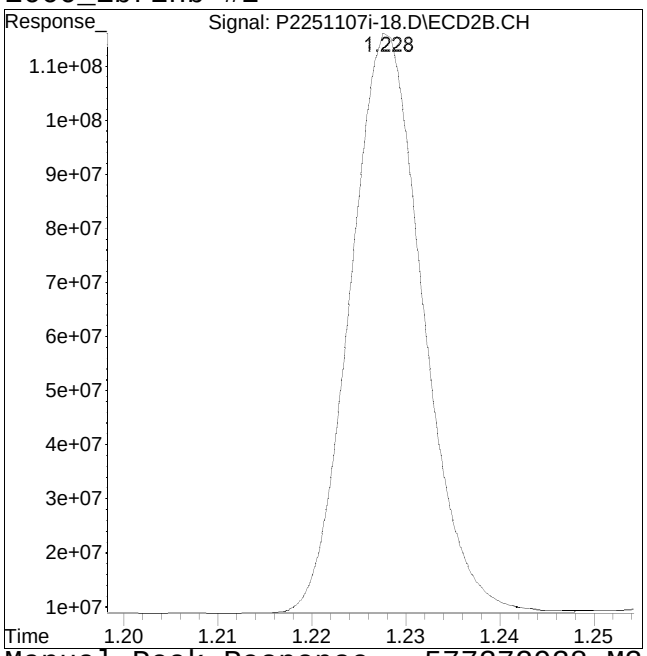


Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-18.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:58 Instrument : Pest 2
Sample : il111660,42e,,pp 12222 L10Quant Date : 11/12/2025 3:51 pm

Compound #52: 1660_1br2nb #2



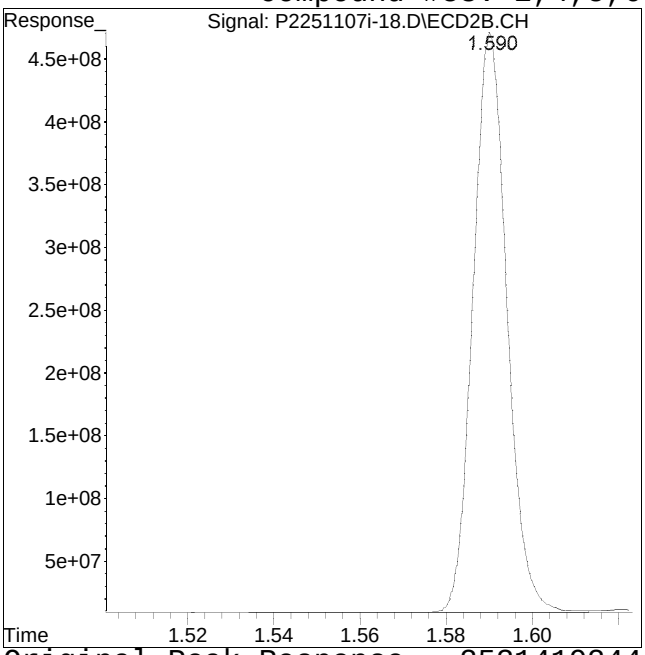


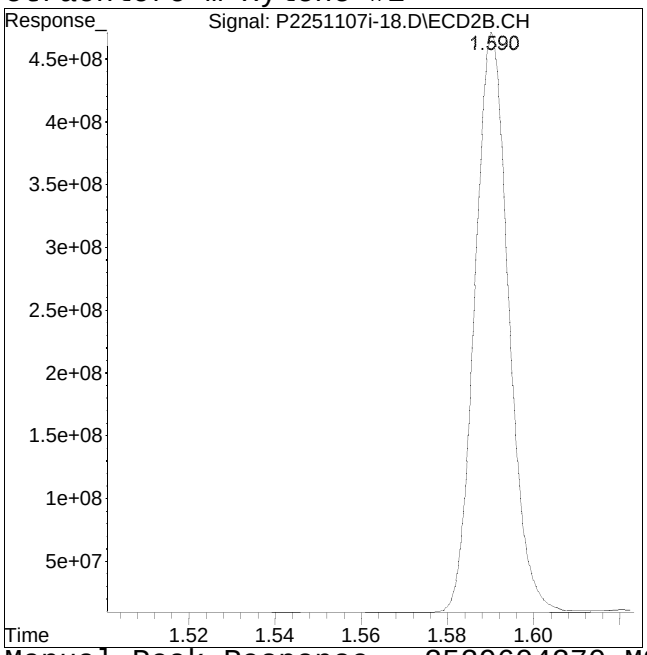
Original Peak Response = 571500560 Manual Peak Response = 577372938 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-18.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:58 Instrument : Pest 2
Sample : il111660,42e,,pp 12222 L10Quant Date : 11/12/2025 3:51 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



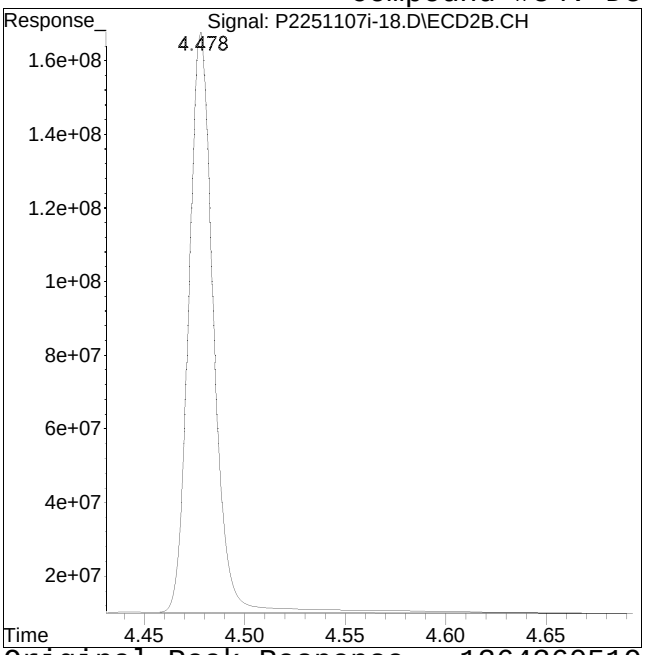


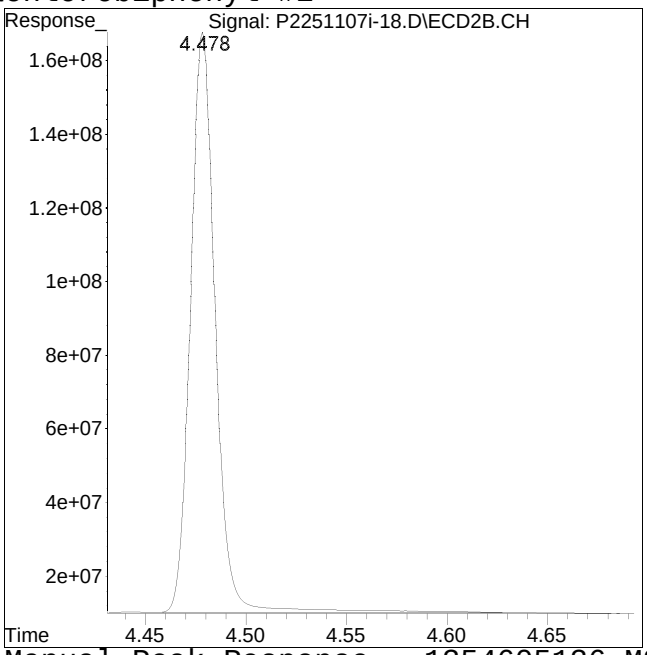
Original Peak Response = 2531419244 Manual Peak Response = 2529604270 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-18.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:58 Instrument : Pest 2
Sample : il111660,42e,,pp 12222 L10Quant Date : 11/12/2025 3:51 pm

Compound #54: Decachlorobiphenyl #2



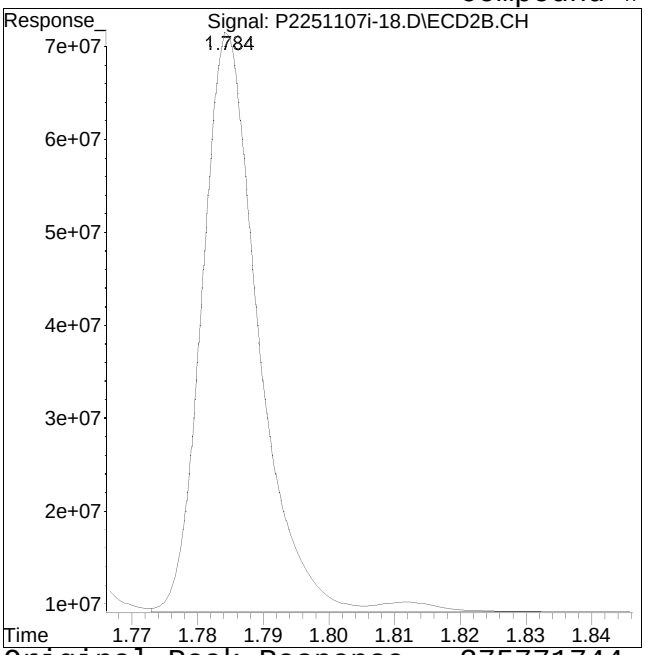


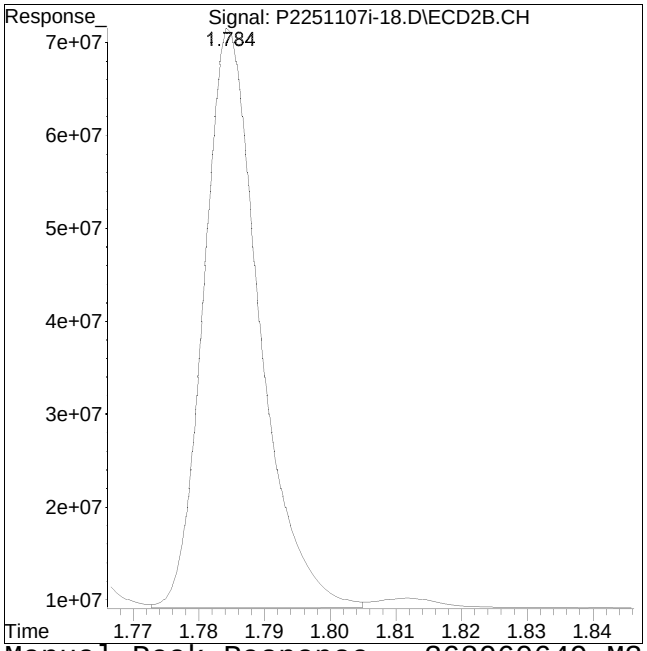
Original Peak Response = 1364360519 Manual Peak Response = 1354605136 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-18.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:58 Instrument : Pest 2
Sample : il111660,42e,,pp 12222 L10Quant Date : 11/12/2025 3:51 pm

Compound #55: 1016-1 #2



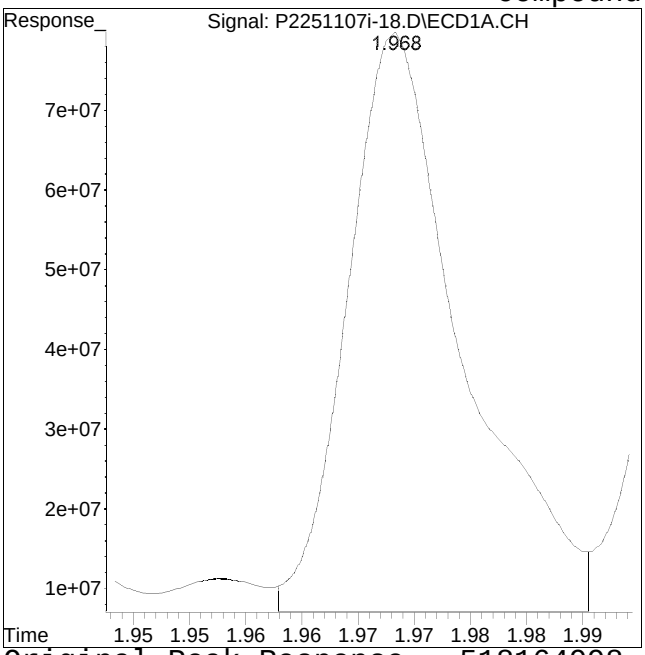


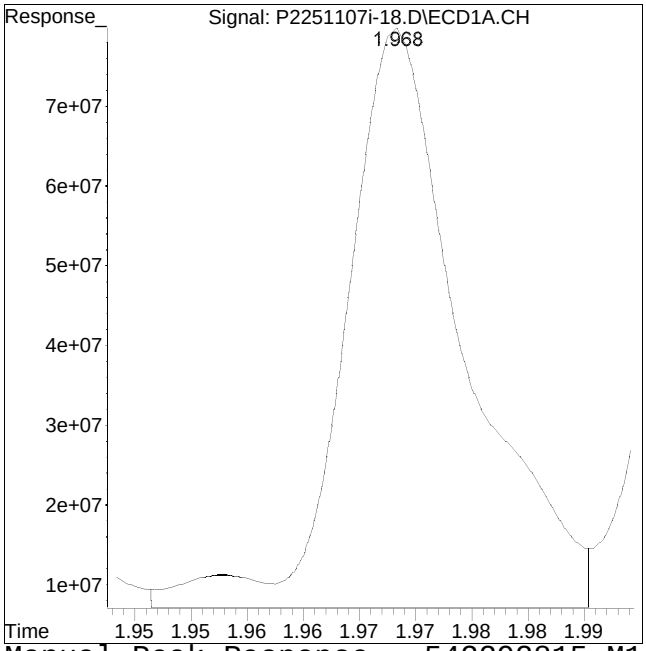
Original Peak Response = 375771744 Manual Peak Response = 368060649 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-18.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:58 Instrument : Pest 2
Sample : il111660,42e,,pp 12222 L10Quant Date : 11/12/2025 3:51 pm

Compound #7: 1016-4



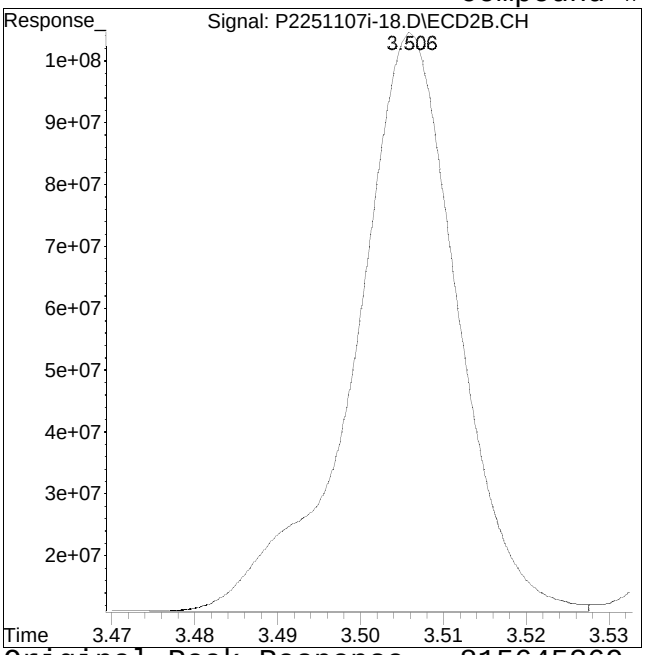


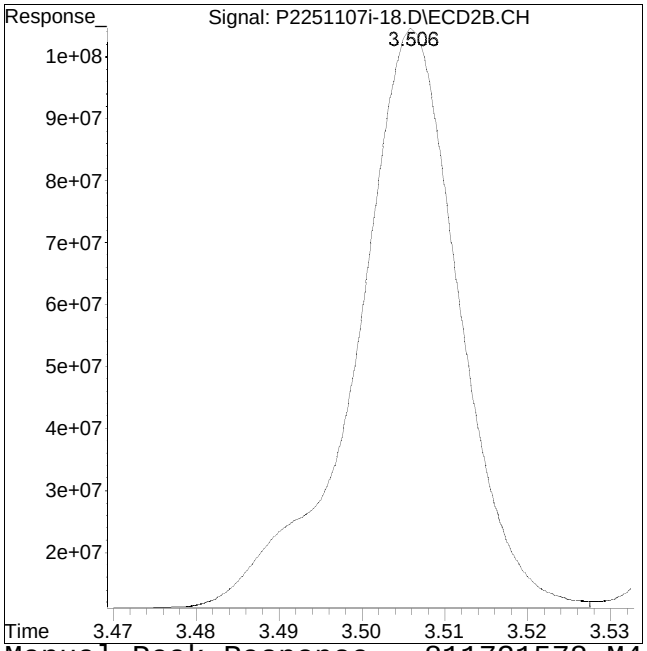
Original Peak Response = 518164998 Manual Peak Response = 542292815 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-18.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:58 Instrument : Pest 2
Sample : il111660,42e,,pp 12222 L10Quant Date : 11/12/2025 3:51 pm

Compound #62: 1260-3 #2



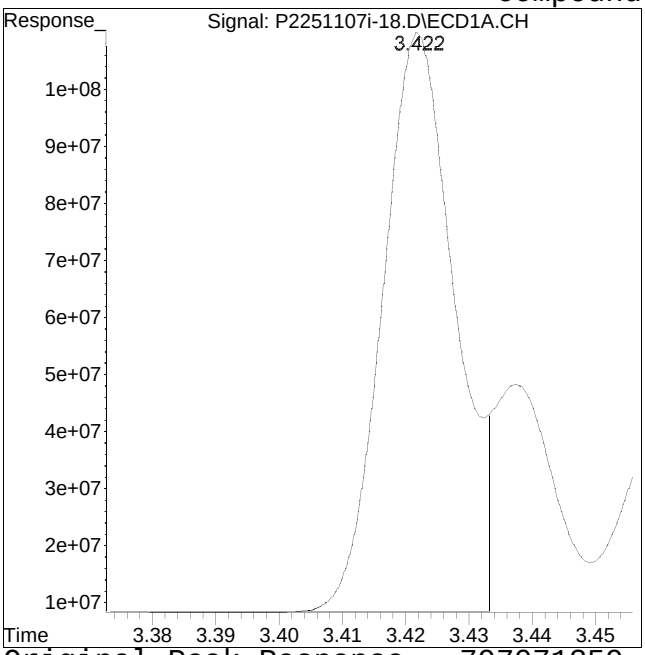


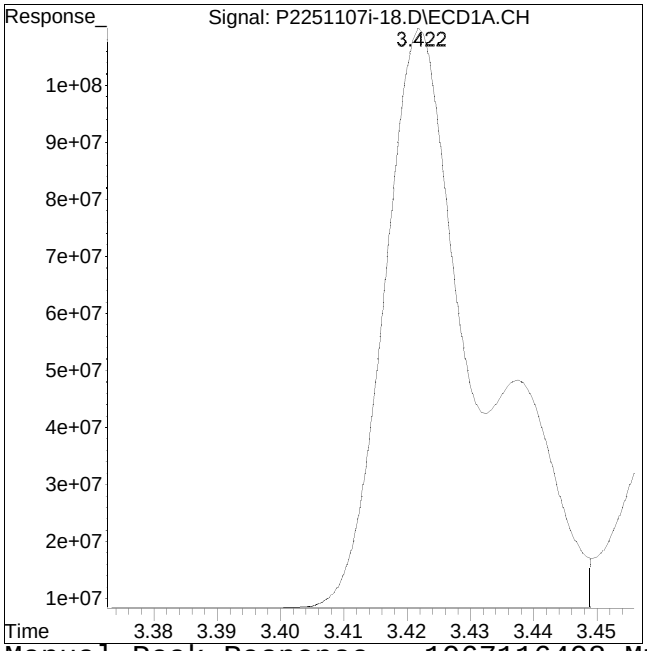
Original Peak Response = 815645369 Manual Peak Response = 811731578 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-18.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 12:58 Instrument : Pest 2
Sample : il111660,42e,,pp 12222 L10Quant Date : 11/12/2025 3:51 pm

Compound #13: 1260-5





Original Peak Response = 797071359 Manual Peak Response = 1067116408 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 07 Nov 2025 13:07
Operator : pest2:sdc
Sample   : cicv4268,42e,,pp 12229 L250ICVRVT
Misc   : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:10:00 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:09:24 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
23	i	4268_1br2nb	^	1.000	1.000	0.0	95	0.00
24	l6	1242-1		0.016	0.017	-6.3	102	0.00
25	l6	1242-2		0.036	0.039	-8.3	102	0.00
26	l6	1242-3		0.071	0.076	-7.0	102	0.00
27	l6	1242-4		0.030	0.032	-6.7	102	0.00
28	l6	1242-5		0.022	0.024	-9.1	105	0.00
29	l9	1268-1		0.151	0.166	-9.9	105	0.00
30	l9	1268-2		0.157	0.154	1.9	94	0.00
31	l9	1268-3		0.109	0.126	-15.6	110	0.00
32	l9	1268-4		0.043	0.053	-23.3#	117	0.00
33	l9	1268-5		0.301	0.393	-30.6#	124	0.00

Signal #2

23	i	4268_1br2nb	^	1.000	1.000	0.0	100	0.00
24	l6	1242-1		0.014	0.014	0.0	105	0.00
25	l6	1242-2		0.032	0.034	-6.3	108	0.00
26	l6	1242-3		0.060	0.065	-8.3	107	0.00
27	l6	1242-4		0.024	0.026	-8.3	107	0.00
28	l6	1242-5		0.019	0.020	-5.3	108	0.00
29	l9	1268-1		0.098	0.107	-9.2	110	0.00
30	l9	1268-2		0.101	0.100	1.0	98	0.00
31	l9	1268-3		0.066	0.076	-15.2	114	0.00
32	l9	1268-4		0.030	0.035	-16.7	119	0.00
33	l9	1268-5		0.182	0.241	-32.4#	132	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1660_1br2nb	^	1.000	1.000	0.0	0	-1.17#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 07 Nov 2025 13:07
Operator : pest2:sdc
Sample   : cicv4268,42e,,pp 12229 L250ICVRVT
Misc   : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:10:00 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:09:24 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
2	s	2,4,5,6-Tetrachloro-m-xylen		1.250	0.000	100.0#	0#	-1.45#
3	s	Decachlorobiphenyl		1.040	0.000	100.0#	0#	-4.00#
4	l1	1016-1		0.021	0.000	100.0#	0#	-1.59#
5	l1	1016-2		0.052	0.000	100.0#	0#	-1.73#
6	l1	1016-3		0.098	0.000	100.0#	0#	-1.91#
7	l1	1016-4		0.041	0.000	100.0#	0#	-1.97#
8	l1	1016-5		0.043	0.000	100.0#	0#	-2.14#
9	l2	1260-1		0.061	0.000	100.0#	0#	-2.68#
10	l2	1260-2		0.095	0.000	100.0#	0#	-2.81#
11	l2	1260-3		0.048	0.000	100.0#	0#	-3.12#
12	l2	1260-4		0.103	0.000	100.0#	0#	-3.27#
13	l2	1260-5		0.080	0.000	100.0#	0#	-3.42#
14	i	2154_1br2nb	^	1.000	1.000	0.0	0	-1.17#
15	l3	1221-1		0.011	0.000	100.0#	0#	-1.51#
16	l3	1221-2		0.00657	0.00000	100.0#	0#	-1.57#
17	l3	1221-3		0.028	0.000	100.0#	0#	-1.59#
18	l4	1254-1		0.039	0.000	100.0#	0#	-2.30#
19	l4	1254-2		0.071	0.000	100.0#	0#	-2.41#
20	l4	1254-3		0.076	0.000	100.0#	0#	-2.59#
21	l4	1254-4		0.052	0.000	100.0#	0#	-2.72#
22	l4	1254-5		0.068	0.000	100.0#	0#	-2.94#
34	i	1248_1br2nb	^	1.000	1.000	0.0	0	-1.17#
35	l7	1248-1		0.051	0.000	100.0#	0#	-1.91#
36	l7	1248-2		0.057	0.000	100.0#	0#	-2.04#
37	l7	1248-3		0.050	0.000	100.0#	0#	-2.14#
38	l7	1248-4		0.043	0.000	100.0#	0#	-2.32#
39	l7	1248-5		0.047	0.000	100.0#	0#	-2.33#
40	i	3262_1br2nb	^	1.000	1.000	0.0	0	-1.17#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 07 Nov 2025 13:07
Operator : pest2:sdc
Sample   : cicv4268,42e,,pp 12229 L250ICVRVT
Misc   : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:10:00 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:09:24 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
41	l5	1232-1		0.024	0.000	100.0#	0#	-1.59#
42	l5	1232-2		0.021	0.000	100.0#	0#	-1.72#
43	l5	1232-3		0.039	0.000	100.0#	0#	-1.91#
44	l5	1232-4		0.016	0.000	100.0#	0#	-1.97#
45	l5	1232-5		0.012	0.000	100.0#	0#	-2.32#
46	l8	1262-1		0.058	0.000	100.0#	0#	-2.80#
47	l8	1262-2		0.074	0.000	100.0#	0#	-2.99#
48	l8	1262-3		0.065	0.000	100.0#	0#	-3.12#
49	l8	1262-4		0.130	0.000	100.0#	0#	-3.27#
50	l8	1262-5		0.042	0.000	100.0#	0#	-3.74#

Signal #2

1	i	1660_1br2nb	^	1.000	1.000	0.0	0	-1.23#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.122	0.000	100.0#	0#	-1.59#
3	s	Decachlorobiphenyl	*	25.000	0.000	100.0#	0	-4.48#
4	l1	1016-1		0.020	0.000	100.0#	0#	-1.78#
5	l1	1016-2		0.046	0.000	100.0#	0#	-1.95#
6	l1	1016-3		0.091	0.000	100.0#	0#	-2.15#
7	l1	1016-4		0.036	0.000	100.0#	0#	-2.21#
8	l1	1016-5		0.029	0.000	100.0#	0#	-2.42#
9	l2	1260-1		0.053	0.000	100.0#	0#	-3.02#
10	l2	1260-2		0.061	0.000	100.0#	0#	-3.12#
11	l2	1260-3		0.044	0.000	100.0#	0#	-3.51#
12	l2	1260-4		0.080	0.000	100.0#	0#	-3.64#
13	l2	1260-5		0.059	0.000	100.0#	0#	-3.83#
14	i	2154_1br2nb	^	1.000	1.000	0.0	0	-1.23#
15	l3	1221-1		0.010	0.000	100.0#	0#	-1.70#
16	l3	1221-2		0.00631	0.00000	100.0#	0#	-1.76#

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 07 Nov 2025 13:07
Operator : pest2:sdc
Sample   : cicv4268,42e,,pp 12229 L250ICVRVT
Misc   : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:10:00 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:09:24 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
17	l3	1221-3		0.024	0.000	100.0#	0#	-1.78#
18	l4	1254-1		0.018	0.000	100.0#	0#	-2.59#
19	l4	1254-2		0.044	0.000	100.0#	0#	-2.69#
20	l4	1254-3		0.064	0.000	100.0#	0#	-2.92#
21	l4	1254-4		0.041	0.000	100.0#	0#	-3.03#
22	l4	1254-5		0.048	0.000	100.0#	0#	-3.30#
34	i	1248_1br2nb	^	1.000	1.000	0.0	0	-1.23#
35	l7	1248-1		0.045	0.000	100.0#	0#	-2.15#
36	l7	1248-2		0.024	0.000	100.0#	0#	-2.29#
37	l7	1248-3		0.031	0.000	100.0#	0#	-2.41#
38	l7	1248-4		0.036	0.000	100.0#	0#	-2.59#
39	l7	1248-5		0.043	0.000	100.0#	0#	-2.61#
40	i	3262_1br2nb	^	1.000	1.000	0.0	0	-1.23#
41	l5	1232-1		0.021	0.000	100.0#	0#	-1.78#
42	l5	1232-2		0.017	0.000	100.0#	0#	-1.95#
43	l5	1232-3		0.034	0.000	100.0#	0#	-2.15#
44	l5	1232-4		0.013	0.000	100.0#	0#	-2.21#
45	l5	1232-5		0.010	0.000	100.0#	0#	-2.59#
46	l8	1262-1		0.036	0.000	100.0#	0#	-3.12#
47	l8	1262-2		0.050	0.000	100.0#	0#	-3.35#
48	l8	1262-3		0.046	0.000	100.0#	0#	-3.50#
49	l8	1262-4		0.084	0.000	100.0#	0#	-3.63#
50	l8	1262-5		0.030	0.000	100.0#	0#	-4.15#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 13:07
Operator : pest2:sdc
Sample : cicv4268,42e,,pp 12229 L250ICVRVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:10:00 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:09:24 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	1.174	1.228	333.4E6	578.7E6	25.000M3	25.000M3
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 13:07
Operator : pest2:sdc
Sample : cicv4268,42e,,pp 12229 L250ICVRVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:10:00 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:09:24 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	1.590	1.785	56154952	83580149	267.130	264.635
25) l6	1242-2	1.728	1.953	128.8E6	199.3E6	267.155M3	270.546
26) l6	1242-3	1.916	2.149	253.3E6	374.2E6	268.703	268.791
27) l6	1242-4	1.970	2.209	107.0E6	148.2E6	267.840M1	268.933
28) l6	1242-5	2.320	2.590	79606151	116.3E6	274.952	271.384
Sum	1242-1			625.0E6	921.6E6	1345.781	1344.290
Average	1242-1					269.156	268.858
29) l9	1268-1	3.439	3.830	552.6E6	621.6E6	275.264M3	275.221
30) l9	1268-2	3.461	3.857	514.6E6	576.0E6	246.217	245.953
31) l9	1268-3	3.562	3.996	418.8E6	439.0E6	288.309	285.844M3
32) l9	1268-4	3.748	4.149	177.0E6	205.0E6	306.042	298.980
33) l9	1268-5	3.903	4.333	1309.9E6	1396.6E6	326.136	331.928
Sum	1268-1			2972.8E6	3238.2E6	NoCal	NoCal D
Average	1268-1					288.394	287.585
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 13:07
Operator : pest2:sdc
Sample : cicv4268,42e,,pp 12229 L250ICVRVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:10:00 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:09:24 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

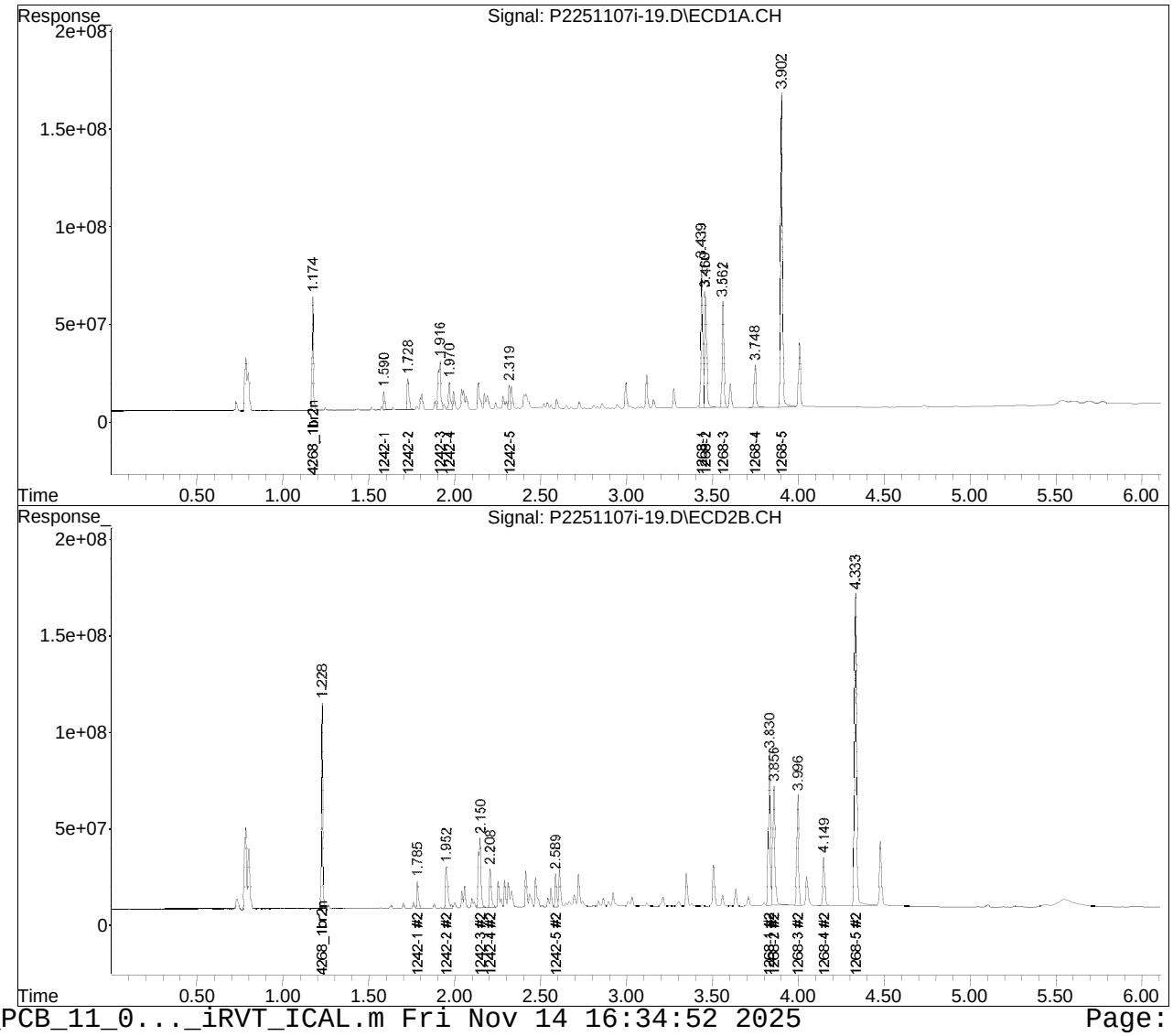
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 13:07
Operator : pest2:sdc
Sample : cicv4268,42e,,pp 12229 L250ICVRVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:10:00 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:09:24 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

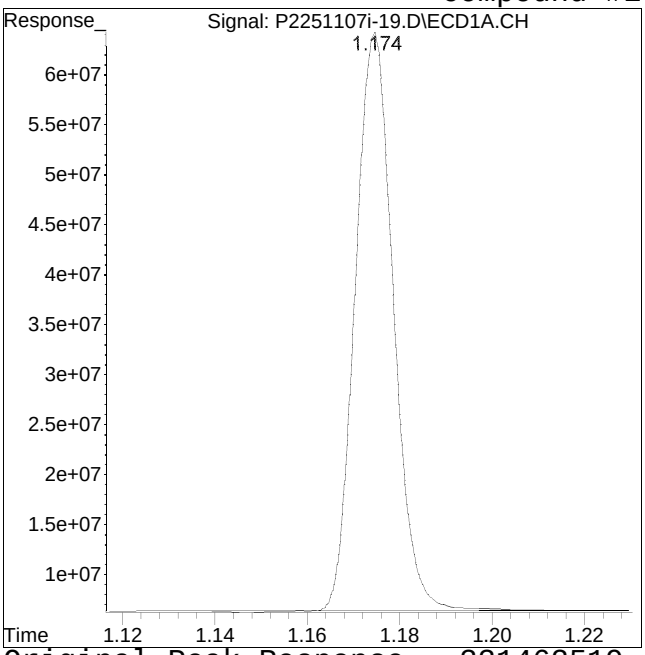
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

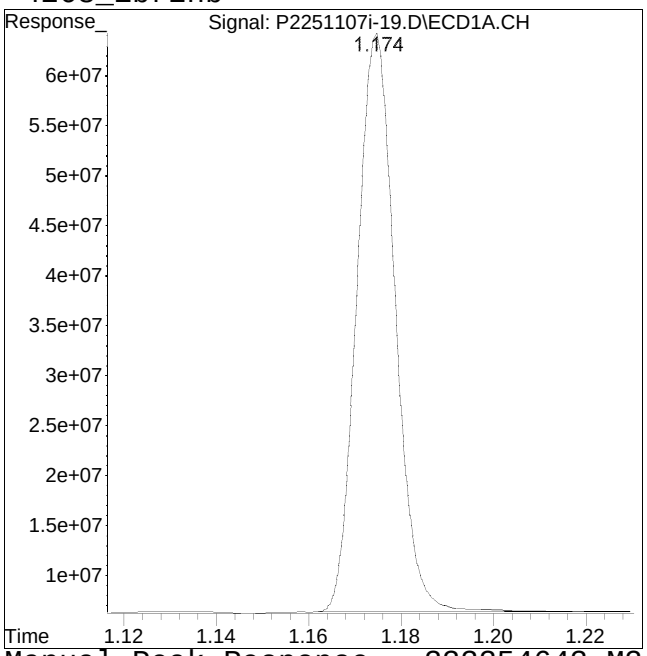


Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-19.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 13:07 Instrument : Pest 2
Sample : cicv4268,42e,,pp 12229 L25Quant Date : 11/13/2025 5:10 pm

Compound #23: 4268_1br2nb



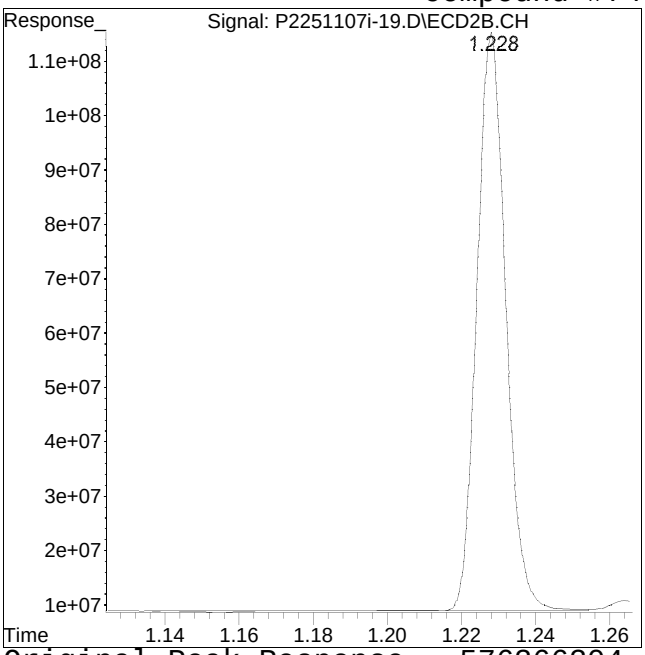


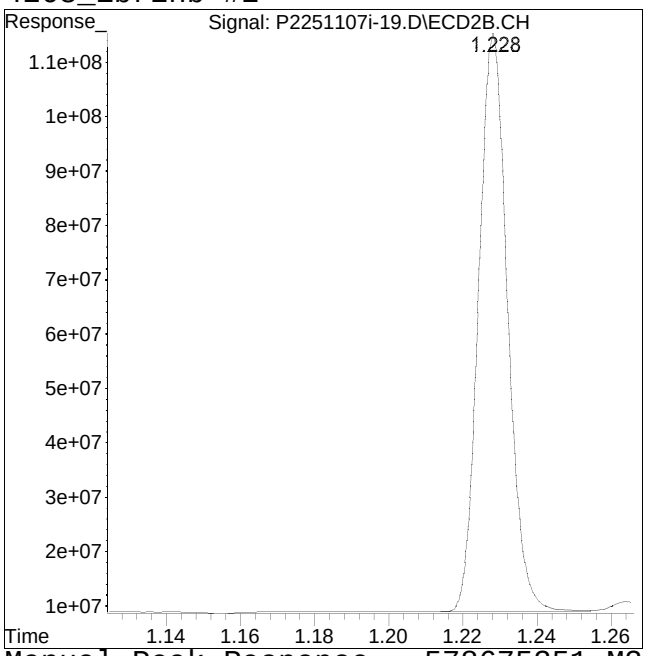
Original Peak Response = 331462519 Manual Peak Response = 333354643 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-19.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 13:07 Instrument : Pest 2
Sample : cicv4268,42e,,pp 12229 L25Quant Date : 11/13/2025 5:10 pm

Compound #74: 4268_1br2nb #2



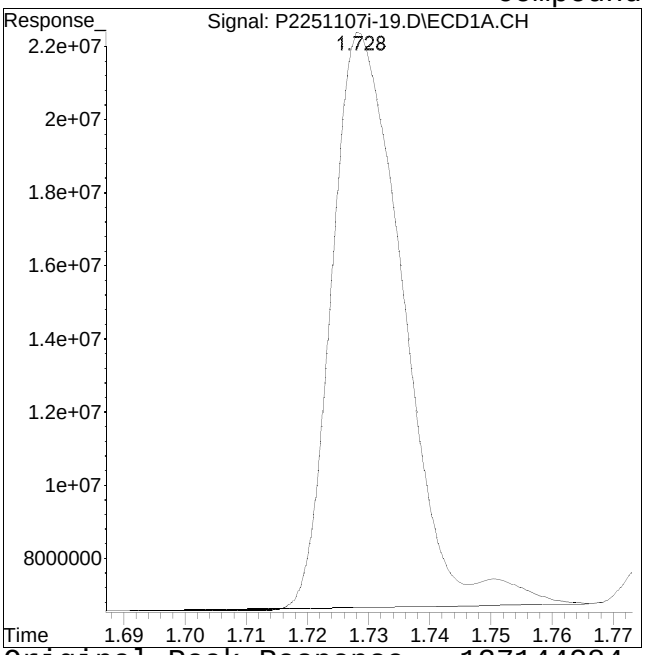


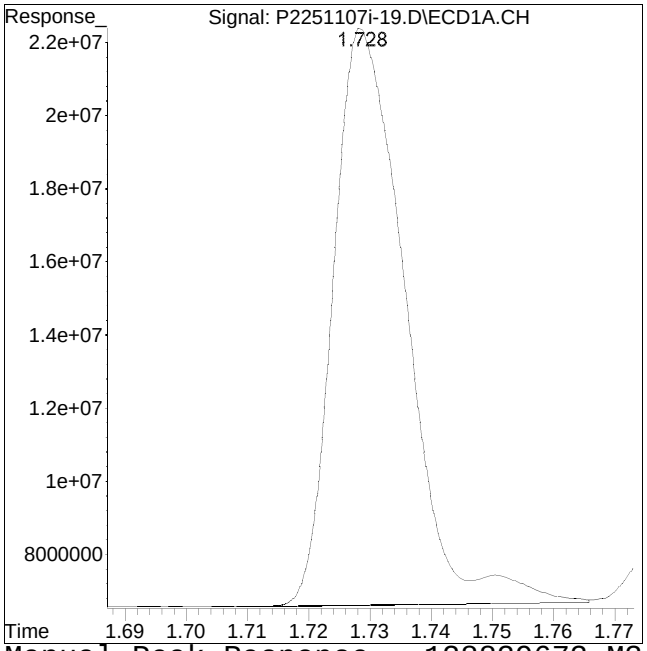
Original Peak Response = 576366304 Manual Peak Response = 578675351 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-19.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 13:07 Instrument : Pest 2
Sample : cicv4268,42e,,pp 12229 L25Quant Date : 11/13/2025 5:10 pm

Compound #25: 1242-2



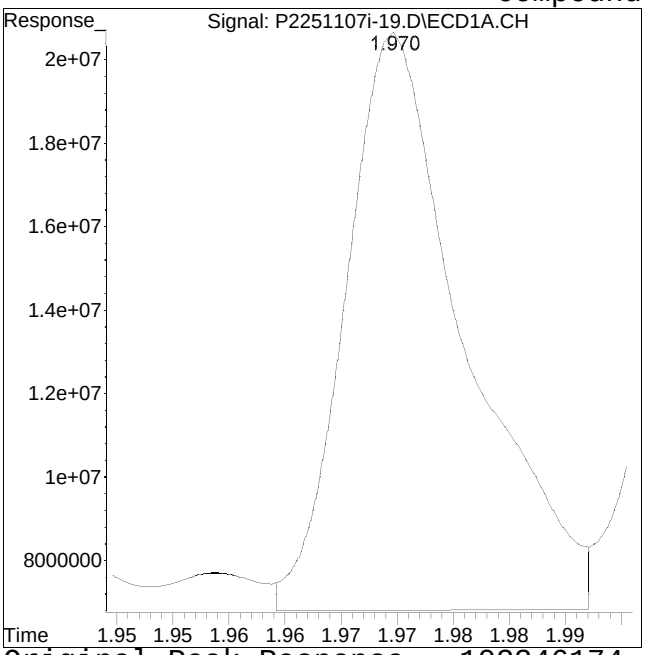


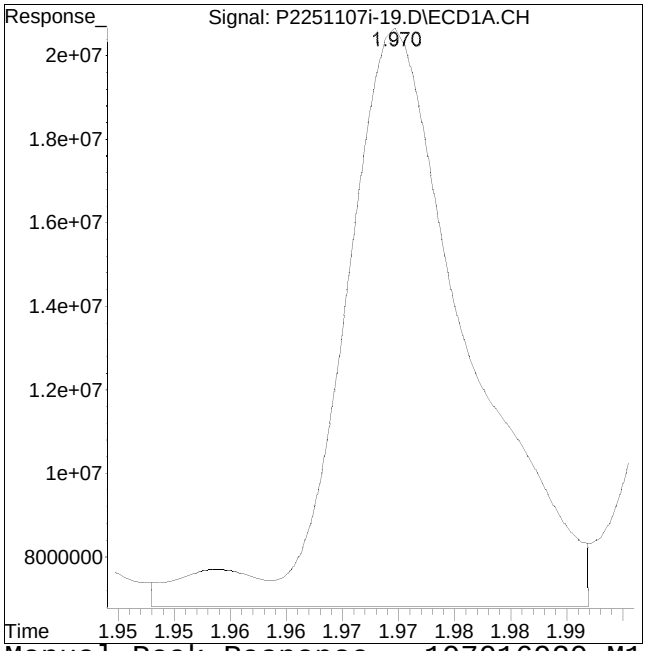
Original Peak Response = 127144284 Manual Peak Response = 128839673 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-19.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 13:07 Instrument : Pest 2
Sample : cicv4268,42e,,pp 12229 L25Quant Date : 11/13/2025 5:10 pm

Compound #27: 1242-4



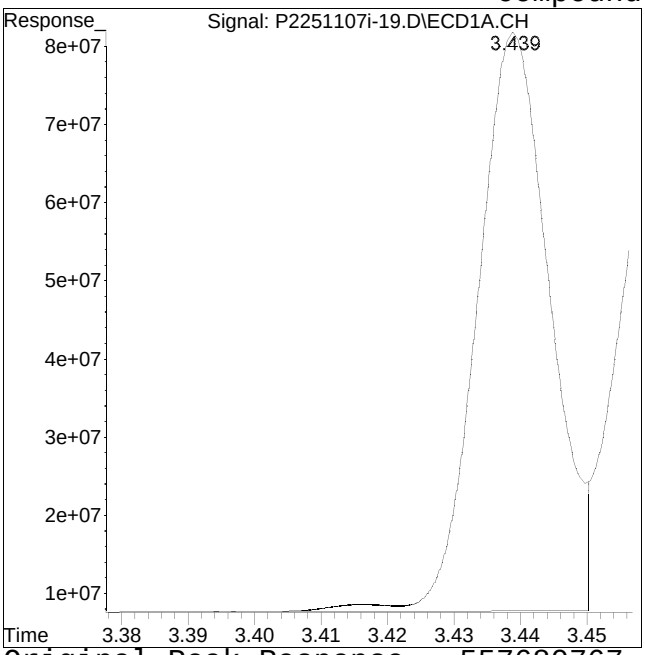


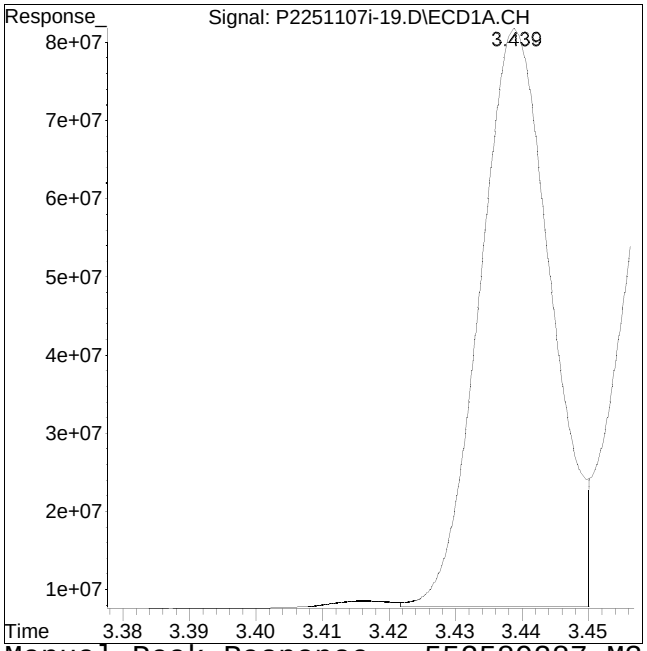
Original Peak Response = 102346174 Manual Peak Response = 107016920 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-19.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 13:07 Instrument : Pest 2
Sample : cicv4268,42e,,pp 12229 L25Quant Date : 11/13/2025 5:10 pm

Compound #29: 1268-1



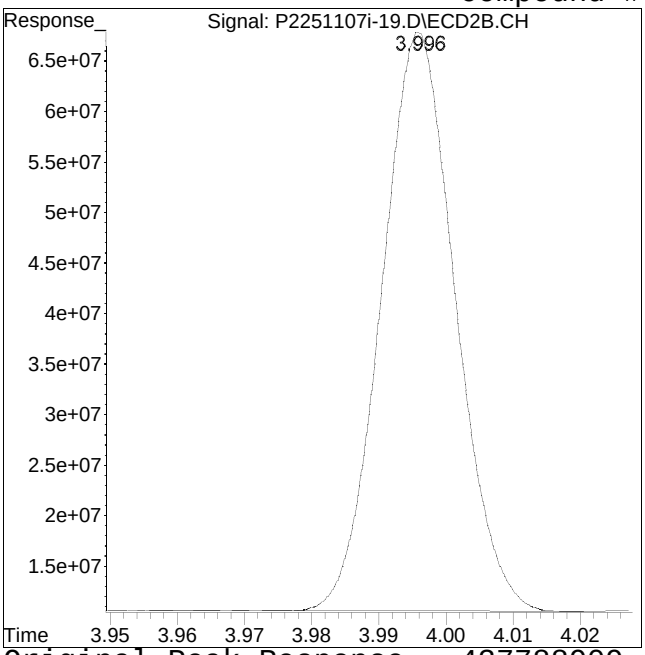


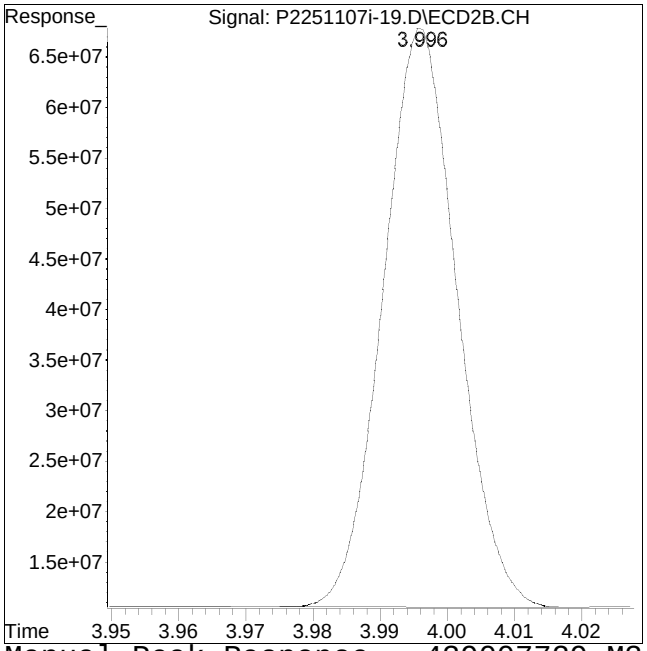
Original Peak Response = 557680767 Manual Peak Response = 552589287 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-19.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 13:07 Instrument : Pest 2
Sample : cicv4268,42e,,pp 12229 L25Quant Date : 11/13/2025 5:10 pm

Compound #82: 1268-3 #2





Original Peak Response = 437788909 Manual Peak Response = 439007729 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 07 Nov 2025 13:15
Operator : pest2:sdc
Sample   : cicv3262,42e,,pp 12230 L250ICVRVT
Misc   : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:19:20 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:18:50 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
40	i	3262_1br2nb	^	1.000	1.000	0.0	98	0.00
41	l5	1232-1		0.024	0.022	8.3	91	0.00
42	l5	1232-2		0.021	0.022	-4.8	104	0.00
43	l5	1232-3		0.039	0.042	-7.7	104	0.00
44	l5	1232-4		0.016	0.017	-6.3	105	0.00
45	l5	1232-5		0.012	0.011	8.3	95	0.00
46	l8	1262-1		0.058	0.061	-5.2	104	0.00
47	l8	1262-2		0.074	0.079	-6.8	104	0.00
48	l8	1262-3		0.065	0.069	-6.2	103	0.00
49	l8	1262-4		0.130	0.146	-12.3	110	0.00
50	l8	1262-5		0.042	0.042	0.0	98	0.00

Signal #2

40	i	3262_1br2nb	^	1.000	1.000	0.0	103	0.00
41	l5	1232-1		0.021	0.019	9.5	96	0.00
42	l5	1232-2		0.017	0.019	-11.8	114	0.00
43	l5	1232-3		0.034	0.036	-5.9	110	0.00
44	l5	1232-4		0.013	0.014	-7.7	110	0.00
45	l5	1232-5		0.010	0.010	0.0	102	0.00
46	l8	1262-1		0.036	0.042	-16.7	120	0.00
47	l8	1262-2		0.050	0.059	-18.0	122	0.00
48	l8	1262-3		0.046	0.054	-17.4	120	0.00
49	l8	1262-4		0.084	0.102	-21.4#	125	0.00
50	l8	1262-5		0.030	0.032	-6.7	108	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1660_1br2nb	^	1.000	1.000	0.0	0	-1.17#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 07 Nov 2025 13:15
Operator : pest2:sdc
Sample   : cicv3262,42e,,pp 12230 L250ICVRVT
Misc   : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:19:20 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:18:50 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
2	s	2,4,5,6-Tetrachloro-m-xylen		1.250	0.000	100.0#	0#	-1.45#
3	s	Decachlorobiphenyl		1.040	0.000	100.0#	0#	-4.00#
4	l1	1016-1		0.021	0.000	100.0#	0#	-1.59#
5	l1	1016-2		0.052	0.000	100.0#	0#	-1.73#
6	l1	1016-3		0.098	0.000	100.0#	0#	-1.91#
7	l1	1016-4		0.041	0.000	100.0#	0#	-1.97#
8	l1	1016-5		0.043	0.000	100.0#	0#	-2.14#
9	l2	1260-1		0.061	0.000	100.0#	0#	-2.68#
10	l2	1260-2		0.095	0.000	100.0#	0#	-2.81#
11	l2	1260-3		0.048	0.000	100.0#	0#	-3.12#
12	l2	1260-4		0.103	0.000	100.0#	0#	-3.27#
13	l2	1260-5		0.080	0.000	100.0#	0#	-3.42#
14	i	2154_1br2nb	^	1.000	1.000	0.0	0	-1.17#
15	l3	1221-1		0.011	0.000	100.0#	0#	-1.51#
16	l3	1221-2		0.00657	0.00000	100.0#	0#	-1.57#
17	l3	1221-3		0.028	0.000	100.0#	0#	-1.59#
18	l4	1254-1		0.039	0.000	100.0#	0#	-2.30#
19	l4	1254-2		0.071	0.000	100.0#	0#	-2.41#
20	l4	1254-3		0.076	0.000	100.0#	0#	-2.59#
21	l4	1254-4		0.052	0.000	100.0#	0#	-2.72#
22	l4	1254-5		0.068	0.000	100.0#	0#	-2.94#
23	i	4268_1br2nb	^	1.000	1.000	0.0	0	-1.17#
24	l6	1242-1		0.016	0.000	100.0#	0#	-1.59#
25	l6	1242-2		0.036	0.000	100.0#	0#	-1.73#
26	l6	1242-3		0.071	0.000	100.0#	0#	-1.91#
27	l6	1242-4		0.030	0.000	100.0#	0#	-1.97#
28	l6	1242-5		0.022	0.000	100.0#	0#	-2.32#
29	l9	1268-1		0.151	0.000	100.0#	0#	-3.43#
30	l9	1268-2		0.157	0.000	100.0#	0#	-3.46#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 07 Nov 2025 13:15
Operator : pest2:sdc
Sample   : cicv3262,42e,,pp 12230 L250ICVRVT
Misc   : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:19:20 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:18:50 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
31	l9	1268-3		0.109	0.000	100.0#	0#	-3.56#
32	l9	1268-4		0.043	0.000	100.0#	0#	-3.74#
33	l9	1268-5		0.301	0.000	100.0#	0#	-3.90#
34	i	1248_1br2nb	^	1.000	1.000	0.0	0	-1.17#
35	l7	1248-1		0.051	0.000	100.0#	0#	-1.91#
36	l7	1248-2		0.057	0.000	100.0#	0#	-2.04#
37	l7	1248-3		0.050	0.000	100.0#	0#	-2.14#
38	l7	1248-4		0.043	0.000	100.0#	0#	-2.32#
39	l7	1248-5		0.047	0.000	100.0#	0#	-2.33#

Signal #2

1	i	1660_1br2nb	^	1.000	1.000	0.0	0	-1.23#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.122	0.000	100.0#	0#	-1.59#
3	s	Decachlorobiphenyl	*	25.000	0.000	100.0#	0	-4.48#
4	l1	1016-1		0.020	0.000	100.0#	0#	-1.78#
5	l1	1016-2		0.046	0.000	100.0#	0#	-1.95#
6	l1	1016-3		0.091	0.000	100.0#	0#	-2.15#
7	l1	1016-4		0.036	0.000	100.0#	0#	-2.21#
8	l1	1016-5		0.029	0.000	100.0#	0#	-2.42#
9	l2	1260-1		0.053	0.000	100.0#	0#	-3.02#
10	l2	1260-2		0.061	0.000	100.0#	0#	-3.12#
11	l2	1260-3		0.044	0.000	100.0#	0#	-3.51#
12	l2	1260-4		0.080	0.000	100.0#	0#	-3.64#
13	l2	1260-5		0.059	0.000	100.0#	0#	-3.83#
14	i	2154_1br2nb	^	1.000	1.000	0.0	0	-1.23#
15	l3	1221-1		0.010	0.000	100.0#	0#	-1.70#
16	l3	1221-2		0.00631	0.00000	100.0#	0#	-1.76#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 07 Nov 2025 13:15
Operator : pest2:sdc
Sample   : cicv3262,42e,,pp 12230 L250ICVRVT
Misc   : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:19:20 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:18:50 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
17	l3	1221-3		0.024	0.000	100.0#	0#	-1.78#
18	l4	1254-1		0.018	0.000	100.0#	0#	-2.59#
19	l4	1254-2		0.044	0.000	100.0#	0#	-2.69#
20	l4	1254-3		0.064	0.000	100.0#	0#	-2.92#
21	l4	1254-4		0.041	0.000	100.0#	0#	-3.03#
22	l4	1254-5		0.048	0.000	100.0#	0#	-3.30#
23	i	4268_1br2nb	^	1.000	1.000	0.0	0	-1.22#
24	l6	1242-1		0.014	0.000	100.0#	0#	-1.78#
25	l6	1242-2		0.032	0.000	100.0#	0#	-1.95#
26	l6	1242-3		0.060	0.000	100.0#	0#	-2.15#
27	l6	1242-4		0.024	0.000	100.0#	0#	-2.21#
28	l6	1242-5		0.019	0.000	100.0#	0#	-2.59#
29	l9	1268-1		0.098	0.000	100.0#	0#	-3.83#
30	l9	1268-2		0.101	0.000	100.0#	0#	-3.85#
31	l9	1268-3		0.066	0.000	100.0#	0#	-3.99#
32	l9	1268-4		0.030	0.000	100.0#	0#	-4.14#
33	l9	1268-5		0.182	0.000	100.0#	0#	-4.33#
34	i	1248_1br2nb	^	1.000	1.000	0.0	0	-1.23#
35	l7	1248-1		0.045	0.000	100.0#	0#	-2.15#
36	l7	1248-2		0.024	0.000	100.0#	0#	-2.29#
37	l7	1248-3		0.031	0.000	100.0#	0#	-2.41#
38	l7	1248-4		0.036	0.000	100.0#	0#	-2.59#
39	l7	1248-5		0.043	0.000	100.0#	0#	-2.61#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 13:15
Operator : pest2:sdc
Sample : cicv3262,42e,,pp 12230 L250ICVRVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:19:20 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:18:50 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	1.174	1.228	350.4E6	619.2E6	25.000M3	25.000M3
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 13:15
Operator : pest2:sdc
Sample : cicv3262,42e,,pp 12230 L250ICVRVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:19:20 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:18:50 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 13:15
Operator : pest2:sdc
Sample : cicv3262,42e,,pp 12230 L250ICVRVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:19:20 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:18:50 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	1.590	1.785	78692141	118.4E6	234.187	232.572
42) l5	1232-2	1.728	1.953	78608352	118.9E6	267.251M1	275.560
43) l5	1232-3	1.916	2.149	146.5E6	223.0E6	266.900	266.381
44) l5	1232-4	1.969	2.209	60712889	88900523	268.032M1	266.342
45) l5	1232-5	2.319	2.589	39888169	63496794	244.426	246.984M3
Sum	1232-1			404.4E6	612.7E6	1280.796	1287.838
Average	1232-1					256.159	257.568
46) l8	1262-1	2.806	3.119	215.1E6	261.8E6	266.551	289.891
47) l8	1262-2	2.997	3.350	276.2E6	365.0E6	266.588	293.982
48) l8	1262-3	3.120	3.507	240.1E6	331.5E6	263.619	291.007
49) l8	1262-4	3.275	3.636	512.3E6	631.0E6	280.896	302.502
50) l8	1262-5	3.748	4.149	147.6E6	196.8E6	250.345	261.433
Sum	1262-1			1391.4E6	1786.2E6	1327.999	1438.815
Average	1262-1					265.600	287.763

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			1391.4E6	1786.2E6	1327.999	1438.815
Average	1262-1					265.600	287.763

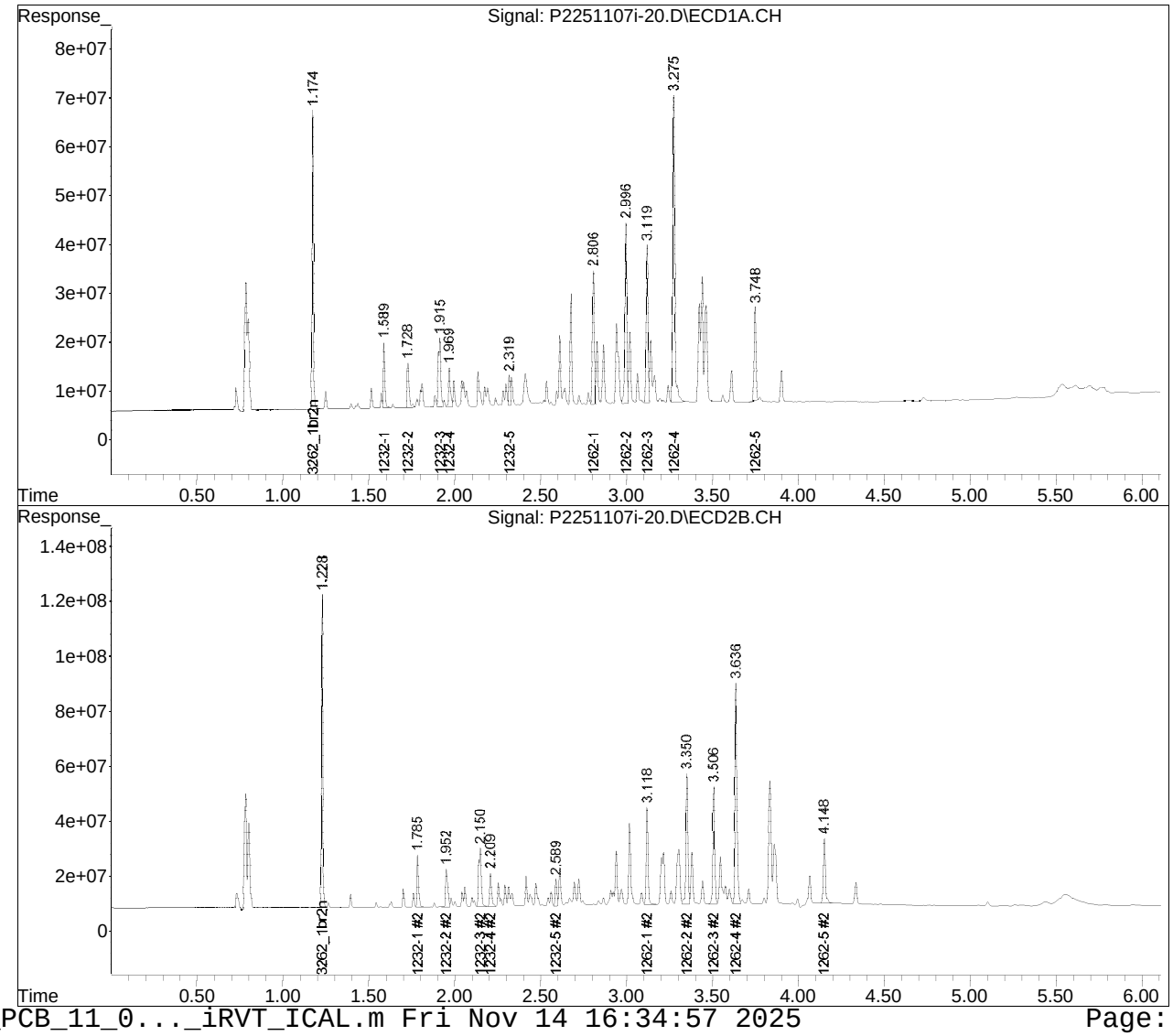
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 13:15
Operator : pest2:sdc
Sample : cicv3262,42e,,pp 12230 L250ICVRVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:19:20 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:18:50 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

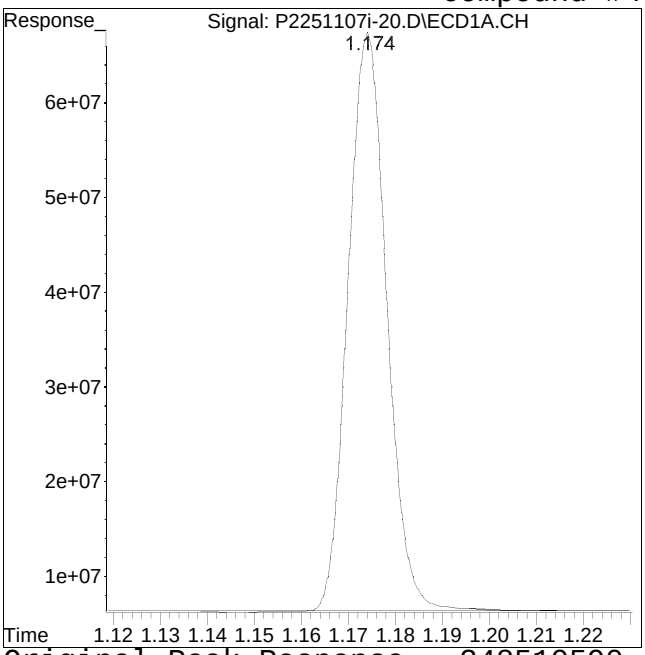
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

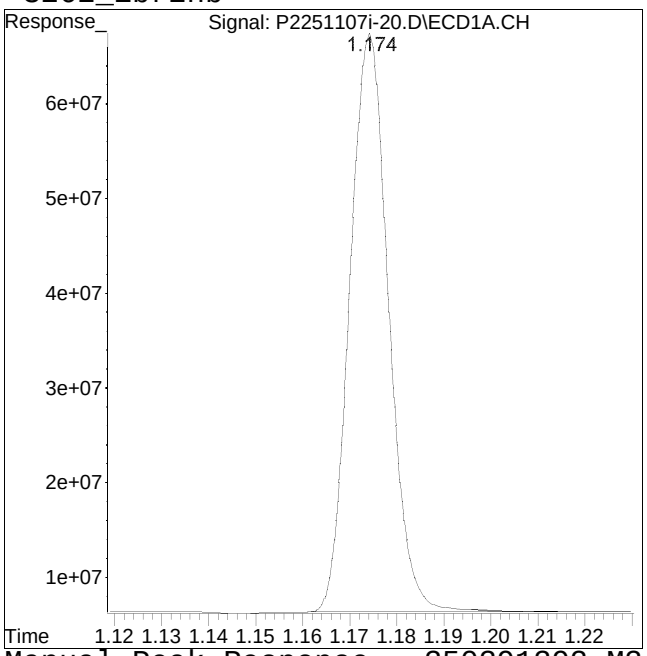


Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-20.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 13:15 Instrument : Pest 2
Sample : cicv3262,42e,,pp 12230 L25Quant Date : 11/13/2025 5:19 pm

Compound #40: 3262_1br2nb



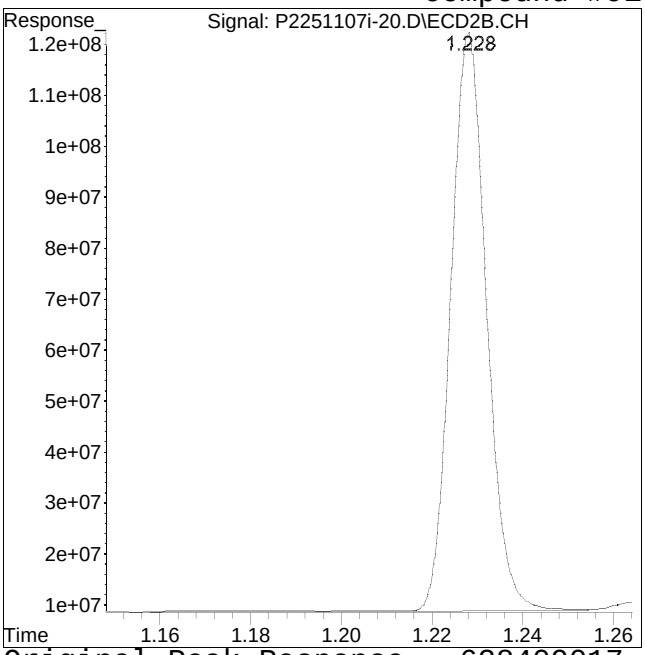


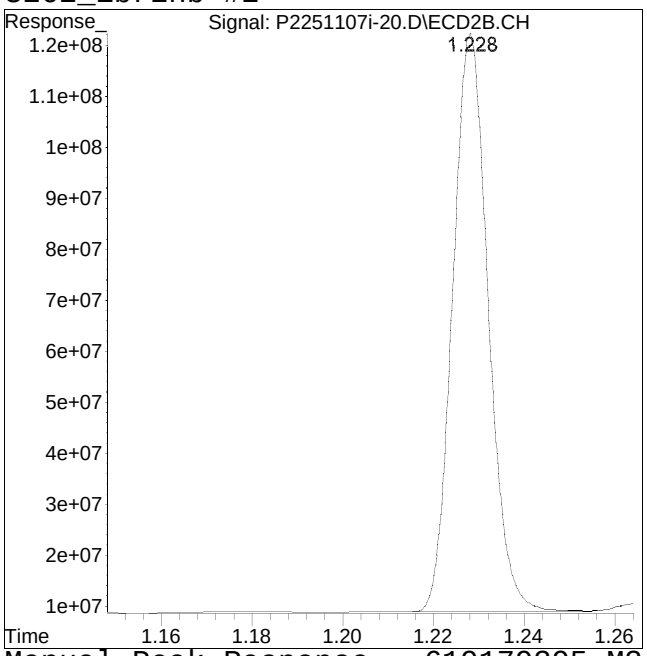
Original Peak Response = 348510590 Manual Peak Response = 350391392 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-20.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 13:15 Instrument : Pest 2
Sample : cicv3262,42e,,pp 12230 L25Quant Date : 11/13/2025 5:19 pm

Compound #91: 3262_1br2nb #2



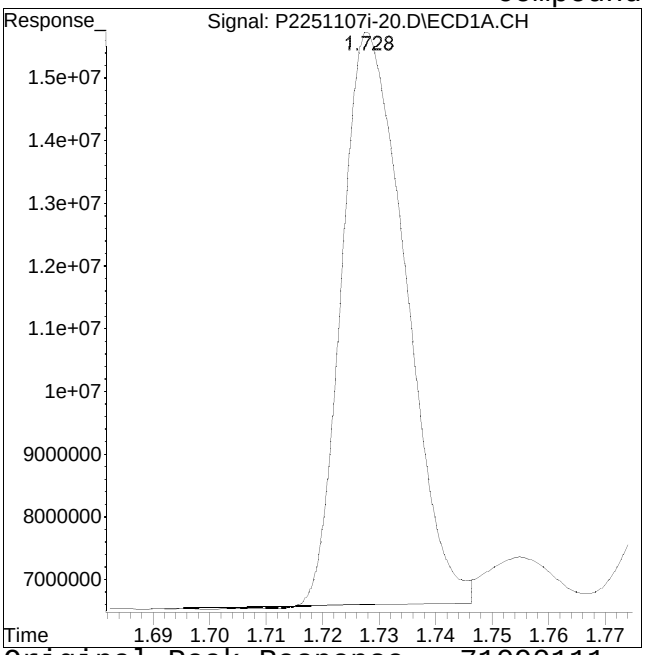


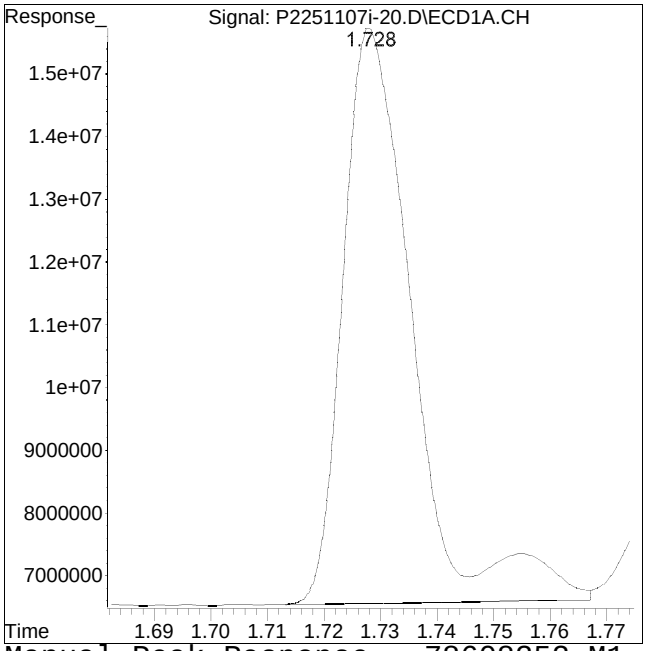
Original Peak Response = 628409017 Manual Peak Response = 619179395 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-20.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 13:15 Instrument : Pest 2
Sample : cicv3262,42e,,pp 12230 L25Quant Date : 11/13/2025 5:19 pm

Compound #42: 1232-2



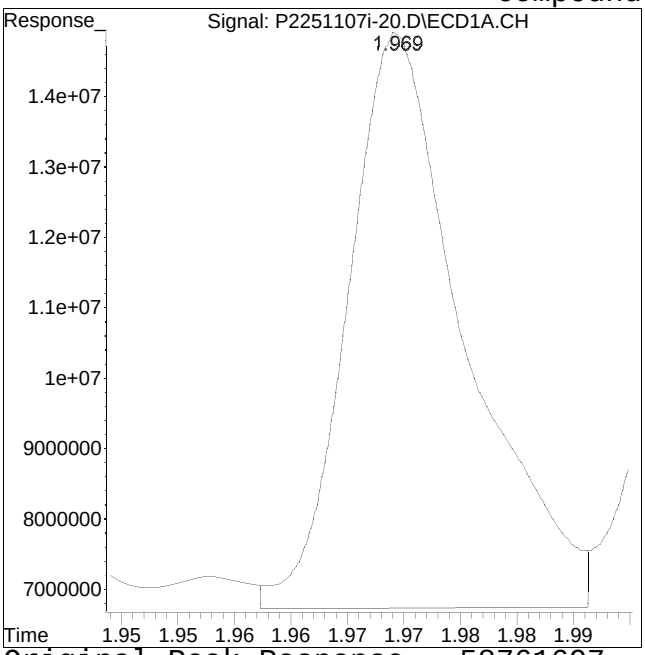


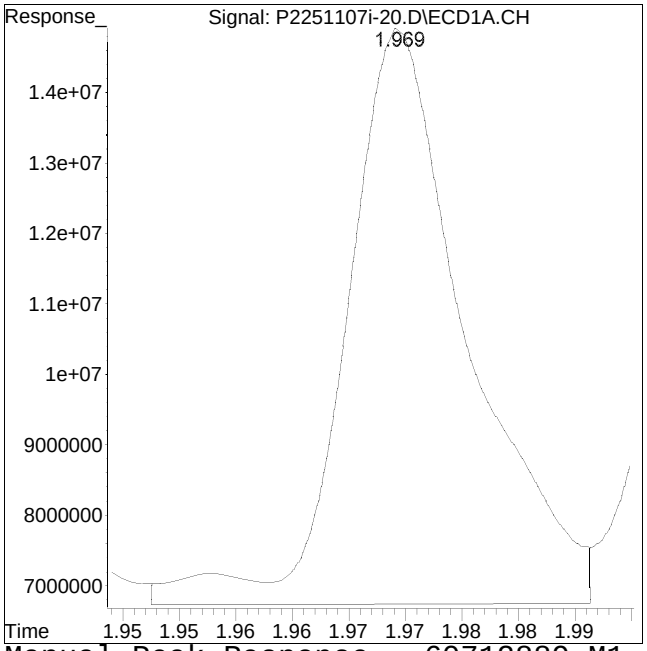
Original Peak Response = 71090111 Manual Peak Response = 78608352 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-20.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 13:15 Instrument : Pest 2
Sample : cicv3262,42e,,pp 12230 L25Quant Date : 11/13/2025 5:19 pm

Compound #44: 1232-4



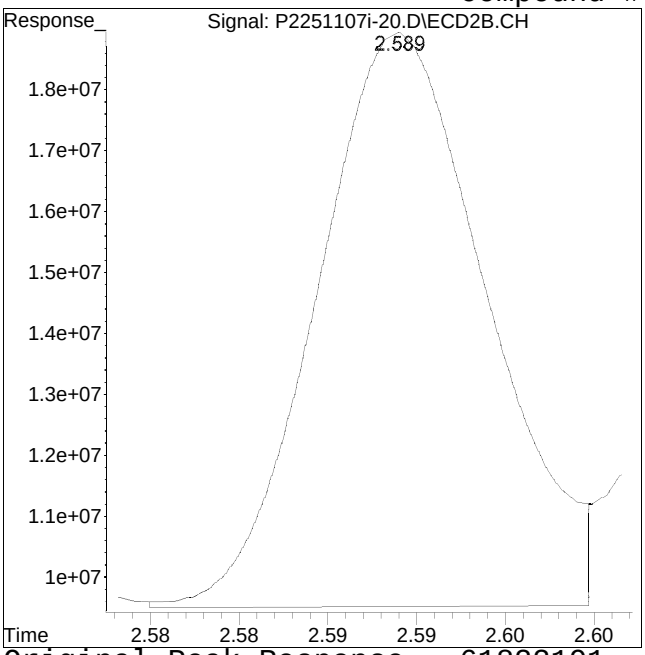


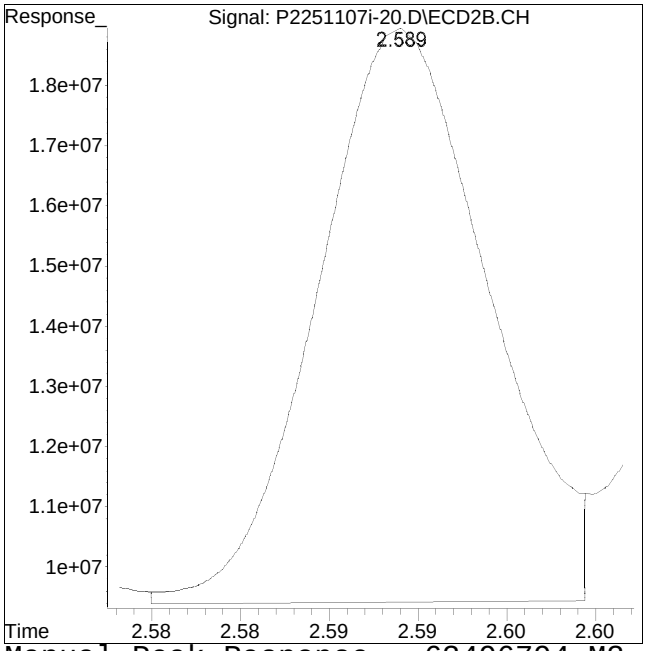
Original Peak Response = 58761697 Manual Peak Response = 60712889 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-20.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 13:15 Instrument : Pest 2
Sample : cicv3262,42e,,pp 12230 L25Quant Date : 11/13/2025 5:19 pm

Compound #96: 1232-5 #2





Original Peak Response = 61822191 Manual Peak Response = 63496794 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-21.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 07 Nov 2025 13:24
Operator : pest2:sdc
Sample   : cicv1248,42e,,pp 12228 L250ICVRVT
Misc   : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:25:19 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:24:45 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
34	i	1248_1br2nb	^	1.000	1.000	0.0	98	0.00
35	l7	1248-1		0.051	0.048	5.9	91	0.00
36	l7	1248-2		0.057	0.061	-7.0	106	0.00
37	l7	1248-3		0.050	0.055	-10.0	108	0.00
38	l7	1248-4		0.043	0.047	-9.3	107	0.00
39	l7	1248-5		0.047	0.045	4.3	95	0.00

Signal #2

34	i	1248_1br2nb	^	1.000	1.000	0.0	103	0.00
35	l7	1248-1		0.045	0.041	8.9	94	0.00
36	l7	1248-2		0.024	0.027	-12.5	113	0.00
37	l7	1248-3		0.031	0.034	-9.7	111	0.00
38	l7	1248-4		0.036	0.037	-2.8	107	0.00
39	l7	1248-5		0.043	0.043	0.0	103	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1660_1br2nb	^	1.000	1.000	0.0	0	-1.17#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.250	0.000	100.0#	0#	-1.45#
3	s	Decachlorobiphenyl		1.040	0.000	100.0#	0#	-4.00#
4	l1	1016-1		0.021	0.000	100.0#	0#	-1.59#
5	l1	1016-2		0.052	0.000	100.0#	0#	-1.73#
6	l1	1016-3		0.098	0.000	100.0#	0#	-1.91#
7	l1	1016-4		0.041	0.000	100.0#	0#	-1.97#
8	l1	1016-5		0.043	0.000	100.0#	0#	-2.14#
9	l2	1260-1		0.061	0.000	100.0#	0#	-2.68#
10	l2	1260-2		0.095	0.000	100.0#	0#	-2.81#
11	l2	1260-3		0.048	0.000	100.0#	0#	-3.12#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-21.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 07 Nov 2025 13:24
Operator : pest2:sdc
Sample   : cicv1248,42e,,pp 12228 L250ICVRVT
Misc   : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:25:19 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:24:45 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
12	l2	1260-4		0.103	0.000	100.0#	0#	-3.27#
13	l2	1260-5		0.080	0.000	100.0#	0#	-3.42#
14	i	2154_1br2nb	^	1.000	1.000	0.0	0	-1.17#
15	l3	1221-1		0.011	0.000	100.0#	0#	-1.51#
16	l3	1221-2		0.00657	0.00000	100.0#	0#	-1.57#
17	l3	1221-3		0.028	0.000	100.0#	0#	-1.59#
18	l4	1254-1		0.039	0.000	100.0#	0#	-2.30#
19	l4	1254-2		0.071	0.000	100.0#	0#	-2.41#
20	l4	1254-3		0.076	0.000	100.0#	0#	-2.59#
21	l4	1254-4		0.052	0.000	100.0#	0#	-2.72#
22	l4	1254-5		0.068	0.000	100.0#	0#	-2.94#
23	i	4268_1br2nb	^	1.000	1.000	0.0	0	-1.17#
24	l6	1242-1		0.016	0.000	100.0#	0#	-1.59#
25	l6	1242-2		0.036	0.000	100.0#	0#	-1.73#
26	l6	1242-3		0.071	0.000	100.0#	0#	-1.91#
27	l6	1242-4		0.030	0.000	100.0#	0#	-1.97#
28	l6	1242-5		0.022	0.000	100.0#	0#	-2.32#
29	l9	1268-1		0.151	0.000	100.0#	0#	-3.43#
30	l9	1268-2		0.157	0.000	100.0#	0#	-3.46#
31	l9	1268-3		0.109	0.000	100.0#	0#	-3.56#
32	l9	1268-4		0.043	0.000	100.0#	0#	-3.74#
33	l9	1268-5		0.301	0.000	100.0#	0#	-3.90#
40	i	3262_1br2nb	^	1.000	1.000	0.0	0	-1.17#
41	l5	1232-1		0.024	0.000	100.0#	0#	-1.59#
42	l5	1232-2		0.021	0.000	100.0#	0#	-1.72#
43	l5	1232-3		0.039	0.000	100.0#	0#	-1.91#
44	l5	1232-4		0.016	0.000	100.0#	0#	-1.97#
45	l5	1232-5		0.012	0.000	100.0#	0#	-2.32#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-21.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 07 Nov 2025 13:24
Operator : pest2:sdc
Sample   : cicv1248,42e,,pp 12228 L250ICVRVT
Misc   : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:25:19 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:24:45 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
46	l8	1262-1		0.058	0.000	100.0#	0#	-2.80#
47	l8	1262-2		0.074	0.000	100.0#	0#	-2.99#
48	l8	1262-3		0.065	0.000	100.0#	0#	-3.12#
49	l8	1262-4		0.130	0.000	100.0#	0#	-3.27#
50	l8	1262-5		0.042	0.000	100.0#	0#	-3.74#

Signal #2

1	i	1660_1br2nb	^	1.000	1.000	0.0	0	-1.23#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.122	0.000	100.0#	0#	-1.59#
3	s	Decachlorobiphenyl	*	25.000	0.000	100.0#	0	-4.48#
4	l1	1016-1		0.020	0.000	100.0#	0#	-1.78#
5	l1	1016-2		0.046	0.000	100.0#	0#	-1.95#
6	l1	1016-3		0.091	0.000	100.0#	0#	-2.15#
7	l1	1016-4		0.036	0.000	100.0#	0#	-2.21#
8	l1	1016-5		0.029	0.000	100.0#	0#	-2.42#
9	l2	1260-1		0.053	0.000	100.0#	0#	-3.02#
10	l2	1260-2		0.061	0.000	100.0#	0#	-3.12#
11	l2	1260-3		0.044	0.000	100.0#	0#	-3.51#
12	l2	1260-4		0.080	0.000	100.0#	0#	-3.64#
13	l2	1260-5		0.059	0.000	100.0#	0#	-3.83#
14	i	2154_1br2nb	^	1.000	1.000	0.0	0	-1.23#
15	l3	1221-1		0.010	0.000	100.0#	0#	-1.70#
16	l3	1221-2		0.00631	0.00000	100.0#	0#	-1.76#
17	l3	1221-3		0.024	0.000	100.0#	0#	-1.78#
18	l4	1254-1		0.018	0.000	100.0#	0#	-2.59#
19	l4	1254-2		0.044	0.000	100.0#	0#	-2.69#
20	l4	1254-3		0.064	0.000	100.0#	0#	-2.92#
21	l4	1254-4		0.041	0.000	100.0#	0#	-3.03#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-21.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 07 Nov 2025 13:24
Operator : pest2:sdc
Sample   : cicv1248,42e,,pp 12228 L250ICVRVT
Misc   : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:25:19 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:24:45 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
22	l4	1254-5		0.048	0.000	100.0#	0#	-3.30#
23	i	4268_1br2nb	^	1.000	1.000	0.0	0	-1.22#
24	l6	1242-1		0.014	0.000	100.0#	0#	-1.78#
25	l6	1242-2		0.032	0.000	100.0#	0#	-1.95#
26	l6	1242-3		0.060	0.000	100.0#	0#	-2.15#
27	l6	1242-4		0.024	0.000	100.0#	0#	-2.21#
28	l6	1242-5		0.019	0.000	100.0#	0#	-2.59#
29	l9	1268-1		0.098	0.000	100.0#	0#	-3.83#
30	l9	1268-2		0.101	0.000	100.0#	0#	-3.85#
31	l9	1268-3		0.066	0.000	100.0#	0#	-3.99#
32	l9	1268-4		0.030	0.000	100.0#	0#	-4.14#
33	l9	1268-5		0.182	0.000	100.0#	0#	-4.33#
40	i	3262_1br2nb	^	1.000	1.000	0.0	0	-1.23#
41	l5	1232-1		0.021	0.000	100.0#	0#	-1.78#
42	l5	1232-2		0.017	0.000	100.0#	0#	-1.95#
43	l5	1232-3		0.034	0.000	100.0#	0#	-2.15#
44	l5	1232-4		0.013	0.000	100.0#	0#	-2.21#
45	l5	1232-5		0.010	0.000	100.0#	0#	-2.59#
46	l8	1262-1		0.036	0.000	100.0#	0#	-3.12#
47	l8	1262-2		0.050	0.000	100.0#	0#	-3.35#
48	l8	1262-3		0.046	0.000	100.0#	0#	-3.50#
49	l8	1262-4		0.084	0.000	100.0#	0#	-3.63#
50	l8	1262-5		0.030	0.000	100.0#	0#	-4.15#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-21.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 13:24
Operator : pest2:sdc
Sample : cicv1248,42e,,pp 12228 L250ICVRVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:25:19 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:24:45 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	1.173	1.227	318.4E6	564.0E6	25.000M3	25.000M3
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2	1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2	1260-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D.	N.D.
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-21.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 13:24
Operator : pest2:sdc
Sample : cicv1248,42e,,pp 12228 L250ICVRVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:25:19 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:24:45 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9	1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9	1268-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	1.906	2.144	151.9E6	230.3E6	233.254	228.874
36) l7	1248-2	2.041	2.293	195.6E6	151.7E6	270.882M1	275.454
37) l7	1248-3	2.136	2.416	175.7E6	191.4E6	275.593	270.672
38) l7	1248-4	2.318	2.589	151.1E6	210.8E6	273.972	260.377

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-21.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 13:24
Operator : pest2:sdc
Sample : cicv1248,42e,,pp 12228 L250ICVRVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:25:19 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:24:45 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
39) l7	1248-5	2.331	2.612	144.6E6	244.8E6	242.344	250.172
Sum	1248-1			818.9E6	1028.9E6	N.D.	N.D. D
Average	1248-1					259.209	257.110
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D.	N.D.
48) l8	1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8	1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8	1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

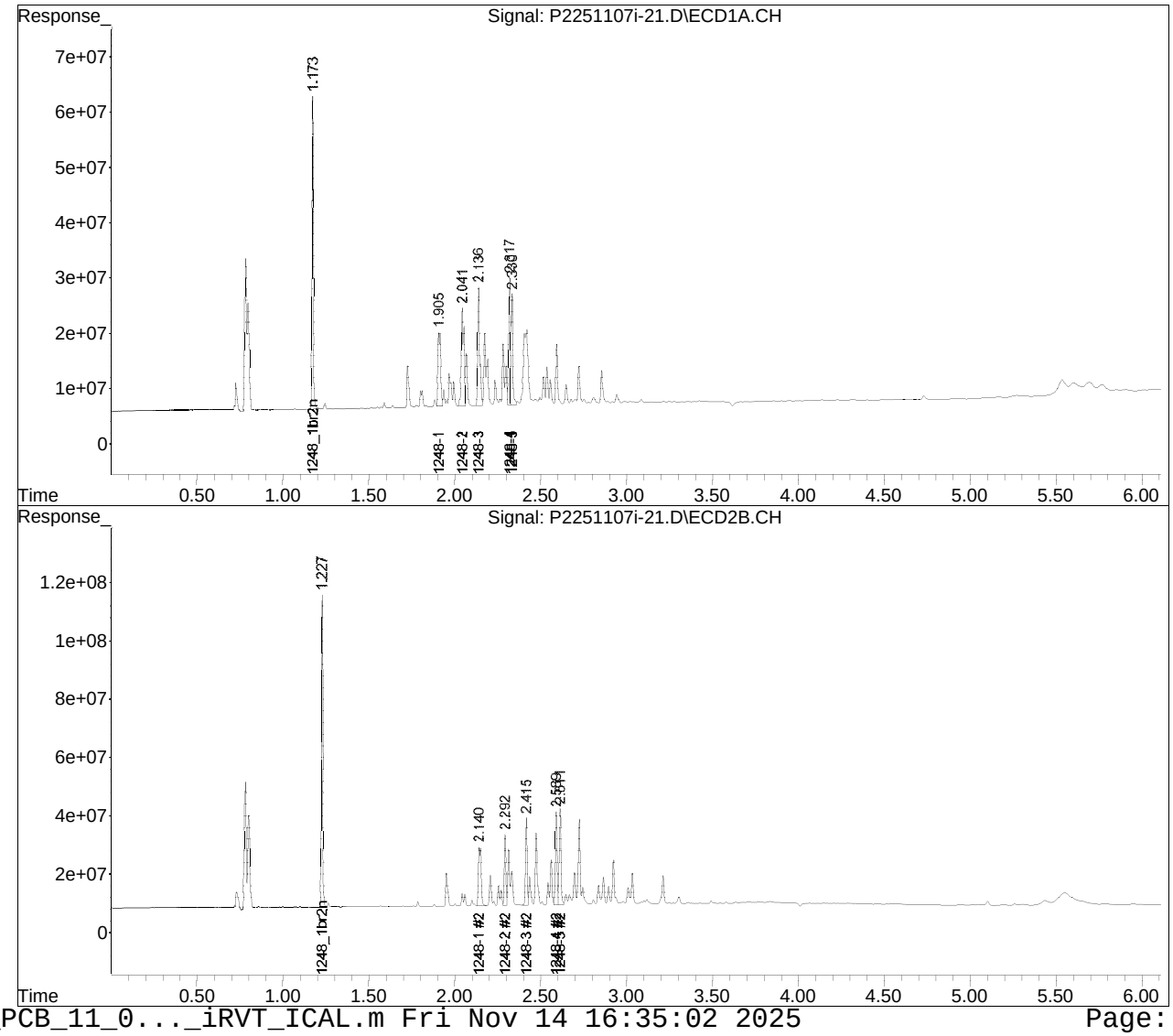
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-21.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 13:24
Operator : pest2:sdc
Sample : cicv1248,42e,,pp 12228 L250ICVRVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:25:19 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:24:45 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

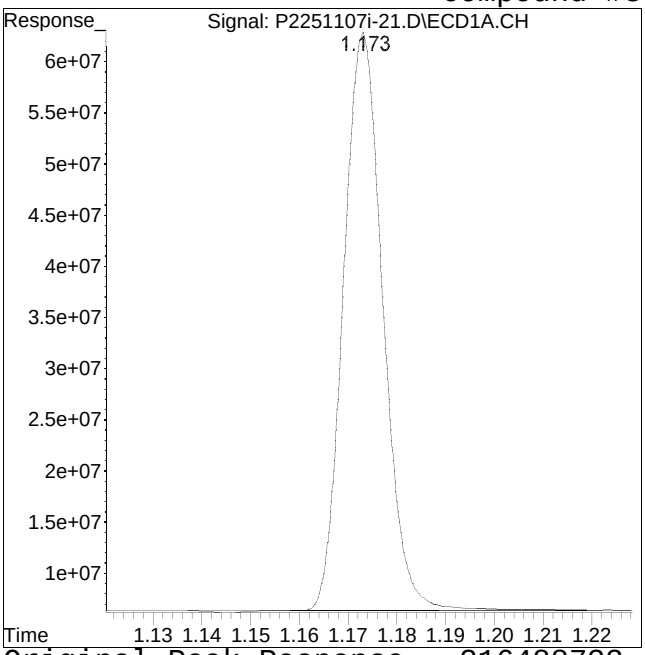
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

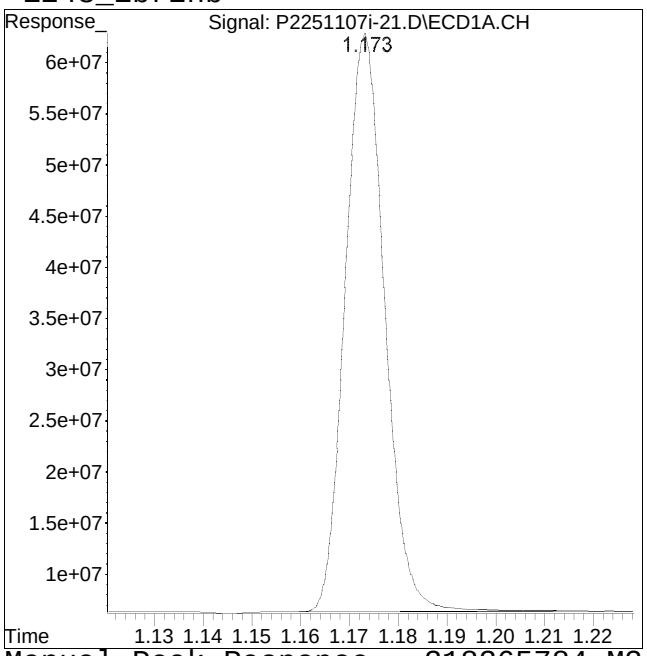


Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-21.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 13:24 Instrument : Pest 2
Sample : cicv1248,42e,,pp 12228 L25Quant Date : 11/13/2025 5:25 pm

Compound #34: 1248_1br2nb



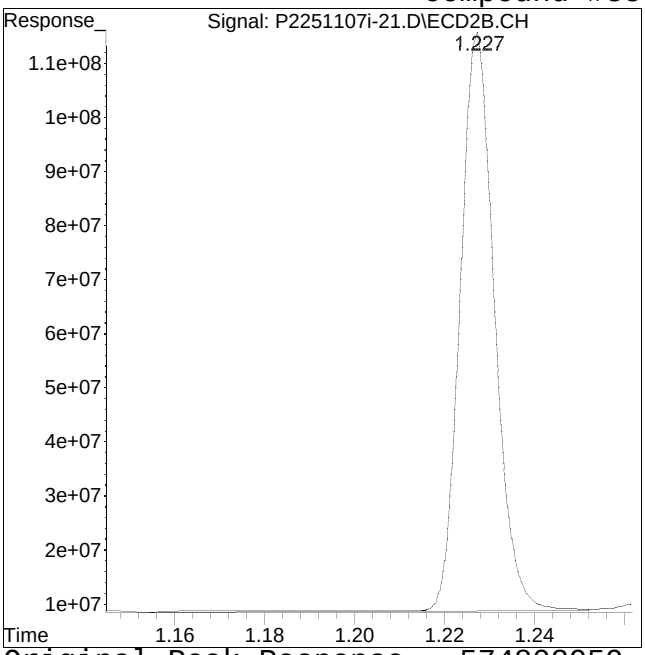


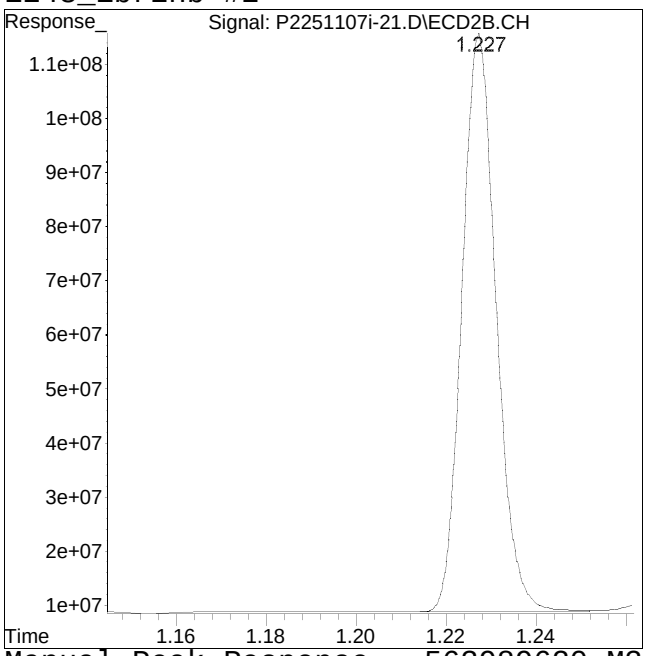
Original Peak Response = 316488733 Manual Peak Response = 318365784 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-21.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 13:24 Instrument : Pest 2
Sample : cicv1248,42e,,pp 12228 L25Quant Date : 11/13/2025 5:25 pm

Compound #85: 1248_1br2nb #2



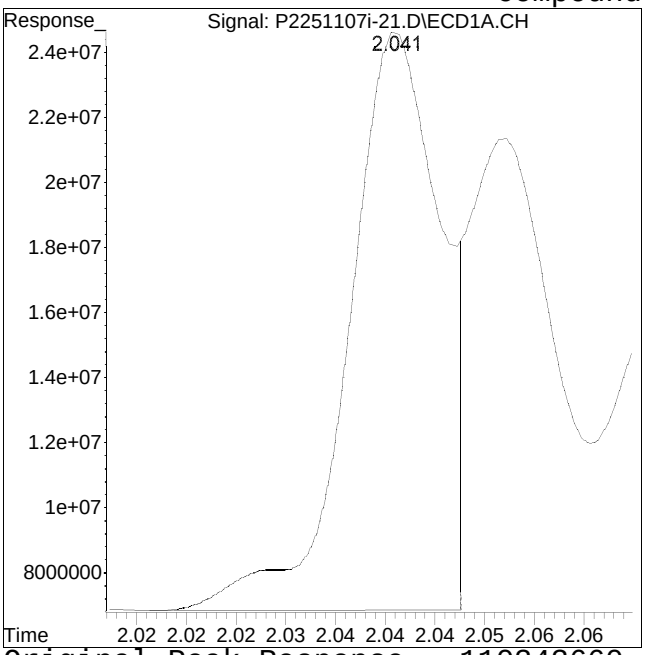


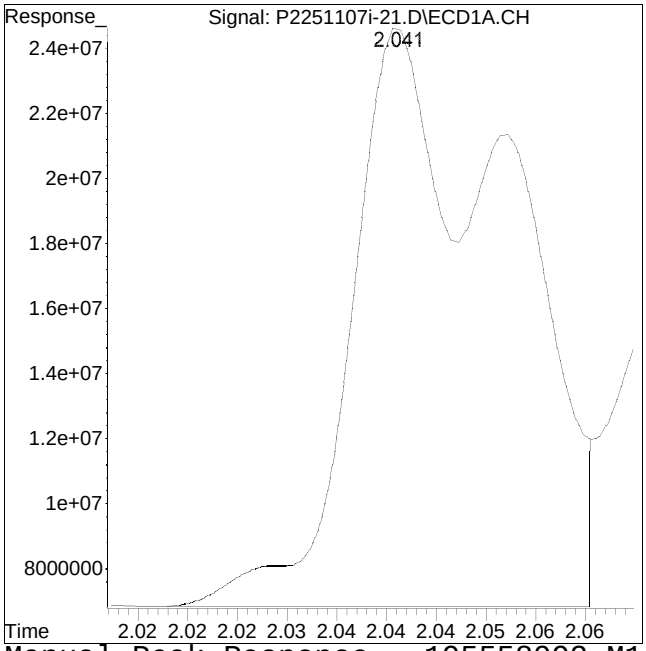
Original Peak Response = 574802959 Manual Peak Response = 563989620 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-21.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 13:24 Instrument : Pest 2
Sample : cicv1248,42e,,pp 12228 L25Quant Date : 11/13/2025 5:25 pm

Compound #36: 1248-2





Original Peak Response = 110343660 Manual Peak Response = 195558992 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-22.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 07 Nov 2025 13:33
Operator : pest2:sdc
Sample   : cicv2154,42e,,pp 12227 L250ICVRVT
Misc   : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:32:28 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14	i	2154_1br2nb	^	1.000	1.000	0.0	103	0.00
15	l3	1221-1		0.011	0.012	-9.1	111	0.00
16	l3	1221-2		0.00657	0.00727	-10.7	114	0.00
17	l3	1221-3		0.028	0.030	-7.1	111	0.00
18	l4	1254-1		0.039	0.047	-20.5#	124	0.00
19	l4	1254-2		0.071	0.077	-8.5	111	0.00
20	l4	1254-3		0.076	0.083	-9.2	112	0.00
21	l4	1254-4		0.052	0.057	-9.6	112	0.00
22	l4	1254-5		0.068	0.080	-17.6	121	0.00

Signal #2

14	i	2154_1br2nb	^	1.000	1.000	0.0	107	0.00
15	l3	1221-1		0.010	0.011	-10.0	112	0.00
16	l3	1221-2		0.00631	0.00666	-5.5	113	0.00
17	l3	1221-3		0.024	0.025	-4.2	111	0.00
18	l4	1254-1		0.018	0.017	5.6	104	0.00
19	l4	1254-2		0.044	0.047	-6.8	114	0.00
20	l4	1254-3		0.064	0.066	-3.1	110	0.00
21	l4	1254-4		0.041	0.041	0.0	107	0.00
22	l4	1254-5		0.048	0.059	-22.9#	132	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1660_1br2nb	^	1.000	1.000	0.0	0	-1.17#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.250	0.000	100.0#	0#	-1.45#
3	s	Decachlorobiphenyl		1.040	0.000	100.0#	0#	-4.00#
4	l1	1016-1		0.021	0.000	100.0#	0#	-1.59#
5	l1	1016-2		0.052	0.000	100.0#	0#	-1.73#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-22.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 07 Nov 2025 13:33
Operator : pest2:sdc
Sample   : cicv2154,42e,,pp 12227 L250ICVRVT
Misc   : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:32:28 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
6	l1	1016-3		0.098	0.000	100.0#	0#	-1.91#
7	l1	1016-4		0.041	0.000	100.0#	0#	-1.97#
8	l1	1016-5		0.043	0.000	100.0#	0#	-2.14#
9	l2	1260-1		0.061	0.000	100.0#	0#	-2.68#
10	l2	1260-2		0.095	0.000	100.0#	0#	-2.81#
11	l2	1260-3		0.048	0.000	100.0#	0#	-3.12#
12	l2	1260-4		0.103	0.000	100.0#	0#	-3.27#
13	l2	1260-5		0.080	0.000	100.0#	0#	-3.42#
23	i	4268_1br2nb	^	1.000	1.000	0.0	0	-1.17#
24	l6	1242-1		0.016	0.000	100.0#	0#	-1.59#
25	l6	1242-2		0.036	0.000	100.0#	0#	-1.73#
26	l6	1242-3		0.071	0.000	100.0#	0#	-1.91#
27	l6	1242-4		0.030	0.000	100.0#	0#	-1.97#
28	l6	1242-5		0.022	0.000	100.0#	0#	-2.32#
29	l9	1268-1		0.151	0.000	100.0#	0#	-3.43#
30	l9	1268-2		0.157	0.000	100.0#	0#	-3.46#
31	l9	1268-3		0.109	0.000	100.0#	0#	-3.56#
32	l9	1268-4		0.043	0.000	100.0#	0#	-3.74#
33	l9	1268-5		0.301	0.000	100.0#	0#	-3.90#
34	i	1248_1br2nb	^	1.000	1.000	0.0	0	-1.17#
35	l7	1248-1		0.051	0.000	100.0#	0#	-1.91#
36	l7	1248-2		0.057	0.000	100.0#	0#	-2.04#
37	l7	1248-3		0.050	0.000	100.0#	0#	-2.14#
38	l7	1248-4		0.043	0.000	100.0#	0#	-2.32#
39	l7	1248-5		0.047	0.000	100.0#	0#	-2.33#
40	i	3262_1br2nb	^	1.000	1.000	0.0	0	-1.17#
41	l5	1232-1		0.024	0.000	100.0#	0#	-1.59#
42	l5	1232-2		0.021	0.000	100.0#	0#	-1.72#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-22.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 07 Nov 2025 13:33
Operator : pest2:sdc
Sample   : cicv2154,42e,,pp 12227 L250ICVRVT
Misc   : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:32:28 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
43	l5	1232-3		0.039	0.000	100.0#	0#	-1.91#
44	l5	1232-4		0.016	0.000	100.0#	0#	-1.97#
45	l5	1232-5		0.012	0.000	100.0#	0#	-2.32#
46	l8	1262-1		0.058	0.000	100.0#	0#	-2.80#
47	l8	1262-2		0.074	0.000	100.0#	0#	-2.99#
48	l8	1262-3		0.065	0.000	100.0#	0#	-3.12#
49	l8	1262-4		0.130	0.000	100.0#	0#	-3.27#
50	l8	1262-5		0.042	0.000	100.0#	0#	-3.74#

Signal #2

1	i	1660_1br2nb	^	1.000	1.000	0.0	0	-1.23#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.122	0.000	100.0#	0#	-1.59#
3	s	Decachlorobiphenyl	*	25.000	0.000	100.0#	0	-4.48#
4	l1	1016-1		0.020	0.000	100.0#	0#	-1.78#
5	l1	1016-2		0.046	0.000	100.0#	0#	-1.95#
6	l1	1016-3		0.091	0.000	100.0#	0#	-2.15#
7	l1	1016-4		0.036	0.000	100.0#	0#	-2.21#
8	l1	1016-5		0.029	0.000	100.0#	0#	-2.42#
9	l2	1260-1		0.053	0.000	100.0#	0#	-3.02#
10	l2	1260-2		0.061	0.000	100.0#	0#	-3.12#
11	l2	1260-3		0.044	0.000	100.0#	0#	-3.51#
12	l2	1260-4		0.080	0.000	100.0#	0#	-3.64#
13	l2	1260-5		0.059	0.000	100.0#	0#	-3.83#
23	i	4268_1br2nb	^	1.000	1.000	0.0	0	-1.22#
24	l6	1242-1		0.014	0.000	100.0#	0#	-1.78#
25	l6	1242-2		0.032	0.000	100.0#	0#	-1.95#
26	l6	1242-3		0.060	0.000	100.0#	0#	-2.15#
27	l6	1242-4		0.024	0.000	100.0#	0#	-2.21#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-22.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 07 Nov 2025 13:33
Operator : pest2:sdc
Sample   : cicv2154,42e,,pp 12227 L250ICVRVT
Misc   : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:32:28 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	l6	1242-5		0.019	0.000	100.0#	0#	-2.59#
29	l9	1268-1		0.098	0.000	100.0#	0#	-3.83#
30	l9	1268-2		0.101	0.000	100.0#	0#	-3.85#
31	l9	1268-3		0.066	0.000	100.0#	0#	-3.99#
32	l9	1268-4		0.030	0.000	100.0#	0#	-4.14#
33	l9	1268-5		0.182	0.000	100.0#	0#	-4.33#
34	i	1248_1br2nb	^	1.000	1.000	0.0	0	-1.23#
35	l7	1248-1		0.045	0.000	100.0#	0#	-2.15#
36	l7	1248-2		0.024	0.000	100.0#	0#	-2.29#
37	l7	1248-3		0.031	0.000	100.0#	0#	-2.41#
38	l7	1248-4		0.036	0.000	100.0#	0#	-2.59#
39	l7	1248-5		0.043	0.000	100.0#	0#	-2.61#
40	i	3262_1br2nb	^	1.000	1.000	0.0	0	-1.23#
41	l5	1232-1		0.021	0.000	100.0#	0#	-1.78#
42	l5	1232-2		0.017	0.000	100.0#	0#	-1.95#
43	l5	1232-3		0.034	0.000	100.0#	0#	-2.15#
44	l5	1232-4		0.013	0.000	100.0#	0#	-2.21#
45	l5	1232-5		0.010	0.000	100.0#	0#	-2.59#
46	l8	1262-1		0.036	0.000	100.0#	0#	-3.12#
47	l8	1262-2		0.050	0.000	100.0#	0#	-3.35#
48	l8	1262-3		0.046	0.000	100.0#	0#	-3.50#
49	l8	1262-4		0.084	0.000	100.0#	0#	-3.63#
50	l8	1262-5		0.030	0.000	100.0#	0#	-4.15#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-22.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 13:33
Operator : pest2:sdc
Sample : cicv2154,42e,,pp 12227 L250ICVRVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:32:28 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	1.174	1.227	342.7E6	609.5E6	25.000M3	25.000M3
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	1.514	1.701	41529343	64364044	269.513M3	261.016

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-22.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 13:33
Operator : pest2:sdc
Sample : cicv2154,42e,,pp 12227 L250ICVRVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:32:28 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
16) l3	1221-2	1.573	1.759	24908147	40602080	276.638	263.770
17) l3	1221-3	1.589	1.785	103.4E6	151.2E6	269.773	259.562
Sum	1221-1			169.8E6	256.2E6	815.925	784.347
Average	1221-1					271.975	261.449
18) l4	1254-1	2.300	2.590	162.0E6	105.5E6	302.239	241.844
19) l4	1254-2	2.412	2.696	262.9E6	284.4E6	269.904	265.859
20) l4	1254-3	2.594	2.922	285.6E6	400.1E6	273.237	257.101
21) l4	1254-4	2.723	3.032	194.7E6	251.3E6	271.813	248.648M3
22) l4	1254-5	2.944	3.305	275.4E6	360.0E6	294.713	309.183
Sum	1254-1			1180.7E6	1401.3E6	N.D.	N.D. D
Average	1254-1					282.381	264.527
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-22.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 13:33
Operator : pest2:sdc
Sample : cicv2154,42e,,pp 12227 L250ICVRVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:32:28 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

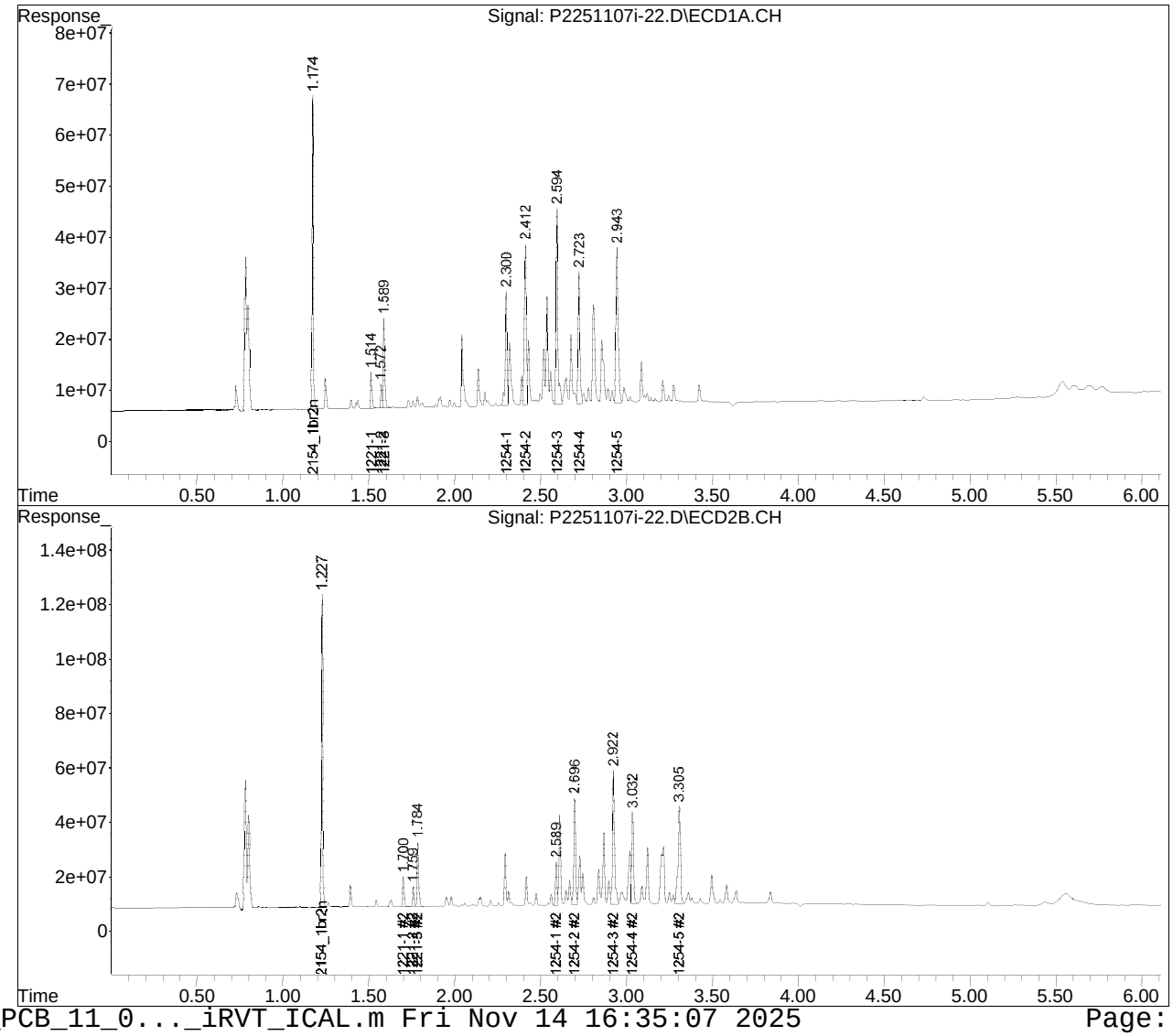
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-22.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 13:33
Operator : pest2:sdc
Sample : cicv2154,42e,,pp 12227 L250ICVRVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 17:32:28 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

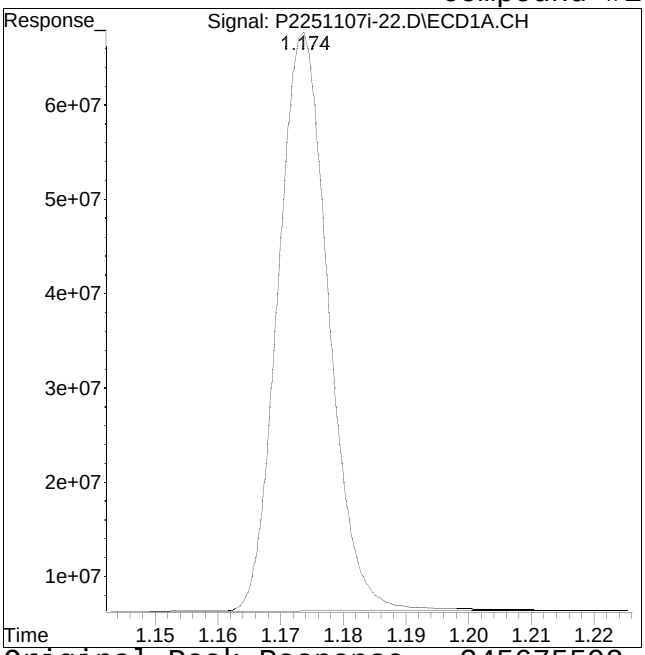
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

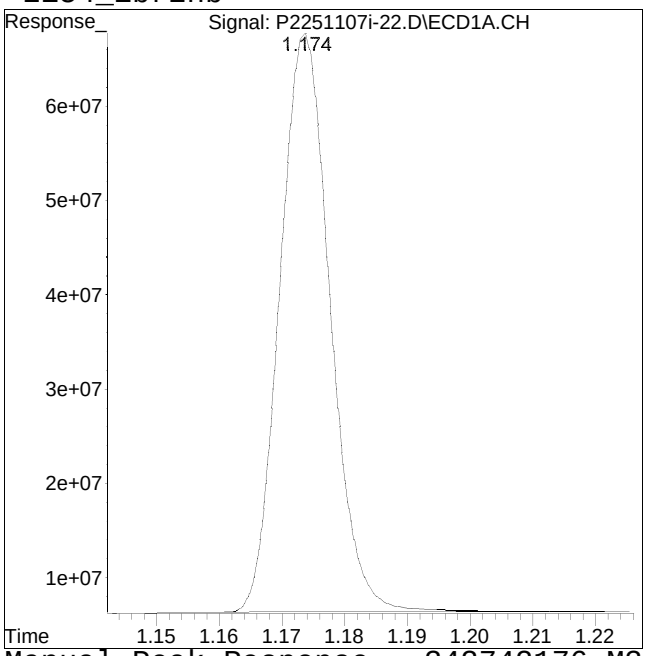


Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-22.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 13:33 Instrument : Pest 2
Sample : cicv2154,42e,,pp 12227 L25Quant Date : 11/13/2025 5:32 pm

Compound #14: 2154_1br2nb



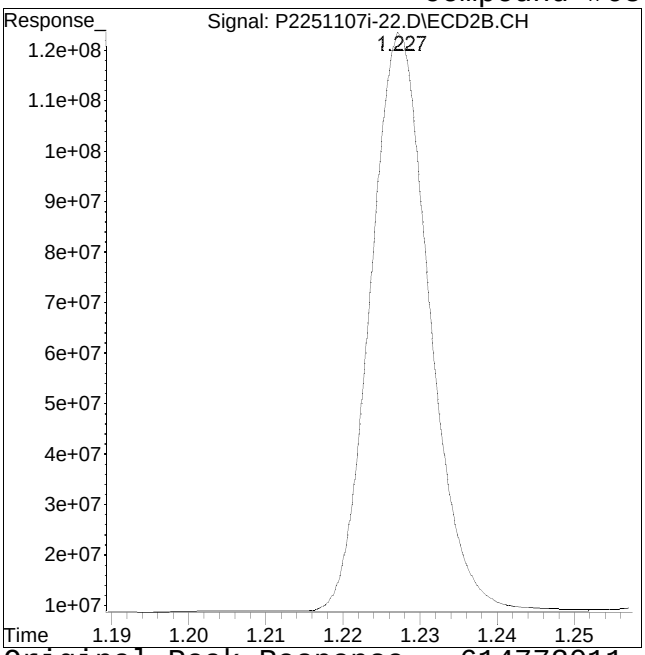


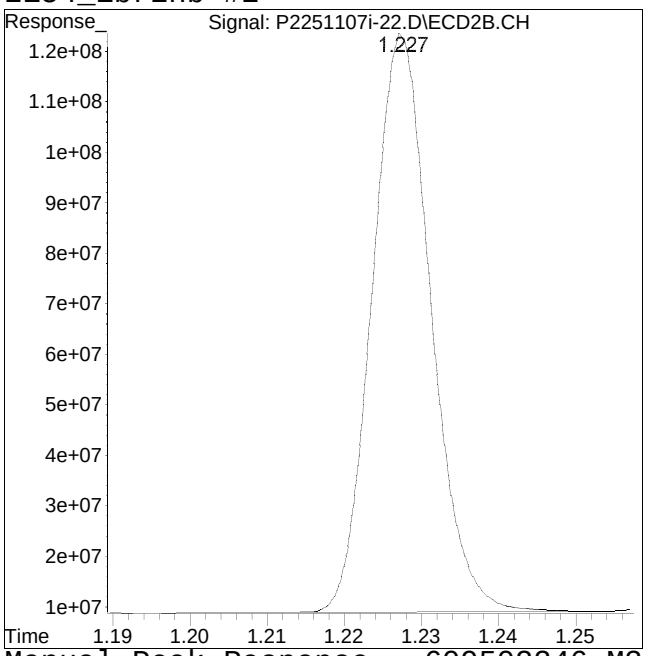
Original Peak Response = 345675592 Manual Peak Response = 342742176 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-22.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 13:33 Instrument : Pest 2
Sample : cicv2154,42e,,pp 12227 L25Quant Date : 11/13/2025 5:32 pm

Compound #65: 2154_1br2nb #2



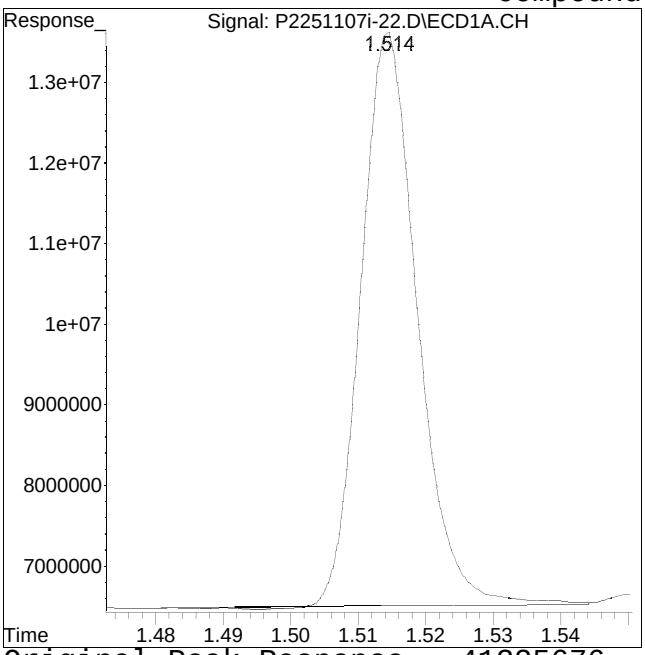


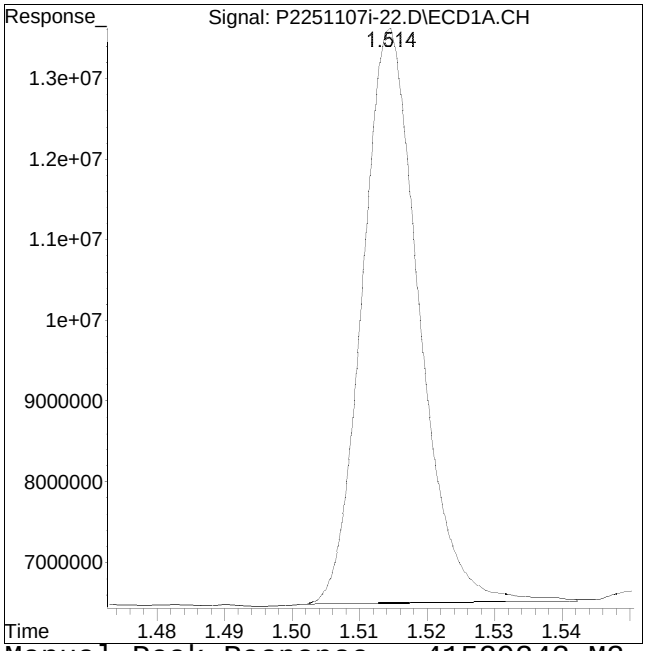
Original Peak Response = 614772011 Manual Peak Response = 609502246 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-22.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 13:33 Instrument : Pest 2
Sample : cicv2154,42e,,pp 12227 L25Quant Date : 11/13/2025 5:32 pm

Compound #15: 1221-1



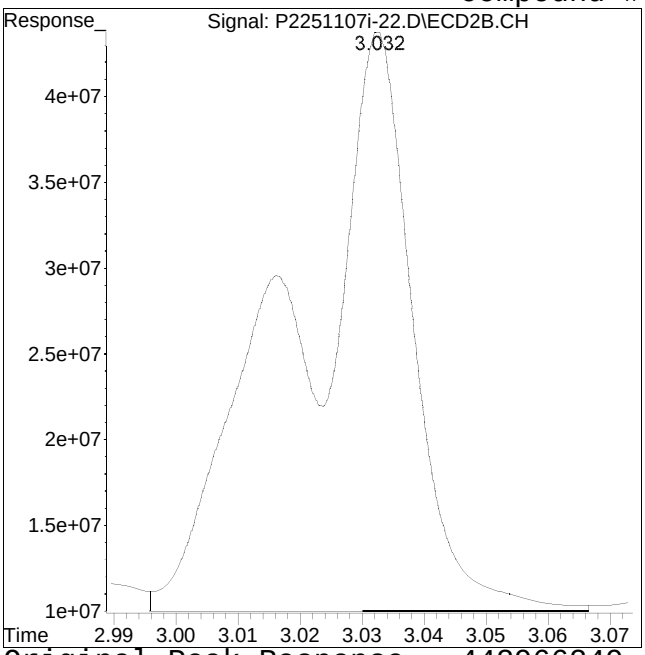


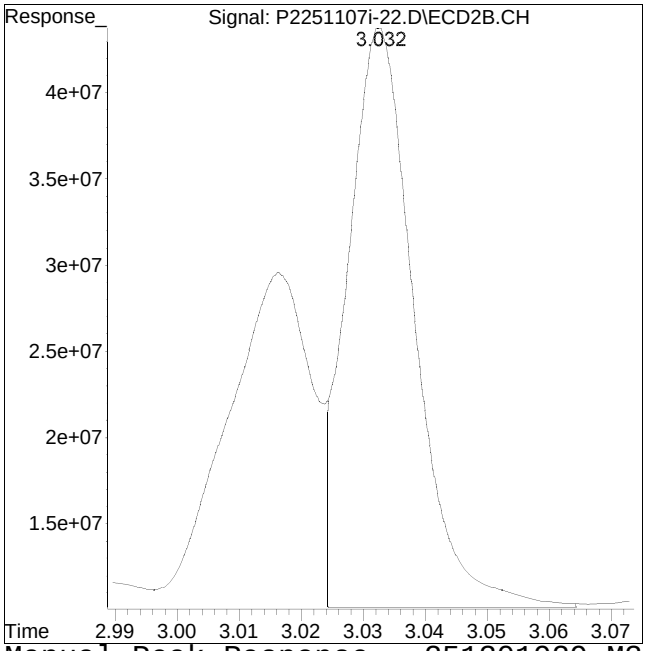
Original Peak Response = 41325676 Manual Peak Response = 41529343 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-22.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 13:33 Instrument : Pest 2
Sample : cicv2154,42e,,pp 12227 L25Quant Date : 11/13/2025 5:32 pm

Compound #72: 1254-4 #2





Original Peak Response = 442966249 Manual Peak Response = 251301929 M3

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

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-23.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 07 Nov 2025 13:41
Operator : pest2:sdc
Sample   : cicv1660,42e,,pp 12226 L250ICVRVT
Misc   : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 16:53:46 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 16:52:48 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	^	1.000	1.000	0.0	108	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.250	0.992	20.6#	80	0.00
3	s	Decachlorobiphenyl		1.040	0.810	22.1#	84	0.00
4	l1	1016-1		0.021	0.021	0.0	109	0.00
5	l1	1016-2		0.052	0.045	13.5	96	0.00
6	l1	1016-3		0.098	0.094	4.1	99	0.00
7	l1	1016-4		0.041	0.039	4.9	100	0.00
8	l1	1016-5		0.043	0.040	7.0	102	0.00
9	l2	1260-1		0.061	0.059	3.3	102	0.00
10	l2	1260-2		0.095	0.089	6.3	98	0.00
11	l2	1260-3		0.048	0.055	-14.6	118	0.00
12	l2	1260-4		0.103	0.118	-14.6	115	0.00
13	l2	1260-5		0.080	0.087	-8.7	113	0.00

Signal #2

1	i	1660_1br2nb	^	1.000	1.000	0.0	114	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.122	0.834	25.7#	81	0.00
3	s	Decachlorobiphenyl	*	25.000	20.630	17.5	88	0.00
4	l1	1016-1		0.020	0.017	15.0	105	0.00
5	l1	1016-2		0.046	0.040	13.0	99	0.00
6	l1	1016-3		0.091	0.076	16.5	97	0.00
7	l1	1016-4		0.036	0.030	16.7	99	0.00
8	l1	1016-5		0.029	0.024	17.2	101	0.00
9	l2	1260-1		0.053	0.045	15.1	101	0.00
10	l2	1260-2		0.061	0.054	11.5	111	0.00
11	l2	1260-3		0.044	0.045	-2.3	126	0.00
12	l2	1260-4		0.080	0.090	-12.5	135	0.00
13	l2	1260-5		0.059	0.062	-5.1	126	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-23.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 07 Nov 2025 13:41
Operator : pest2:sdc
Sample   : cicv1660,42e,,pp 12226 L250ICVRVT
Misc   : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 16:53:46 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 16:52:48 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
Evaluate Continuing Calibration Report - Not Founds								
14	i	2154_1br2nb	^	1.000	1.000	0.0	0	-1.17#
15	l3	1221-1		0.011	0.000	100.0#	0#	-1.51#
16	l3	1221-2		0.00657	0.00000	100.0#	0#	-1.57#
17	l3	1221-3		0.028	0.000	100.0#	0#	-1.59#
18	l4	1254-1		0.039	0.000	100.0#	0#	-2.30#
19	l4	1254-2		0.071	0.000	100.0#	0#	-2.41#
20	l4	1254-3		0.076	0.000	100.0#	0#	-2.59#
21	l4	1254-4		0.052	0.000	100.0#	0#	-2.72#
22	l4	1254-5		0.068	0.000	100.0#	0#	-2.94#
23	i	4268_1br2nb	^	1.000	1.000	0.0	0	-1.17#
24	l6	1242-1		0.016	0.000	100.0#	0#	-1.59#
25	l6	1242-2		0.036	0.000	100.0#	0#	-1.73#
26	l6	1242-3		0.071	0.000	100.0#	0#	-1.91#
27	l6	1242-4		0.030	0.000	100.0#	0#	-1.97#
28	l6	1242-5		0.022	0.000	100.0#	0#	-2.32#
29	l9	1268-1		0.151	0.000	100.0#	0#	-3.43#
30	l9	1268-2		0.157	0.000	100.0#	0#	-3.46#
31	l9	1268-3		0.109	0.000	100.0#	0#	-3.56#
32	l9	1268-4		0.043	0.000	100.0#	0#	-3.74#
33	l9	1268-5		0.301	0.000	100.0#	0#	-3.90#
34	i	1248_1br2nb	^	1.000	1.000	0.0	0	-1.17#
35	l7	1248-1		0.051	0.000	100.0#	0#	-1.91#
36	l7	1248-2		0.057	0.000	100.0#	0#	-2.04#
37	l7	1248-3		0.050	0.000	100.0#	0#	-2.14#
38	l7	1248-4		0.043	0.000	100.0#	0#	-2.32#
39	l7	1248-5		0.047	0.000	100.0#	0#	-2.33#

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-23.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 07 Nov 2025 13:41
Operator : pest2:sdc
Sample   : cicv1660,42e,,pp 12226 L250ICVRVT
Misc   : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 16:53:46 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 16:52:48 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
40	i	3262_1br2nb	^	1.000	1.000	0.0	0	-1.17#
41	l5	1232-1		0.024	0.000	100.0#	0#	-1.59#
42	l5	1232-2		0.021	0.000	100.0#	0#	-1.72#
43	l5	1232-3		0.039	0.000	100.0#	0#	-1.91#
44	l5	1232-4		0.016	0.000	100.0#	0#	-1.97#
45	l5	1232-5		0.012	0.000	100.0#	0#	-2.32#
46	l8	1262-1		0.058	0.000	100.0#	0#	-2.80#
47	l8	1262-2		0.074	0.000	100.0#	0#	-2.99#
48	l8	1262-3		0.065	0.000	100.0#	0#	-3.12#
49	l8	1262-4		0.130	0.000	100.0#	0#	-3.27#
50	l8	1262-5		0.042	0.000	100.0#	0#	-3.74#

Signal #2

14	i	2154_1br2nb	^	1.000	1.000	0.0	0	-1.23#
15	l3	1221-1		0.010	0.000	100.0#	0#	-1.70#
16	l3	1221-2		0.00631	0.00000	100.0#	0#	-1.76#
17	l3	1221-3		0.024	0.000	100.0#	0#	-1.78#
18	l4	1254-1		0.018	0.000	100.0#	0#	-2.59#
19	l4	1254-2		0.044	0.000	100.0#	0#	-2.69#
20	l4	1254-3		0.064	0.000	100.0#	0#	-2.92#
21	l4	1254-4		0.041	0.000	100.0#	0#	-3.03#
22	l4	1254-5		0.048	0.000	100.0#	0#	-3.30#
23	i	4268_1br2nb	^	1.000	1.000	0.0	0	-1.22#
24	l6	1242-1		0.014	0.000	100.0#	0#	-1.78#
25	l6	1242-2		0.032	0.000	100.0#	0#	-1.95#
26	l6	1242-3		0.060	0.000	100.0#	0#	-2.15#
27	l6	1242-4		0.024	0.000	100.0#	0#	-2.21#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-23.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 07 Nov 2025 13:41
Operator : pest2:sdc
Sample   : cicv1660,42e,,pp 12226 L250ICVRVT
Misc   : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 16:53:46 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 16:52:48 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	l6	1242-5		0.019	0.000	100.0#	0#	-2.59#
29	l9	1268-1		0.098	0.000	100.0#	0#	-3.83#
30	l9	1268-2		0.101	0.000	100.0#	0#	-3.85#
31	l9	1268-3		0.066	0.000	100.0#	0#	-3.99#
32	l9	1268-4		0.030	0.000	100.0#	0#	-4.14#
33	l9	1268-5		0.182	0.000	100.0#	0#	-4.33#
34	i	1248_1br2nb	^	1.000	1.000	0.0	0	-1.23#
35	l7	1248-1		0.045	0.000	100.0#	0#	-2.15#
36	l7	1248-2		0.024	0.000	100.0#	0#	-2.29#
37	l7	1248-3		0.031	0.000	100.0#	0#	-2.41#
38	l7	1248-4		0.036	0.000	100.0#	0#	-2.59#
39	l7	1248-5		0.043	0.000	100.0#	0#	-2.61#
40	i	3262_1br2nb	^	1.000	1.000	0.0	0	-1.23#
41	l5	1232-1		0.021	0.000	100.0#	0#	-1.78#
42	l5	1232-2		0.017	0.000	100.0#	0#	-1.95#
43	l5	1232-3		0.034	0.000	100.0#	0#	-2.15#
44	l5	1232-4		0.013	0.000	100.0#	0#	-2.21#
45	l5	1232-5		0.010	0.000	100.0#	0#	-2.59#
46	l8	1262-1		0.036	0.000	100.0#	0#	-3.12#
47	l8	1262-2		0.050	0.000	100.0#	0#	-3.35#
48	l8	1262-3		0.046	0.000	100.0#	0#	-3.50#
49	l8	1262-4		0.084	0.000	100.0#	0#	-3.63#
50	l8	1262-5		0.030	0.000	100.0#	0#	-4.15#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-23.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 13:41
Operator : pest2:sdc
Sample : cicv1660,42e,,pp 12226 L250ICVRVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 16:53:46 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 16:52:48 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.174	1.228	348.4E6	634.5E6	25.000	25.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.453	1.591	345.6E6	529.1E6	19.835	18.584
	Spiked Amount	50.000	Range 30 - 150	Recovery =		39.67%	37.17%
3) s	Decachlorobi	4.005	4.479	282.1E6	319.7E6	19.458	20.630
	Spiked Amount	50.000	Range 30 - 150	Recovery =		38.92%	41.26%
	Target Compounds						
4) l1	1016-1	1.590	1.786	73687354	107.5E6	253.869	214.531
5) l1	1016-2	1.728	1.952	155.3E6	251.5E6	214.801	215.745M3
6) l1	1016-3	1.915	2.149	327.8E6	479.6E6	239.073	207.359
7) l1	1016-4	1.969	2.209	137.1E6	190.8E6	237.309M1	208.242
8) l1	1016-5	2.138	2.416	139.2E6	150.0E6	233.430	206.322
Sum	1016-1			833.2E6	1179.5E6	1178.481	1052.199
Average	1016-1					235.696	210.440
9) l2	1260-1	2.676	3.017	203.9E6	284.5E6	240.525	211.061M4
10) l2	1260-2	2.806	3.119	309.6E6	341.1E6	234.397	219.578M3
11) l2	1260-3	3.120	3.506	192.2E6	283.0E6	290.114	252.052
12) l2	1260-4	3.274	3.636	410.5E6	571.8E6	285.787M3	280.060
13) l2	1260-5	3.422	3.835	302.6E6	392.8E6	272.561M1	263.221

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-23.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 13:41
Operator : pest2:sdc
Sample : cicv1660,42e,,pp 12226 L250ICVRVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 16:53:46 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 16:52:48 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1260-1			1418.8E6	1873.1E6	NoCal	NoCal D
Average	1260-1					264.677	245.194
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9	1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-23.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 13:41
Operator : pest2:sdc
Sample : cicv1660,42e,,pp 12226 L250ICVRVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 16:53:46 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 16:52:48 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35)	l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41)	l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46)	l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-23.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 13:41
Operator : pest2:sdc
Sample : cicv1660,42e,,pp 12226 L250ICVRVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 16:53:46 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 16:52:48 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

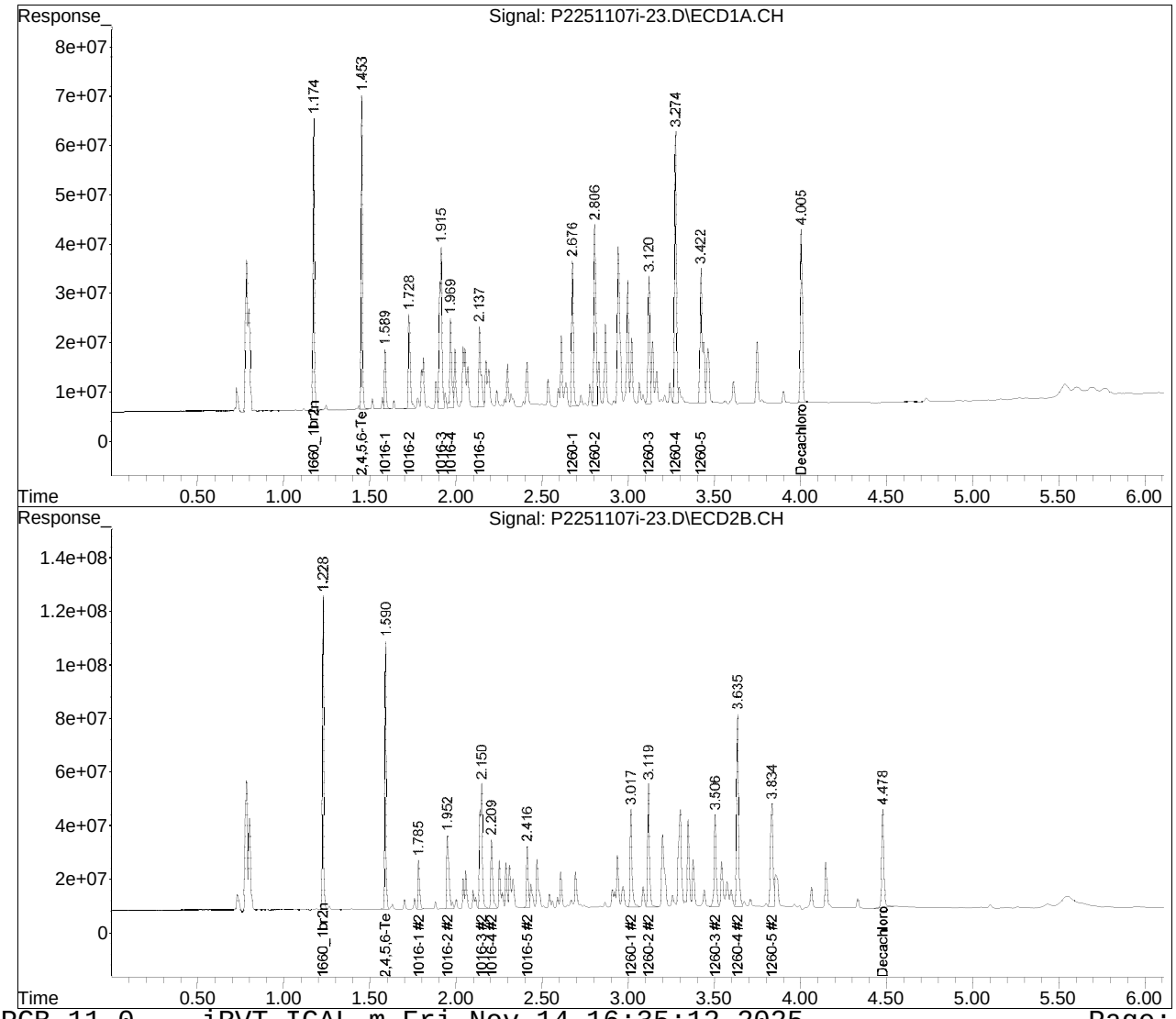
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2025\251107I\
Data File : P2251107i-23.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Nov 2025 13:41
Operator : pest2:sdc
Sample : cicv1660,42e,,pp 12226 L250ICVRVT
Misc : WG2141877,, (Sig #1); ,,ICAL (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 16:53:46 2025
Quant Method : I:\PCB\Pest2\2025\251107I\P2_PCB_11_07_25_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 13 16:52:48 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

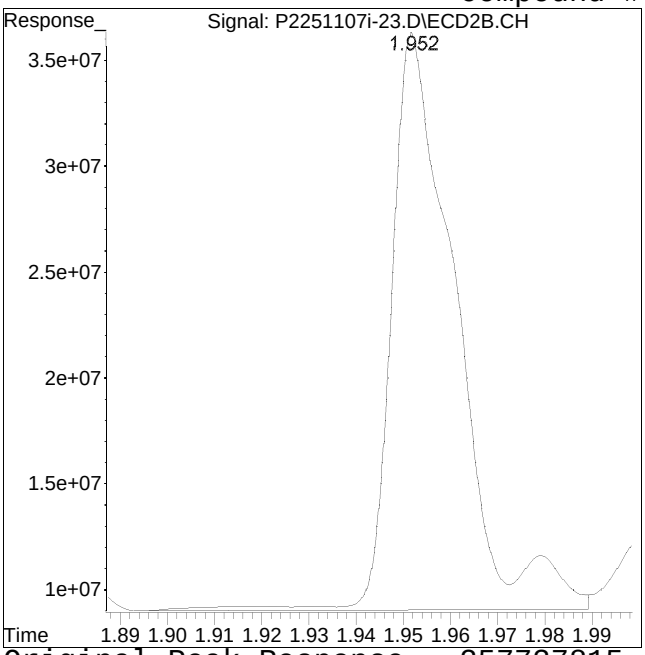
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

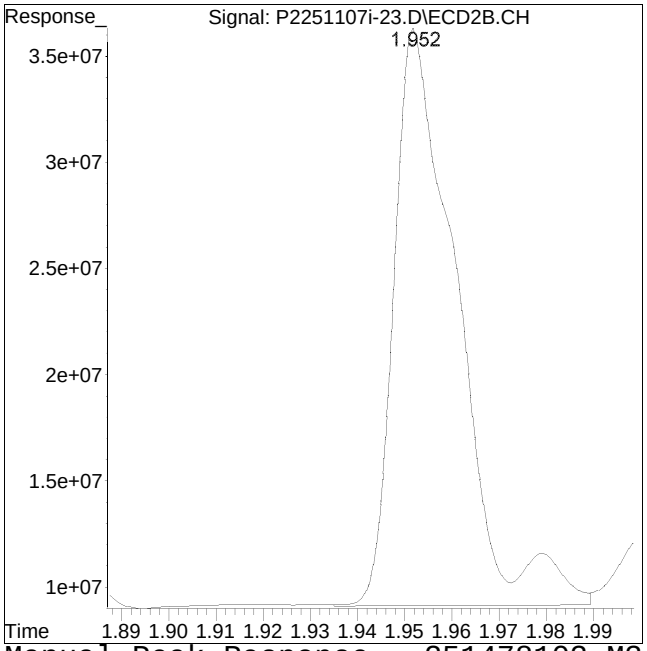


Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-23.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 13:41 Instrument : Pest 2
Sample : cicv1660,42e,,pp 12226 L25Quant Date : 11/13/2025 4:53 pm

Compound #56: 1016-2 #2



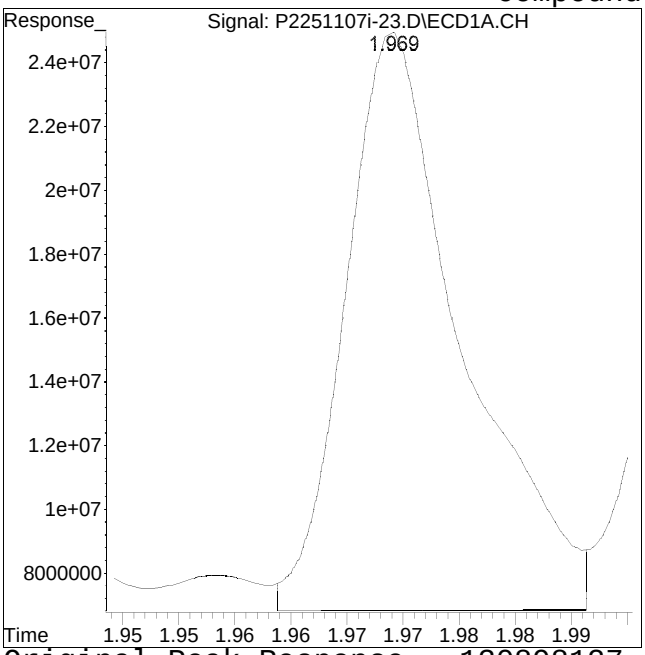


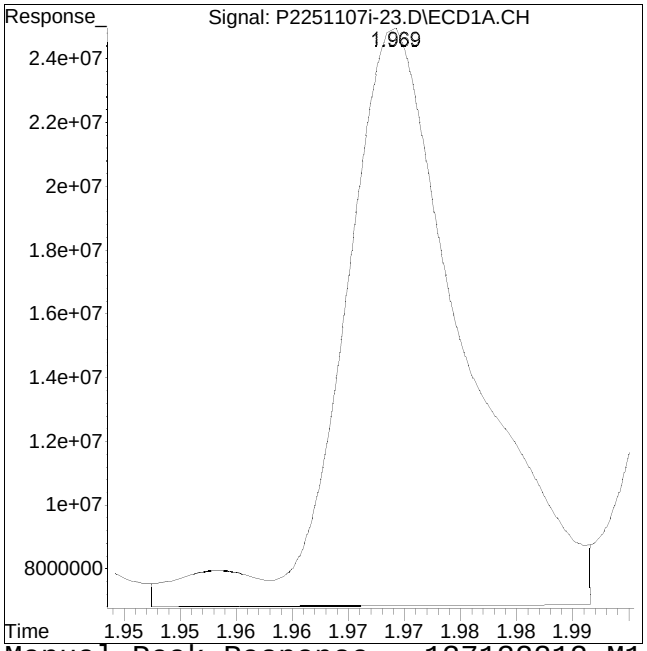
Original Peak Response = 257737815 Manual Peak Response = 251478103 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-23.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 13:41 Instrument : Pest 2
Sample : cicv1660,42e,,pp 12226 L25Quant Date : 11/13/2025 4:53 pm

Compound #7: 1016-4



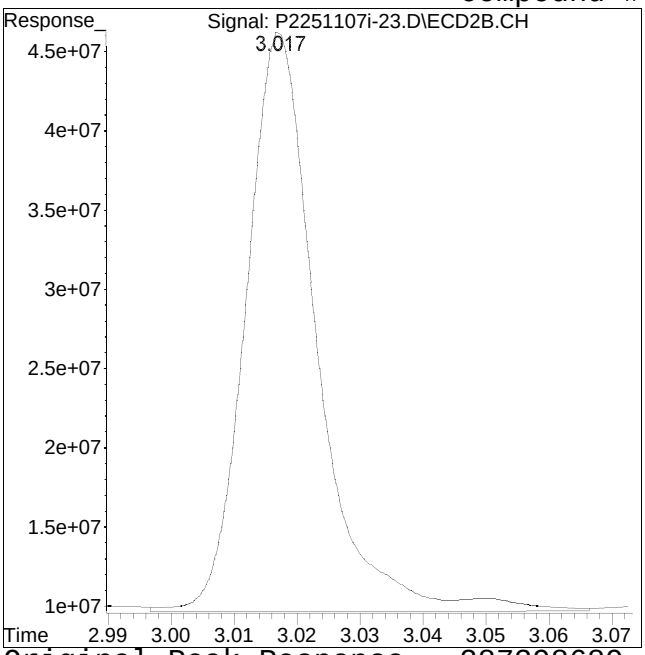


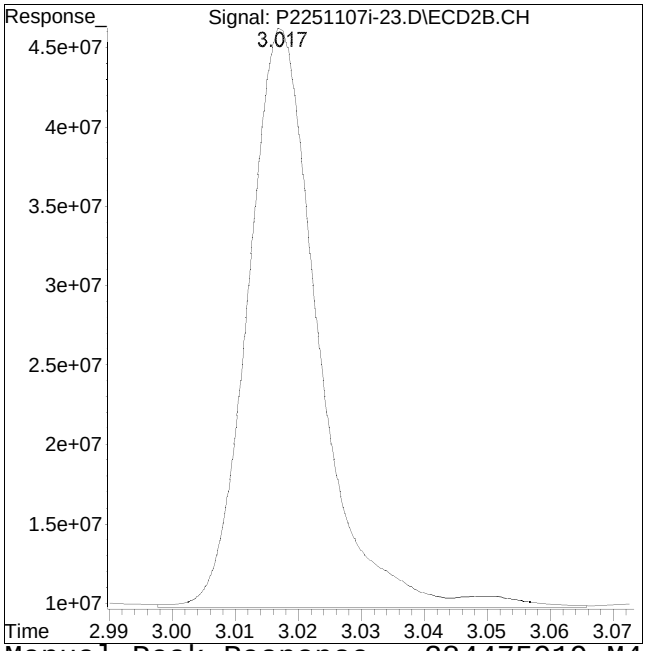
Original Peak Response = 130898127 Manual Peak Response = 137132212 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-23.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 13:41 Instrument : Pest 2
Sample : cicv1660,42e,,pp 12226 L25Quant Date : 11/13/2025 4:53 pm

Compound #60: 1260-1 #2



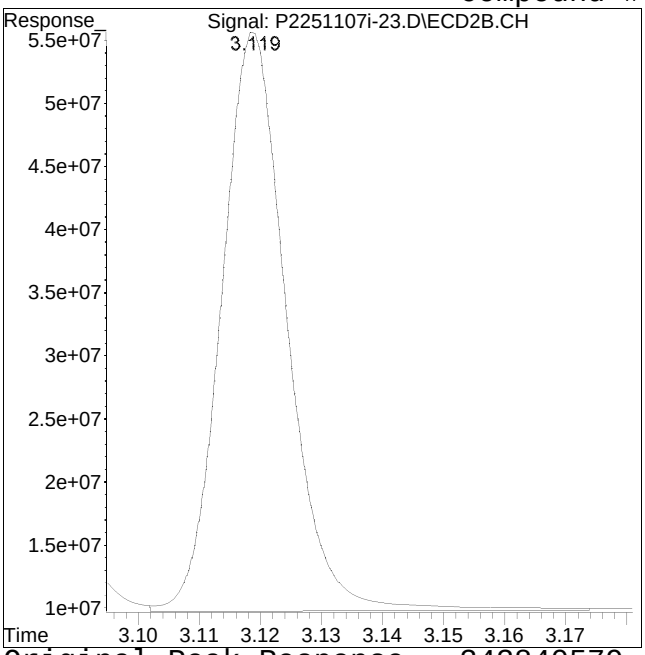


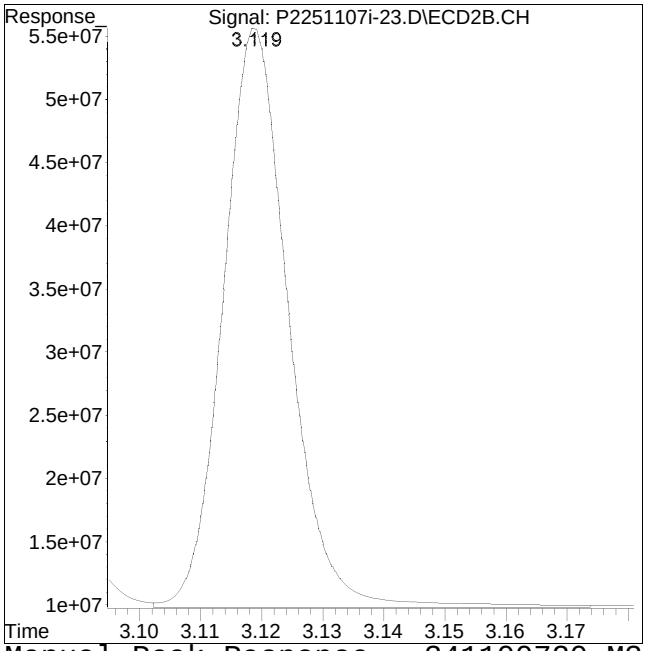
Original Peak Response = 287398689 Manual Peak Response = 284475919 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-23.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 13:41 Instrument : Pest 2
Sample : cicv1660,42e,,pp 12226 L25Quant Date : 11/13/2025 4:53 pm

Compound #61: 1260-2 #2



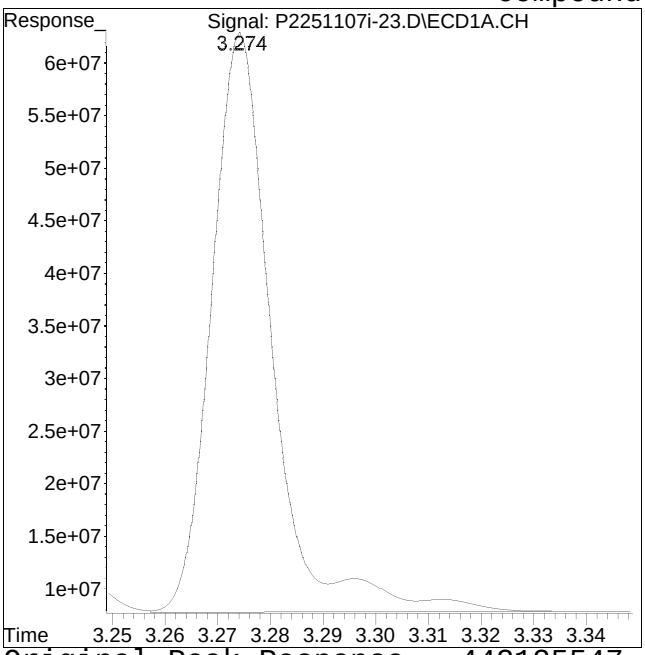


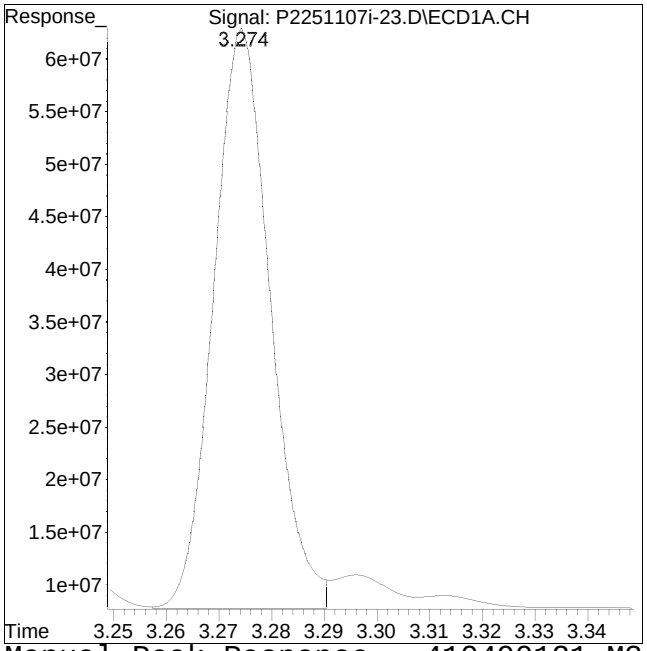
Original Peak Response = 343840579 Manual Peak Response = 341100720 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-23.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 13:41 Instrument : Pest 2
Sample : cicv1660,42e,,pp 12226 L25Quant Date : 11/13/2025 4:53 pm

Compound #12: 1260-4



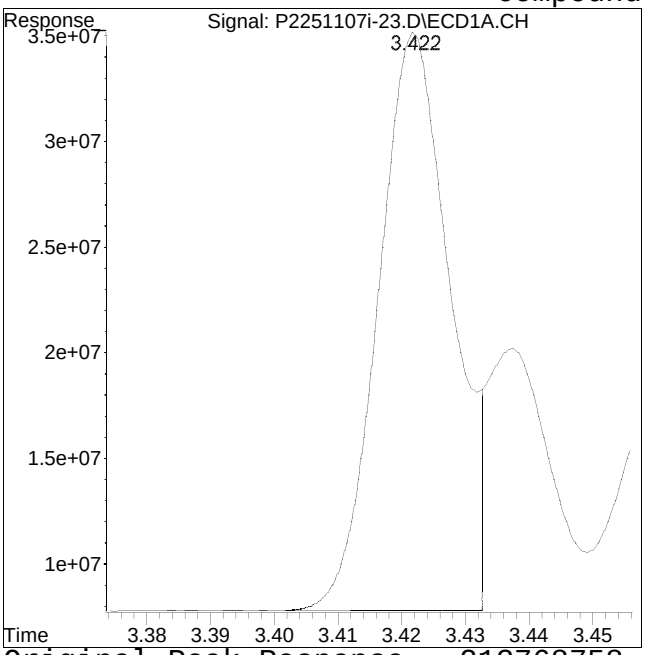


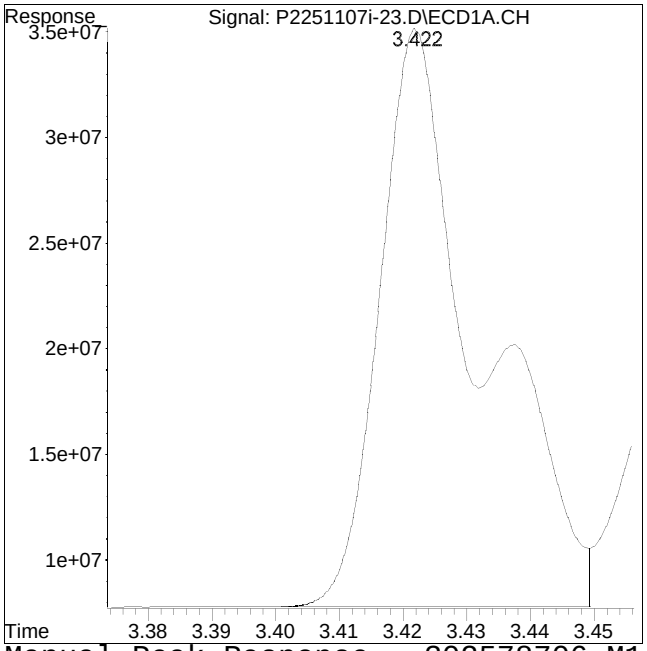
Original Peak Response = 442125547 Manual Peak Response = 410490121 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251107I\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251107i-23.D Operator : pest2:sdc
Date Inj'd : 11/7/2025 13:41 Instrument : Pest 2
Sample : cicv1660,42e,,pp 12226 L25Quant Date : 11/13/2025 4:53 pm

Compound #13: 1260-5





Original Peak Response = 213768758 Manual Peak Response = 302578706 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Relative Error Report Pest 2

Method Path : I:\PCB\Pest2\2025\251107I\
Method File : P2_PCB_11_07_25_iRVT_ICAL.m
Title : pcb
Last Update : Thu Nov 13 17:31:47 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
54	S Decachlorobiphenyl #2	L	ug/l	25.0	26.413	5.7	0.70	0.690	-1.4

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
54	S Decachlorobiphenyl #2	Linear	0.998343	0.000000	0.595954	0.0121852

Continuing Calibration

Calibration Verification Summary
Form 7
PCBs

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576		
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000		
Instrument ID	: PEST2	**Calibration Date**	: 11/30/25 12:27		
Lab File ID	: P2251130a-04	**Init. Calib. Date(s)**	: 11/07/25	11/07/25	
Sample No	: WG2147633-1	**Init. Calib. Times**	: 10:56	12:58	
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	1	1	-	0	20	113	0
2,4,5,6-Tetrachloro-m-xylen	1.25	1.132	-	9.4	20	96	0
Decachlorobiphenyl	1.04	0.882	-	15.2	20	96	0
1016-1	0.021	0.023	-	-9.5	20	124	0
1016-2	0.052	0.051	-	1.9	20	114	0
1016-3	0.098	0.104	-	-6.1	20	115	0
1016-4	0.041	0.044	-	-7.3	20	116	0
1016-5	0.043	0.044	-	-2.3	20	118	0
1260-1	0.061	0.066	-	-8.2	20	121	0
1260-2	0.095	0.098	-	-3.2	20	113	0
1260-3	0.048	0.064	-	-33.3*	20	143	0
1260-4	0.103	0.135	-	-31.1*	20	137	0
1260-5	0.08	0.097	-	-21.3*	20	133	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
PCBs

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: PEST2	**Calibration Date**	: 11/30/25 12:27
Lab File ID	: P2251130a-04	**Init. Calib. Date(s)**	: 11/07/25 11/07/25
Sample No	: WG2147633-1	**Init. Calib. Times**	: 10:56 12:58
Channel	: B		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	1	1	-	0	20	102	0
2,4,5,6-Tetrachloro-m-xylen	1.122	0.976	-	13	20	85	0
Decachlorobiphenyl #2	25	22.037	-	11.9	20	84	0
1016-1 #2	0.02	0.019	-	5	20	104	0
1016-2 #2	0.046	0.045	-	2.2	20	100	0
1016-3 #2	0.091	0.085	-	6.6	20	98	0
1016-4 #2	0.036	0.034	-	5.6	20	100	0
1016-5 #2	0.029	0.026	-	10.3	20	100	0
1260-1 #2	0.053	0.045	-	15.1	20	90	0
1260-2 #2	0.061	0.059	-	3.3	20	109	0
1260-3 #2	0.044	0.052	-	-18.2	20	133	0
1260-4 #2	0.08	0.105	-	-31.2*	20	141	0
1260-5 #2	0.059	0.072	-	-22*	20	131	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2025\251130a\
Data File : P2251130a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Nov 2025 12:27
Operator : pest2:emr
Sample : WG2147633-1,42,,+1660 RVT ICV pp12226 (Sig #1); +1660 RVT ICV pp12226 (Sig #2)
Misc : WG2147633,,ICAL22817
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 30 12:39:03 2025
Quant Method : I:\PCB\Pest2\2025\251130A\P2_PCB_11_07_25_iRVT_ICAL22817.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	^	1.000	1.000	0.0	113	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.250	1.132	9.4	96	0.00
3	s	Decachlorobiphenyl		1.040	0.882	15.2	96	0.00
4	l1	1016-1		0.021	0.023	-9.5	124	0.00
5	l1	1016-2		0.052	0.051	1.9	114	0.00
6	l1	1016-3		0.098	0.104	-6.1	115	0.00
7	l1	1016-4		0.041	0.044	-7.3	116	0.00
8	l1	1016-5		0.043	0.044	-2.3	118	0.00
9	l2	1260-1		0.061	0.066	-8.2	121	0.00
10	l2	1260-2		0.095	0.098	-3.2	113	0.00
11	l2	1260-3		0.048	0.064	-33.3#	143	0.00
12	l2	1260-4		0.103	0.135	-31.1#	137	0.00
13	l2	1260-5		0.080	0.097	-21.3#	133	0.00
52	i	1660_1br2nb #2	^	1.000	1.000	0.0	102	0.00
53	s	2,4,5,6-Tetrachloro-m-xylen		1.122	0.976	13.0	85	0.00
54	s	Decachlorobiphenyl #2	*	25.000	22.037	11.9	84	0.00
55	l1	1016-1 #2		0.020	0.019	5.0	104	0.00
56	l1	1016-2 #2		0.046	0.045	2.2	100	0.00
57	l1	1016-3 #2		0.091	0.085	6.6	98	0.00
58	l1	1016-4 #2		0.036	0.034	5.6	100	0.00
59	l1	1016-5 #2		0.029	0.026	10.3	100	0.00
60	l2	1260-1 #2		0.053	0.045	15.1	90	0.00
61	l2	1260-2 #2		0.061	0.059	3.3	109	0.00
62	l2	1260-3 #2		0.044	0.052	-18.2	133	0.00
63	l2	1260-4 #2		0.080	0.105	-31.2#	141	0.00
64	l2	1260-5 #2		0.059	0.072	-22.0#	131	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2025\251130a\
Data File : P2251130a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 30 Nov 2025 12:27
Operator : pest2:emr
Sample   : WG2147633-1,42,,+1660 RVT ICV pp12226 (Sig #1); +1660 RVT ICV pp12226 (Sig #2)
Misc   : WG2147633,,ICAL22817
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 30 12:39:03 2025
Quant Method : I:\PCB\Pest2\2025\251130A\P2_PCB_11_07_25_iRVT_ICAL22817.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251130a\
Data File : P2251130a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Nov 2025 12:27
Operator : pest2:emr
Sample : WG2147633-1,42,,+1660 RVT ICV pp12226 (Sig #1); +1660 RVT ICV pp12226 (Sig #2)
Misc : WG2147633,,ICAL22817
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 30 12:39:03 2025
Quant Method : I:\PCB\Pest2\2025\251130A\P2_PCB_11_07_25_iRVT_ICAL22817.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.170	1.223	364.4E6	567.9E6	25.000M4	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.450	1.586	412.3E6	554.3E6	22.625	21.748
	Spiked Amount 50.000	Range 30 - 150		Recovery =		45.25%	43.50%
3) s	Decachlorobi	3.999	4.472	321.3E6	305.3E6	21.190	22.037
	Spiked Amount 50.000	Range 30 - 150		Recovery =		42.38%	44.07%
	Target Compounds						
4) l1	1016-1	1.586	1.781	83854914	106.2E6	276.202	236.693
5) l1	1016-2	1.725	1.949	185.5E6	255.3E6	245.303	244.699
6) l1	1016-3	1.912	2.144	379.8E6	485.3E6	264.811	234.384
7) l1	1016-4	1.966	2.204	159.1E6	192.3E6	263.290	234.470
8) l1	1016-5	2.134	2.411	161.4E6	147.9E6	258.656	227.175
	Sum 1016-1			969.7E6	1187.0E6	1308.262	1177.422
Average	1016-1					261.652	235.484
9) l2	1260-1	2.672	3.012	241.0E6	254.8E6	271.746M4	211.185
10) l2	1260-2	2.801	3.113	356.8E6	334.5E6	258.285M4	240.543M4
11) l2	1260-3	3.115	3.501	233.2E6	297.2E6	336.471	295.733
12) l2	1260-4	3.269	3.630	491.4E6	598.2E6	327.055M4	327.294
13) l2	1260-5	3.416	3.829	354.7E6	406.3E6	305.453M4	304.214
	Sum 1260-1			1677.1E6	1891.0E6	1499.011	1378.968
Average	1260-1					299.802	275.794
	Sum 1221-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251130a\
Data File : P2251130a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Nov 2025 12:27
Operator : pest2:emr
Sample : WG2147633-1,42,,+1660 RVT ICV pp12226 (Sig #1); +1660 RVT ICV pp12226 (Sig #2)
Misc : WG2147633,,ICAL22817
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 30 12:39:03 2025
Quant Method : I:\PCB\Pest2\2025\251130A\P2_PCB_11_07_25_iRVT_ICAL22817.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1221-1					0.000	0.000
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

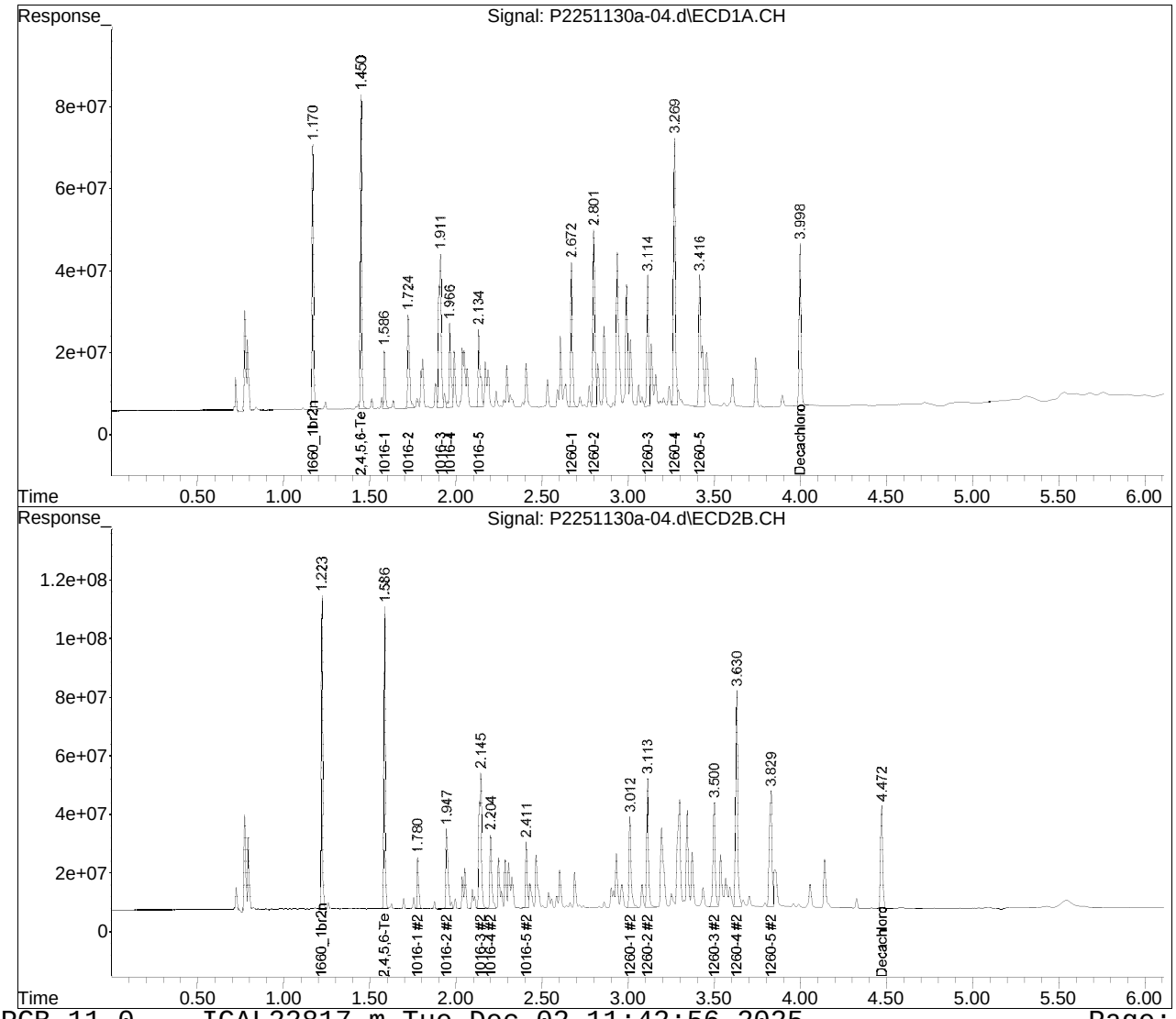
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660ation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251130a\
Data File : P2251130a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Nov 2025 12:27
Operator : pest2:emr
Sample : WG2147633-1,42,,+1660 RVT ICV pp12226 (Sig #1); +1660 RVT ICV pp12
Misc : WG2147633,,ICAL22817
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 30 12:39:03 2025
Quant Method : I:\PCB\Pest2\2025\251130A\P2_PCB_11_07_25_iRVT_ICAL22817.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

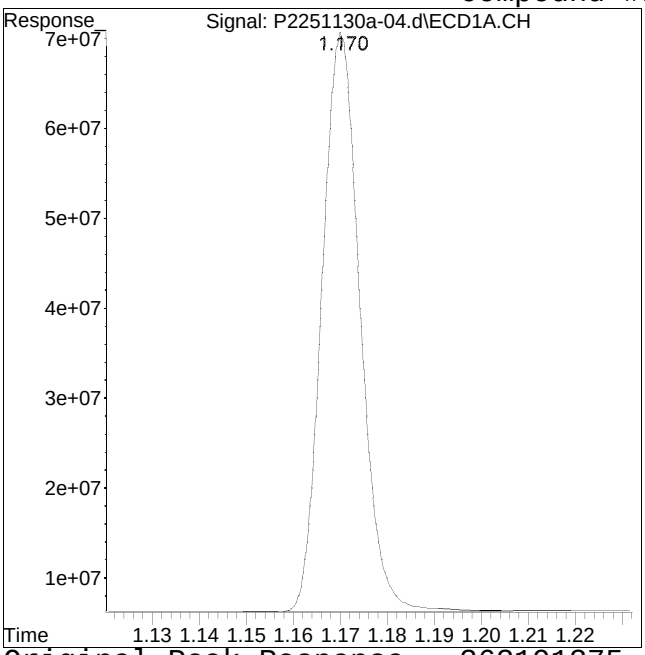
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

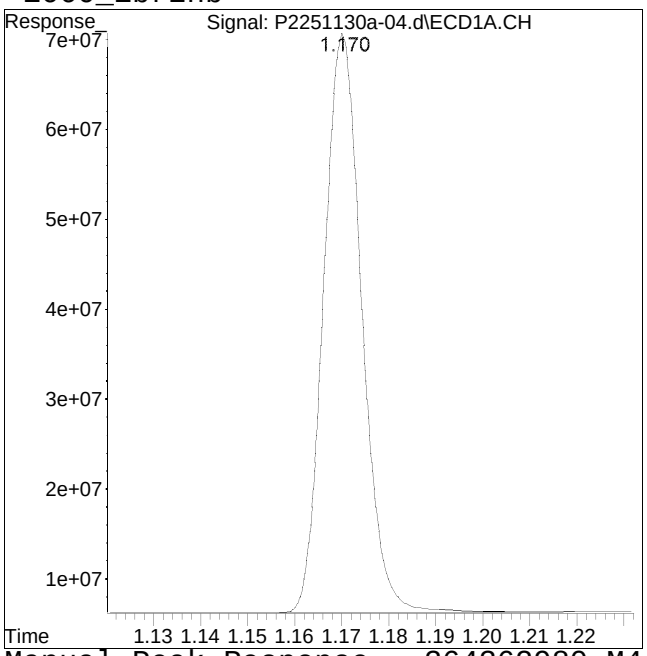


Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251130a\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251130a-04.d Operator : pest2:emr
Date Inj'd : 11/30/2025 12:27 Instrument : Pest 2
Sample : WG2147633-1,42,,+1660 RVT Quant Date : 11/30/2025 12:39 pm

Compound #1: 1660_1br2nb



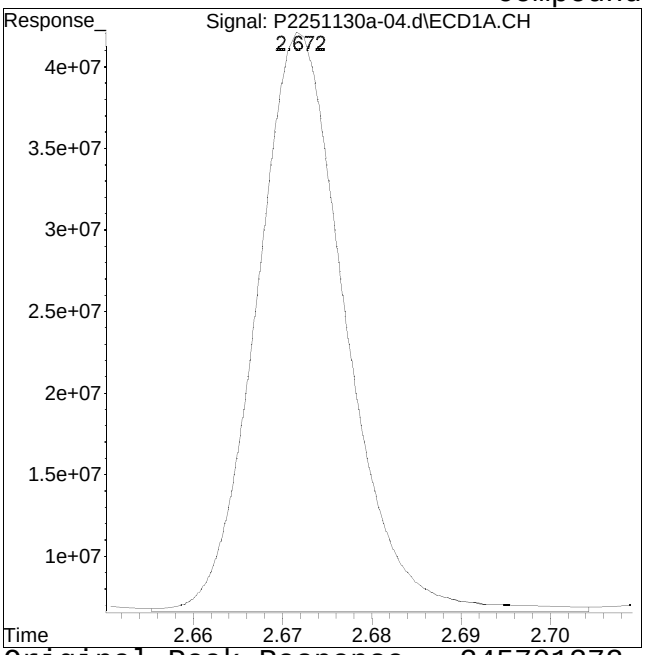


Original Peak Response = 363191375 Manual Peak Response = 364362980 M4
M4 = Poor automated baseline construction.

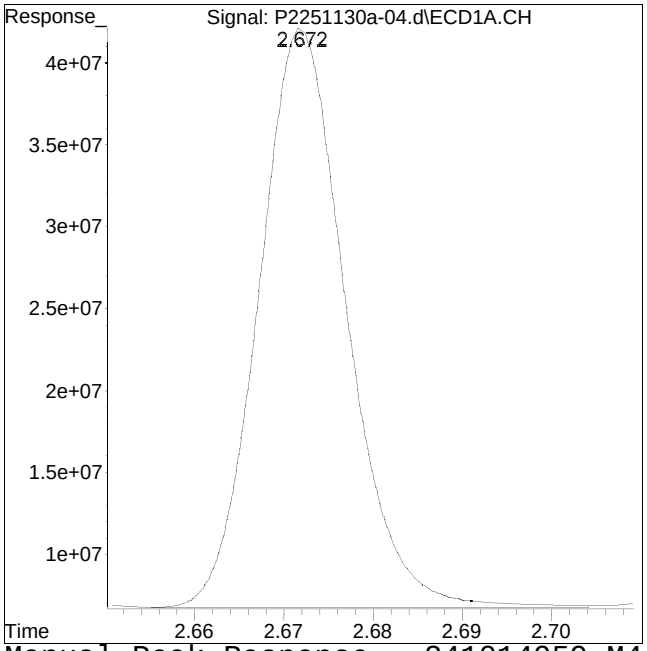
Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251130a\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251130a-04.d Operator : pest2:emr
Date Inj'd : 11/30/2025 12:27 Instrument : Pest 2
Sample : WG2147633-1,42,,+1660 RVT Quant Date : 11/30/2025 12:39 pm

Compound #9: 1260-1



Original Peak Response = 245701372



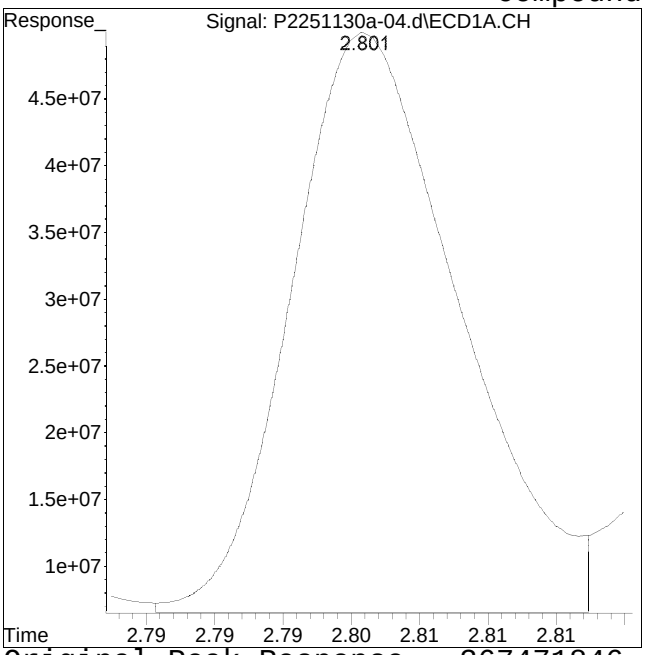
Manual Peak Response = 241014959 M4

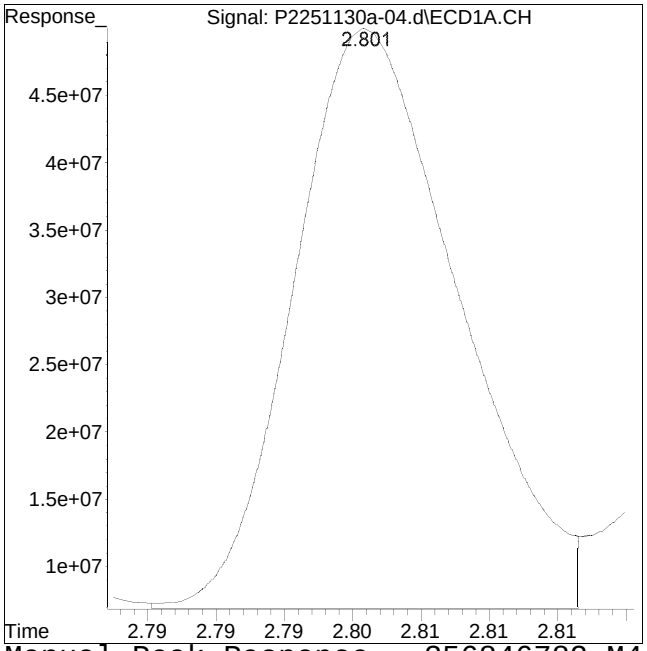
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251130a\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251130a-04.d Operator : pest2:emr
Date Inj'd : 11/30/2025 12:27 Instrument : Pest 2
Sample : WG2147633-1,42,,+1660 RVT Quant Date : 11/30/2025 12:39 pm

Compound #10: 1260-2



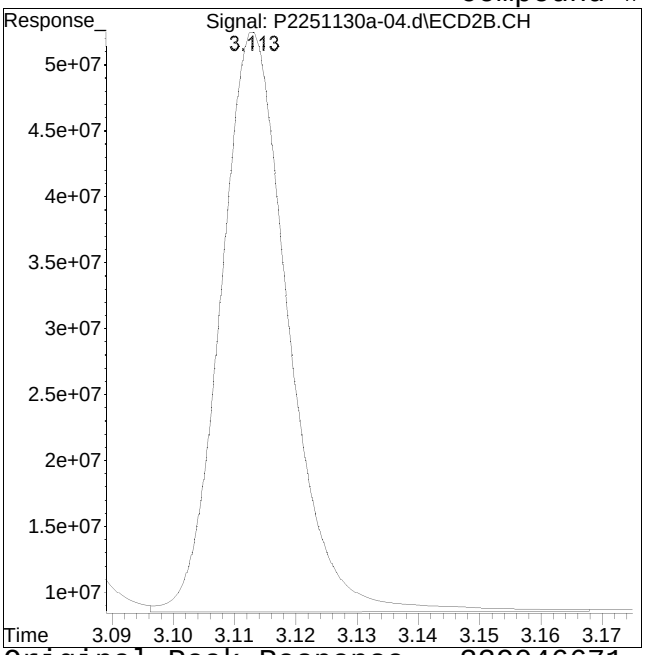


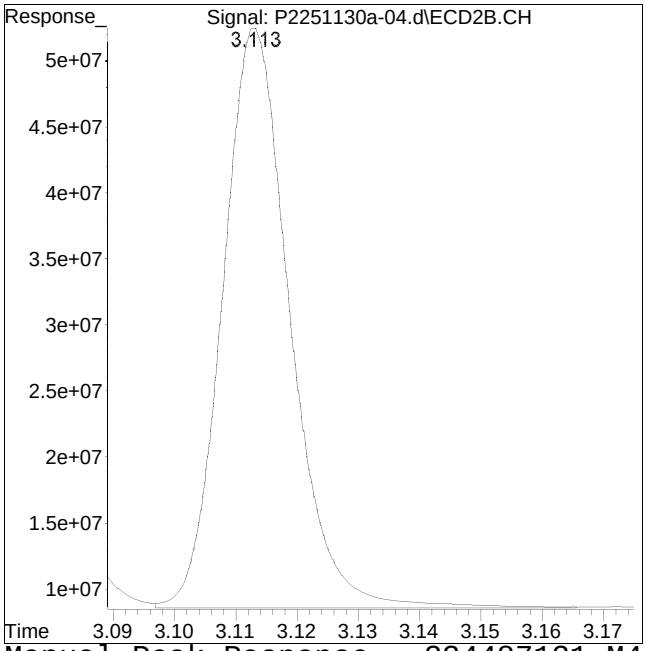
Original Peak Response = 367471846 Manual Peak Response = 356846782 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251130a\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251130a-04.d Operator : pest2:emr
Date Inj'd : 11/30/2025 12:27 Instrument : Pest 2
Sample : WG2147633-1,42,,+1660 RVT Quant Date : 11/30/2025 12:39 pm

Compound #61: 1260-2 #2



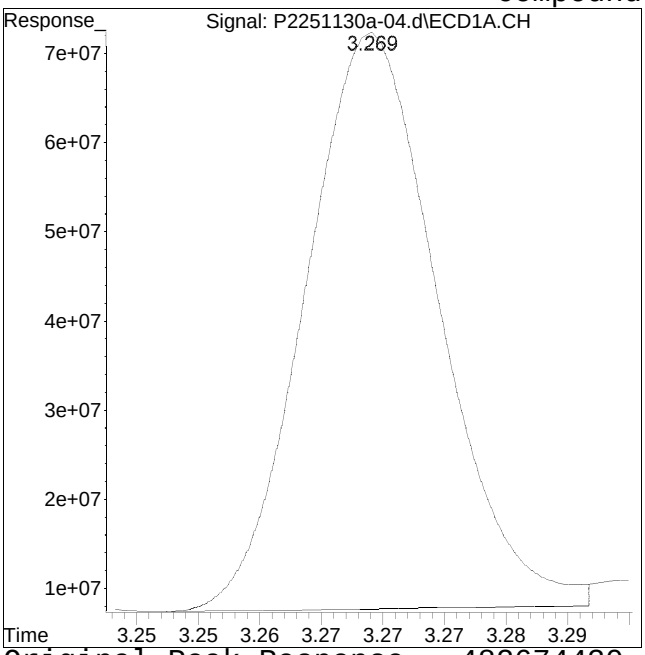


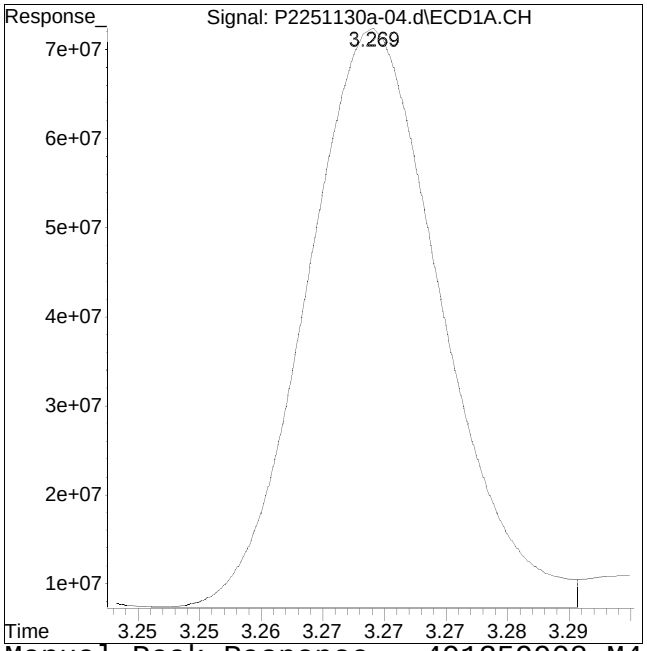
Original Peak Response = 339046671 Manual Peak Response = 334487131 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251130a\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251130a-04.d Operator : pest2:emr
Date Inj'd : 11/30/2025 12:27 Instrument : Pest 2
Sample : WG2147633-1,42,,+1660 RVT Quant Date : 11/30/2025 12:39 pm

Compound #12: 1260-4



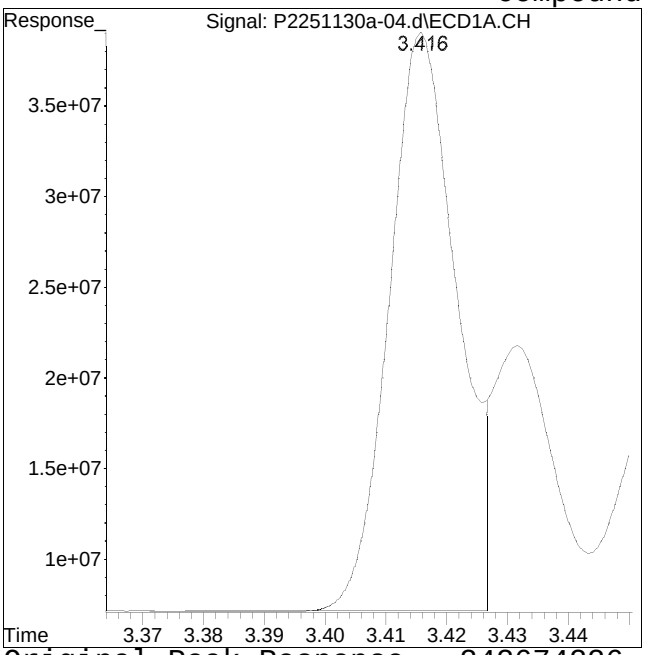


Original Peak Response = 482674430 Manual Peak Response = 491359908 M4
M4 = Poor automated baseline construction.

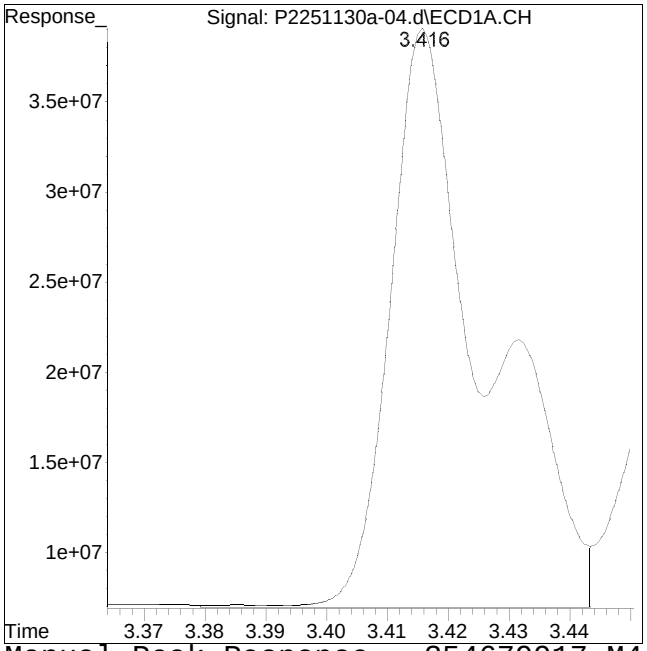
Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251130a\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251130a-04.d Operator : pest2:emr
Date Inj'd : 11/30/2025 12:27 Instrument : Pest 2
Sample : WG2147633-1,42,,+1660 RVT Quant Date : 11/30/2025 12:39 pm

Compound #13: 1260-5



Original Peak Response = 242674226



Manual Peak Response = 354679917 M4

M4 = Poor automated baseline construction.

RT Shift Summary

Identification Summary
Form 10
PCBs

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2575576**
Project Name	**: 1000 TURK HILL RD GWS**	**Project Number**	**: 3113.0001Y000**

No Detections Found

Aroclor Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251130a\
Data File : P2251130a-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Nov 2025 13:58
Operator : pest2:sdc
Sample : WG2147434-1,42,,
Misc : WG2147633,WG2147434,ICAL22817
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 30 18:24:29 2025
Quant Method : I:\PCB\Pest2\2025\251130A\P2_PCB_11_07_25_iRVT_ICAL22817.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2025\251130a\P2251130a-04.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.175	1.223	460.6E6	617.1E6	25.000	25.000
	Standard Area 1 : #1 = 364362980				Recovery =	126.40%	
	Standard Area 1 : #2 = 567924363				Recovery =	108.65%	
14) i	2154_1br2nb	1.175	1.223	460.6E6	617.1E6	25.000	25.000
23) i	4268_1br2nb	1.175	1.223	460.6E6	617.1E6	25.000	25.000
34) i	1248_1br2nb	1.175	1.223	460.6E6	617.1E6	25.000	25.000
40) i	3262_1br2nb	1.175	1.223	460.6E6	617.1E6	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.457	1.587	788.3E6	1091.5E6	34.222	39.416
	Spiked Amount 50.000	Range 30 - 150		Recovery =		68.44%	78.83%
3) s	Decachlorobi	4.016	4.480	661.9E6	773.1E6	34.533M4	52.046
	Spiked Amount 50.000	Range 30 - 150		Recovery =		69.07%	104.09%
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1	1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1	1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1	1016-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1016-1			0	0	N.D.	N.D.
Average	1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2	1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2	1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2	1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2	1260-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1260-1			0	0	N.D.	N.D.
Average	1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251130a\
Data File : P2251130a-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Nov 2025 13:58
Operator : pest2:sdc
Sample : WG2147434-1,42,,
Misc : WG2147633,WG2147434,ICAL22817
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 30 18:24:29 2025
Quant Method : I:\PCB\Pest2\2025\251130A\P2_PCB_11_07_25_iRVT_ICAL22817.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2025\251130a\P2251130a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) l3 1221-1	0.000	0.000	0	0	N.D.	N.D.
16) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) l4 1254-2	0.000	0.000	0	0	N.D.	N.D.
20) l4 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) l4 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) l4 1254-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) l6 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) l6 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) l6 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9 1268-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) l7 1248-1	0.000	0.000	0	0	N.D.	N.D.

Data Path : I:\PCB\Pest2\2025\251130a\
Data File : P2251130a-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Nov 2025 13:58
Operator : pest2:sdc
Sample : WG2147434-1,42,,
Misc : WG2147633,WG2147434,ICAL22817
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 30 18:24:29 2025
Quant Method : I:\PCB\Pest2\2025\251130A\P2_PCB_11_07_25_iRVT_ICAL22817.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2025\251130a\P2251130a-04.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D.	N.D.
38) l7	1248-4	0.000	0.000	0	0	N.D.	N.D.
39) l7	1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D.	N.D.
43) l5	1232-3	0.000	0.000	0	0	N.D.	N.D.
44) l5	1232-4	0.000	0.000	0	0	N.D.	N.D.
45) l5	1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D.	N.D.
47) l8	1262-2	0.000	0.000	0	0	N.D.	N.D.
48) l8	1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8	1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8	1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251130a\
Data File : P2251130a-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Nov 2025 13:58
Operator : pest2:sdc
Sample : WG2147434-1,42,,
Misc : WG2147633,WG2147434,ICAL22817
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 30 18:24:29 2025
Quant Method : I:\PCB\Pest2\2025\251130A\P2_PCB_11_07_25_iRVT_ICAL22817.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2025\251130a\P2251130a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

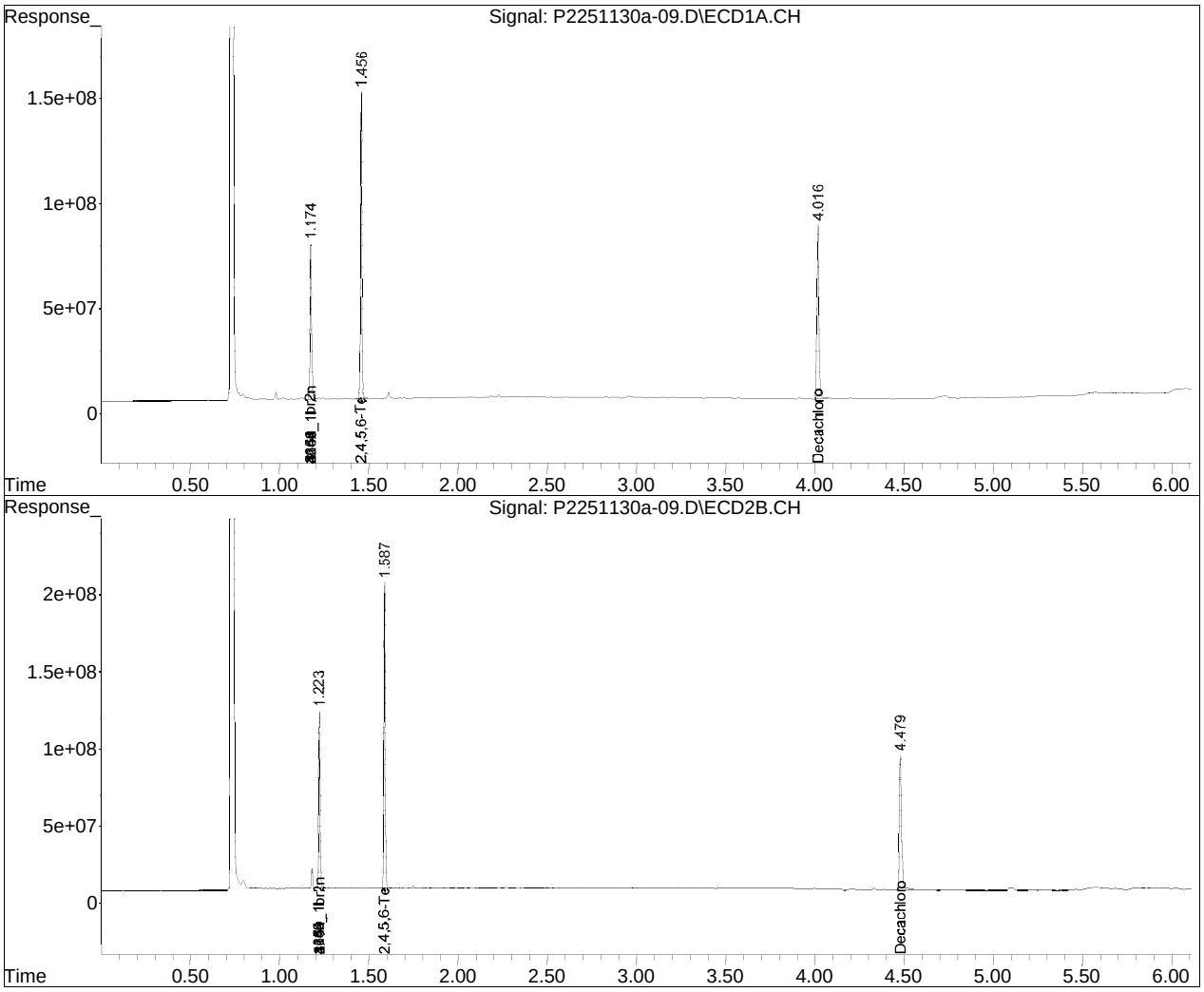
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedP2251130a-04.D•

Data Path : I:\PCB\Pest2\2025\251130a\
Data File : P2251130a-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Nov 2025 13:58
Operator : pest2:sdc
Sample : WG2147434-1,42,,
Misc : WG2147633,WG2147434,ICAL22817
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 30 18:24:29 2025
Quant Method : I:\PCB\Pest2\2025\251130A\P2_PCB_11_07_25_iRVT_ICAL22817.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

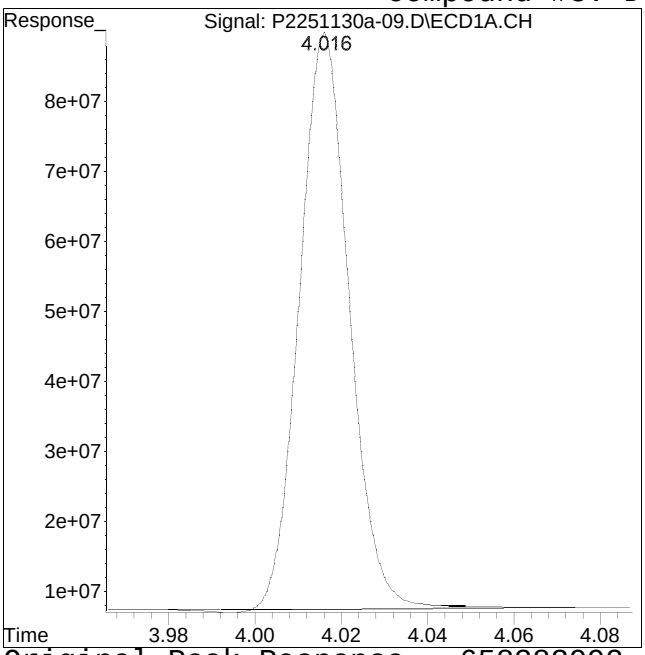
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

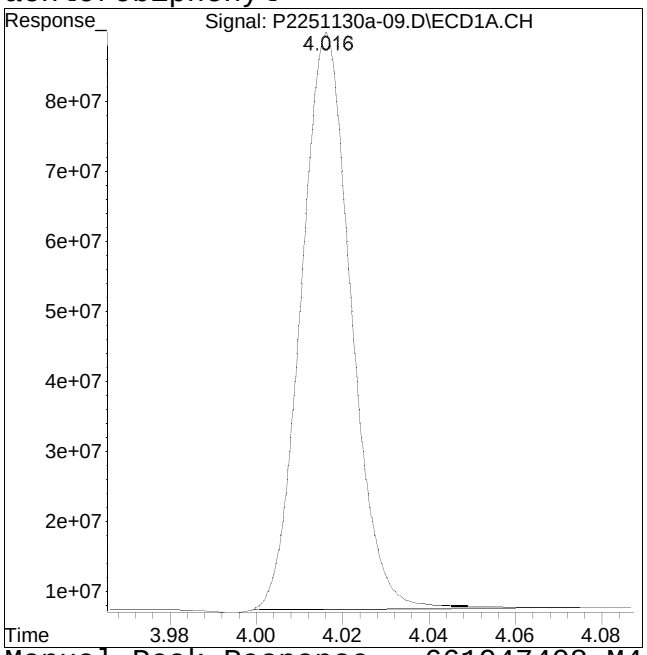


Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251130a\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251130a-09.D Operator : pest2:sdc
Date Inj'd : 11/30/2025 13:58 Instrument : Pest 2
Sample : WG2147434-1,42,, Quant Date : 11/30/2025 6:24 pm

Compound #3: Decachlorobiphenyl





Original Peak Response = 658383992 Manual Peak Response = 661947408 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251130a\
Data File : P2251130a-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Nov 2025 14:08
Operator : pest2:sdc
Sample : WG2147434-2,42,,
Misc : WG2147633,WG2147434,ICAL22817
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 30 18:24:32 2025
Quant Method : I:\PCB\Pest2\2025\251130A\P2_PCB_11_07_25_iRVT_ICAL22817.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2025\251130a\P2251130a-04.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.171	1.223	479.4E6	662.5E6	25.000	25.000
Standard Area 1 : #1 = 364362980				Recovery =	131.57%	
Standard Area 1 : #2 = 567924363				Recovery =	116.66%	
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.450	1.586	832.8E6	1131.4E6	34.730	38.053
Spiked Amount 50.000	Range 30 - 150		Recovery =		69.46%	76.11%
3) s Decachlorobi	4.001	4.473	660.4E6	790.6E6	33.101M3	49.547M3
Spiked Amount 50.000	Range 30 - 150		Recovery =		66.20%	99.09%
Target Compounds						
4) l1 1016-1	1.587	1.780	69593262	94914151	174.223	181.329M3
5) l1 1016-2	1.726	1.949	168.9E6	224.1E6	169.762	184.136
6) l1 1016-3	1.912	2.144	334.2E6	433.3E6	177.128	179.392
7) l1 1016-4	1.966	2.204	143.3E6	175.7E6	180.234M1	183.636
8) l1 1016-5	2.135	2.412	150.6E6	137.3E6	183.476	180.769
Sum 1016-1			866.7E6	1065.3E6	884.822	909.262
Average 1016-1					176.964	181.852
9) l2 1260-1	2.674	3.012	221.1E6	268.0E6	189.434	190.445
10) l2 1260-2	2.803	3.114	342.6E6	325.4E6	188.451	200.577
11) l2 1260-3	3.117	3.502	227.2E6	292.2E6	249.148	249.226
12) l2 1260-4	3.272	3.631	491.0E6	599.1E6	248.412	280.992
13) l2 1260-5	3.419	3.829	343.4E6	418.1E6	224.770M1	268.364
Sum 1260-1			1625.2E6	1902.9E6	1100.215	1189.603
Average 1260-1					220.043	237.921

Data Path : I:\PCB\Pest2\2025\251130a\
Data File : P2251130a-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Nov 2025 14:08
Operator : pest2:sdc
Sample : WG2147434-2,42,,
Misc : WG2147633,WG2147434,ICAL22817
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 30 18:24:32 2025
Quant Method : I:\PCB\Pest2\2025\251130A\P2_PCB_11_07_25_iRVT_ICAL22817.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2025\251130a\P2251130a-04.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

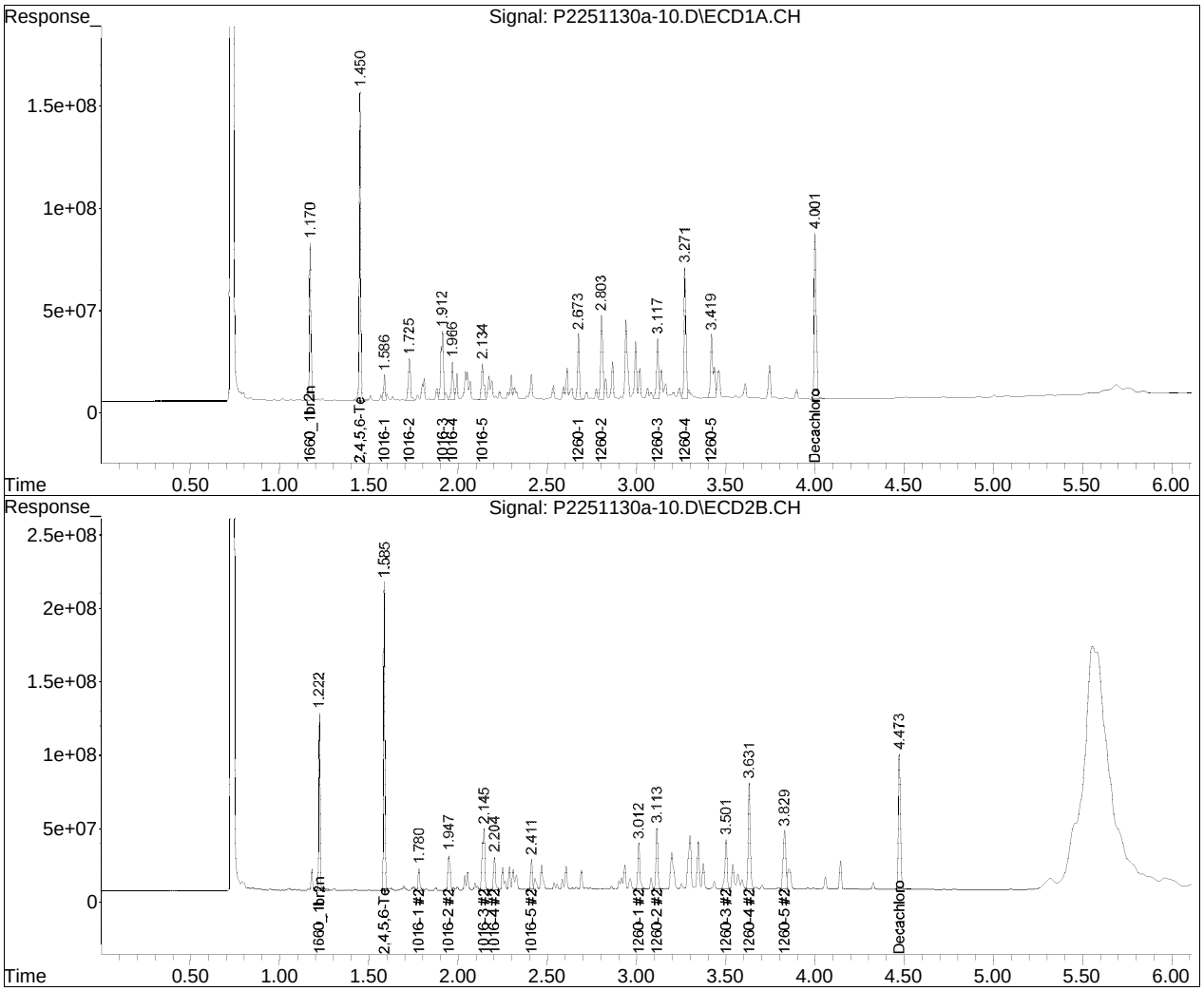
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660Pest2\2025\251130a\P2251130a-04.D•

Data Path : I:\PCB\Pest2\2025\251130a\
Data File : P2251130a-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Nov 2025 14:08
Operator : pest2:sdc
Sample : WG2147434-2,42,,
Misc : WG2147633,WG2147434,ICAL22817
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 30 18:24:32 2025
Quant Method : I:\PCB\Pest2\2025\251130A\P2_PCB_11_07_25_iRVT_ICAL22817.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

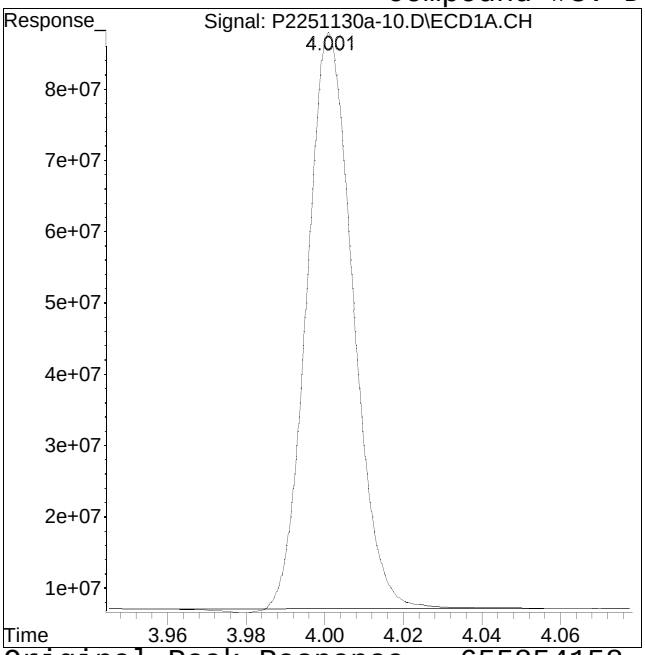
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

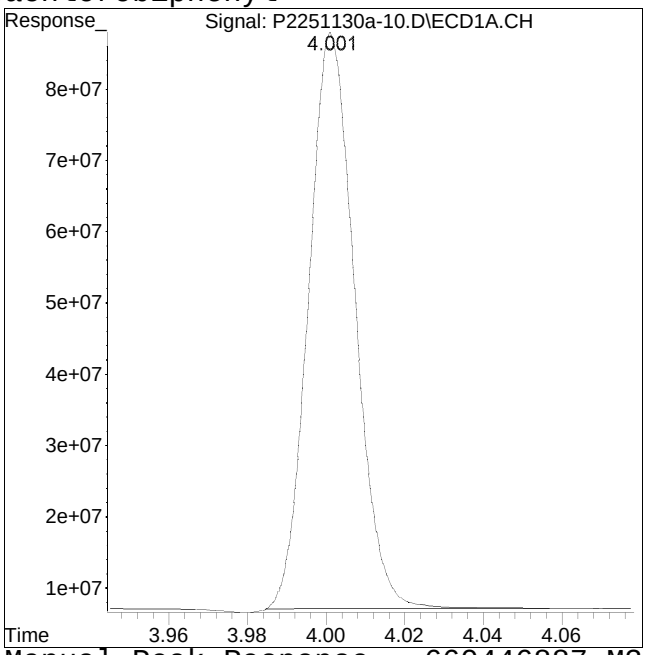


Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251130a\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251130a-10.D Operator : pest2:sdc
Date Inj'd : 11/30/2025 14:08 Instrument : Pest 2
Sample : WG2147434-2,42,, Quant Date : 11/30/2025 6:24 pm

Compound #3: Decachlorobiphenyl



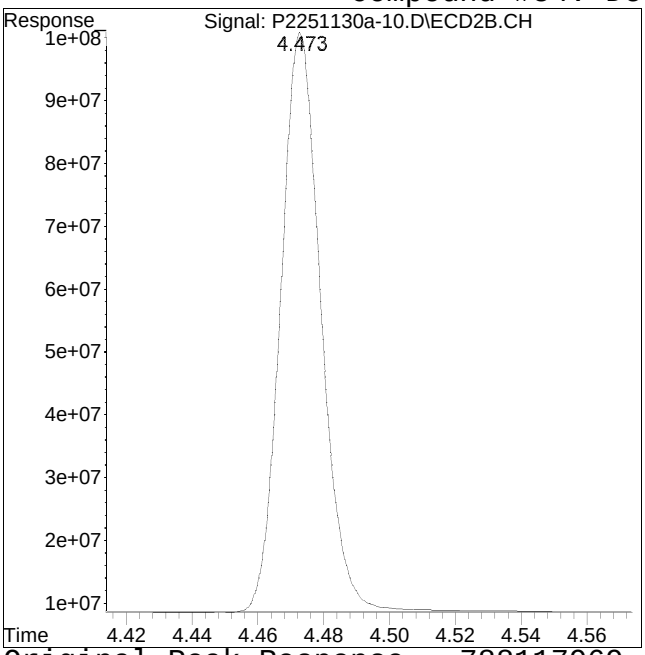


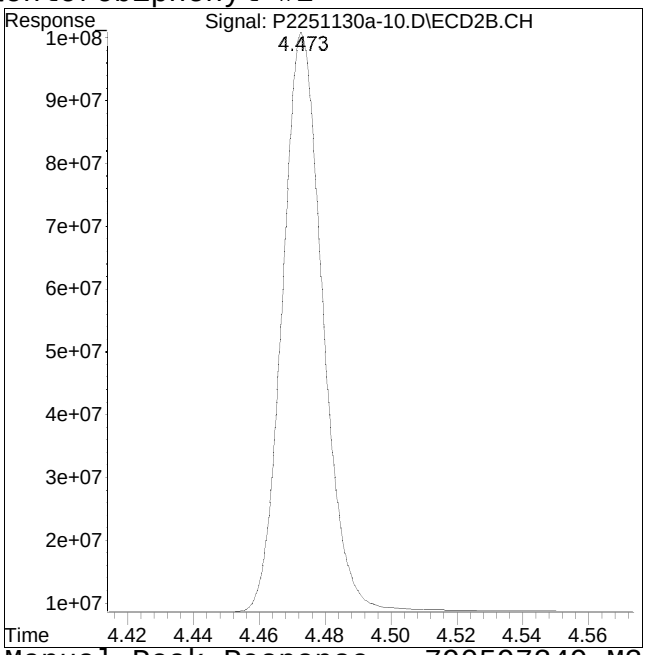
Original Peak Response = 655854158 Manual Peak Response = 660446887 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251130a\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251130a-10.D Operator : pest2:sdc
Date Inj'd : 11/30/2025 14:08 Instrument : Pest 2
Sample : WG2147434-2,42,, Quant Date : 11/30/2025 6:24 pm

Compound #54: Decachlorobiphenyl #2



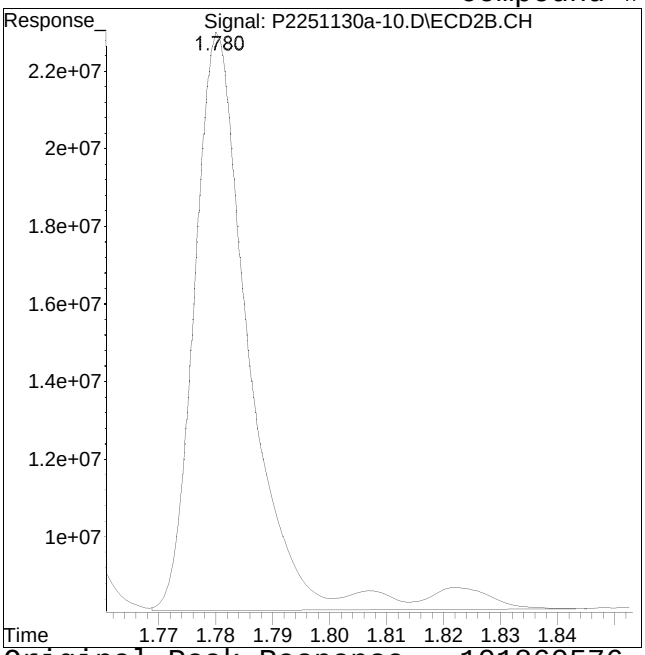


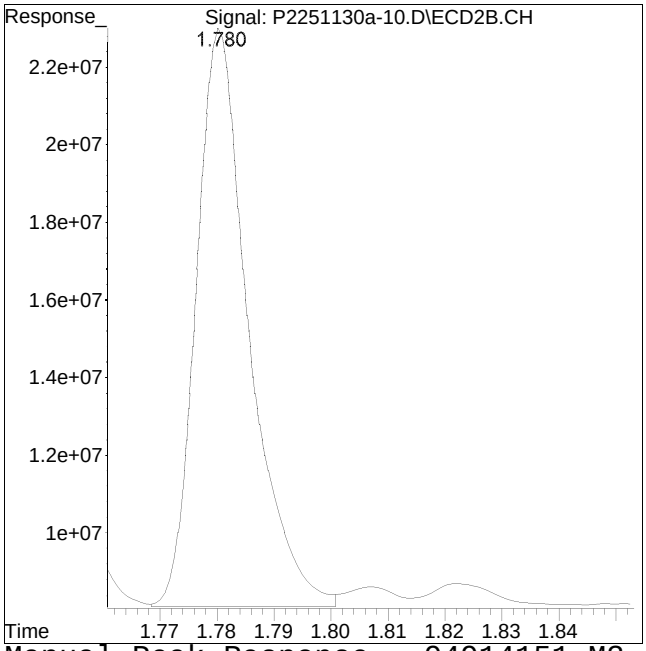
Original Peak Response = 788117969 Manual Peak Response = 790597349 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251130a\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251130a-10.D Operator : pest2:sdc
Date Inj'd : 11/30/2025 14:08 Instrument : Pest 2
Sample : WG2147434-2,42,, Quant Date : 11/30/2025 6:24 pm

Compound #55: 1016-1 #2





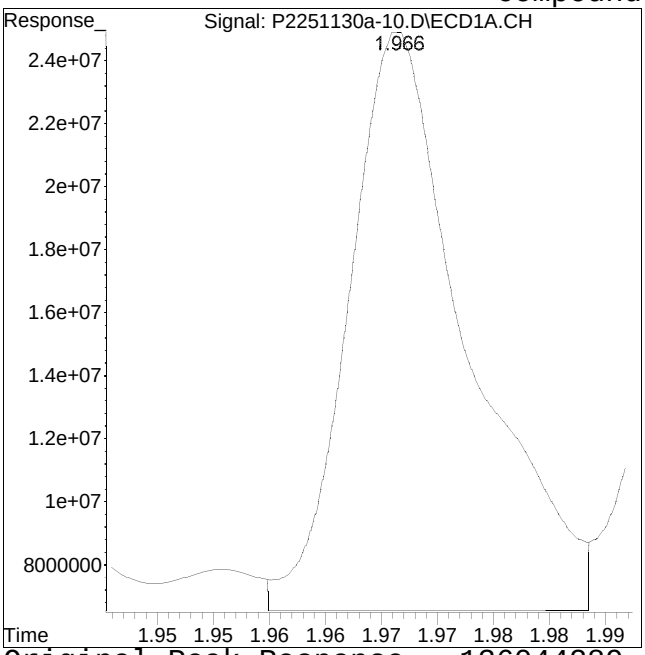
Original Peak Response = 101860576 Manual Peak Response = 94914151 M3

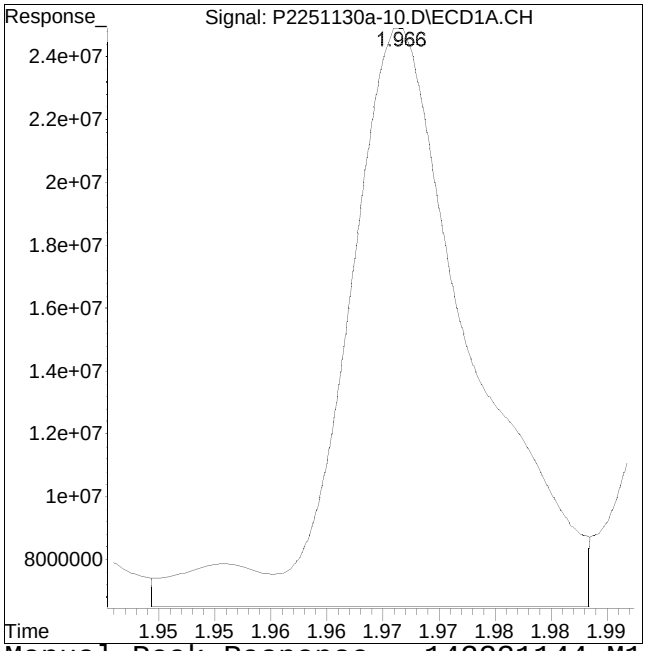
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251130a\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251130a-10.D Operator : pest2:sdc
Date Inj'd : 11/30/2025 14:08 Instrument : Pest 2
Sample : WG2147434-2,42,, Quant Date : 11/30/2025 6:24 pm

Compound #7: 1016-4



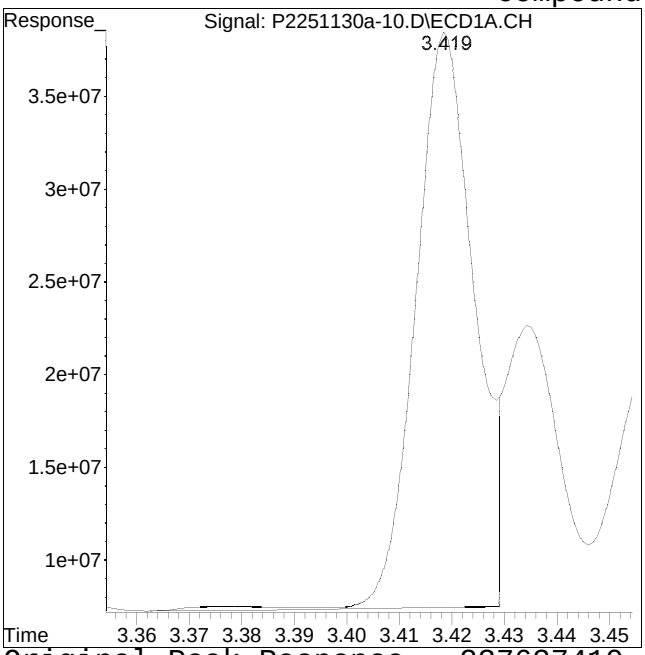


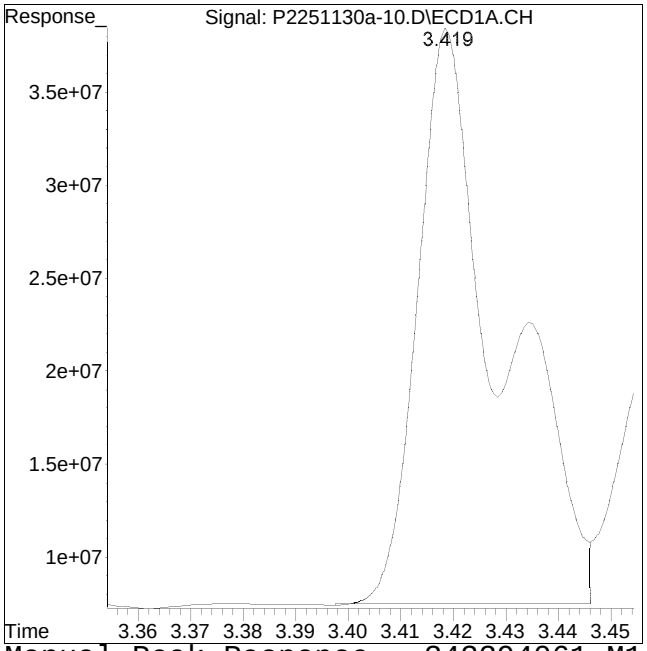
Original Peak Response = 136044289 Manual Peak Response = 143331144 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251130a\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251130a-10.D Operator : pest2:sdc
Date Inj'd : 11/30/2025 14:08 Instrument : Pest 2
Sample : WG2147434-2,42,, Quant Date : 11/30/2025 6:24 pm

Compound #13: 1260-5





Original Peak Response = 237637410 Manual Peak Response = 343394061 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251130a\
Data File : P2251130a-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Nov 2025 14:17
Operator : pest2:sdc
Sample : WG2147434-3,42,,
Misc : WG2147633,WG2147434,ICAL22817
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 30 18:24:35 2025
Quant Method : I:\PCB\Pest2\2025\251130A\P2_PCB_11_07_25_iRVT_ICAL22817.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2025\251130a\P2251130a-04.D
Sub List : 1660 - 1660

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.171	1.224	496.8E6	691.1E6	25.000	25.000
	Standard Area 1 : #1 = 364362980				Recovery =	136.36%	
	Standard Area 1 : #2 = 567924363				Recovery =	121.70%	
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.450	1.586	828.6E6	1128.8E6	33.342	36.393
	Spiked Amount 50.000	Range 30 - 150		Recovery =		66.68%	72.79%
3) s	Decachlorobi	4.000	4.473	671.7E6	737.2E6	32.486M3	44.235M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		64.97%	88.47%
	Target Compounds						
4) l1	1016-1	1.587	1.781	70529935	94155480	170.372	172.434M3
5) l1	1016-2	1.726	1.949	169.4E6	227.8E6	164.263	179.397
6) l1	1016-3	1.912	2.145	338.6E6	446.9E6	173.114	177.365
7) l1	1016-4	1.967	2.205	144.1E6	178.0E6	174.891	178.318
8) l1	1016-5	2.135	2.412	152.4E6	141.2E6	179.143	178.265
	Sum 1016-1			875.0E6	1088.0E6	861.783	885.779
	Average 1016-1					172.357	177.156
9) l2	1260-1	2.673	3.012	226.0E6	276.9E6	186.883	188.583M3
10) l2	1260-2	2.803	3.114	351.2E6	338.8E6	186.437	200.208
11) l2	1260-3	3.116	3.502	225.3E6	296.9E6	238.393	242.739
12) l2	1260-4	3.270	3.631	491.4E6	589.1E6	239.892M3	264.864
13) l2	1260-5	3.417	3.830	363.6E6	426.4E6	229.663M1	262.361
	Sum 1260-1			1657.6E6	1928.1E6	1081.267	1158.754
	Average 1260-1					216.253	231.751

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2025\251130a\
Data File : P2251130a-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Nov 2025 14:17
Operator : pest2:sdc
Sample : WG2147434-3,42,,
Misc : WG2147633,WG2147434,ICAL22817
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 30 18:24:35 2025
Quant Method : I:\PCB\Pest2\2025\251130A\P2_PCB_11_07_25_iRVT_ICAL22817.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2025\251130a\P2251130a-04.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

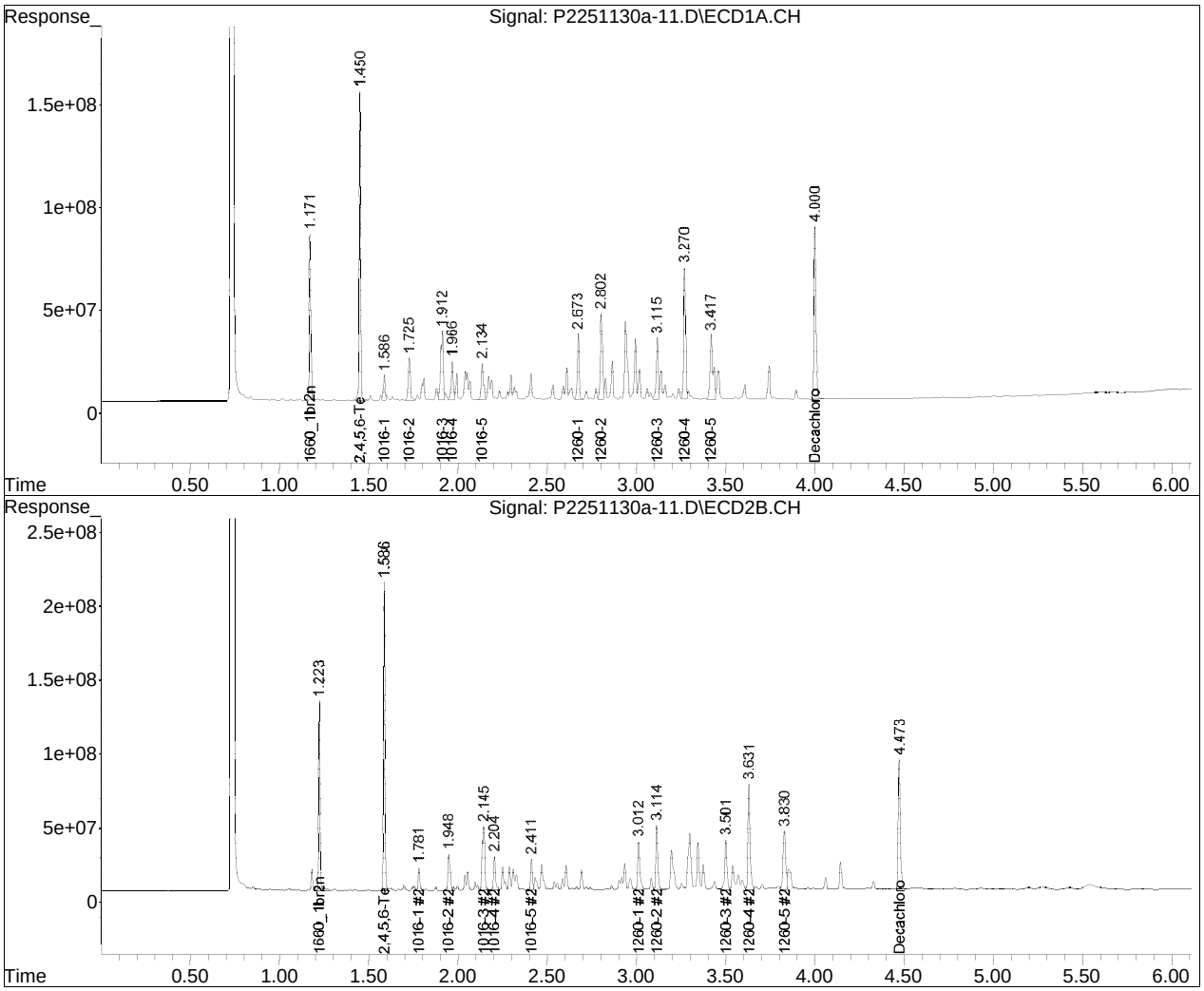
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660Pest2\2025\251130a\P2251130a-04.D•

Data Path : I:\PCB\Pest2\2025\251130a\
Data File : P2251130a-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Nov 2025 14:17
Operator : pest2:sdc
Sample : WG2147434-3,42,,
Misc : WG2147633,WG2147434,ICAL22817
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 30 18:24:35 2025
Quant Method : I:\PCB\Pest2\2025\251130A\P2_PCB_11_07_25_iRVT_ICAL22817.m
Quant Title : pcb
QLast Update : Thu Nov 13 17:31:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

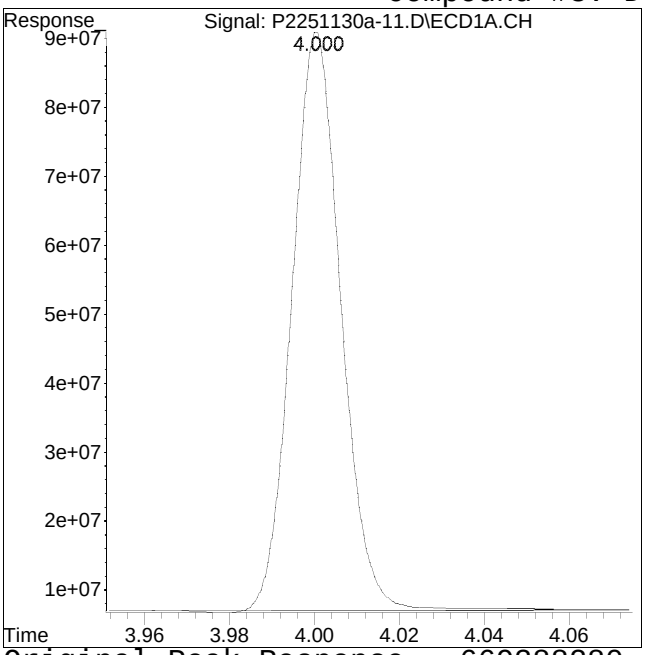
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

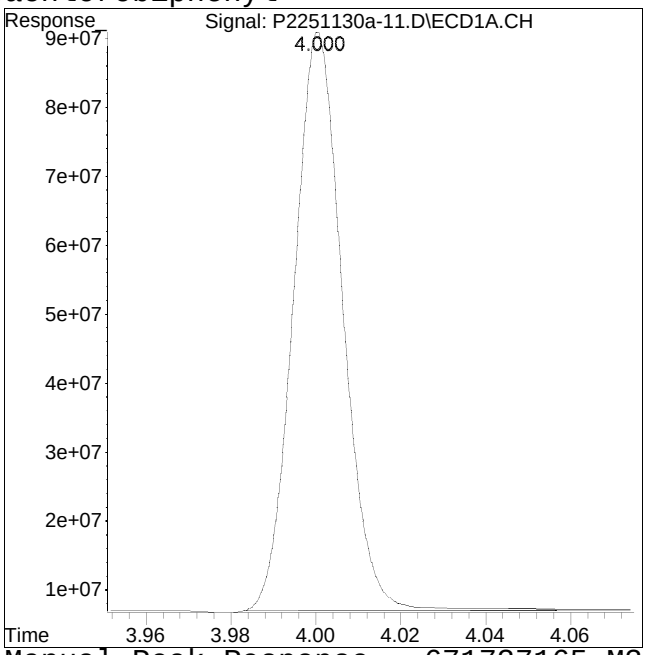


Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251130a\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251130a-11.D Operator : pest2:sdc
Date Inj'd : 11/30/2025 14:17 Instrument : Pest 2
Sample : WG2147434-3,42,, Quant Date : 11/30/2025 6:24 pm

Compound #3: Decachlorobiphenyl



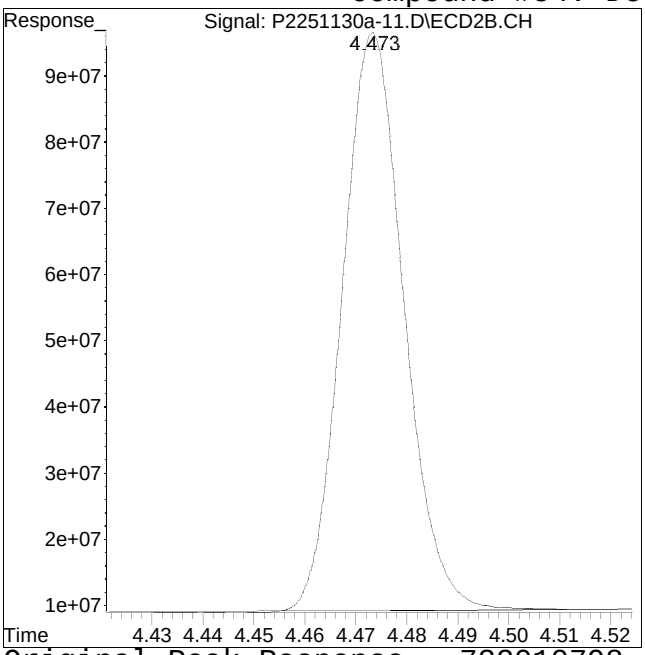


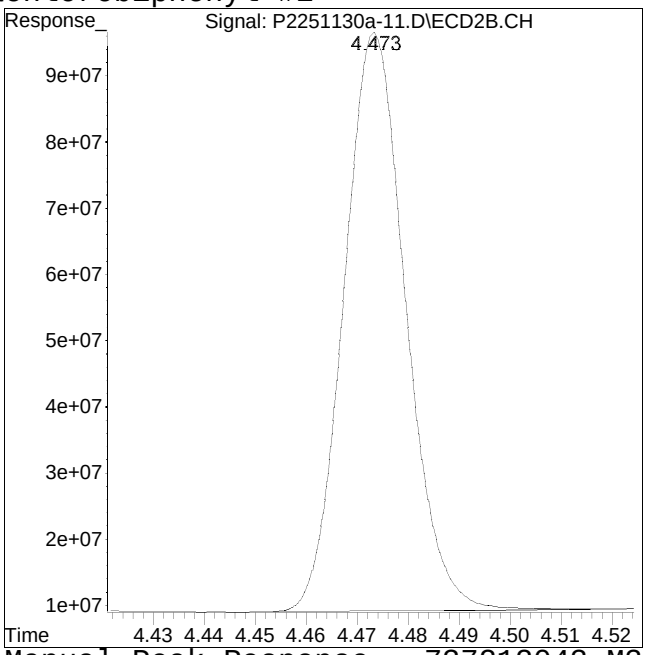
Original Peak Response = 669388280 Manual Peak Response = 671737165 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251130a\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251130a-11.D Operator : pest2:sdc
Date Inj'd : 11/30/2025 14:17 Instrument : Pest 2
Sample : WG2147434-3,42,, Quant Date : 11/30/2025 6:24 pm

Compound #54: Decachlorobiphenyl #2



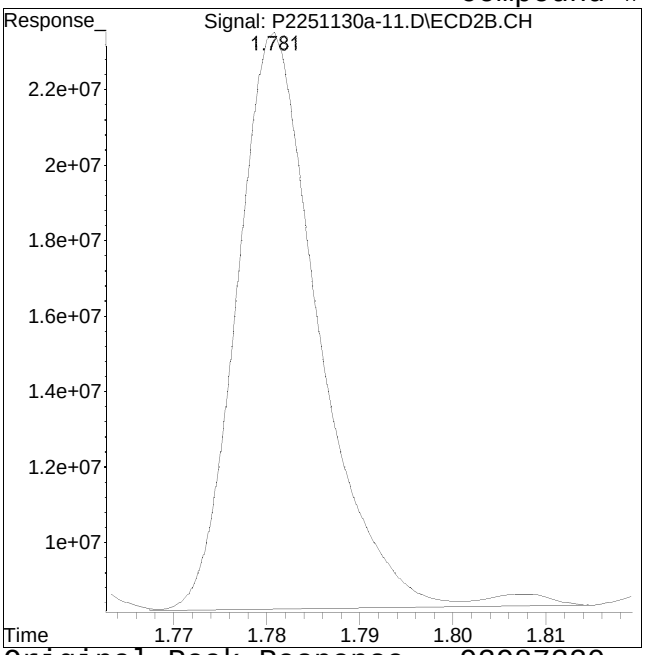


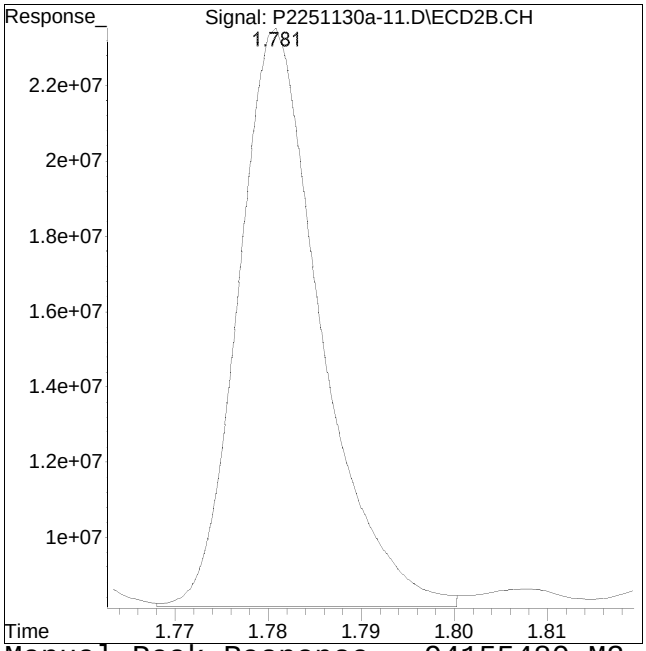
Original Peak Response = 732010798 Manual Peak Response = 737212043 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251130a\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251130a-11.D Operator : pest2:sdc
Date Inj'd : 11/30/2025 14:17 Instrument : Pest 2
Sample : WG2147434-3,42,, Quant Date : 11/30/2025 6:24 pm

Compound #55: 1016-1 #2



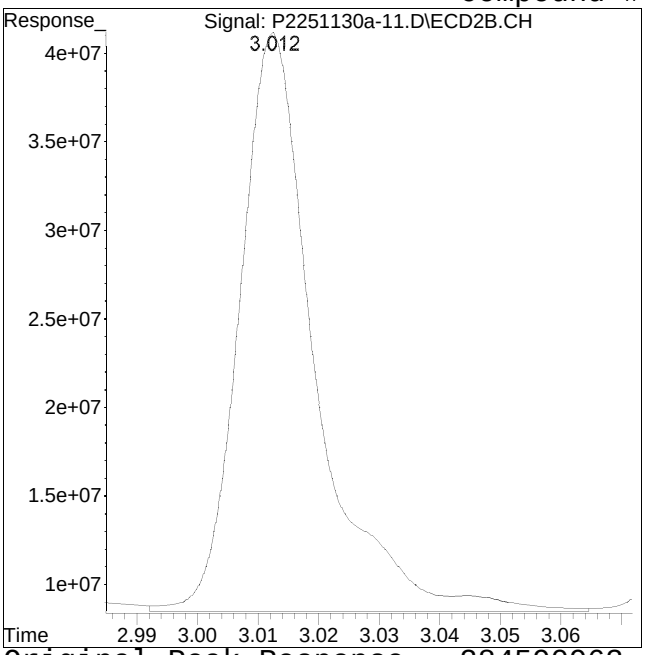


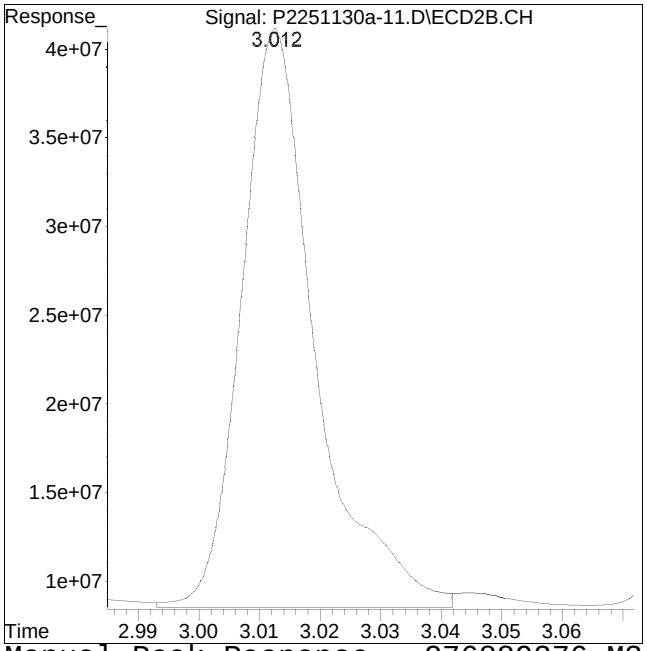
Original Peak Response = 93987330 Manual Peak Response = 94155480 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251130a\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251130a-11.D Operator : pest2:sdc
Date Inj'd : 11/30/2025 14:17 Instrument : Pest 2
Sample : WG2147434-3,42,, Quant Date : 11/30/2025 6:24 pm

Compound #60: 1260-1 #2



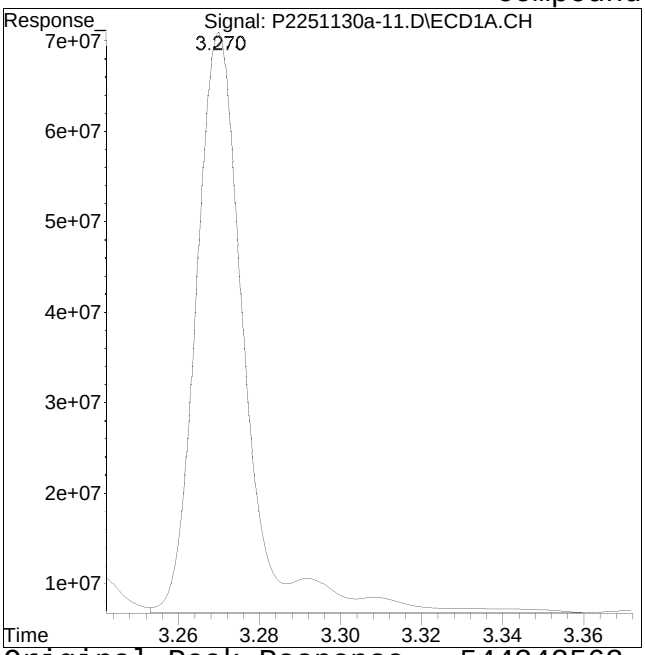


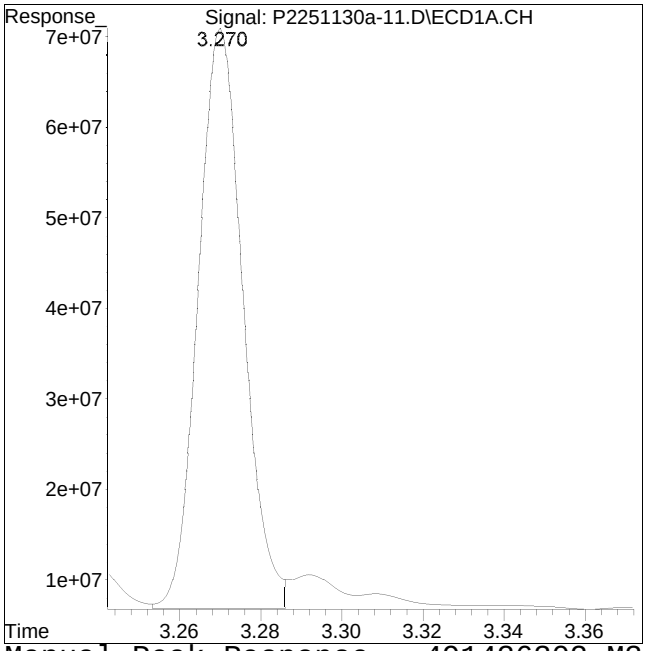
Original Peak Response = 284590963 Manual Peak Response = 276889276 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251130a\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251130a-11.D Operator : pest2:sdc
Date Inj'd : 11/30/2025 14:17 Instrument : Pest 2
Sample : WG2147434-3,42,, Quant Date : 11/30/2025 6:24 pm

Compound #12: 1260-4



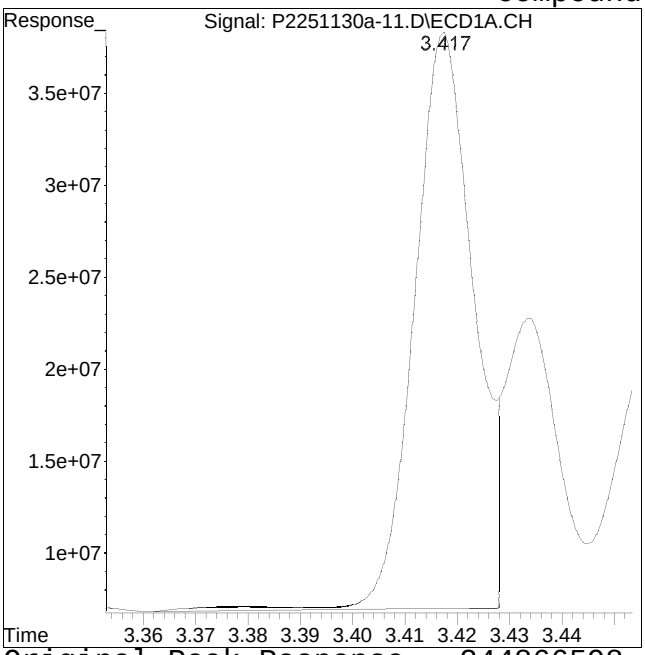


Original Peak Response = 544342563 Manual Peak Response = 491436302 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

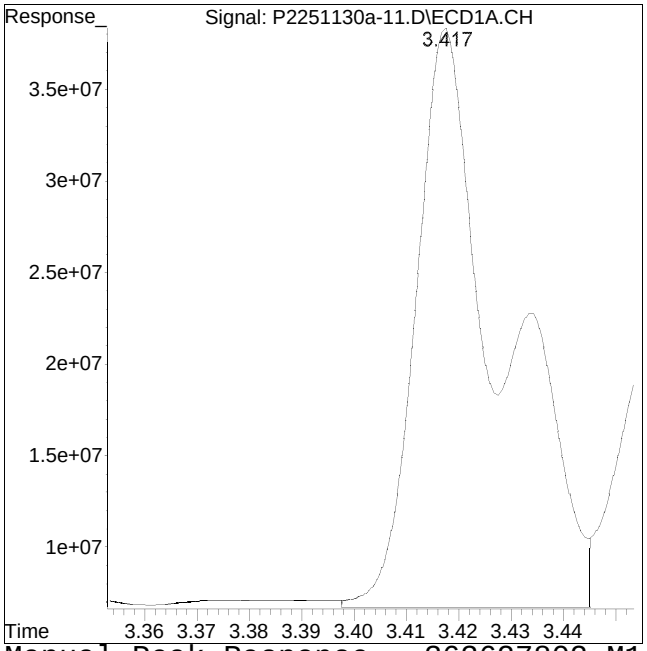
Manual Integration Report

Data Path : I:\PCB\Pest2\2025\251130a\QMethod : P2_PCB_11_07_25_iRVT_ICA
Data File : P2251130a-11.D Operator : pest2:sdc
Date Inj'd : 11/30/2025 14:17 Instrument : Pest 2
Sample : WG2147434-3,42,, Quant Date : 11/30/2025 6:24 pm

Compound #13: 1260-5



Original Peak Response = 244866598



Manual Peak Response = 363627802 M1

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

Calculation of PCB Aroclors & Pesticides

Aqueous Concentration Formula:
Amt * DF*(Vt/Vp)*(1000/Vo)*(Ve/1000)

Where:
DF = Dilution Factor
Vt = Extract Final Volume (mL)
Vp = Aliquot Cleaned (mL)
Vo = Volume of Sample (mL)
Ve = Extraction Lab Final Volume (mL)

Soil Concentration Formula:
Amt * DF * (Vt/Vp)*(1000/Wt)*(Ve/1000)* (100/TS)

Where:
DF = Dilution Factor
Vt = Extract Final Volume (mL)
Vp = Aliquot Cleaned (mL)
Wt = Weight of Sample (g)
Ve = Extraction Lab Final Volume (mL)
TS = Total Solids

Dep.: PCB
Inst: Pest_2
Date: **11/07/25**
Run: I

Method: 8082
GC: PCB RVT

Seq: WG2141877
ICAL22817 IS: pp12273

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	P2251107i-01	blank	Processed: sdc 11/13/25			
1	P2251107i-02	blank	Reviewed: ejl 11/13/25	built:sdc 11/14/25		
1	P2251107i-03	+1660 RVT ICV pp12226	actually an inst blank			
4	P2251107i-04	il94268,42e,,pp 12224 L250RVT				sdc11/13
5	P2251107i-05	il93262,42e,,pp 12225 L250RVT				sdc11/13
6	P2251107i-06	il91248,42e,,pp 12221 L250RVT				sdc11/13
7	P2251107i-07	il92154,42e,,pp 12223 L250RVT				sdc11/13
8	P2251107i-08	il11660,42e,,pp 12222 L4RVT				sdc11/13
9	P2251107i-09	il21660,42e,,pp 12222 L7RVT				sdc11/13
10	P2251107i-10	il31660,42e,,pp 12222 L10RVT				sdc11/13
11	P2251107i-11	il41660,42e,,pp 12222 L20RVT				sdc11/13
12	P2251107i-12	il51660,42e,,pp 12222 L30RVT				sdc11/13
13	P2251107i-13	il61660,42e,,pp 12222 L40RVT				sdc11/13
14	P2251107i-14	il71660,42e,,pp 12222 L50RVT				sdc11/13
15	P2251107i-15	il81660,42e,,pp 12222 L100RVT				sdc11/13
16	P2251107i-16	il91660,42e,,pp 12222 L250RVT				sdc11/13
17	P2251107i-17	il101660,42e,,pp 12222 L500RVT				sdc11/13
18	P2251107i-18	il111660,42e,,pp 12222 L1000RVT				sdc11/13
19	P2251107i-19	cicv4268,42e,,pp 12229 L250ICVRVT				sdc11/13
20	P2251107i-20	cicv3262,42e,,pp 12230 L250ICVRVT				sdc11/13
21	P2251107i-21	cicv1248,42e,,pp 12228 L250ICVRVT				sdc11/13
22	P2251107i-22	cicv2154,42e,,pp 12227 L250ICVRVT				sdc11/13
23	P2251107i-23	cicv1660,42e,,pp 12226 L250ICVRVT			agp	sdc11/13

Dep.: PCB
Inst: Pest_2
Date: **11/30/25**
Run: a

Method: 8082
GC: PCB RVT

Seq: WG2147633
IS: pp12273

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	P2251130a-01	blank				
1	P2251130a-02	blank				
1	P2251130a-03	blank				
4	P2251130a-04	+1660 RVT ICV pp12226	20% 12:27 EMR			sdc12/02
5	P2251130a-05	blank				
6	P2251130a-06	+2154 rvt icv pp12227	pass			
7	P2251130a-07	+4268 rvt icv pp12229	42 pass 68 high			
8	P2251130a-08	+1248 rvt icv pp12228	pass			
9	P2251130a-09	WG2147434-1,42,,		EMR		sdc12/02
10	P2251130a-10	WG2147434-2,42,,				sdc12/02
11	P2251130a-11	WG2147434-3,42,,				sdc12/02
12	P2251130a-12	L2574691-12,42,,,R3B				sdc12/02
13	P2251130a-13	L2574691-16,42,,,R3B				sdc12/02
14	P2251130a-14	L2575778-05,42,,,R1B				sdc12/02
15	P2251130a-15	L2575576-08,42,,				sdc12/02
16	P2251130a-16	L2574719-01,42,, 608	3/4 surros j hit 60			sdc12/02
17	P2251130a-17	L2574520-01,42,, 608				
18	P2251130a-18	L2575546-01,42,, 608				
19	P2251130a-19	L2575402-01,42,, 608				
20	P2251130a-20	L2575402-02,42,, 608				
21	P2251130a-21	L2575402-03,42,, 608				
22	P2251130a-22	L2575402-04,42,, 608				
23	P2251130a-23	L2575402-05,42,, 608				
24	P2251130a-24	L2575402-06,42,, 608				
25	P2251130a-25	+1660 RVT ICV pp12226	25% 16:29 EMR		EMR	sdc12/02

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Dec 02 2025, 01:12 pm

Work Group: WG2147434 for Department: 2 Organic Preparation

Created: 29-NOV-25 Due: Operator: ZCH

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2574691-12	MW-8	S	NYTCL-8082-RVT	WATER	DONE	U	1119	1202	3B	Amber-A.1
L2574691-16	DUP-111925	S	NYTCL-8082-RVT	WATER	DONE	U	1119	1202	3B	Amber-A.1
L2575320-01	MW-09-251125	S	NYTCL-8082-RVT	WATER	DONE	U	1125	1211	S0	Amber-A.1
L2575320-02	MW-11-251125	S	NYTCL-8082-RVT	WATER	DONE	U	1125	1211	S0	Amber-A.1
L2575320-03	MW-10-251125	S	NYTCL-8082-RVT	WATER	DONE	U	1125	1211	S0	Amber-A.1
L2575320-04	MW-08-251125	S	NYTCL-8082-RVT	WATER	DONE	U	1125	1211	S0	Amber-A.1
L2575500-01	AT5596GW168	S	NYTCL-8082-RVT	WATER	DONE	U	1125	1211	S0	Amber-A.1
L2575500-02	AT5596GW169	S	NYTCL-8082-RVT	WATER	DONE	U	1125	1211	S0	Amber-A.1
L2575500-03	AT5596GW170	S	NYTCL-8082-RVT	WATER	DONE	U	1125	1211	S0	Amber-A.1
L2575500-04	AT5596GW171	S	NYTCL-8082-RVT	WATER	DONE	U	1125	1211	S0	Amber-A.1
L2575500-05	AT5596GW172	S	NYTCL-8082-RVT	WATER	DONE	U	1125	1211	S0	Amber-A.1
L2575576-08	WC-112525	S	NYTCL-8082-RVT	WATER	DONE	U	1125	1208	S0	Amber-A.1
L2575577-04	FD01_251124	S	NYTCL-8082-RVT	WATER	DONE	U	1125	1211	S0	Amber-A.1
L2575577-07	MW-09D_251124	S	NYTCL-8082-RVT	WATER	DONE	U	1125	1211	S0	Amber-A.1
L2575577-09	MW-11D_251124	S	NYTCL-8082-RVT	WATER	DONE	U	1125	1211	S0	Amber-A.1
L2575778-05	FIELD BLANK	S	NYTCL-8082-RVT	WATER	DONE	U	1125	1202	1B	Amber-A.1
WG2147434-1	Laboratory Method Bl	S	NYTCL-8082-RVT	WATER	DONE	U				
WG2147434-2	Laboratory Control S	S	NYTCL-8082-RVT	WATER	DONE	U				
WG2147434-3	LCS Duplicate	S	NYTCL-8082-RVT	WATER	DONE	U				

Comments:

WG2147434-3 WG2147434-2

ORGANIC ELN REPORT

Workgroup: WG2147434

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** EL173
Surrogate Type: Pesticide/PCB **Lot #:** PP12282ah,04/30/2026,5r,13,5
Spike Type: PCB **Lot #:** PP12243ae,03/19/2026,5r,5,1
Spike Verify by: ZCH
Lims Spikelot: PCB-RVT

Additional Reagents/Stds

Na2SO4	253751

Conc.Method: S-EVAP/N-EVAP
Solvent Type: Hexane
Lot #: 250700

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1: EPA 3665A
Cleanup Method 2:
Solvent Type: Hexane **Lot #:** EL223

Additional Reagents/Stds

H2SO4	2025072967

Cleanup 2

Cleanup Method 1: EPA 3660B
Cleanup Method 2:
Solvent Type: Hexane **Lot #:** EL223

Additional Reagents/Stds

Copper	250920CPG004

Cleanup 3

Cleanup Method 1:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Cleanup 4

Cleanup Method 1:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2574691-12 WATER	11/29/25 14:32	Zachary Helin	100	>5, <9	.1		11/29/25 19:55	Victor Kono	1	E/A/#6
L2574691-16 WATER	11/29/25 14:32	Zachary Helin	100	>5, <9	.1		11/29/25 19:55	Victor Kono	1	E/A/#6
L2575320-01 SAMP	11/29/25 23:36	Amanda Patterson	100	>5, <9	.1		11/30/25 11:37	Zane Molins	1	E/A/#6
L2575320-02 SAMP	11/29/25 23:36	Amanda Patterson	100	>5, <9	.1		11/30/25 11:37	Zane Molins	1	E/A/#6
L2575320-03 SAMP	11/29/25 23:36	Amanda Patterson	100	>5, <9	.1		11/30/25 11:37	Zane Molins	1	E/A/#6

Reported: 02-DEC-25 01:12 PM

ORGANIC ELN REPORT

Workgroup: WG2147434

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2575320-04 SAMP	11/29/25 23:36	Amanda Patterson	100	>5, <9	.1		11/30/25 11:37	Zane Molins	1	E/A/#6
L2575500-01 WATER	11/29/25 23:36	Amanda Patterson	100	>5, <9	.1		11/30/25 11:37	Zane Molins	1	E/A/#6
L2575500-02 WATER	11/29/25 23:36	Amanda Patterson	100	>5, <9	.1		11/30/25 11:37	Zane Molins	1	E/A/#6
L2575500-03 WATER	11/29/25 23:36	Amanda Patterson	100	>5, <9	.1		11/30/25 11:37	Zane Molins	1	E/A/#6
L2575500-04 WATER	11/29/25 23:36	Amanda Patterson	100	>5, <9	.1		11/30/25 11:37	Zane Molins	1	E/A/#6
L2575500-05 WATER	11/29/25 23:36	Amanda Patterson	100	>5, <9	.1		11/30/25 11:37	Zane Molins	1	E/A/#6
L2575576-08 SAMP	11/29/25 14:32	Zachary Helin	100	>5, <9	.1		11/29/25 19:55	Victor Kono	1	E/A/#6
L2575577-04 SAMP	11/29/25 23:36	Amanda Patterson	100	>5, <9	.1		11/30/25 11:37	Zane Molins	1	E/A/#6
L2575577-07 SAMP	11/29/25 23:36	Amanda Patterson	100	>5, <9	.1		11/30/25 11:37	Zane Molins	1	E/A/#6
L2575577-09 SAMP	11/29/25 23:36	Amanda Patterson	100	>5, <9	.1		11/30/25 11:37	Zane Molins	1	E/A/#6

Reported: 02-DEC-25 01:12 PM

ORGANIC ELN REPORT

Workgroup: WG2147434

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2575778-05 WATER	11/29/25 14:32	Zachary Helin	100	>5, <9	.1		11/29/25 19:55	Victor Kono	1	E/A/#6
WG2147434-1 BLANK	11/29/25 14:32 **WG2147433**	Zachary Helin	100	>5, <9	.1		11/29/25 19:55	Victor Kono	1	E/A/#6
WG2147434-2 LCS	11/29/25 14:32	Zachary Helin	100	>5, <9	.1	.1	11/29/25 19:55	Victor Kono	1	E/A/#6
WG2147434-3 LCSD	11/29/25 14:32	Zachary Helin	100	>5, <9	.1	.1	11/29/25 19:55	Victor Kono	1	E/A/#6

ORGANIC ELN REPORT

Workgroup: WG2147434

Sample/ Type	Cleanup 1				Cleanup 2	
	Cleanup Date	Analyst	Pest Aliquot **ml**	Pest Final **ml**	Cleanup Date	Analyst
L2574691-12 WATER	11/29/25 20:55	Krista Avila	0.5	0.5	11/29/25 21:21	Krista Avila
L2574691-16 WATER	11/29/25 20:55	Krista Avila	0.5	0.5	11/29/25 21:21	Krista Avila
L2575320-01 SAMP	11/30/25 15:35	Katherine Gately	0.5	0.5	11/30/25 16:21	Katherine Gately
L2575320-02 SAMP	11/30/25 15:35	Katherine Gately	0.5	0.5	11/30/25 16:21	Katherine Gately
L2575320-03 SAMP	11/30/25 15:35	Katherine Gately	0.5	0.5	11/30/25 16:21	Katherine Gately
L2575320-04 SAMP	11/30/25 15:35	Katherine Gately	0.5	0.5	11/30/25 16:21	Katherine Gately
L2575500-01 WATER	11/30/25 15:35	Katherine Gately	0.5	0.5	11/30/25 16:21	Katherine Gately
L2575500-02 WATER	11/30/25 15:35	Katherine Gately	0.5	0.5	11/30/25 16:21	Katherine Gately
L2575500-03 WATER	11/30/25 15:35	Katherine Gately	0.5	0.5	11/30/25 16:21	Katherine Gately
L2575500-04 WATER	11/30/25 15:35	Katherine Gately	0.5	0.5	11/30/25 16:21	Katherine Gately
L2575500-05 WATER	11/30/25 15:35	Katherine Gately	0.5	0.5	11/30/25 16:21	Katherine Gately

ORGANIC ELN REPORT

Workgroup: WG2147434

Sample/ Type	Cleanup 1				Cleanup 2	
	Cleanup Date	Analyst	Pest Aliquot **ml**	Pest Final **ml**	Cleanup Date	Analyst
L2575576-08 SAMP	11/29/25 20:55	Krista Avila	0.5	0.5	11/29/25 21:21	Krista Avila
L2575577-04 SAMP	11/30/25 15:35	Katherine Gately	0.5	0.5	11/30/25 16:21	Katherine Gately
L2575577-07 SAMP	11/30/25 15:35	Katherine Gately	0.5	0.5	11/30/25 16:21	Katherine Gately
L2575577-09 SAMP	11/30/25 15:35	Katherine Gately	0.5	0.5	11/30/25 16:21	Katherine Gately
L2575778-05 WATER	11/29/25 20:55	Krista Avila	0.5	0.5	11/29/25 21:21	Krista Avila
WG2147434-1 BLANK	11/29/25 20:55	Krista Avila	0.5	0.5	11/29/25 21:21	Krista Avila
WG2147434-2 LCS	11/29/25 20:55	Krista Avila	0.5	0.5	11/29/25 21:21	Krista Avila
WG2147434-3 LCSD	11/29/25 20:55	Krista Avila	0.5	0.5	11/29/25 21:21	Krista Avila

GC Extractable Analysis
Pesticides

Pesticide QC Summary

Surrogate Recovery Summary
Form 2
Pesticides

Client: Roux Env. Eng. & Geology, DPC
Project Name: 1000 TURK HILL RD GWS

Lab Number: L2575576
Project Number: 3113.0001Y000
Matrix: Water

GC Column 1: CLPPesticides
GC Column 2: CLPPesticides

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
WC-112525 (L2575576-08)	59	66	52	63			0
WG2147433-1BLANK	67	88	67	98			0
WG2147433-2LCS	67	88	66	97			0
WG2147433-3LCSD	66	88	67	97			0

QC LIMITS
(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE
(30-150) DCBP = DECACHLOROBIPHENYL

*** Values outside of QC limits**

Laboratory Control Sample Summary
Form 3
Pesticides

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2147433-2 **Analysis Date** : 12/01/25 09:09	**File ID**	: 10251201b-07
LCSD Sample ID	: WG2147433-3 **Analysis Date** : 12/01/25 09:20	**File ID**	: 10251201b-08

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Delta-BHC	0.5	0.354	71	0.5	0.352	70	1	30-150	20
Lindane	0.5	0.430	86	0.5	0.423	85	2	30-150	20
Alpha-BHC	0.5	0.412	82	0.5	0.406	81	1	30-150	20
Beta-BHC	0.5	0.397	79	0.5	0.401	80	1	30-150	20
Heptachlor	0.5	0.422	84	0.5	0.424	85	0	30-150	20
Aldrin	0.5	0.381	76	0.5	0.391	78	3	30-150	20
Heptachlor epoxide	0.5	0.427	85	0.5	0.431	86	1	30-150	20
Endrin	0.5	0.342	68	0.5	0.425	85	22 Q	30-150	20
Endrin aldehyde	0.5	0.349	70	0.5	0.364	73	4	30-150	20
Endrin ketone	0.5	0.479	96	0.5	0.434	87	10	30-150	20
Dieldrin	0.5	0.415	83	0.5	0.424	85	2	30-150	20
4,4'-DDE	0.5	0.394	79	0.5	0.400	80	2	30-150	20
4,4'-DDD	0.5	0.434	87	0.5	0.439	88	1	30-150	20
4,4'-DDT	0.5	0.469	94	0.5	0.464	93	1	30-150	20
Endosulfan I	0.5	0.400	80	0.5	0.404	81	1	30-150	20
Endosulfan II	0.5	0.408	82	0.5	0.414	83	1	30-150	20
Endosulfan sulfate	0.5	0.394	79	0.5	0.398	80	1	30-150	20
Methoxychlor	0.5	0.443	89	0.5	0.448	90	1	30-150	20
cis-Chlordane	0.5	0.375	75	0.5	0.386	77	3	30-150	20
trans-Chlordane	0.5	0.397	79	0.5	0.406	81	2	30-150	20

Method Blank Summary
Form 4
Pesticides

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab Sample ID	: WG2147433-1	**Lab File ID**	: 10251201b-06
Matrix	: WATER	**Extraction Date**	: 11/29/25
Analysis Date (1)	: 12/01/25 08:58	**Analysis Date (2)**	: 12/01/25 08:58
Instrument ID (1)	: PEST10	**Instrument ID (2)**	: PEST10

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG2147433-2LCS	WG2147433-2	12/01/25 09:09	12/01/25 09:09
WG2147433-3LCSD	WG2147433-3	12/01/25 09:20	12/01/25 09:20
WC-112525	L2575576-08	12/01/25 11:21	12/01/25 11:21

Analytical Sequence
Form 8b
Pesticides

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: PEST10	**Initial Calib. Date(s)**	: 11/17/25 11/19/25

Client ID	Lab ID	Date/Time Analyzed
R2038679-1 PEM	R2038679-1	11/17/25 10:09
Chlordane L2 (10ug/L)	R2038679-2	11/17/25 12:41
Chlordane L3 (20ug/L)	R2038679-3	11/17/25 12:53
Chlordane L4 (50ug/L)	R2038679-4	11/17/25 13:04
Chlordane L5 (100ug/L)	R2038679-13	11/17/25 13:16
Chlordane L7 (500ug/L)	R2038679-14	11/17/25 13:28
Chlordane L8 (1000ug/L)	R2038679-15	11/17/25 13:39
Chlordane L9 (2000ug/L)	R2038679-16	11/17/25 13:51
Chlordane L10 (5000ug/L)	R2038679-5	11/17/25 14:03
R2038679-6 ICV	R2038679-6	11/17/25 14:15
Toxaphene L3 (20.0ug/L)	R2038679-7	11/17/25 14:26
Toxaphene L4 (100ug/L)	R2038679-8	11/17/25 14:38
Toxaphene L7 (1000ug/L)	R2038679-9	11/17/25 14:50
Toxaphene L8 (2000ug/L)	R2038679-10	11/17/25 15:01
Toxaphene L9 (5000ug/L)	R2038679-11	11/17/25 15:13
R2038679-12 ICV	R2038679-12	11/17/25 15:25
R2038679-17 PEM	R2038679-17	11/19/25 13:13
Pesticides L1 (0.2ug/L)	R2038679-18	11/19/25 13:25
Pesticides L2 (0.5ug/L)	R2038679-19	11/19/25 13:37
Pesticides L3 (1.0ug/L)	R2038679-20	11/19/25 13:48
Pesticides L4 (2.0ug/L)	R2038679-21	11/19/25 14:00
Pesticides L5 (3.0ug/L)	R2038679-22	11/19/25 14:12
Pesticides L6 (4.0ug/L)	R2038679-23	11/19/25 14:23
Pesticides L7 (10.0ug/L)	R2038679-24	11/19/25 14:35
Pesticides L8 (50.0ug/L)	R2038679-25	11/19/25 14:47
Pesticides L9 (100ug/L)	R2038679-26	11/19/25 14:59
Pesticides L10 (200ug/L)	R2038679-27	11/19/25 15:10
Pesticides L11 (400ug/L)	R2038679-28	11/19/25 15:22
R2038679-29 ICV	R2038679-29	11/19/25 15:34
R2042328-1 PEM	R2042328-1	12/01/25 08:14
WG2147890-1 CCAL	WG2147890-1	12/01/25 08:25
WG2147890-3 CCAL	WG2147890-3	12/01/25 08:47
WG2147433-1 BLANK	WG2147433-1	12/01/25 08:58
WG2147433-2 LCS	WG2147433-2	12/01/25 09:09
WG2147433-3 LCSD	WG2147433-3	12/01/25 09:20
WC-112525	L2575576-08	12/01/25 11:21

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14022-1
Page: 1

Pesticides - EPA 8081B (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Delta-BHC	319-86-8	1.6008	0.31349	ug/kg	30-150	30	30-150	50	50			
Lindane	58-89-9	0.667	0.298149	ug/kg	30-150	30	30-150	50	50			
Alpha-BHC	319-84-6	0.667	0.189428	ug/kg	30-150	30	30-150	50	50			
Beta-BHC	319-85-7	1.6008	0.60697	ug/kg	30-150	30	30-150	50	50			
Heptachlor	76-44-8	0.8004	0.358846	ug/kg	30-150	30	30-150	50	50			
Aldrin	309-00-2	1.6008	0.563615	ug/kg	30-150	30	30-150	50	50			
Heptachlor epoxide	1024-57-3	3.0015	0.90045	ug/kg	30-150	30	30-150	50	50			
Endrin	72-20-8	0.667	0.27347	ug/kg	30-150	30	30-150	50	50			
Endrin aldehyde	7421-93-4	2.001	0.70035	ug/kg	30-150	30	30-150	50	50			
Endrin ketone	53494-70-5	1.6008	0.412206	ug/kg	30-150	30	30-150	50	50			
Dieldrin	60-57-1	1.0005	0.50025	ug/kg	30-150	30	30-150	50	50			
4,4'-DDE	72-55-9	1.6008	0.370185	ug/kg	30-150	30	30-150	50	50			
4,4'-DDD	72-54-8	1.6008	0.570952	ug/kg	30-150	30	30-150	50	50			
4,4'-DDT	50-29-3	3.0015	1.28731	ug/kg	30-150	30	30-150	50	50			
Endosulfan I	959-98-8	1.6008	0.378189	ug/kg	30-150	30	30-150	50	50			
Endosulfan II	33213-65-9	1.6008	0.534934	ug/kg	30-150	30	30-150	50	50			
Endosulfan sulfate	1031-07-8	0.667	0.317492	ug/kg	30-150	30	30-150	50	50			
Methoxychlor	72-43-5	3.0015	0.9338	ug/kg	30-150	30	30-150	50	50			
Toxaphene	8001-35-2	30.015	8.4042	ug/kg	30-150	30	30-150	50	50			
Chlordane	57-74-9	13.34	5.30265	ug/kg	30-150	30	30-150	50	50			
cis-Chlordane	5103-71-9	2.001	0.557612	ug/kg	30-150	30	30-150	50	50			
trans-Chlordane	5103-74-2	2.001	0.528264	ug/kg	30-150	30	30-150	50	50			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

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

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14021-1

Pesticides - EPA 8081B (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 120ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Delta-BHC	319-86-8	0.02	0.00467	ug/l	30-150	20	30-150	30	30			
Lindane	58-89-9	0.02	0.00434	ug/l	30-150	20	30-150	30	30			
Alpha-BHC	319-84-6	0.02	0.00439	ug/l	30-150	20	30-150	30	30			
Beta-BHC	319-85-7	0.02	0.0056	ug/l	30-150	20	30-150	30	30			
Heptachlor	76-44-8	0.02	0.0031	ug/l	30-150	20	30-150	30	30			
Aldrin	309-00-2	0.02	0.00216	ug/l	30-150	20	30-150	30	30			
Heptachlor epoxide	1024-57-3	0.02	0.00415	ug/l	30-150	20	30-150	30	30			
Endrin	72-20-8	0.04	0.00429	ug/l	30-150	20	30-150	30	30			
Endrin aldehyde	7421-93-4	0.04	0.0081	ug/l	30-150	20	30-150	30	30			
Endrin ketone	53494-70-5	0.04	0.00477	ug/l	30-150	20	30-150	30	30			
Dieldrin	60-57-1	0.04	0.00429	ug/l	30-150	20	30-150	30	30			
4,4'-DDE	72-55-9	0.04	0.00381	ug/l	30-150	20	30-150	30	30			
4,4'-DDD	72-54-8	0.04	0.00464	ug/l	30-150	20	30-150	30	30			
4,4'-DDT	50-29-3	0.04	0.00432	ug/l	30-150	20	30-150	30	30			
Endosulfan I	959-98-8	0.02	0.00345	ug/l	30-150	20	30-150	30	30			
Endosulfan II	33213-65-9	0.04	0.00519	ug/l	30-150	20	30-150	30	30			
Endosulfan sulfate	1031-07-8	0.04	0.00481	ug/l	30-150	20	30-150	30	30			
Methoxychlor	72-43-5	0.2	0.00684	ug/l	30-150	20	30-150	30	30			
Toxaphene	8001-35-2	0.2	0.0627	ug/l	30-150	20	30-150	30	30			
Chlordane	57-74-9	0.2	0.0463	ug/l	40-140	20	30-150	30	30			
cis-Chlordane	5103-71-9	0.02	0.00666	ug/l	30-150	20	30-150	30	30			
trans-Chlordane	5103-74-2	0.02	0.00627	ug/l	30-150	20	30-150	30	30			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

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

Method Detection Limit - Spike Replicates (MDLs)
Pace Analytical Services
Westborough, MA

EPA 608.3, EPA 8081B, Liquid Compound - Channel A	Units	Target Concentration	Mean (x)	% Recovery	Standard Deviation (S)	Number of Replicates	Student t-value (t)	MDLs	LOQ	Comments
Alpha-BHC	ug/l	0.010	0.0066	66%	0.0016	8	3.00	0.0048	0.010	
Delta-BHC	ug/l	0.010	0.0083	83%	0.0020	8	3.00	0.0059	0.010	
Dieldrin	ug/l	0.010	0.0103	103%	0.0013	8	3.00	0.0040	0.010	
Endosulfan I	ug/l	0.010	0.0086	86%	0.0016	8	3.00	0.0047	0.010	
Heptachlor	ug/l	0.010	0.0090	90%	0.0014	8	3.00	0.0043	0.010	
Heptachlor epoxide	ug/l	0.010	0.0095	95%	0.0013	8	3.00	0.0038	0.010	
Gamma-BHC (Lindane)	ug/l	0.010	0.0083	83%	0.0016	8	3.00	0.0049	0.010	
Aldrin	ug/l	0.010	0.0071	71%	0.0016	8	3.00	0.0048	0.010	

EPA 608.3, EPA 8081B, Liquid Compound - Channel B	Units	Target Concentration	Mean (x)	% Recovery	Standard Deviation (S)	Number of Replicates	Student t-value (t)	MDLs	LOQ	Comments
Alpha-BHC	ug/l	0.010	0.0078	78%	0.0011	8	3.00	0.0032	0.010	
Delta-BHC	ug/l	0.010	0.0078	78%	0.0013	8	3.00	0.0040	0.010	
Dieldrin	ug/l	0.010	0.0101	101%	0.0014	8	3.00	0.0043	0.010	
Endosulfan I	ug/l	0.010	0.0090	90%	0.0012	8	3.00	0.0037	0.010	
Heptachlor	ug/l	0.010	0.0091	91%	0.0016	8	3.00	0.0047	0.010	
Heptachlor epoxide	ug/l	0.010	0.0091	91%	0.0015	8	3.00	0.0045	0.010	
Gamma-BHC (Lindane)	ug/l	0.010	0.0082	82%	0.0008	8	3.00	0.0025	0.010	
Aldrin	ug/l	0.010	0.0080	80%	0.0017	8	3.00	0.0051	0.010	

EPA 608.3, EPA 8081B, Liquid Compound - Channel A	Units	Target Concentration	Mean (x)	% Recovery	Standard Deviation (S)	Number of Replicates	Student t-value (t)	MDLs	LOQ	Comments
4,4'-DDD	ug/l	0.020	0.0179	90%	0.0019	8	3.00	0.0058	0.020	
4,4'-DDE	ug/l	0.020	0.0162	81%	0.0021	8	3.00	0.0062	0.020	
4,4'-DDT	ug/l	0.020	0.0166	83%	0.0045	8	3.00	0.0134	0.020	
Alachlor	ug/l	0.020	0.0227	114%	0.0050	8	3.00	0.0151	0.020	
Endosulfan II	ug/l	0.020	0.0190	95%	0.0017	8	3.00	0.0051	0.020	
Endosulfan sulfate	ug/l	0.020	0.0183	91%	0.0015	8	3.00	0.0045	0.020	
Endrin	ug/l	0.020	0.0183	91%	0.0017	8	3.00	0.0052	0.020	
Endrin aldehyde	ug/l	0.020	0.0177	89%	0.0029	8	3.00	0.0087	0.020	
Endrin ketone	ug/l	0.020	0.0215	107%	0.0043	8	3.00	0.0130	0.020	
Methoxychlor	ug/l	0.020	0.0164	82%	0.0047	8	3.00	0.0141	0.020	
Beta-BHC	ug/l	0.020	0.0230	115%	0.0047	8	3.00	0.0141	0.020	
Alpha-chlordane (cis)	ug/l	0.020	0.0188	94%	0.0014	8	3.00	0.0041	0.020	
Hexachlorobenzene	ug/l	0.020	0.0216	108%	0.0048	8	3.00	0.0144	0.020	
Gamma-chlordane (trans)	ug/l	0.020	0.0222	111%	0.0034	8	3.00	0.0102	0.020	
Mirex	ug/l	0.020	0.0199	100%	0.0052	8	3.00	0.0156	0.020	

Prep Method: EPA 3510C
Initial Weight / Volume: 100mL
Final Volume: 1 mL

QA Approval: ___MSP____ Date Effective: __10/20/2024____

Method Detection Limit - Spike Replicates (MDLs)
Pace Analytical Services
Westborough, MA

EPA 608.3, EPA 8081B, Liquid Compound - Channel B	Units	Target Concentration	Mean (x)	% Recovery	Standard Deviation (S)	Number of Replicates	Student t-value (t)	MDLs	LOQ	Comments
4,4'-DDD	ug/l	0.020	0.0182	91%	0.0034	8	3.00	0.0101	0.020	
4,4'-DDE	ug/l	0.020	0.0172	86%	0.0033	8	3.00	0.0100	0.020	
4,4'-DDT	ug/l	0.020	0.0177	88%	0.0016	8	3.00	0.0048	0.020	
Alachlor	ug/l	0.020	0.0192	96%	0.0039	8	3.00	0.0117	0.020	
Endosulfan II	ug/l	0.020	0.0187	93%	0.0028	8	3.00	0.0084	0.020	
Endosulfan sulfate	ug/l	0.020	0.0180	90%	0.0022	8	3.00	0.0065	0.020	
Endrin	ug/l	0.020	0.0194	97%	0.0027	8	3.00	0.0082	0.020	
Endrin aldehyde	ug/l	0.020	0.0174	87%	0.0059	8	3.00	0.0178	0.020	
Endrin ketone	ug/l	0.020	0.0178	89%	0.0046	8	3.00	0.0138	0.020	
Methoxychlor	ug/l	0.020	0.0168	84%	0.0039	8	3.00	0.0118	0.020	
Beta-BHC	ug/l	0.020	0.0145	72%	0.0026	8	3.00	0.0078	0.020	
Alpha-chlordane (cis)	ug/l	0.020	0.0163	82%	0.0023	8	3.00	0.0068	0.020	
Hexachlorobenzene	ug/l	0.020	0.0224	112%	0.0052	8	3.00	0.0154	0.020	
Gamma-chlordane (trans)	ug/l	0.020	0.0204	102%	0.0037	8	3.00	0.0110	0.020	
Mirex	ug/l	0.020	0.0129	64%	0.0054	8	3.00	0.0161	0.020	

Prep Method: EPA 3510C
Initial Weight / Volume: 100mL
Final Volume: 1 mL

QA Approval: ___MSP____ Date Effective: __10/20/2024____

Method Detection Limit - Spike Replicates (MDLs)
Pace Analytical Services
Westborough, MA

EPA 608.3, EPA 8081B, Liquid Compound - Channel A	Units	Target Concentration	Mean (x)	% Recovery	Standard Deviation (S)	Number of Replicates	Student t-value (t)	MDLs	LOQ	Comments
Chlordane	ug/l	0.10	0.0810	81%	0.0191	8	2.99795157	0.0572	0.100	

EPA 608.3, EPA 8081B, Liquid Compound - Channel B	Units	Target Concentration	Mean (x)	% Recovery	Standard Deviation (S)	Number of Replicates	Student t-value (t)	MDLs	LOQ	Comments
Chlordane	ug/l	0.10	0.0706	71%	0.0327	8	2.99795157	0.0980	0.100	

EPA 608.3, EPA 8081B, Liquid Compound - Channel A	Units	Target Concentration	Mean (x)	% Recovery	Standard Deviation (S)	Number of Replicates	Student t-value (t)	MDLs	LOQ	Comments
Toxaphene	ug/l	0.10	0.0906	91%	0.0255	8	2.99795157	0.0764	0.100	

EPA 608.3, EPA 8081B, Liquid Compound - Channel B	Units	Target Concentration	Mean (x)	% Recovery	Standard Deviation (S)	Number of Replicates	Student t-value (t)	MDLs	LOQ	Comments
Toxaphene	ug/l	0.10	0.0852	85%	0.0314	8	2.99795157	0.0942	0.100	

Comments: _____

Prep Method: EPA 3510C
Initial Weight / Volume: 100mL
Final Volume: 1 mL

QA Approval: ___MSP____ Date Effective: __10/20/2024____

Pesticide Sample Data

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-08	Date Collected	: 11/25/25 12:00
Client ID	: WC-112525	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/01/25 11:21
Sample Matrix	: WATER	Date Extracted	: 11/29/25
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 10251201b-19	Analyst	: EJL
Sample Amount	: 100 ml	Instrument ID	: PEST10
Extraction Method	: EPA 3510C	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	0.014	0.006	U
58-89-9	Lindane	ND	0.014	0.005	U
319-84-6	Alpha-BHC	ND	0.014	0.006	U
319-85-7	Beta-BHC	ND	0.020	0.014	U
76-44-8	Heptachlor	ND	0.014	0.005	U
309-00-2	Aldrin	ND	0.014	0.005	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.005	U
72-20-8	Endrin	ND	0.029	0.008	U
7421-93-4	Endrin aldehyde	ND	0.030	0.018	U
53494-70-5	Endrin ketone	ND	0.029	0.014	U
60-57-1	Dieldrin	ND	0.029	0.004	U
72-55-9	4,4'-DDE	ND	0.029	0.010	U
72-54-8	4,4'-DDD	ND	0.029	0.010	U
50-29-3	4,4'-DDT	ND	0.029	0.024	U
959-98-8	Endosulfan I	ND	0.014	0.005	U
33213-65-9	Endosulfan II	ND	0.029	0.008	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.007	U
72-43-5	Methoxychlor	ND	0.143	0.014	U
8001-35-2	Toxaphene	ND	0.200	0.150	U
5103-71-9	cis-Chlordane	ND	0.020	0.007	U
5103-74-2	trans-Chlordane	ND	0.020	0.011	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575576-08	**Date Collected**	: 11/25/25 12:00
Client ID	: WC-112525	**Date Received**	: 11/25/25
Sample Location	: FAIRPORT, NY	**Date Analyzed**	: 12/01/25 11:21
Sample Matrix	: WATER	**Date Extracted**	: 11/29/25
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10251201b-19	**Analyst**	: EJL
Sample Amount	: 100 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.098	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: WG2147433-1	Date Collected	: NA
Client ID	: WG2147433-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/01/25 08:58
Sample Matrix	: WATER	Date Extracted	: 11/29/25
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 10251201b-06	Analyst	: JAG
Sample Amount	: 100 ml	Instrument ID	: PEST10
Extraction Method	: EPA 3510C	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	0.014	0.006	U
58-89-9	Lindane	ND	0.014	0.005	U
319-84-6	Alpha-BHC	ND	0.014	0.006	U
319-85-7	Beta-BHC	ND	0.020	0.014	U
76-44-8	Heptachlor	ND	0.014	0.005	U
309-00-2	Aldrin	ND	0.014	0.005	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.005	U
72-20-8	Endrin	ND	0.029	0.008	U
7421-93-4	Endrin aldehyde	ND	0.030	0.018	U
53494-70-5	Endrin ketone	ND	0.029	0.014	U
60-57-1	Dieldrin	ND	0.029	0.004	U
72-55-9	4,4'-DDE	ND	0.029	0.010	U
72-54-8	4,4'-DDD	ND	0.029	0.010	U
50-29-3	4,4'-DDT	ND	0.029	0.024	U
959-98-8	Endosulfan I	ND	0.014	0.005	U
33213-65-9	Endosulfan II	ND	0.029	0.008	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.007	U
72-43-5	Methoxychlor	ND	0.143	0.014	U
8001-35-2	Toxaphene	ND	0.200	0.150	U
5103-71-9	cis-Chlordane	ND	0.020	0.007	U
5103-74-2	trans-Chlordane	ND	0.020	0.011	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2147433-1	**Date Collected**	: NA
Client ID	: WG2147433-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/01/25 08:58
Sample Matrix	: WATER	**Date Extracted**	: 11/29/25
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10251201b-06	**Analyst**	: JAG
Sample Amount	: 100 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.098	U

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Dec 2025 11:21 am
Operator : PEST10:ejl
Sample : L2575576-08,42,,
Misc : wg2147890,WG2147433,ical22829
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 17:21:17 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:48:44 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2025\251201B\10251201b-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.345	1.406	80065287	62041535	25.000M4	25.000M3
	Standard Area 1 : #1 = 87242259				Recovery =	91.77%	
	Standard Area 1 : #2 = 86239486				Recovery =	71.94%	
28) i	1-br-2-nb_Ch	1.345	1.406	80065287	62041535	25.000M4	25.000M3
33) i	1-br-2-nb_To	1.345	1.406	80065287	62041535	25.000M4	25.000M3
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.694	1.890	126.1E6	102.5E6	29.288M3	32.902
	Spiked Amount 50.000	Range 30 - 150			Recovery =	58.58%	65.80%
27) s	Decachlorobi	6.357	6.970	99339634	84472349	25.809M4	31.341M4
	Spiked Amount 50.000	Range 30 - 150			Recovery =	51.62%	62.68%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D.	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D.	N.D.
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Dec 2025 11:21 am
Operator : PEST10:ejl
Sample : L2575576-08,42,,
Misc : wg2147890,WG2147433,ical22829
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 17:21:17 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:48:44 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2025\251201B\10251201b-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D.
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

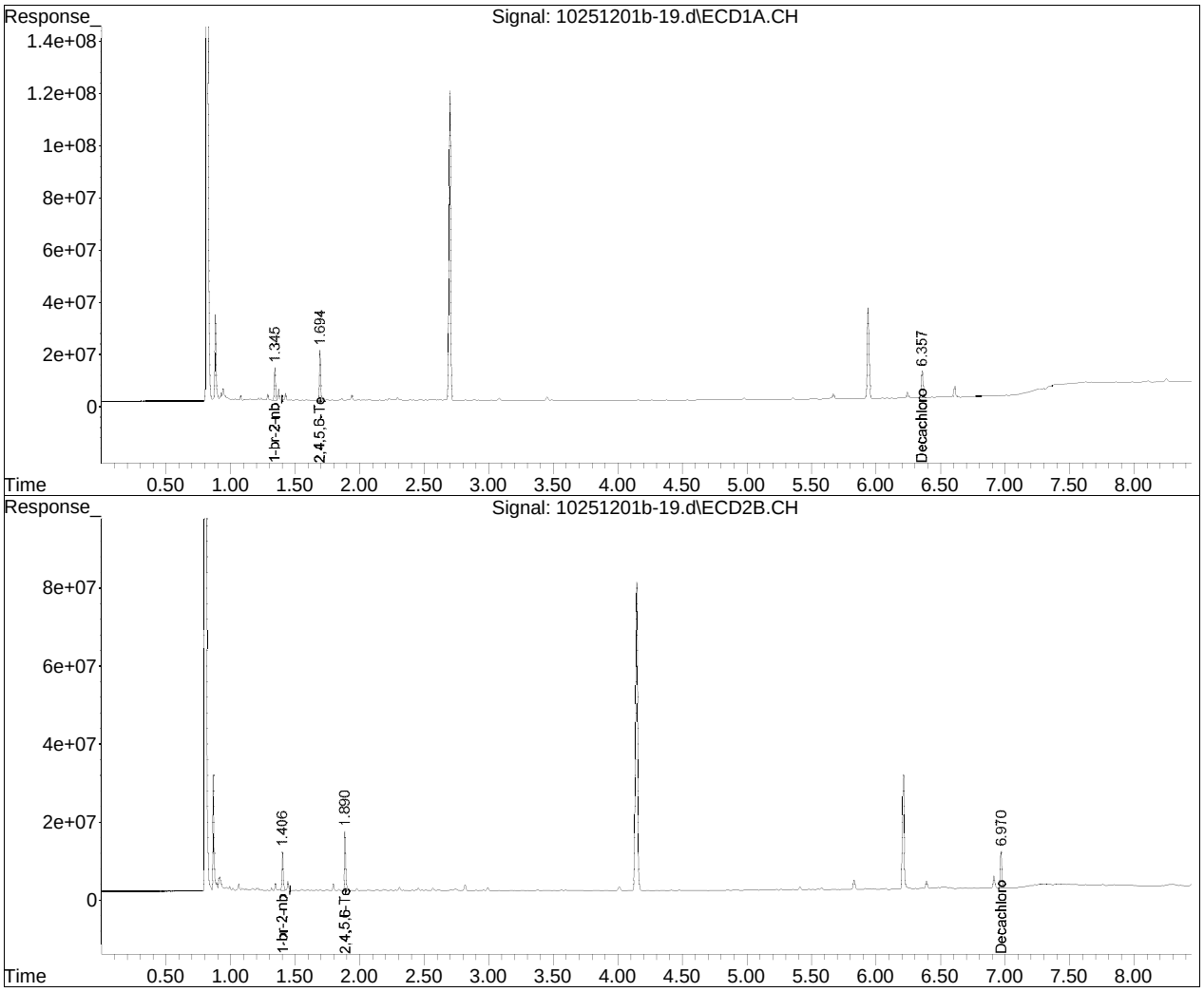
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedB\10251201b-03.d•

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Dec 2025 11:21 am
Operator : PEST10:ejl
Sample : L2575576-08,42,,
Misc : wg2147890,WG2147433,ical22829
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 17:21:17 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:48:44 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

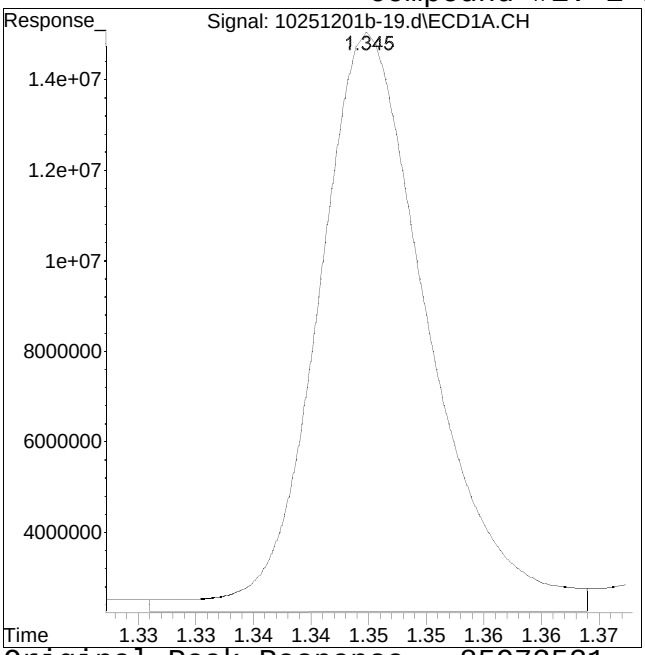
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



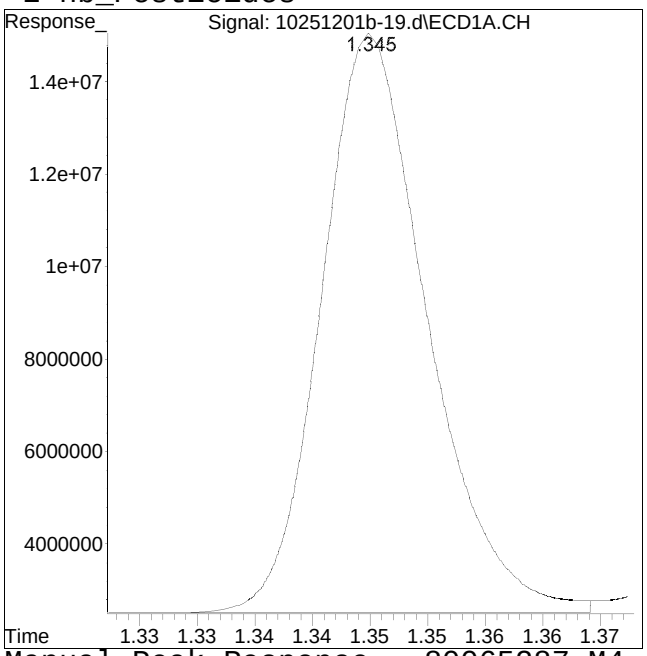
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-19.d Operator : PEST10:ejl
Date Inj'd : 12/1/2025 11:21 am Instrument : Pest 10
Sample : L2575576-08,42,, Quant Date : 12/1/2025 5:21 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 85973531



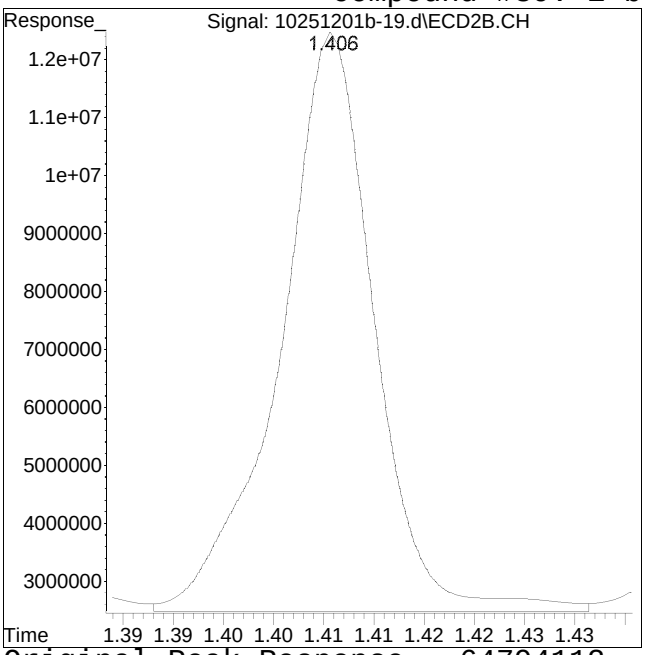
Manual Peak Response = 80065287 M4

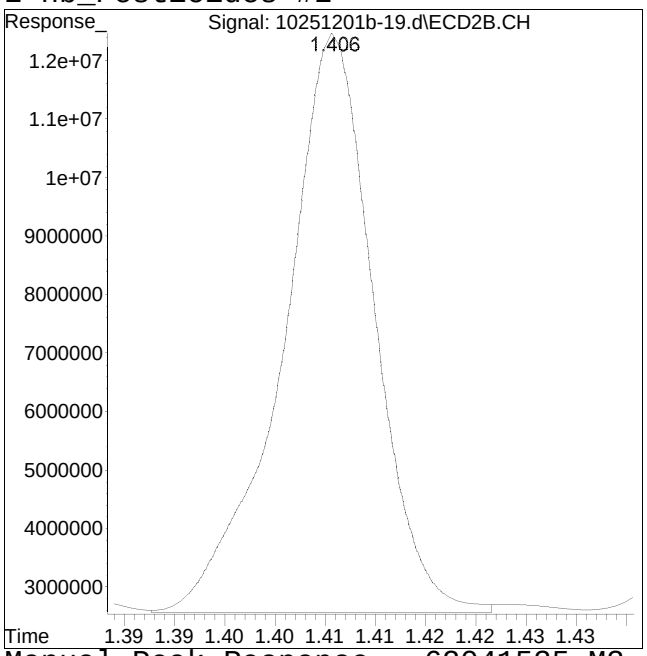
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-19.d Operator : PEST10:ejl
Date Inj'd : 12/1/2025 11:21 am Instrument : Pest 10
Sample : L2575576-08,42,, Quant Date : 12/1/2025 5:21 pm

Compound #39: 1-br-2-nb_Pesticides #2



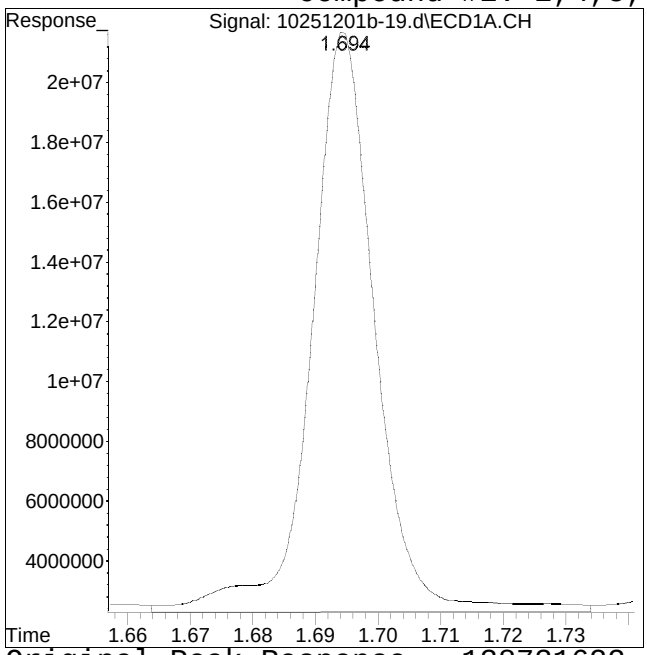


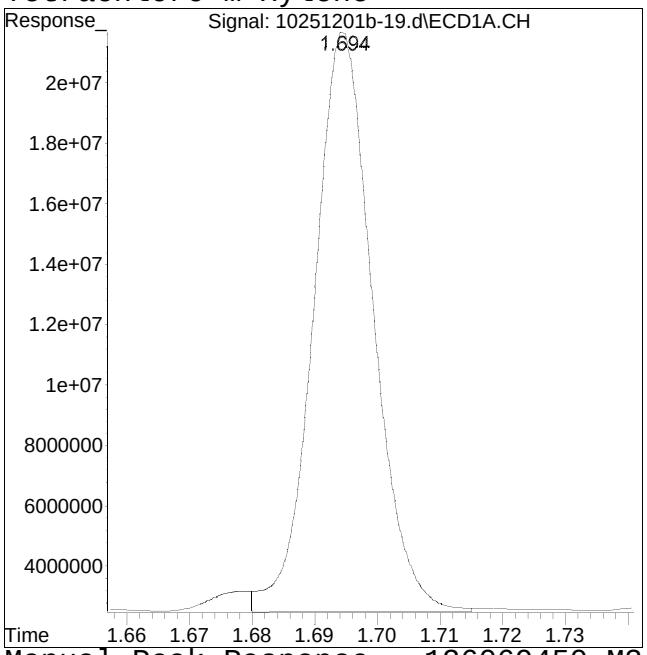
Original Peak Response = 64794112 Manual Peak Response = 62041535 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-19.d Operator : PEST10:ejl
Date Inj'd : 12/1/2025 11:21 am Instrument : Pest 10
Sample : L2575576-08,42,, Quant Date : 12/1/2025 5:21 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



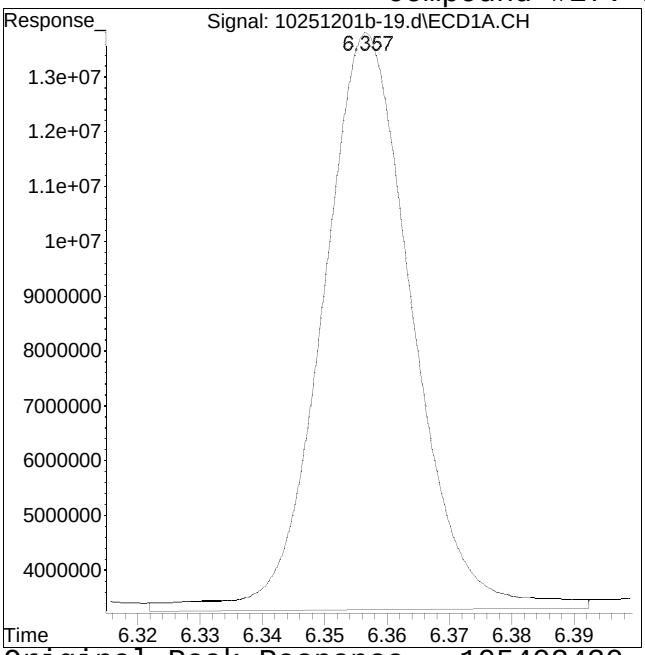


Original Peak Response = 138731622 Manual Peak Response = 126069450 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

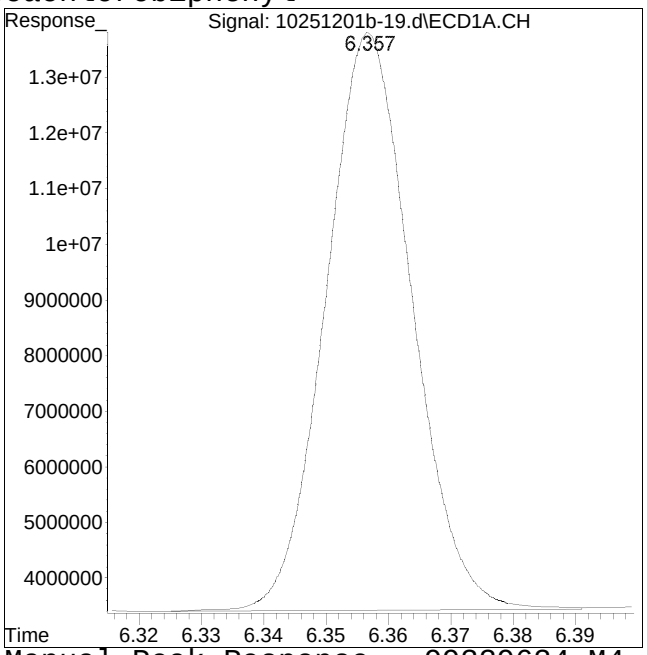
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-19.d Operator : PEST10:ejl
Date Inj'd : 12/1/2025 11:21 am Instrument : Pest 10
Sample : L2575576-08,42,, Quant Date : 12/1/2025 5:21 pm

Compound #27: Decachlorobiphenyl



Original Peak Response = 105402430



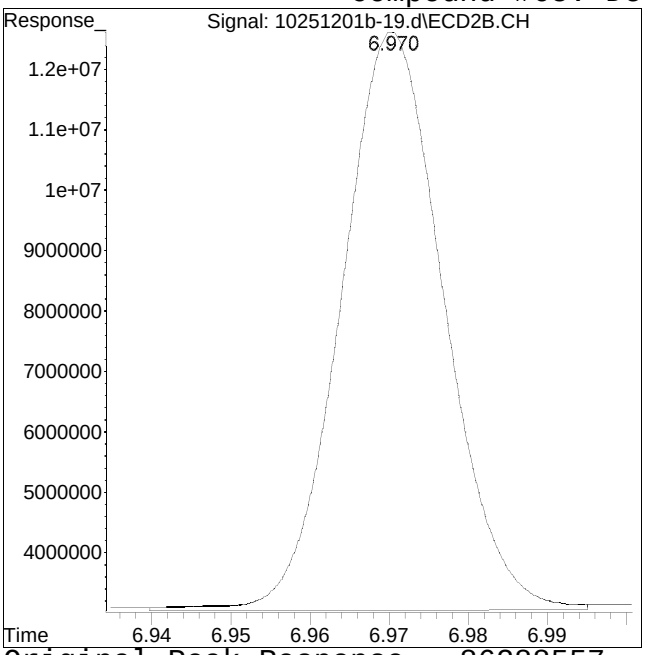
Manual Peak Response = 99339634 M4

M4 = Poor automated baseline construction.

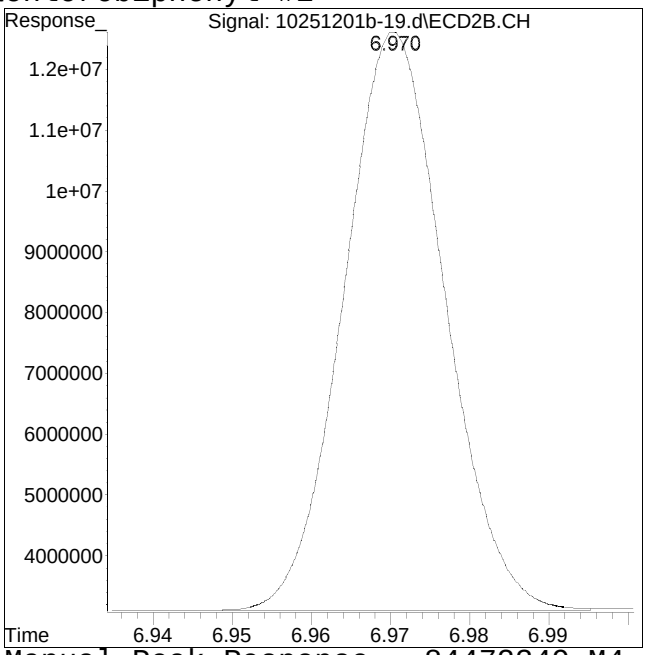
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-19.d Operator : PEST10:ejl
Date Inj'd : 12/1/2025 11:21 am Instrument : Pest 10
Sample : L2575576-08,42,, Quant Date : 12/1/2025 5:21 pm

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 86288557



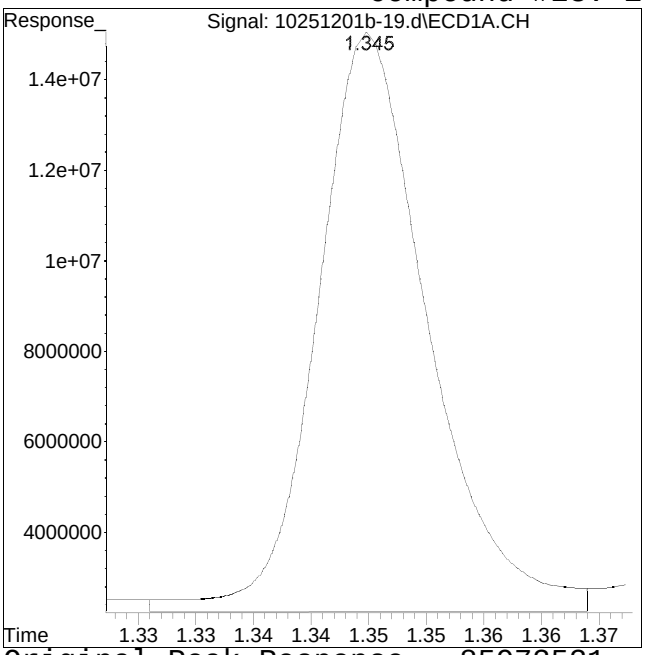
Manual Peak Response = 84472349 M4

M4 = Poor automated baseline construction.

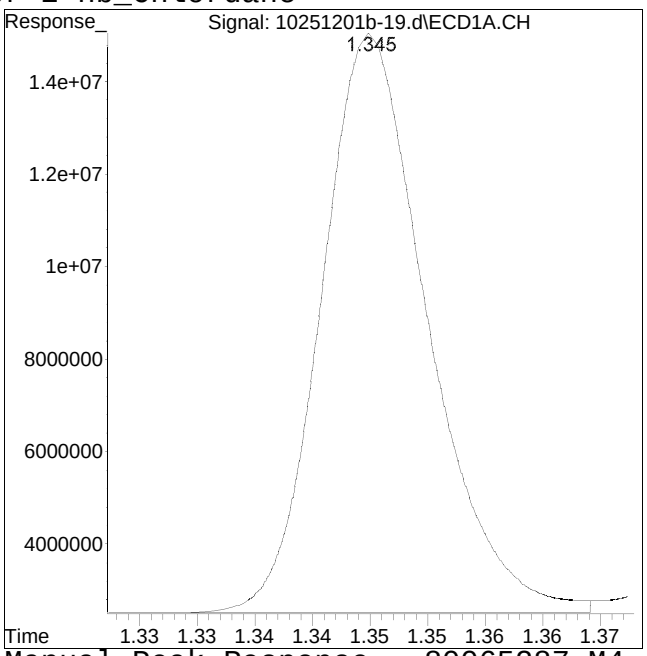
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-19.d Operator : PEST10:ejl
Date Inj'd : 12/1/2025 11:21 am Instrument : Pest 10
Sample : L2575576-08,42,, Quant Date : 12/1/2025 5:21 pm

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 85973531



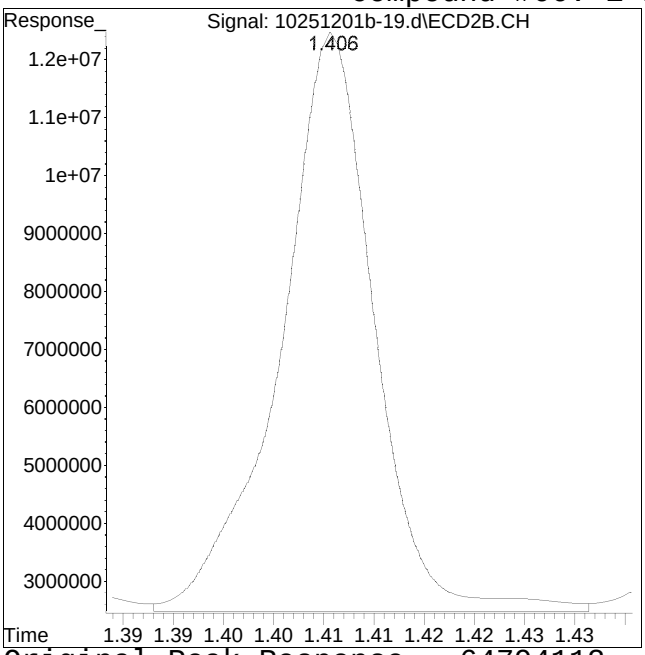
Manual Peak Response = 80065287 M4

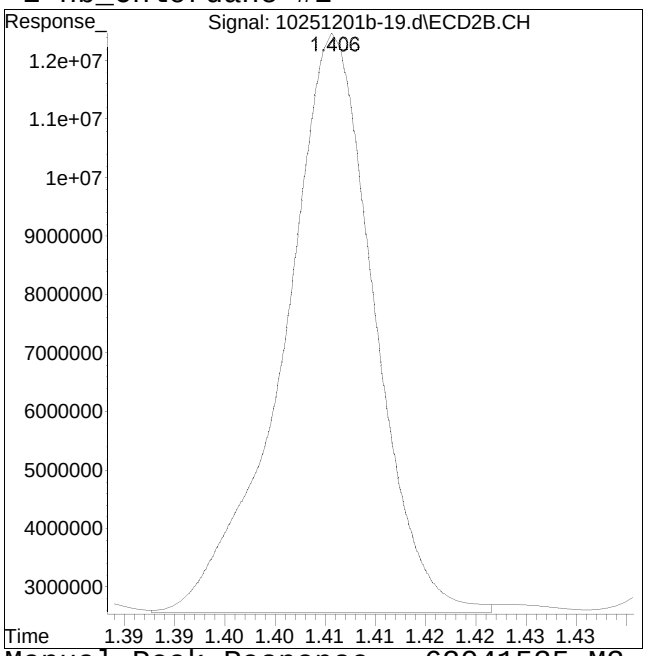
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-19.d Operator : PEST10:ejl
Date Inj'd : 12/1/2025 11:21 am Instrument : Pest 10
Sample : L2575576-08,42,, Quant Date : 12/1/2025 5:21 pm

Compound #66: 1-br-2-nb_Chlordane #2



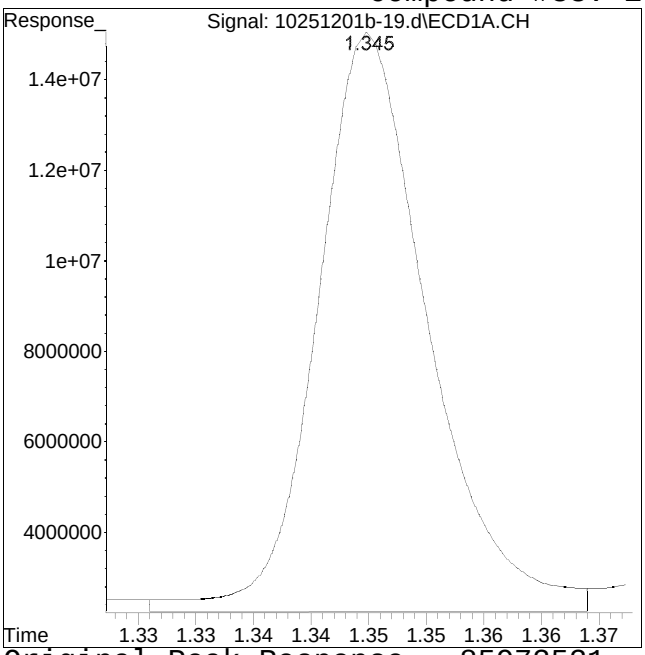


Original Peak Response = 64794112 Manual Peak Response = 62041535 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

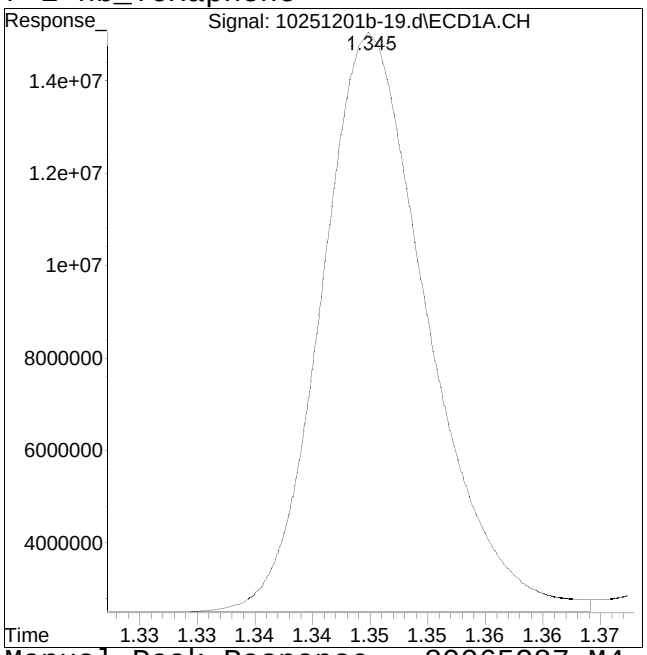
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-19.d Operator : PEST10:ejl
Date Inj'd : 12/1/2025 11:21 am Instrument : Pest 10
Sample : L2575576-08,42,, Quant Date : 12/1/2025 5:21 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 85973531



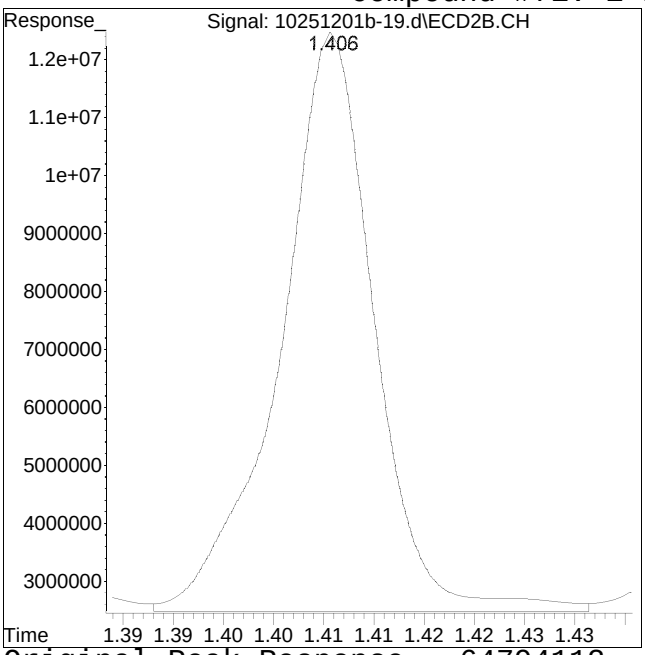
Manual Peak Response = 80065287 M4

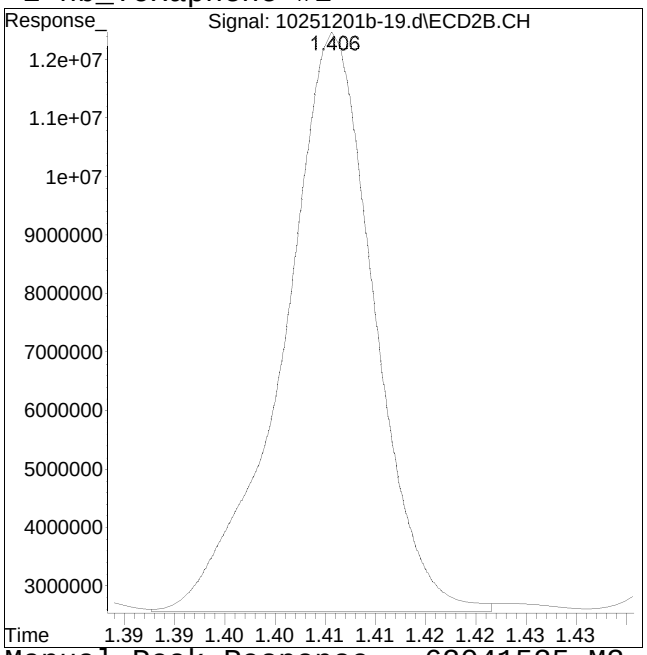
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-19.d Operator : PEST10:ejl
Date Inj'd : 12/1/2025 11:21 am Instrument : Pest 10
Sample : L2575576-08,42,, Quant Date : 12/1/2025 5:21 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 64794112 Manual Peak Response = 62041535 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Pesticides Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Pesticides

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2575576**
Project Name	**: 1000 TURK HILL RD GWS**	**Project Number**	**: 3113.0001Y000**
Instrument ID	**: PEST10**	**Ical Ref**	**: ICAL22829**
Calibration dates	**: 11/17/25 12:41 11/19/25 15:22**		

Calibration Files

L1 =10251117i-32.d L2 =10251117i-15.d L3 =10251117i-24.d L4 =10251117i-25.d L5 =10251117i-18.d

L6 =10251117i-37.d L7 =10251117i-26.d L8 =10251117i-27.d L9 =10251117i-28.d L10 =10251117i-22.d

L11 =10251117i-42.d

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------												
2)	s	2,4,5,6-Tetrachloro-m-xylene			1.407	1.412	1.361	1.315	1.372	1.339	1.347	1.278	1.267	1.344	3.80
3)	t	Hexachlorobenzene			1.757	1.720	1.642	1.583	1.607	1.495	1.488	1.412	1.410	1.568	8.04
4)	t	alpha-BHC			1.588	1.586	1.531	1.507	1.662	1.738	1.785	1.730	1.755	1.653	6.26
5)	t	gamma-BHC (lindane)		2.246	1.485	1.499	1.436	1.422	1.532	1.563	1.596	1.546	1.567	1.589	14.96
6)	t	beta-BHC			0.813	0.790	0.751	0.736	0.761	0.700	0.700	0.670	0.678	0.733	6.82
7)	t	delta-BHC			1.419	1.445	1.388	1.366	1.495	1.550	1.598	1.556	1.598	1.491	6.01
8)	t	Heptachlor			1.580	1.541	1.472	1.423	1.562	1.542	1.561	1.483	1.474	1.515	3.54
9)	t	Aldrin			1.495	1.469	1.390	1.365	1.530	1.557	1.593	1.534	1.545	1.498	5.14
10)	t	Alachlor			0.261	0.271	0.253	0.250	0.278	0.258	0.246	0.222	0.212	0.250	8.58
11)	t	Chlorpyrifos			0.846	0.805	0.753	0.727	0.778	0.658	0.627	0.575	0.558	0.703	14.64
12)	t	Heptachlor Epoxide			1.408	1.400	1.300	1.277	1.390	1.351	1.368	1.303	1.297	1.344	3.74
13)	t	gamma-Chlordane (trans)			1.558	1.497	1.413	1.361	1.528	1.509	1.543	1.487	1.524	1.491	4.32
14)	t	alpha-Chlordane (cis)			1.569	1.536	1.423	1.385	1.534	1.492	1.516	1.455	1.484	1.488	3.96
15)	t	4,4'-DDE			1.446	1.426	1.315	1.285	1.500	1.537	1.585	1.530	1.565	1.465	7.31
16)	t	Endosulfan I			1.419	1.404	1.318	1.276	1.412	1.369	1.392	1.326	1.335	1.361	3.66
17)	t	Dieldrin	2.254	2.177	1.470	1.453	1.346	1.309	1.467	1.466	1.500	1.441	1.458	*L	0.999
18)	t	Endrin			1.428	1.403	1.324	1.276	1.431	1.418	1.442	1.375	1.386	1.387	3.97
19)	t	4,4'-DDD			1.164	1.140	1.054	1.030	1.181	1.177	1.205	1.159	1.182	1.144	5.29
20)	t	Endosulfan II			1.350	1.318	1.230	1.194	1.317	1.276	1.293	1.231	1.236	1.271	4.08
21)	t	4,4'-DDT			1.181	1.180	1.090	1.053	1.217	1.201	1.229	1.183	1.208	1.171	5.12
22)	t	Endrin Aldehyde			1.050	1.011	0.959	0.935	1.026	0.986	1.000	0.955	0.948	0.985	3.99
23)	t	Methoxychlor			0.717	0.704	0.666	0.643	0.726	0.647	0.633	0.594	0.585	0.657	7.72
24)	t	Mirex			1.308	1.265	1.156	1.108	1.192	1.044	1.020	0.962	0.969	1.114	11.26
25)	t	Endosulfan Sulfate			1.280	1.256	1.155	1.129	1.226	1.142	1.148	1.086	1.097	1.169	5.91
26)	t	Endrin Ketone			1.454	1.421	1.333	1.303	1.429	1.341	1.337	1.262	1.254	1.348	5.37
27)	s	Decachlorobiphenyl			1.395	1.355	1.224	1.196	1.302	1.143	1.111	1.048	1.042	1.202	10.69
28)	i	1-br-2-nb_Chlordane	----------ISTD----------												
29)	l	chlordane-1		0.055	0.054	0.050	0.051		0.048	0.049	0.049	0.046		0.050	5.90
30)	l	chlordane-3		0.072	0.071	0.066	0.068		0.059	0.059	0.056	0.052		0.063	11.78
31)	l	chlordane-4		0.225	0.220	0.206	0.208		0.198	0.202	0.197	0.186		0.205	6.18
32)	l	chlordane-5		0.355	0.343	0.319	0.321		0.305	0.309	0.300	0.282		0.317	7.36
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------												
34)	l	toxaphene-1			0.041	0.051			0.068	0.065	0.060			*L	0.997
35)	l	toxaphene-2			0.038	0.036			0.051	0.049	0.046			*L	0.997
36)	l	toxaphene-4			0.021	0.024			0.038	0.035	0.034			*L	0.997

Initial Calibration Summary
Form 6
Pesticides

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2575576**
Project Name	**: 1000 TURK HILL RD GWS**	**Project Number**	**: 3113.0001Y000**
Instrument ID	**: PEST10**	**Ical Ref**	**: ICAL22829**
Calibration dates	**: 11/17/25 12:41 11/19/25 15:22**		

Calibration Files
L1 =10251117i-32.d L2 =10251117i-15.d L3 =10251117i-24.d L4 =10251117i-25.d L5 =10251117i-18.d
L6 =10251117i-37.d L7 =10251117i-26.d L8 =10251117i-27.d L9 =10251117i-28.d L10 =10251117i-22.d
L11 =10251117i-42.d

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	Avg	%RSD
37)	l	toxaphene-5			0.040	0.037			0.045	0.043	0.039			*L 0.997	
		*** Signal #2 ***													
1)	i	1-br-2-nb_Pesticides	----------ISTD----------												
2)	s	2,4,5,6-Tetrachloro-m-xylene			1.361	1.287	1.223	1.203	1.225	1.219	1.280	1.250	1.255	1.256	
3)	t	Hexachlorobenzene			1.526	1.491	1.393	1.370	1.371	1.308	1.351	1.313	1.329	1.384	5.54
4)	t	alpha-BHC			1.512	1.512	1.454	1.446	1.578	1.741	1.874	1.880	1.950	1.661	12.10
5)	t	gamma-BHC (lindane)		2.145	1.454	1.436	1.370	1.368	1.458	1.544	1.653	1.650	1.714	1.579	14.76
6)	t	beta-BHC			0.805	0.788	0.752	0.728	0.750	0.696	0.719	0.701	0.722	0.740	5.03
7)	t	delta-BHC			1.383	1.377	1.311	1.300	1.417	1.546	1.673	1.683	1.775	1.496	11.86
8)	t	Heptachlor			1.439	1.434	1.348	1.318	1.416	1.447	1.528	1.512	1.557	1.444	5.51
9)	t	Aldrin			1.404	1.419	1.313	1.299	1.434	1.500	1.607	1.604	1.663	1.471	8.90
10)	t	Alachlor			0.234	0.244	0.230	0.225	0.243	0.228	0.225	0.208	0.204	0.227	6.05
11)	t	Chlorpyrifos			0.774	0.794	0.739	0.719	0.761	0.668	0.660	0.622	0.621	0.706	9.32
12)	t	Heptachlor Epoxide			1.331	1.313	1.235	1.229	1.315	1.310	1.380	1.362	1.404	1.320	4.50
13)	t	gamma-Chlordane (trans)			1.409	1.410	1.303	1.298	1.416	1.435	1.522	1.521	1.596	1.434	6.90
14)	t	alpha-Chlordane (cis)			1.422	1.412	1.322	1.293	1.418	1.418	1.498	1.485	1.550	1.424	5.69
15)	t	4,4'-DDE			1.273	1.268	1.182	1.176	1.352	1.440	1.559	1.561	1.635	1.383	12.50
16)	t	Endosulfan I			1.294	1.298	1.197	1.178	1.286	1.302	1.371	1.354	1.399	1.298	5.67
17)	t	Dieldrin	2.028	1.962	1.302	1.302	1.213	1.199	1.337	1.380	1.476	1.467	1.530	1.472	18.96
18)	t	Endrin			1.263	1.267	1.164	1.155	1.281	1.311	1.389	1.383	1.440	1.295	7.57
19)	t	4,4'-DDD			0.980	0.965	0.915	0.896	1.019	1.061	1.132	1.141	1.205	1.035	10.37
20)	t	Endosulfan II			1.185	1.152	1.076	1.061	1.153	1.167	1.224	1.207	1.261	1.165	5.59
21)	t	4,4'-DDT			1.052	1.027	0.943	0.928	1.057	1.042	1.108	1.104	1.172	1.048	7.40
22)	t	Endrin Aldehyde			0.879	0.894	0.832	0.845	0.924	0.911	0.955	0.940	0.964	0.905	5.16
23)	t	Methoxychlor			0.618	0.619	0.571	0.565	0.623	0.558	0.562	0.541	0.559	0.580	5.41
24)	t	Mirex			1.161	1.110	1.017	0.999	1.051	0.918	0.920	0.874	0.893	0.994	10.11
25)	t	Endosulfan Sulfate			1.122	1.114	1.030	1.018	1.107	1.056	1.102	1.085	1.134	1.085	3.81
26)	t	Endrin Ketone			1.270	1.241	1.168	1.155	1.245	1.205	1.251	1.220	1.273	1.225	3.44
27)	s	Decachlorobiphenyl			1.197	1.197	1.088	1.089	1.157	1.037	1.033	0.983	0.995	1.086	7.53
28)	i	1-br-2-nb_Chlordane	----------ISTD----------												
29)	l	chlordane-1		0.056	0.053	0.050	0.049		0.045	0.046	0.045	0.045		0.049	8.81
30)	l	chlordane-3		0.066	0.068	0.064	0.061		0.053	0.053	0.050	0.048		0.058	13.22
31)	l	chlordane-4		0.205	0.195	0.181	0.180		0.171	0.182	0.179	0.177		0.184	5.90
32)	l	chlordane-5		0.168	0.164	0.150	0.149		0.137	0.145	0.142	0.140		0.149	7.51
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------												
34)	l	toxaphene-1			0.016	0.016			0.024	0.024	0.023			0.021	20.27

Initial Calibration Summary
Form 6
Pesticides

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2575576**
Project Name	**: 1000 TURK HILL RD GWS**	**Project Number**	**: 3113.0001Y000**
Instrument ID	**: PEST10**	**Ical Ref**	**: ICAL22829**
Calibration dates	**: 11/17/25 12:41 11/19/25 15:22**		

Calibration Files

L1 =10251117i-32.d L2 =10251117i-15.d L3 =10251117i-24.d L4 =10251117i-25.d L5 =10251117i-18.d

L6 =10251117i-37.d L7 =10251117i-26.d L8 =10251117i-27.d L9 =10251117i-28.d L10 =10251117i-22.d

L11 =10251117i-42.d

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	Avg	%RSD
35) l	toxaphene-2			0.030	0.028			0.036	0.035	0.035			0.033	10.13
36) l	toxaphene-4			0.031	0.033			0.041	0.041	0.040			0.037	13.12
37) l	toxaphene-5			0.036	0.034			0.037	0.037	0.036			0.036	3.01

Response Factor Report Pest 10

Method Path : I:\PEST\Pest10\2025\251117ical\
Method File : pest10_2025_11_17_ugL_ICAL.m
Title : pest
Last Update : Thu Nov 20 10:40:29 2025
Response Via : Initial Calibration

Calibration Files
L1 =10251117i-32.d L2 =10251117i-15.d L3 =10251117i-24.d L4 =10251117i-25.d L5 =10251117i-18.d
L6 =10251117i-37.d L7 =10251117i-26.d L8 =10251117i-27.d L9 =10251117i-28.d L10 =10251117i-22.d
L11 =10251117i-42.d

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------												
2)	s	2,4,5,6-Tetrachloro-m-xylene			1.407	1.412	1.361	1.315	1.372	1.339	1.347	1.278	1.267	1.344	3.80
3)	t	Hexachlorobenzene			1.757	1.720	1.642	1.583	1.607	1.495	1.488	1.412	1.410	1.568	8.04
4)	t	alpha-BHC			1.588	1.586	1.531	1.507	1.662	1.738	1.785	1.730	1.755	1.653	6.26
5)	t	gamma-BHC (lindane)		2.246	1.485	1.499	1.436	1.422	1.532	1.563	1.596	1.546	1.567	1.589	14.96
6)	t	beta-BHC			0.813	0.790	0.751	0.736	0.761	0.700	0.700	0.670	0.678	0.733	6.82
7)	t	delta-BHC			1.419	1.445	1.388	1.366	1.495	1.550	1.598	1.556	1.598	1.491	6.01
8)	t	Heptachlor			1.580	1.541	1.472	1.423	1.562	1.542	1.561	1.483	1.474	1.515	3.54
9)	t	Aldrin			1.495	1.469	1.390	1.365	1.530	1.557	1.593	1.534	1.545	1.498	5.14
10)	t	Alachlor			0.261	0.271	0.253	0.250	0.278	0.258	0.246	0.222	0.212	0.250	8.58
11)	t	Chlorpyrifos			0.846	0.805	0.753	0.727	0.778	0.658	0.627	0.575	0.558	0.703	14.64
12)	t	Heptachlor Epoxide			1.408	1.400	1.300	1.277	1.390	1.351	1.368	1.303	1.297	1.344	3.74
13)	t	gamma-Chlordane (trans)			1.558	1.497	1.413	1.361	1.528	1.509	1.543	1.487	1.524	1.491	4.32
14)	t	alpha-Chlordane (cis)			1.569	1.536	1.423	1.385	1.534	1.492	1.516	1.455	1.484	1.488	3.96
15)	t	4,4'-DDE			1.446	1.426	1.315	1.285	1.500	1.537	1.585	1.530	1.565	1.465	7.31
16)	t	Endosulfan I			1.419	1.404	1.318	1.276	1.412	1.369	1.392	1.326	1.335	1.361	3.66
17)	t	Dieldrin	2.254	2.177	1.470	1.453	1.346	1.309	1.467	1.466	1.500	1.441	1.458	*L	0.999
18)	t	Endrin			1.428	1.403	1.324	1.276	1.431	1.418	1.442	1.375	1.386	1.387	3.97
19)	t	4,4'-DDD			1.164	1.140	1.054	1.030	1.181	1.177	1.205	1.159	1.182	1.144	5.29
20)	t	Endosulfan II			1.350	1.318	1.230	1.194	1.317	1.276	1.293	1.231	1.236	1.271	4.08
21)	t	4,4'-DDT			1.181	1.180	1.090	1.053	1.217	1.201	1.229	1.183	1.208	1.171	5.12
22)	t	Endrin Aldehyde			1.050	1.011	0.959	0.935	1.026	0.986	1.000	0.955	0.948	0.985	3.99
23)	t	Methoxychlor			0.717	0.704	0.666	0.643	0.726	0.647	0.633	0.594	0.585	0.657	7.72
24)	t	Mirex			1.308	1.265	1.156	1.108	1.192	1.044	1.020	0.962	0.969	1.114	11.26
25)	t	Endosulfan Sulfate			1.280	1.256	1.155	1.129	1.226	1.142	1.148	1.086	1.097	1.169	5.91
26)	t	Endrin Ketone			1.454	1.421	1.333	1.303	1.429	1.341	1.337	1.262	1.254	1.348	5.37
27)	s	Decachlorobiphenyl			1.395	1.355	1.224	1.196	1.302	1.143	1.111	1.048	1.042	1.202	10.69
28)	i	1-br-2-nb_Chlordane	----------ISTD----------												
29)	l	chlordane-1		0.055	0.054	0.050	0.051		0.048	0.049	0.049	0.046		0.050	5.90
30)	l	chlordane-3		0.072	0.071	0.066	0.068		0.059	0.059	0.056	0.052		0.063	11.78
31)	l	chlordane-4		0.225	0.220	0.206	0.208		0.198	0.202	0.197	0.186		0.205	6.18
32)	l	chlordane-5		0.355	0.343	0.319	0.321		0.305	0.309	0.300	0.282		0.317	7.36
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------												
34)	l	toxaphene-1			0.041	0.051			0.068	0.065	0.060			*L	0.997
35)	l	toxaphene-2			0.038	0.036			0.051	0.049	0.046			*L	0.997
36)	l	toxaphene-4			0.021	0.024			0.038	0.035	0.034			*L	0.997
37)	l	toxaphene-5			0.040	0.037			0.045	0.043	0.039			*L	0.997
		*** Signal #2 ***													
1)	i	1-br-2-nb_Pesticides	----------ISTD----------												
2)	s	2,4,5,6-Tetrachloro-m-xylene			1.361	1.287	1.223	1.203	1.225	1.219	1.280	1.250	1.255	1.256	
3)	t	Hexachlorobenzene			1.526	1.491	1.393	1.370	1.371	1.308	1.351	1.313	1.329	1.384	5.54
4)	t	alpha-BHC			1.512	1.512	1.454	1.446	1.578	1.741	1.874	1.880	1.950	1.661	12.10
5)	t	gamma-BHC (lindane)		2.145	1.454	1.436	1.370	1.368	1.458	1.544	1.653	1.650	1.714	1.579	14.76
6)	t	beta-BHC			0.805	0.788	0.752	0.728	0.750	0.696	0.719	0.701	0.722	0.740	5.03
7)	t	delta-BHC			1.383	1.377	1.311	1.300	1.417	1.546	1.673	1.683	1.775	1.496	11.86

Response Factor Report Pest 10

Method Path : I:\PEST\Pest10\2025\251117ical\
Method File : pest10_2025_11_17_ugL_ICAL.m
Title : pest
Last Update : Thu Nov 20 10:40:29 2025
Response Via : Initial Calibration

Calibration Files
L1 =10251117i-32.d L2 =10251117i-15.d L3 =10251117i-24.d L4 =10251117i-25.d L5 =10251117i-18.d
L6 =10251117i-37.d L7 =10251117i-26.d L8 =10251117i-27.d L9 =10251117i-28.d L10 =10251117i-22.d
L11 =10251117i-42.d

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	Avg	%RSD
8)	t	Heptachlor			1.439	1.434	1.348	1.318	1.416	1.447	1.528	1.512	1.557	1.444	5.51
9)	t	Aldrin			1.404	1.419	1.313	1.299	1.434	1.500	1.607	1.604	1.663	1.471	8.90
10)	t	Alachlor			0.234	0.244	0.230	0.225	0.243	0.228	0.225	0.208	0.204	0.227	6.05
11)	t	Chlorpyrifos			0.774	0.794	0.739	0.719	0.761	0.668	0.660	0.622	0.621	0.706	9.32
12)	t	Heptachlor Epoxide			1.331	1.313	1.235	1.229	1.315	1.310	1.380	1.362	1.404	1.320	4.50
13)	t	gamma-Chlordane (trans)			1.409	1.410	1.303	1.298	1.416	1.435	1.522	1.521	1.596	1.434	6.90
14)	t	alpha-Chlordane (cis)			1.422	1.412	1.322	1.293	1.418	1.418	1.498	1.485	1.550	1.424	5.69
15)	t	4,4'-DDE			1.273	1.268	1.182	1.176	1.352	1.440	1.559	1.561	1.635	1.383	12.50
16)	t	Endosulfan I			1.294	1.298	1.197	1.178	1.286	1.302	1.371	1.354	1.399	1.298	5.67
17)	t	Dieldrin	2.028	1.962	1.302	1.302	1.213	1.199	1.337	1.380	1.476	1.467	1.530	1.472	18.96
18)	t	Endrin			1.263	1.267	1.164	1.155	1.281	1.311	1.389	1.383	1.440	1.295	7.57
19)	t	4,4'-DDD			0.980	0.965	0.915	0.896	1.019	1.061	1.132	1.141	1.205	1.035	10.37
20)	t	Endosulfan II			1.185	1.152	1.076	1.061	1.153	1.167	1.224	1.207	1.261	1.165	5.59
21)	t	4,4'-DDT			1.052	1.027	0.943	0.928	1.057	1.042	1.108	1.104	1.172	1.048	7.40
22)	t	Endrin Aldehyde			0.879	0.894	0.832	0.845	0.924	0.911	0.955	0.940	0.964	0.905	5.16
23)	t	Methoxychlor			0.618	0.619	0.571	0.565	0.623	0.558	0.562	0.541	0.559	0.580	5.41
24)	t	Mirex			1.161	1.110	1.017	0.999	1.051	0.918	0.920	0.874	0.893	0.994	10.11
25)	t	Endosulfan Sulfate			1.122	1.114	1.030	1.018	1.107	1.056	1.102	1.085	1.134	1.085	3.81
26)	t	Endrin Ketone			1.270	1.241	1.168	1.155	1.245	1.205	1.251	1.220	1.273	1.225	3.44
27)	s	Decachlorobiphenyl			1.197	1.197	1.088	1.089	1.157	1.037	1.033	0.983	0.995	1.086	7.53
28)	i	1-br-2-nb_Chlordane	----------		ISTD	----------									
29)	l	chlordane-1		0.056	0.053	0.050	0.049		0.045	0.046	0.045	0.045		0.049	8.81
30)	l	chlordane-3		0.066	0.068	0.064	0.061		0.053	0.053	0.050	0.048		0.058	13.22
31)	l	chlordane-4		0.205	0.195	0.181	0.180		0.171	0.182	0.179	0.177		0.184	5.90
32)	l	chlordane-5		0.168	0.164	0.150	0.149		0.137	0.145	0.142	0.140		0.149	7.51
33)	i	1-br-2-nb_Toxaphene	----------		ISTD	----------									
34)	l	toxaphene-1			0.016	0.016			0.024	0.024	0.023			0.021	20.27
35)	l	toxaphene-2			0.030	0.028			0.036	0.035	0.035			0.033	10.13
36)	l	toxaphene-4			0.031	0.033			0.041	0.041	0.040			0.037	13.12
37)	l	toxaphene-5			0.036	0.034			0.037	0.037	0.036			0.036	3.01

(#) = Out of Range ### Number of calibration levels exceed

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 10:09
Operator : PEST10:akm
Sample : pem10251117i-01,42e,,pp 12284 - (Sig #1); pem-01,42e,,pp 12284 - (Sig #2)
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:28:15 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:24:10 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.361	1.419	56859910	53468078	25.000M4	25.000
	System Monitoring Compounds						
	Target Compounds						
15) t	4,4'-DDE	3.779	4.566	924038	1218109	0.277M2	0.412M3
18) t	Endrin	4.340	5.012	154.2E6	136.5E6	48.867	49.302
19) t	4,4'-DDD	4.444	5.131	675437	1027570	0.260M2	0.464M4 D
21) t	4,4'-DDT	4.729	5.404	270.7E6	225.5E6	101.622	100.576
22) t	Endrin Aldeh	4.986	5.502	329980	274519	0.147M2	0.142M2
26) t	Endrin Keton	5.595	6.138	3628344	3336211	1.183	1.273M4
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 10:09
Operator : PEST10:akm
Sample : pem10251117i-01,42e,,pp 12284 - (Sig #1); pem-01,42e,,pp 12284 - (Sig #2)
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:28:15 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:24:10 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

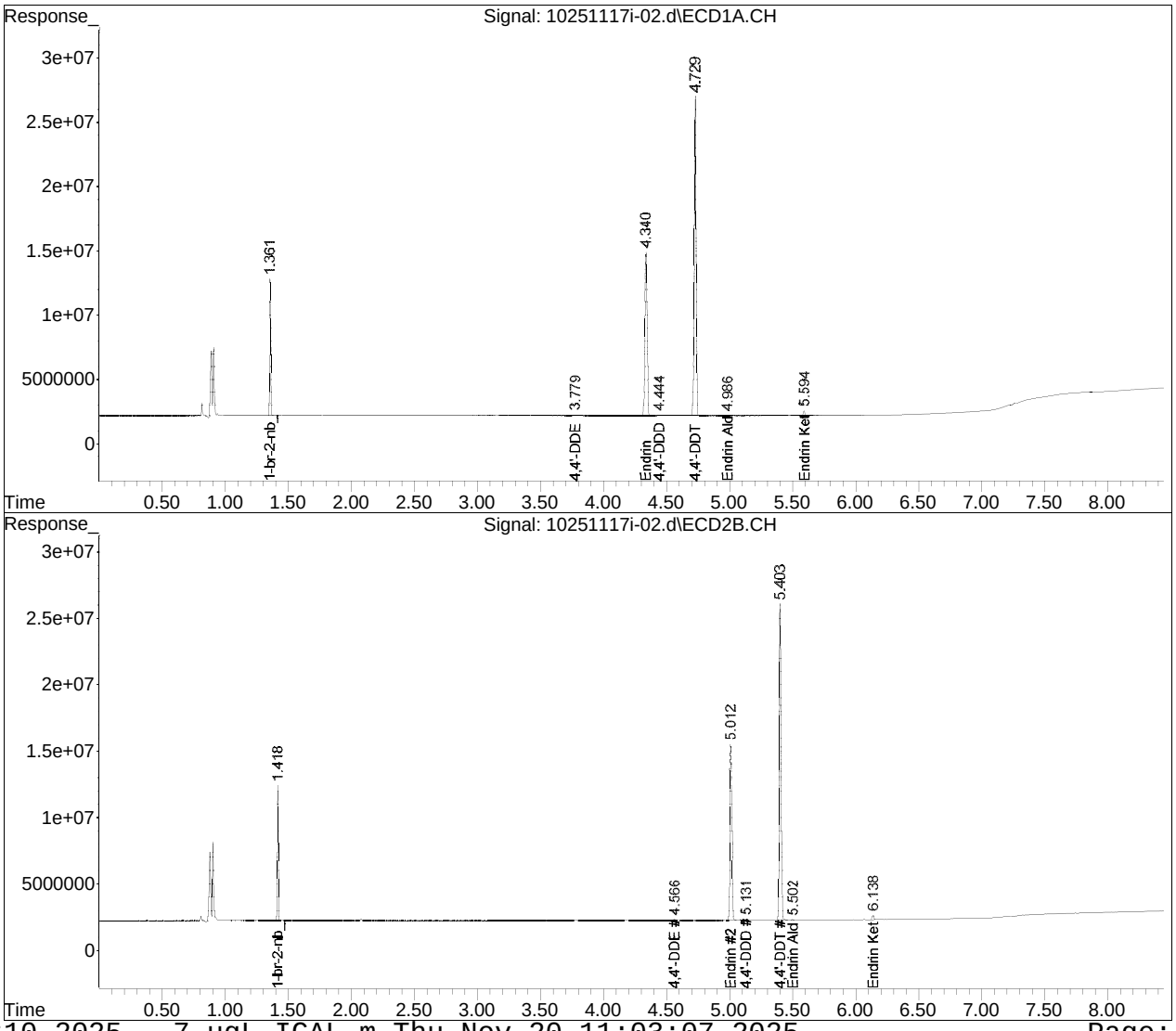
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 10:09
Operator : PEST10:akm
Sample : pem10251117i-01,42e,,pp 12284 - (Sig #1); pem-01,42e,,pp 12284 - (
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:28:15 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:24:10 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

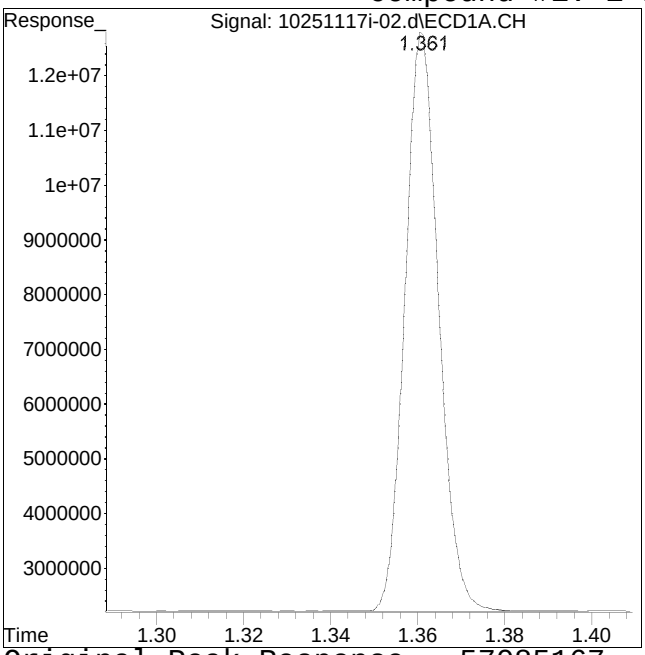
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

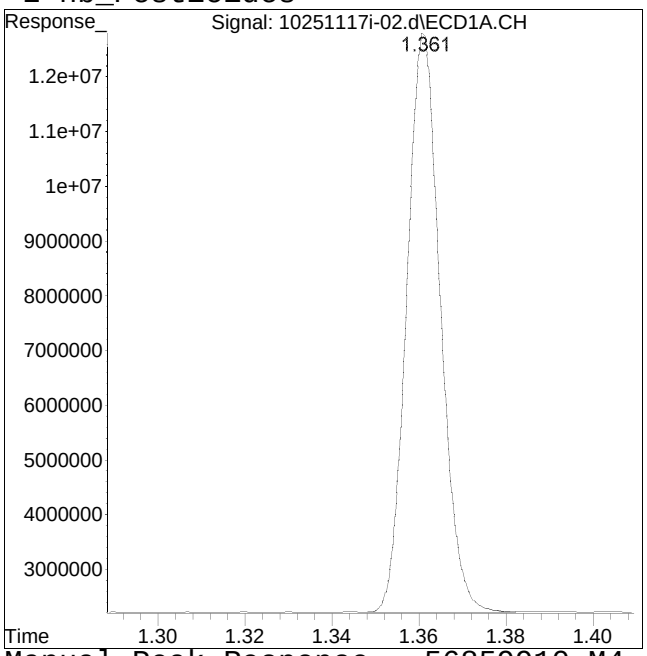


Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-02.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 10:09 Instrument : Pest 10
Sample : pem10251117i-01,42e,,pp 12Quant Date : 11/20/2025 10:28 am

Compound #1: 1-br-2-nb_Pesticides



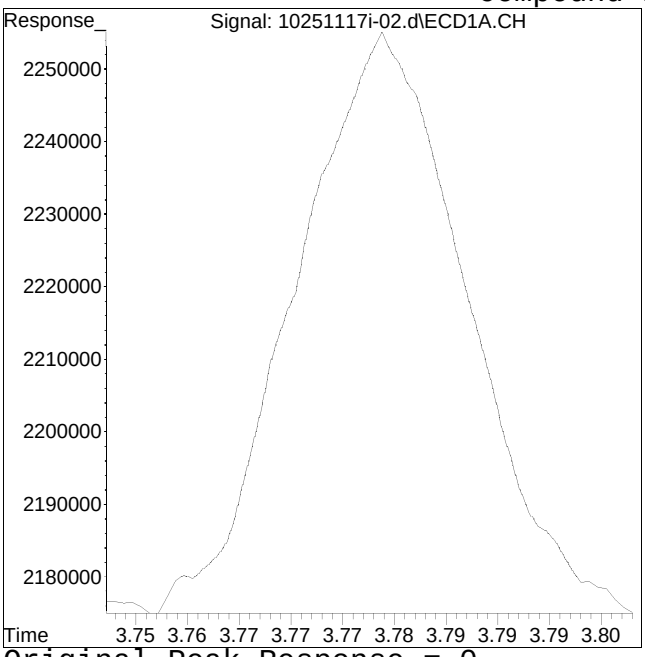


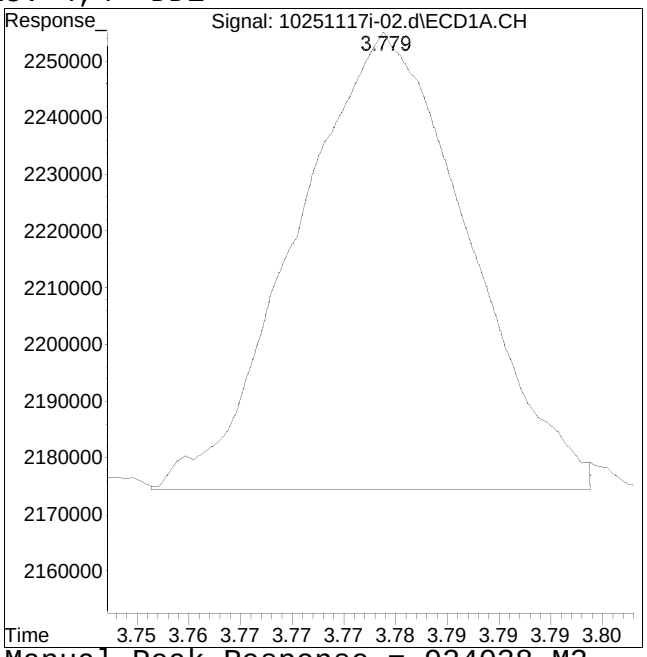
Original Peak Response = 57085167 Manual Peak Response = 56859910 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-02.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 10:09 Instrument : Pest 10
Sample : pem10251117i-01,42e,,pp 12Quant Date : 11/20/2025 10:28 am

Compound #15: 4,4'-DDE



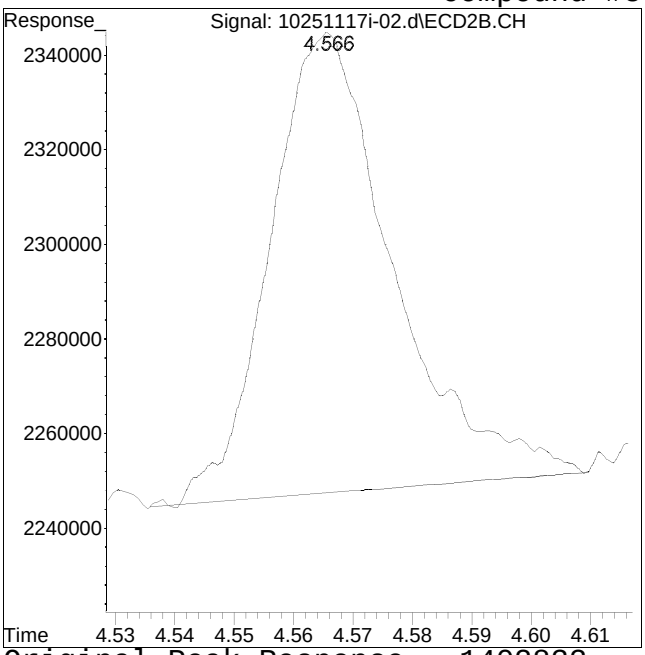


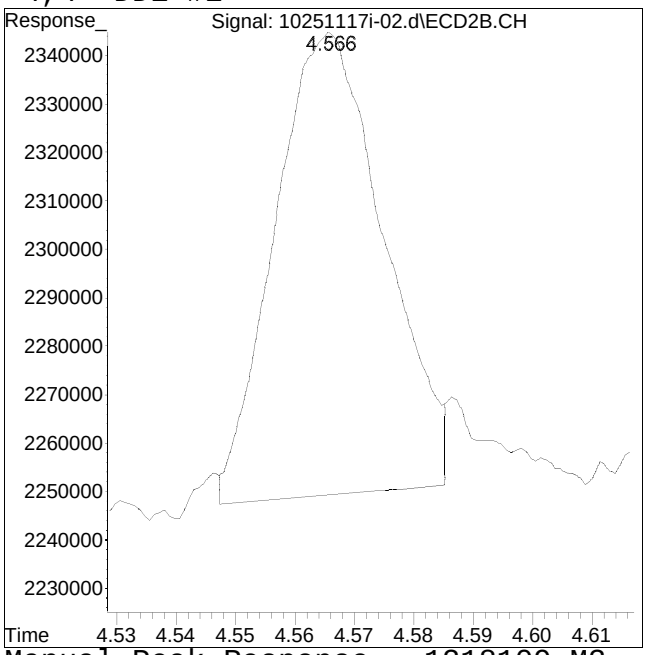
Original Peak Response = 0 Manual Peak Response = 924038 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-02.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 10:09 Instrument : Pest 10
Sample : pem10251117i-01,42e,,pp 12Quant Date : 11/20/2025 10:28 am

Compound #53: 4,4'-DDE #2



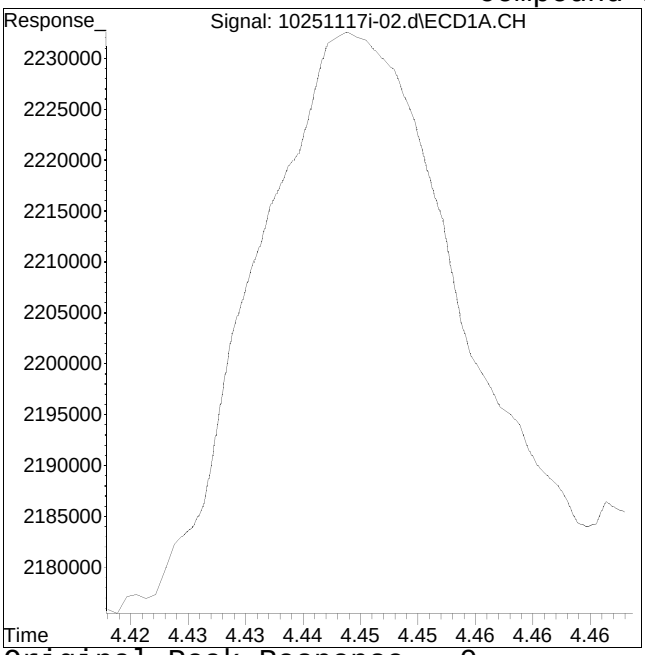


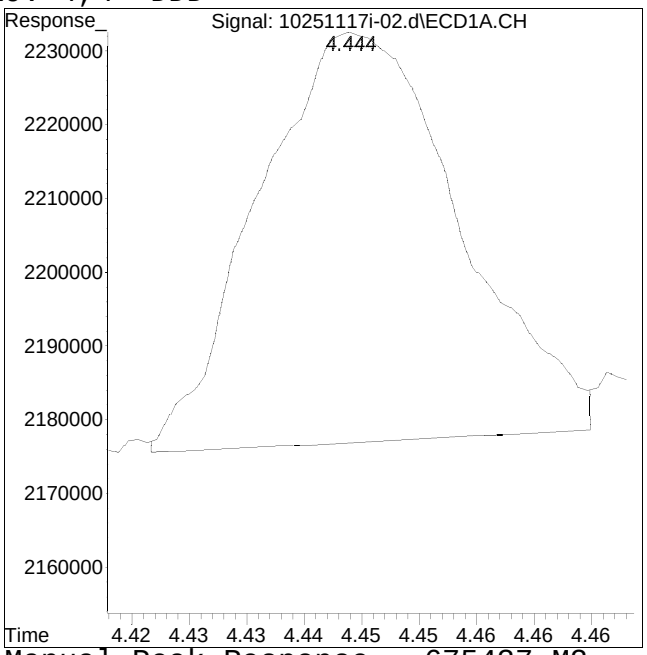
Original Peak Response = 1402833 Manual Peak Response = 1218109 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-02.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 10:09 Instrument : Pest 10
Sample : pem10251117i-01,42e,,pp 12Quant Date : 11/20/2025 10:28 am

Compound #19: 4,4'-DDD





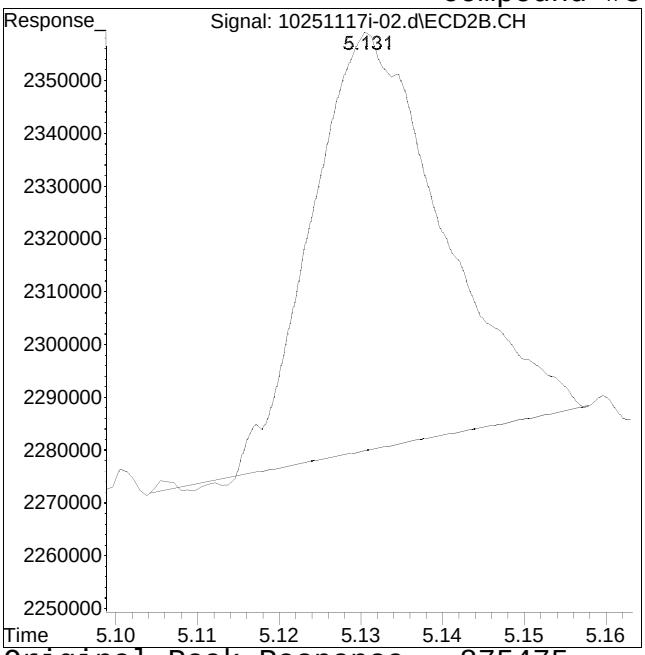
Original Peak Response = 0 Manual Peak Response = 675437 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

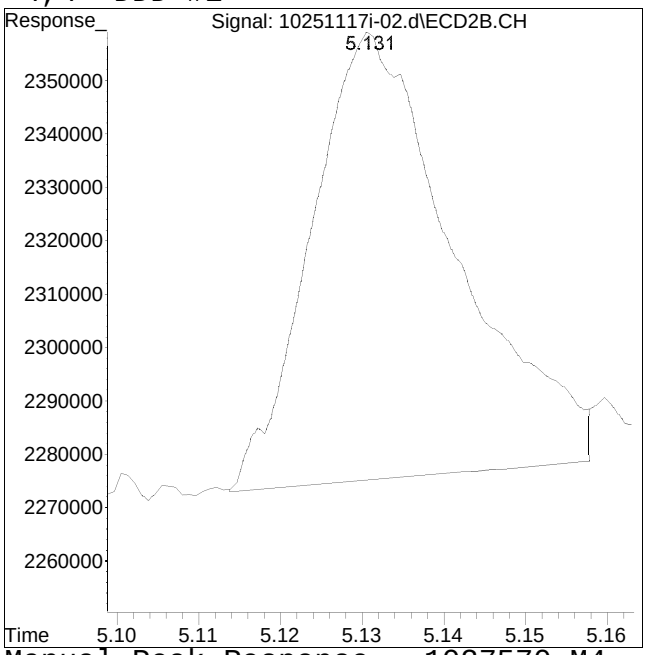
Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-02.d
Date Inj'd : 11/17/2025 10:09
Sample : pem10251117i-01,42e,,pp 12

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 10:28 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 875475



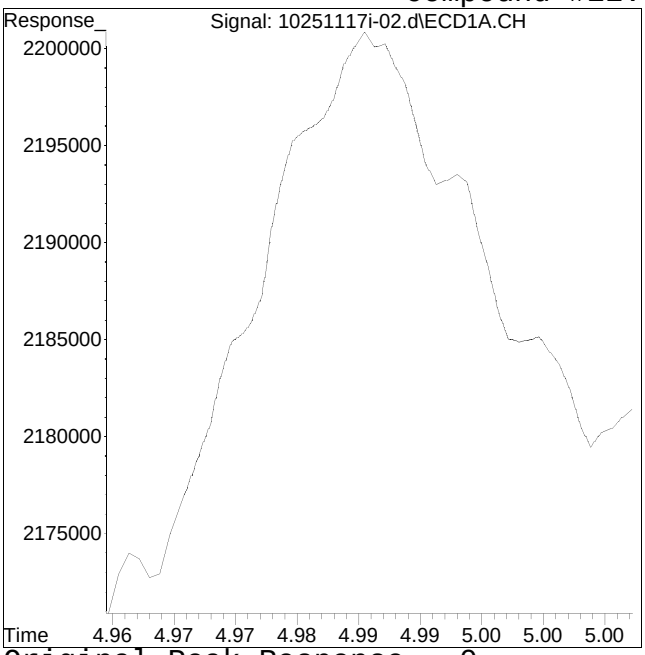
Manual Peak Response = 1027570 M4

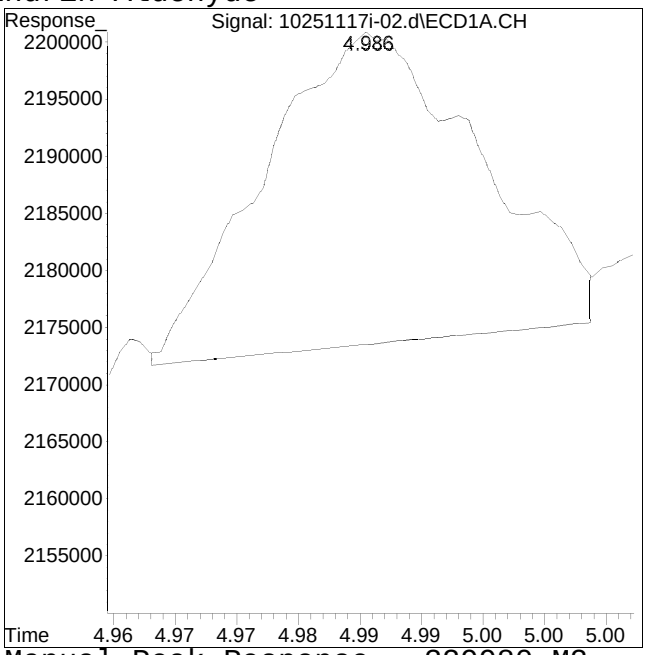
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-02.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 10:09 Instrument : Pest 10
Sample : pem10251117i-01,42e,,pp 12Quant Date : 11/20/2025 10:28 am

Compound #22: Endrin Aldehyde



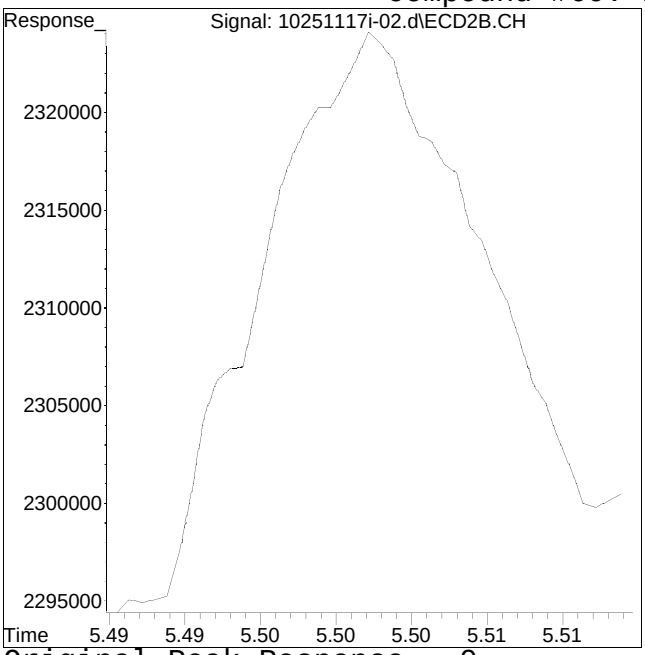


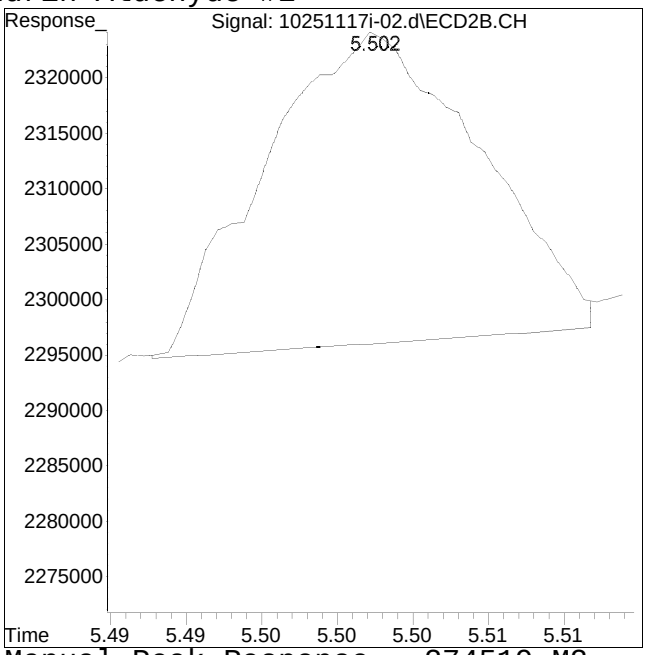
Original Peak Response = 0 Manual Peak Response = 329980 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-02.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 10:09 Instrument : Pest 10
Sample : pem10251117i-01,42e,,pp 12Quant Date : 11/20/2025 10:28 am

Compound #60: Endrin Aldehyde #2



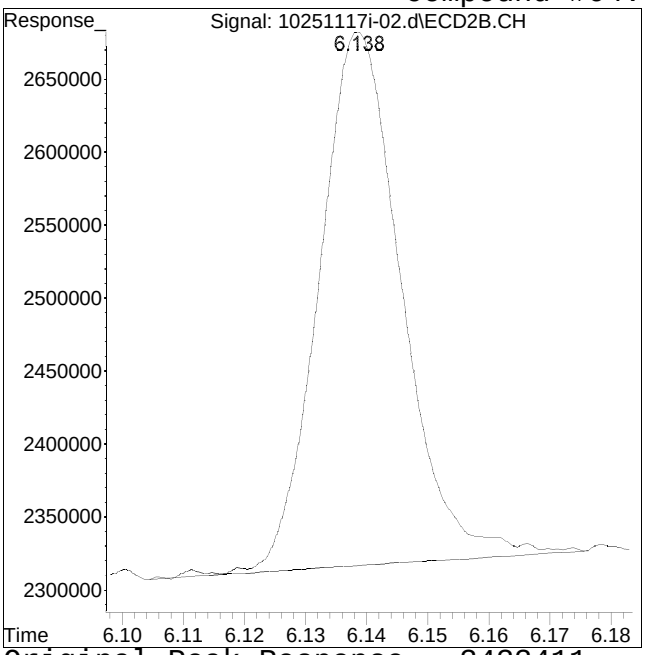


Original Peak Response = 0 Manual Peak Response = 274519 M2
M2 = Peak not found by automatic integration algorithm.

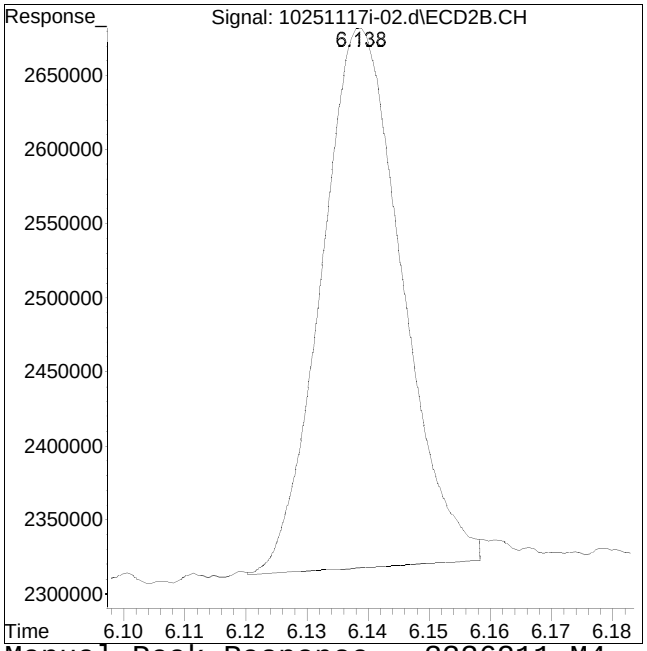
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-02.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 10:09 Instrument : Pest 10
Sample : pem10251117i-01,42e,,pp 12Quant Date : 11/20/2025 10:28 am

Compound #64: Endrin Ketone #2



Original Peak Response = 3433411



Manual Peak Response = 3336211 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 12:41
Operator : PEST10:akm
Sample : il2chlor,42e,,pp 12301 L0.01
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:22:51 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:22:42 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.361	1.420	61646309	55467921	25.000M4	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 12:41
Operator : PEST10:akm
Sample : il2chlor,42e,,pp 12301 L0.01
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:22:51 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:22:42 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.538	2.893	1350616	1251293	11.025M4	11.826
30) l1	chlordane-3	2.967	3.511	1779239	1455295	11.711M4	11.556
31) l1	chlordane-4	3.537	4.204	5554357	4550372	11.126	11.346M4
32) l1	chlordane-5	3.666	4.372	8748757	3722790	11.391M4	11.435
Sum	chlordane-1			17432968	10979750	NoCal	NoCal D
Average	chlordane-1					11.313	11.541
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

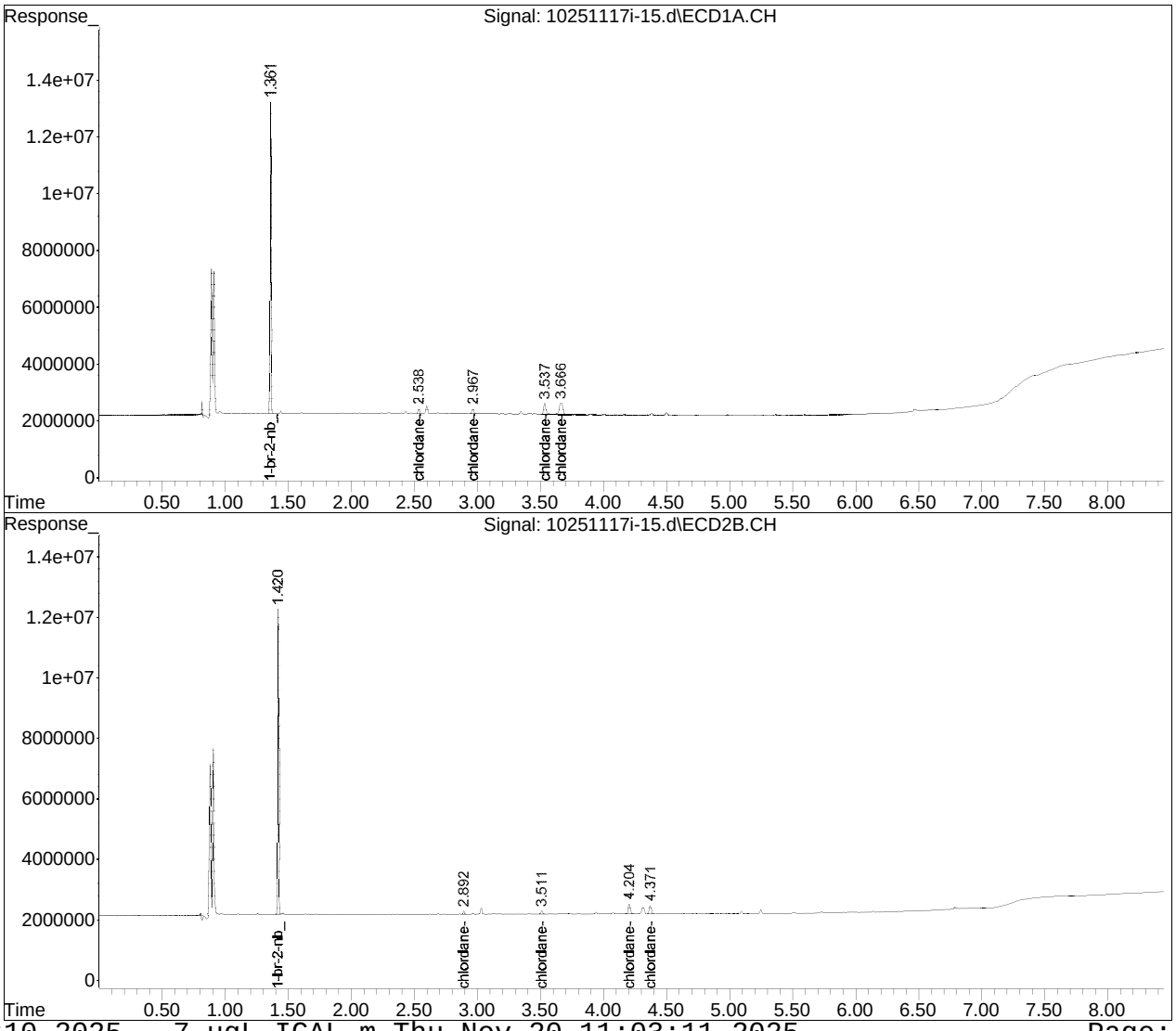
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 12:41
Operator : PEST10:akm
Sample : il2chlor,42e,,pp 12301 L0.01
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:22:51 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:22:42 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

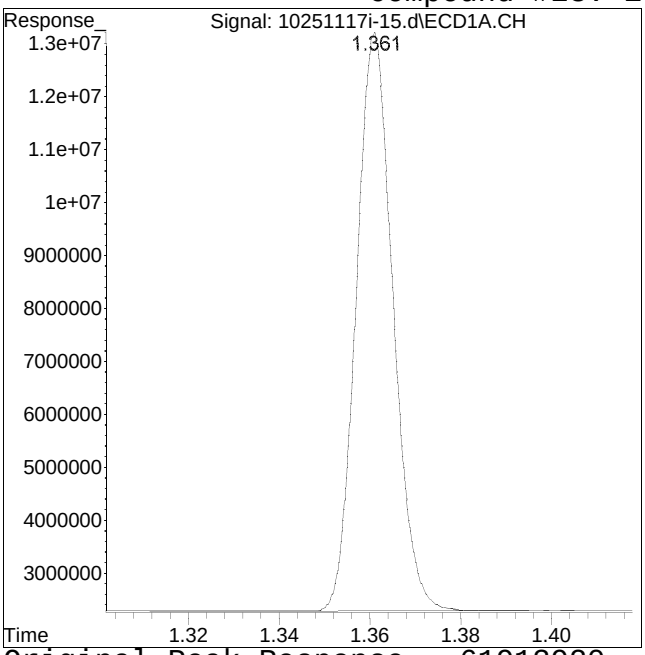
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



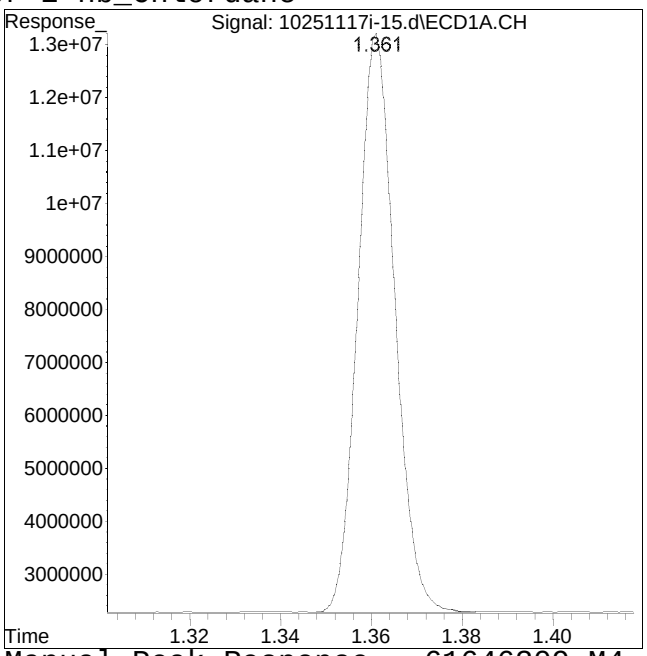
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-15.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 12:41 Instrument : Pest 10
Sample : il2chlor,42e,,pp 12301 L0.Quant Date : 11/20/2025 10:22 am

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 61913920



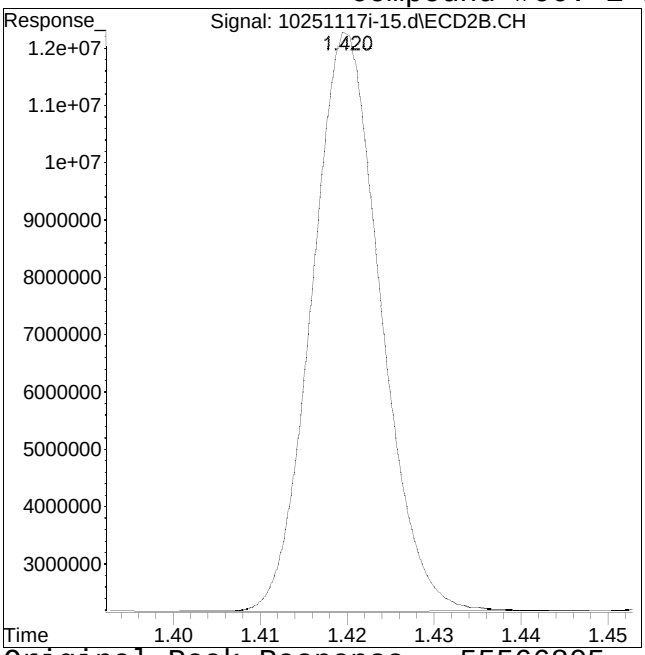
Manual Peak Response = 61646309 M4

M4 = Poor automated baseline construction.

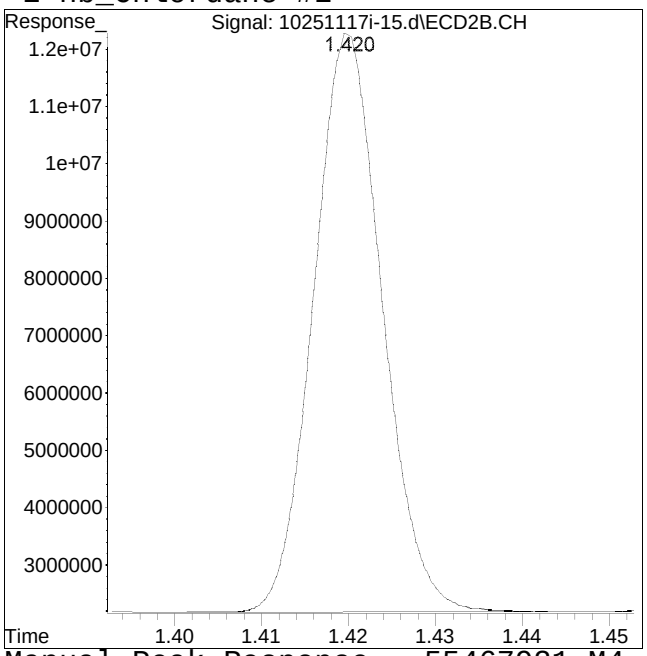
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-15.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 12:41 Instrument : Pest 10
Sample : il2chlor,42e,,pp 12301 L0.Quant Date : 11/20/2025 10:22 am

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 55566805



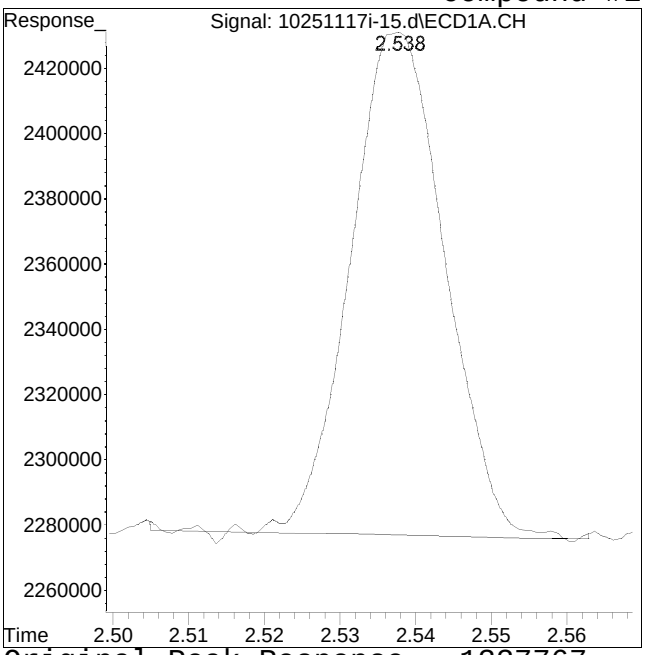
Manual Peak Response = 55467921 M4

M4 = Poor automated baseline construction.

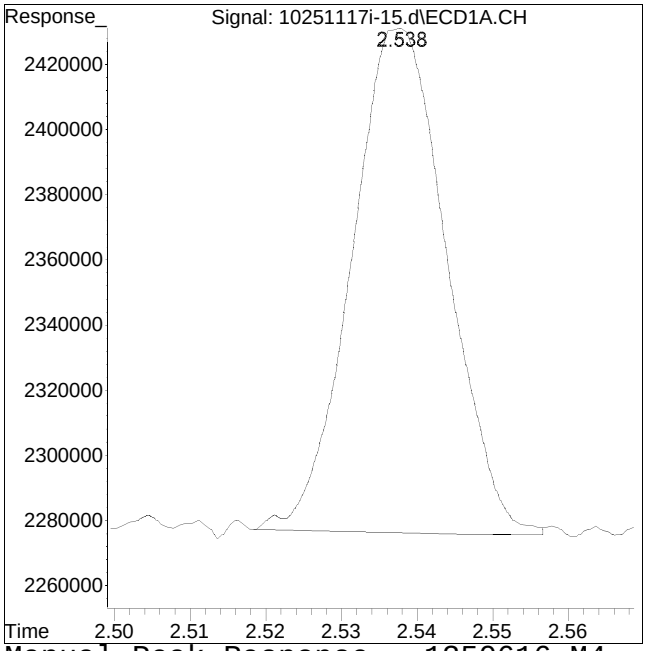
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-15.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 12:41 Instrument : Pest 10
Sample : il2chlor,42e,,pp 12301 L0.Quant Date : 11/20/2025 10:22 am

Compound #29: chlordane-1



Original Peak Response = 1337767



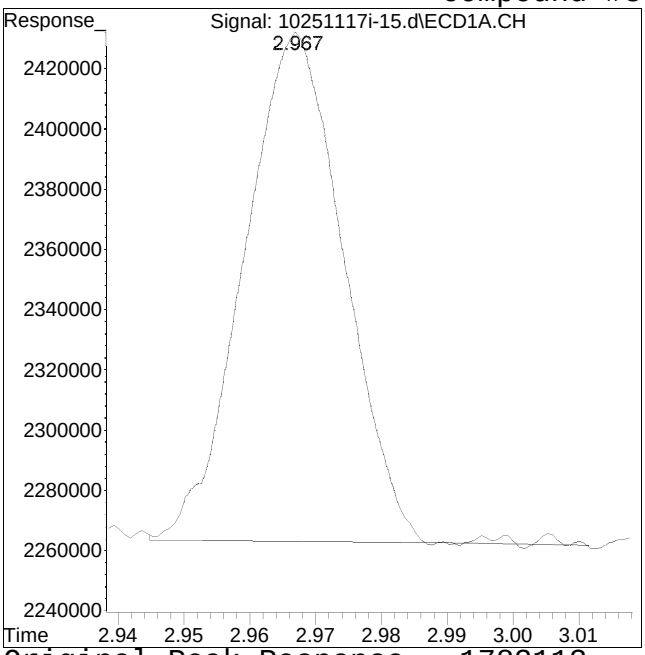
Manual Peak Response = 1350616 M4

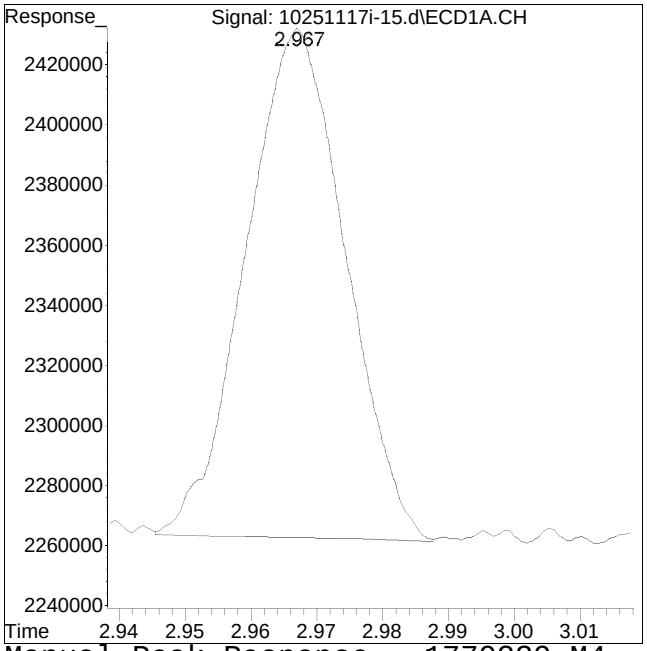
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-15.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 12:41 Instrument : Pest 10
Sample : il2chlor,42e,,pp 12301 L0.Quant Date : 11/20/2025 10:22 am

Compound #30: chlordane-3



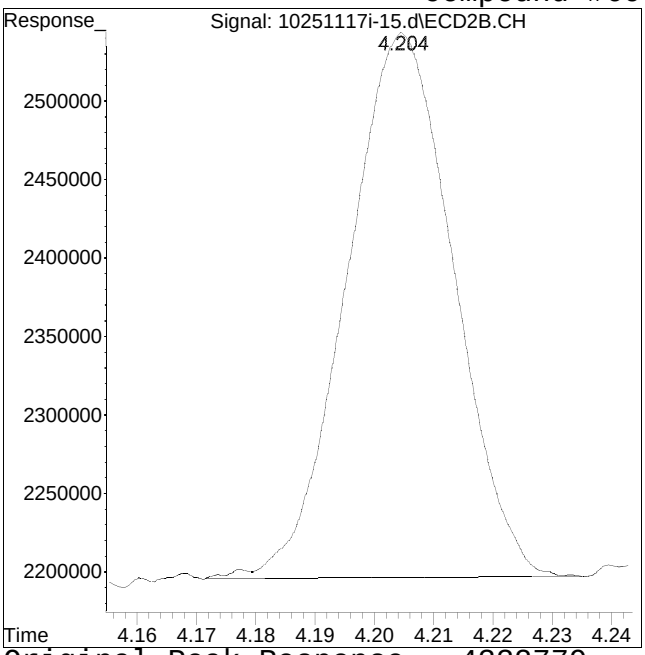


Original Peak Response = 1783113 Manual Peak Response = 1779239 M4
M4 = Poor automated baseline construction.

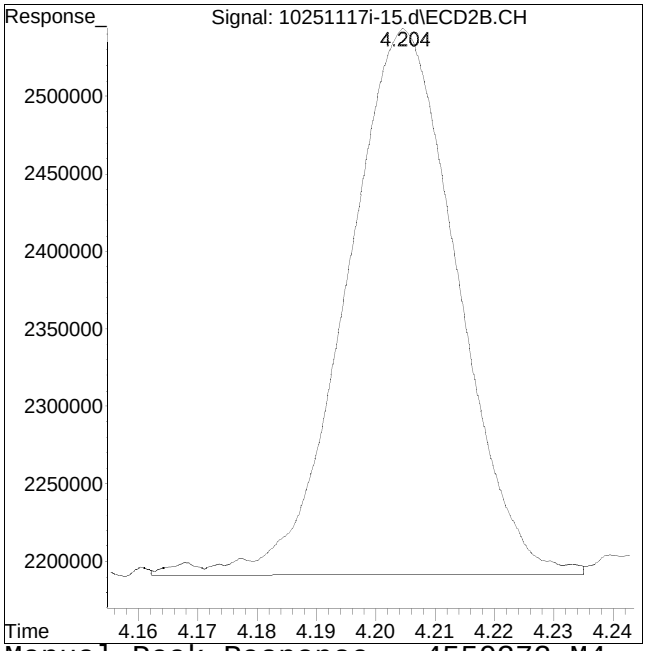
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-15.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 12:41 Instrument : Pest 10
Sample : il2chlor,42e,,pp 12301 L0.Quant Date : 11/20/2025 10:22 am

Compound #69: chlordane-4 #2



Original Peak Response = 4332779



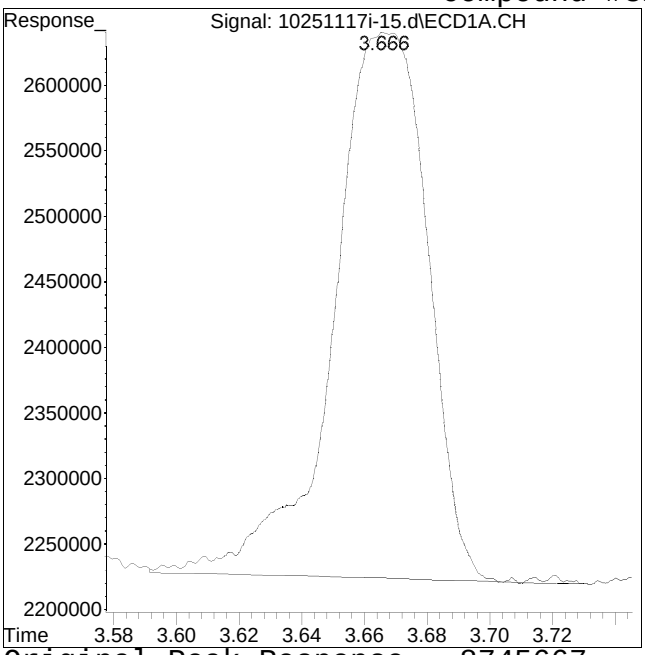
Manual Peak Response = 4550372 M4

M4 = Poor automated baseline construction.

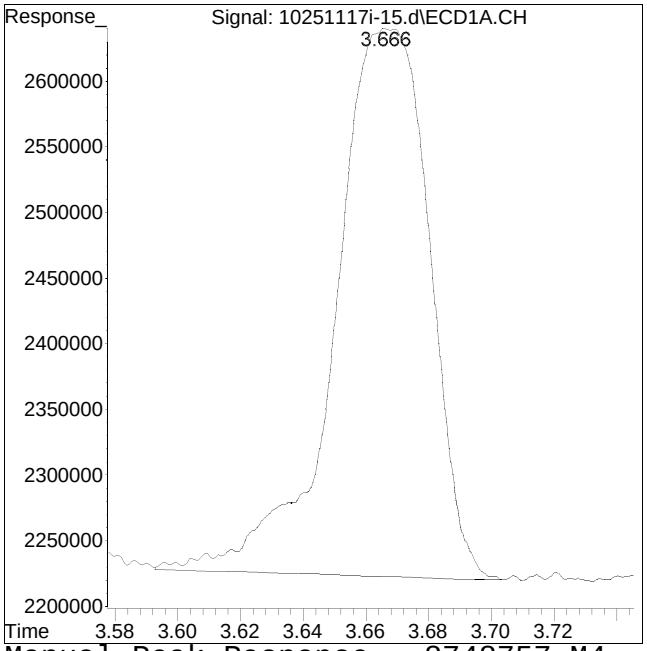
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-15.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 12:41 Instrument : Pest 10
Sample : il2chlor,42e,,pp 12301 L0.Quant Date : 11/20/2025 10:22 am

Compound #32: chlordane-5



Original Peak Response = 8745667



Manual Peak Response = 8748757 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 12:53
Operator : PEST10:akm
Sample : il3chlor,42e,,pp 12301 L0.02
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:21:18 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:21:10 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28)	i	1-br-2-nb_Ch	1.361	1.420	60746191	54748403	25.000M4	25.000M4
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
		Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27)	s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
		Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
		Target Compounds						
3)	t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 12:53
Operator : PEST10:akm
Sample : il3chlor,42e,,pp 12301 L0.02
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:21:18 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:21:10 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.538	2.893	2635015	2333814	22.166M4	22.793
30) l1	chlordane-3	2.967	3.511	3448186	2970814	23.629M4	24.702
31) l1	chlordane-4	3.537	4.204	10697358	8535612	22.066	21.848M4
32) l1	chlordane-5	3.667	4.370	16674452	7195493	22.410	22.848M4
Sum	chlordane-1			33455011	21035733	NoCal	NoCal D
Average	chlordane-1					22.568	23.048
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

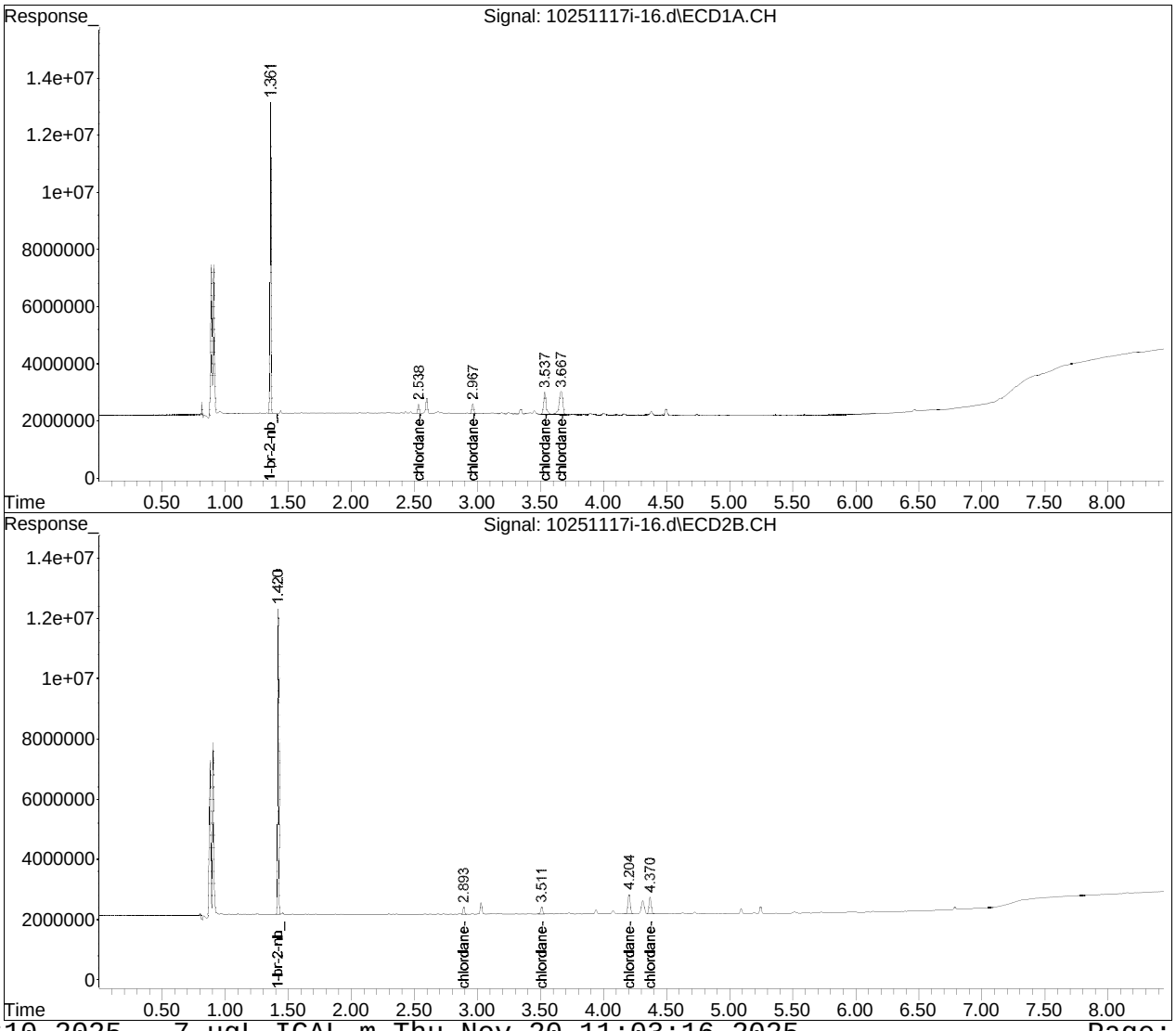
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 12:53
Operator : PEST10:akm
Sample : il3chlor,42e,,pp 12301 L0.02
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:21:18 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:21:10 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

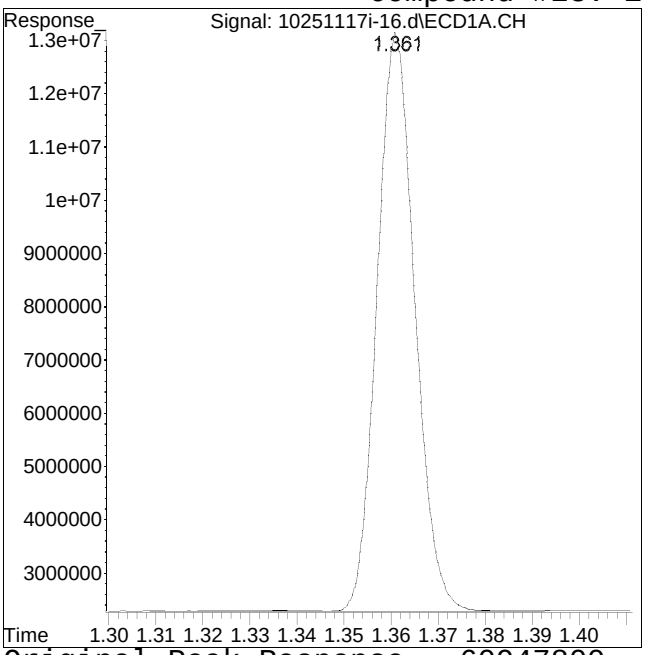
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



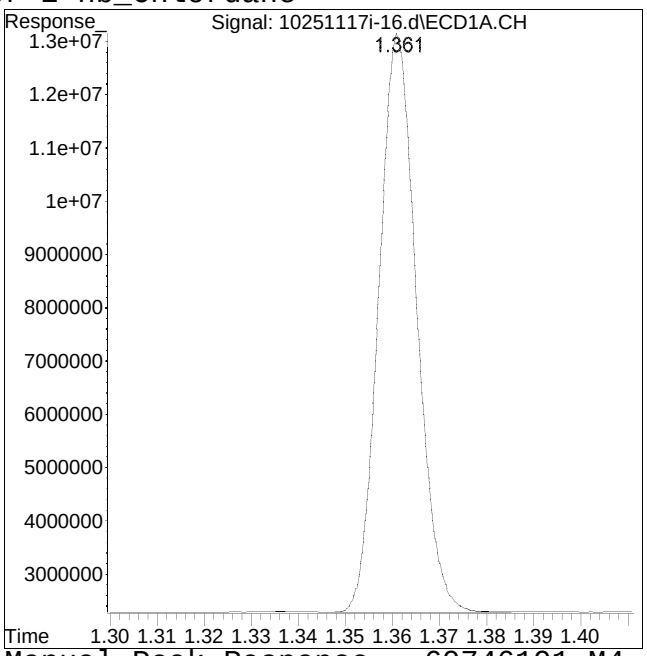
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-16.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 12:53 Instrument : Pest 10
Sample : il3chlor,42e,,pp 12301 L0.Quant Date : 11/20/2025 10:21 am

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 60947800



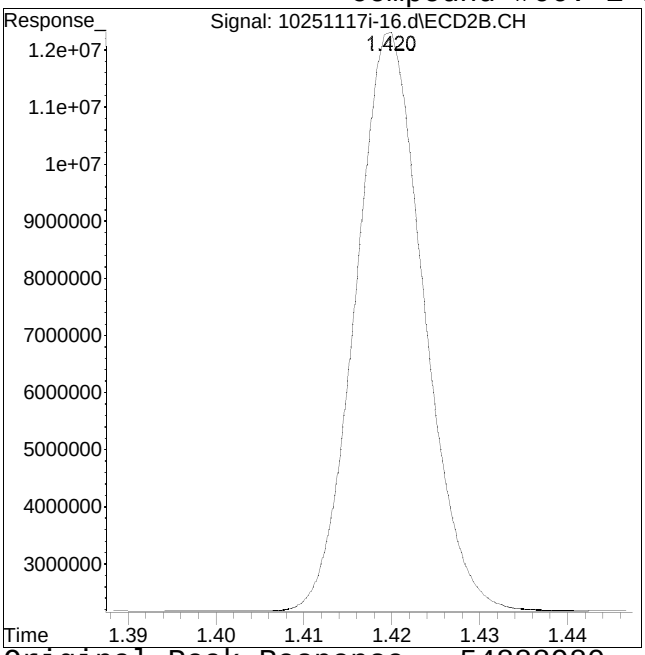
Manual Peak Response = 60746191 M4

M4 = Poor automated baseline construction.

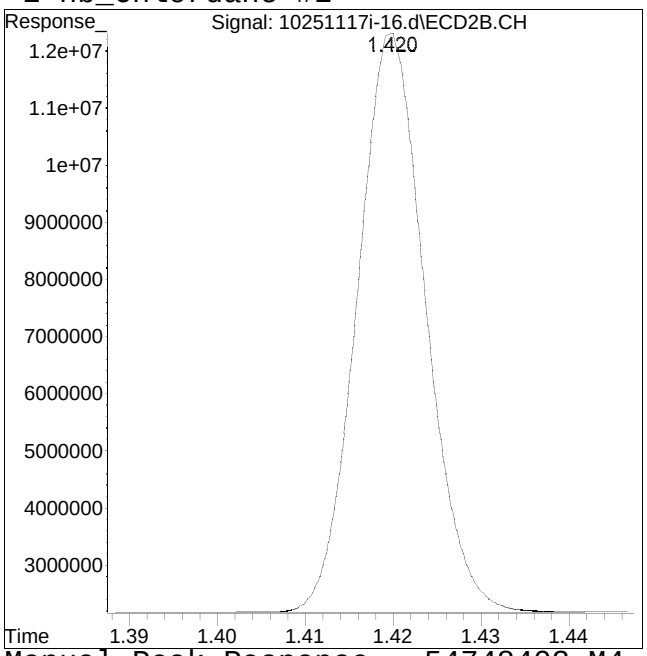
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-16.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 12:53 Instrument : Pest 10
Sample : il3chlor,42e,,pp 12301 L0.Quant Date : 11/20/2025 10:21 am

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 54888980



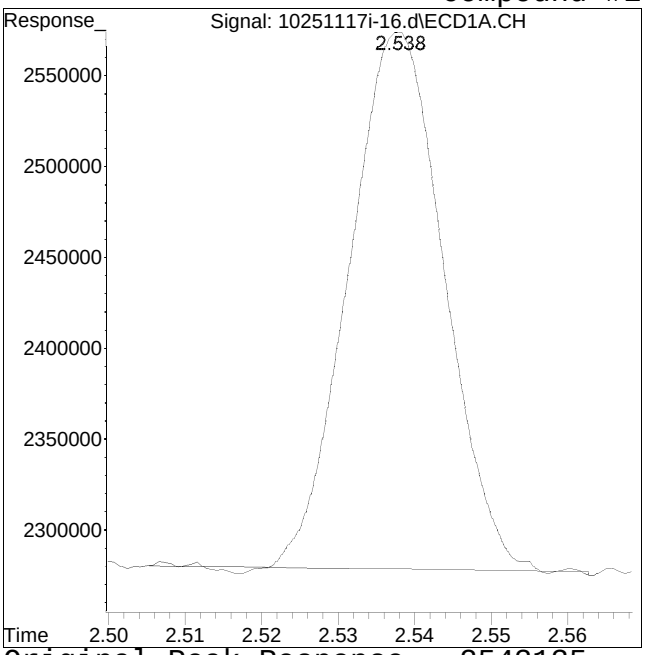
Manual Peak Response = 54748403 M4

M4 = Poor automated baseline construction.

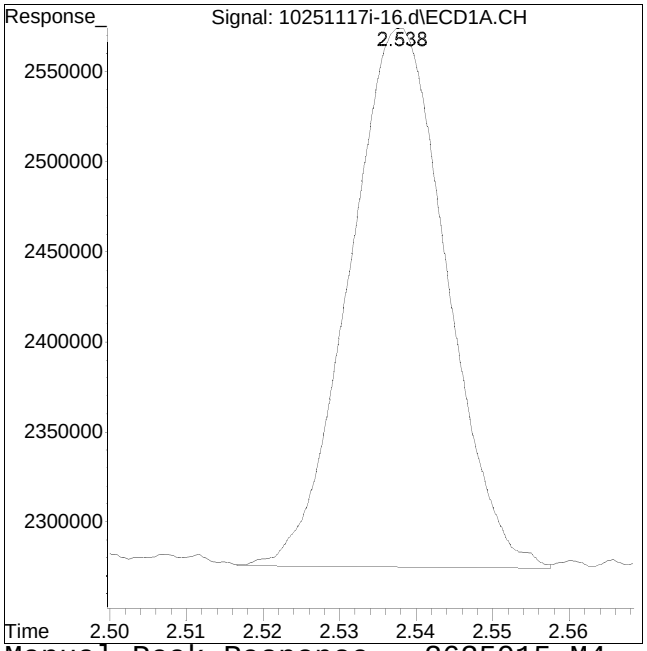
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-16.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 12:53 Instrument : Pest 10
Sample : il3chlor,42e,,pp 12301 L0.Quant Date : 11/20/2025 10:21 am

Compound #29: chlordane-1



Original Peak Response = 2543135



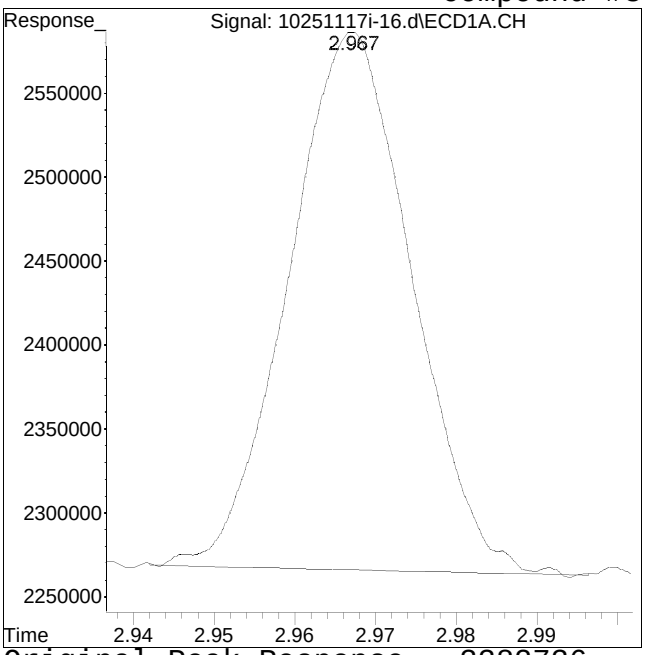
Manual Peak Response = 2635015 M4

M4 = Poor automated baseline construction.

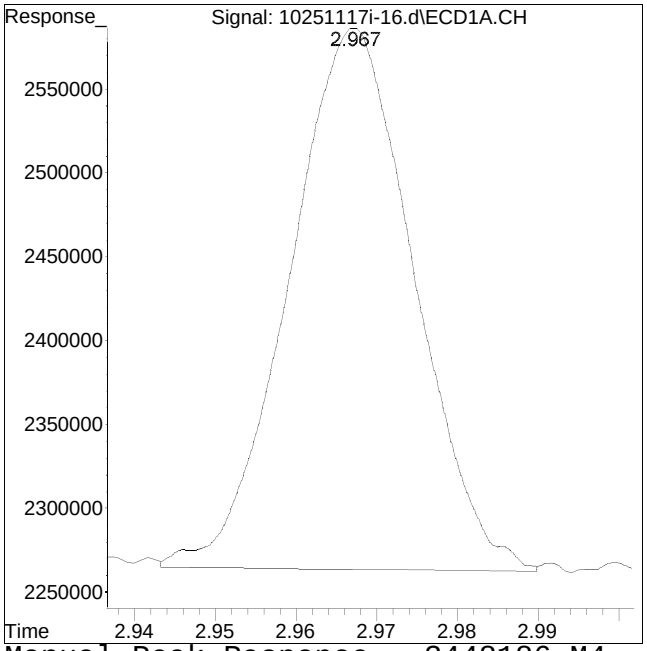
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-16.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 12:53 Instrument : Pest 10
Sample : il3chlor,42e,,pp 12301 L0.Quant Date : 11/20/2025 10:21 am

Compound #30: chlordane-3



Original Peak Response = 3382736



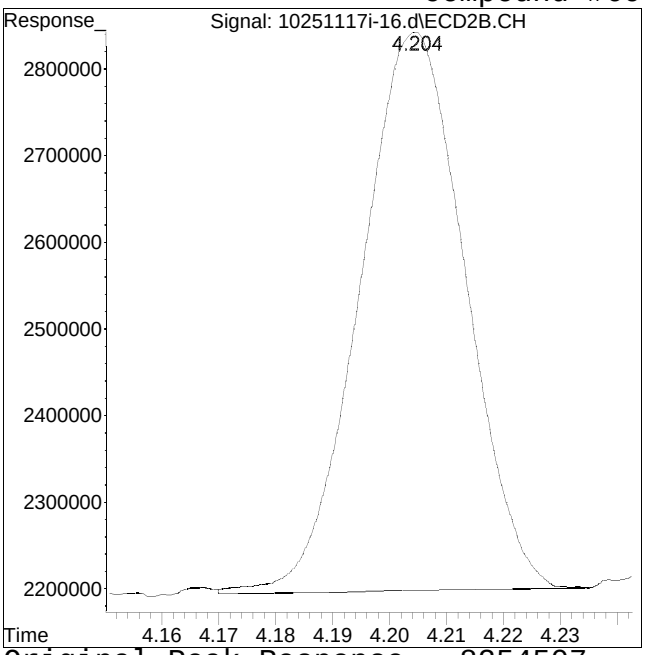
Manual Peak Response = 3448186 M4

M4 = Poor automated baseline construction.

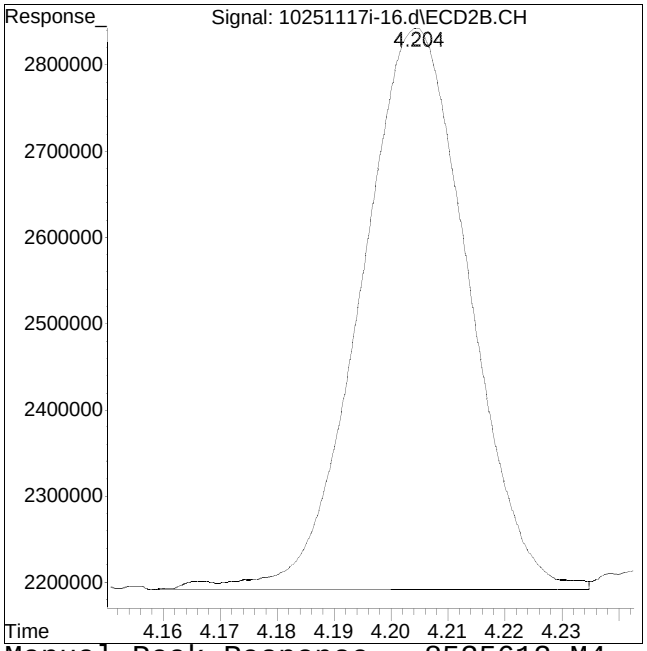
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-16.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 12:53 Instrument : Pest 10
Sample : il3chlor,42e,,pp 12301 L0.Quant Date : 11/20/2025 10:21 am

Compound #69: chlordane-4 #2



Original Peak Response = 8254507



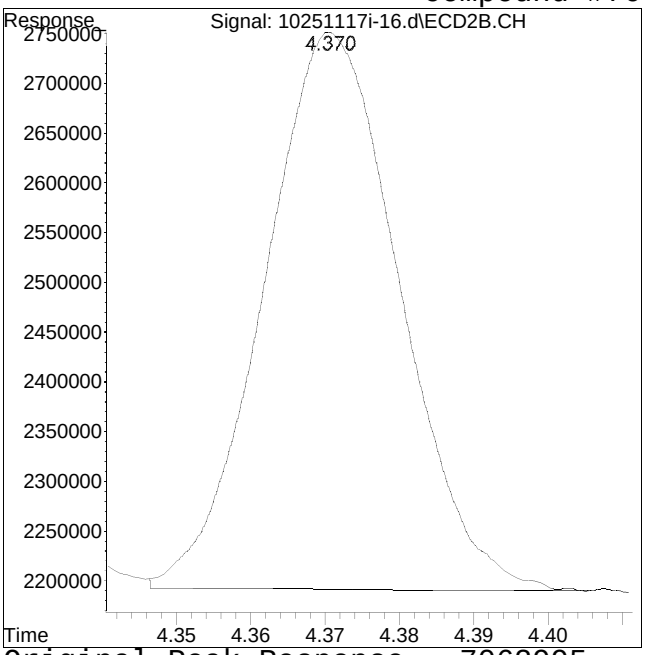
Manual Peak Response = 8535612 M4

M4 = Poor automated baseline construction.

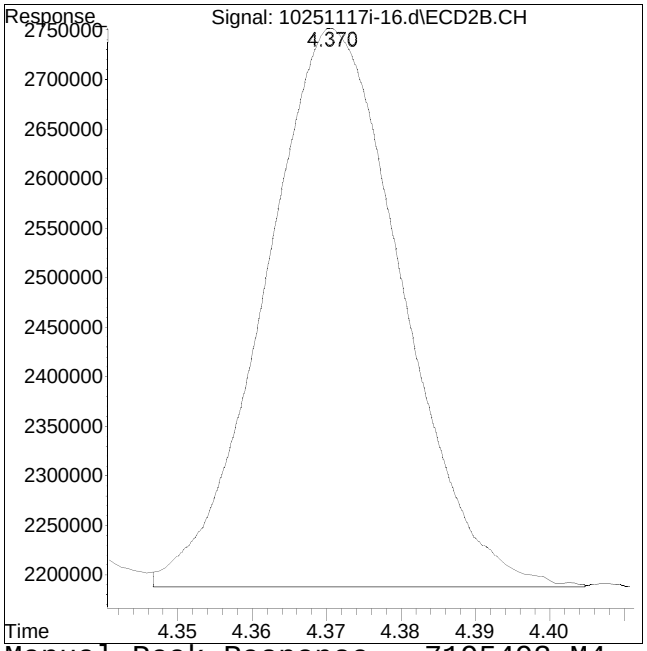
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-16.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 12:53 Instrument : Pest 10
Sample : il3chlor,42e,,pp 12301 L0.Quant Date : 11/20/2025 10:21 am

Compound #70: chlordane-5 #2



Original Peak Response = 7062995



Manual Peak Response = 7195493 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 13:04
Operator : PEST10:akm
Sample : il4chlor,42e,,pp 12301 L0.05
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:20:04 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:19:55 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.361	1.420	58160342	52636639	25.000M4	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 13:04
Operator : PEST10:akm
Sample : il4chlor,42e,,pp 12301 L0.05
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:20:04 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:19:55 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.538	2.893	5855328	5276268	51.746M4	54.380
30) l1	chlordane-3	2.967	3.511	7684148	6728556	56.120	60.164M4
31) l1	chlordane-4	3.537	4.205	23988221	19085609	52.031	50.976
32) l1	chlordane-5	3.666	4.371	37065893	15808145	52.458M4	52.676
Sum	chlordane-1			74593589	46898579	NoCal	NoCal D
Average	chlordane-1					53.089	54.549
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

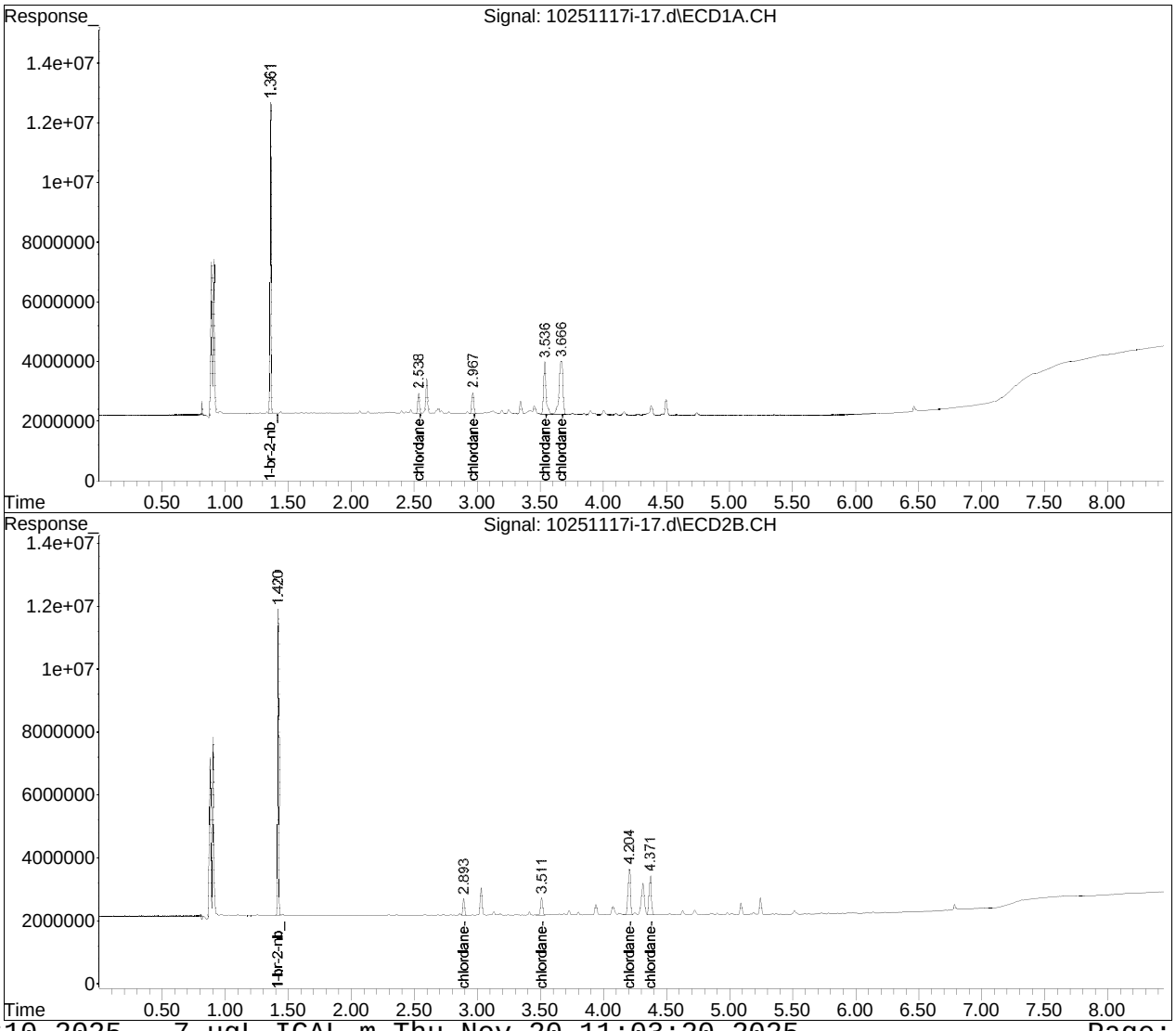
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 13:04
Operator : PEST10:akm
Sample : il4chlor,42e,,pp 12301 L0.05
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:20:04 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:19:55 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

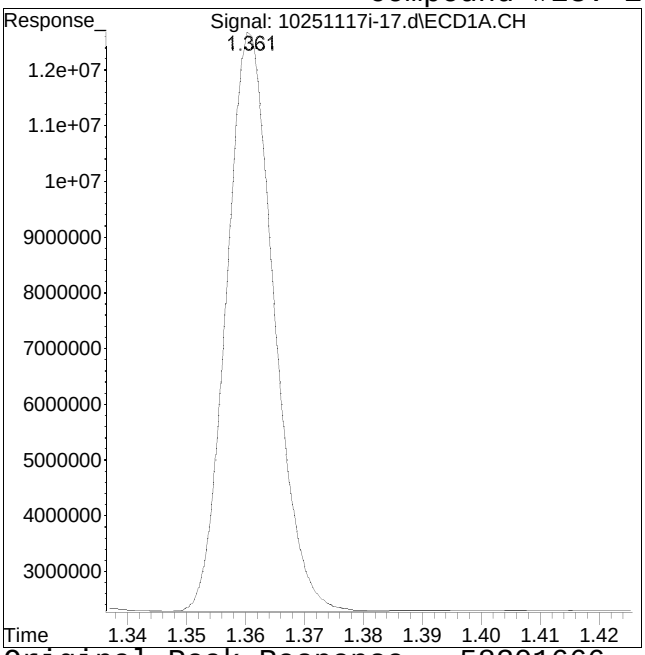
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



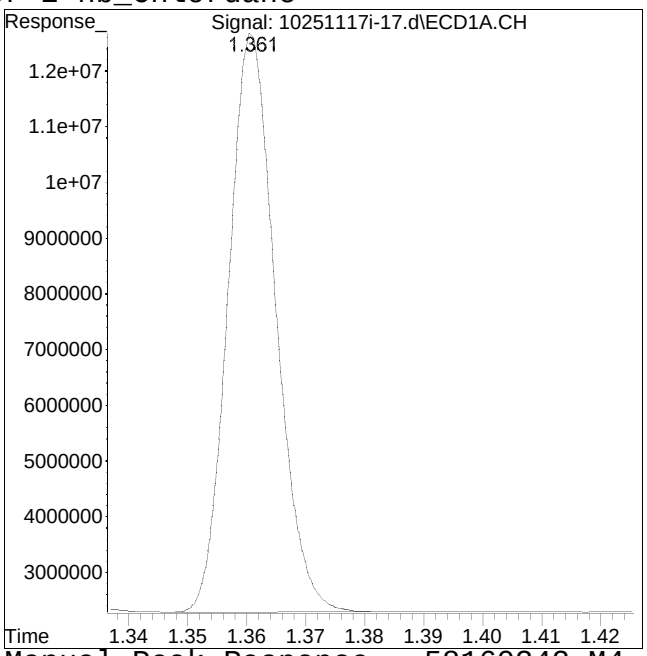
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-17.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 13:04 Instrument : Pest 10
Sample : il4chlor,42e,,pp 12301 L0.Quant Date : 11/20/2025 10:20 am

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 58301666



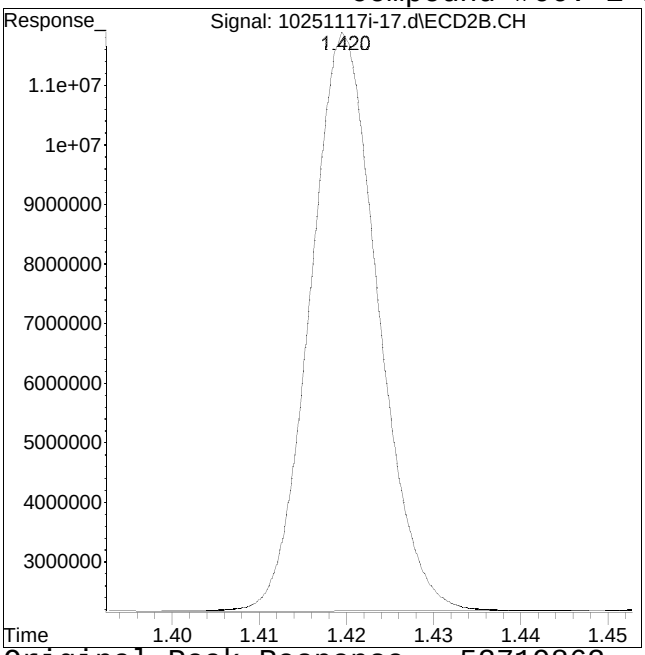
Manual Peak Response = 58160342 M4

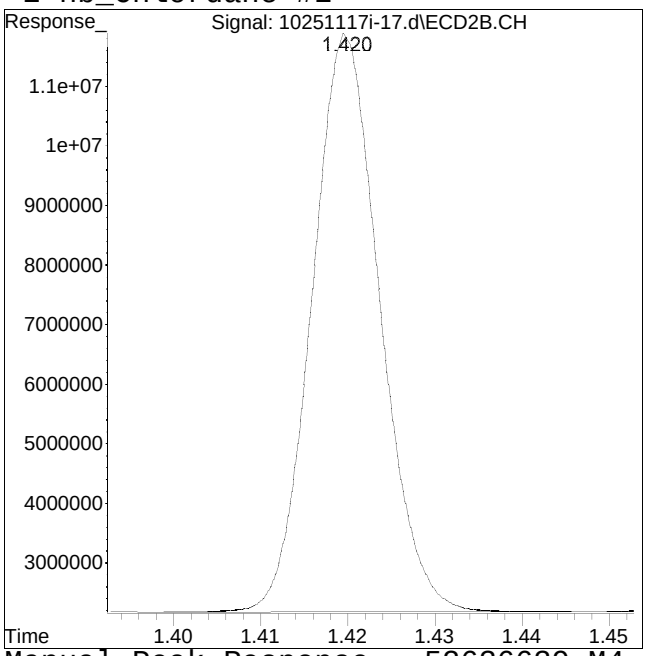
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-17.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 13:04 Instrument : Pest 10
Sample : il4chlor,42e,,pp 12301 L0.Quant Date : 11/20/2025 10:20 am

Compound #66: 1-br-2-nb_Chlordane #2



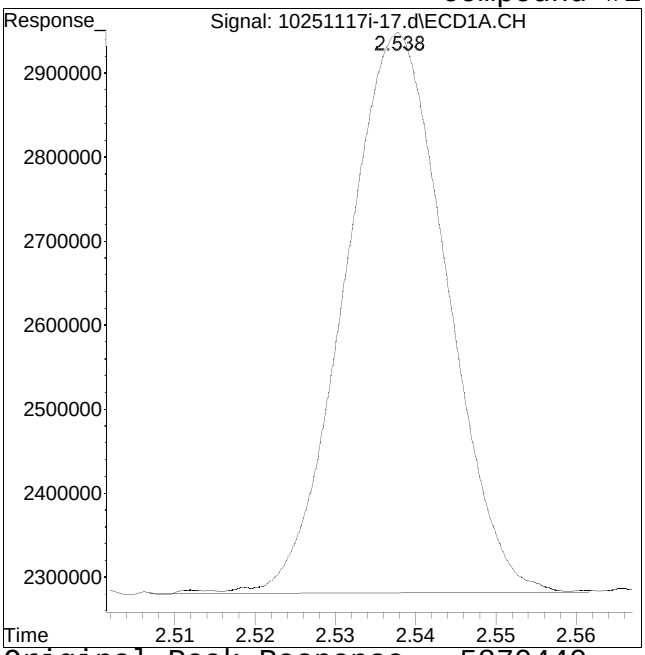


Original Peak Response = 52719862 Manual Peak Response = 52636639 M4
M4 = Poor automated baseline construction.

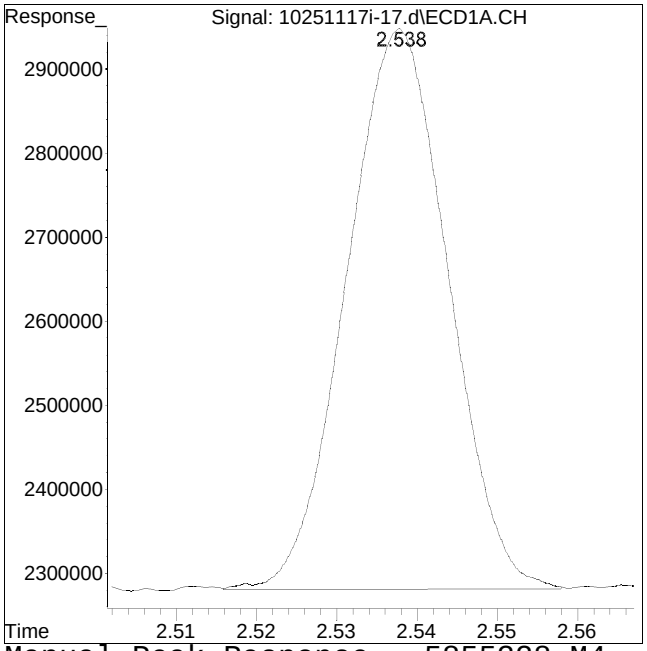
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-17.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 13:04 Instrument : Pest 10
Sample : il4chlor,42e,,pp 12301 L0.Quant Date : 11/20/2025 10:20 am

Compound #29: chlordane-1



Original Peak Response = 5870440



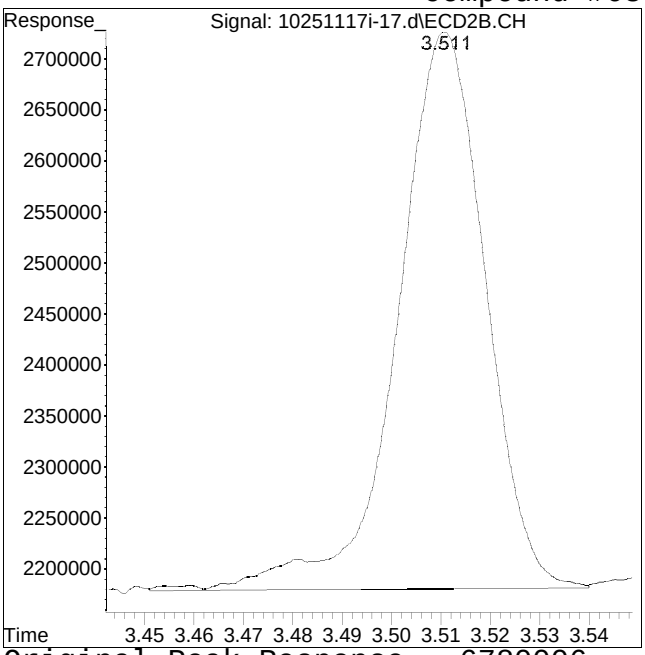
Manual Peak Response = 5855328 M4

M4 = Poor automated baseline construction.

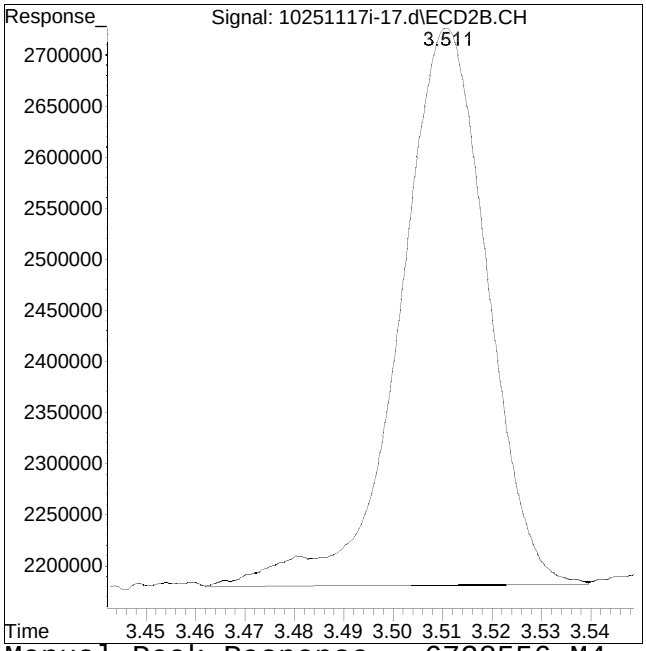
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-17.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 13:04 Instrument : Pest 10
Sample : il4chlor,42e,,pp 12301 L0.Quant Date : 11/20/2025 10:20 am

Compound #68: chlordane-3 #2



Original Peak Response = 6780006



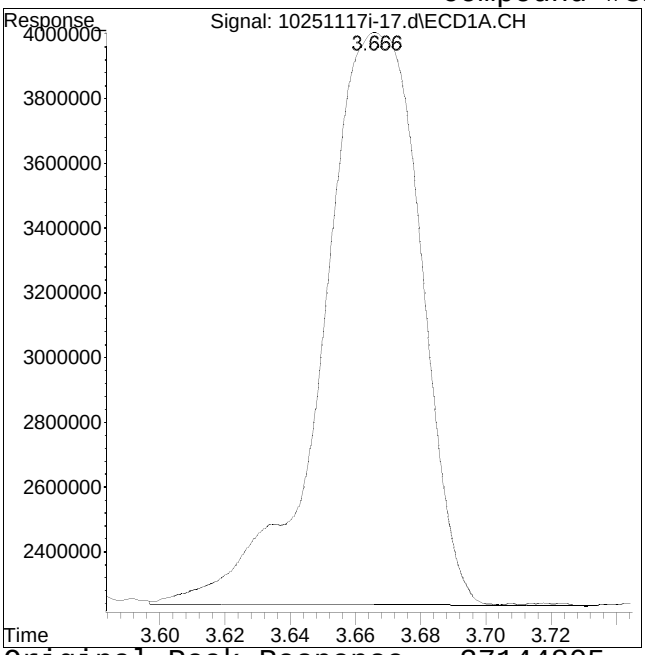
Manual Peak Response = 6728556 M4

M4 = Poor automated baseline construction.

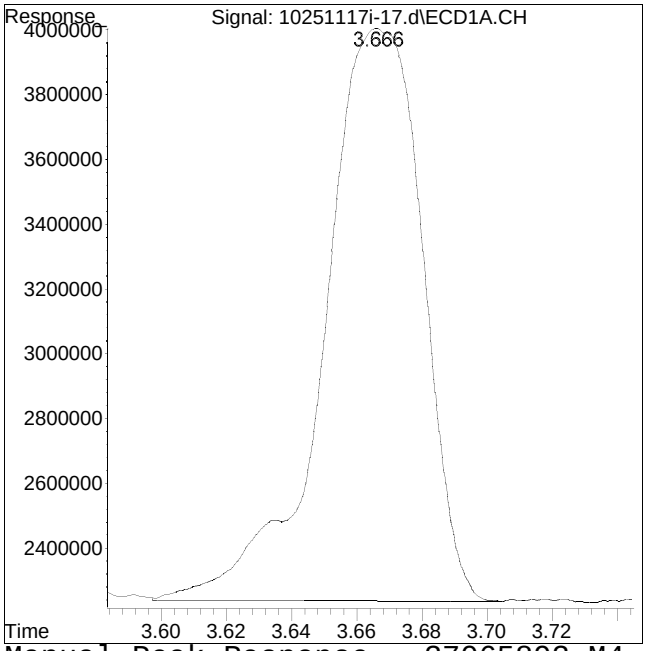
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-17.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 13:04 Instrument : Pest 10
Sample : il4chlor,42e,,pp 12301 L0.Quant Date : 11/20/2025 10:20 am

Compound #32: chlordane-5



Original Peak Response = 37144805



Manual Peak Response = 37065893 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 13:16
Operator : PEST10:akm
Sample : il5chlor,42e,,pp 12301 L0.1
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:18:54 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:18:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.360	1.419	60571984	55018867	25.000M4	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 13:16
Operator : PEST10:akm
Sample : il5chlor,42e,,pp 12301 L0.1
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:18:54 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:18:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.538	2.893	12446003	10831613	107.113	108.649
30) l1	chlordane-3	2.967	3.511	16541530	13461261	120.831	119.688
31) l1	chlordane-4	3.536	4.204	50357863	39618129	106.174	101.549M3
32) l1	chlordane-5	3.667	4.372	77873389	32788374	107.386	105.723
Sum	chlordane-1			157.2E6	96699378	NoCal	NoCal D
Average	chlordane-1					110.376	108.902
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

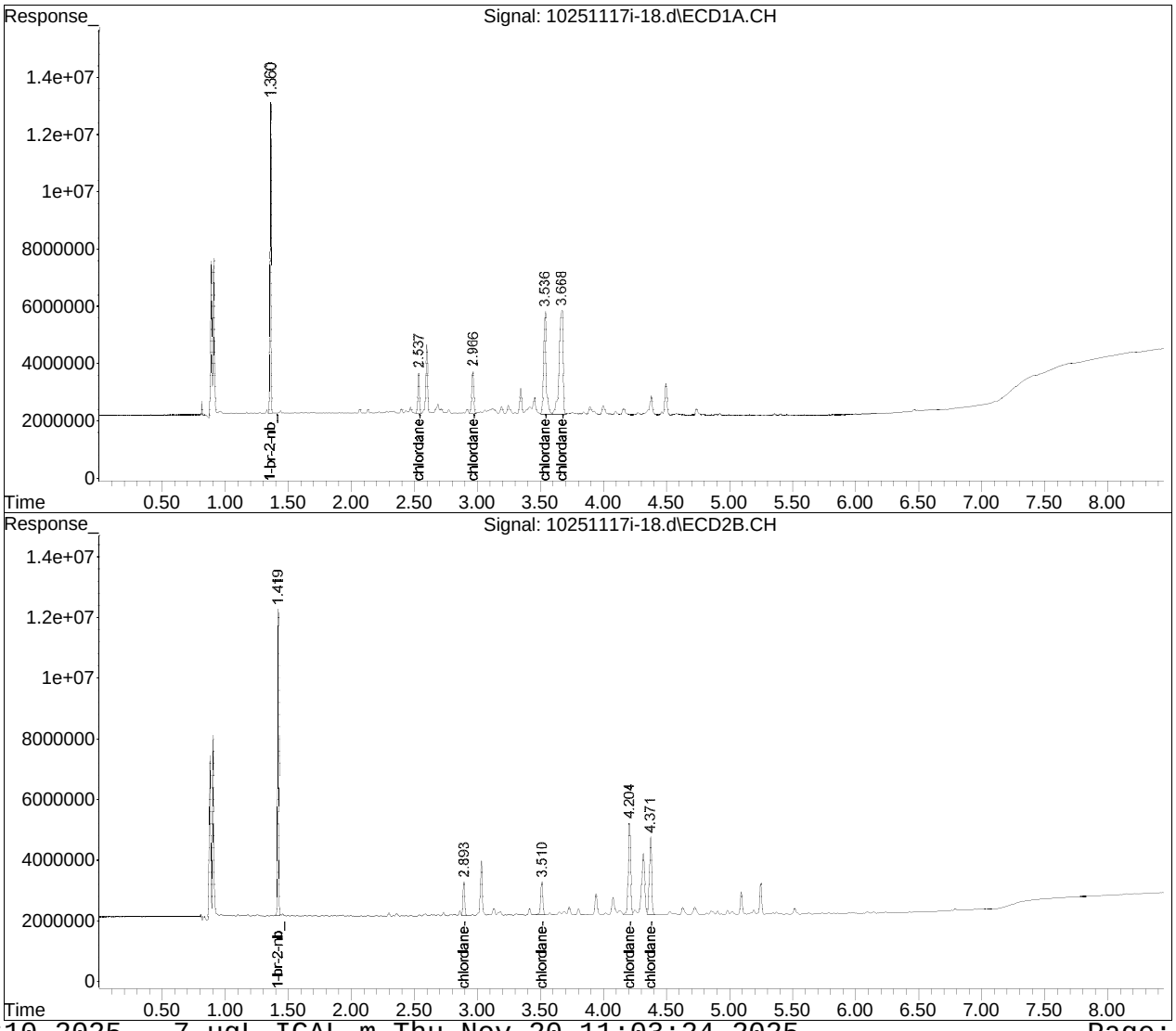
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 13:16
Operator : PEST10:akm
Sample : il5chlor,42e,,pp 12301 L0.1
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:18:54 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:18:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

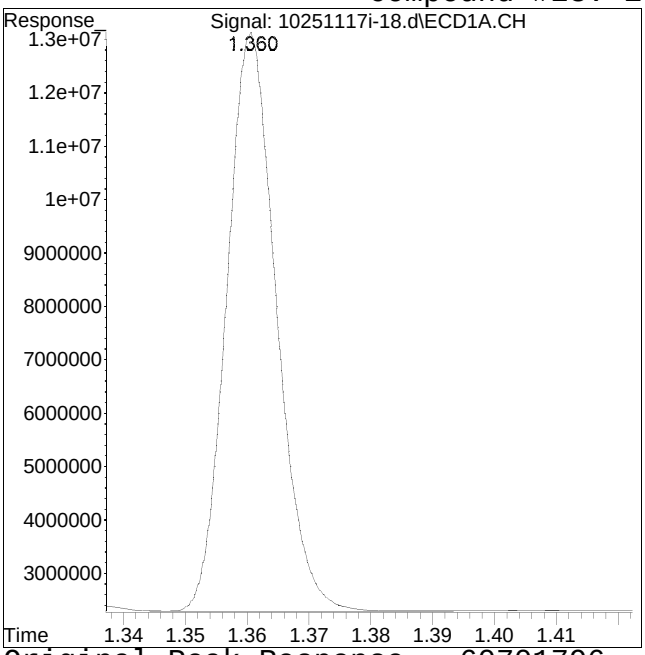
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



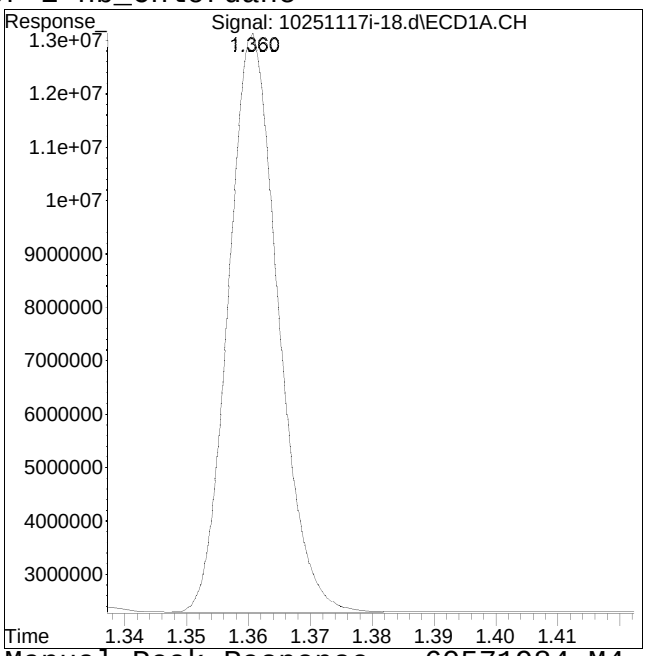
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-18.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 13:16 Instrument : Pest 10
Sample : il5chlor,42e,,pp 12301 L0.Quant Date : 11/20/2025 10:18 am

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 60701796



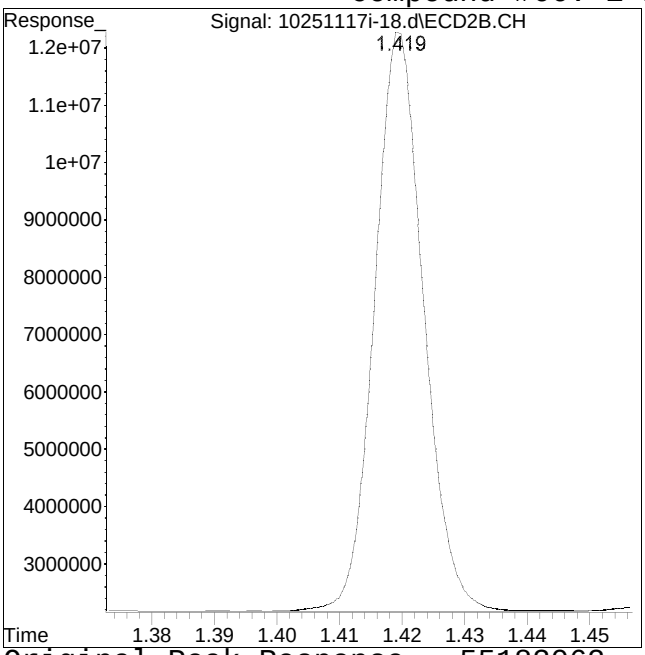
Manual Peak Response = 60571984 M4

M4 = Poor automated baseline construction.

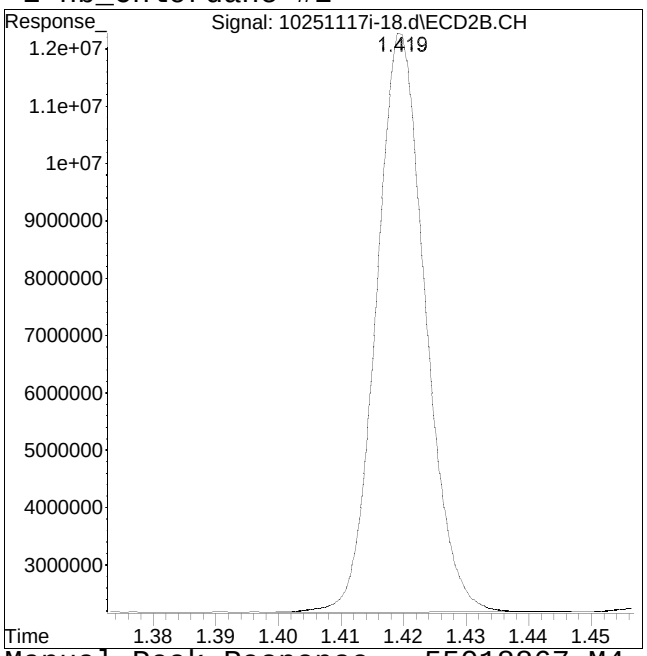
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-18.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 13:16 Instrument : Pest 10
Sample : il5chlor,42e,,pp 12301 L0.Quant Date : 11/20/2025 10:18 am

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 55183062



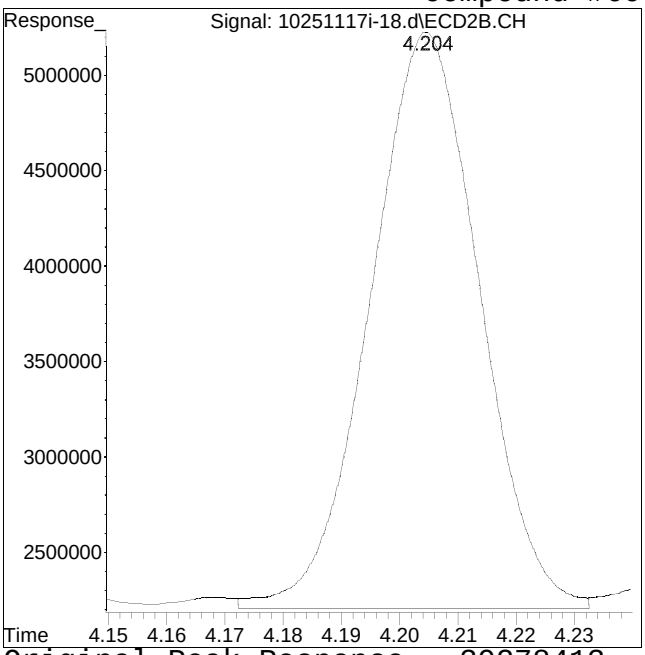
Manual Peak Response = 55018867 M4

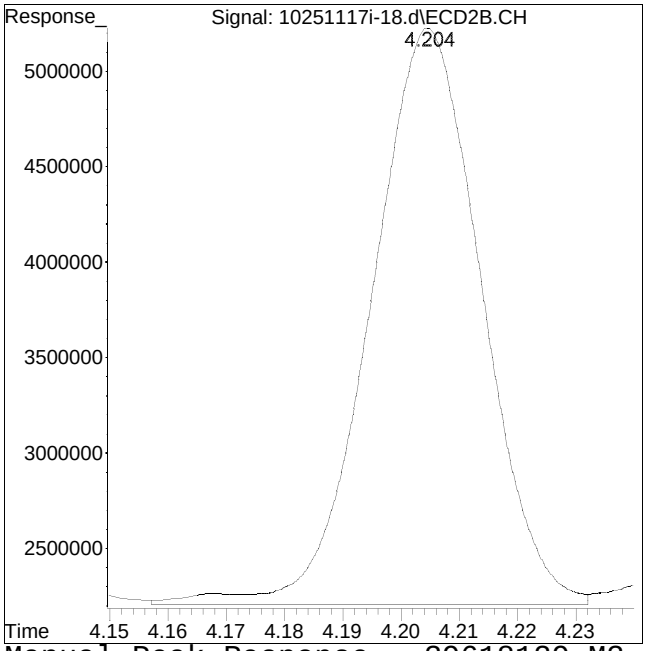
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-18.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 13:16 Instrument : Pest 10
Sample : il5chlor,42e,,pp 12301 L0.Quant Date : 11/20/2025 10:18 am

Compound #69: chlordane-4 #2





Original Peak Response = 39278413 Manual Peak Response = 39618129 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 13:28
Operator : PEST10:akm
Sample : il7chlor,42e,,pp 12301 L0.5
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:17:28 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:00:12 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.360	1.419	57560525	52924774	25.000M4	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 13:28
Operator : PEST10:akm
Sample : il7chlor,42e,,pp 12301 L0.5
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:17:28 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:00:12 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.537	2.893	55563011	47435091	504.285	492.874
30) l1	chlordane-3	2.966	3.511	68097117	56559808	531.768M3	530.850
31) l1	chlordane-4	3.536	4.205	228.1E6	181.5E6	508.125	478.486
32) l1	chlordane-5	3.666	4.371	351.5E6	145.3E6	513.527	482.652
Sum	chlordane-1			703.3E6	430.8E6	NoCal	NoCal D
Average	chlordane-1					514.426	496.215
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

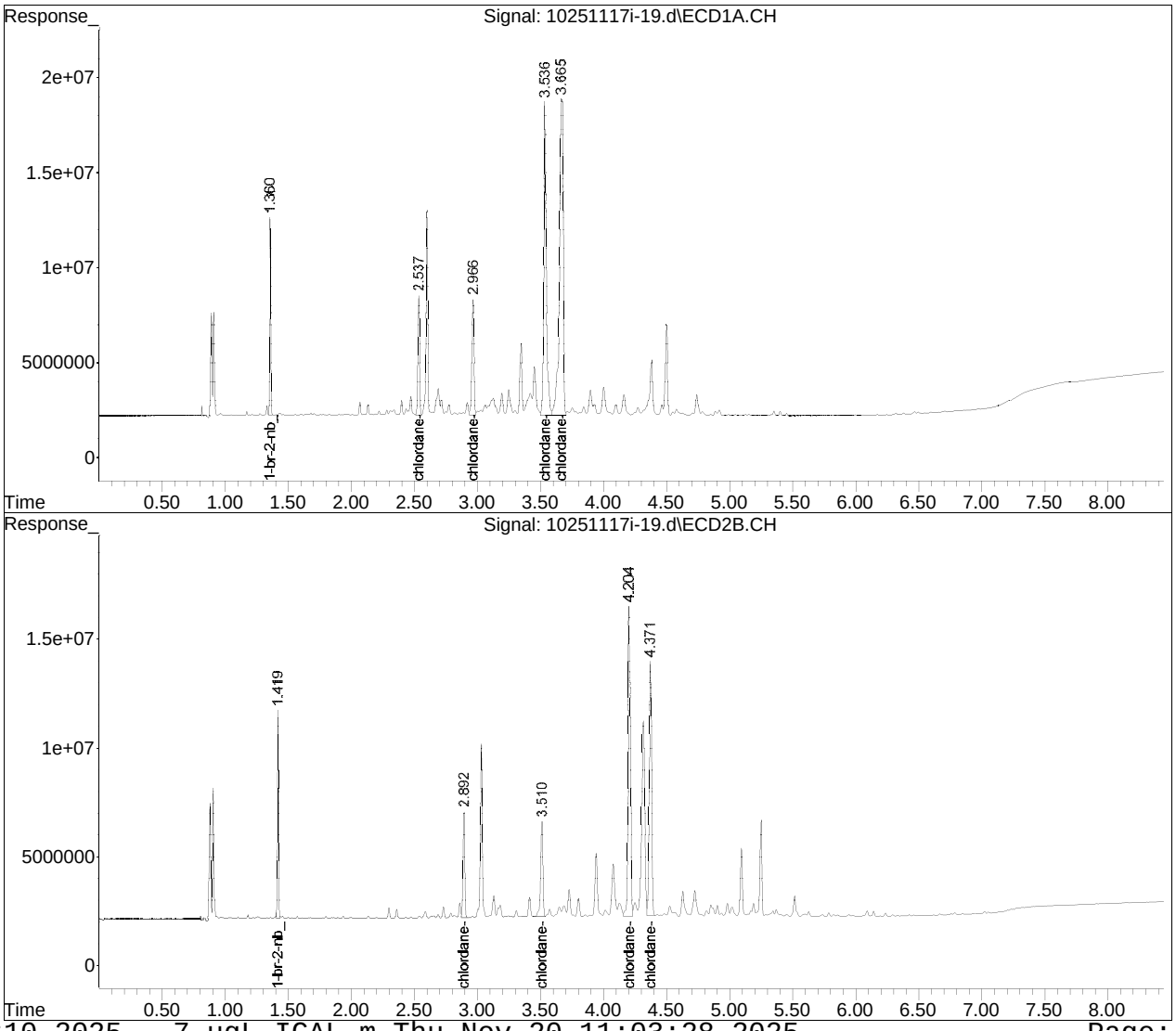
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 13:28
Operator : PEST10:akm
Sample : il7chlor,42e,,pp 12301 L0.5
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:17:28 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:00:12 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

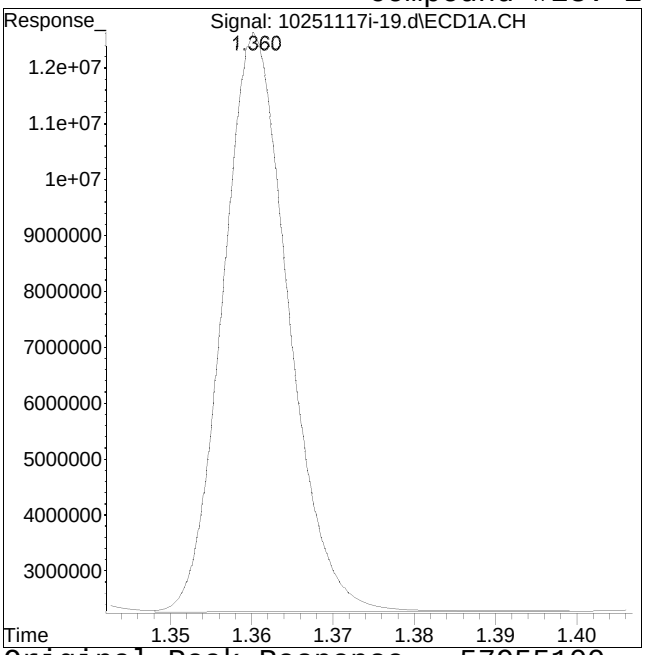
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



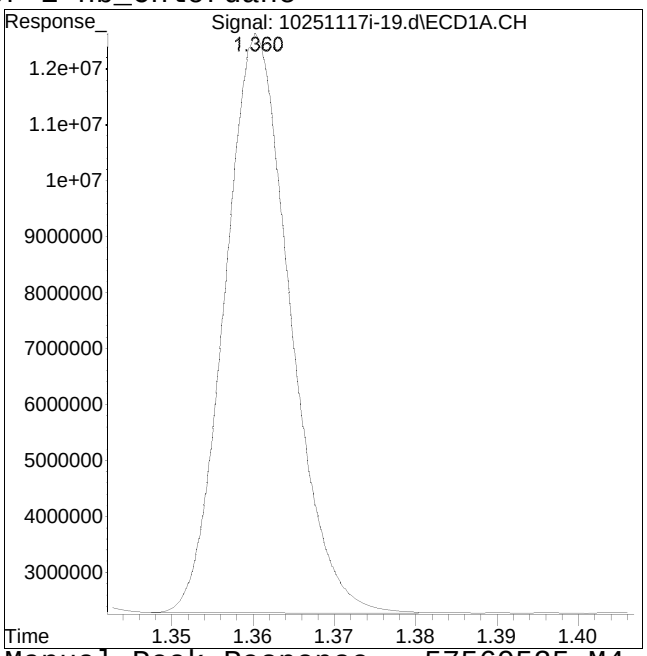
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-19.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 13:28 Instrument : Pest 10
Sample : il7chlor,42e,,pp 12301 L0.Quant Date : 11/20/2025 10:17 am

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 57955100

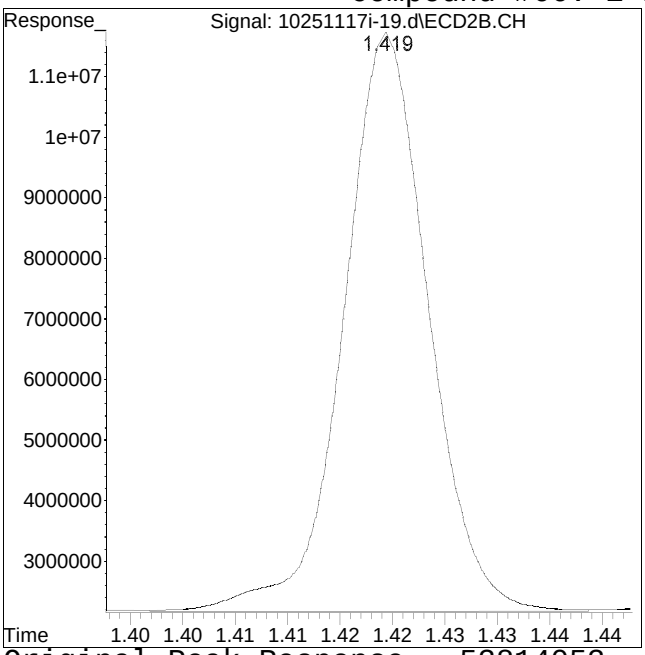


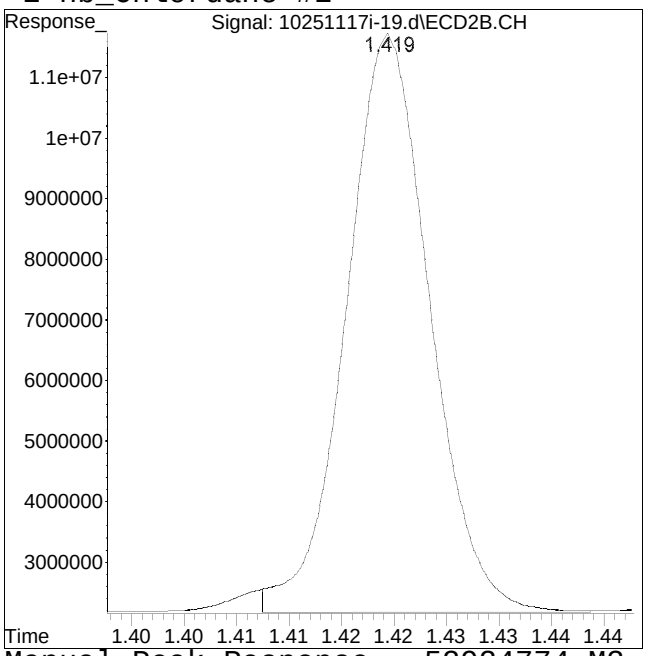
Manual Peak Response = 57560525 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-19.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 13:28 Instrument : Pest 10
Sample : il7chlor,42e,,pp 12301 L0.Quant Date : 11/20/2025 10:17 am

Compound #66: 1-br-2-nb_Chlordane #2





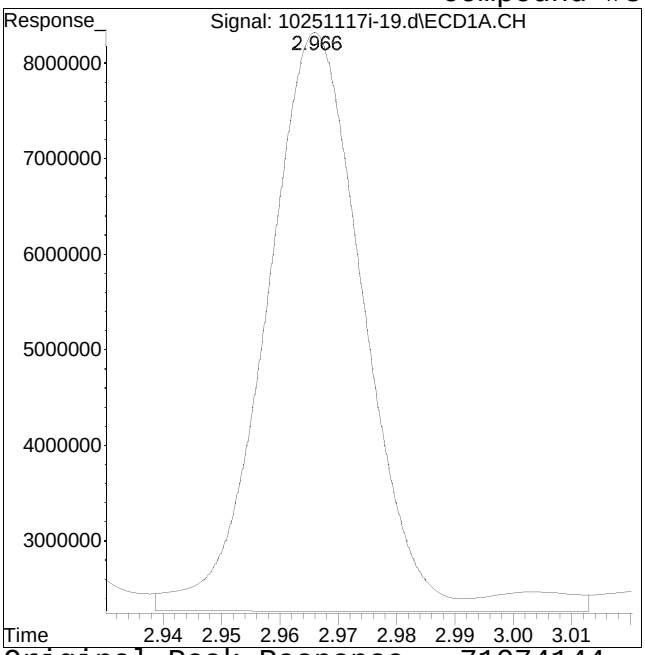
Original Peak Response = 53814053 Manual Peak Response = 52924774 M3

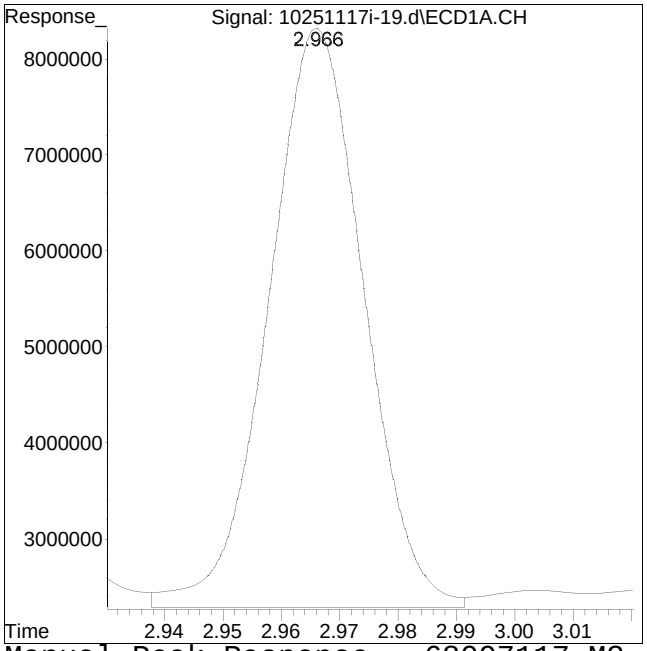
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-19.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 13:28 Instrument : Pest 10
Sample : il7chlor,42e,,pp 12301 L0.Quant Date : 11/20/2025 10:17 am

Compound #30: chlordane-3





Original Peak Response = 71074144 Manual Peak Response = 68097117 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 13:39
Operator : PEST10:akm
Sample : il8chlor,42e,,pp 12301 L1.0
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:56:43 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:56:35 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.361	1.419	57482345	53133476	25.000M4	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 13:39
Operator : PEST10:akm
Sample : il8chlor,42e,,pp 12301 L1.0
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:56:43 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:56:35 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.538	2.893	111.8E6	97325312	NoCal	NoCal
30) l1	chlordane-3	2.967	3.511	134.6E6	112.4E6	NoCal	NoCal
31) l1	chlordane-4	3.537	4.204	463.9E6	386.4E6	NoCal	NoCal M3
32) l1	chlordane-5	3.667	4.372	711.2E6	308.0E6	NoCal	NoCal
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

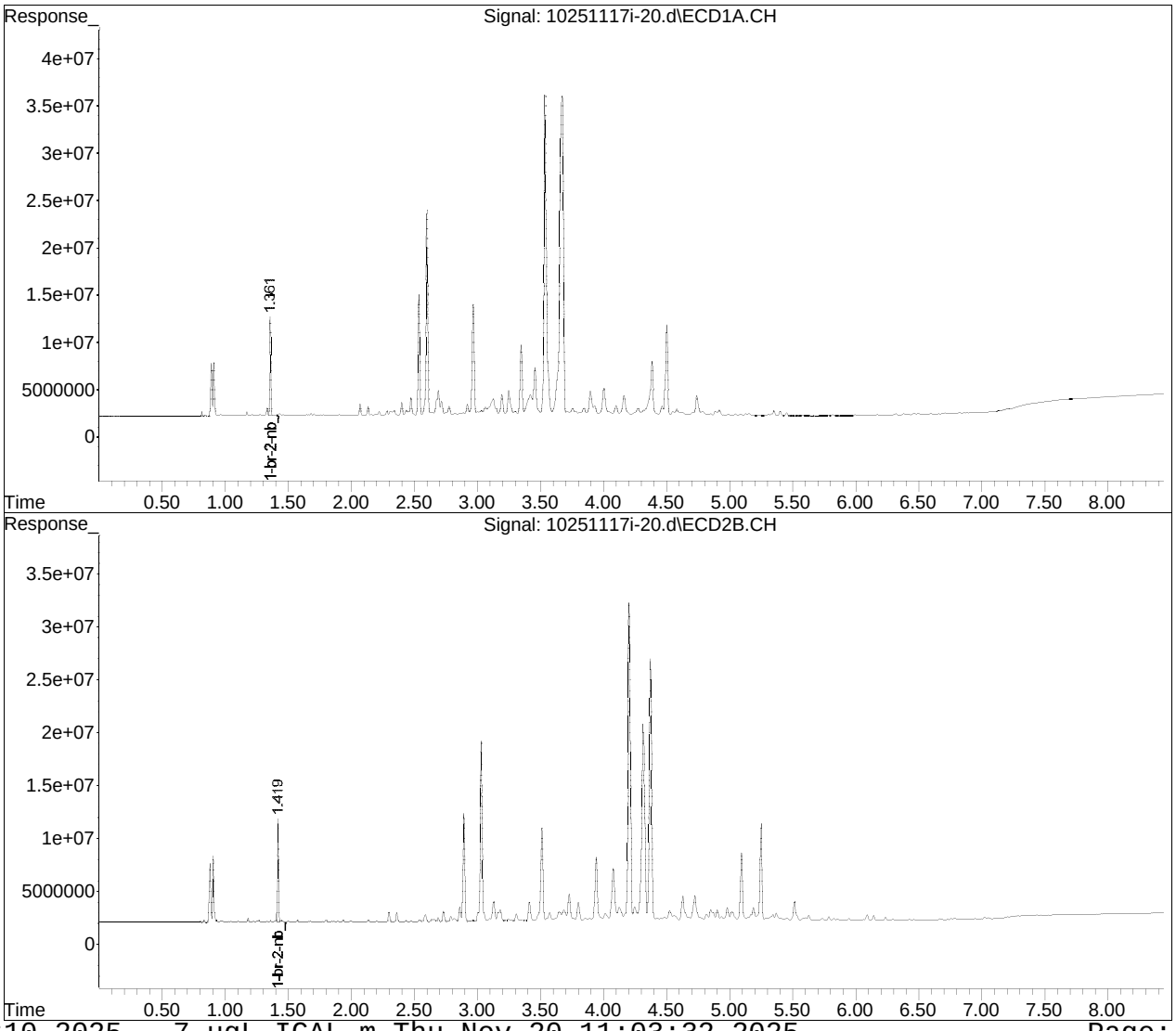
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 13:39
Operator : PEST10:akm
Sample : il8chlor,42e,,pp 12301 L1.0
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:56:43 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:56:35 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

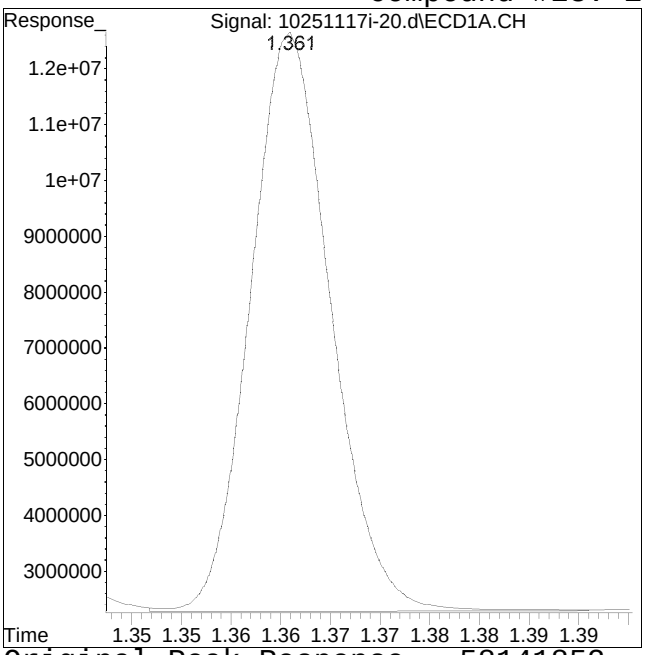
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



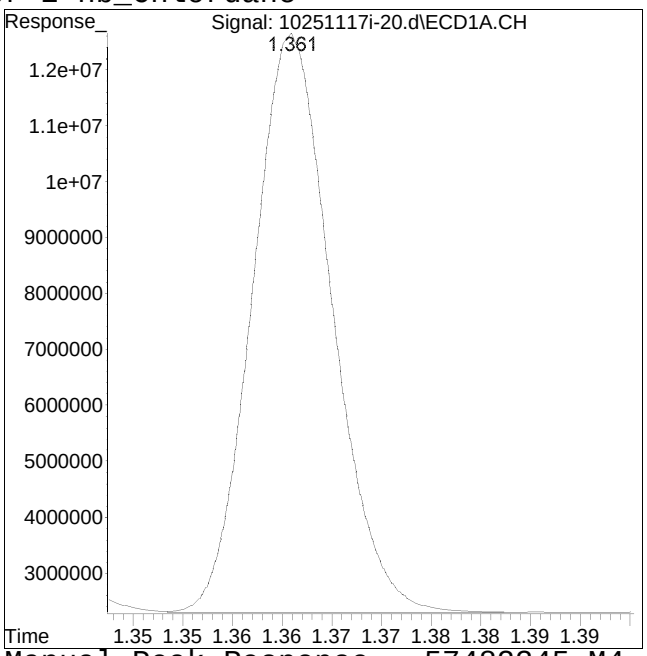
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-20.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 13:39 Instrument : Pest 10
Sample : il8chlor,42e,,pp 12301 L1.Quant Date : 11/20/2025 9:56 am

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 58141852



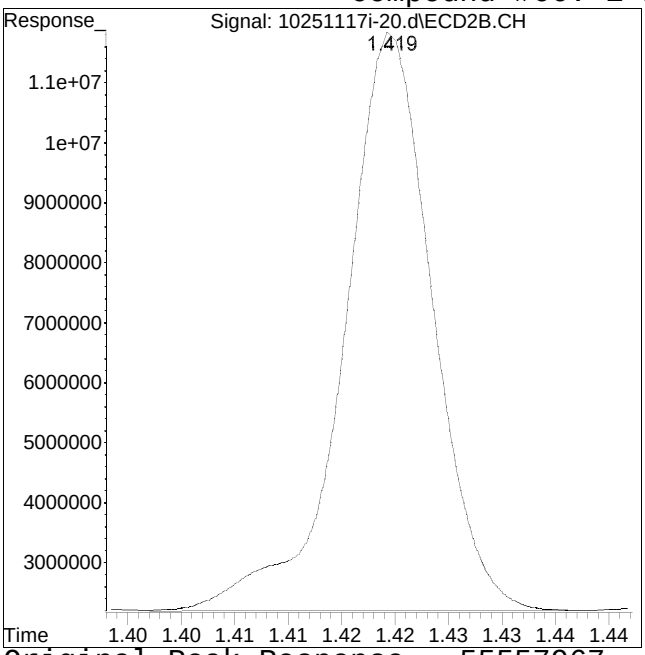
Manual Peak Response = 57482345 M4

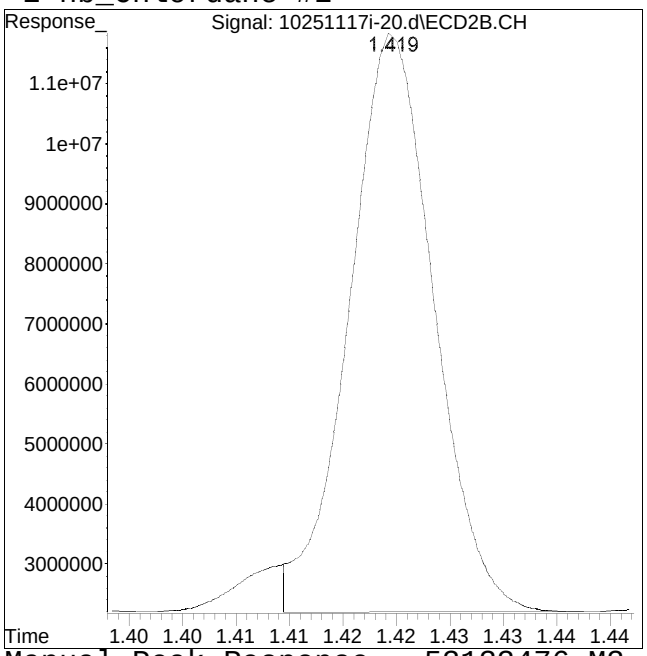
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-20.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 13:39 Instrument : Pest 10
Sample : il8chlor,42e,,pp 12301 L1.Quant Date : 11/20/2025 9:56 am

Compound #66: 1-br-2-nb_Chlordane #2



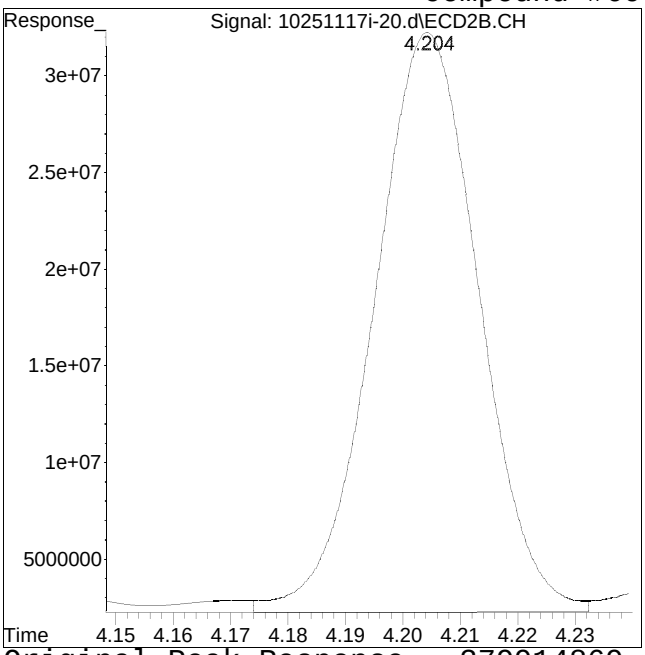


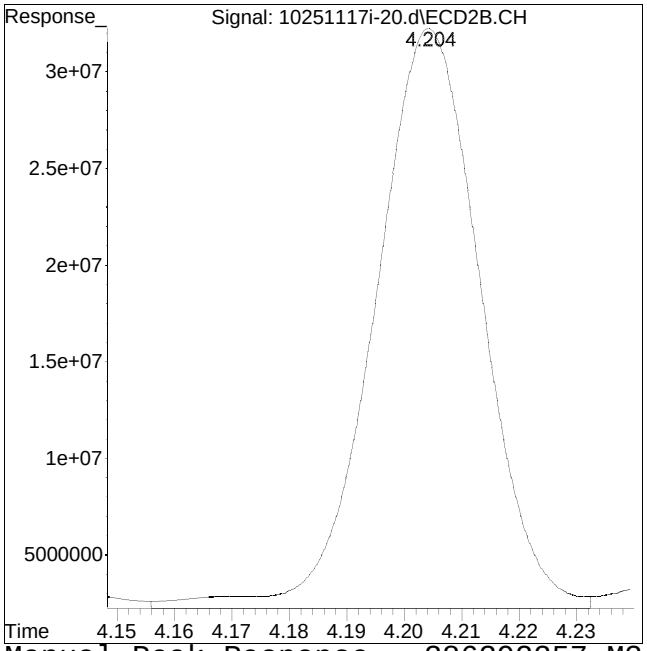
Original Peak Response = 55557967 Manual Peak Response = 53133476 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-20.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 13:39 Instrument : Pest 10
Sample : il8chlor,42e,,pp 12301 L1.Quant Date : 11/20/2025 9:56 am

Compound #69: chlordane-4 #2





Original Peak Response = 379914869 Manual Peak Response = 386392257 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 13:51
Operator : PEST10:akm
Sample : il9chlor,42e,,pp 12301 L2.0
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:58:01 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:57:50 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.361	1.420	59857795	56461125	25.000M4	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 13:51
Operator : PEST10:akm
Sample : il9chlor,42e,,pp 12301 L2.0
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:58:01 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:57:50 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.538	2.893	232.3E6	204.2E6	1994.707	1974.830
30) l1	chlordane-3	2.967	3.511	269.6E6	227.6E6	1923.484	1905.865
31) l1	chlordane-4	3.537	4.204	943.8E6	808.8E6	1953.813	1969.842M3
32) l1	chlordane-5	3.667	4.372	1437.4E6	641.2E6	1940.883	1958.834
Sum	chlordane-1			2883.1E6	1881.9E6	NoCal	NoCal D
Average	chlordane-1					1953.222	1952.343
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

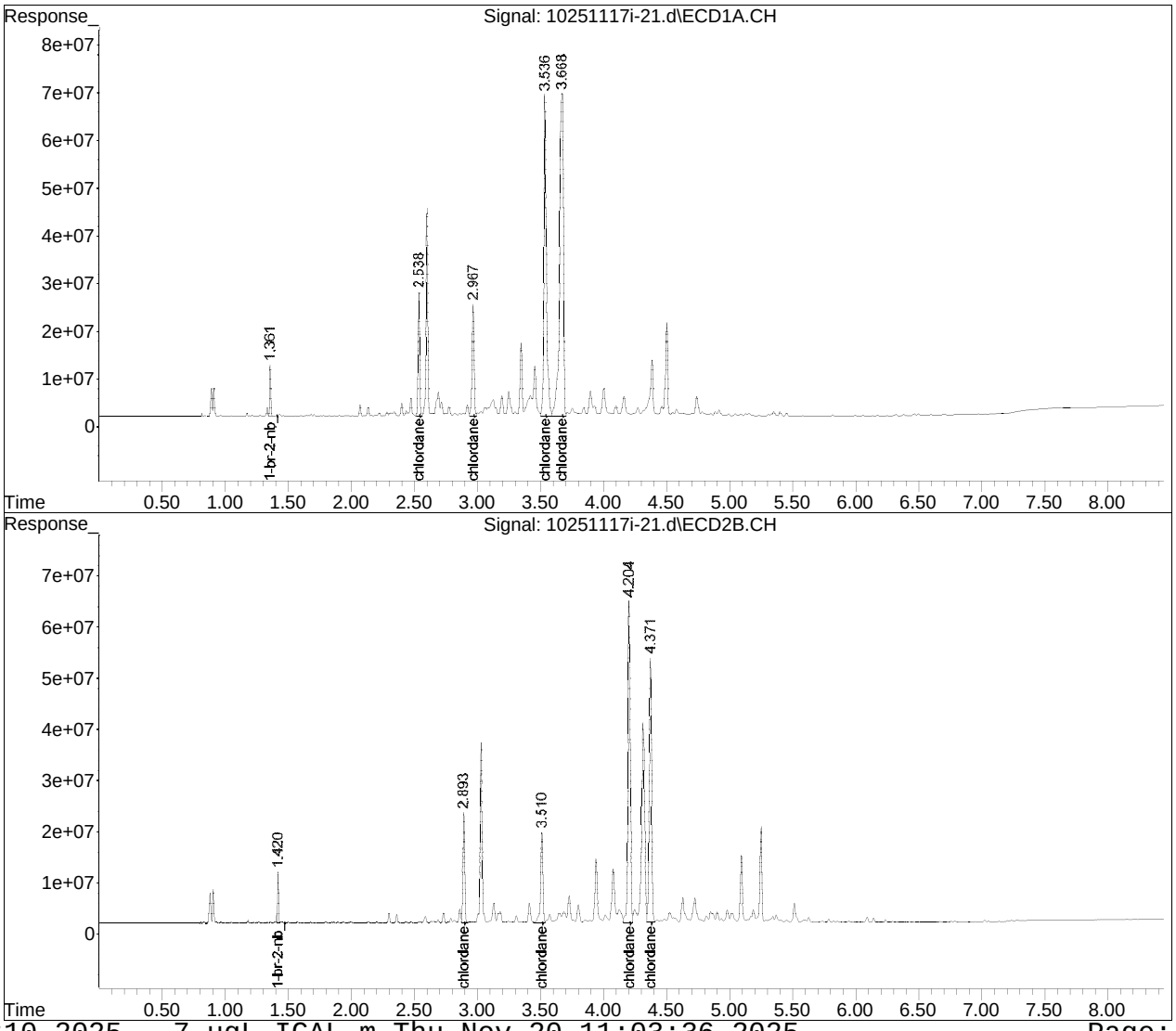
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 13:51
Operator : PEST10:akm
Sample : il9chlor,42e,,pp 12301 L2.0
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:58:01 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:57:50 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

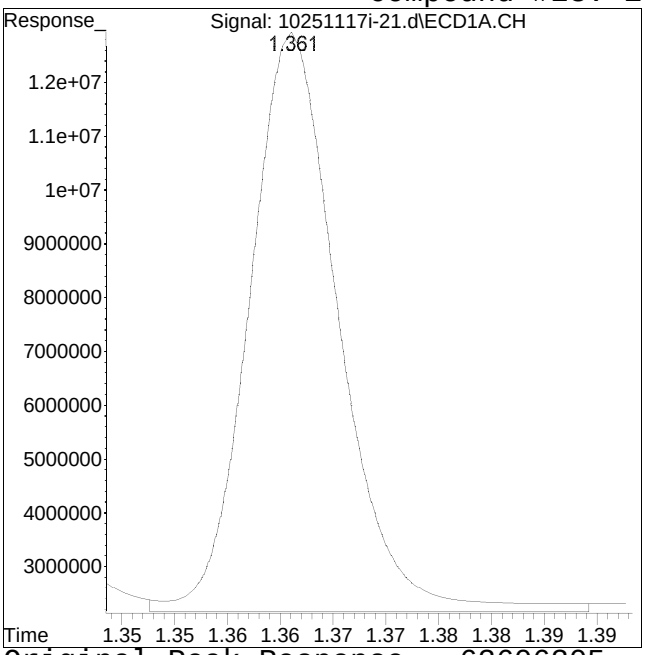
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



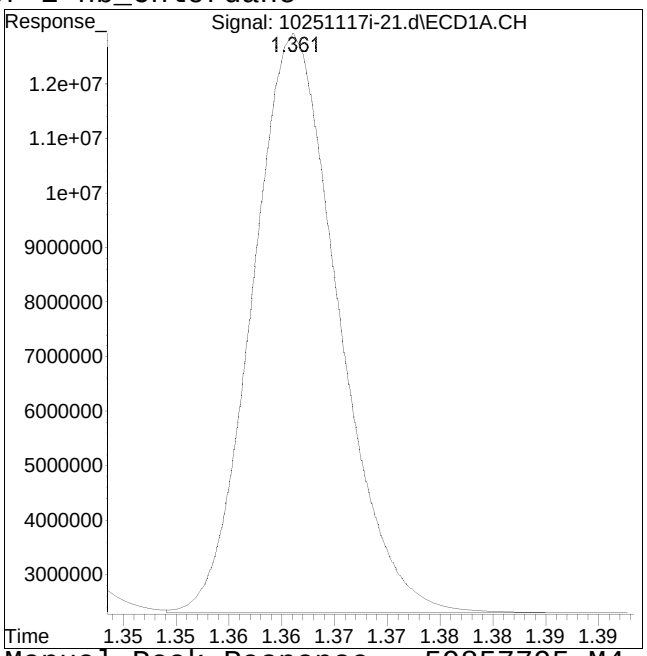
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-21.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 13:51 Instrument : Pest 10
Sample : il9chlor,42e,,pp 12301 L2.Quant Date : 11/20/2025 9:58 am

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 63606305



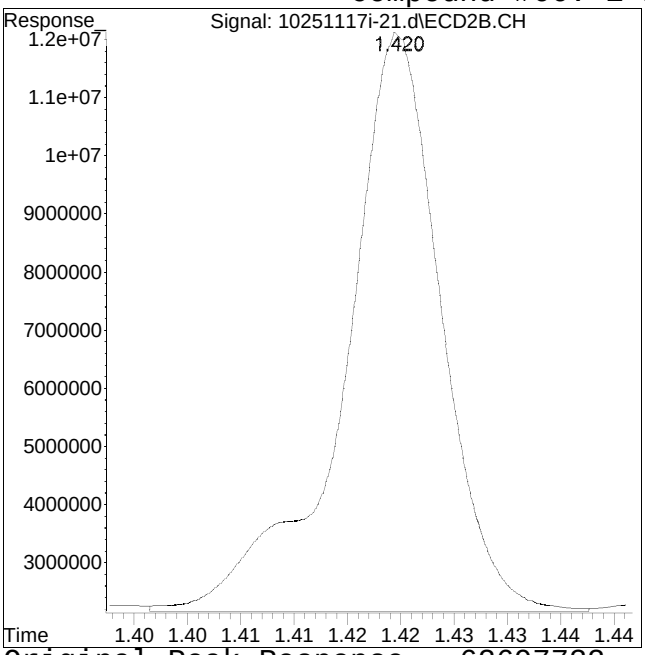
Manual Peak Response = 59857795 M4

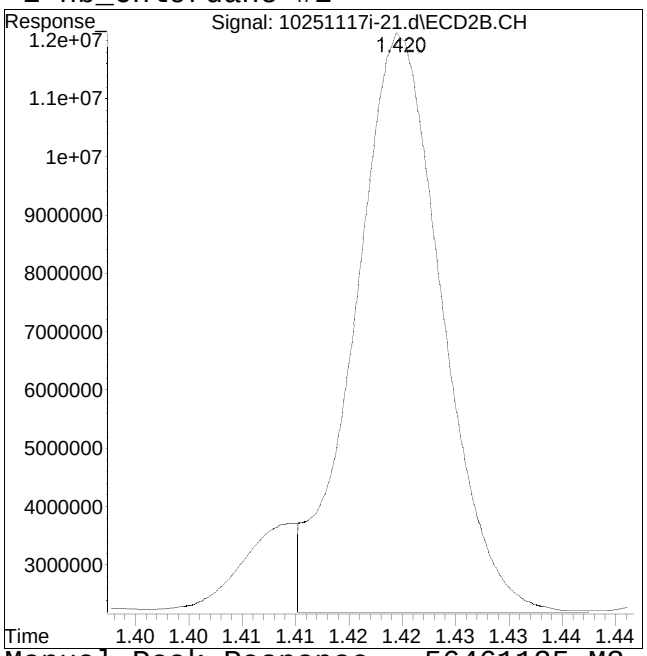
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-21.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 13:51 Instrument : Pest 10
Sample : il9chlor,42e,,pp 12301 L2.Quant Date : 11/20/2025 9:58 am

Compound #66: 1-br-2-nb_Chlordane #2



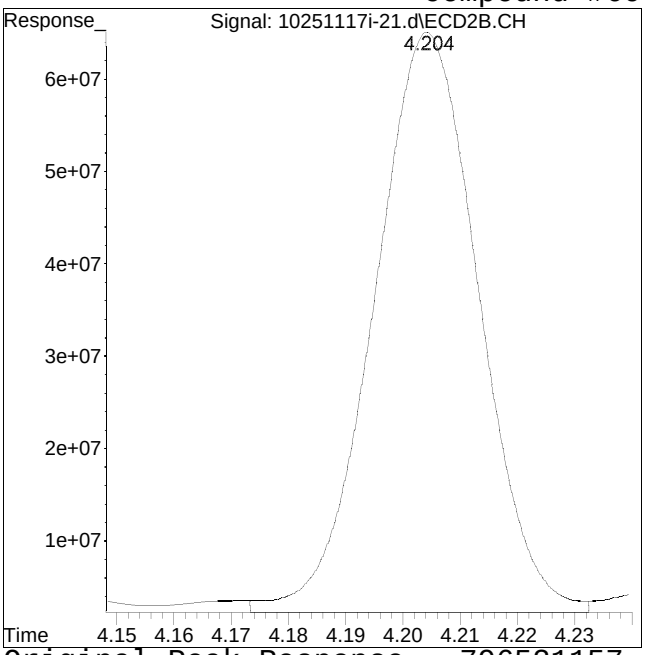


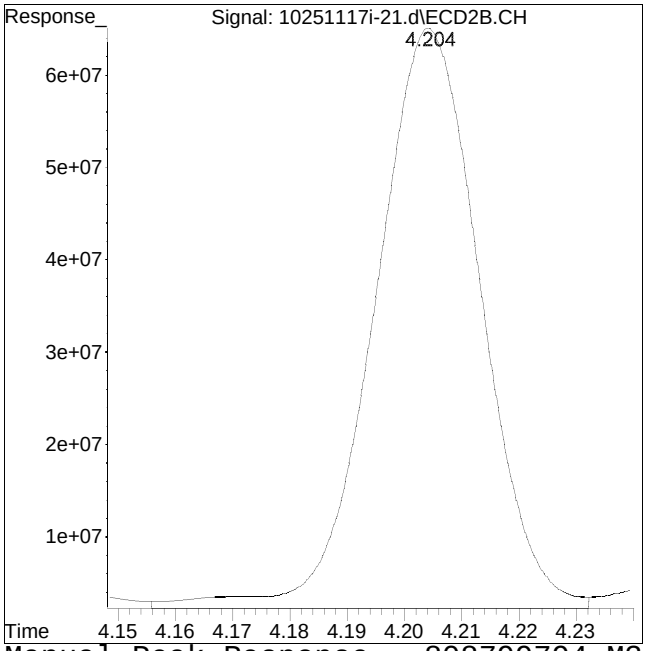
Original Peak Response = 62697732 Manual Peak Response = 56461125 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-21.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 13:51 Instrument : Pest 10
Sample : il9chlor,42e,,pp 12301 L2.Quant Date : 11/20/2025 9:58 am

Compound #69: chlordane-4 #2





Original Peak Response = 796521157 Manual Peak Response = 808799794 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 14:03
Operator : PEST10:akm
Sample : il10chlor,42e,,pp 12301 L5.0
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:59:13 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:59:03 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28)	i	1-br-2-nb_Ch	1.361	1.419	60470791	56862739	25.000M4	25.000M4
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
		Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27)	s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
		Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
		Target Compounds						
3)	t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 14:03
Operator : PEST10:akm
Sample : il10chlor,42e,,pp 12301 L5.0
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:59:13 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:59:03 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.539	2.893	561.4E6	516.0E6	4777.893	4985.810
30) l1	chlordane-3	2.967	3.511	629.1E6	542.5E6	4529.386	4618.657
31) l1	chlordane-4	3.537	4.204	2250.2E6	2010.0E6	4665.133	4897.712M3
32) l1	chlordane-5	3.668	4.371	3415.1E6	1587.4E6	4632.892	4865.408
Sum	chlordane-1			6855.8E6	4655.9E6	NoCal	NoCal D
Average	chlordane-1					4651.326	4841.897
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

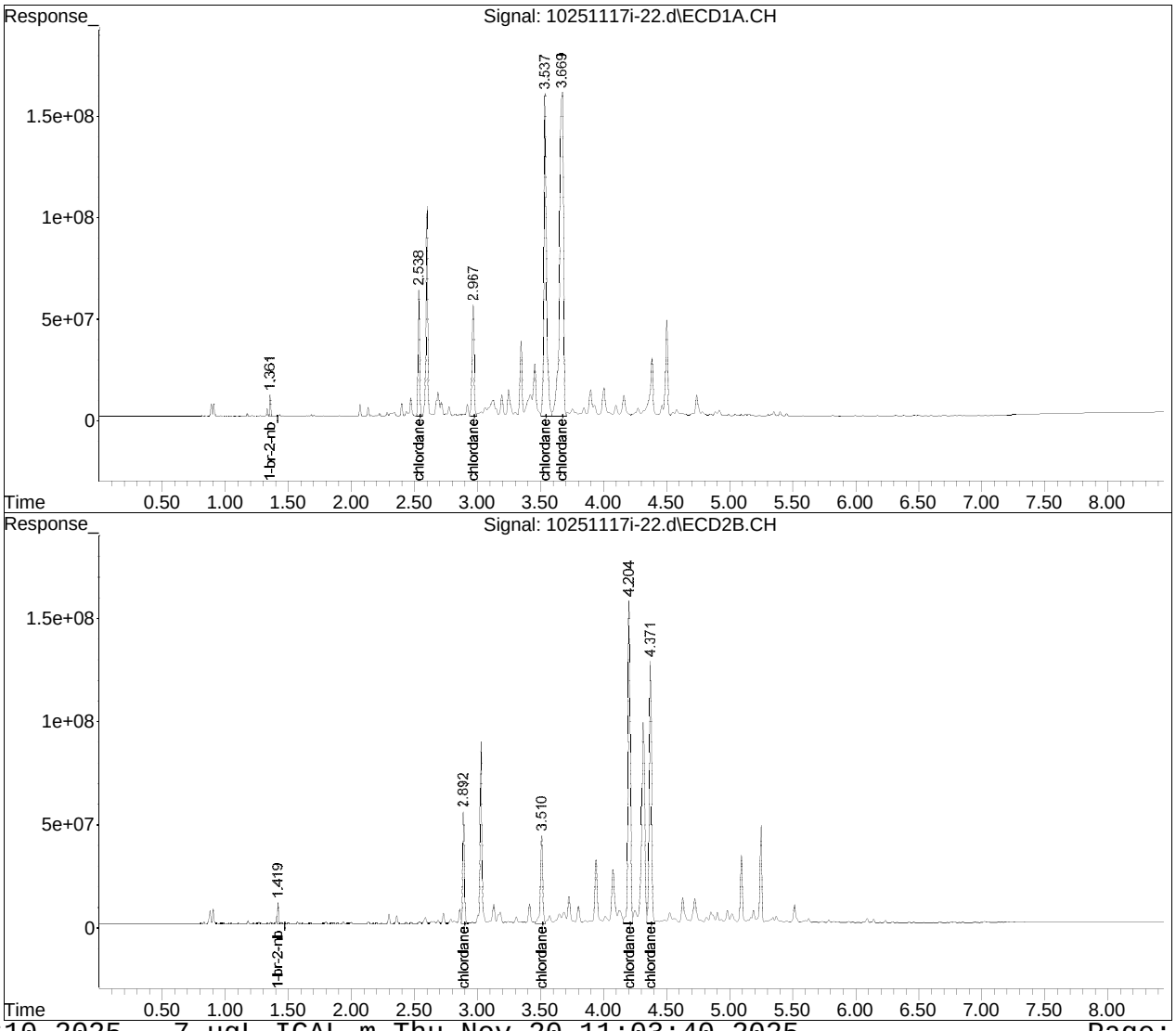
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 14:03
Operator : PEST10:akm
Sample : il10chlor,42e,,pp 12301 L5.0
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:59:13 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:59:03 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

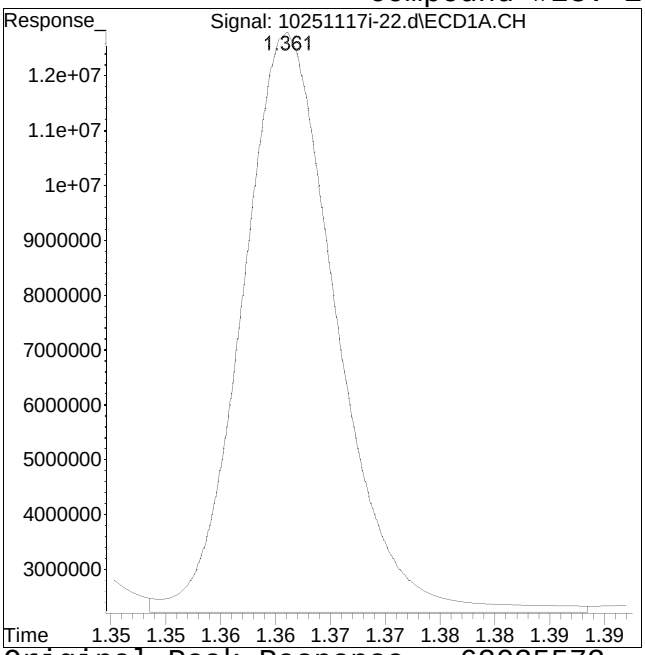
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



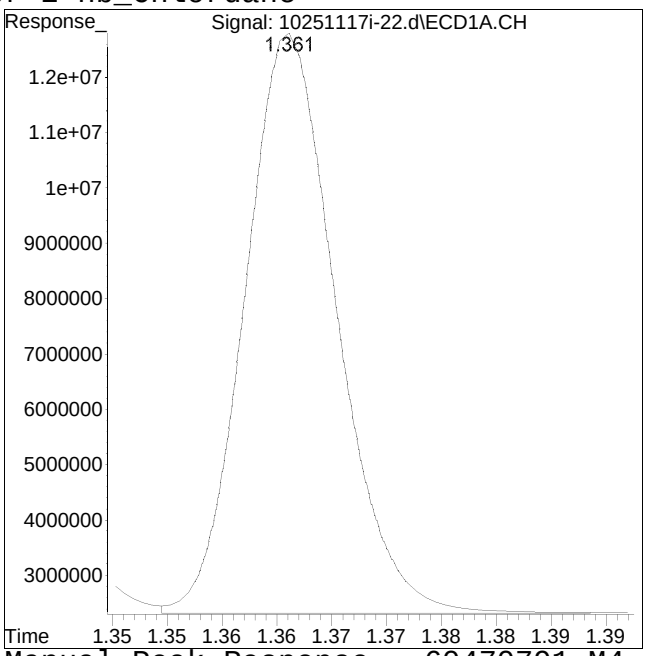
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-22.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 14:03 Instrument : Pest 10
Sample : il10chlor,42e,,pp 12301 L5Quant Date : 11/20/2025 9:59 am

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 63035573



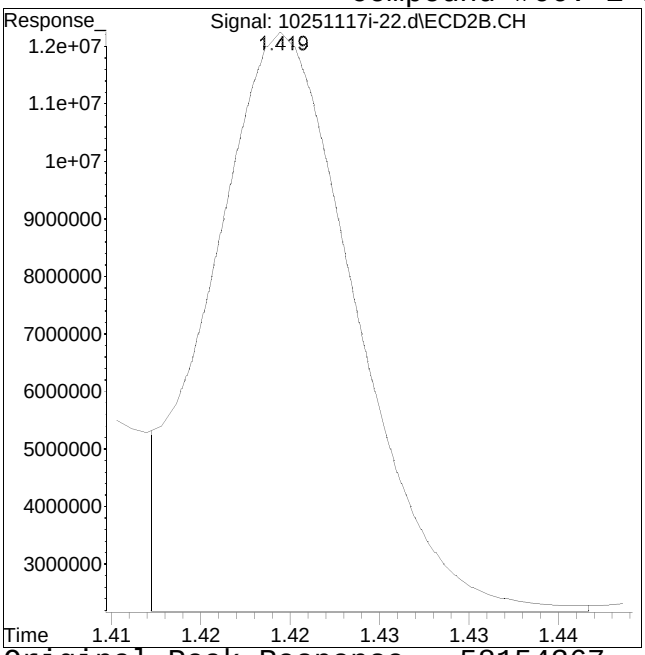
Manual Peak Response = 60470791 M4

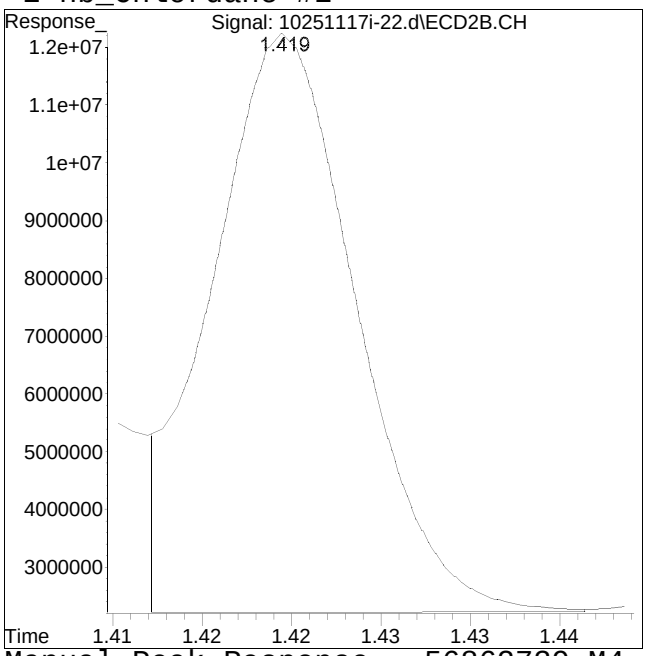
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-22.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 14:03 Instrument : Pest 10
Sample : il10chlor,42e,,pp 12301 L5Quant Date : 11/20/2025 9:59 am

Compound #66: 1-br-2-nb_Chlordane #2



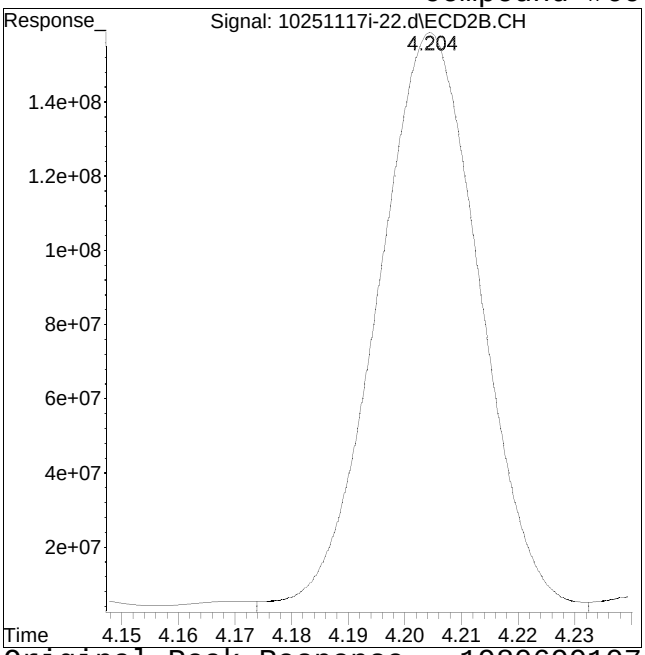


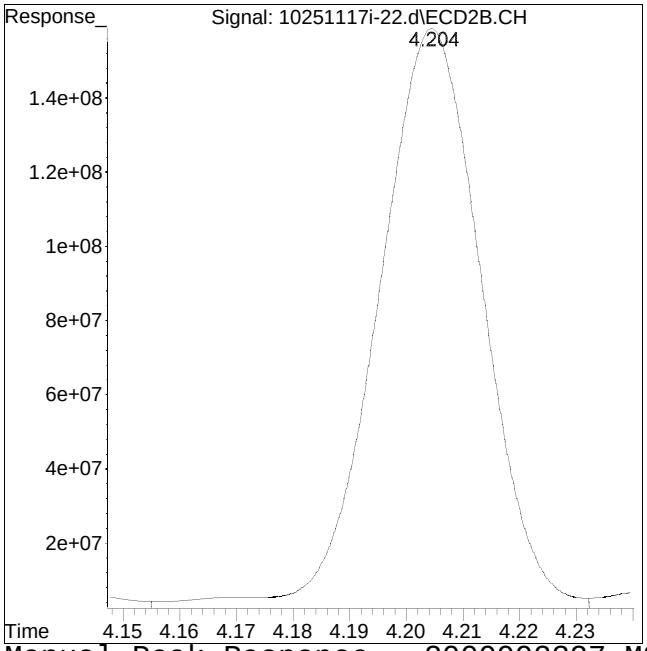
Original Peak Response = 58154367 Manual Peak Response = 56862739 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-22.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 14:03 Instrument : Pest 10
Sample : il10chlor,42e,,pp 12301 L5Quant Date : 11/20/2025 9:59 am

Compound #69: chlordane-4 #2





Original Peak Response = 1980699107 Manual Peak Response = 2009992327 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 17 Nov 2025 14:15
Operator : PEST10:akm
Sample   : cicvchlor,42e,,pp 12251 L1.0ICV
Misc   : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:24:52 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:24:10 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	100	0.00
29	l1	chlordane-1		0.050	0.042	16.0	90	0.00
30	l1	chlordane-3		0.063	0.051	19.0	90	0.00
31	l1	chlordane-4		0.205	0.172	16.1	88	0.00
32	l1	chlordane-5		0.317	0.293	7.6	98	0.00

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	97	0.00
29	l1	chlordane-1		0.049	0.041	16.3	90	0.00
30	l1	chlordane-3		0.058	0.048	17.2	90	0.00
31	l1	chlordane-4		0.184	0.157	14.7	86	0.00
32	l1	chlordane-5		0.149	0.124	16.8	85	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.36#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.344	0.000	100.0#	0#	-1.71#
3	t	Hexachlorobenzene		1.568	0.000	100.0#	0#	-1.93#
4	t	alpha-BHC		1.653	0.000	100.0#	0#	-2.04#
5	t	gamma-BHC (lindane)		1.589	0.000	100.0#	0#	-2.25#
6	t	beta-BHC		0.733	0.000	100.0#	0#	-2.30#
7	t	delta-BHC		1.491	0.000	100.0#	0#	-2.44#
8	t	Heptachlor		1.515	0.000	100.0#	0#	-2.60#
9	t	Aldrin		1.498	0.000	100.0#	0#	-2.85#
10	t	Alachlor		0.250	0.000	100.0#	0#	-2.98#
11	t	Chlorpyrifos		0.703	0.000	100.0#	0#	-3.07#
12	t	Heptachlor Epoxide		1.344	0.000	100.0#	0#	-3.41#
13	t	gamma-Chlordane (trans)		1.491	0.000	100.0#	0#	-3.54#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 17 Nov 2025 14:15
Operator : PEST10:akm
Sample   : cicvchlor,42e,,pp 12251 L1.0ICV
Misc   : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:24:52 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:24:10 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)		1.488	0.000	100.0#	0#	-3.67#
15	t	4,4'-DDE		1.465	0.000	100.0#	0#	-3.77#
16	t	Endosulfan I		1.361	0.000	100.0#	0#	-3.81#
17	t	Dieldrin	*	50.000	0.000	100.0#	0	-4.08#
18	t	Endrin		1.387	0.000	100.0#	0#	-4.33#
19	t	4,4'-DDD		1.144	0.000	100.0#	0#	-4.44#
20	t	Endosulfan II		1.271	0.000	100.0#	0#	-4.57#
21	t	4,4'-DDT		1.171	0.000	100.0#	0#	-4.72#
22	t	Endrin Aldehyde		0.985	0.000	100.0#	0#	-4.98#
23	t	Methoxychlor		0.657	0.000	100.0#	0#	-5.20#
24	t	Mirex		1.114	0.000	100.0#	0#	-5.26#
25	t	Endosulfan Sulfate		1.169	0.000	100.0#	0#	-5.36#
26	t	Endrin Ketone		1.348	0.000	100.0#	0#	-5.59#
27	s	Decachlorobiphenyl		1.202	0.000	100.0#	0#	-6.38#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.36#
34	l2	toxaphene-1	*	0.057	0.000	100.0#	0#	-4.56#
35	l2	toxaphene-2	*	0.044	0.000	100.0#	0#	-4.68#
36	l2	toxaphene-4	*	0.030	0.000	100.0#	0#	-5.09#
37	l2	toxaphene-5	*	0.041	0.000	100.0#	0#	-5.27#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.42#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.256	0.000	100.0#	0#	-1.91#
3	t	Hexachlorobenzene		1.384	0.000	100.0#	0#	-2.24#
4	t	alpha-BHC		1.661	0.000	100.0#	0#	-2.33#
5	t	gamma-BHC (lindane)		1.579	0.000	100.0#	0#	-2.63#
6	t	beta-BHC		0.740	0.000	100.0#	0#	-2.69#
7	t	delta-BHC		1.496	0.000	100.0#	0#	-2.96#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 17 Nov 2025 14:15
Operator : PEST10:akm
Sample   : cicvchlor,42e,,pp 12251 L1.0ICV
Misc   : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:24:52 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:24:10 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8	t	Heptachlor		1.444	0.000	100.0#	0#	-3.03#
9	t	Aldrin		1.471	0.000	100.0#	0#	-3.36#
10	t	Alachlor		0.227	0.000	100.0#	0#	-3.23#
11	t	Chlorpyrifos		0.706	0.000	100.0#	0#	-3.60#
12	t	Heptachlor Epoxide		1.320	0.000	100.0#	0#	-3.98#
13	t	gamma-Chlordane (trans)		1.434	0.000	100.0#	0#	-4.21#
14	t	alpha-Chlordane (cis)		1.424	0.000	100.0#	0#	-4.37#
15	t	4,4'-DDE		1.383	0.000	100.0#	0#	-4.56#
16	t	Endosulfan I		1.298	0.000	100.0#	0#	-4.43#
17	t	Dieldrin		1.472	0.000	100.0#	0#	-4.72#
18	t	Endrin		1.295	0.000	100.0#	0#	-5.01#
19	t	4,4'-DDD		1.035	0.000	100.0#	0#	-5.13#
20	t	Endosulfan II		1.165	0.000	100.0#	0#	-5.21#
21	t	4,4'-DDT		1.048	0.000	100.0#	0#	-5.40#
22	t	Endrin Aldehyde		0.905	0.000	100.0#	0#	-5.50#
23	t	Methoxychlor		0.580	0.000	100.0#	0#	-5.96#
24	t	Mirex		0.994	0.000	100.0#	0#	-6.10#
25	t	Endosulfan Sulfate		1.085	0.000	100.0#	0#	-5.73#
26	t	Endrin Ketone		1.225	0.000	100.0#	0#	-6.14#
27	s	Decachlorobiphenyl		1.086	0.000	100.0#	0#	-6.99#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.42#
34	l2	toxaphene-1		0.021	0.000	100.0#	0#	-5.16#
35	l2	toxaphene-2		0.033	0.000	100.0#	0#	-5.19#
36	l2	toxaphene-4		0.037	0.000	100.0#	0#	-5.51#
37	l2	toxaphene-5		0.036	0.000	100.0#	0#	-5.91#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 14:15
Operator : PEST10:akm
Sample : cicvchlor,42e,,pp 12251 L1.0ICV
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:24:52 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:24:10 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.361	1.420	59712749	53028390	25.000M4	25.000
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 14:15
Operator : PEST10:akm
Sample : cicvchlor,42e,,pp 12251 L1.0ICV
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:24:52 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:24:10 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.538	2.894	100.7E6	87834435	837.624	848.944
30) l1	chlordane-3	2.967	3.511	120.8E6	101.2E6	803.572	824.773
31) l1	chlordane-4	3.537	4.204	410.0E6	332.7E6	835.999	853.322M3
32) l1	chlordane-5	3.662	4.372	700.3E6	262.3E6	925.193	827.775
Sum	chlordane-1			1331.7E6	784.0E6	NoCal	NoCal D
Average	chlordane-1					850.597	838.703
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

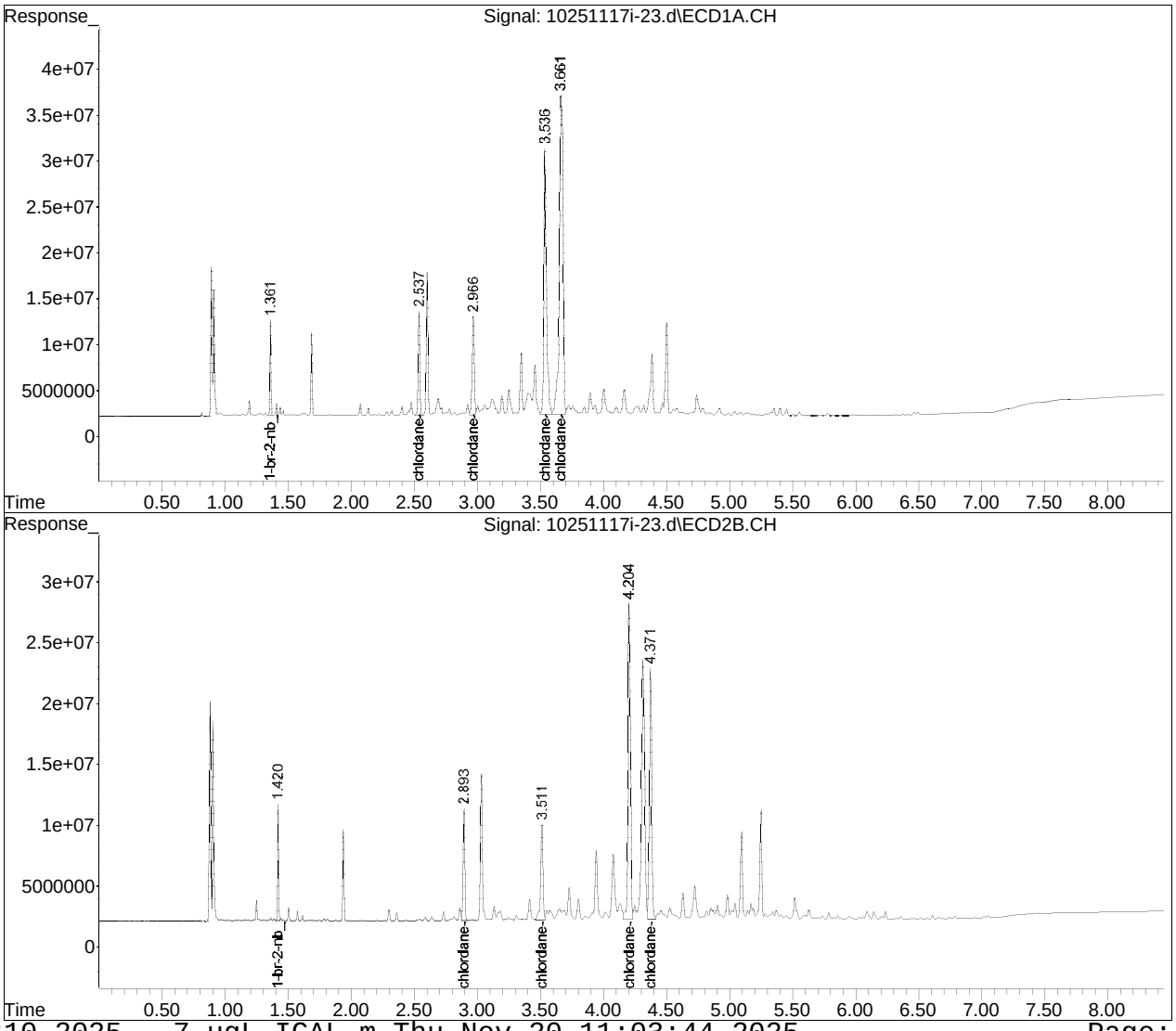
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 14:15
Operator : PEST10:akm
Sample : cicvchlor,42e,,pp 12251 L1.0ICV
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:24:52 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:24:10 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

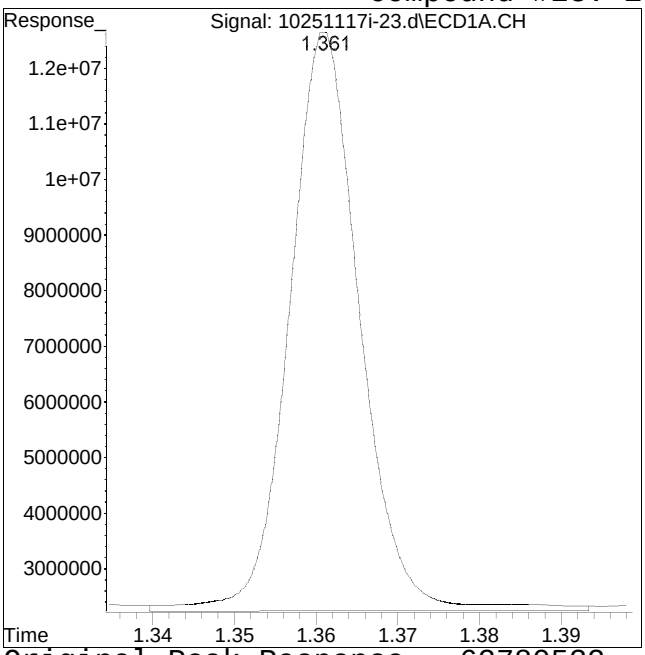
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



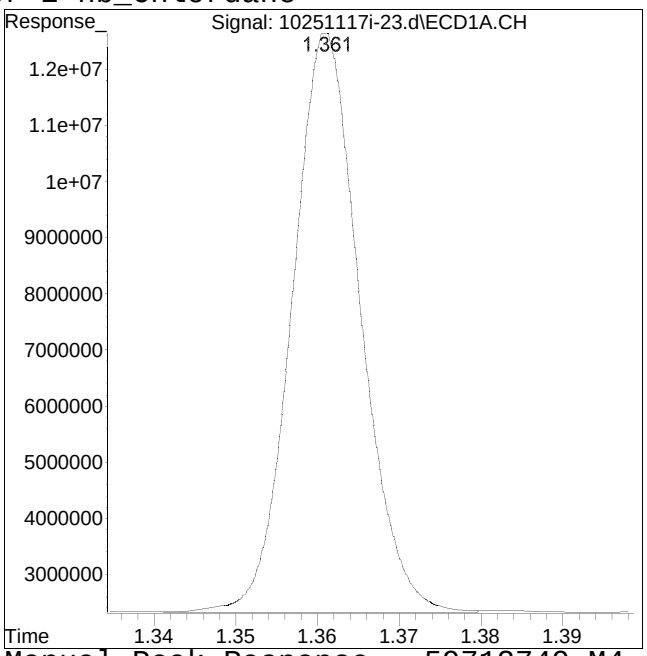
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-23.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 14:15 Instrument : Pest 10
Sample : cicvchlor,42e,,pp 12251 L1Quant Date : 11/20/2025 10:24 am

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 62780532



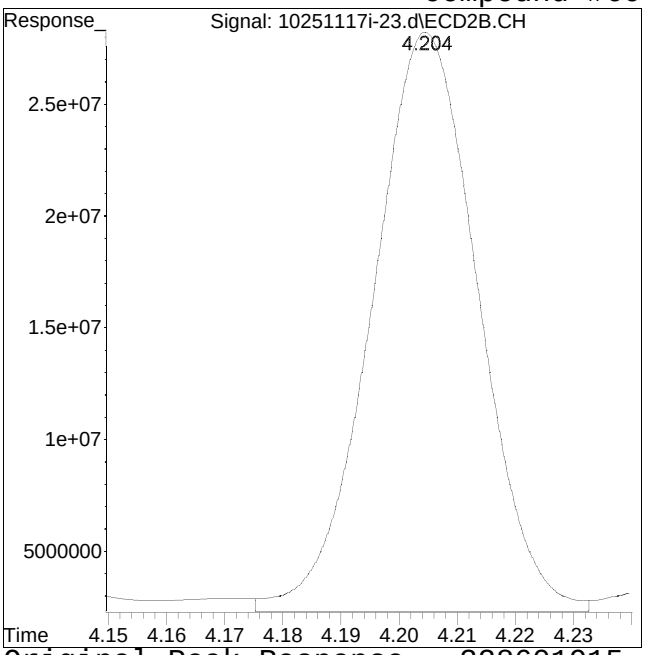
Manual Peak Response = 59712749 M4

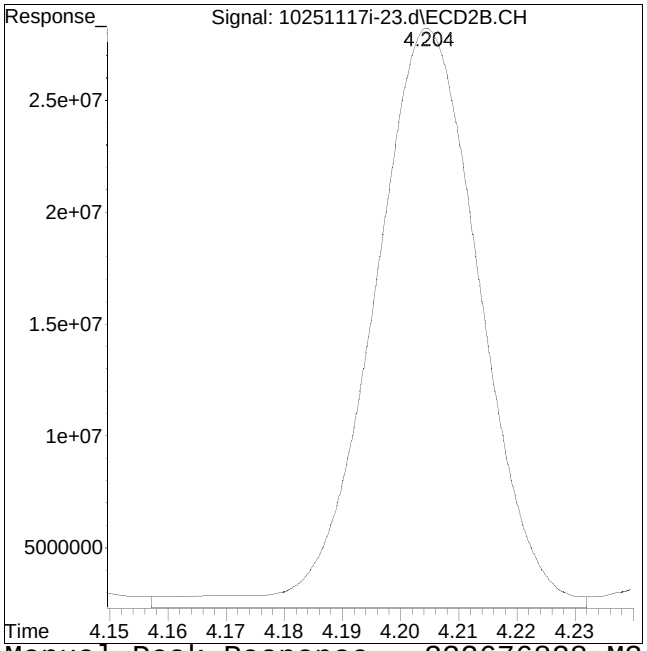
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-23.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 14:15 Instrument : Pest 10
Sample : cicvchlor,42e,,pp 12251 L1Quant Date : 11/20/2025 10:24 am

Compound #69: chlordane-4 #2





Original Peak Response = 328601915 Manual Peak Response = 332676828 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 14:26
Operator : PEST10:akm
Sample : il3tox,42e,,pp 12302 L0.02
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:36:41 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:36:29 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	1.361	1.419	65339000	58261732	25.000M4	25.000M4
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
		Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27)	s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
		Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
		Target Compounds						
3)	t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 14:26
Operator : PEST10:akm
Sample : il3tox,42e,,pp 12302 L0.02
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:36:41 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:36:29 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	4.559	5.166	2164848	742190	13.545	14.574
35) l2	toxaphene-2	4.680	5.193	2002625	1400516	16.882M2	17.951M4
36) l2	toxaphene-4	5.092	5.507	1077364	1452864	12.568M2	16.080M4
37) l2	toxaphene-5	5.272	5.913	2103415	1698744	19.657M4	20.342M4
Sum	toxaphene-1			7348251	5294315	62.653	68.947
Average	toxaphene-1					15.663	17.237

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			7348251	5294315	62.653	68.947
Average	toxaphene-1					15.663	17.237

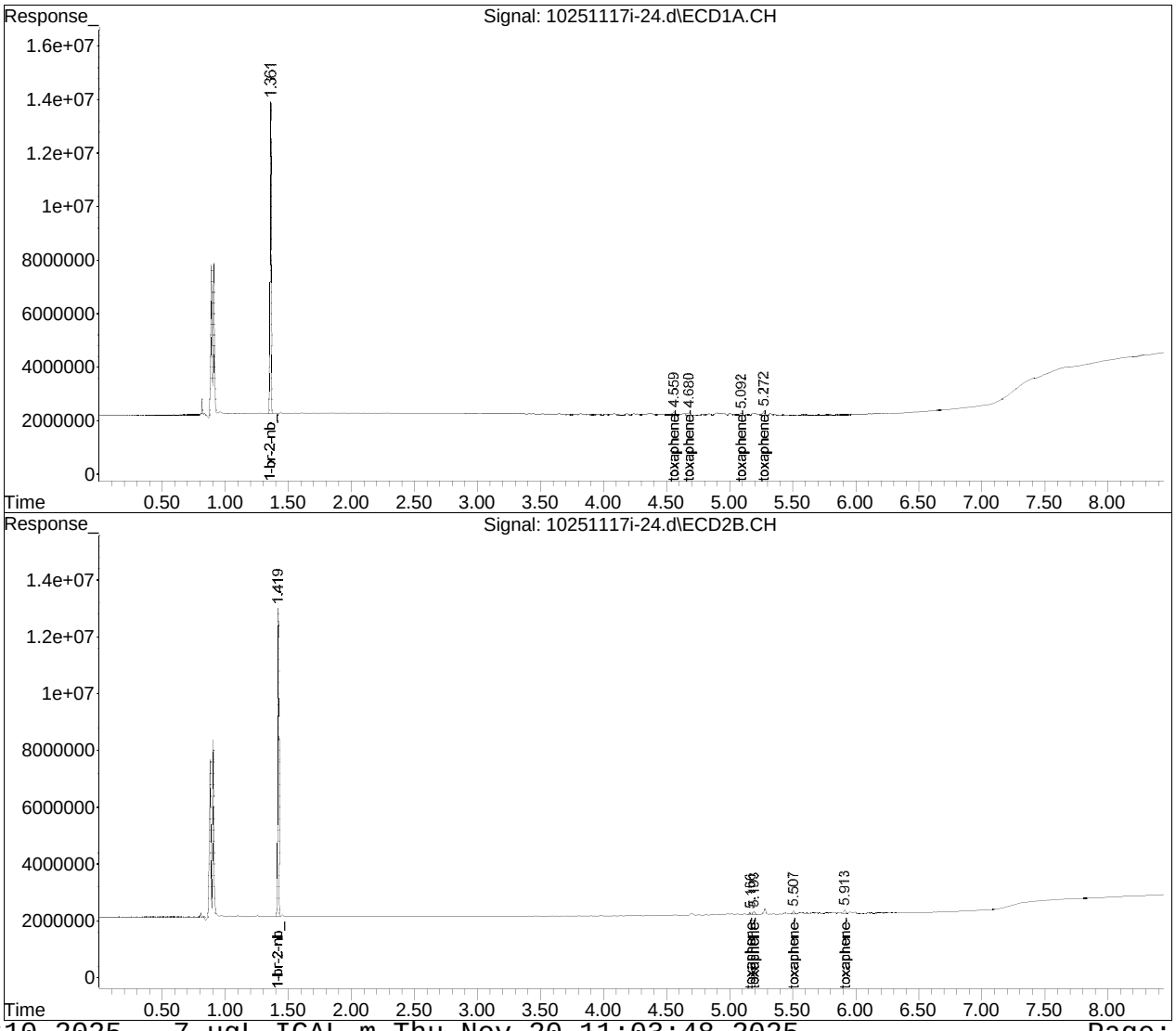
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 14:26
Operator : PEST10:akm
Sample : il3tox,42e,,pp 12302 L0.02
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:36:41 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:36:29 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

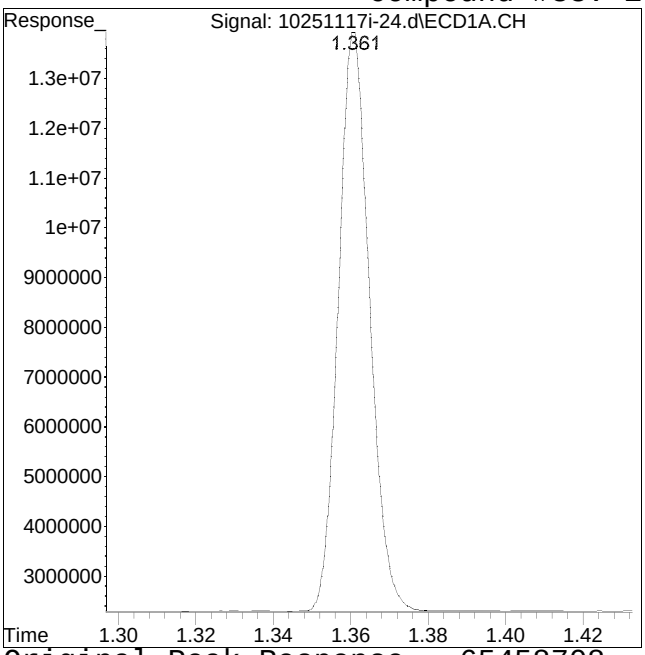
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

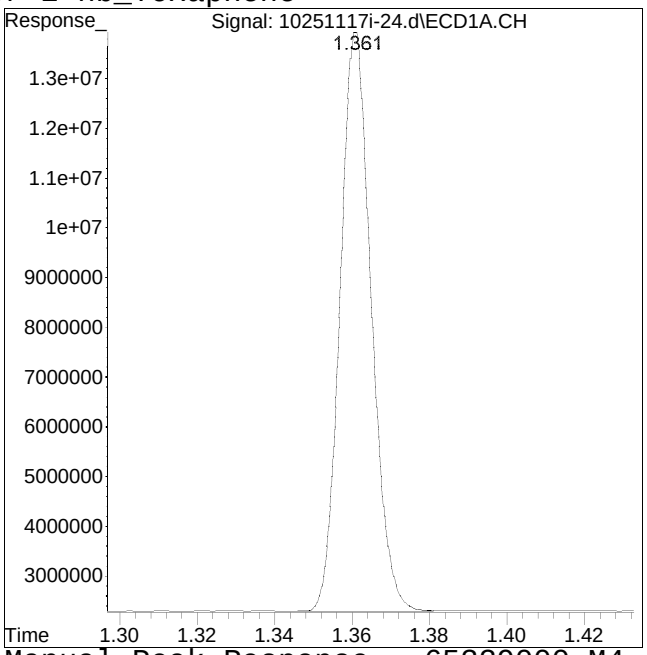


Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-24.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 14:26 Instrument : Pest 10
Sample : il3tox,42e,,pp 12302 L0.02Quant Date : 11/20/2025 10:36 am

Compound #33: 1-br-2-nb_Toxaphene





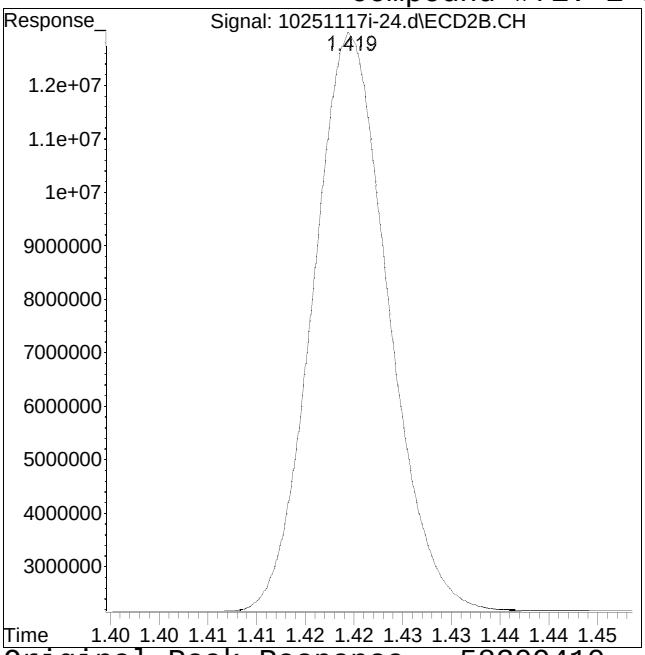
Original Peak Response = 65458708 Manual Peak Response = 65339000 M4
M4 = Poor automated baseline construction.

Manual Integration Report

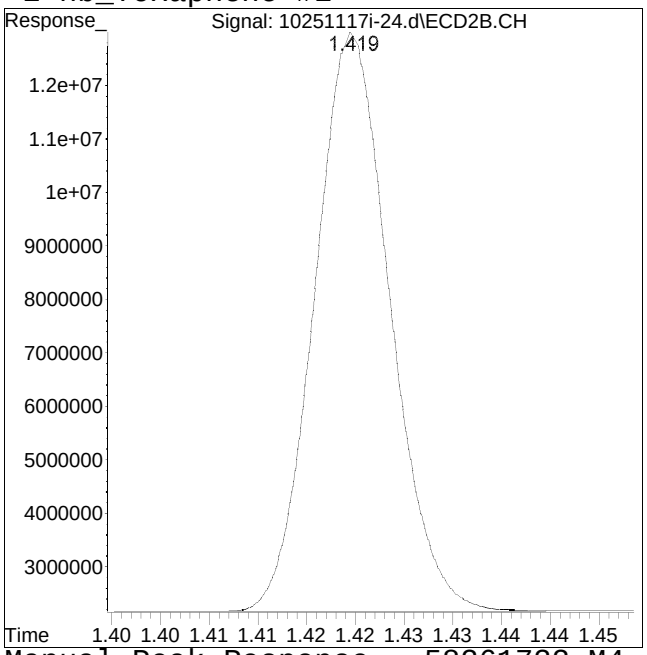
Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-24.d
Date Inj'd : 11/17/2025 14:26
Sample : il3tox,42e,,pp 12302 L0.02

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 10:36 am

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 58309410



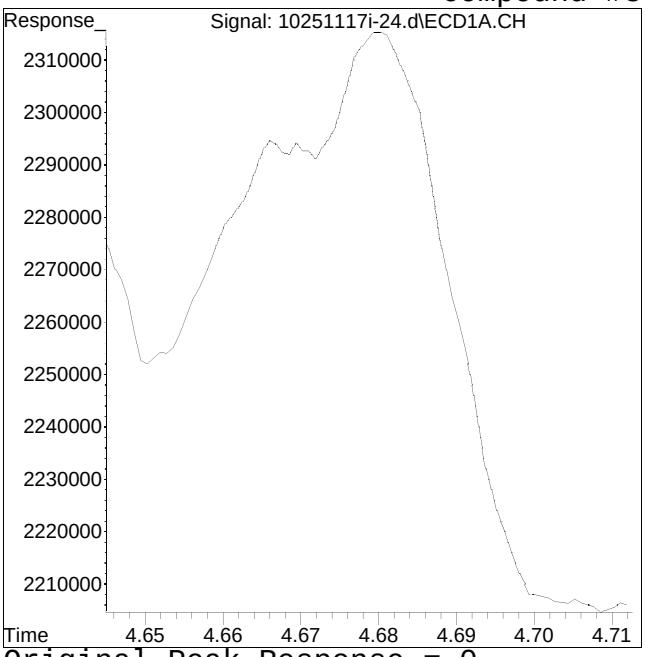
Manual Peak Response = 58261732 M4

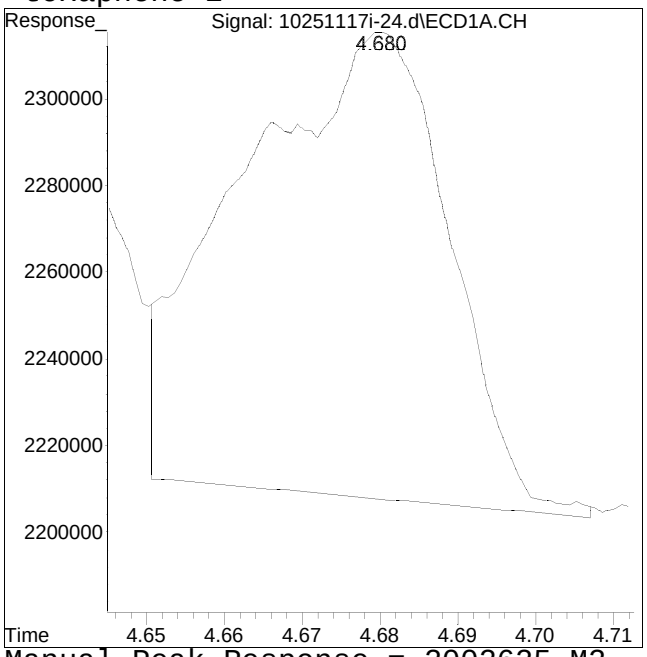
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-24.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 14:26 Instrument : Pest 10
Sample : il3tox,42e,,pp 12302 L0.02Quant Date : 11/20/2025 10:36 am

Compound #35: toxaphene-2



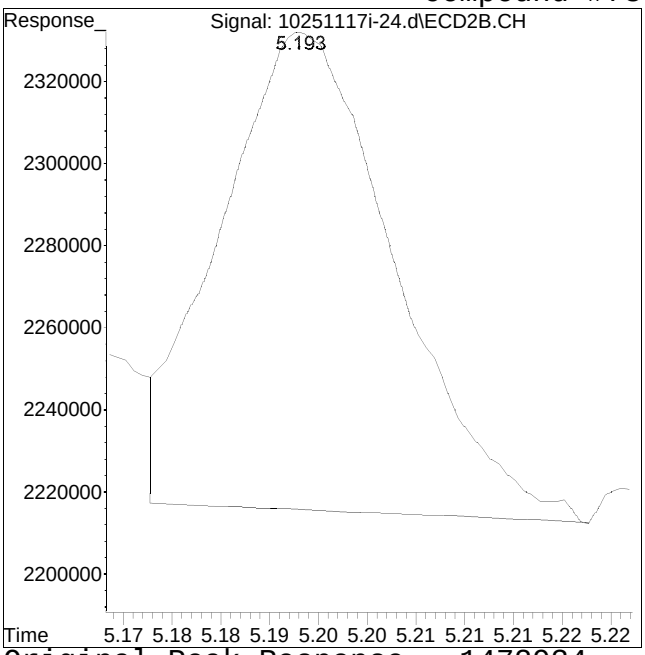


Original Peak Response = 0 Manual Peak Response = 2002625 M2
M2 = Peak not found by automatic integration algorithm.

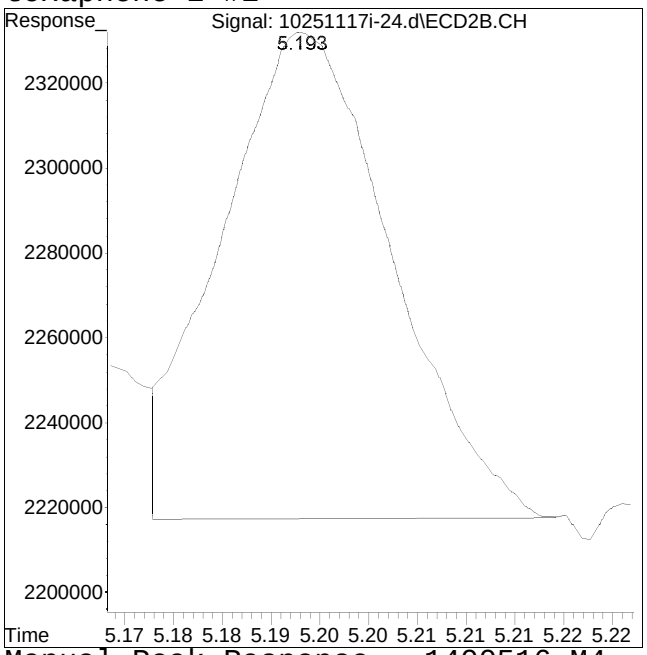
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-24.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 14:26 Instrument : Pest 10
Sample : il3tox,42e,,pp 12302 L0.02Quant Date : 11/20/2025 10:36 am

Compound #73: toxaphene-2 #2



Original Peak Response = 1472934



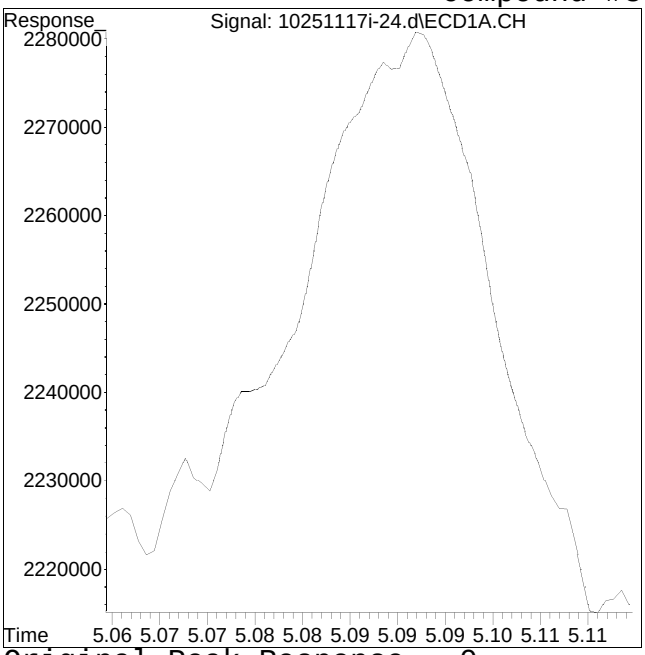
Manual Peak Response = 1400516 M4

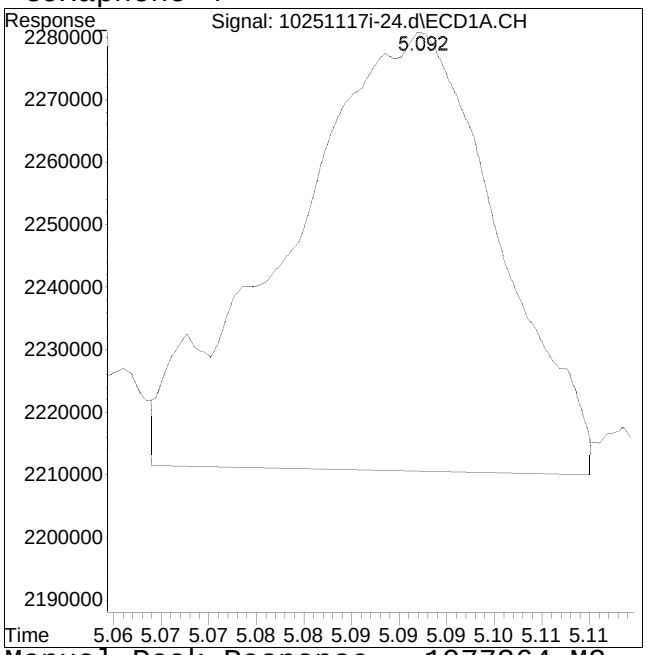
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-24.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 14:26 Instrument : Pest 10
Sample : il3tox,42e,,pp 12302 L0.02Quant Date : 11/20/2025 10:36 am

Compound #36: toxaphene-4



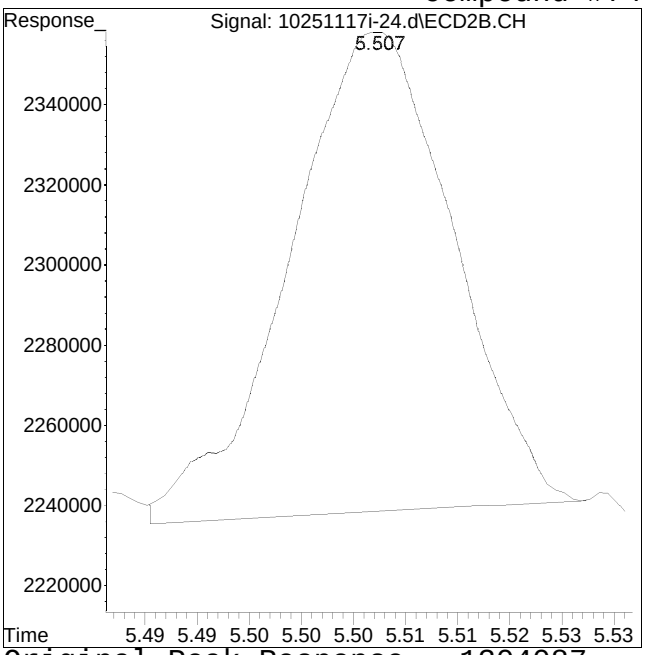


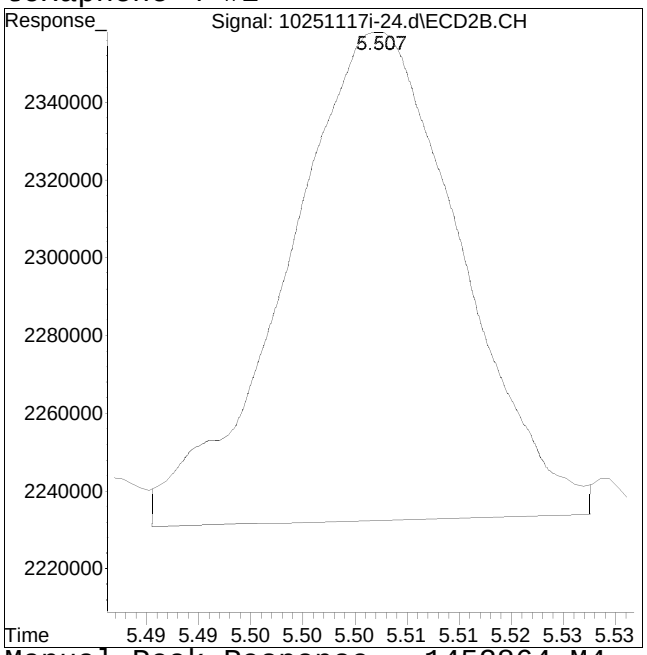
Original Peak Response = 0 Manual Peak Response = 1077364 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-24.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 14:26 Instrument : Pest 10
Sample : il3tox,42e,,pp 12302 L0.02Quant Date : 11/20/2025 10:36 am

Compound #74: toxaphene-4 #2



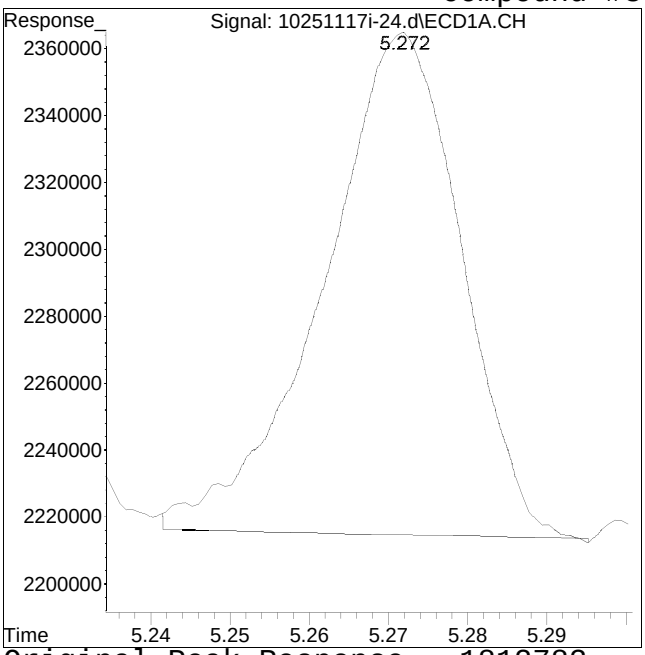


Original Peak Response = 1304087 Manual Peak Response = 1452864 M4
M4 = Poor automated baseline construction.

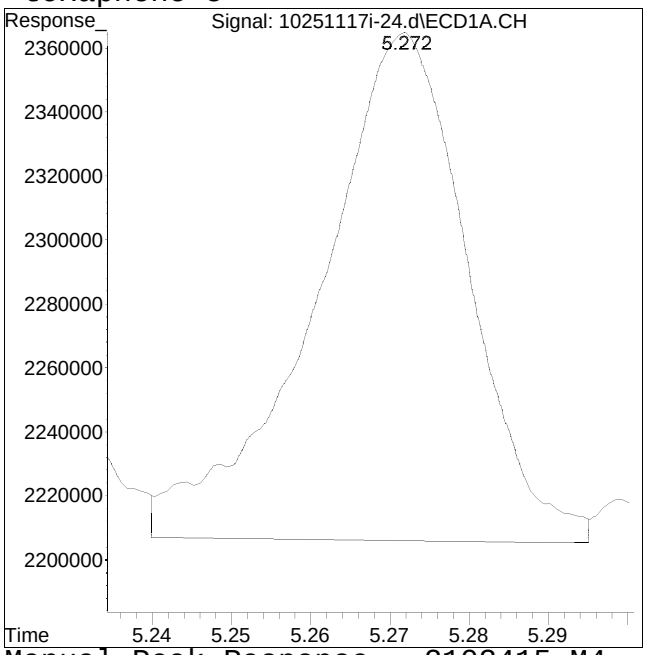
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-24.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 14:26 Instrument : Pest 10
Sample : il3tox,42e,,pp 12302 L0.02Quant Date : 11/20/2025 10:36 am

Compound #37: toxaphene-5



Original Peak Response = 1812783



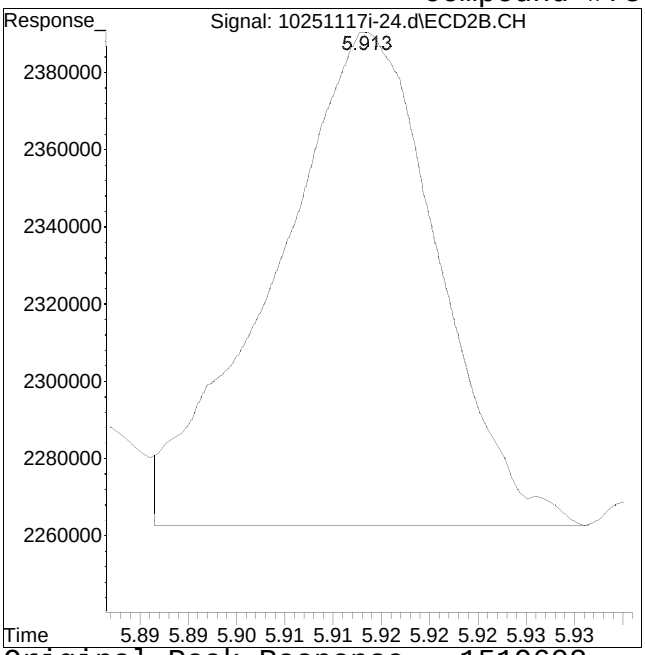
Manual Peak Response = 2103415 M4

M4 = Poor automated baseline construction.

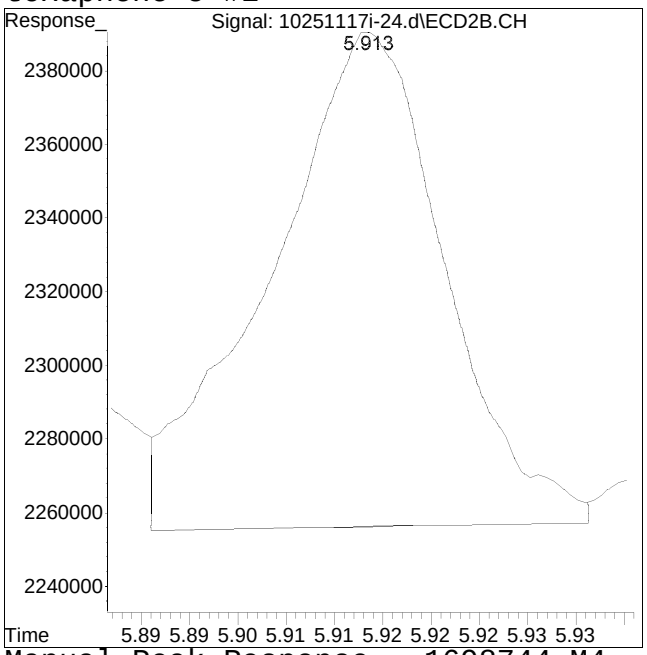
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-24.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 14:26 Instrument : Pest 10
Sample : il3tox,42e,,pp 12302 L0.02Quant Date : 11/20/2025 10:36 am

Compound #75: toxaphene-5 #2



Original Peak Response = 1519602



Manual Peak Response = 1698744 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-25.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 14:38
Operator : PEST10:akm
Sample : il4tox,42e,,pp 12302 L0.1
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:33:48 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:33:40 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.361	1.419	63122497	55957273	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-25.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 14:38
Operator : PEST10:akm
Sample : il4tox,42e,,pp 12302 L0.1
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:33:48 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:33:40 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	4.559	5.164	12868796	3641305	78.959	68.605M4
35) l2	toxaphene-2	4.680	5.193	8969940	6361217	72.988	80.822M4
36) l2	toxaphene-4	5.090	5.507	6174795	7320732	68.735M4	80.182
37) l2	toxaphene-5	5.271	5.914	9328554	7650988	87.397M4	93.946
Sum	toxaphene-1			37342086	24974242	308.079	323.554
Average	toxaphene-1					77.020	80.889

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			37342086	24974242	308.079	323.554
Average	toxaphene-1					77.020	80.889

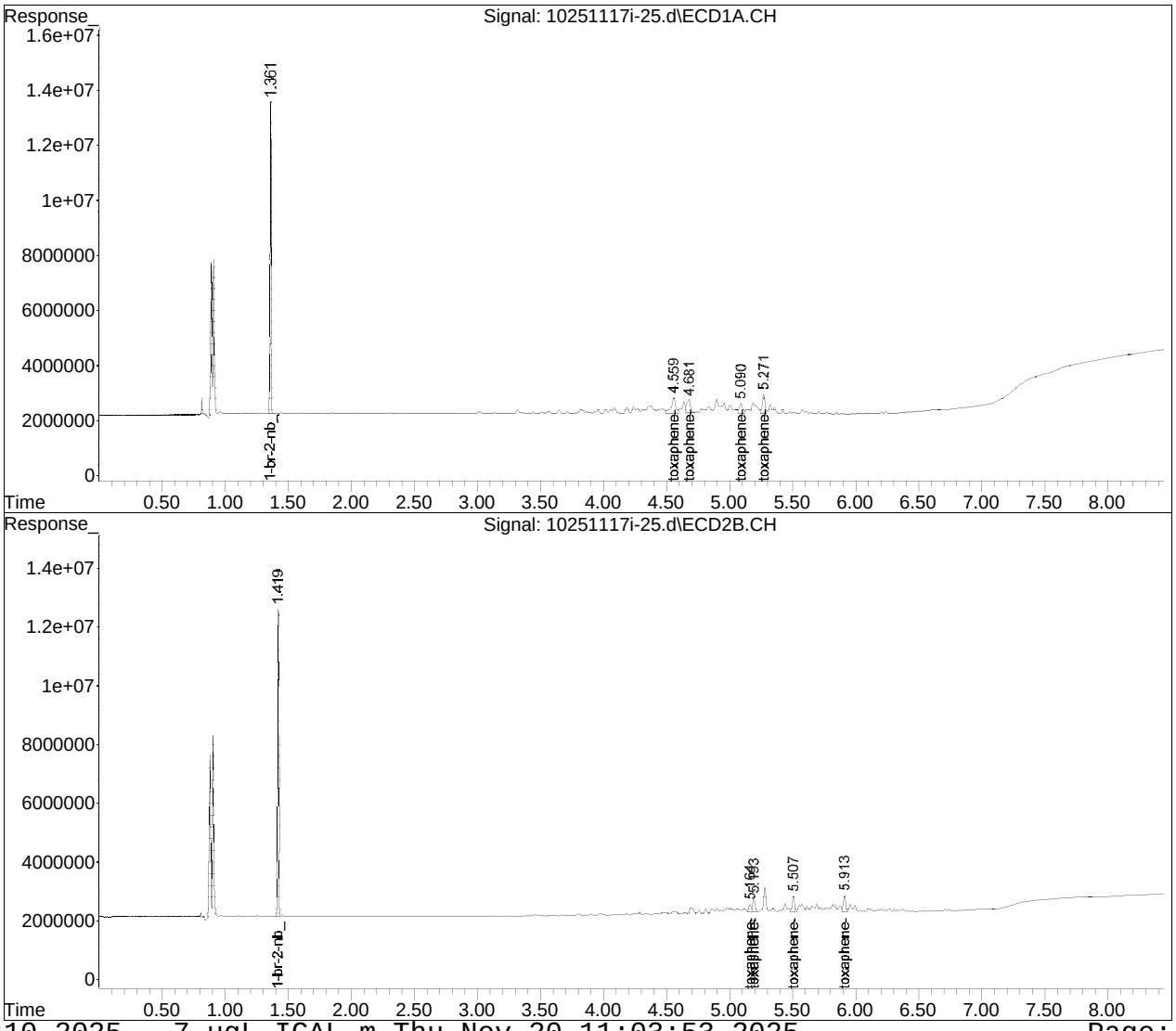
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-25.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 14:38
Operator : PEST10:akm
Sample : il4tox,42e,,pp 12302 L0.1
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:33:48 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:33:40 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

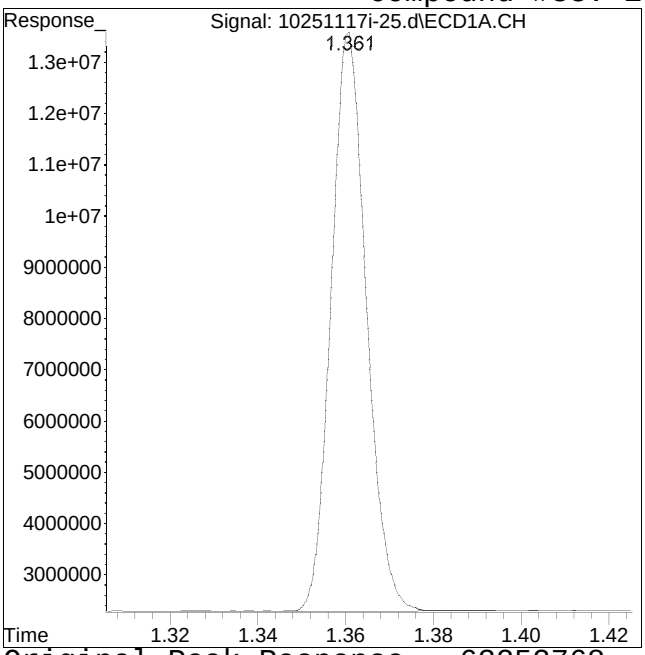
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



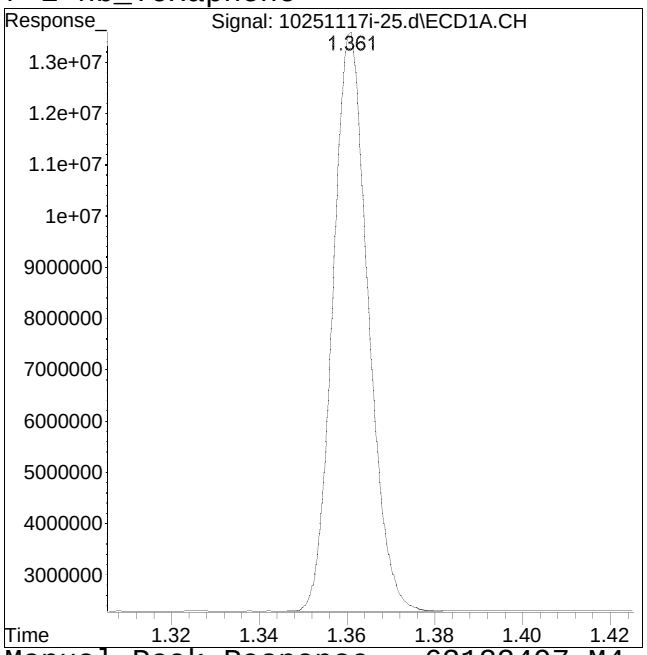
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-25.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 14:38 Instrument : Pest 10
Sample : il4tox,42e,,pp 12302 L0.1 Quant Date : 11/20/2025 10:33 am

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 63252768



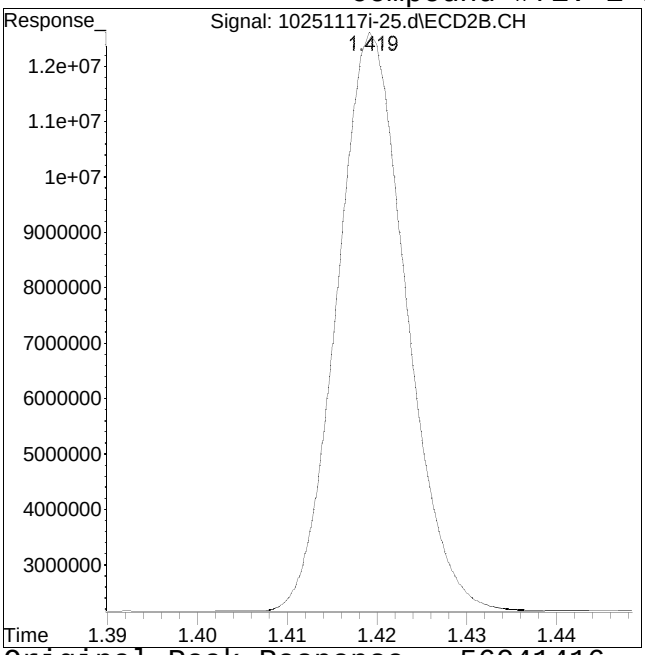
Manual Peak Response = 63122497 M4

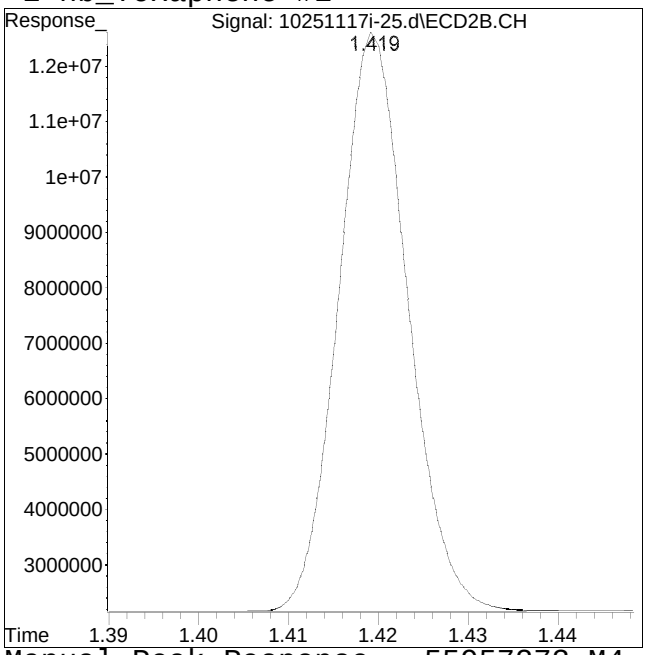
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-25.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 14:38 Instrument : Pest 10
Sample : il4tox,42e,,pp 12302 L0.1 Quant Date : 11/20/2025 10:33 am

Compound #71: 1-br-2-nb_Toxaphene #2



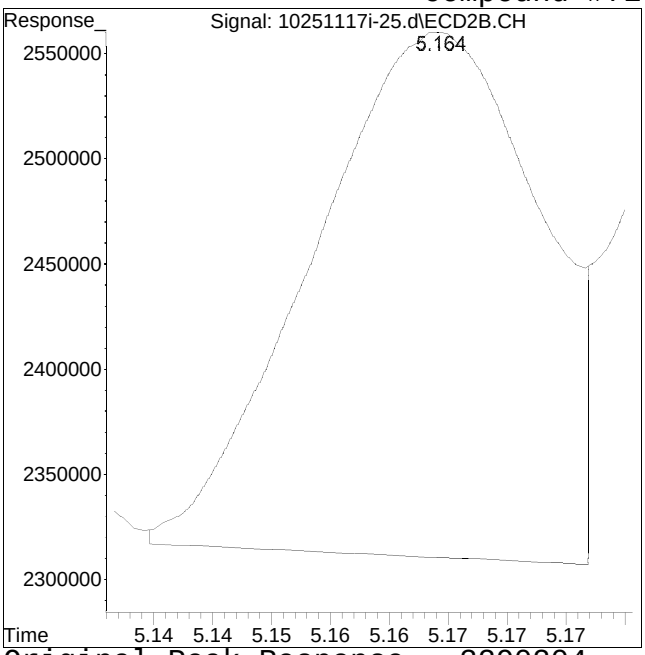


Original Peak Response = 56041416 Manual Peak Response = 55957273 M4
M4 = Poor automated baseline construction.

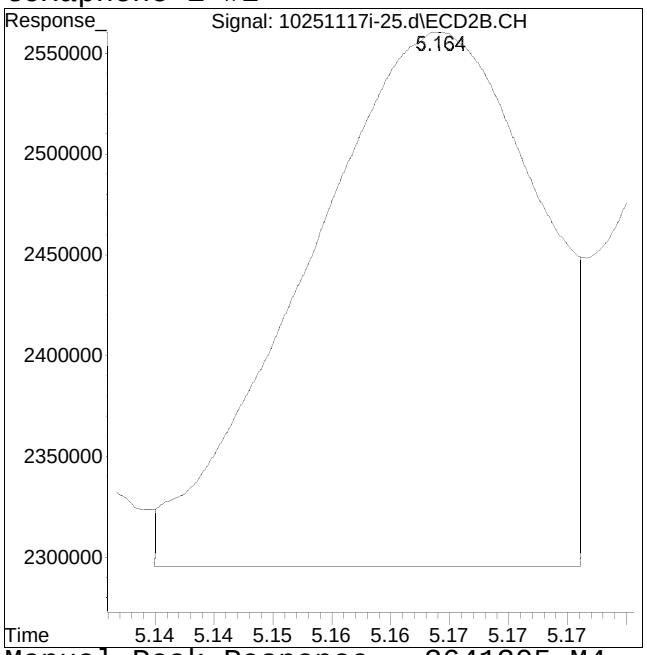
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-25.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 14:38 Instrument : Pest 10
Sample : il4tox,42e,,pp 12302 L0.1 Quant Date : 11/20/2025 10:33 am

Compound #72: toxaphene-1 #2



Original Peak Response = 3290204



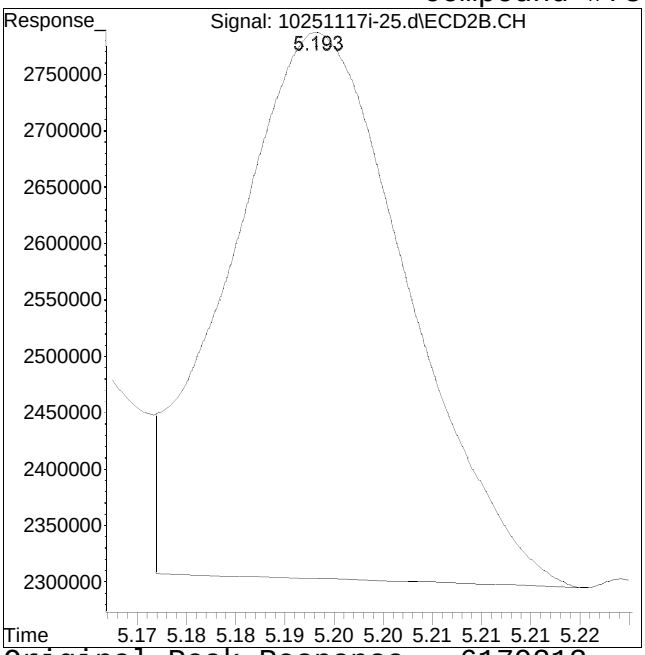
Manual Peak Response = 3641305 M4

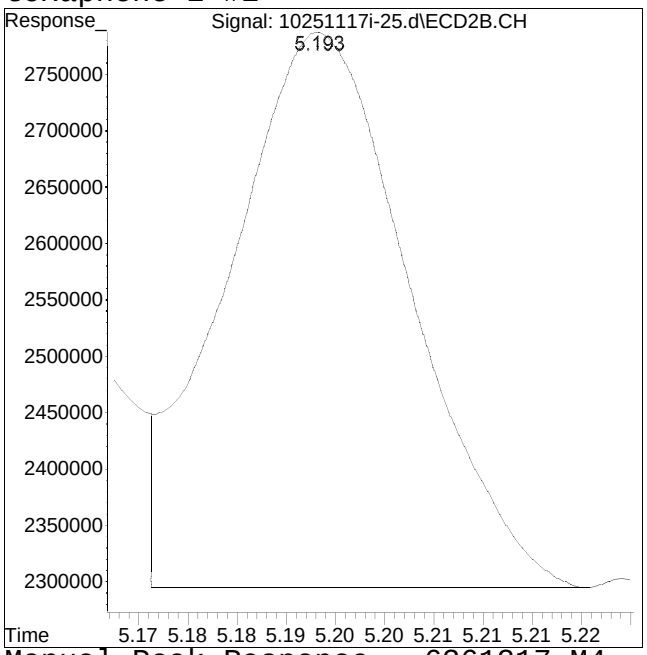
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-25.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 14:38 Instrument : Pest 10
Sample : il4tox,42e,,pp 12302 L0.1 Quant Date : 11/20/2025 10:33 am

Compound #73: toxaphene-2 #2



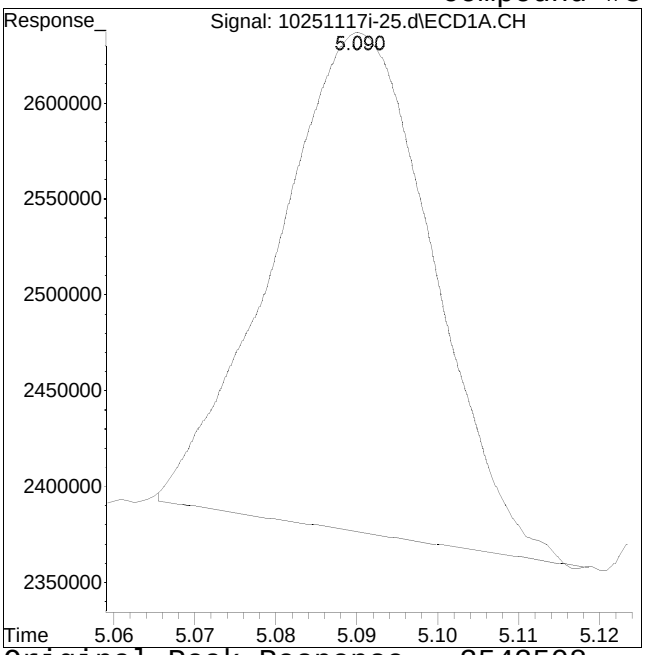


Original Peak Response = 6179213 Manual Peak Response = 6361217 M4
M4 = Poor automated baseline construction.

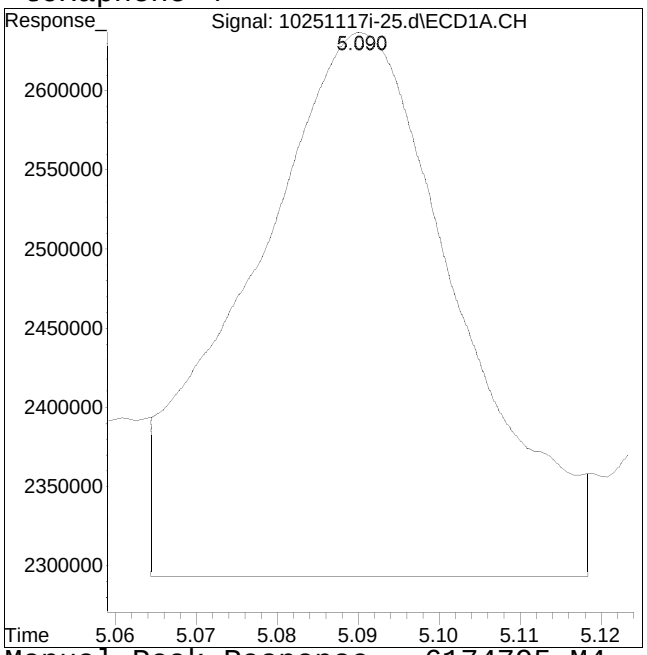
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-25.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 14:38 Instrument : Pest 10
Sample : il4tox,42e,,pp 12302 L0.1 Quant Date : 11/20/2025 10:33 am

Compound #36: toxaphene-4



Original Peak Response = 3543508



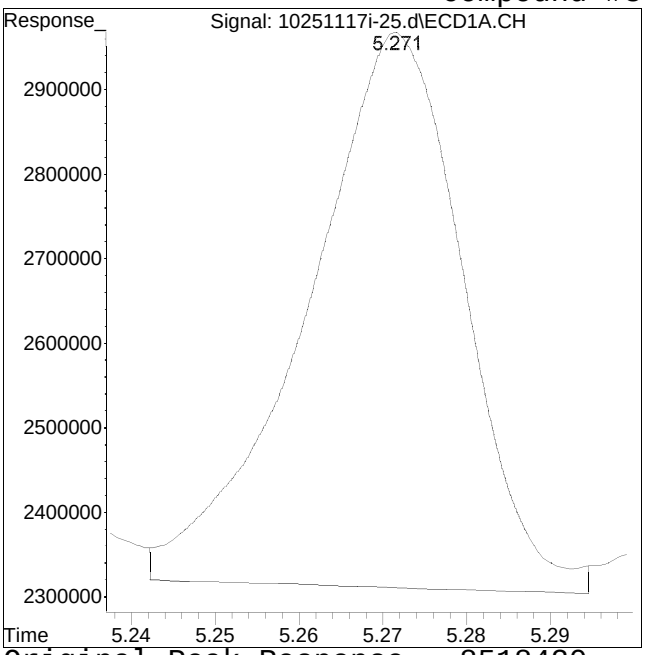
Manual Peak Response = 6174795 M4

M4 = Poor automated baseline construction.

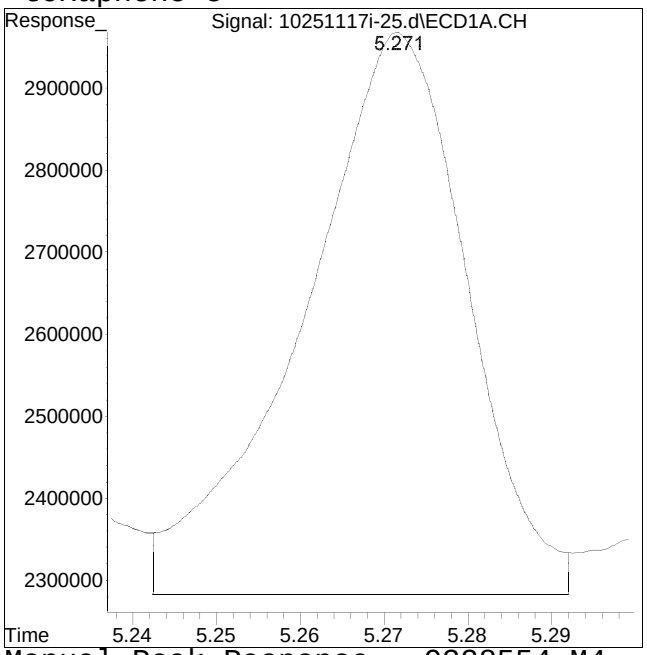
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-25.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 14:38 Instrument : Pest 10
Sample : il4tox,42e,,pp 12302 L0.1 Quant Date : 11/20/2025 10:33 am

Compound #37: toxaphene-5



Original Peak Response = 8518420



Manual Peak Response = 9328554 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-26.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 14:50
Operator : PEST10:akm
Sample : il7tox,42e,,pp 12302 L1.0
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:32:53 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:32:43 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.360	1.419	62407559	55323087	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-26.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 14:50
Operator : PEST10:akm
Sample : il7tox,42e,,pp 12302 L1.0
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:32:53 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:32:43 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	4.559	5.165	170.9E6	53381351	1094.233	1026.132
35) l2	toxaphene-2	4.680	5.194	127.6E6	78704828	1076.881	1017.257
36) l2	toxaphene-4	5.091	5.507	93739918	90837525	1085.509	1009.513
37) l2	toxaphene-5	5.272	5.913	112.2E6	81694305	1098.001	1022.092
Sum	toxaphene-1			504.5E6	304.6E6	4354.623	4074.993
Average	toxaphene-1					1088.656	1018.748

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			504.5E6	304.6E6	4354.623	4074.993
Average	toxaphene-1					1088.656	1018.748

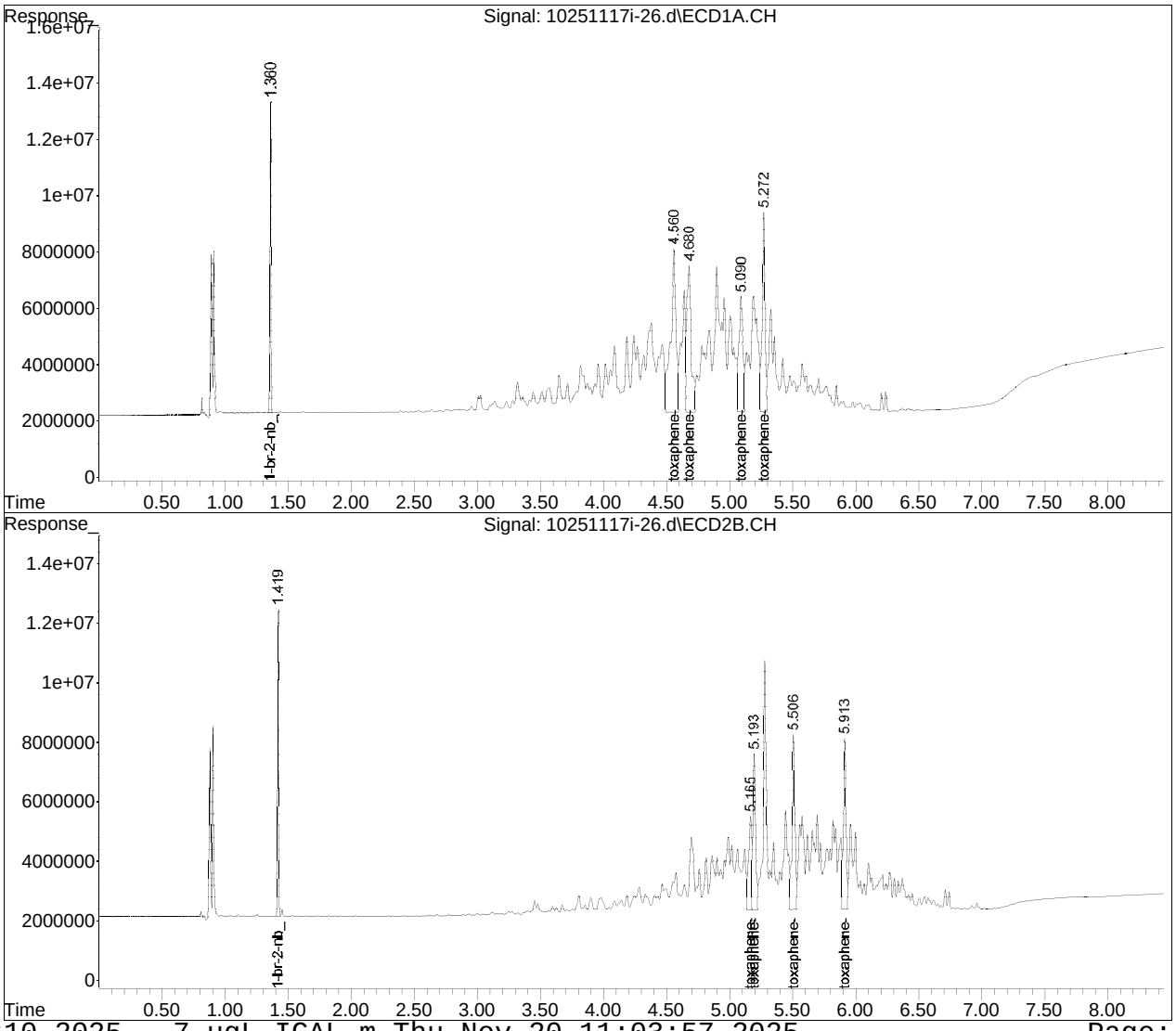
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-26.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 14:50
Operator : PEST10:akm
Sample : il7tox,42e,,pp 12302 L1.0
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:32:53 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:32:43 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

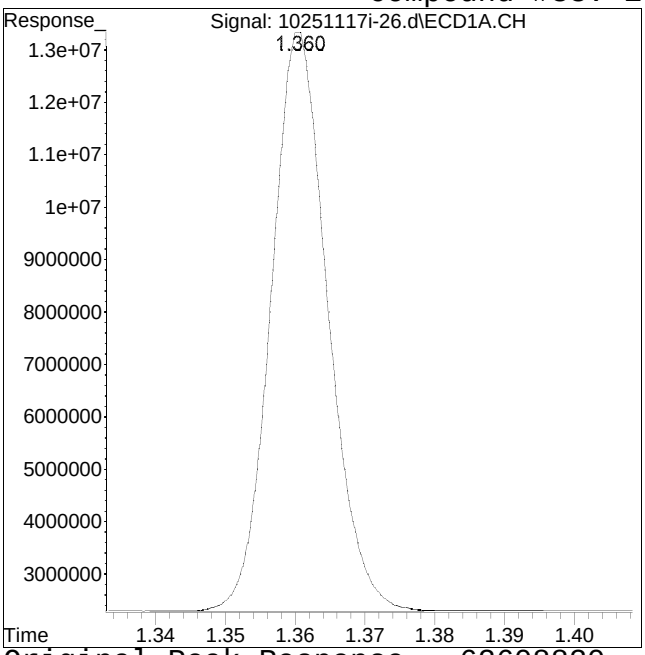
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



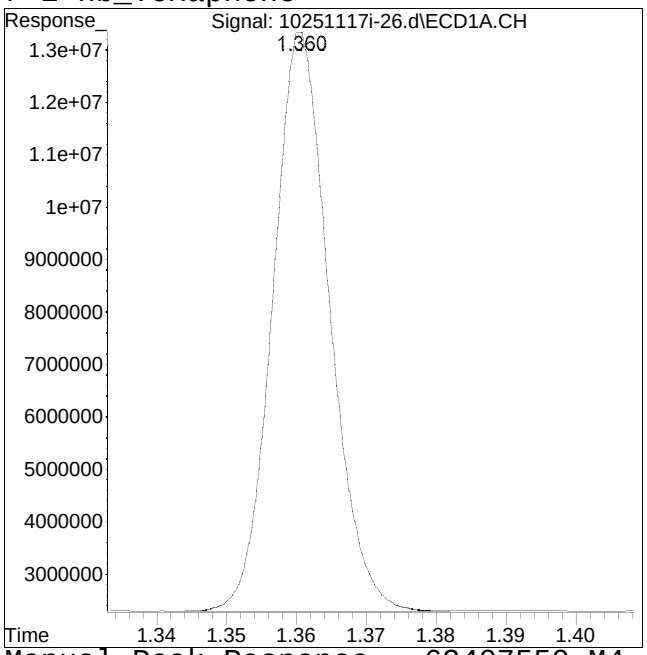
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-26.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 14:50 Instrument : Pest 10
Sample : il7tox,42e,,pp 12302 L1.0 Quant Date : 11/20/2025 10:32 am

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 62608830



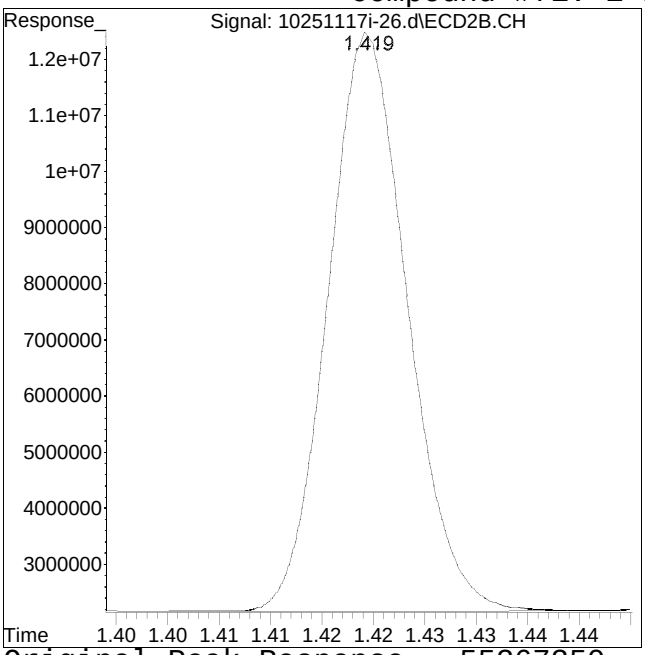
Manual Peak Response = 62407559 M4

M4 = Poor automated baseline construction.

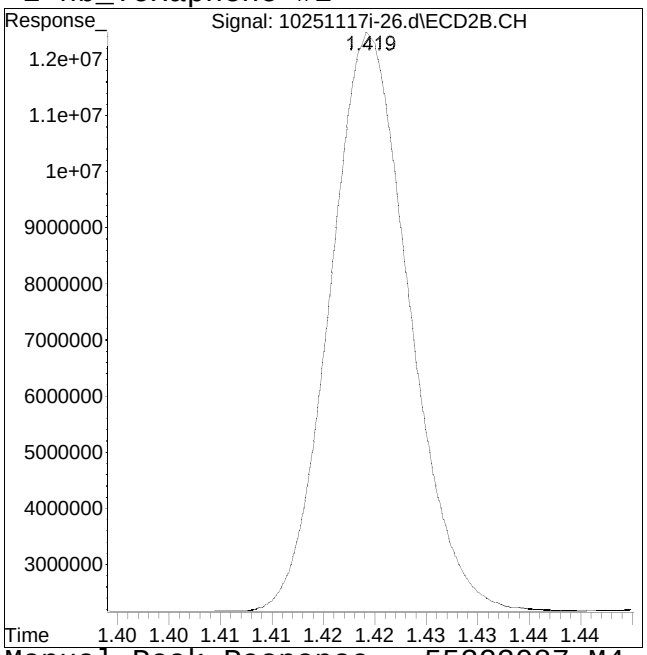
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-26.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 14:50 Instrument : Pest 10
Sample : il7tox,42e,,pp 12302 L1.0 Quant Date : 11/20/2025 10:32 am

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 55367350



Manual Peak Response = 55323087 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 15:01
Operator : PEST10:akm
Sample : il8tox,42e,,pp 12302 L2.0
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:30:51 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:30:44 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.360	1.419	64003328	55669086	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 15:01
Operator : PEST10:akm
Sample : il8tox,42e,,pp 12302 L2.0
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:30:51 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:30:44 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	4.559	5.164	333.3E6	106.4E6	NoCal	NoCal
35) l2	toxaphene-2	4.680	5.194	251.9E6	157.7E6	NoCal	NoCal
36) l2	toxaphene-4	5.090	5.507	181.3E6	182.6E6	NoCal	NoCal
37) l2	toxaphene-5	5.271	5.913	218.5E6	162.7E6	NoCal	NoCal
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

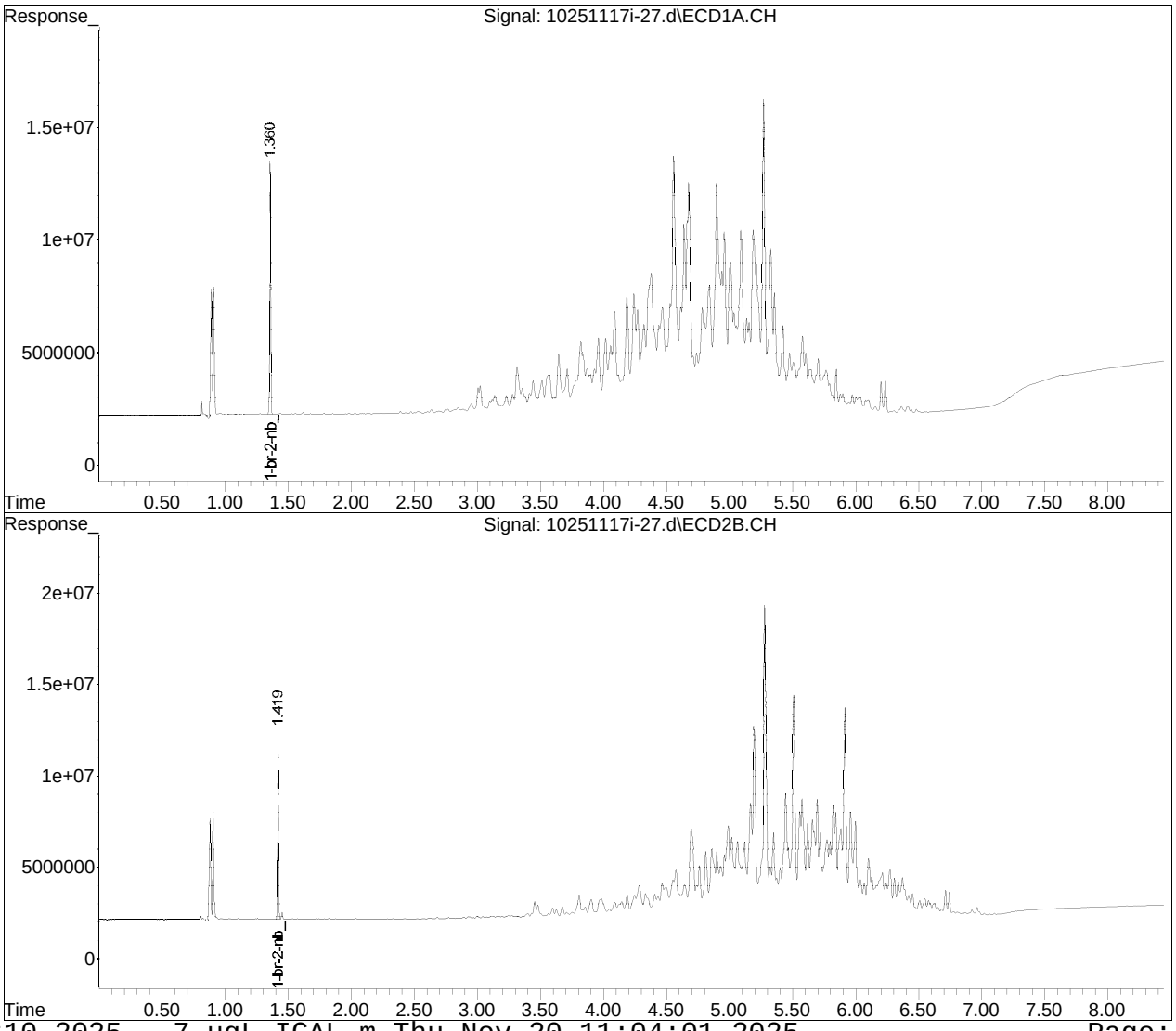
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 15:01
Operator : PEST10:akm
Sample : il8tox,42e,,pp 12302 L2.0
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:30:51 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:30:44 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

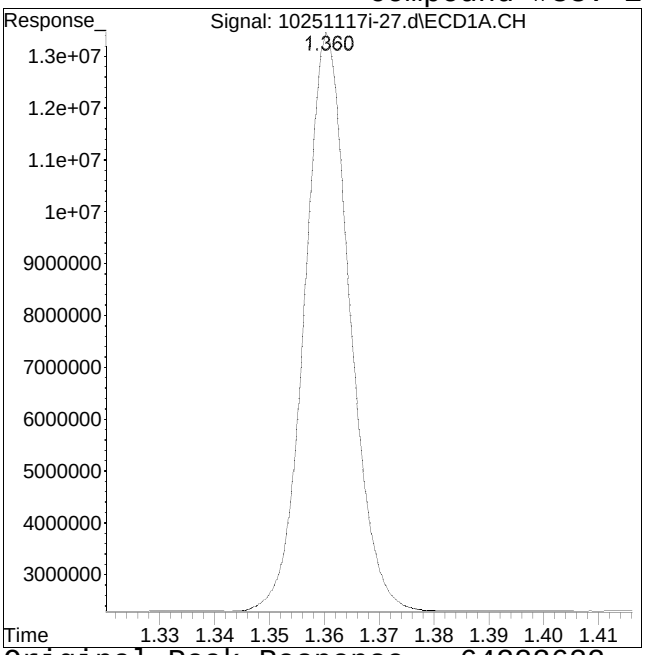
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



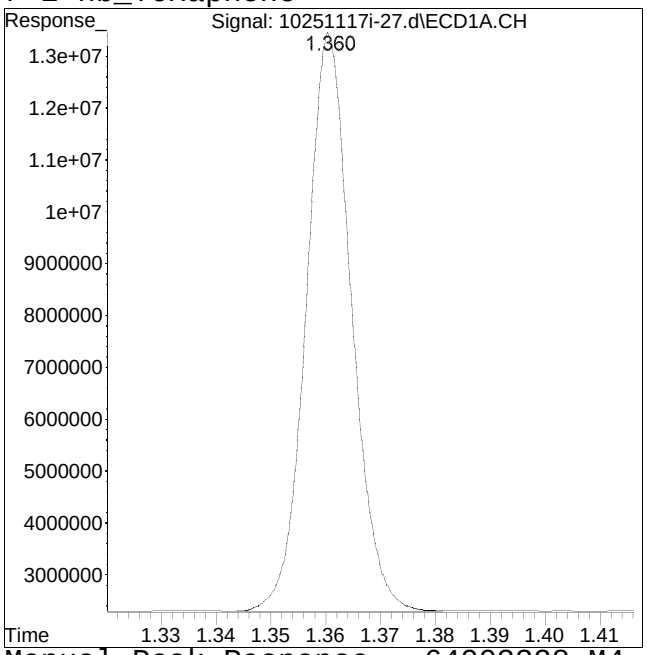
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-27.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 15:01 Instrument : Pest 10
Sample : il8tox,42e,,pp 12302 L2.0 Quant Date : 11/20/2025 10:30 am

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 64223632



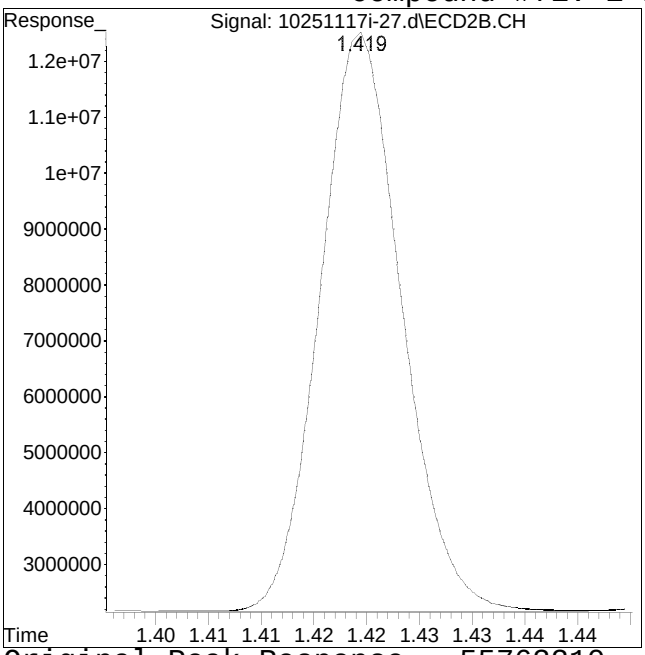
Manual Peak Response = 64003328 M4

M4 = Poor automated baseline construction.

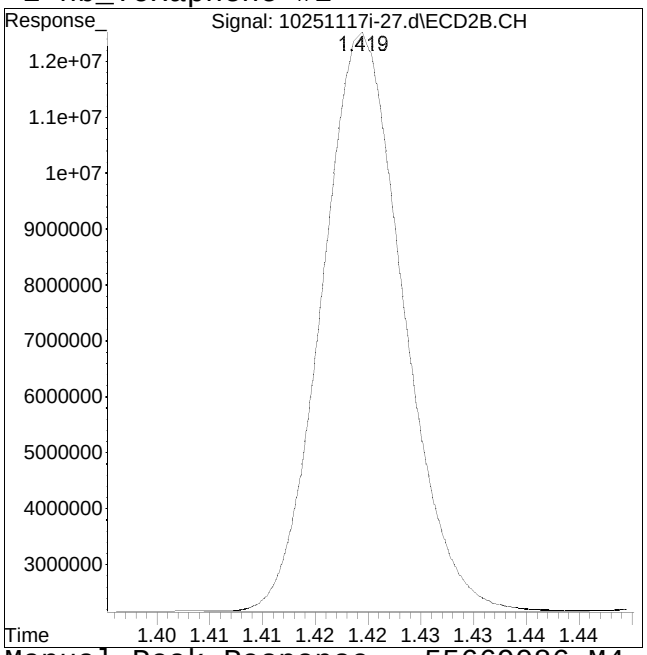
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-27.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 15:01 Instrument : Pest 10
Sample : il8tox,42e,,pp 12302 L2.0 Quant Date : 11/20/2025 10:30 am

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 55763210



Manual Peak Response = 55669086 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-28.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 15:13
Operator : PEST10:akm
Sample : il9tox,42e,,pp 12302 L5.0
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:31:50 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:31:41 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.361	1.420	64883376	53917427	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-28.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 15:13
Operator : PEST10:akm
Sample : il9tox,42e,,pp 12302 L5.0
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:31:50 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:31:41 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	4.559	5.165	779.4E6	249.4E6	4613.110	4841.910
35) l2	toxaphene-2	4.680	5.194	593.3E6	372.1E6	4646.470	4872.398
36) l2	toxaphene-4	5.090	5.507	438.3E6	434.7E6	4769.379	4915.333
37) l2	toxaphene-5	5.272	5.914	508.6E6	385.1E6	4591.707	4888.182
Sum	toxaphene-1			2319.6E6	1441.4E6	18620.667	19517.822
Average	toxaphene-1					4655.167	4879.456

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			2319.6E6	1441.4E6	18620.667	19517.822
Average	toxaphene-1					4655.167	4879.456

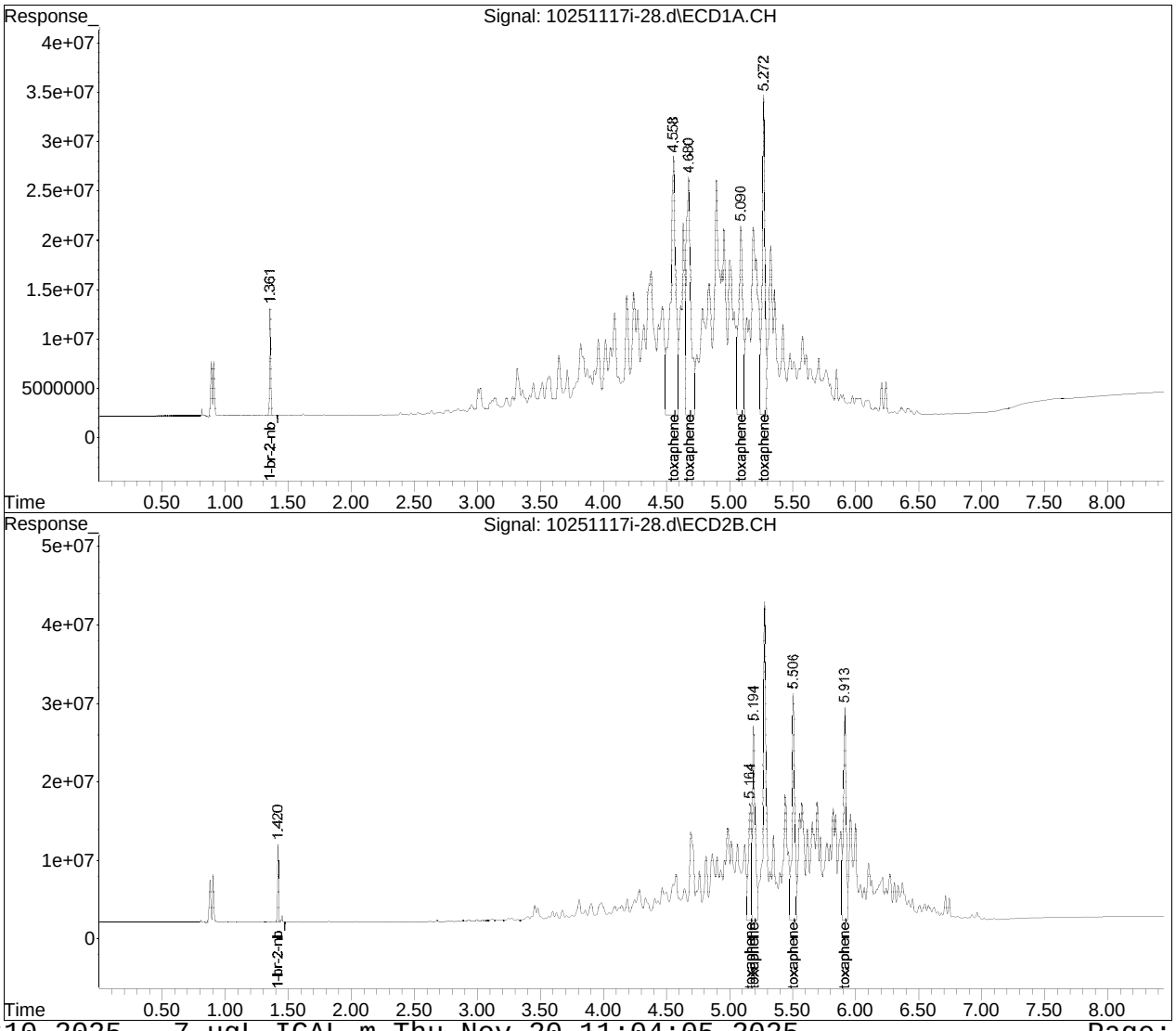
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-28.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 15:13
Operator : PEST10:akm
Sample : il9tox,42e,,pp 12302 L5.0
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:31:50 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:31:41 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

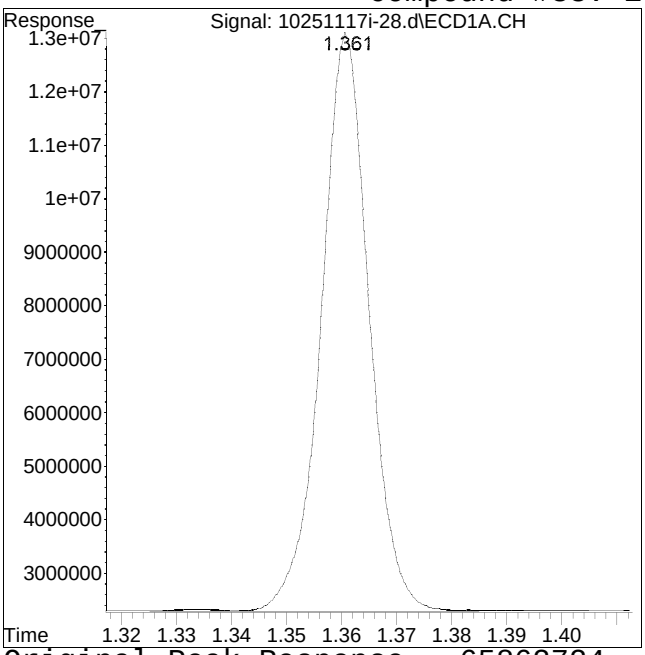
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

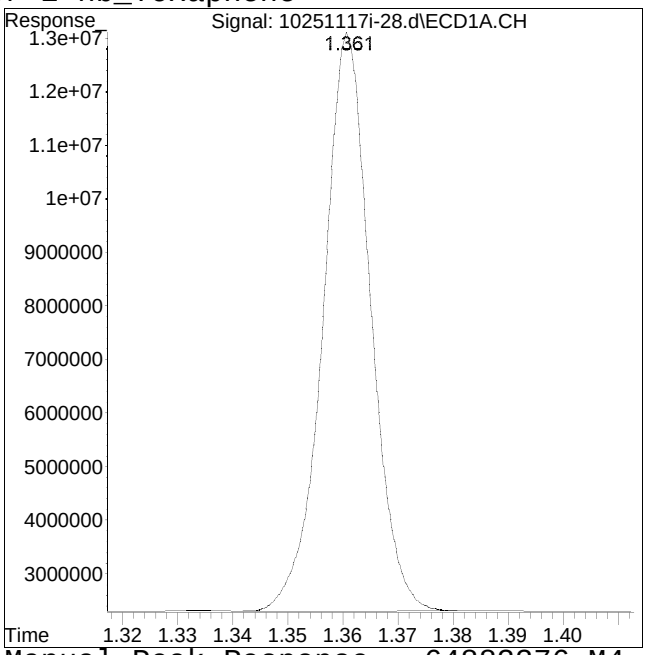


Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-28.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 15:13 Instrument : Pest 10
Sample : il9tox,42e,,pp 12302 L5.0 Quant Date : 11/20/2025 10:31 am

Compound #33: 1-br-2-nb_Toxaphene



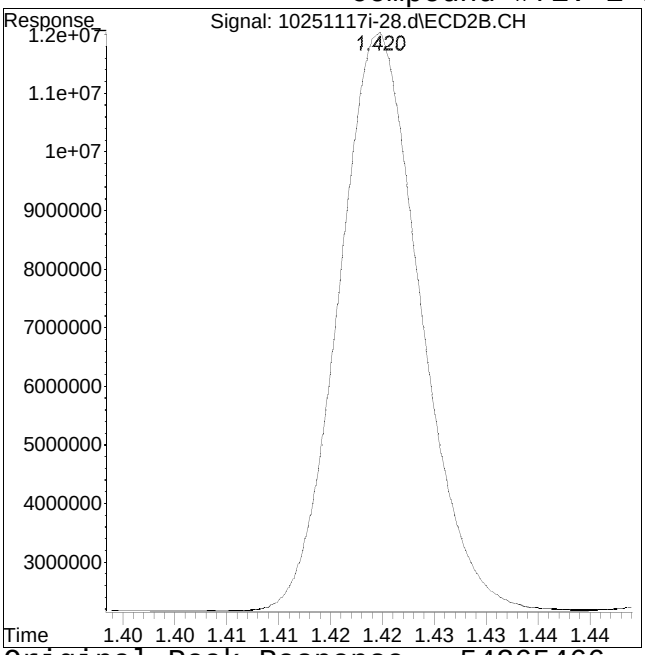


Original Peak Response = 65862724 Manual Peak Response = 64883376 M4
M4 = Poor automated baseline construction.

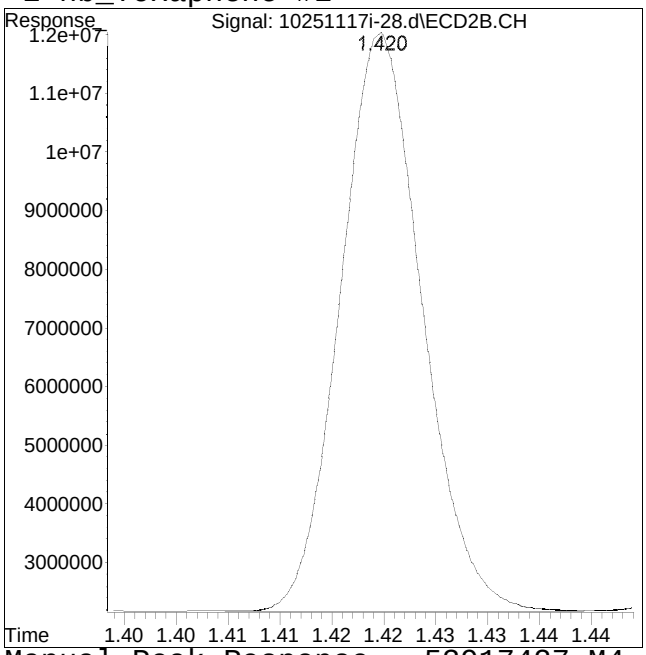
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-28.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 15:13 Instrument : Pest 10
Sample : il9tox,42e,,pp 12302 L5.0 Quant Date : 11/20/2025 10:31 am

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 54265466



Manual Peak Response = 53917427 M4

M4 = Poor automated baseline construction.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-29.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 17 Nov 2025 15:25
Operator : PEST10:akm
Sample   : cicvtox,42e,,pp 12296 L2.0ICV
Misc   : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 29 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:40:38 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:40:29 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	100	0.00
34	l2	toxaphene-1		*2000.000	2055.060	-2.8	98	0.00
35	l2	toxaphene-2		*2000.000	1925.611	3.7	92	0.00
36	l2	toxaphene-4		*2000.000	2011.344	-0.6	98	0.00
37	l2	toxaphene-5		*2000.000	1954.332	2.3	93	0.00

Signal #2

33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	96	0.00
34	l2	toxaphene-1		0.021	0.023	-9.5	95	0.00
35	l2	toxaphene-2		0.033	0.035	-6.1	95	0.00
36	l2	toxaphene-4		0.037	0.038	-2.7	89	0.00
37	l2	toxaphene-5		0.036	0.036	0.0	96	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.36#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.344	0.000	100.0#	0#	-1.71#
3	t	Hexachlorobenzene		1.568	0.000	100.0#	0#	-1.93#
4	t	alpha-BHC		1.653	0.000	100.0#	0#	-2.04#
5	t	gamma-BHC (lindane)		1.589	0.000	100.0#	0#	-2.25#
6	t	beta-BHC		0.733	0.000	100.0#	0#	-2.30#
7	t	delta-BHC		1.491	0.000	100.0#	0#	-2.44#
8	t	Heptachlor		1.515	0.000	100.0#	0#	-2.60#
9	t	Aldrin		1.498	0.000	100.0#	0#	-2.85#
10	t	Alachlor		0.250	0.000	100.0#	0#	-2.98#
11	t	Chlorpyrifos		0.703	0.000	100.0#	0#	-3.07#
12	t	Heptachlor Epoxide		1.344	0.000	100.0#	0#	-3.41#
13	t	gamma-Chlordane (trans)		1.491	0.000	100.0#	0#	-3.54#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-29.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 17 Nov 2025 15:25
Operator : PEST10:akm
Sample   : cicvtox,42e,,pp 12296 L2.0ICV
Misc   : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 29 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:40:38 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:40:29 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)		1.488	0.000	100.0#	0#	-3.67#
15	t	4,4'-DDE		1.465	0.000	100.0#	0#	-3.77#
16	t	Endosulfan I		1.361	0.000	100.0#	0#	-3.81#
17	t	Dieldrin	*	50.000	0.000	100.0#	0	-4.08#
18	t	Endrin		1.387	0.000	100.0#	0#	-4.33#
19	t	4,4'-DDD		1.144	0.000	100.0#	0#	-4.44#
20	t	Endosulfan II		1.271	0.000	100.0#	0#	-4.57#
21	t	4,4'-DDT		1.171	0.000	100.0#	0#	-4.72#
22	t	Endrin Aldehyde		0.985	0.000	100.0#	0#	-4.98#
23	t	Methoxychlor		0.657	0.000	100.0#	0#	-5.20#
24	t	Mirex		1.114	0.000	100.0#	0#	-5.26#
25	t	Endosulfan Sulfate		1.169	0.000	100.0#	0#	-5.36#
26	t	Endrin Ketone		1.348	0.000	100.0#	0#	-5.59#
27	s	Decachlorobiphenyl		1.202	0.000	100.0#	0#	-6.38#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.36#
29	l1	chlordane-1		0.050	0.000	100.0#	0#	-2.54#
30	l1	chlordane-3		0.063	0.000	100.0#	0#	-2.97#
31	l1	chlordane-4		0.205	0.000	100.0#	0#	-3.54#
32	l1	chlordane-5		0.317	0.000	100.0#	0#	-3.67#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.42#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.256	0.000	100.0#	0#	-1.91#
3	t	Hexachlorobenzene		1.384	0.000	100.0#	0#	-2.24#
4	t	alpha-BHC		1.661	0.000	100.0#	0#	-2.33#
5	t	gamma-BHC (lindane)		1.579	0.000	100.0#	0#	-2.63#
6	t	beta-BHC		0.740	0.000	100.0#	0#	-2.69#
7	t	delta-BHC		1.496	0.000	100.0#	0#	-2.96#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-29.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 17 Nov 2025 15:25
Operator : PEST10:akm
Sample   : cicvtox,42e,,pp 12296 L2.0ICV
Misc   : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 29 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:40:38 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:40:29 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8	t	Heptachlor		1.444	0.000	100.0#	0#	-3.03#
9	t	Aldrin		1.471	0.000	100.0#	0#	-3.36#
10	t	Alachlor		0.227	0.000	100.0#	0#	-3.23#
11	t	Chlorpyrifos		0.706	0.000	100.0#	0#	-3.60#
12	t	Heptachlor Epoxide		1.320	0.000	100.0#	0#	-3.98#
13	t	gamma-Chlordane (trans)		1.434	0.000	100.0#	0#	-4.21#
14	t	alpha-Chlordane (cis)		1.424	0.000	100.0#	0#	-4.37#
15	t	4,4'-DDE		1.383	0.000	100.0#	0#	-4.56#
16	t	Endosulfan I		1.298	0.000	100.0#	0#	-4.43#
17	t	Dieldrin		1.472	0.000	100.0#	0#	-4.72#
18	t	Endrin		1.295	0.000	100.0#	0#	-5.01#
19	t	4,4'-DDD		1.035	0.000	100.0#	0#	-5.13#
20	t	Endosulfan II		1.165	0.000	100.0#	0#	-5.21#
21	t	4,4'-DDT		1.048	0.000	100.0#	0#	-5.40#
22	t	Endrin Aldehyde		0.905	0.000	100.0#	0#	-5.50#
23	t	Methoxychlor		0.580	0.000	100.0#	0#	-5.96#
24	t	Mirex		0.994	0.000	100.0#	0#	-6.10#
25	t	Endosulfan Sulfate		1.085	0.000	100.0#	0#	-5.73#
26	t	Endrin Ketone		1.225	0.000	100.0#	0#	-6.14#
27	s	Decachlorobiphenyl		1.086	0.000	100.0#	0#	-6.99#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.42#
29	l1	chlordane-1		0.049	0.000	100.0#	0#	-2.89#
30	l1	chlordane-3		0.058	0.000	100.0#	0#	-3.51#
31	l1	chlordane-4		0.184	0.000	100.0#	0#	-4.20#
32	l1	chlordane-5		0.149	0.000	100.0#	0#	-4.37#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-29.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 15:25
Operator : PEST10:akm
Sample : cicvtox,42e,,pp 12296 L2.0ICV
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:40:38 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:40:29 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.360	1.420	63830606	53755818	25.000M4	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-29.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 15:25
Operator : PEST10:akm
Sample : cicvtox,42e,,pp 12296 L2.0ICV
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:40:38 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:40:29 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	4.559	5.165	326.6E6	100.9E6	2055.060	2271.432
35) l2	toxaphene-2	4.681	5.194	231.7E6	149.5E6	1925.611	2120.135
36) l2	toxaphene-4	5.090	5.508	177.4E6	162.3E6	2011.344	2025.787
37) l2	toxaphene-5	5.272	5.914	203.3E6	155.5E6	1954.332	2011.409
Sum	toxaphene-1			938.9E6	568.2E6	7946.347	8428.763
Average	toxaphene-1					1986.587	2107.191

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			938.9E6	568.2E6	7946.347	8428.763
Average	toxaphene-1					1986.587	2107.191

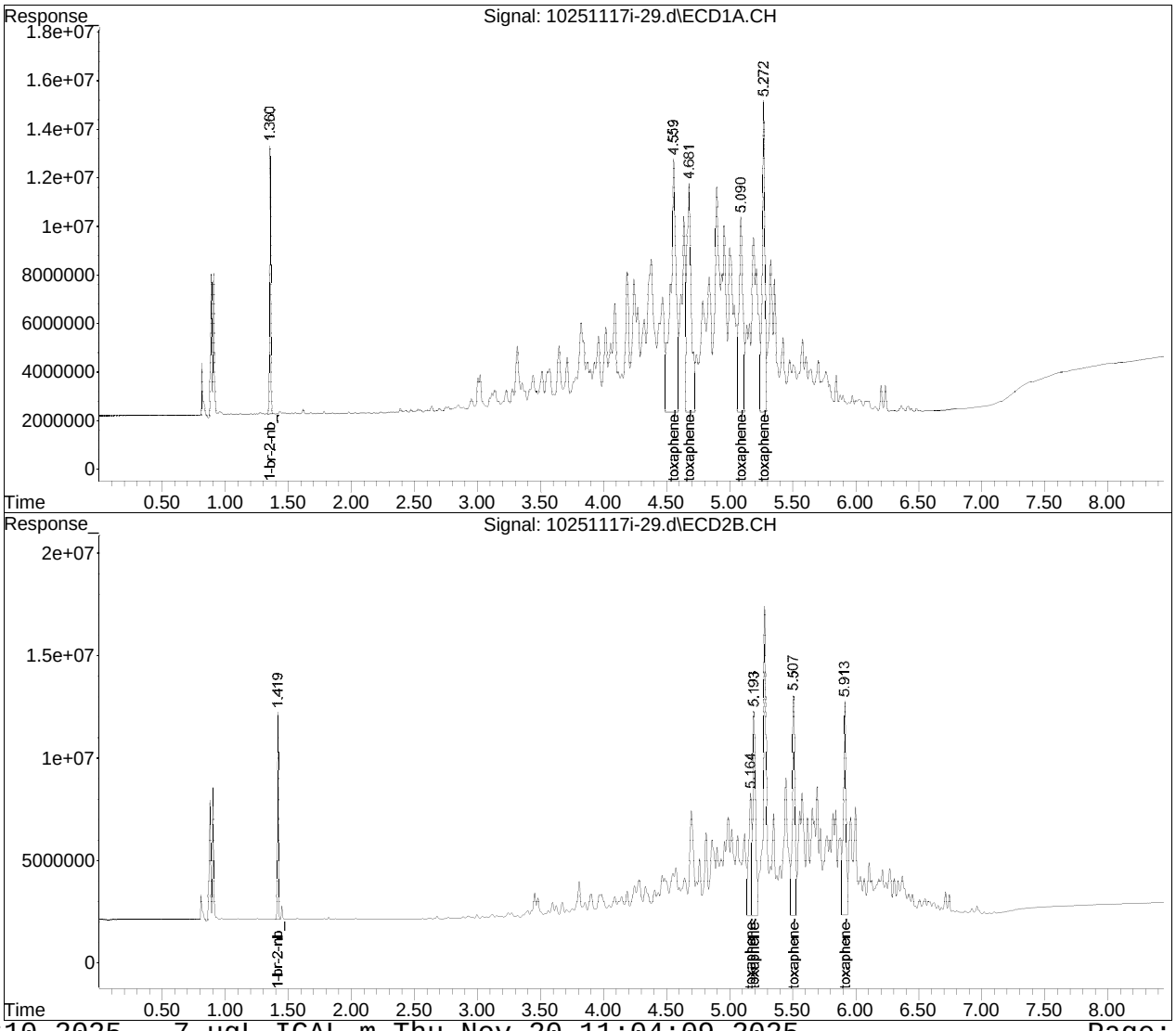
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-29.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Nov 2025 15:25
Operator : PEST10:akm
Sample : cicvtox,42e,,pp 12296 L2.0ICV
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:40:38 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:40:29 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

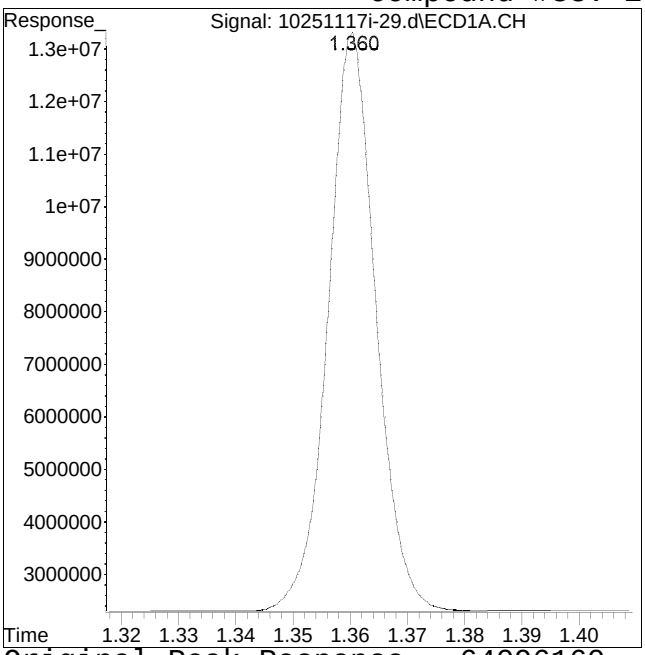
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



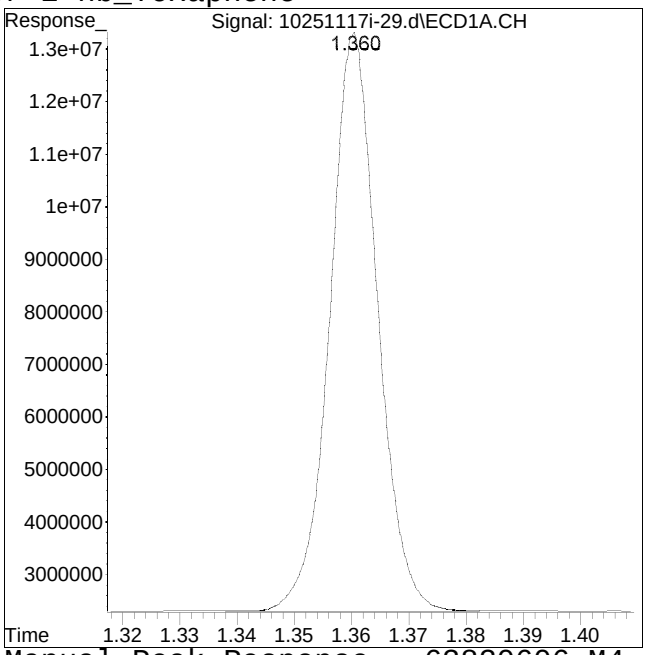
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-29.d Operator : PEST10:akm
Date Inj'd : 11/17/2025 15:25 Instrument : Pest 10
Sample : cicvtox,42e,,pp 12296 L2.0Quant Date : 11/20/2025 10:40 am

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 64096160



Manual Peak Response = 63830606 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-31.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 13:13
Operator : PEST10:akm
Sample : pem10251117i-02,42e,,pp 12284 - (Sig #1); pem-01,42e,,pp 12284 - (Sig #2)
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:26:45 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:24:10 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.362	1.419	59746043	57654012	25.000M4	25.000M4
	System Monitoring Compounds						
	Target Compounds						
15) t	4,4'-DDE	3.776	4.561	749376	964920	0.214M2	0.303M4
18) t	Endrin	4.339	5.010	150.2E6	137.8E6	45.307	46.149
19) t	4,4'-DDD	4.442	5.129	968198	1158559	0.354M2	0.485M4
21) t	4,4'-DDT	4.728	5.402	262.0E6	230.5E6	93.587	95.332
22) t	Endrin Aldeh	4.981	5.499	372443	376090	0.158M2	0.180M2
26) t	Endrin Keton	5.592	6.137	3551870	3319379	1.102M4	1.175M4
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-31.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 13:13
Operator : PEST10:akm
Sample : pem10251117i-02,42e,,pp 12284 - (Sig #1); pem-01,42e,,pp 12284 - (Sig #2)
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:26:45 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:24:10 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

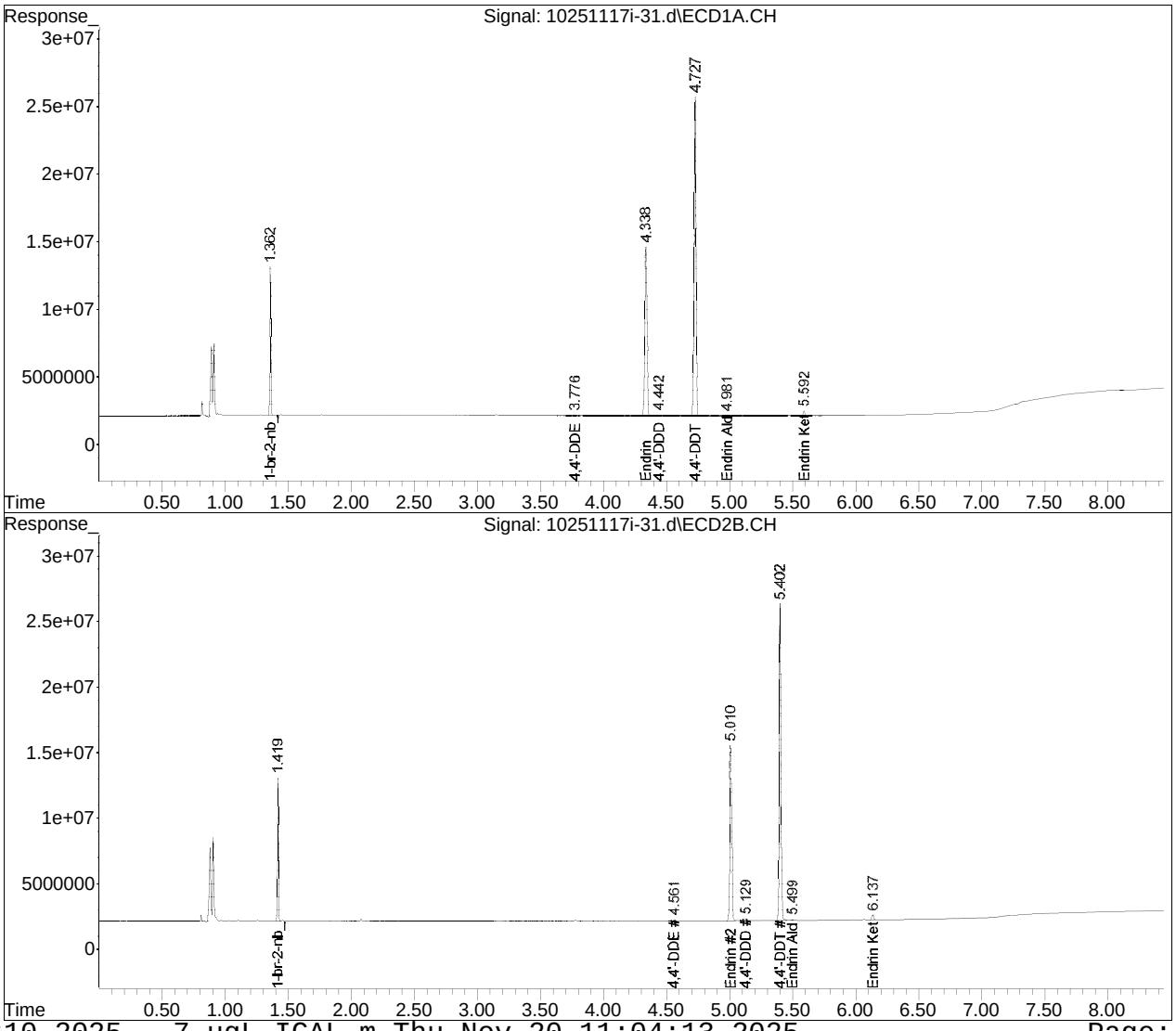
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-31.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 13:13
Operator : PEST10:akm
Sample : pem10251117i-02,42e,,pp 12284 - (Sig #1); pem-01,42e,,pp 12284 - (
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:26:45 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:24:10 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

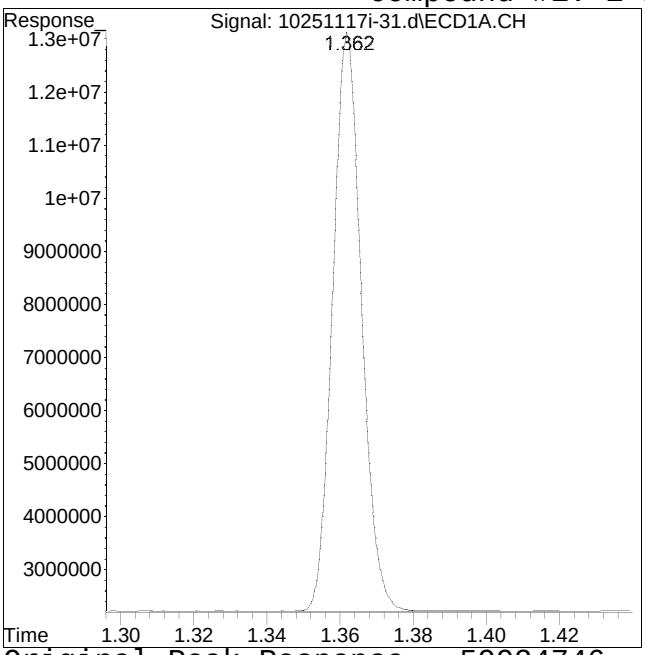
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



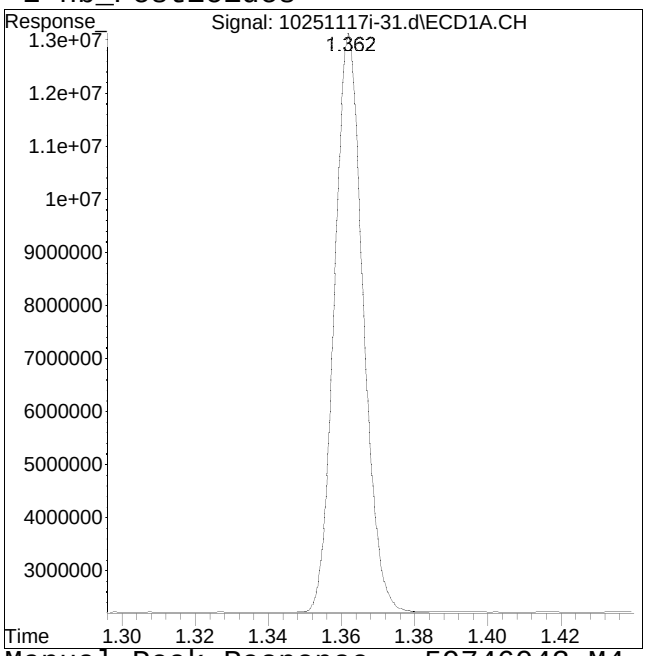
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-31.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:13 Instrument : Pest 10
Sample : pem10251117i-02,42e,,pp 12Quant Date : 11/20/2025 10:26 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 59924746



Manual Peak Response = 59746043 M4

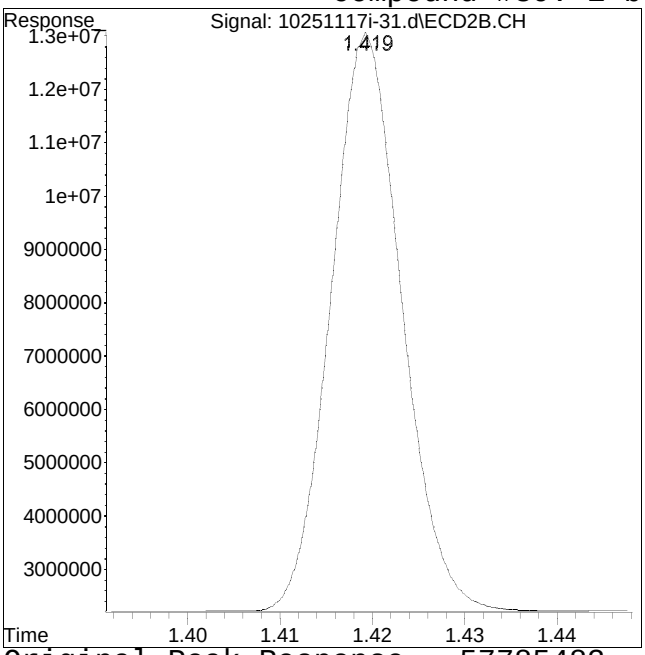
M4 = Poor automated baseline construction.

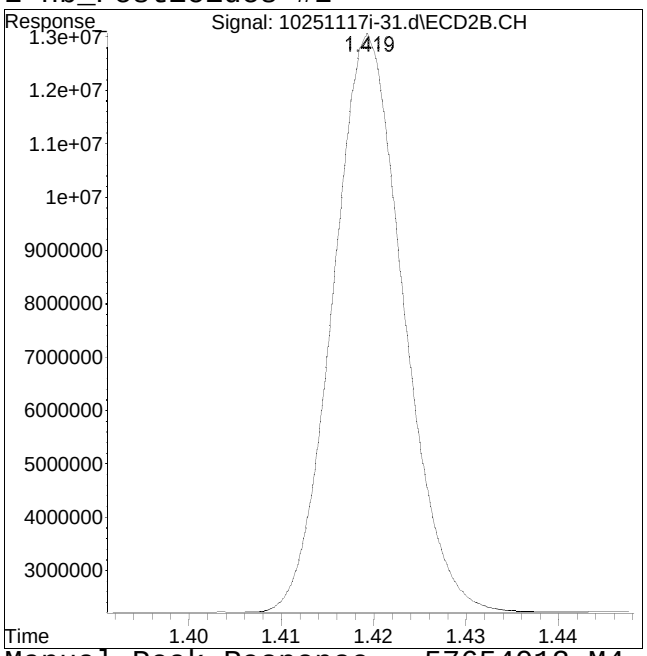
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-31.d
Date Inj'd : 11/19/2025 13:13
Sample : pem10251117i-02,42e,,pp 12

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 10:26 am

Compound #39: 1-br-2-nb_Pesticides #2





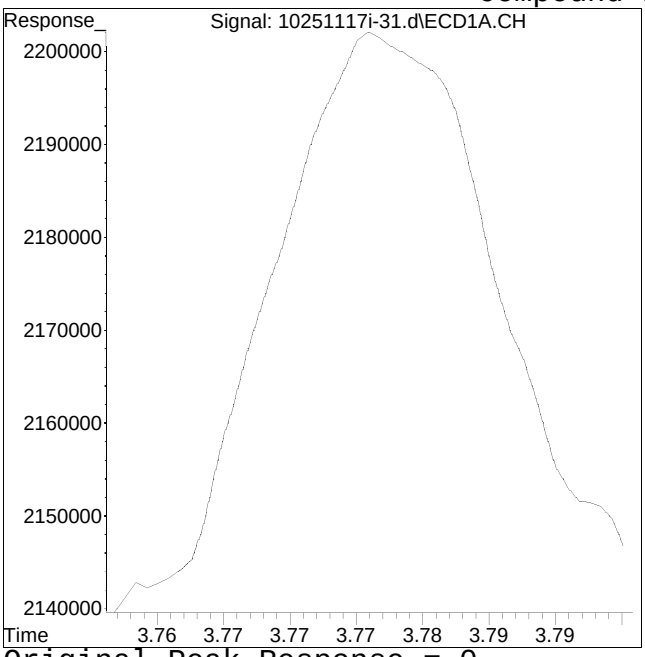
Original Peak Response = 57785483 Manual Peak Response = 57654012 M4
M4 = Poor automated baseline construction.

Manual Integration Report

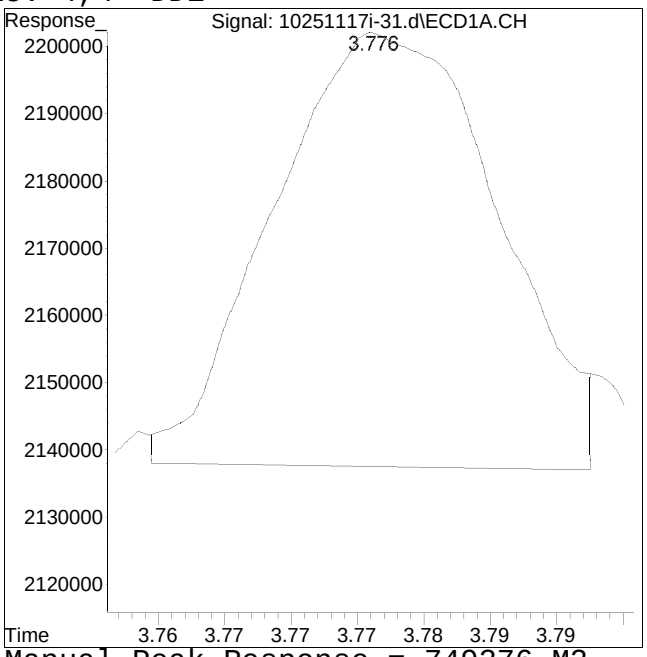
Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-31.d
Date Inj'd : 11/19/2025 13:13
Sample : pem10251117i-02,42e,,pp 12

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 10:26 am

Compound #15: 4,4'-DDE



Original Peak Response = 0



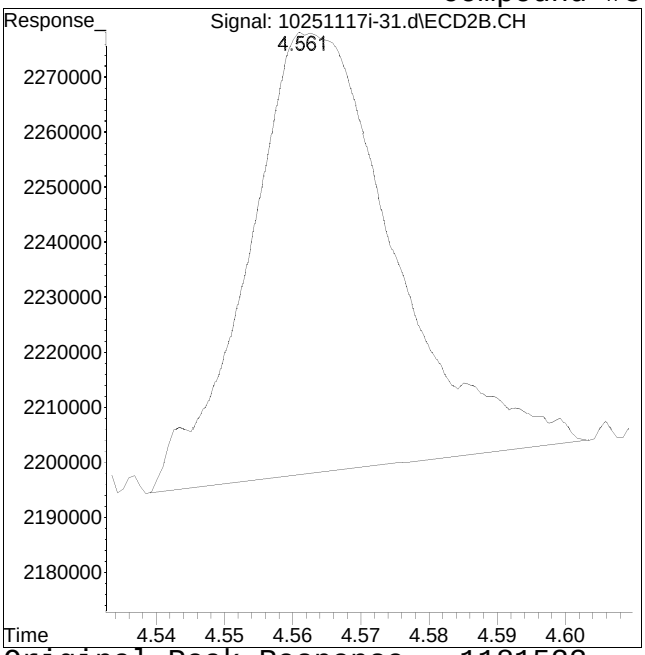
Manual Peak Response = 749376 M2

M2 = Peak not found by automatic integration algorithm.

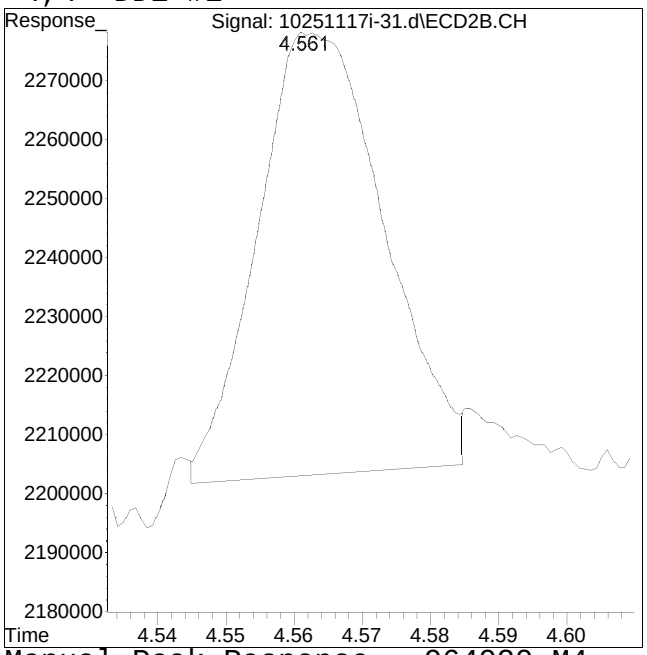
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-31.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:13 Instrument : Pest 10
Sample : pem10251117i-02,42e,,pp 12Quant Date : 11/20/2025 10:26 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 1181523



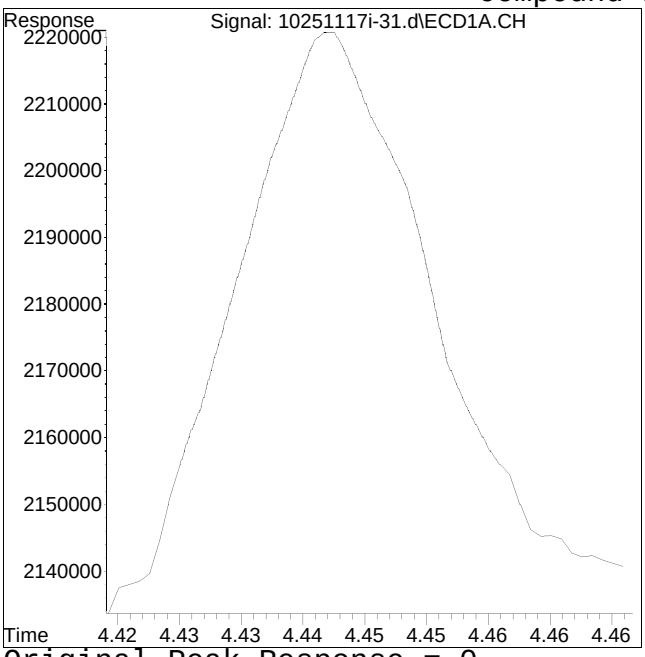
Manual Peak Response = 964920 M4

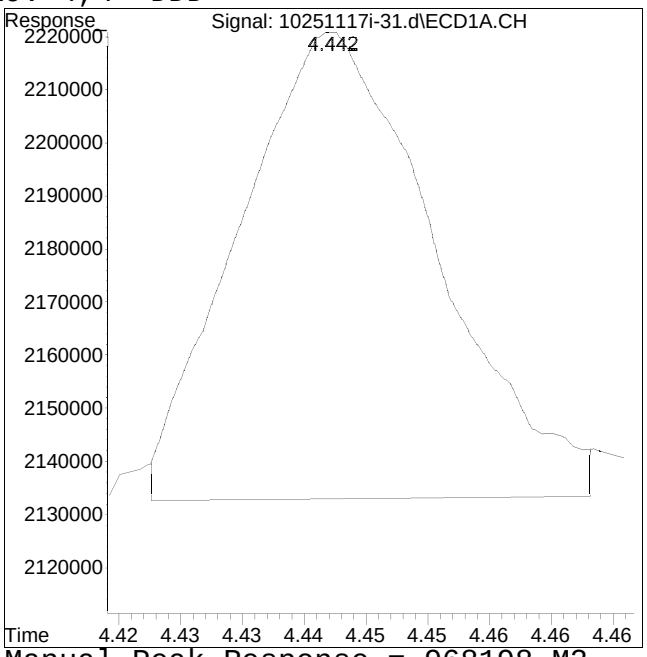
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-31.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:13 Instrument : Pest 10
Sample : pem10251117i-02,42e,,pp 12Quant Date : 11/20/2025 10:26 am

Compound #19: 4,4'-DDD



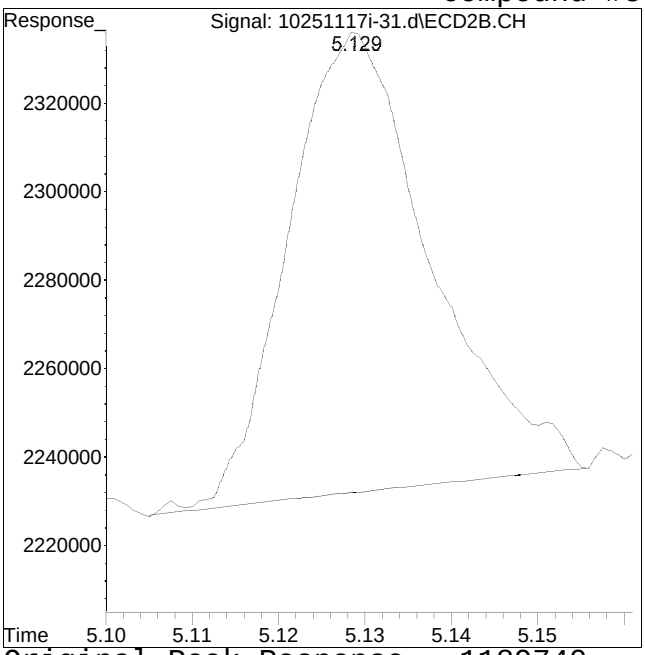


Original Peak Response = 0 Manual Peak Response = 968198 M2
M2 = Peak not found by automatic integration algorithm.

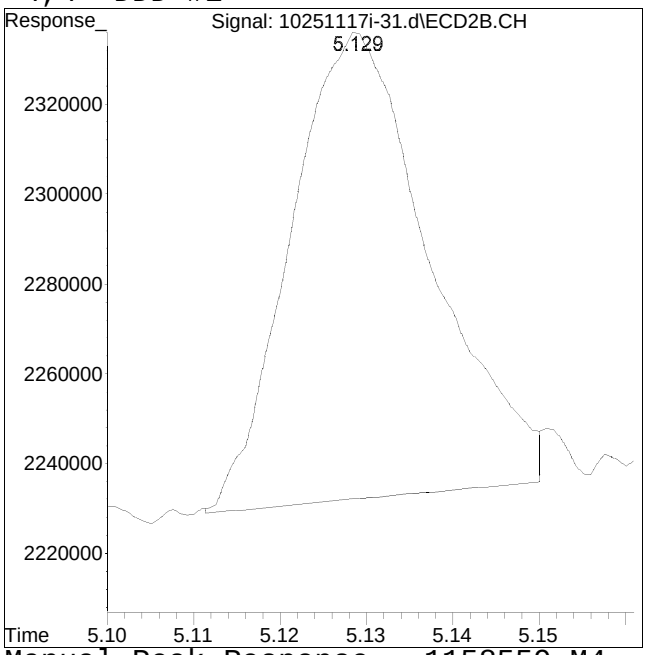
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-31.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:13 Instrument : Pest 10
Sample : pem10251117i-02,42e,,pp 12Quant Date : 11/20/2025 10:26 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 1189740



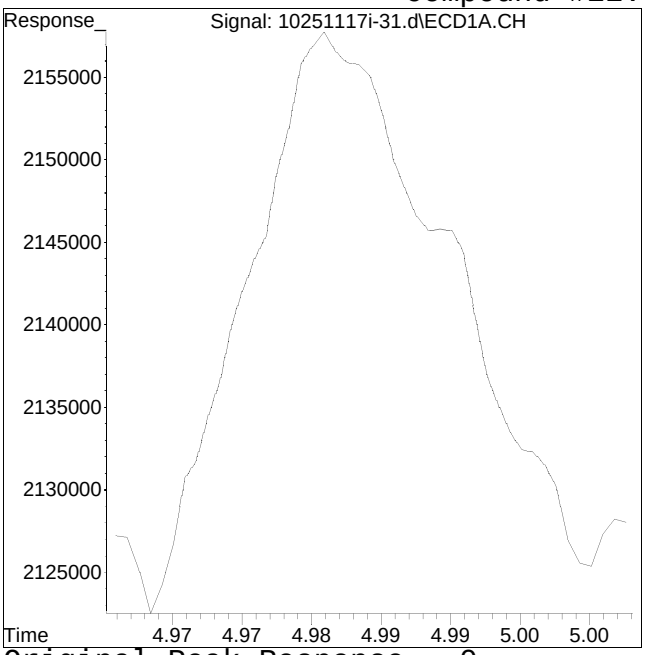
Manual Peak Response = 1158559 M4

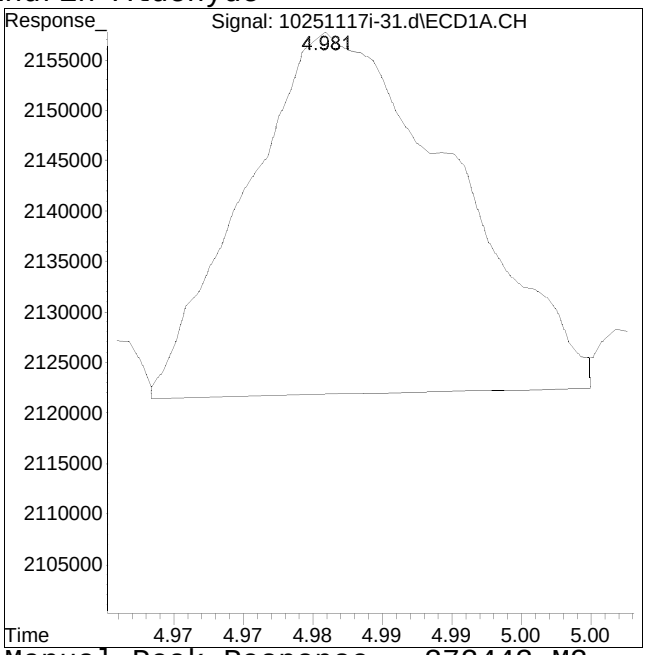
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-31.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:13 Instrument : Pest 10
Sample : pem10251117i-02,42e,,pp 12Quant Date : 11/20/2025 10:26 am

Compound #22: Endrin Aldehyde





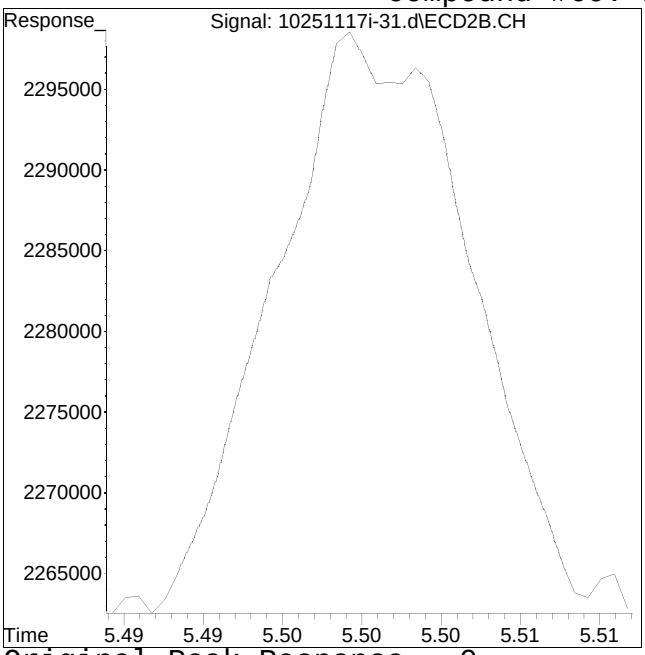
Original Peak Response = 0 Manual Peak Response = 372443 M2
M2 = Peak not found by automatic integration algorithm.

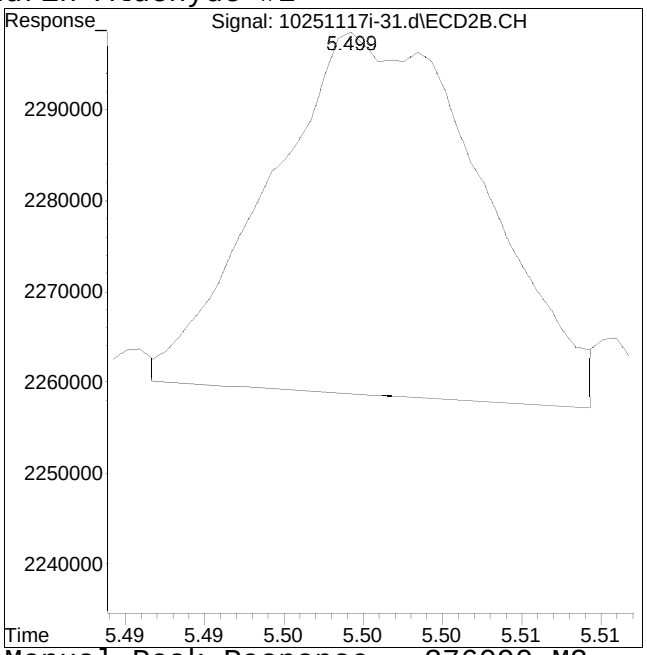
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-31.d
Date Inj'd : 11/19/2025 13:13
Sample : pem10251117i-02,42e,,pp 12

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 10:26 am

Compound #60: Endrin Aldehyde #2



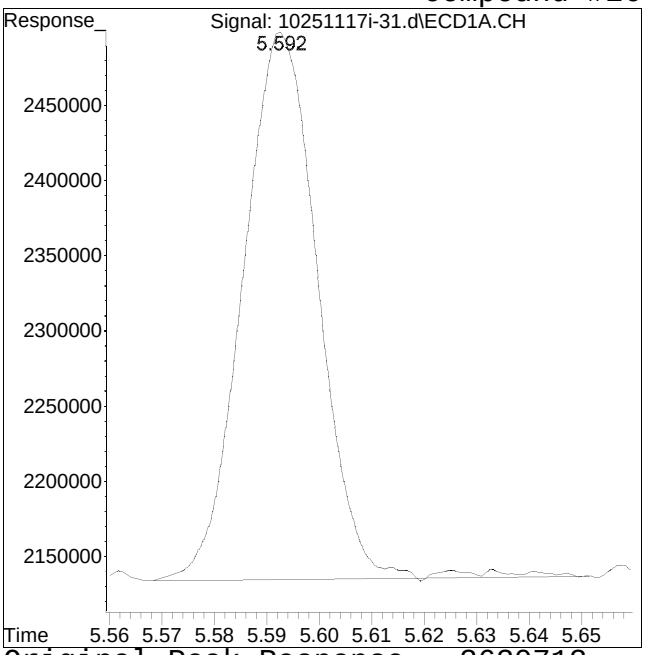


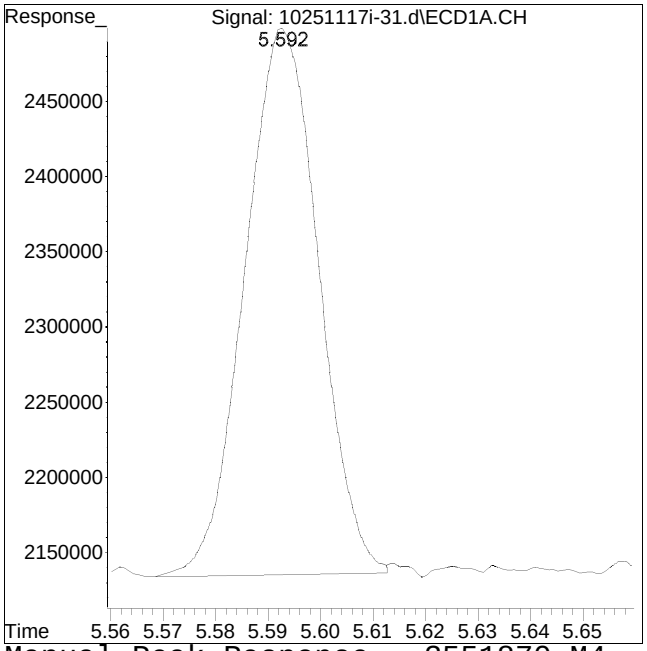
Original Peak Response = 0
Manual Peak Response = 376090 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-31.d
Date Inj'd : 11/19/2025 13:13
Sample : pem10251117i-02,42e,,pp 12
Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 10:26 am

Compound #26: Endrin Ketone





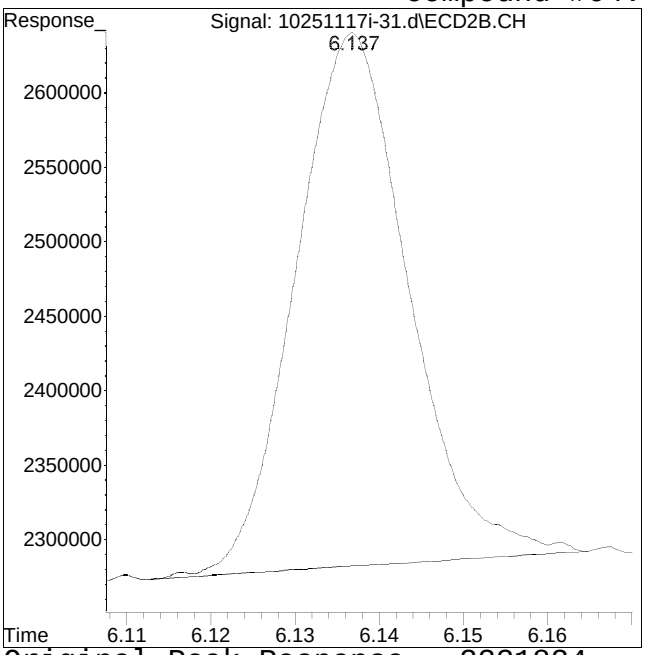
Original Peak Response = 3630713 Manual Peak Response = 3551870 M4
M4 = Poor automated baseline construction.

Manual Integration Report

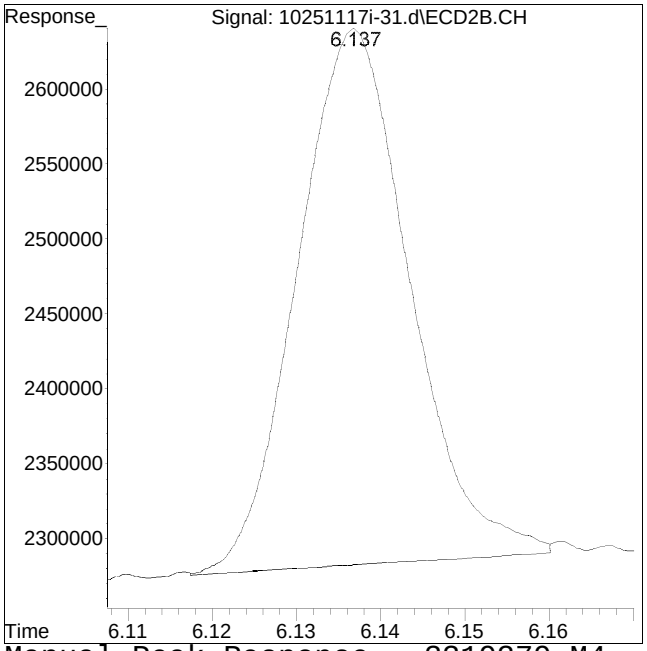
Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-31.d
Date Inj'd : 11/19/2025 13:13
Sample : pem10251117i-02,42e,,pp 12

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 10:26 am

Compound #64: Endrin Ketone #2



Original Peak Response = 3331824



Manual Peak Response = 3319379 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-32.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 13:25
Operator : PEST10:akm
Sample : il1pest,42e,,pp 12310 L0.0002
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:40:45 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:40:36 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.361	1.420	63342785	61197557	25.000M4	25.000M4
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
		Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27)	s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
		Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
		Target Compounds						
3)	t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	t	Dieldrin	4.081	4.716	1141984	992660	0.299M2	0.286M4
18)	t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-32.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 13:25
Operator : PEST10:akm
Sample : il1pest,42e,,pp 12310 L0.0002
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:40:45 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:40:36 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

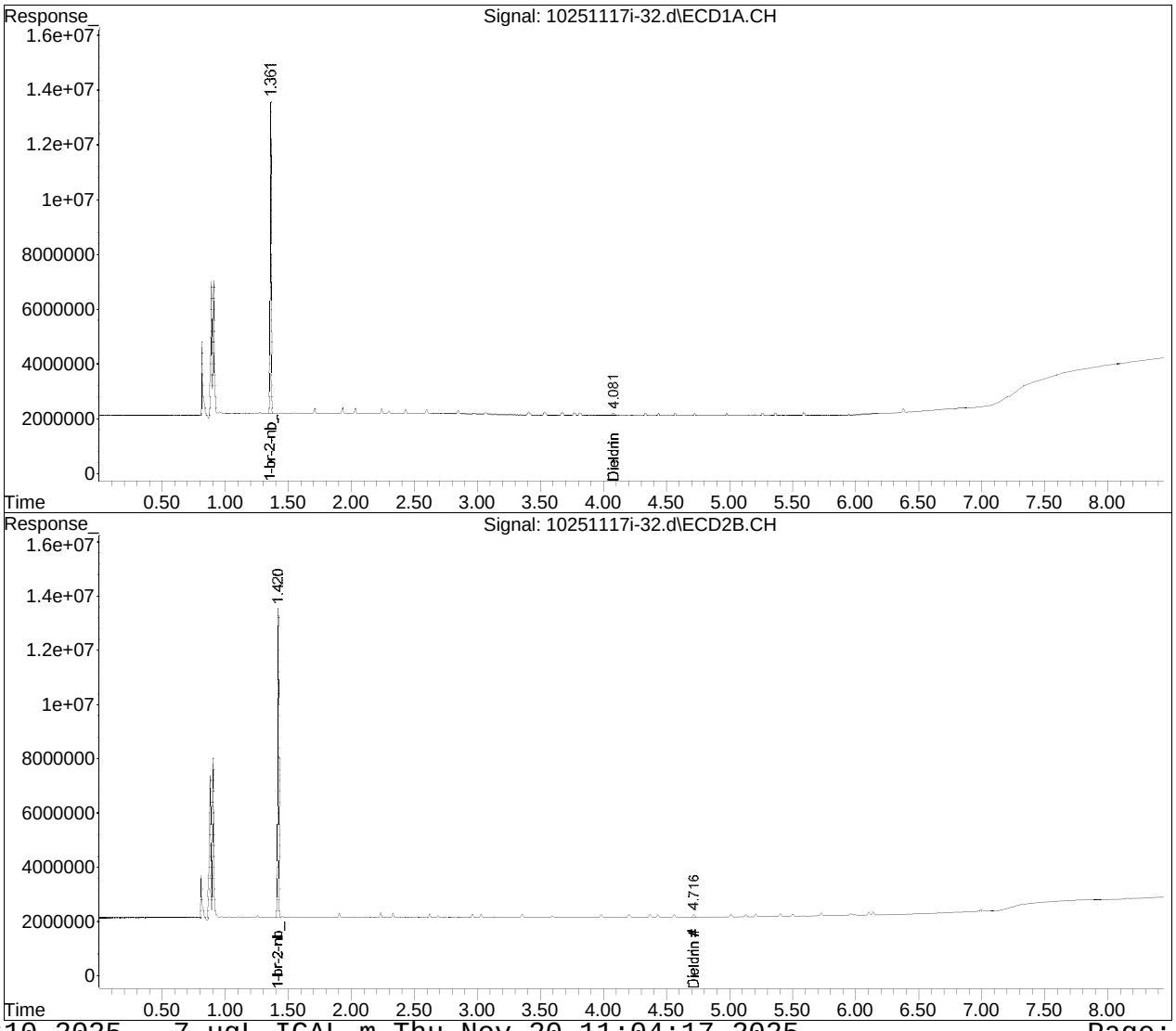
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-32.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 13:25
Operator : PEST10:akm
Sample : il1pest,42e,,pp 12310 L0.0002
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:40:45 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:40:36 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

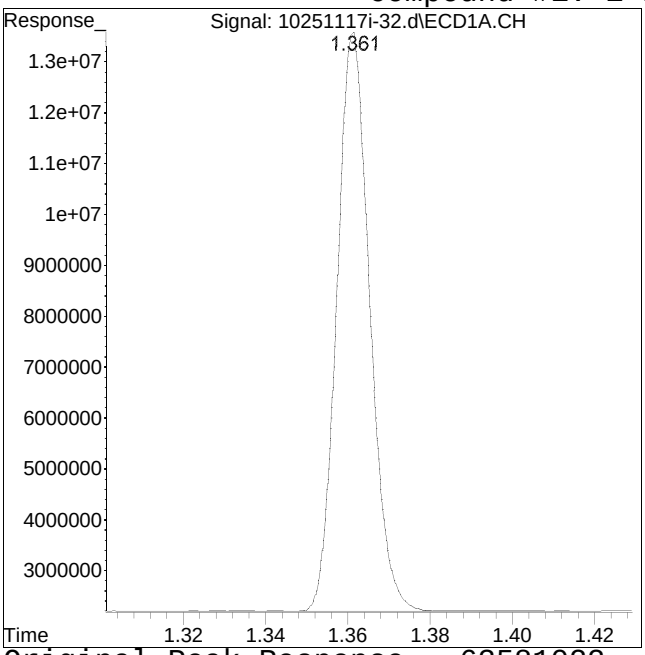
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



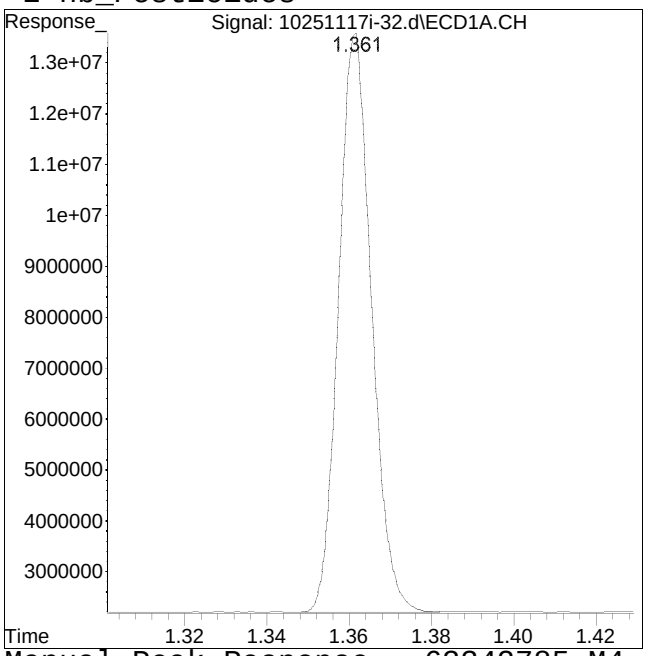
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-32.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:25 Instrument : Pest 10
Sample : il1pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:40 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 63581022



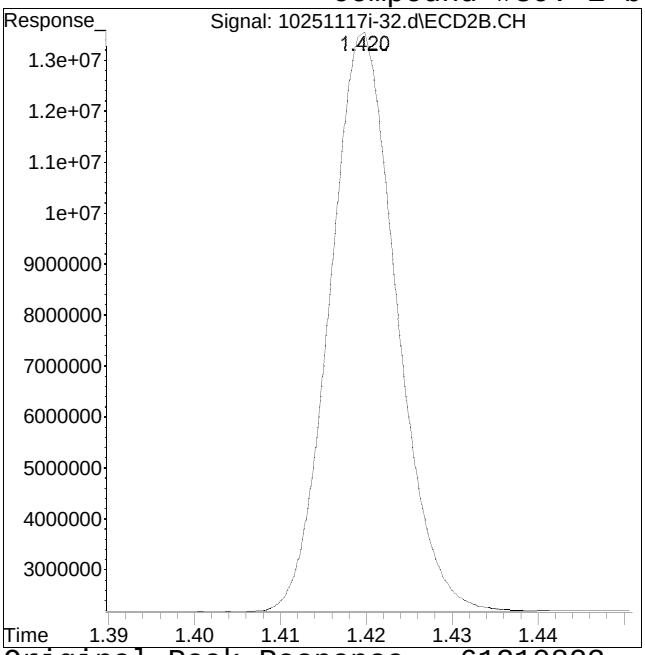
Manual Peak Response = 63342785 M4

M4 = Poor automated baseline construction.

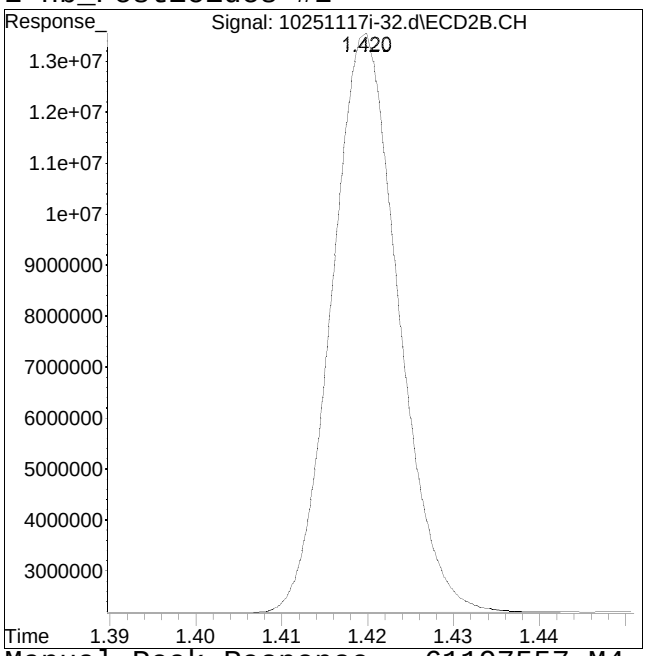
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-32.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:25 Instrument : Pest 10
Sample : il1pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:40 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 61210823



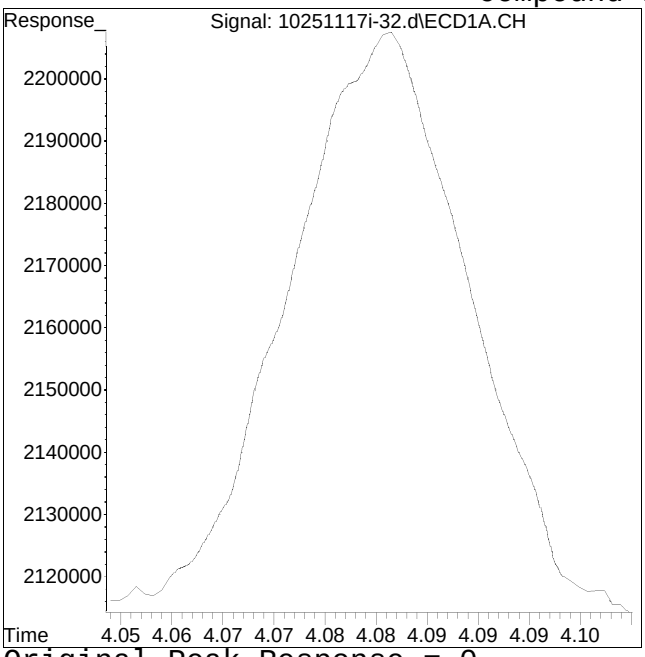
Manual Peak Response = 61197557 M4

M4 = Poor automated baseline construction.

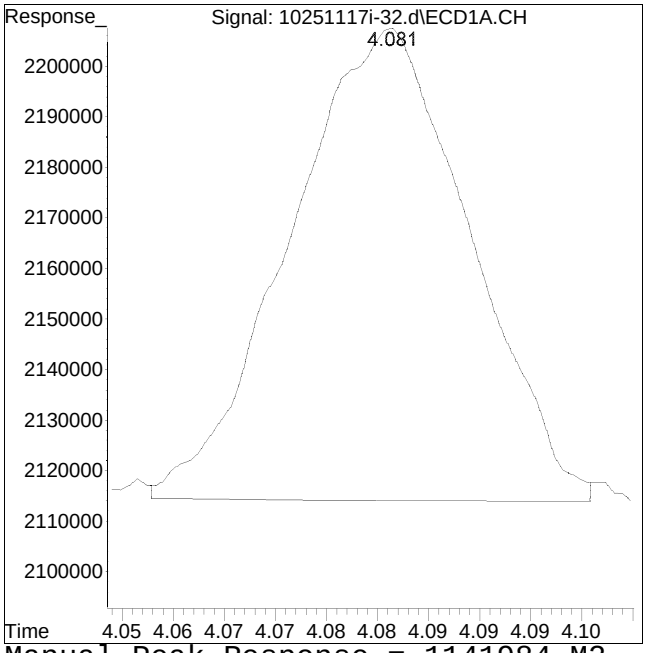
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-32.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:25 Instrument : Pest 10
Sample : il1pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:40 am

Compound #17: Dieldrin



Original Peak Response = 0



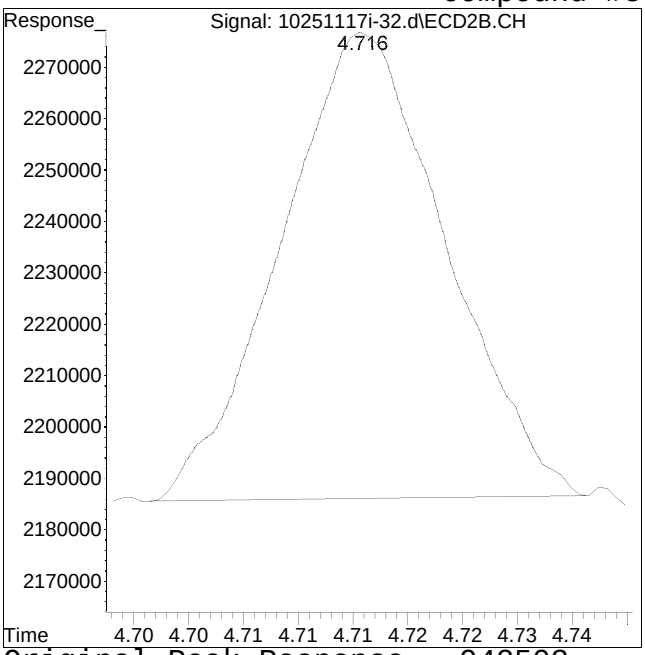
Manual Peak Response = 1141984 M2

M2 = Peak not found by automatic integration algorithm.

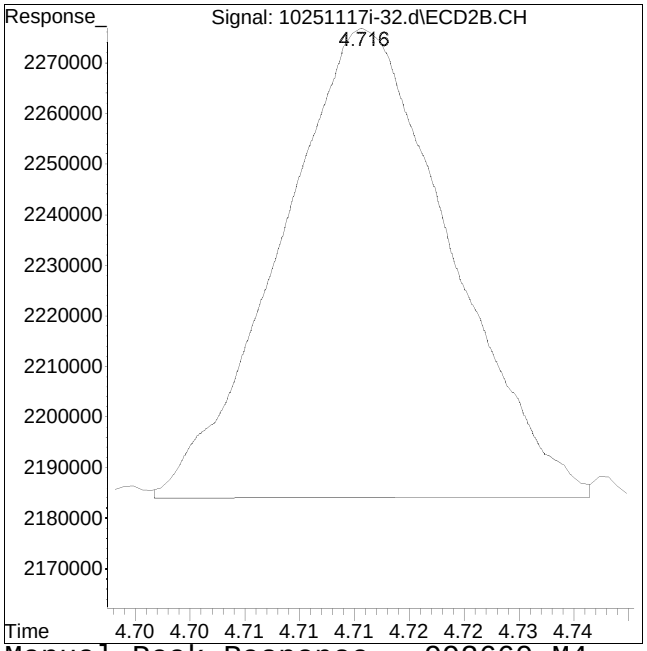
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-32.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:25 Instrument : Pest 10
Sample : il1pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:40 am

Compound #55: Dieldrin #2



Original Peak Response = 942503



Manual Peak Response = 992660 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-33.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 13:37
Operator : PEST10:akm
Sample : il2pest,42e,,pp 12310 L0.0005
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:39:40 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:39:33 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.361	1.420	61721437	59467908	25.000M4	25.000
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
		Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27)	s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
		Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
		Target Compounds						
3)	t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	t	gamma-BHC (l	2.245	2.624	2773050	2551236	0.741M4	0.707M4
6)	t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	t	Dieldrin	4.080	4.717	2687039	2333900	0.759M4	0.724M4
18)	t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-33.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 13:37
Operator : PEST10:akm
Sample : il2pest,42e,,pp 12310 L0.0005
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:39:40 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:39:33 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

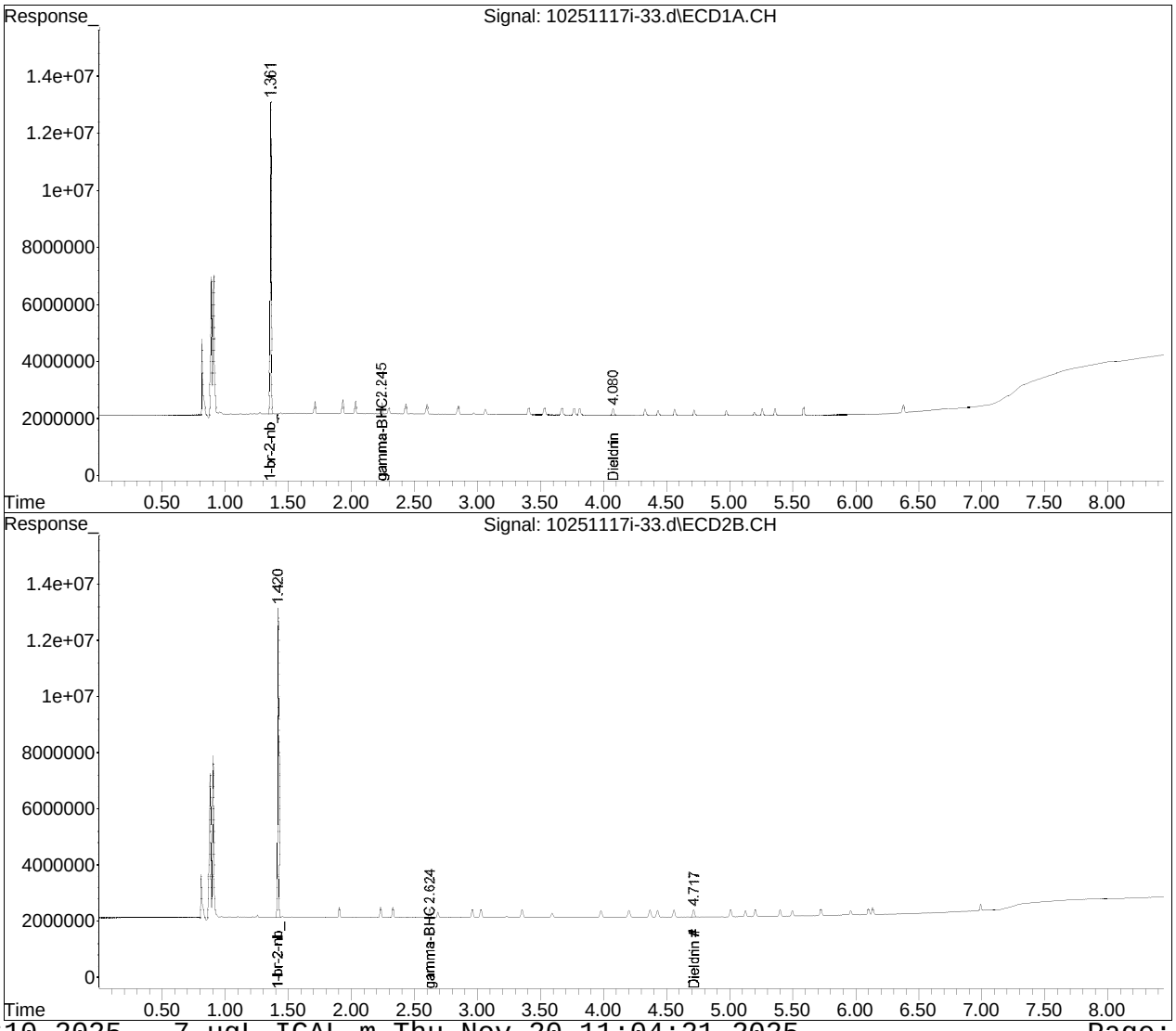
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-33.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 13:37
Operator : PEST10:akm
Sample : il2pest,42e,,pp 12310 L0.0005
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:39:40 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:39:33 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

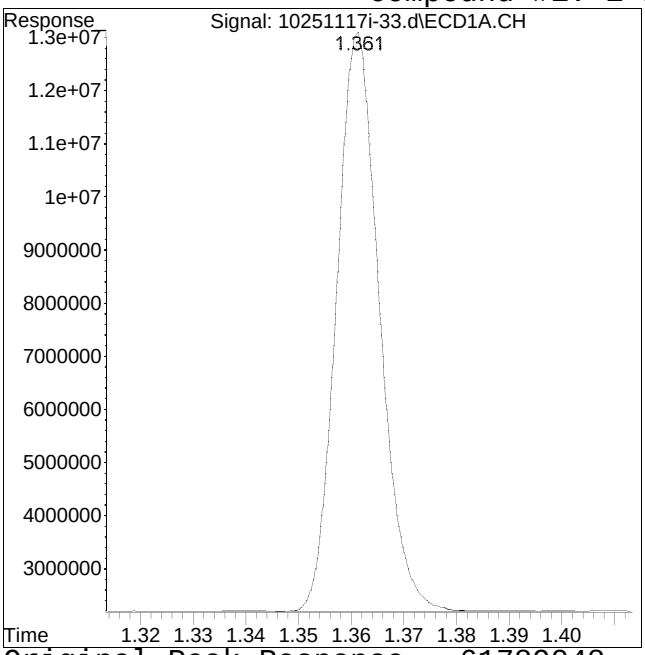
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



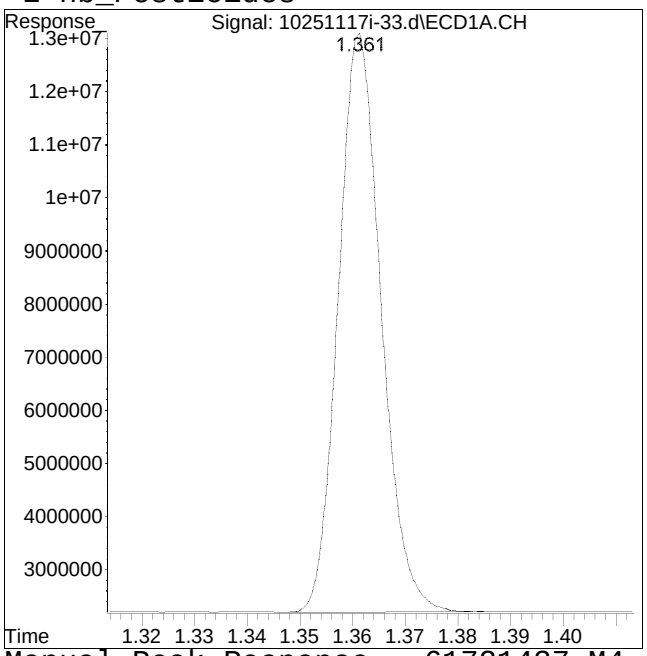
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-33.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:37 Instrument : Pest 10
Sample : il2pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:39 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 61789048



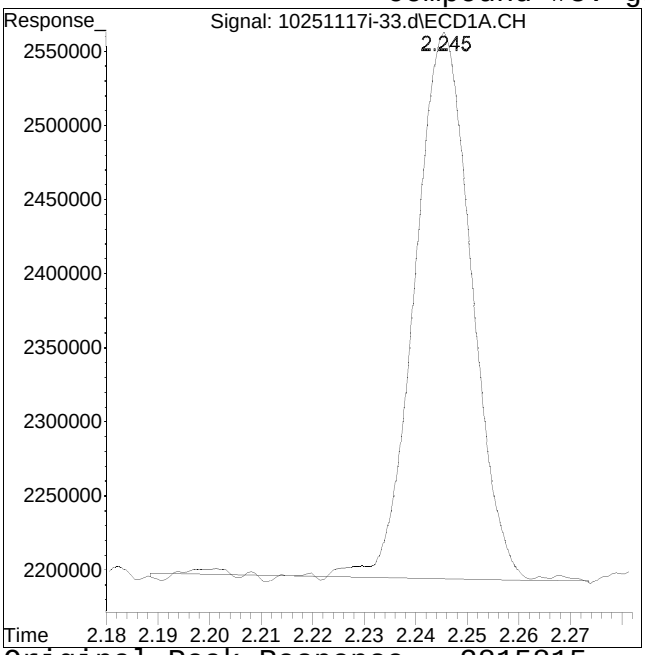
Manual Peak Response = 61721437 M4

M4 = Poor automated baseline construction.

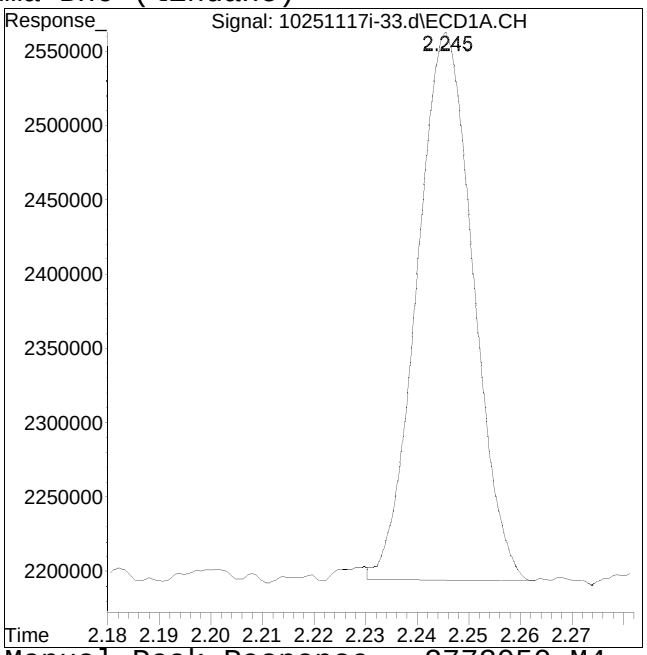
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-33.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:37 Instrument : Pest 10
Sample : il2pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:39 am

Compound #5: gamma-BHC (lindane)



Original Peak Response = 2815815



Manual Peak Response = 2773050 M4

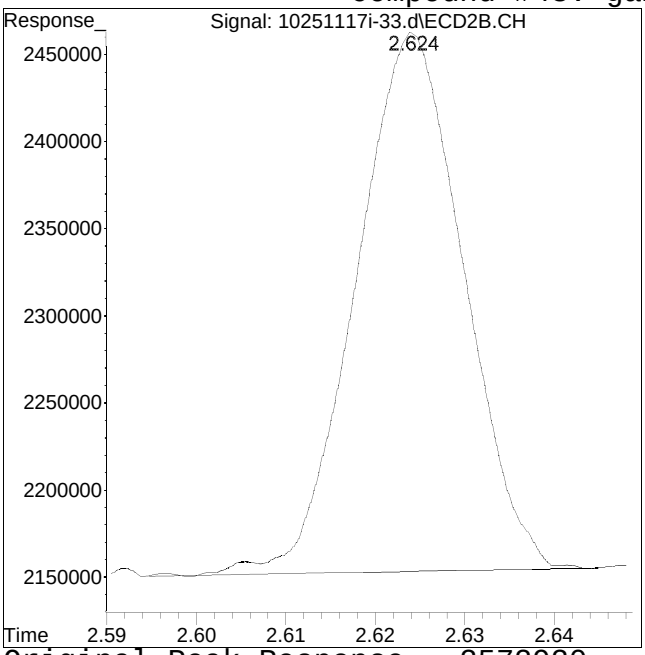
M4 = Poor automated baseline construction.

Manual Integration Report

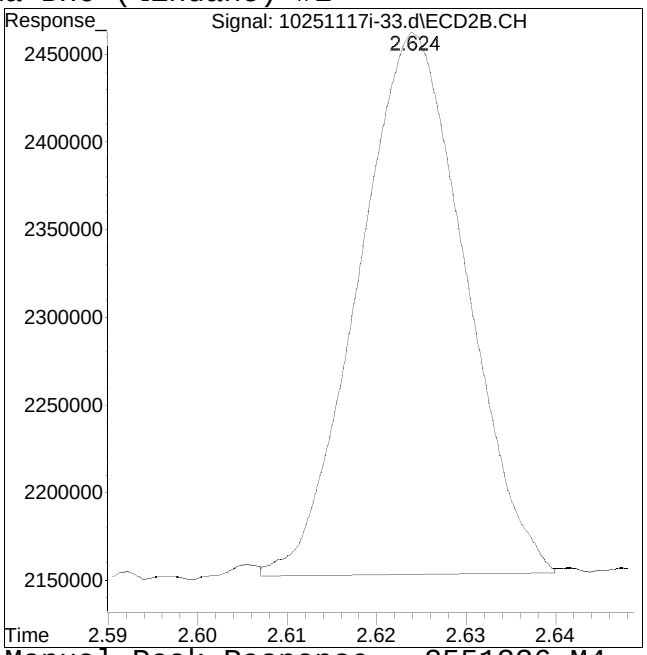
Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-33.d
Date Inj'd : 11/19/2025 13:37
Sample : il2pest,42e,,pp 12310 L0.0

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 9:39 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 2572920



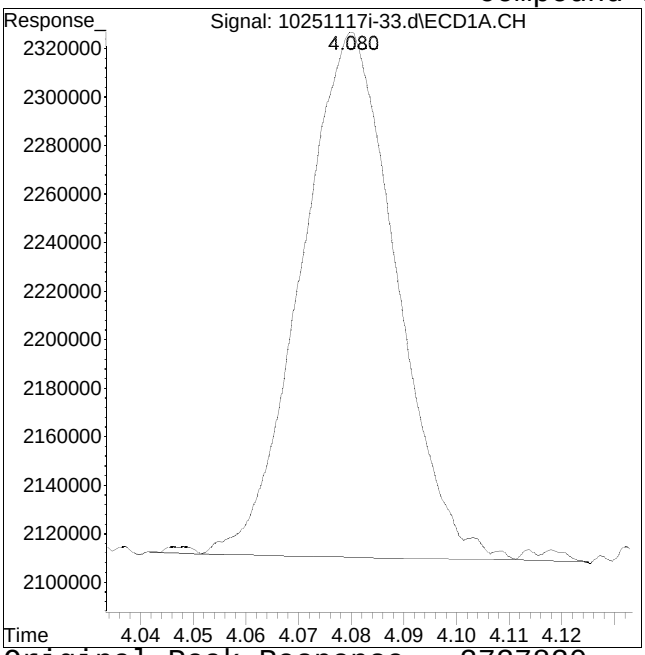
Manual Peak Response = 2551236 M4

M4 = Poor automated baseline construction.

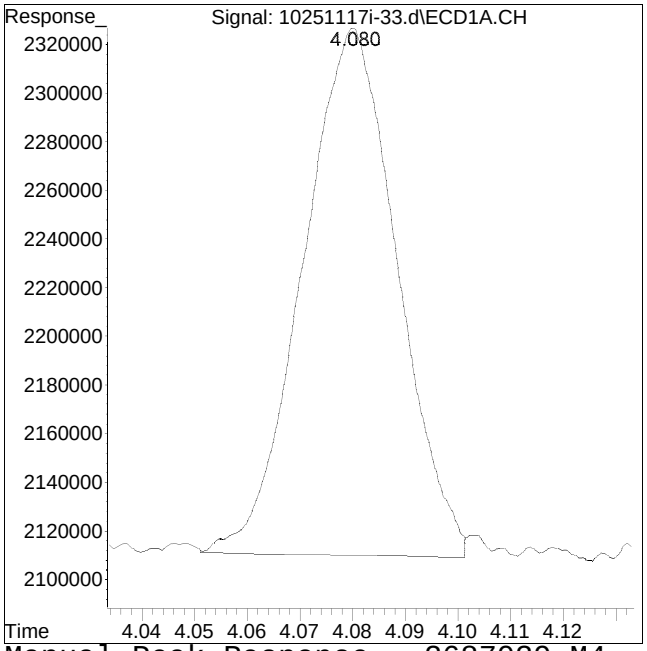
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-33.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:37 Instrument : Pest 10
Sample : il2pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:39 am

Compound #17: Dieldrin



Original Peak Response = 2737820



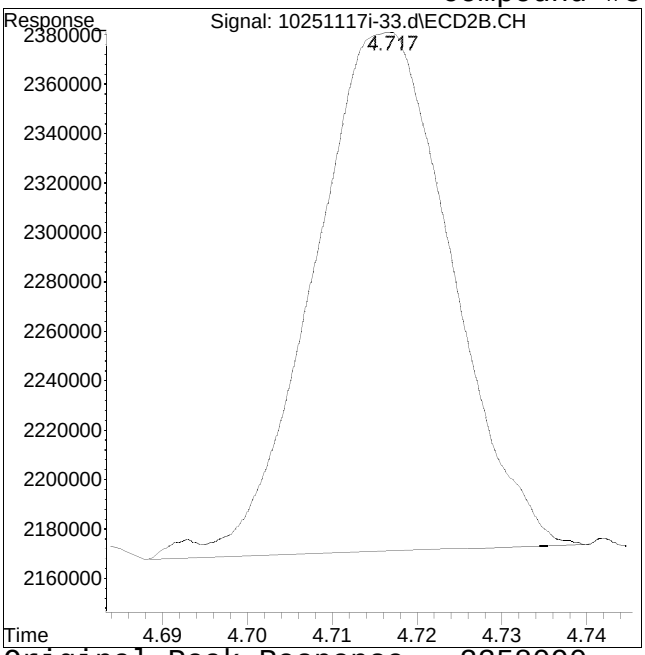
Manual Peak Response = 2687039 M4

M4 = Poor automated baseline construction.

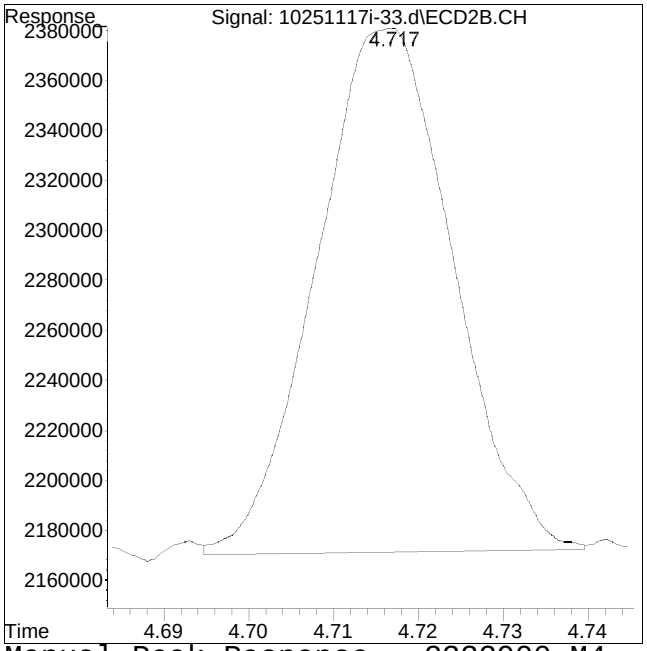
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-33.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:37 Instrument : Pest 10
Sample : il2pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:39 am

Compound #55: Dieldrin #2



Original Peak Response = 2358090



Manual Peak Response = 2333900 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-34.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 13:48
Operator : PEST10:akm
Sample : il3pest,42e,,pp 12310 L0.001
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:32:29 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:32:22 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.361	1.420	63775217	61127281	25.000M4	25.000
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	1.714	1.907	3588912	3328561	1.053M3	1.096
		Spiked Amount 50.000	Range 30 - 150		Recovery =		2.11%#	2.19%#
27)	s	Decachlorobi	6.379	6.992	3558314	2925628	1.184M2	1.116M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		2.37%#	2.23%#
		Target Compounds						
3)	t	Hexachlorobe	1.935	2.235	4481227	3732355	1.137M4	1.118M4
4)	t	alpha-BHC	2.036	2.333	4051519	3697760	0.956M4	0.901M4
5)	t	gamma-BHC (l	2.245	2.624	3788389	3556106	0.977M4	0.954
6)	t	beta-BHC	2.303	2.689	2075169	1967944	1.124M4	1.100M4
7)	t	delta-BHC	2.435	2.962	3620462	3381305	0.946M4	0.916M4
8)	t	Heptachlor	2.602	3.031	4031638	3517629	1.048M4	0.996M4
9)	t	Aldrin	2.852	3.356	3814223	3433109	0.998M4	0.949M4
10)	t	Alachlor	2.976	3.235	666710	571618	1.051M2	1.035M4
11)	t	Chlorpyrifos	3.068	3.596	2157717	1892371	1.235M4	1.109M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-34.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 13:48
Operator : PEST10:akm
Sample : il3pest,42e,,pp 12310 L0.001
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:32:29 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:32:22 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.411	3.982	3591428	3254749	1.054M4	1.010M4
13)	t	gamma-Chlord	3.537	4.205	3973484	3445274	1.050M4	0.980M4
14)	t	alpha-Chlord	3.674	4.370	4001510	3475711	1.061M4	0.998M4
15)	t	4,4'-DDE	3.771	4.562	3687679	3113518	0.985	0.912
16)	t	Endosulfan I	3.815	4.430	3619755	3163570	1.048M4	0.997M4
17)	t	Dieldrin	4.079	4.717	3749607	3183547	1.028M4	0.956M4
18)	t	Endrin	4.333	5.010	3642281	3087485	1.033M4	0.972M4
19)	t	4,4'-DDD	4.436	5.127	2970548	2395480	1.021M4	0.940M4
20)	t	Endosulfan I	4.567	5.205	3442993	2896729	1.070M4	1.019
21)	t	4,4'-DDT	4.722	5.402	3011655	2571308	1.009M4	1.004
22)	t	Endrin Aldeh	4.977	5.499	2679298	2149222	1.075M4	0.968M4
23)	t	Methoxychlor	5.199	5.961	1828219	1511213	1.103M4	1.075M4
24)	t	Mirex	5.261	6.103	3336136	2838873	1.200M4	1.194M4
25)	t	Endosulfan S	5.363	5.725	3264579	2742391	1.108M4	1.038M4
26)	t	Endrin Keton	5.589	6.137	3709005	3104934	1.089M4	1.041
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-34.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 13:48
Operator : PEST10:akm
Sample : il3pest,42e,,pp 12310 L0.001
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:32:29 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:32:22 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Sum chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

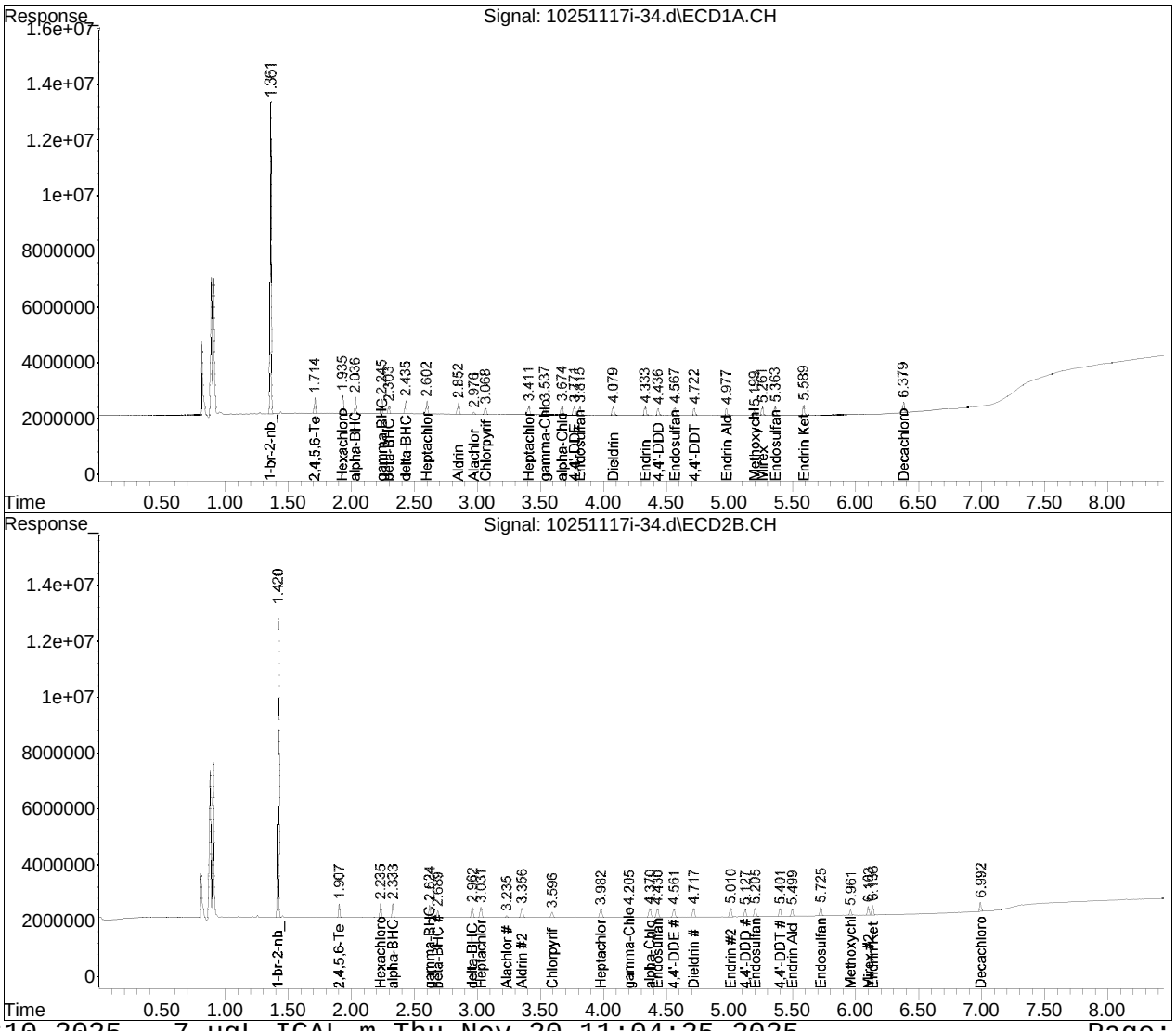
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-34.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 13:48
Operator : PEST10:akm
Sample : il3pest,42e,,pp 12310 L0.001
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:32:29 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:32:22 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

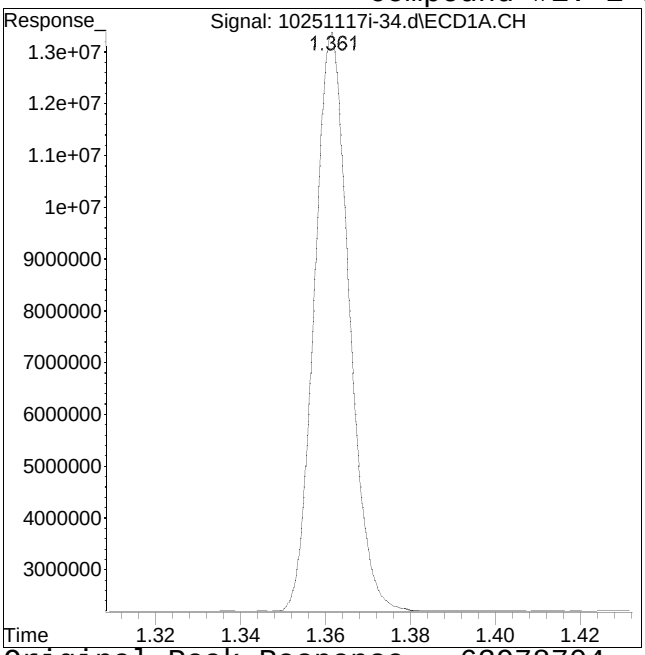
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

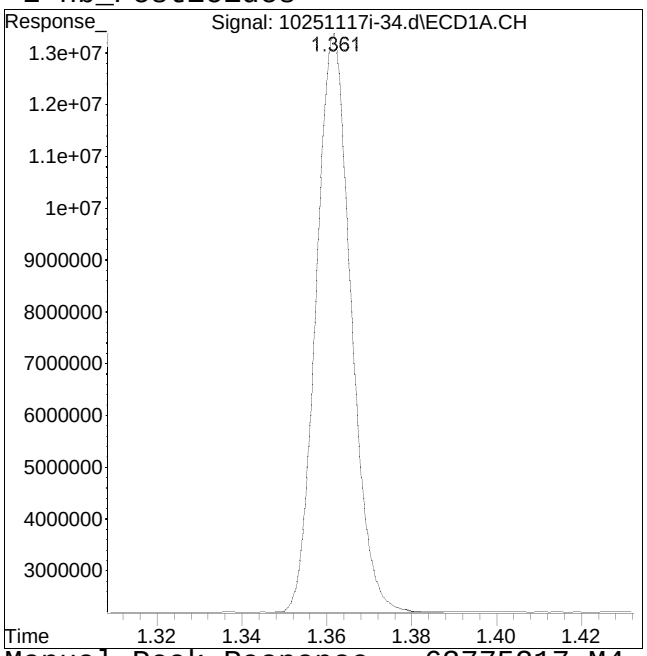


Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #1: 1-br-2-nb_Pesticides



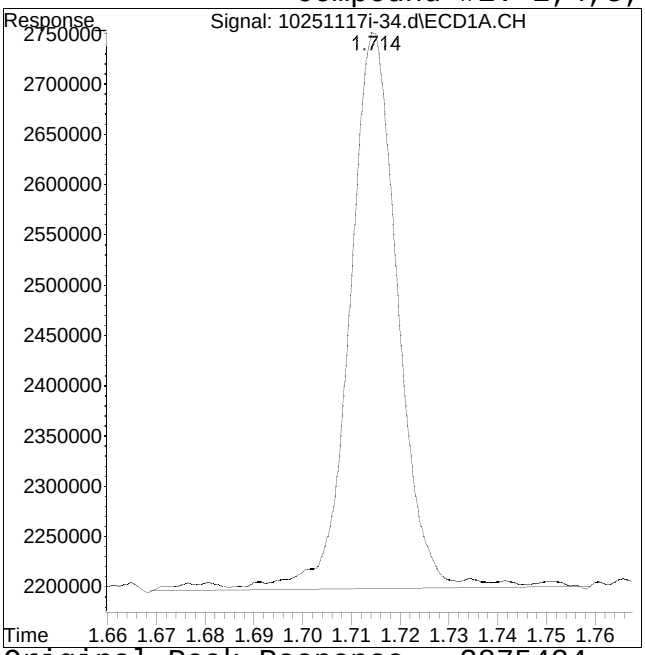


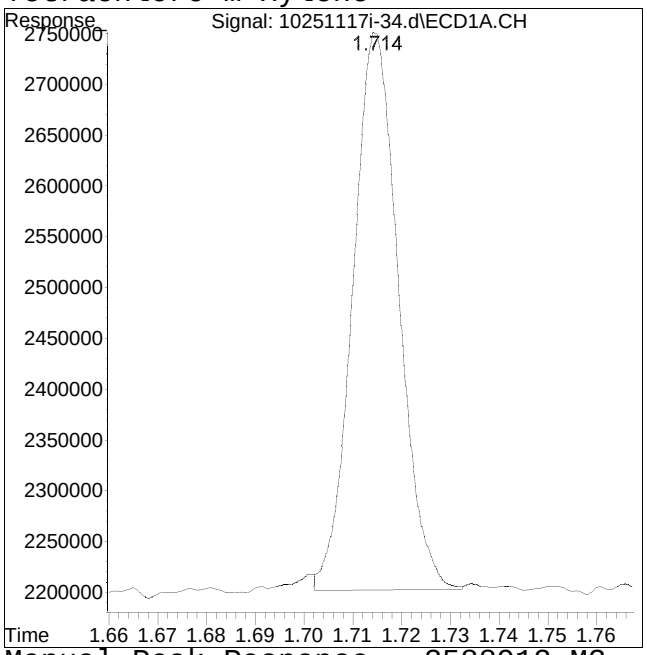
Original Peak Response = 63978704 Manual Peak Response = 63775217 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



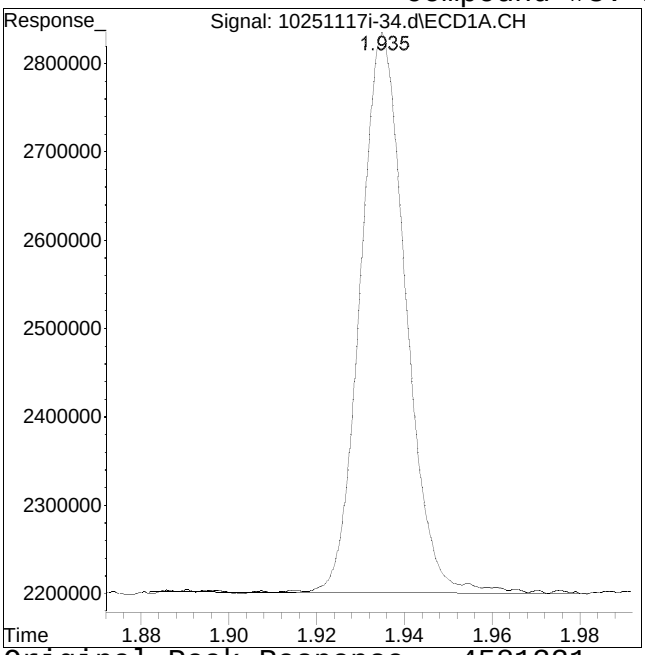


Original Peak Response = 3875424 Manual Peak Response = 3588912 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

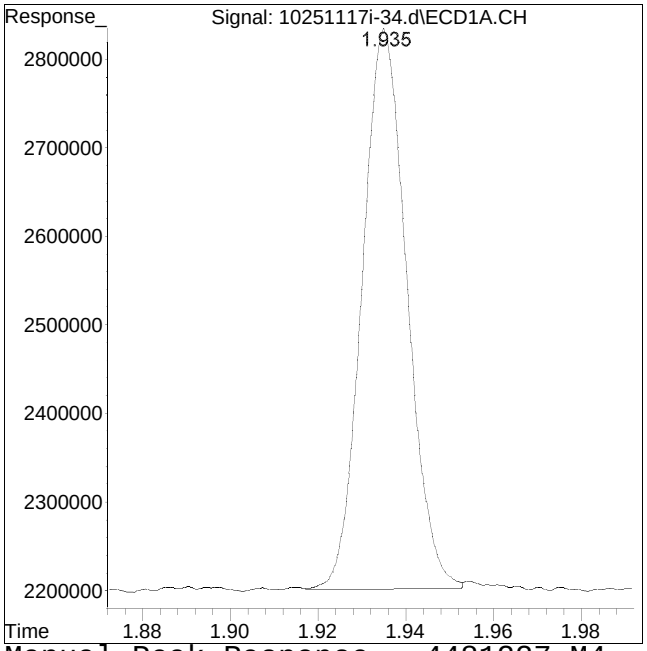
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #3: Hexachlorobenzene



Original Peak Response = 4581321



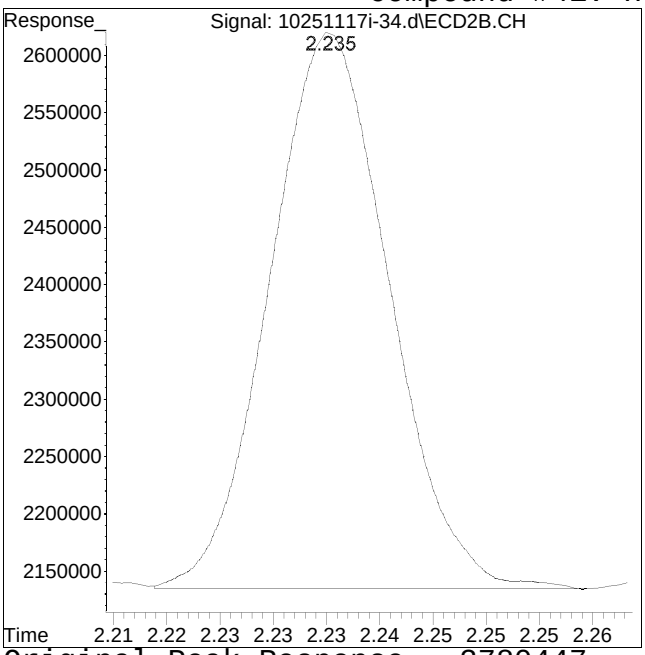
Manual Peak Response = 4481227 M4

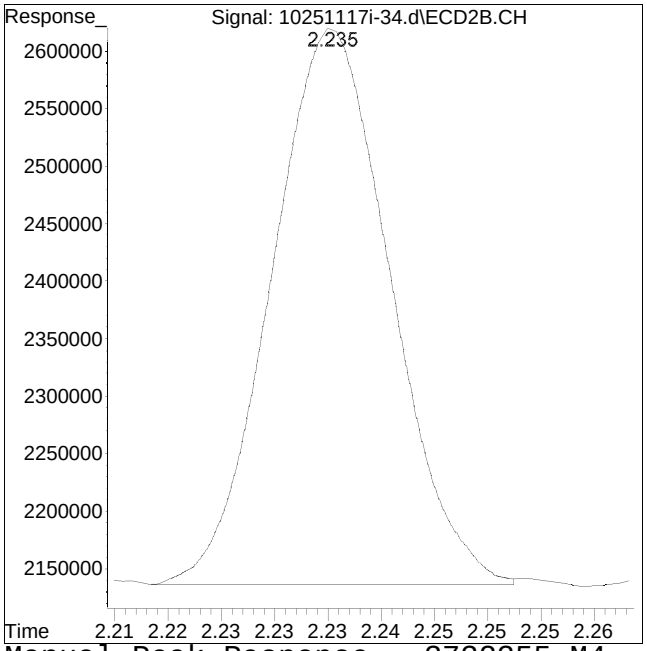
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #41: Hexachlorobenzene #2



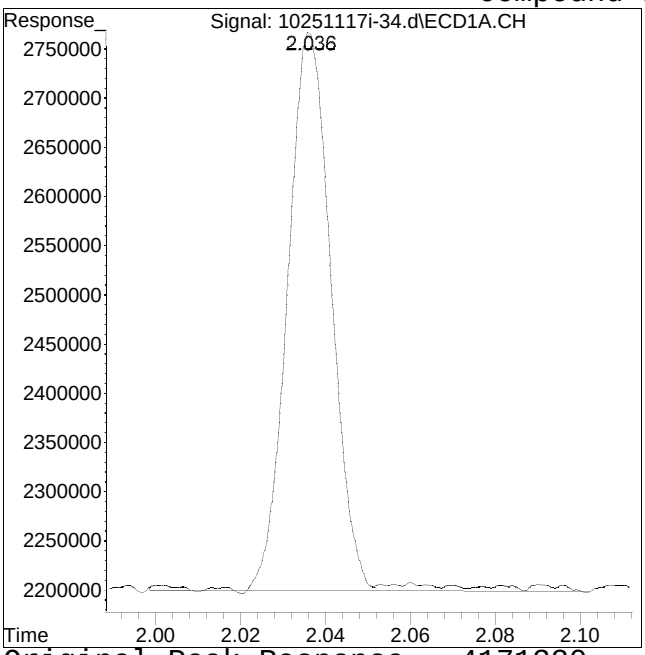


Original Peak Response = 3780447 Manual Peak Response = 3732355 M4
M4 = Poor automated baseline construction.

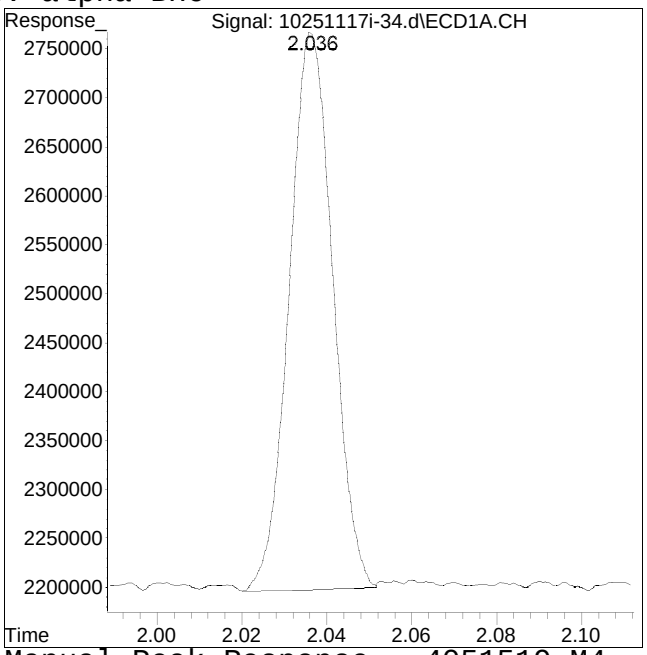
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #4: alpha-BHC



Original Peak Response = 4171320



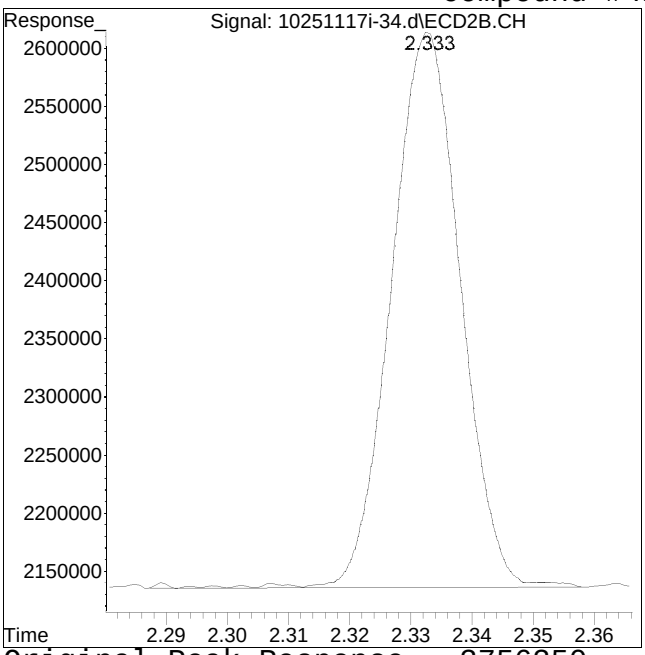
Manual Peak Response = 4051519 M4

M4 = Poor automated baseline construction.

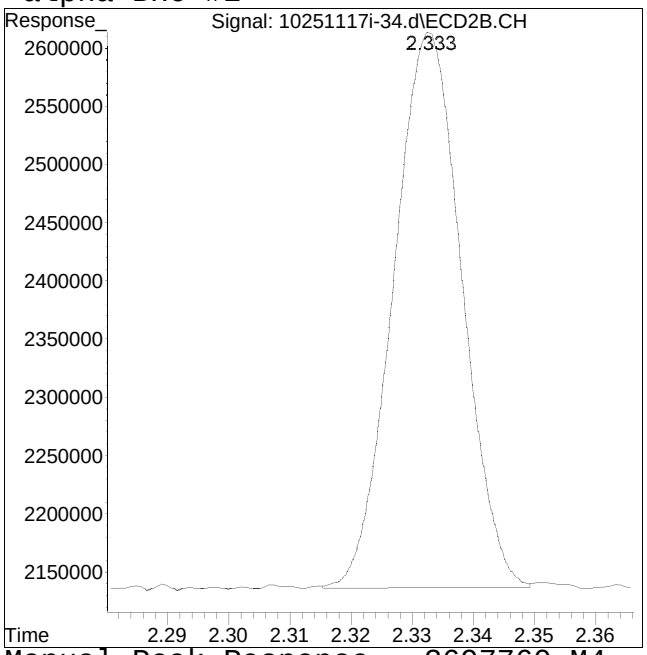
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #42: alpha-BHC #2



Original Peak Response = 3756350



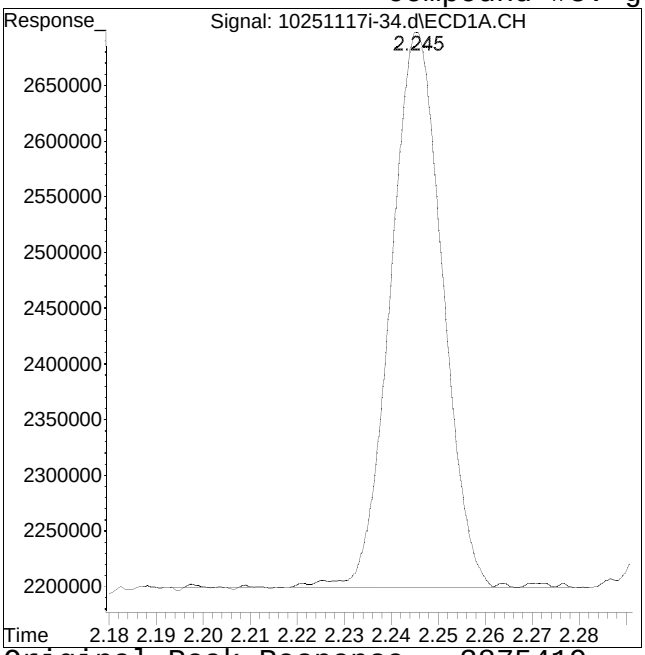
Manual Peak Response = 3697760 M4

M4 = Poor automated baseline construction.

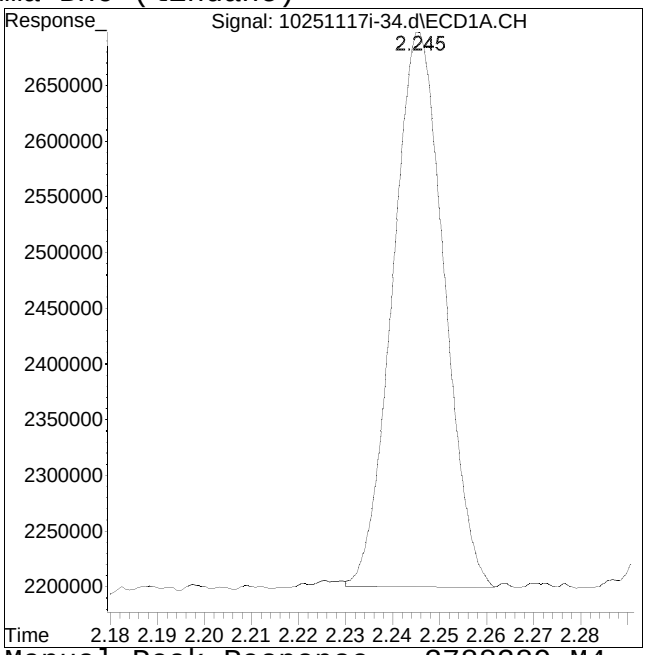
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #5: gamma-BHC (lindane)



Original Peak Response = 3875419



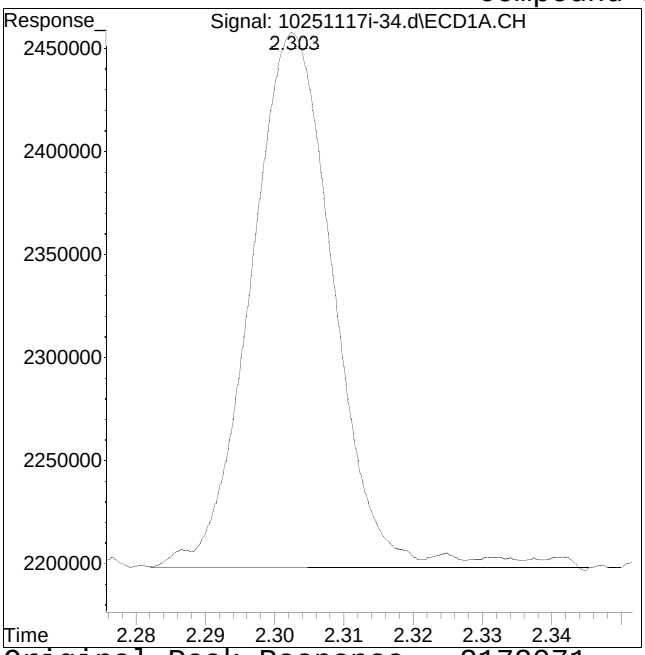
Manual Peak Response = 3788389 M4

M4 = Poor automated baseline construction.

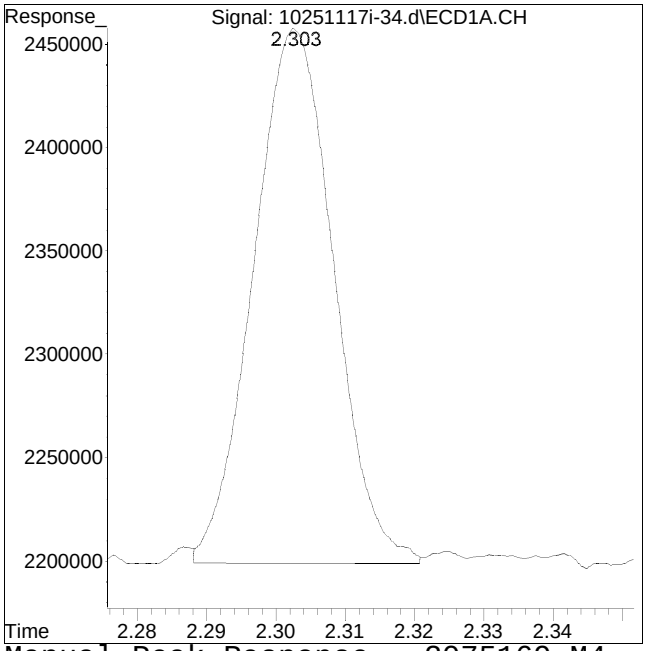
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #6: beta-BHC



Original Peak Response = 2172071



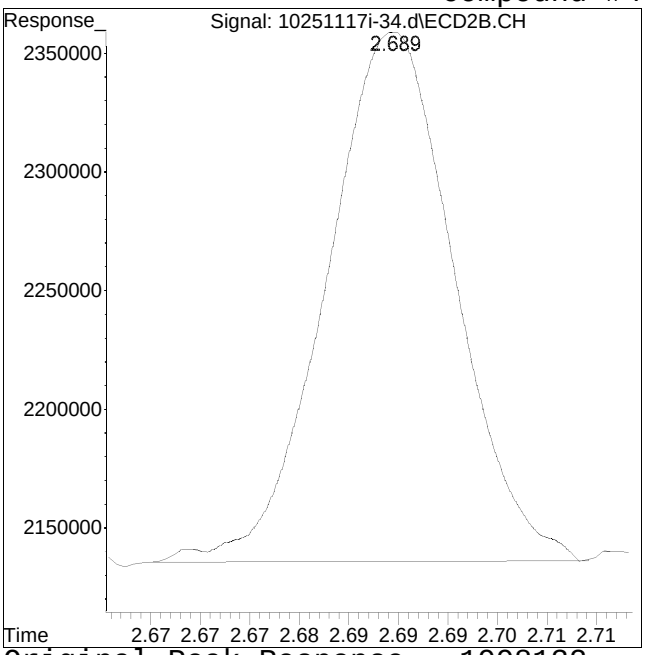
Manual Peak Response = 2075169 M4

M4 = Poor automated baseline construction.

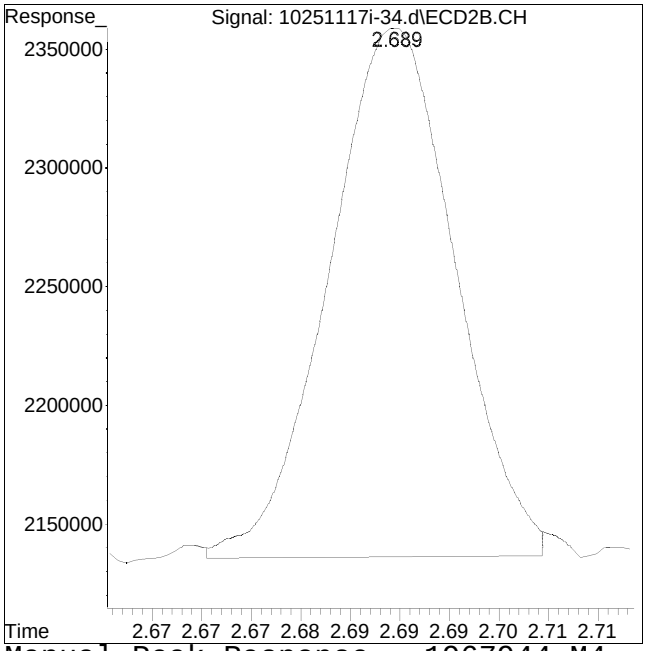
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #44: beta-BHC #2



Original Peak Response = 1998132



Manual Peak Response = 1967944 M4

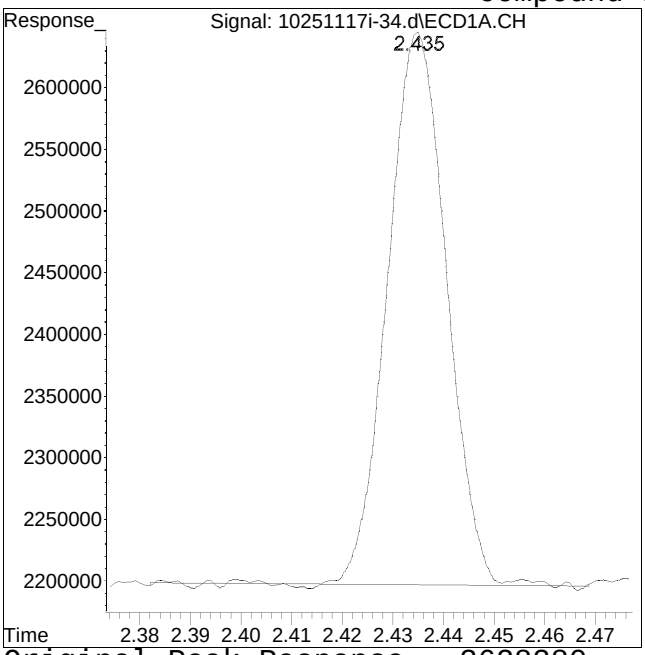
M4 = Poor automated baseline construction.

Manual Integration Report

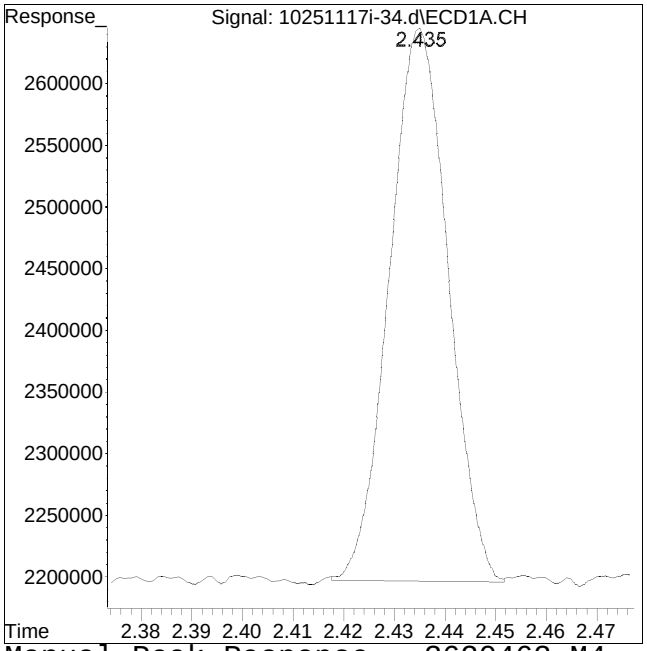
Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-34.d
Date Inj'd : 11/19/2025 13:48
Sample : il3pest,42e,,pp 12310 L0.0

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 9:32 am

Compound #7: delta-BHC



Original Peak Response = 3628280



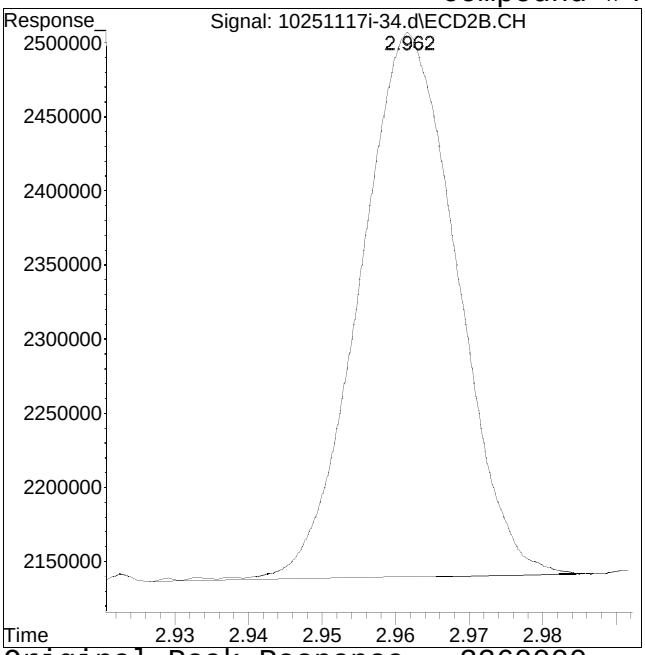
Manual Peak Response = 3620462 M4

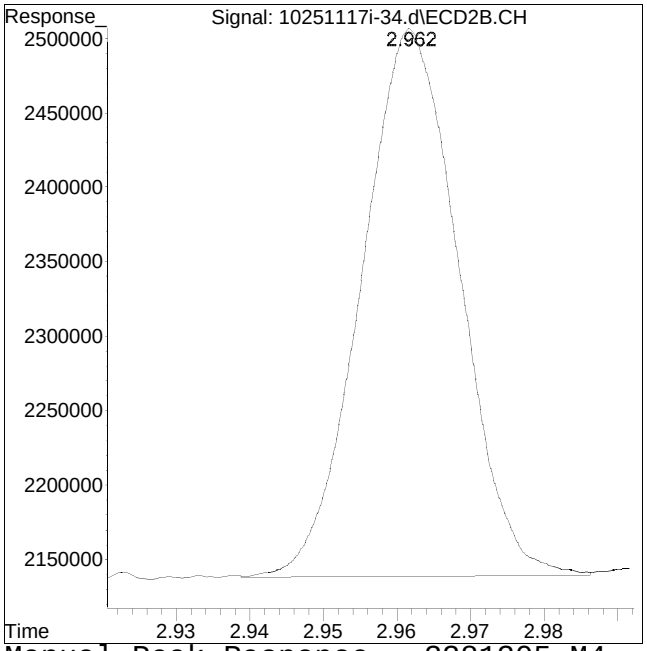
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #45: delta-BHC #2



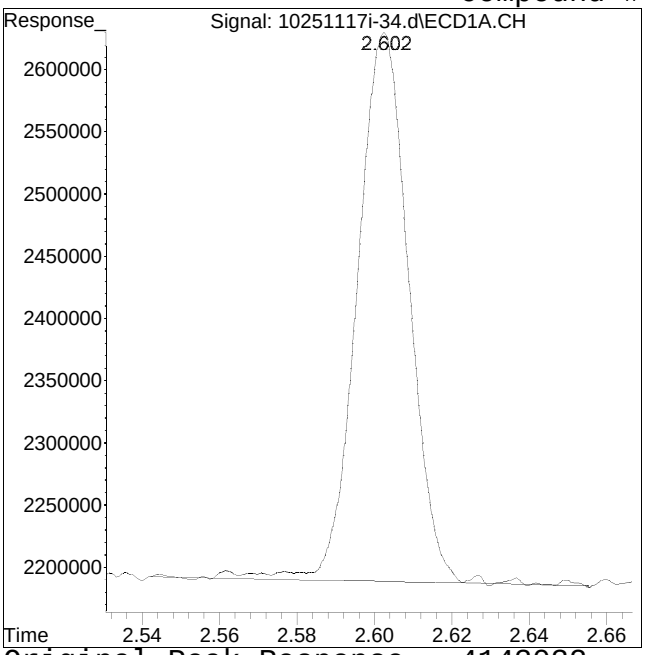


Original Peak Response = 3360000 Manual Peak Response = 3381305 M4
M4 = Poor automated baseline construction.

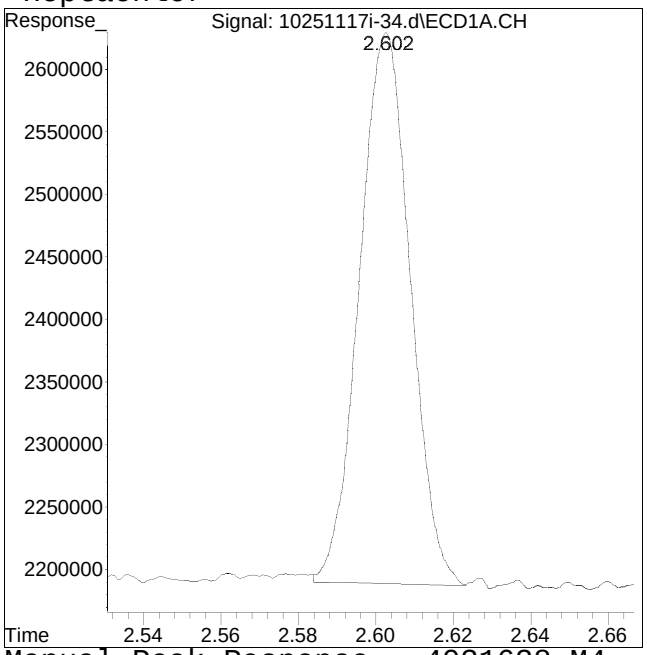
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #8: Heptachlor



Original Peak Response = 4143032



Manual Peak Response = 4031638 M4

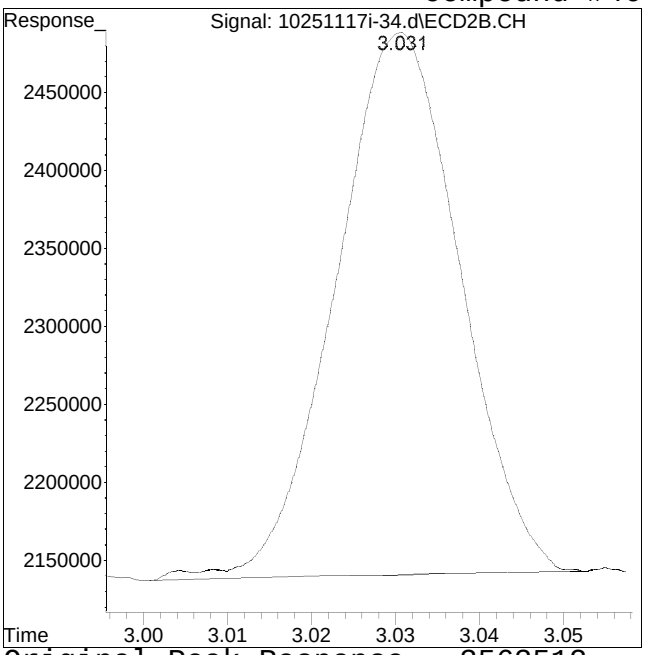
M4 = Poor automated baseline construction.

Manual Integration Report

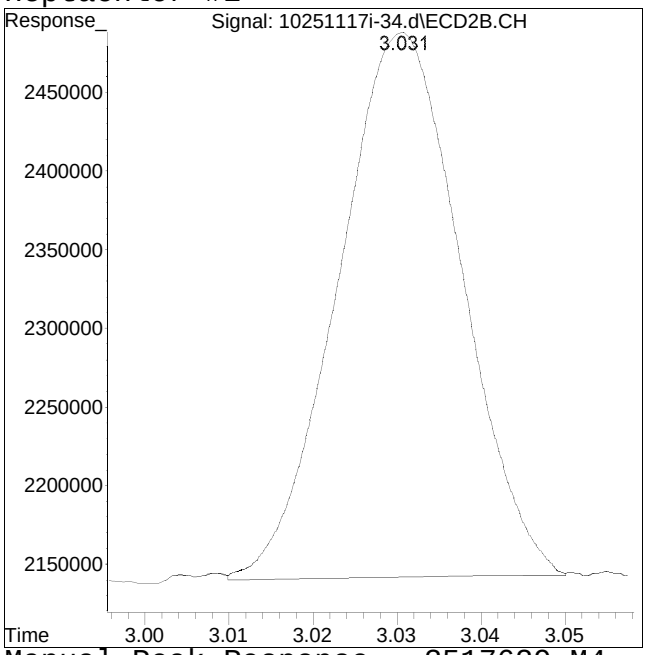
Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-34.d
Date Inj'd : 11/19/2025 13:48
Sample : il3pest,42e,,pp 12310 L0.0

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 9:32 am

Compound #46: Heptachlor #2



Original Peak Response = 3563512



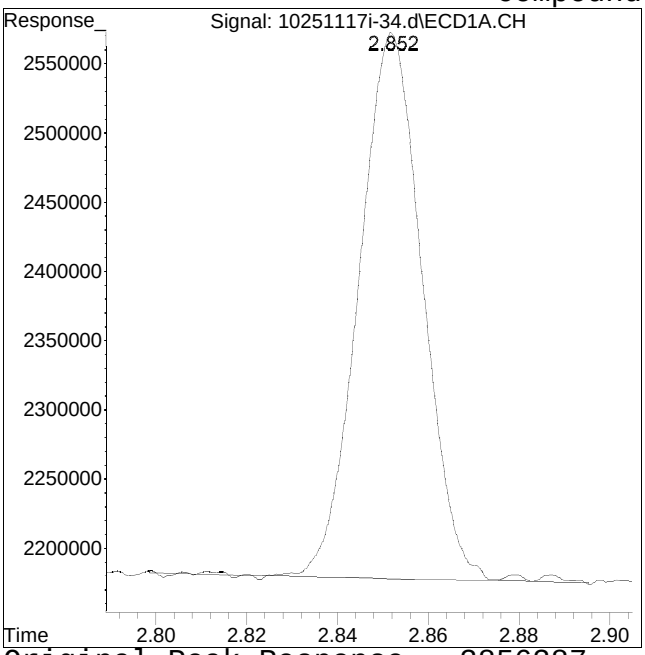
Manual Peak Response = 3517629 M4

M4 = Poor automated baseline construction.

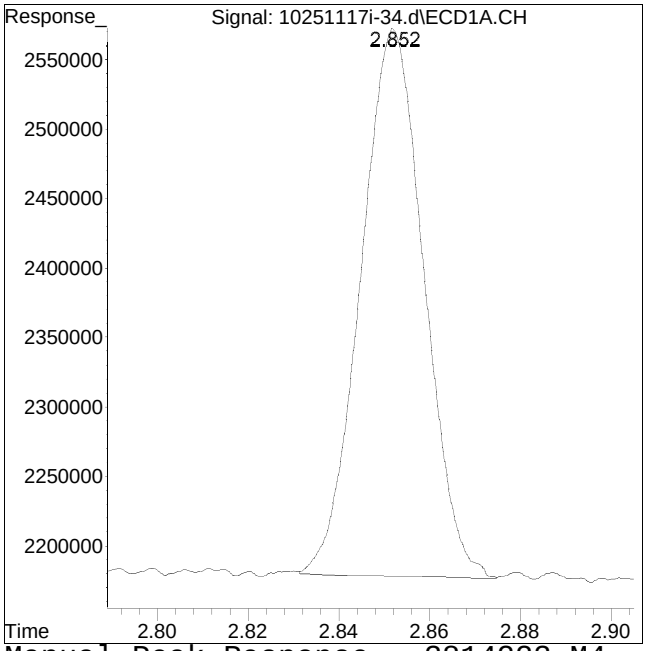
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #9: Aldrin



Original Peak Response = 3856387



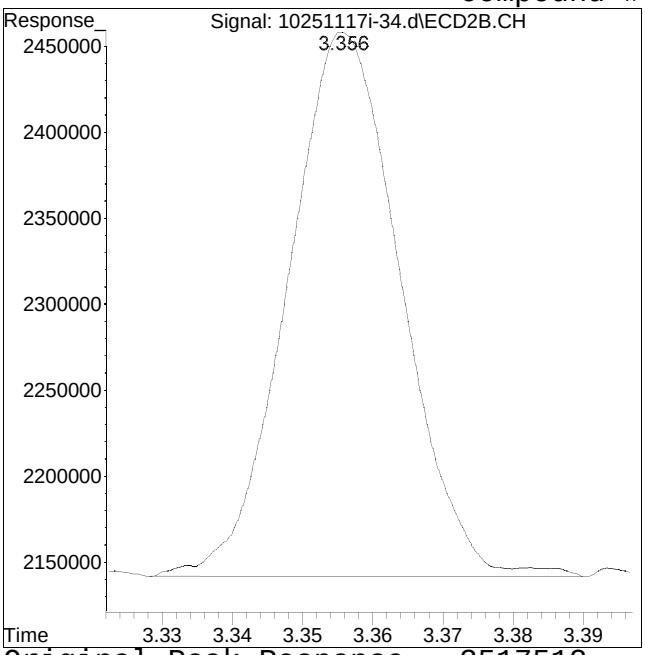
Manual Peak Response = 3814223 M4

M4 = Poor automated baseline construction.

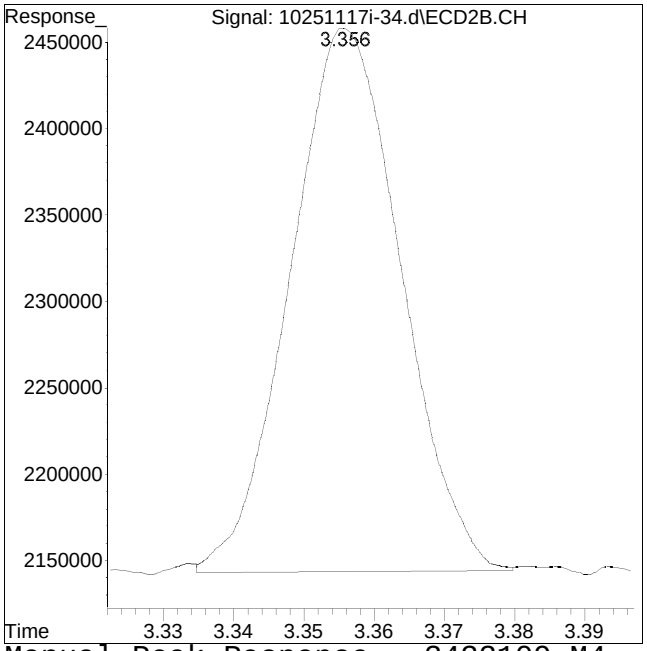
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #47: Aldrin #2



Original Peak Response = 3517512



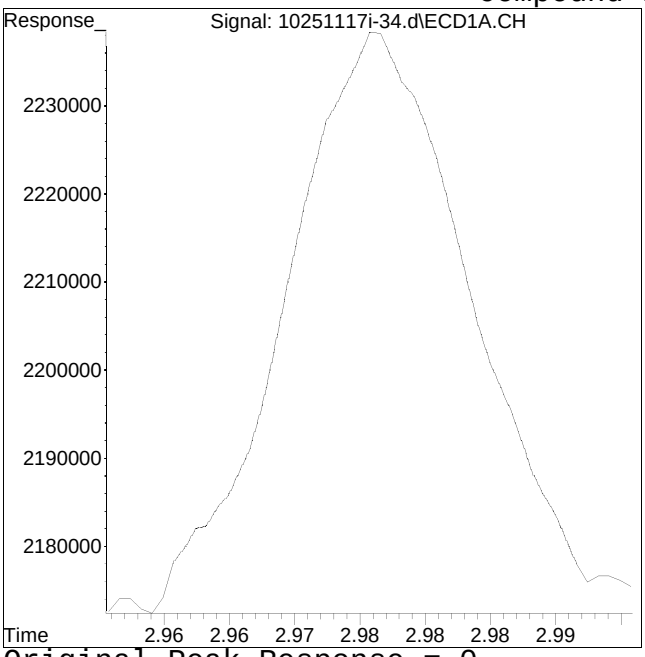
Manual Peak Response = 3433109 M4

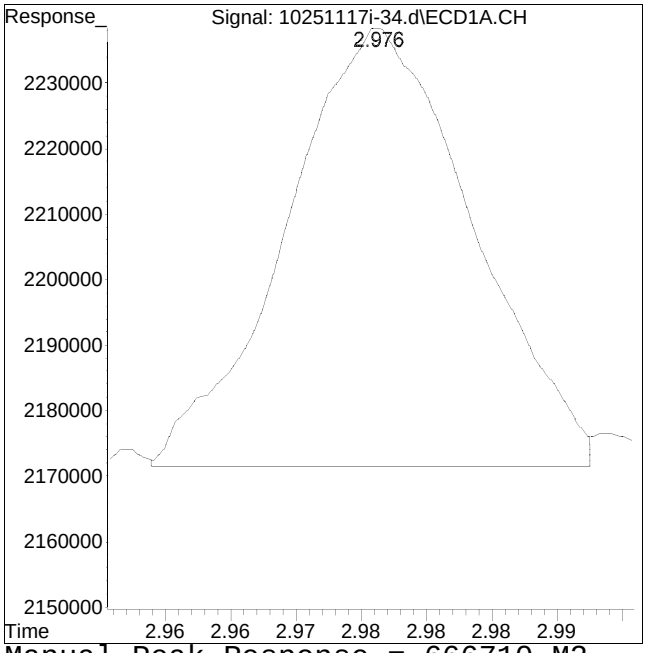
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #10: Alachlor



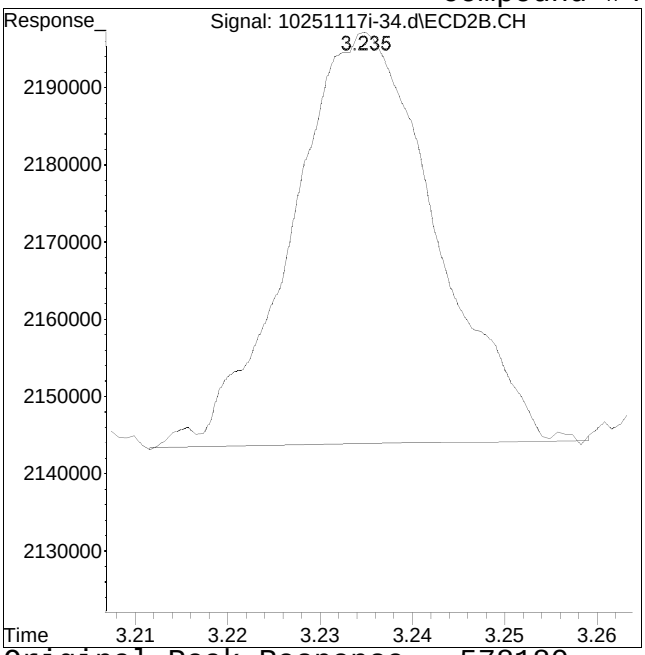


Original Peak Response = 0 Manual Peak Response = 666710 M2
M2 = Peak not found by automatic integration algorithm.

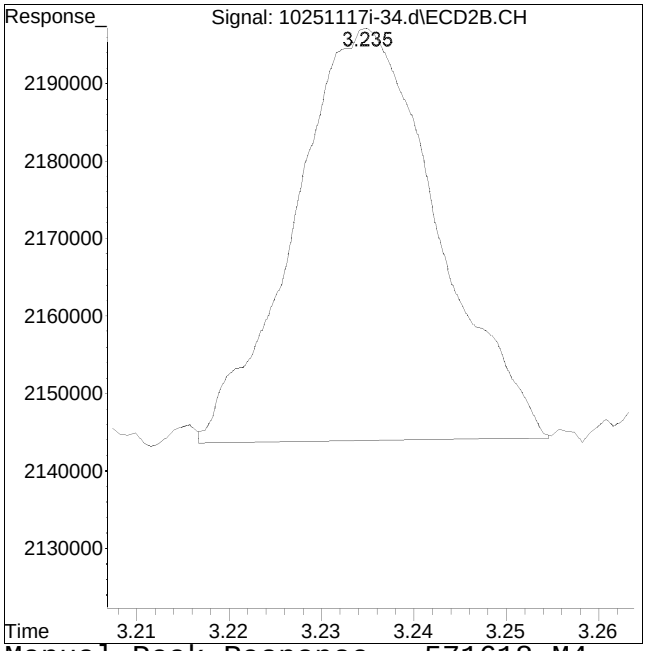
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #48: Alachlor #2



Original Peak Response = 578180



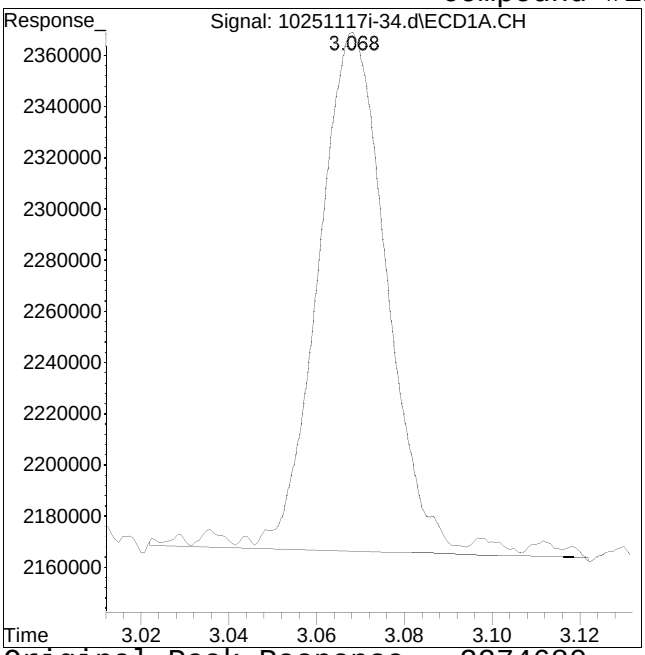
Manual Peak Response = 571618 M4

M4 = Poor automated baseline construction.

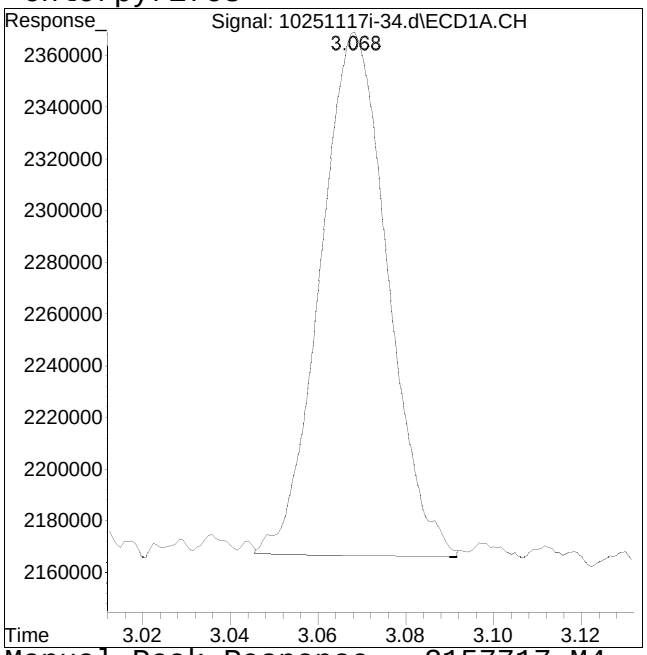
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #11: Chlorpyrifos



Original Peak Response = 2274680



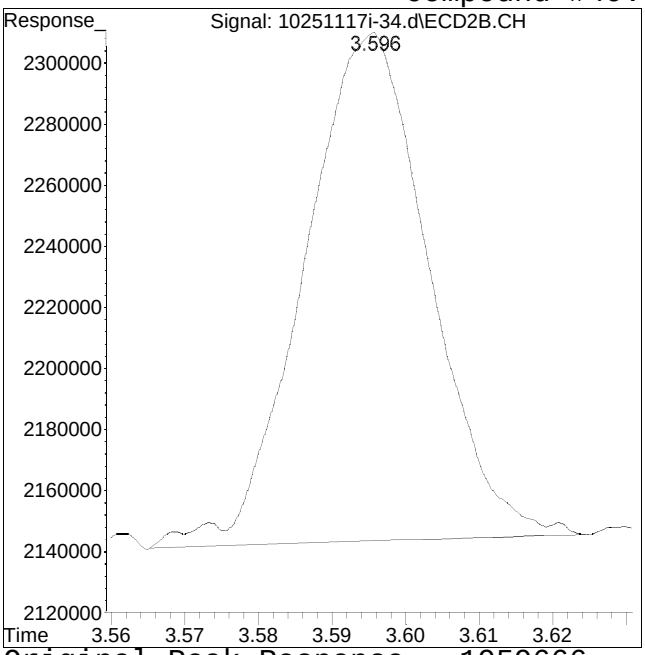
Manual Peak Response = 2157717 M4

M4 = Poor automated baseline construction.

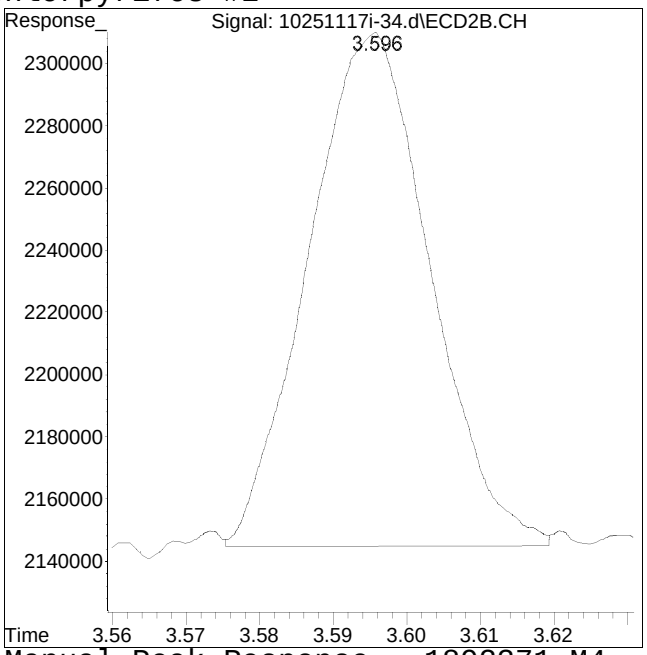
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 1959666



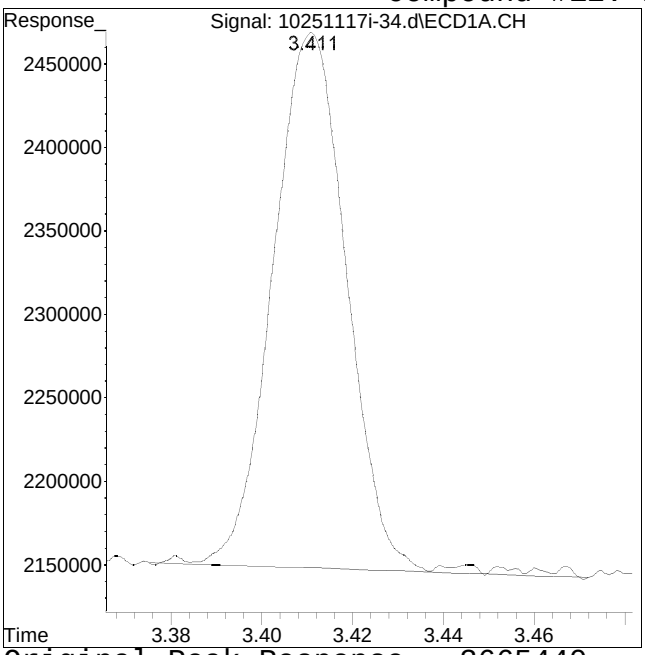
Manual Peak Response = 1892371 M4

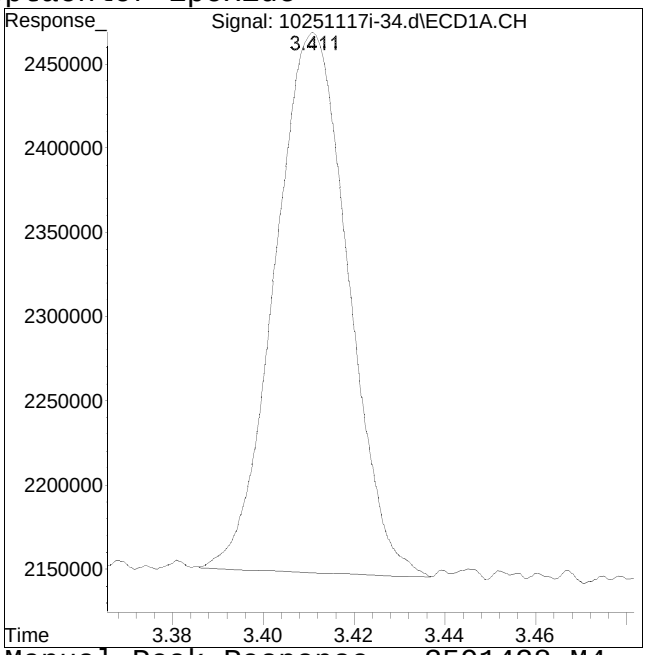
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #12: Heptachlor Epoxide



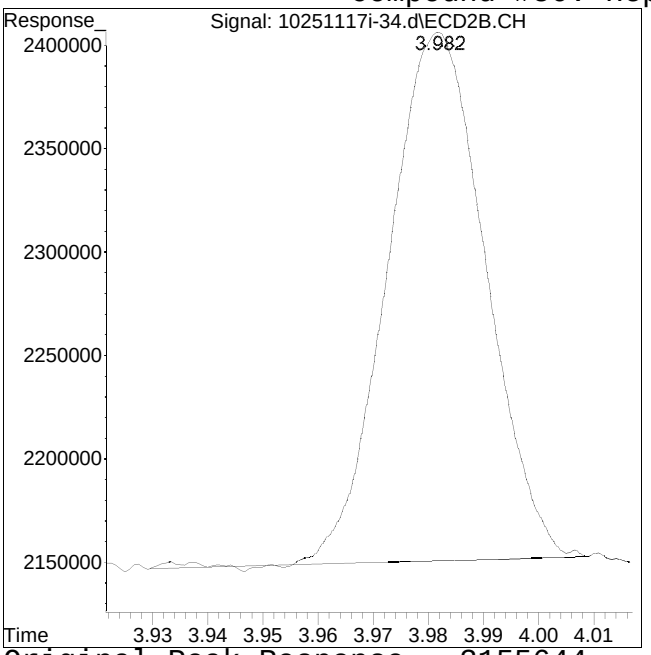


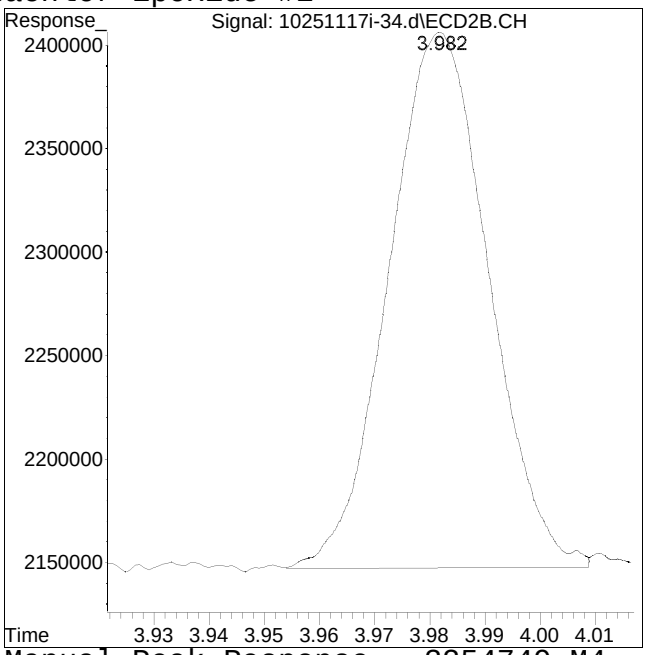
Original Peak Response = 3665440 Manual Peak Response = 3591428 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #50: Heptachlor Epoxide #2



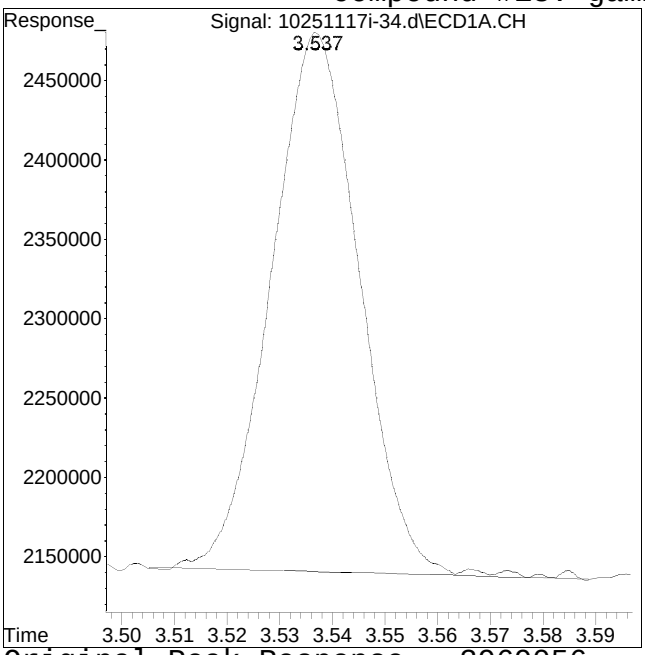


Original Peak Response = 3155644 Manual Peak Response = 3254749 M4
M4 = Poor automated baseline construction.

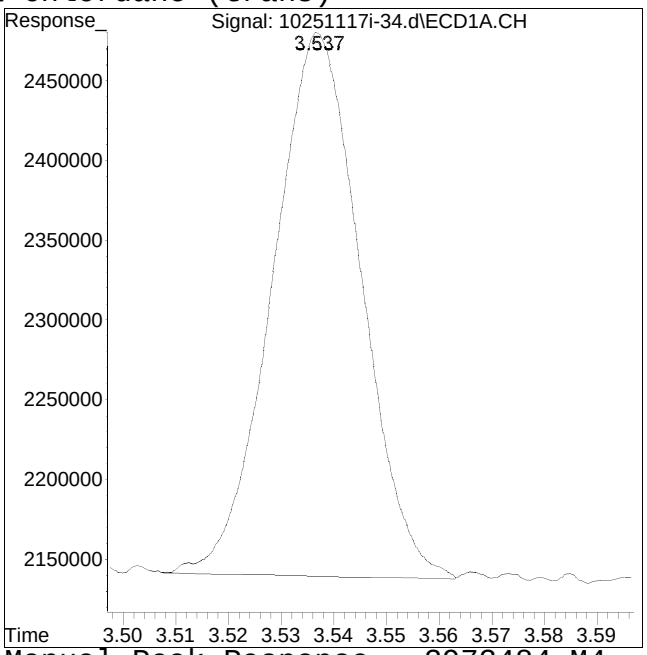
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 3969056



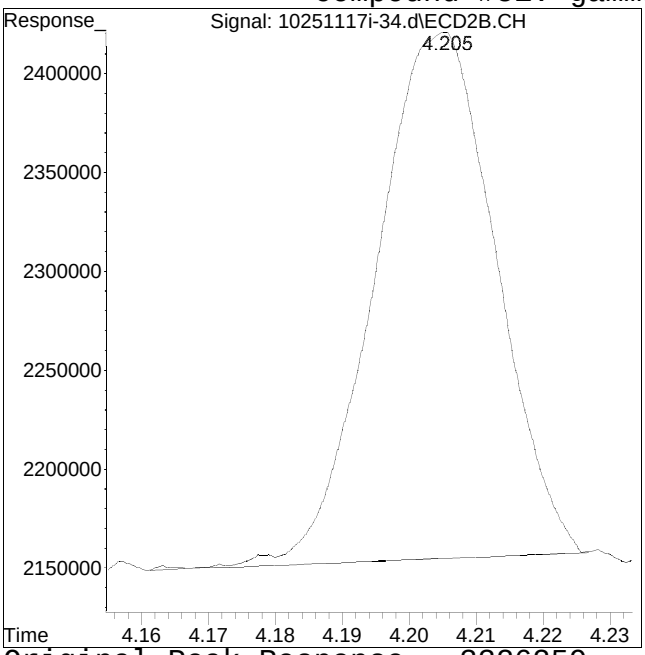
Manual Peak Response = 3973484 M4

M4 = Poor automated baseline construction.

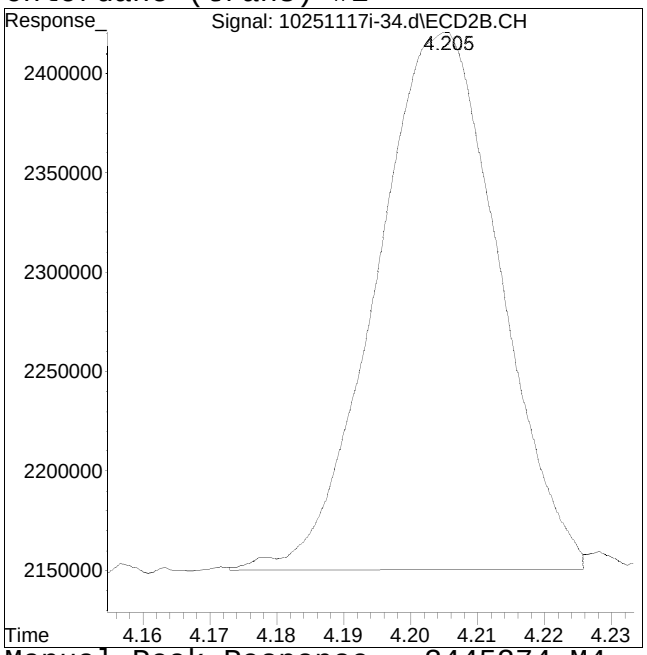
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 3326259



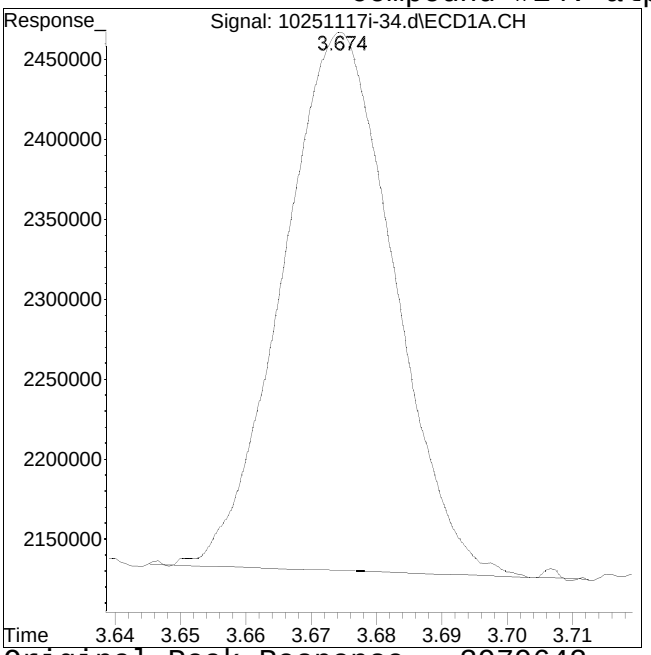
Manual Peak Response = 3445274 M4

M4 = Poor automated baseline construction.

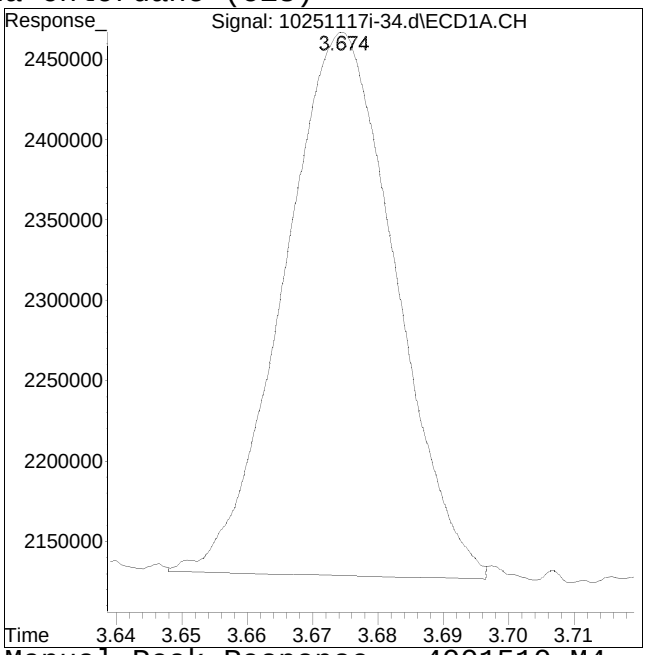
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 3979642



Manual Peak Response = 4001510 M4

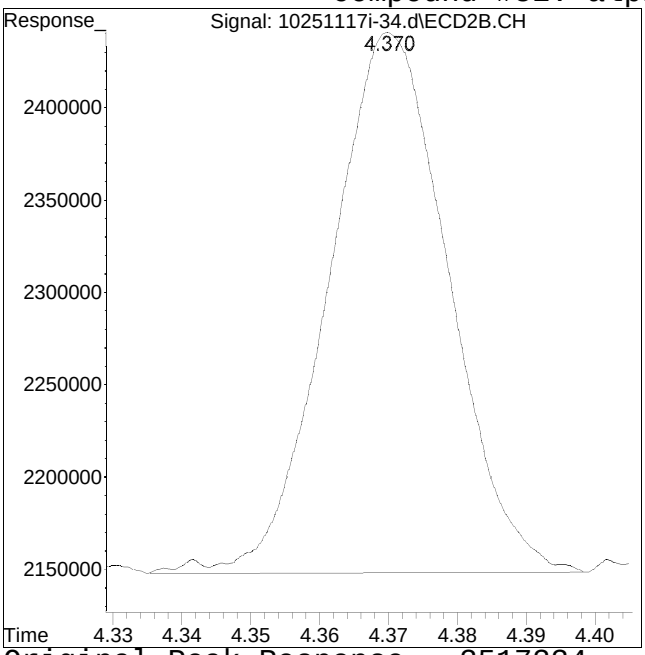
M4 = Poor automated baseline construction.

Manual Integration Report

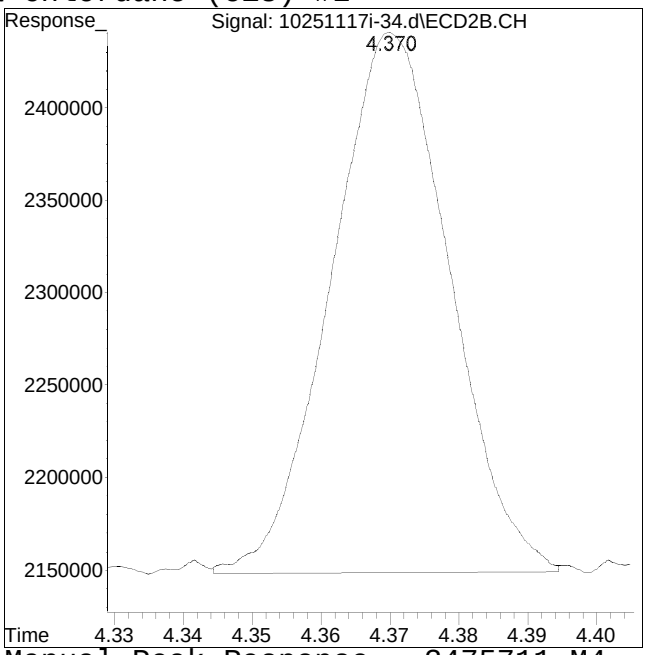
Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-34.d
Date Inj'd : 11/19/2025 13:48
Sample : il3pest,42e,,pp 12310 L0.0

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 9:32 am

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 3517334



Manual Peak Response = 3475711 M4

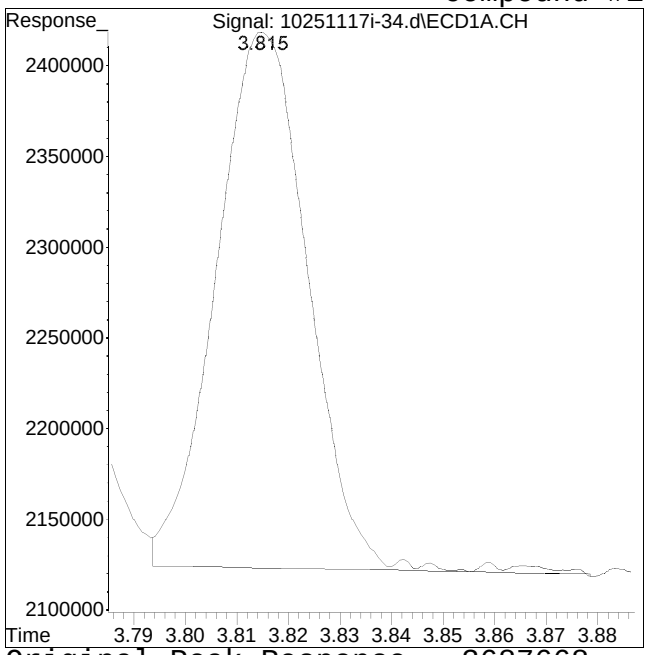
M4 = Poor automated baseline construction.

Manual Integration Report

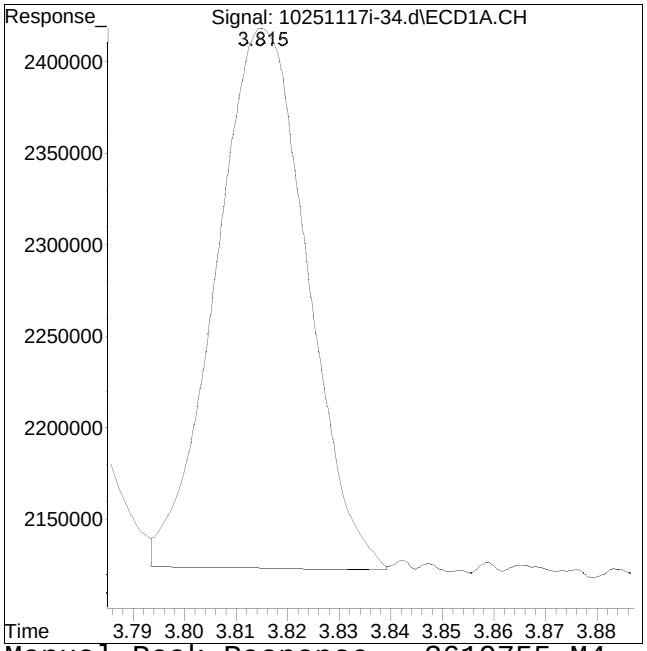
Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-34.d
Date Inj'd : 11/19/2025 13:48
Sample : il3pest,42e,,pp 12310 L0.0

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 9:32 am

Compound #16: Endosulfan I



Original Peak Response = 3687668



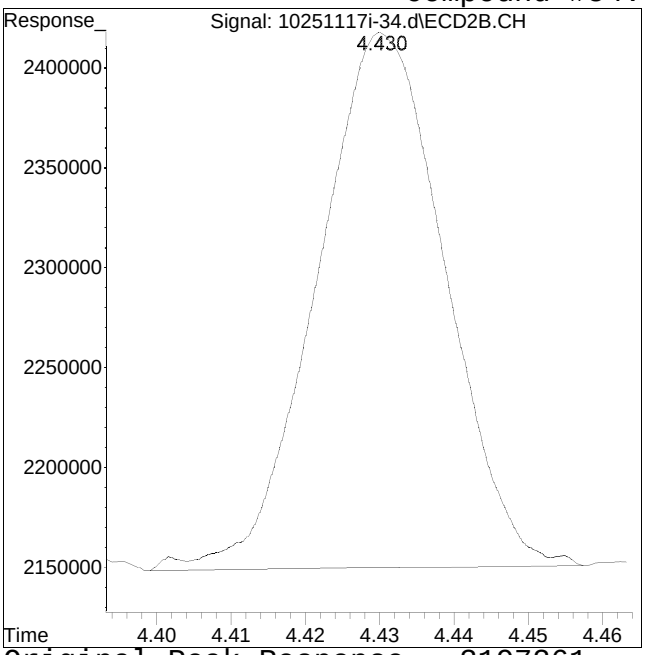
Manual Peak Response = 3619755 M4

M4 = Poor automated baseline construction.

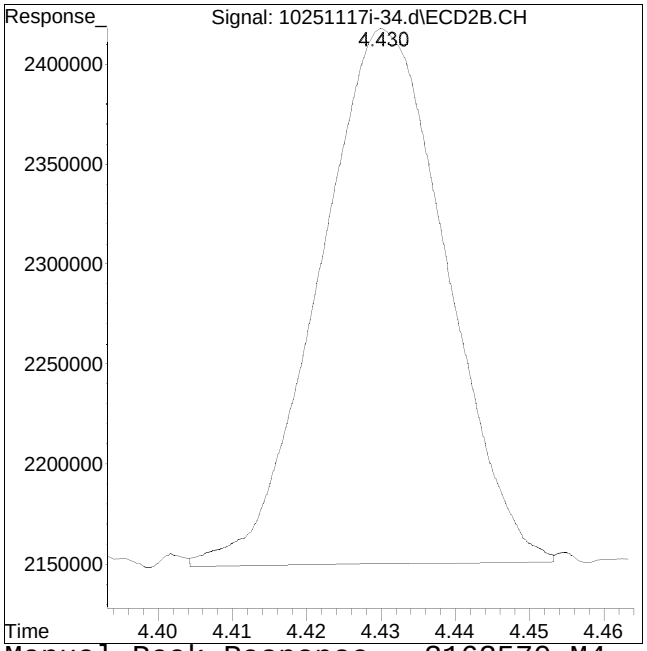
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #54: Endosulfan I #2



Original Peak Response = 3197261



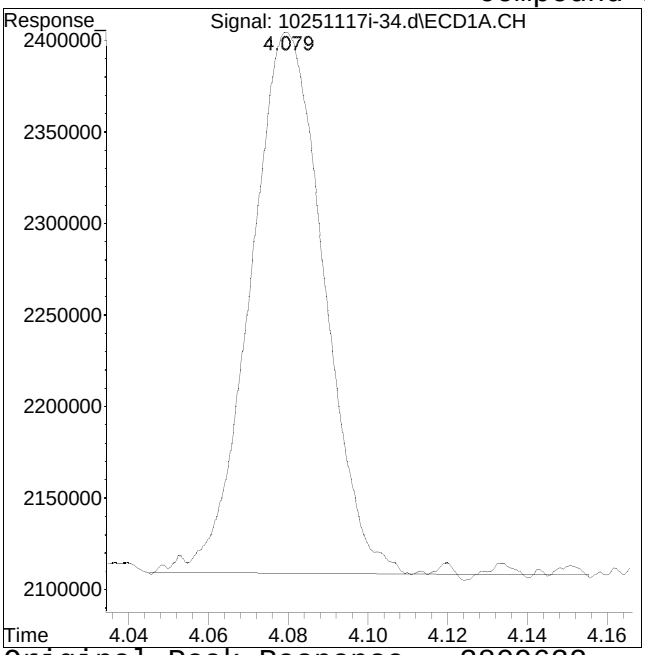
Manual Peak Response = 3163570 M4

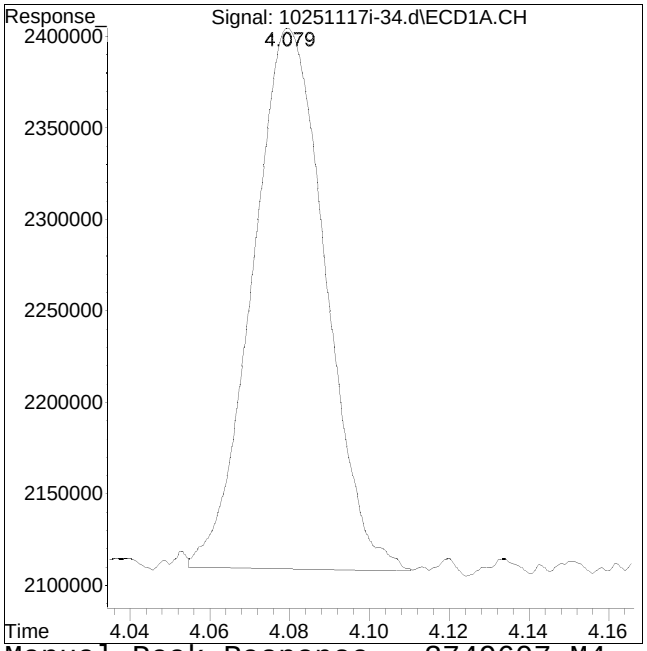
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #17: Dieldrin



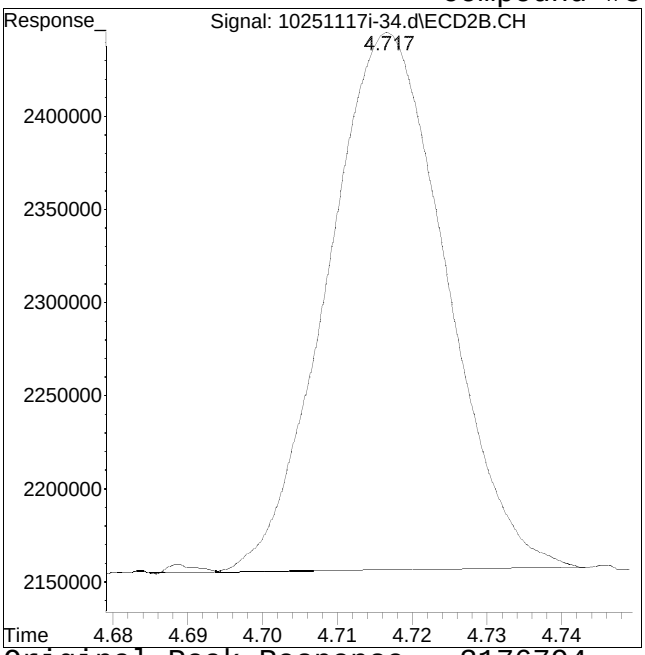


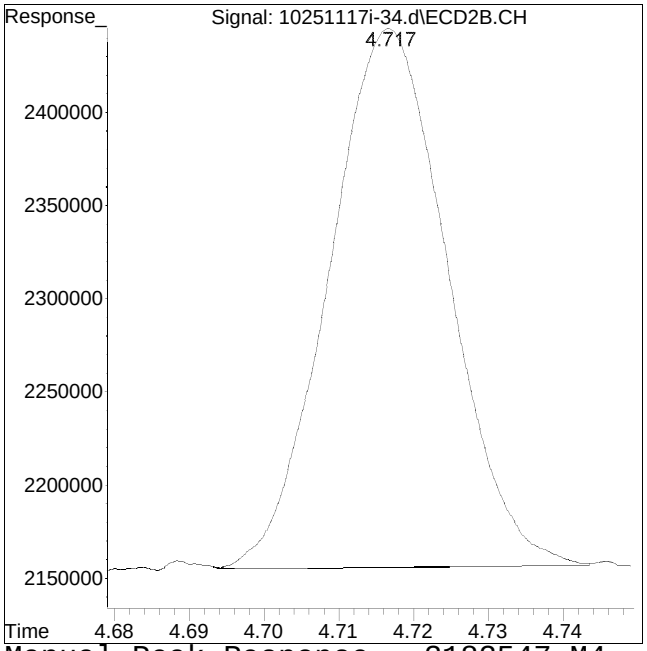
Original Peak Response = 3809632 Manual Peak Response = 3749607 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #55: Dieldrin #2



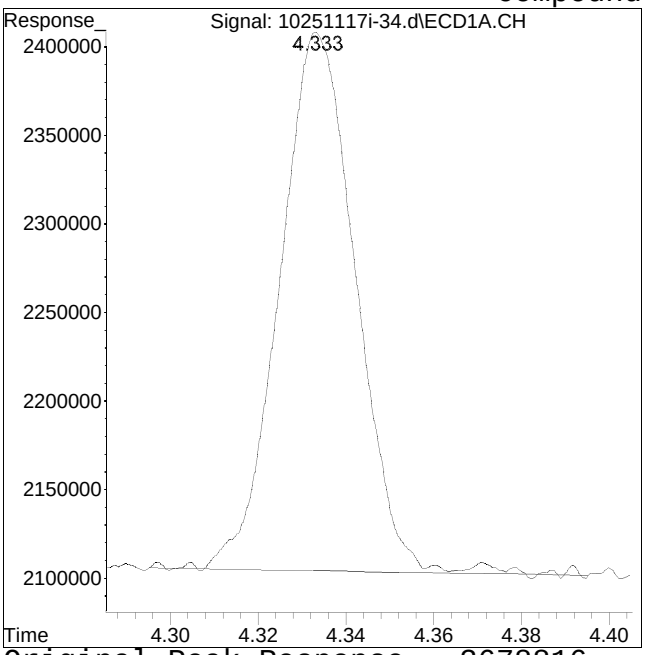


Original Peak Response = 3176794 Manual Peak Response = 3183547 M4
M4 = Poor automated baseline construction.

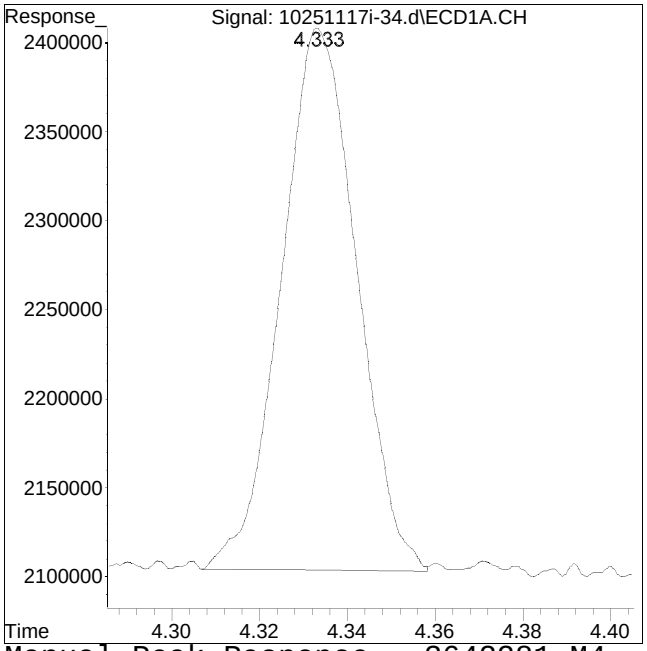
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #18: Endrin



Original Peak Response = 3678816



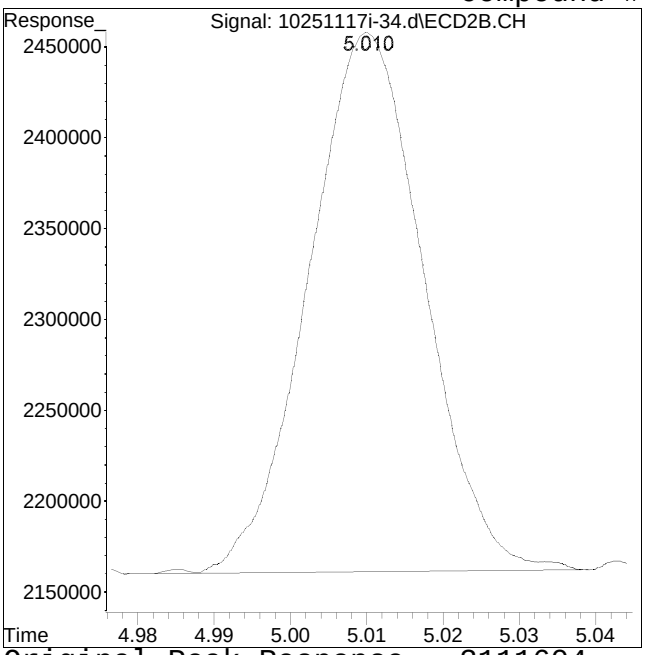
Manual Peak Response = 3642281 M4

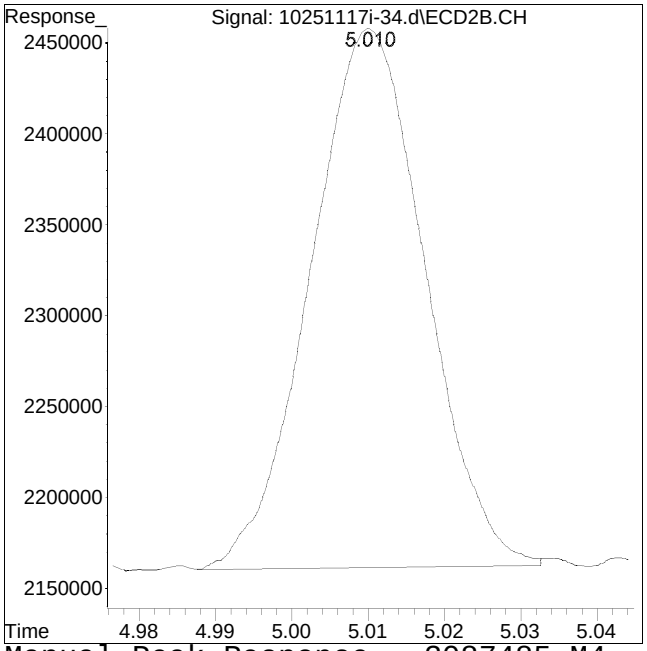
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #56: Endrin #2



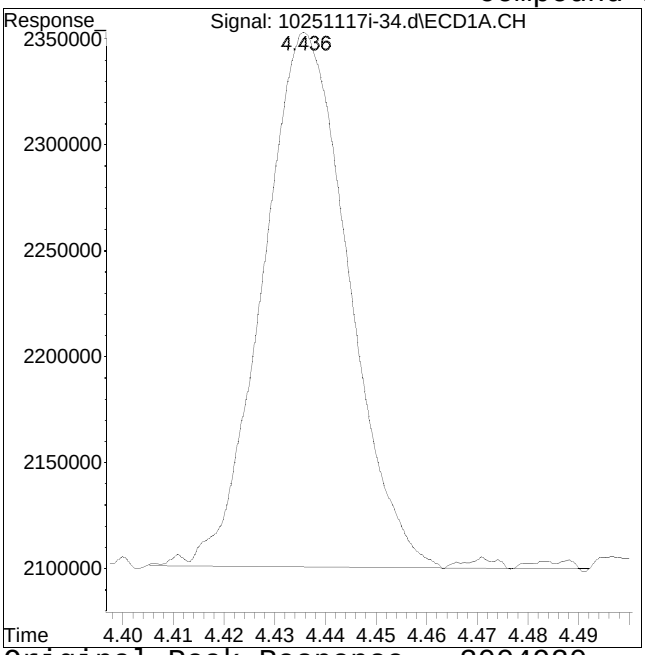


Original Peak Response = 3111604 Manual Peak Response = 3087485 M4
M4 = Poor automated baseline construction.

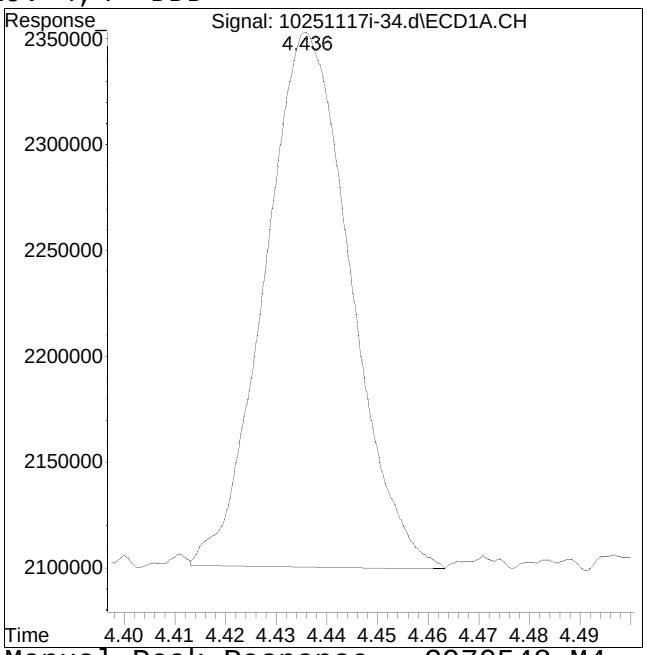
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #19: 4,4'-DDD



Original Peak Response = 3004920



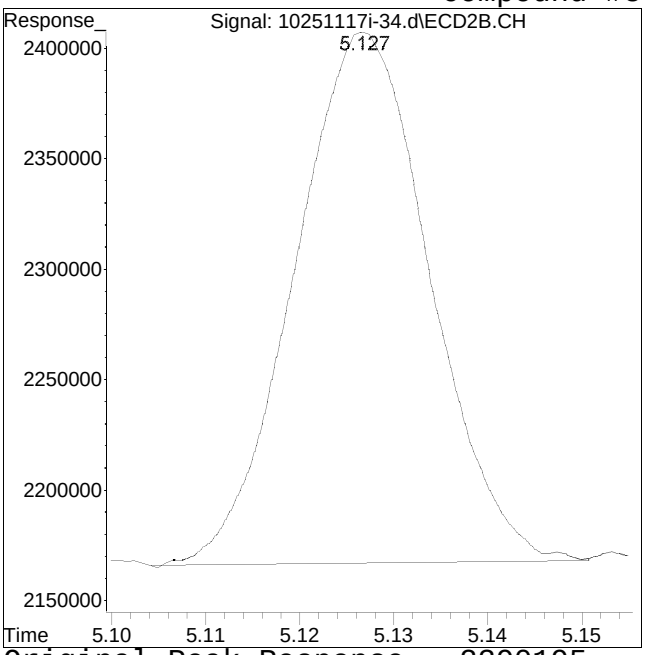
Manual Peak Response = 2970548 M4

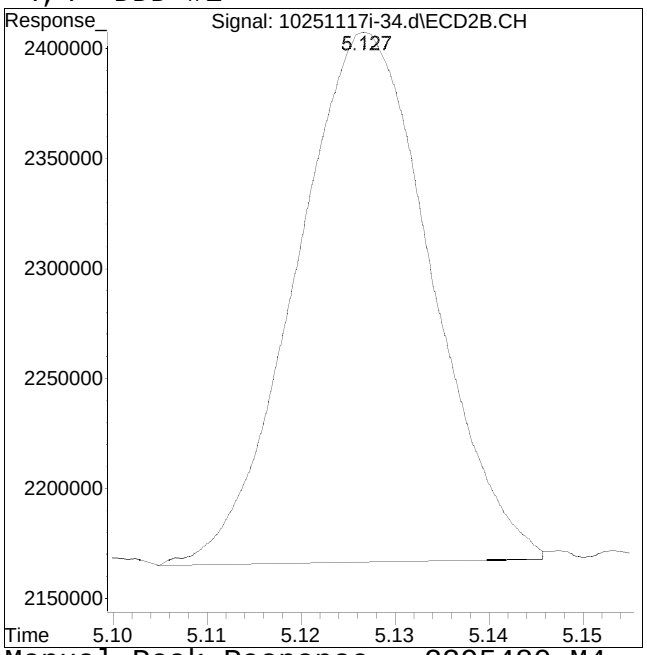
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #57: 4,4'-DDD #2





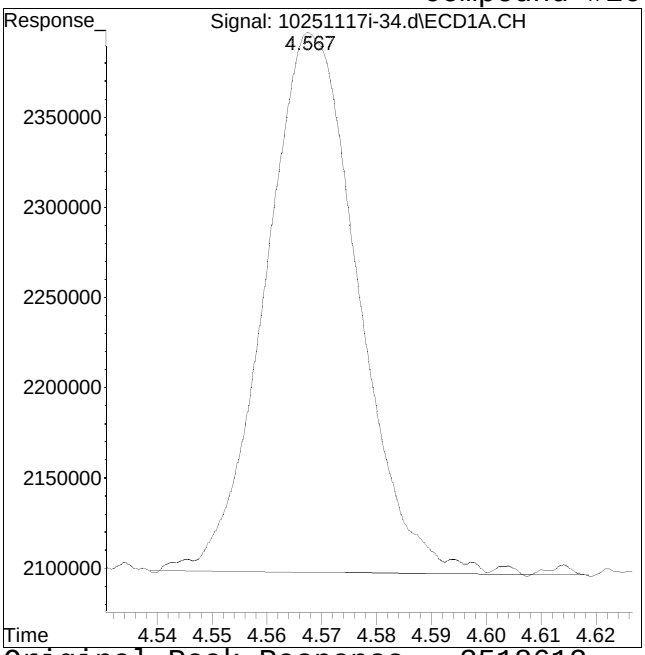
Original Peak Response = 2390195 Manual Peak Response = 2395480 M4
M4 = Poor automated baseline construction.

Manual Integration Report

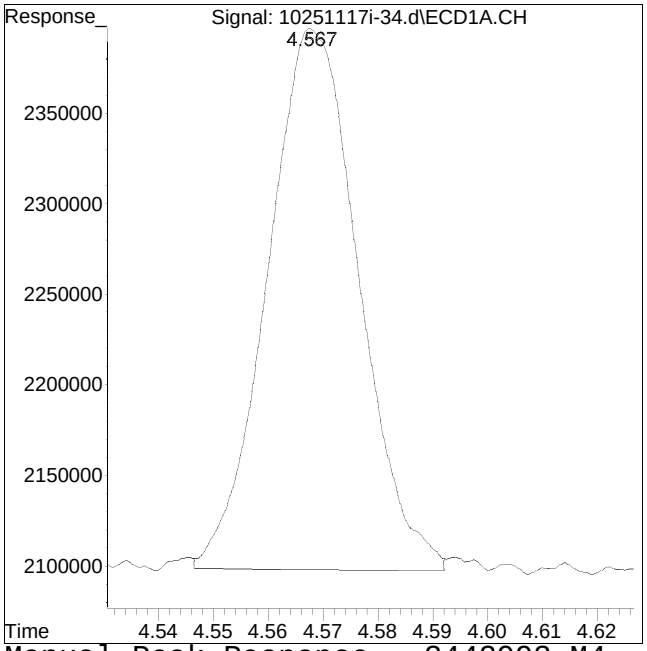
Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-34.d
Date Inj'd : 11/19/2025 13:48
Sample : il3pest,42e,,pp 12310 L0.0

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 9:32 am

Compound #20: Endosulfan II



Original Peak Response = 3518612



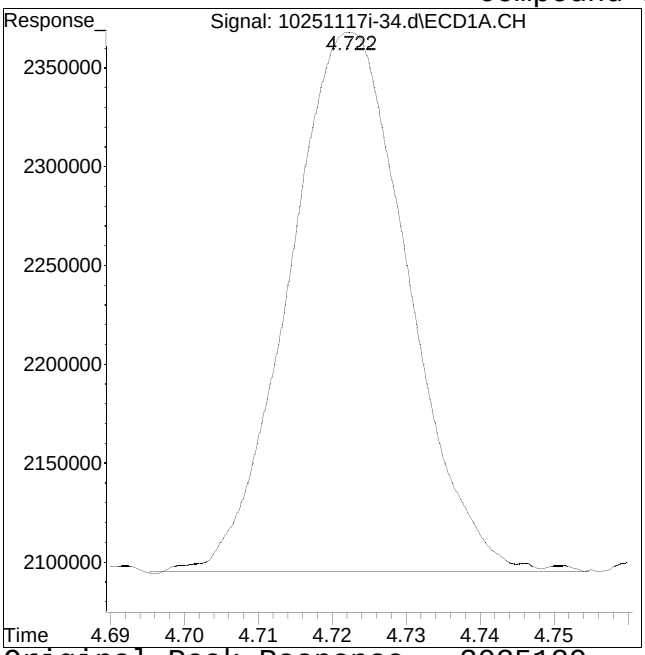
Manual Peak Response = 3442993 M4

M4 = Poor automated baseline construction.

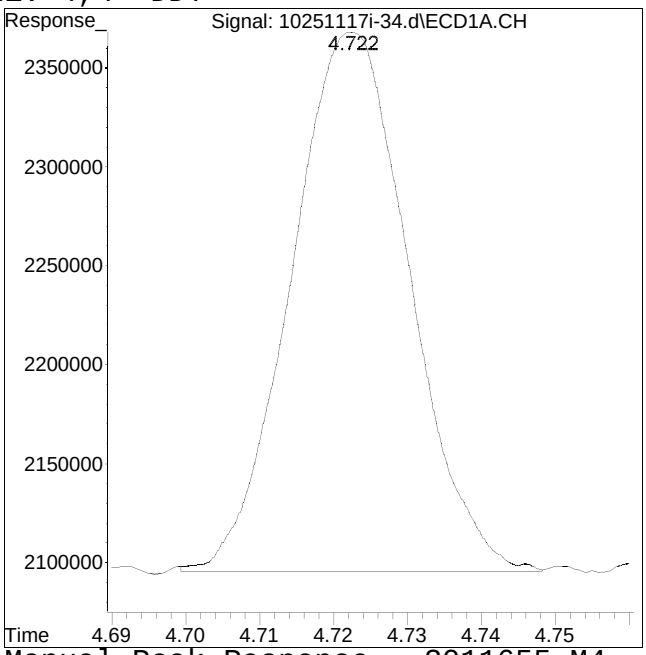
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #21: 4,4'-DDT



Original Peak Response = 3035129



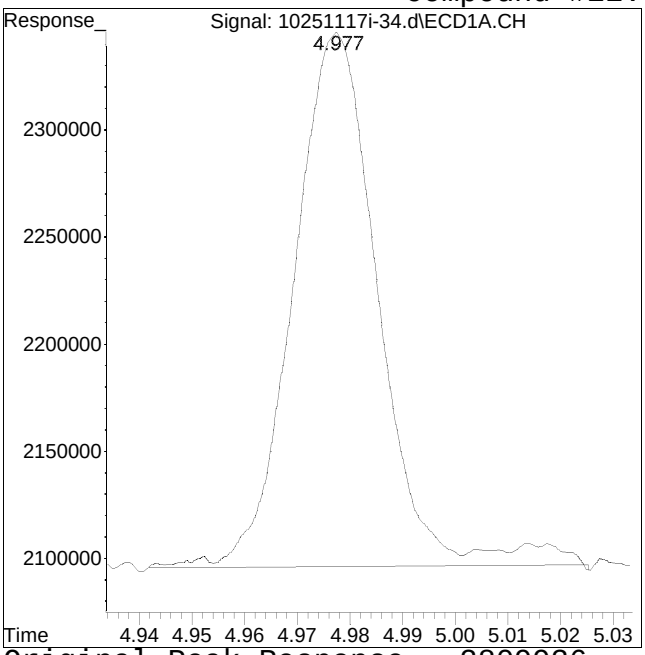
Manual Peak Response = 3011655 M4

M4 = Poor automated baseline construction.

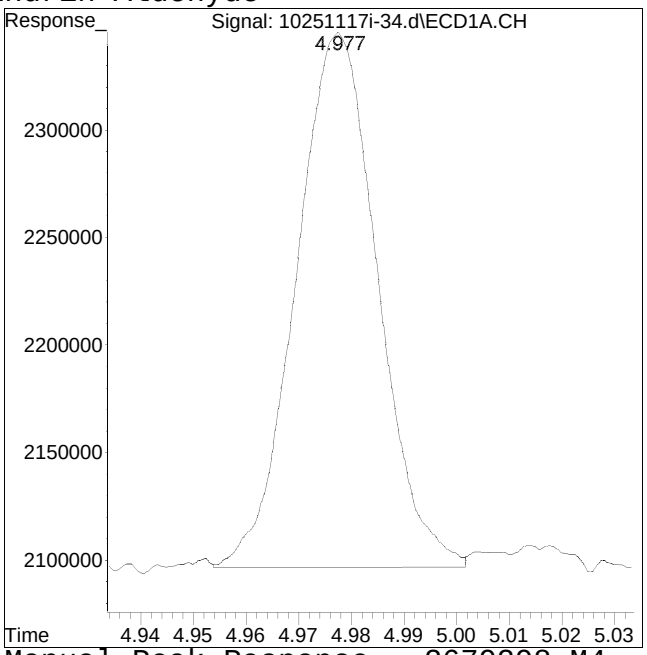
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #22: Endrin Aldehyde



Original Peak Response = 2809936



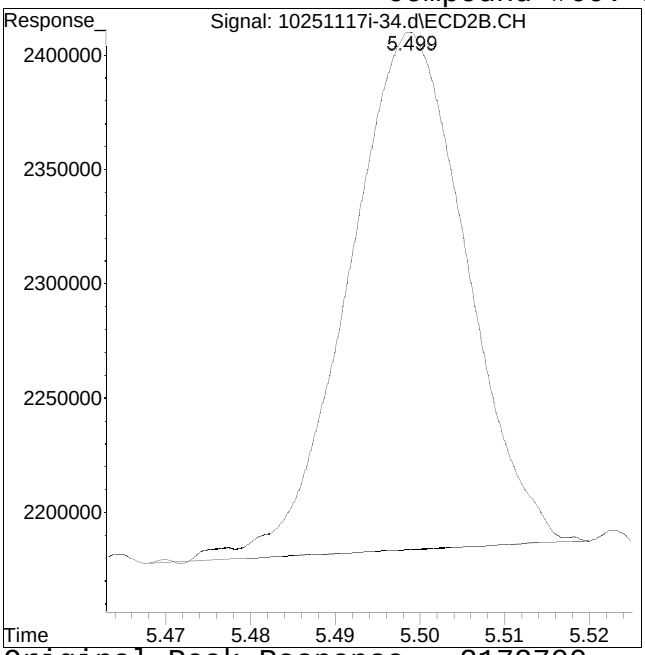
Manual Peak Response = 2679298 M4

M4 = Poor automated baseline construction.

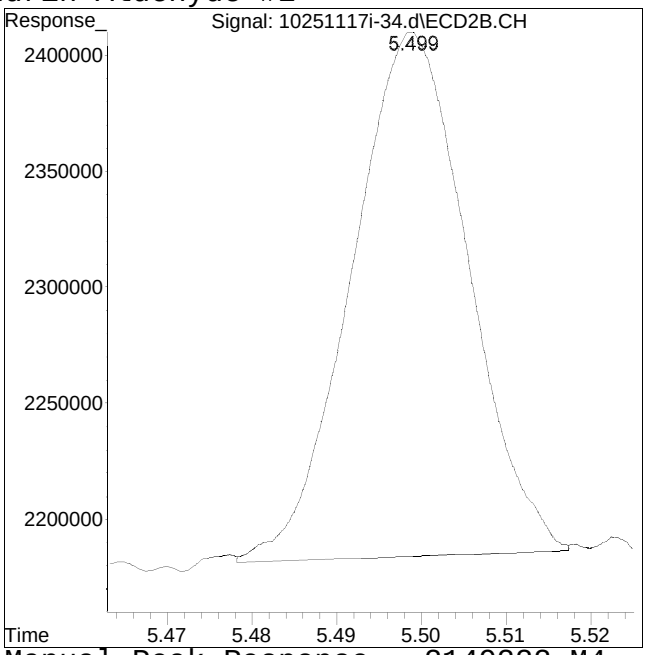
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 2172700



Manual Peak Response = 2149222 M4

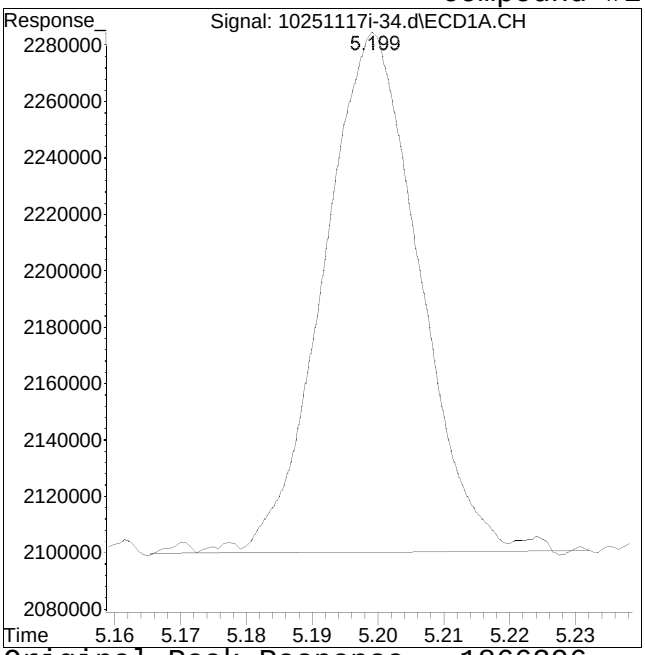
M4 = Poor automated baseline construction.

Manual Integration Report

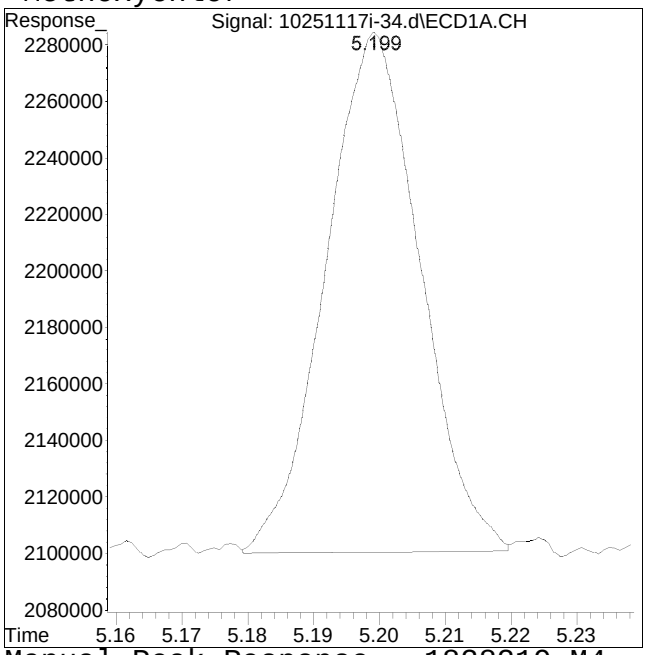
Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-34.d
Date Inj'd : 11/19/2025 13:48
Sample : il3pest,42e,,pp 12310 L0.0

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 9:32 am

Compound #23: Methoxychlor



Original Peak Response = 1866296



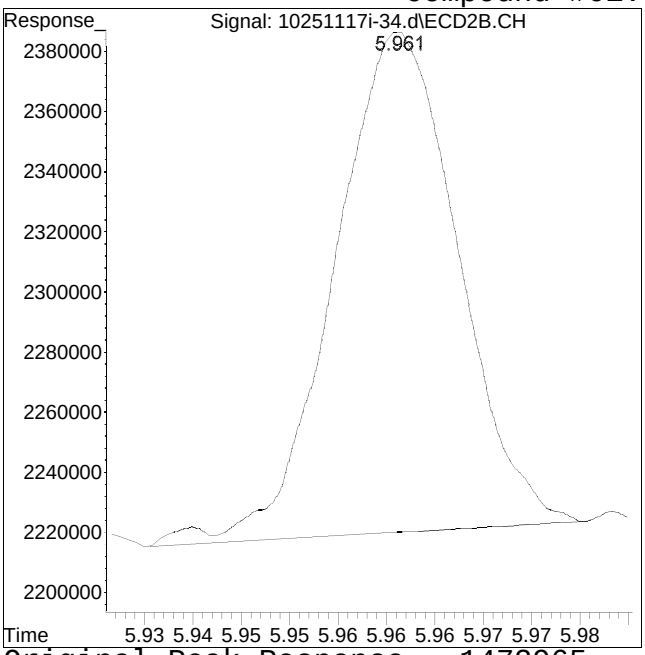
Manual Peak Response = 1828219 M4

M4 = Poor automated baseline construction.

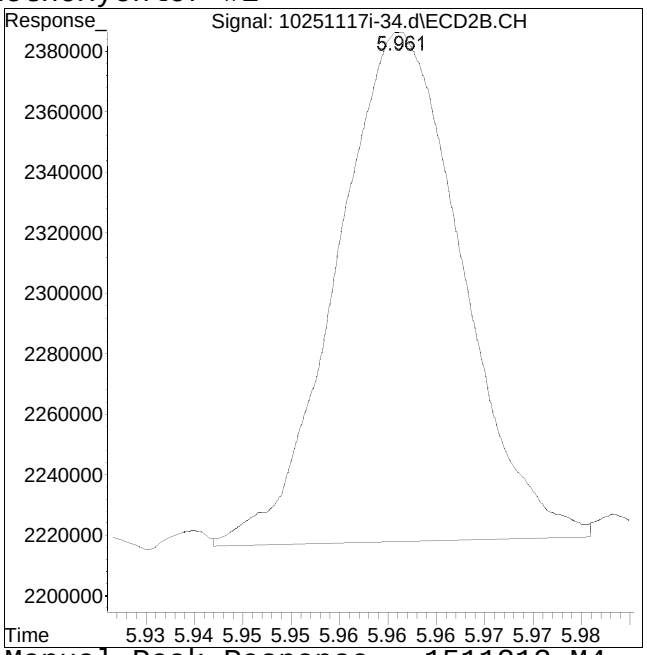
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #61: Methoxychlor #2



Original Peak Response = 1472965



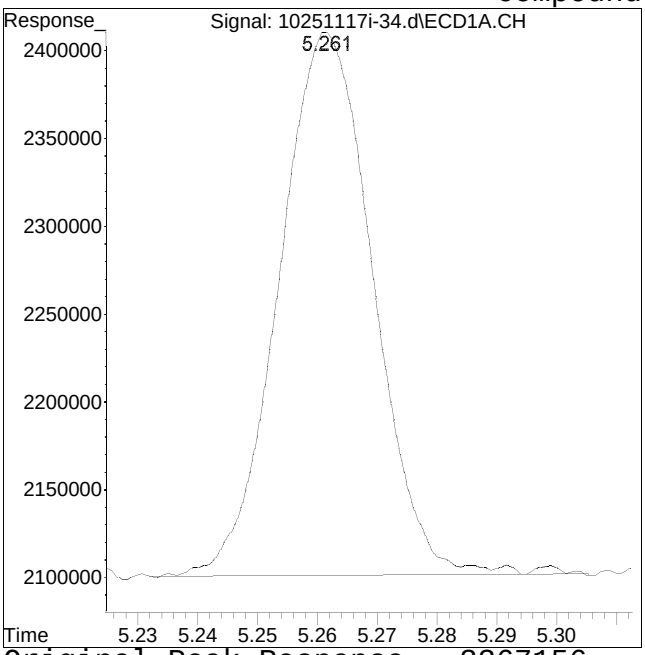
Manual Peak Response = 1511213 M4

M4 = Poor automated baseline construction.

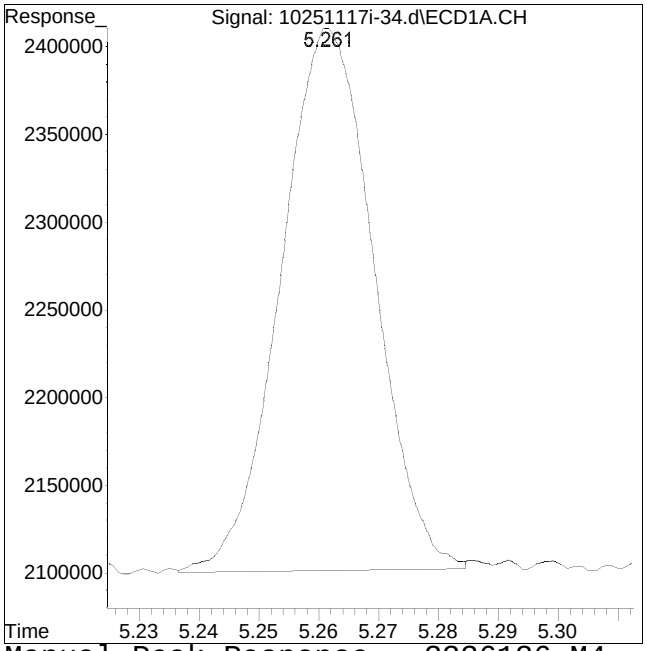
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #24: Mirex



Original Peak Response = 3367156



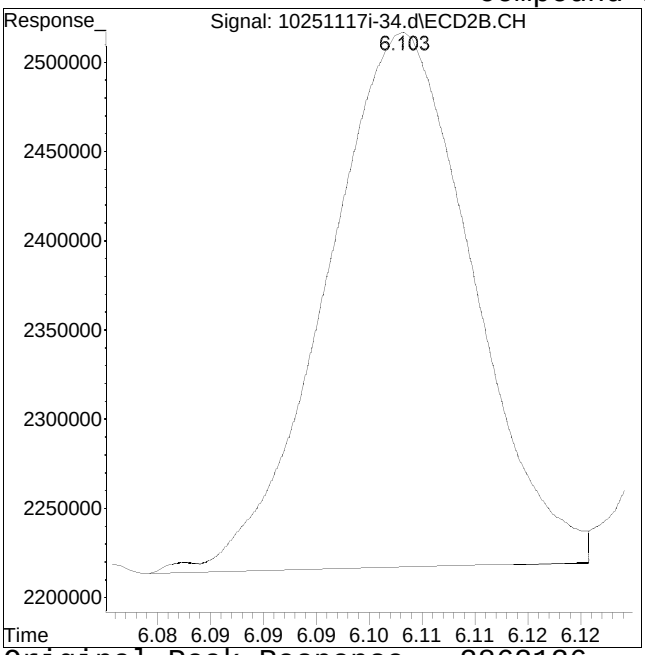
Manual Peak Response = 3336136 M4

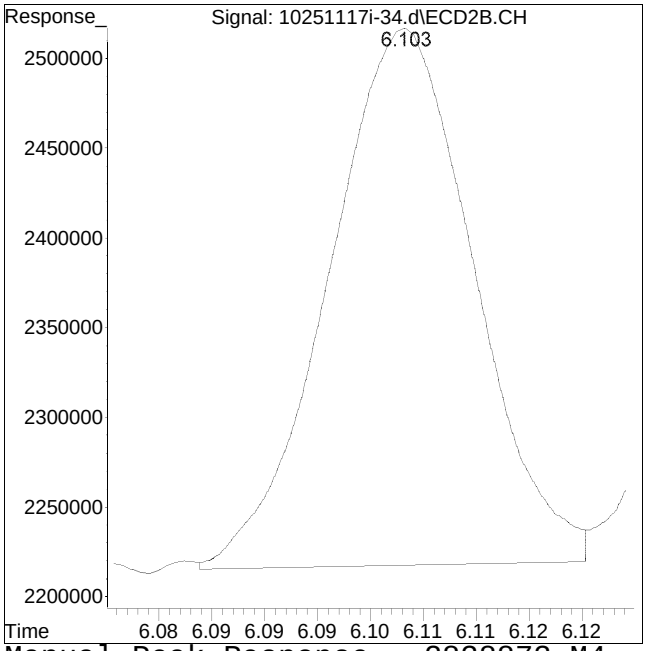
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #62: Mirex #2



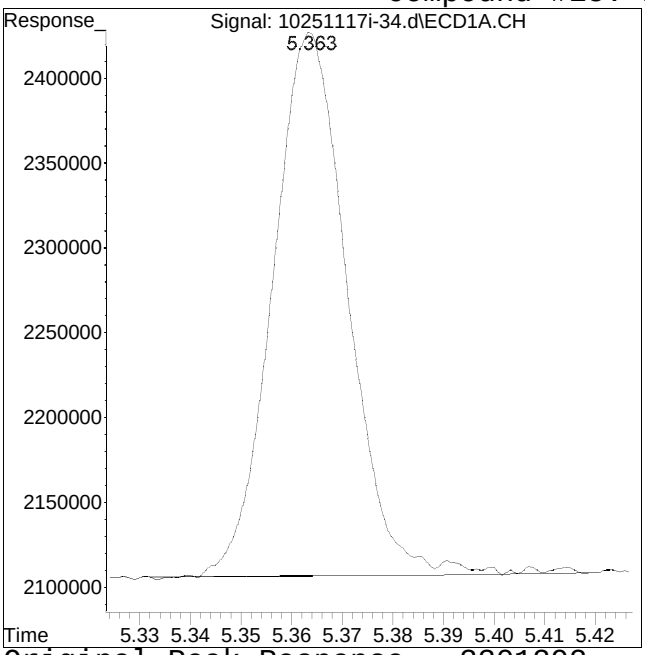


Original Peak Response = 2862126 Manual Peak Response = 2838873 M4
M4 = Poor automated baseline construction.

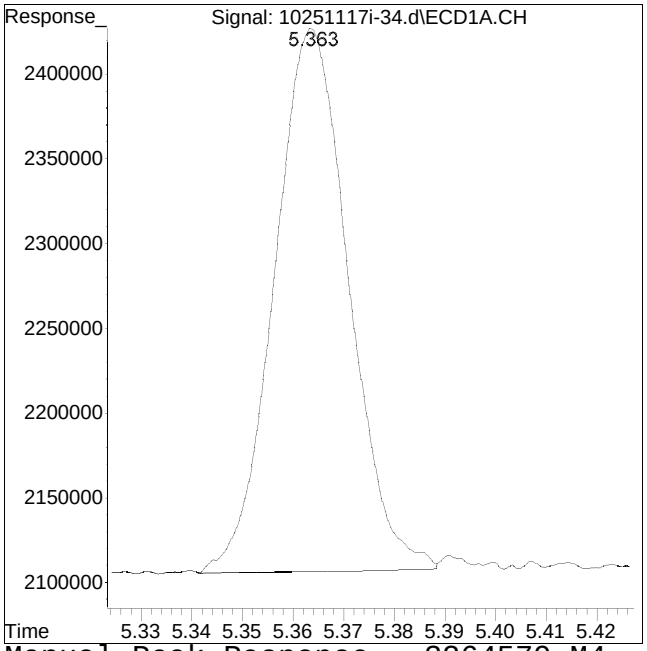
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #25: Endosulfan Sulfate



Original Peak Response = 3301292



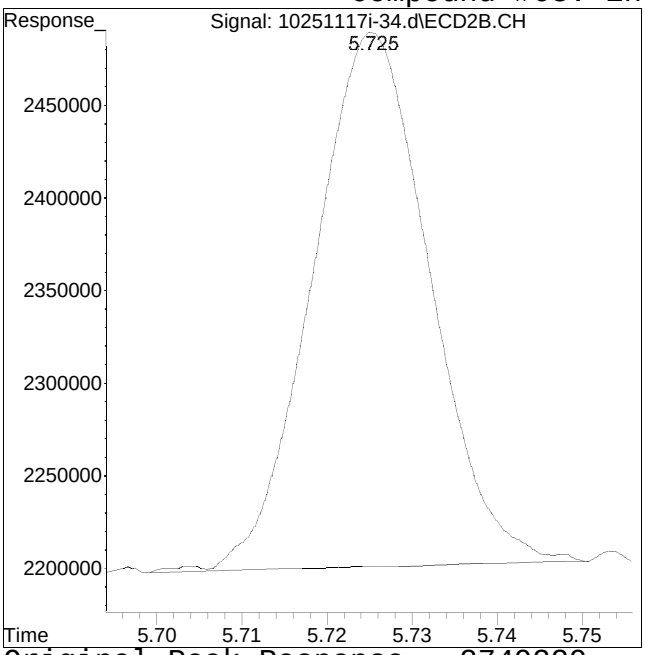
Manual Peak Response = 3264579 M4

M4 = Poor automated baseline construction.

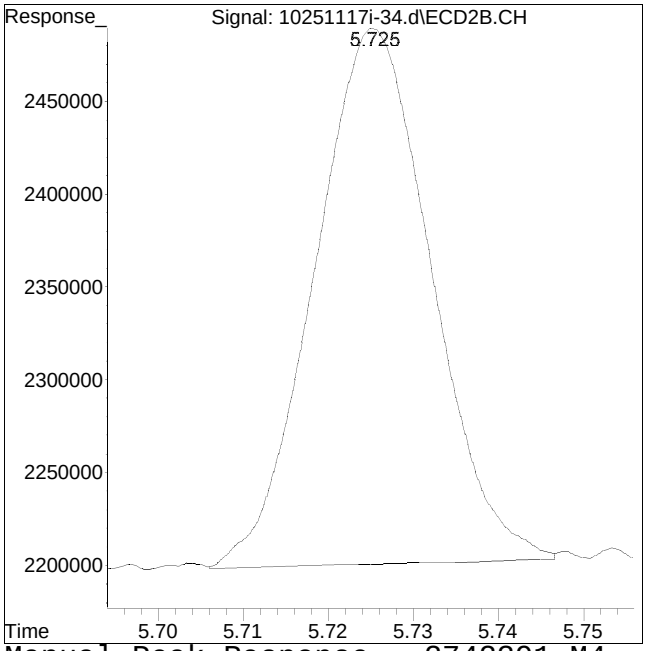
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 2749229



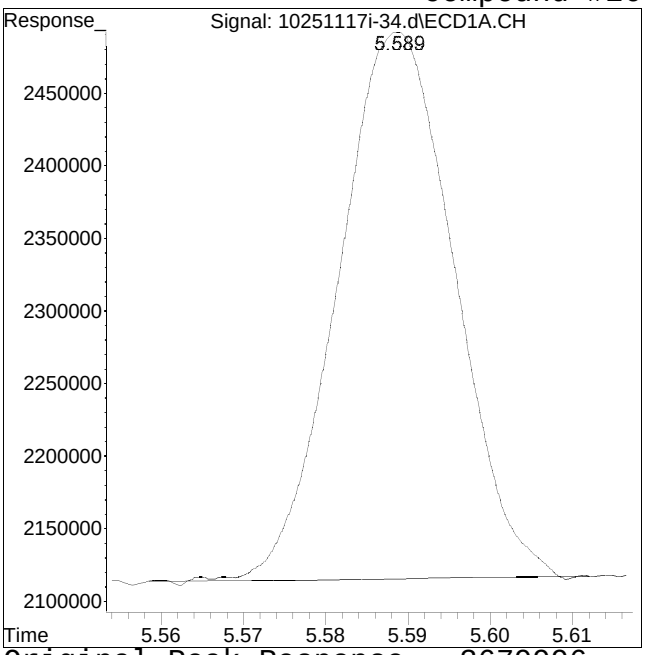
Manual Peak Response = 2742391 M4

M4 = Poor automated baseline construction.

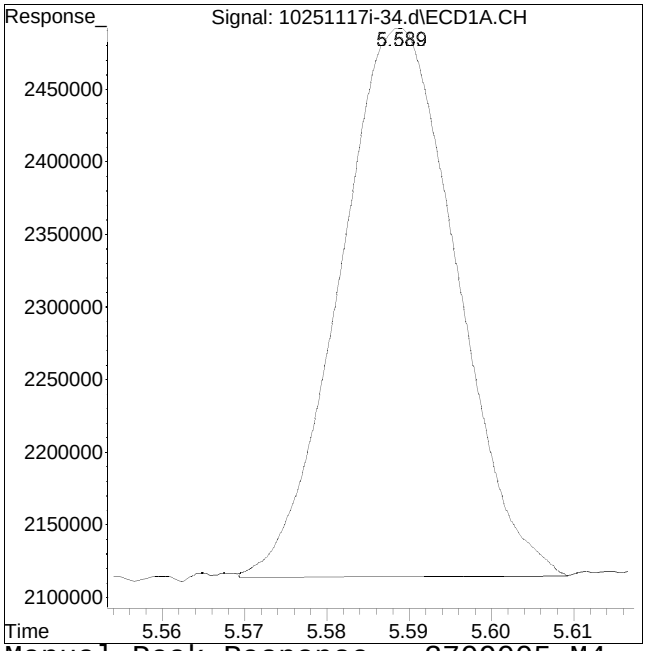
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-34.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 13:48 Instrument : Pest 10
Sample : il3pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:32 am

Compound #26: Endrin Ketone



Original Peak Response = 3679996



Manual Peak Response = 3709005 M4

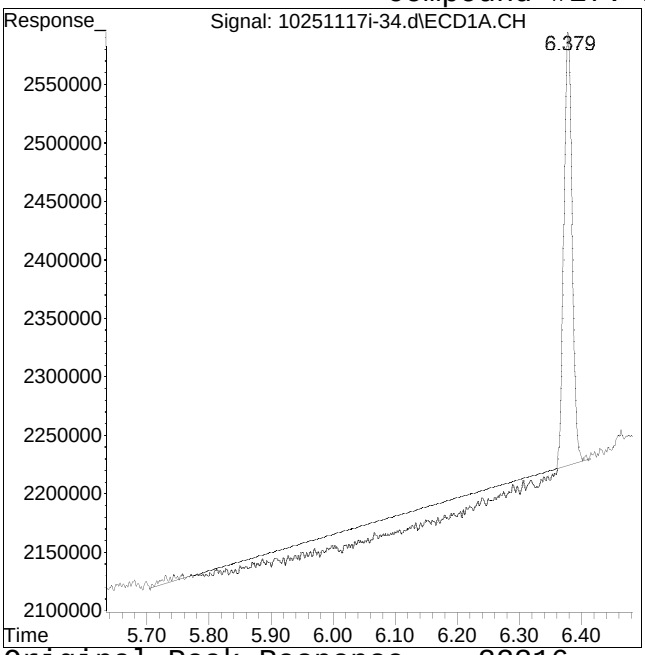
M4 = Poor automated baseline construction.

Manual Integration Report

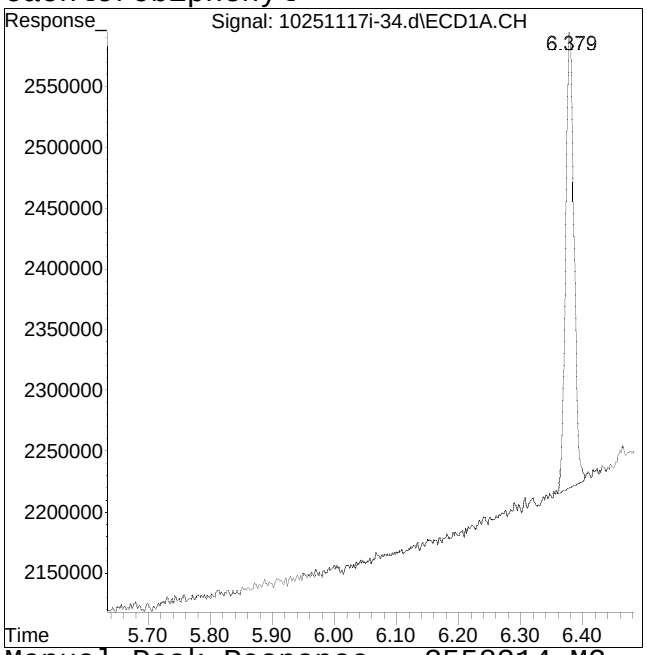
Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-34.d
Date Inj'd : 11/19/2025 13:48
Sample : il3pest,42e,,pp 12310 L0.0

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 9:32 am

Compound #27: Decachlorobiphenyl



Original Peak Response = -22316



Manual Peak Response = 3558314 M2

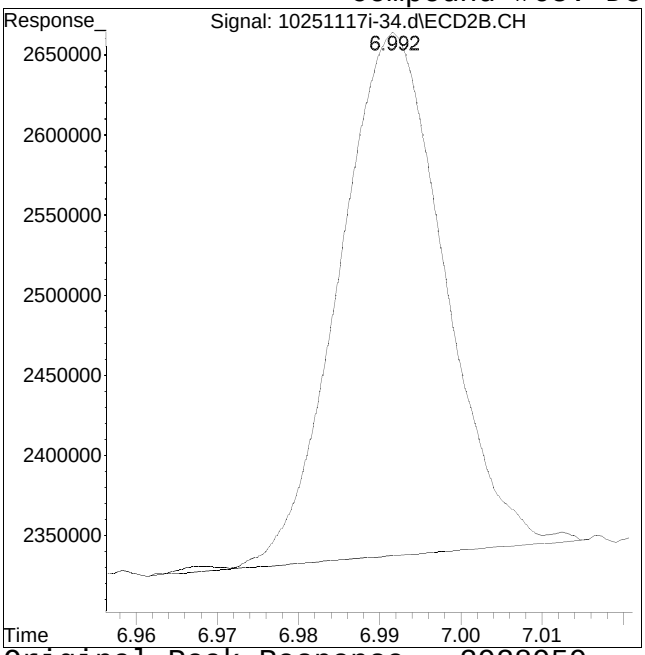
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

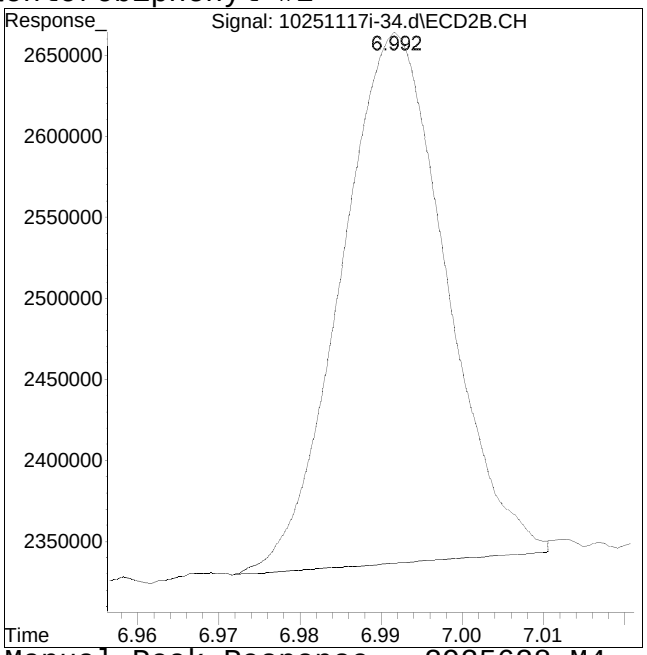
Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-34.d
Date Inj'd : 11/19/2025 13:48
Sample : il3pest,42e,,pp 12310 L0.0

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 9:32 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 2928959



Manual Peak Response = 2925628 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-35.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 14:00
Operator : PEST10:akm
Sample : il4pest,42e,,pp 12310 L0.002
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:23:12 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:23:04 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.361	1.420	61664062	58400041	25.000M4	25.000
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	1.714	1.907	6965771	6013010	2.131M4	2.082
		Spiked Amount 50.000	Range 30 - 150		Recovery =		4.26%#	4.16%#
27)	s	Decachlorobi	6.379	6.992	6682341	5590450	2.351M4	2.270
		Spiked Amount 50.000	Range 30 - 150		Recovery =		4.70%#	4.54%#
		Target Compounds						
3)	t	Hexachlorobe	1.935	2.235	8486406	6966861	2.264M4	2.213
4)	t	alpha-BHC	2.036	2.333	7823358	7064584	1.897M4	1.776
5)	t	gamma-BHC (l	2.245	2.624	7392770	6708705	1.968M4	1.869M4
6)	t	beta-BHC	2.302	2.689	3899537	3680343	2.214M4	2.176M4
7)	t	delta-BHC	2.435	2.962	7127443	6432061	1.917M4	1.800
8)	t	Heptachlor	2.602	3.030	7601895	6698558	2.051M4	1.982
9)	t	Aldrin	2.851	3.356	7248497	6628955	1.956M4	1.906
10)	t	Alachlor	2.976	3.235	1334721	1139398	2.204M4	2.185M4
11)	t	Chlorpyrifos	3.068	3.595	3970747	3711376	2.410M4	2.322M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-35.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 14:00
Operator : PEST10:akm
Sample : il4pest,42e,,pp 12310 L0.002
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:23:12 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:23:04 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.410	3.981	6905574	6135636	2.110M4	1.991
13)	t	gamma-Chlord	3.536	4.204	7385213	6589130	2.022M4	1.957M4
14)	t	alpha-Chlord	3.674	4.370	7578432	6598453	2.090	1.981
15)	t	4,4'-DDE	3.771	4.561	7032325	5923323	1.934	1.792
16)	t	Endosulfan I	3.814	4.430	6927749	6062181	2.086M4	1.999
17)	t	Dieldrin	4.080	4.716	7168268	6082231	2.037	1.899M4
18)	t	Endrin	4.334	5.010	6922111	5918464	2.035	1.944
19)	t	4,4'-DDD	4.436	5.127	5626200	4508327	1.999	1.833
20)	t	Endosulfan I	4.567	5.205	6500972	5382364	2.102M4	1.979M4
21)	t	4,4'-DDT	4.722	5.402	5820412	4800007	2.019	1.956
22)	t	Endrin Aldeh	4.977	5.499	4987661	4176247	2.079M4	1.964M4
23)	t	Methoxychlor	5.199	5.961	3473171	2890975	2.193M4	2.177M4
24)	t	Mirex	5.261	6.103	6239072	5183749	2.376M4	2.328
25)	t	Endosulfan S	5.364	5.725	6196347	5205049	2.203M4	2.071M4
26)	t	Endrin Keton	5.589	6.136	7011871	5799253	2.149M4	2.040
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	chlordane-1			0	0	N.D.	N.D.
Average		chlordane-1					0.000	0.000
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-35.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 14:00
Operator : PEST10:akm
Sample : il4pest,42e,,pp 12310 L0.002
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:23:12 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:23:04 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

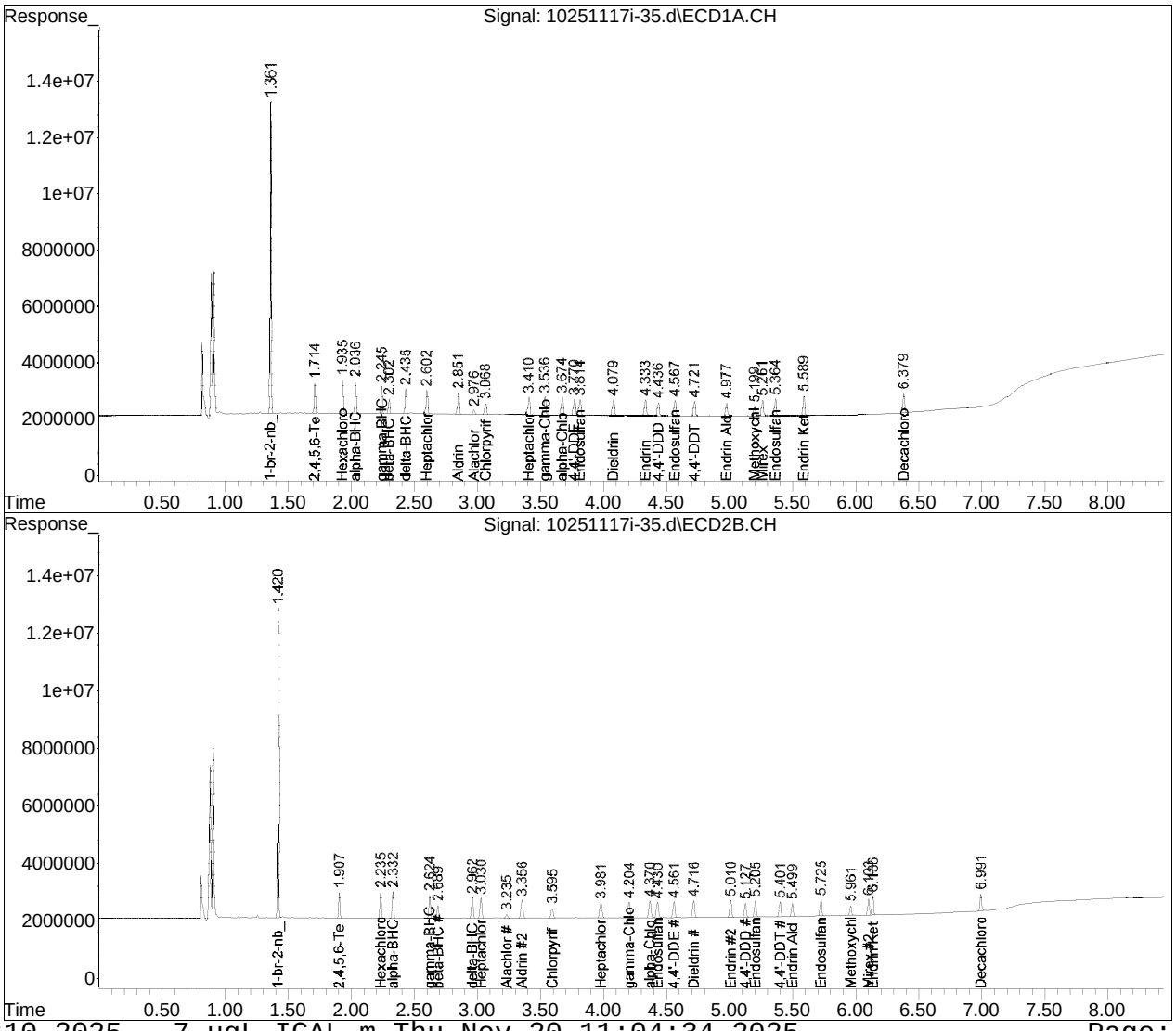
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-35.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 14:00
Operator : PEST10:akm
Sample : il4pest,42e,,pp 12310 L0.002
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:23:12 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:23:04 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

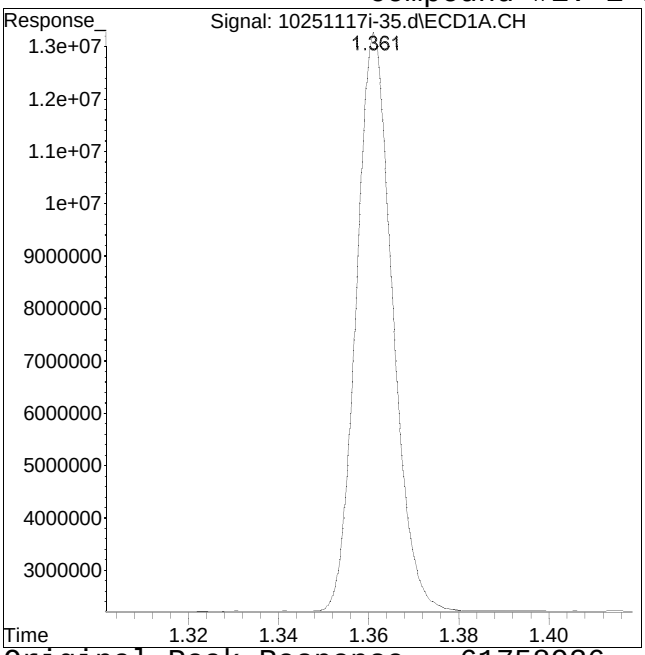
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



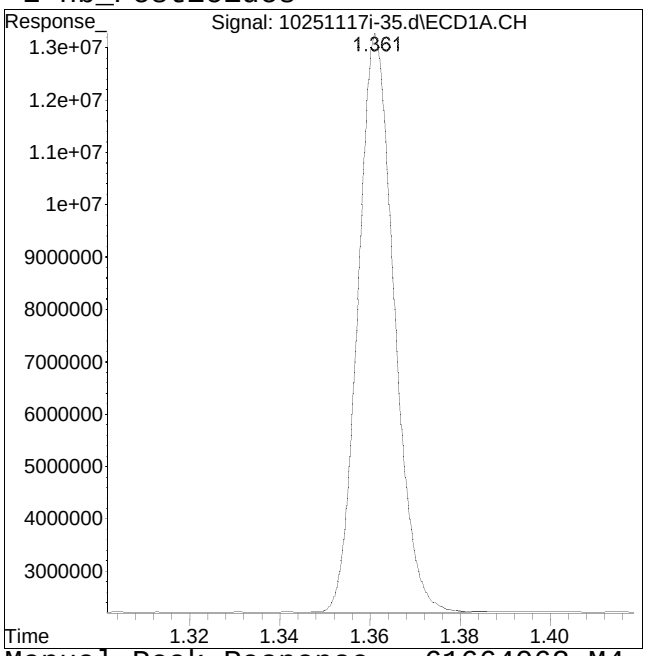
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 61758936



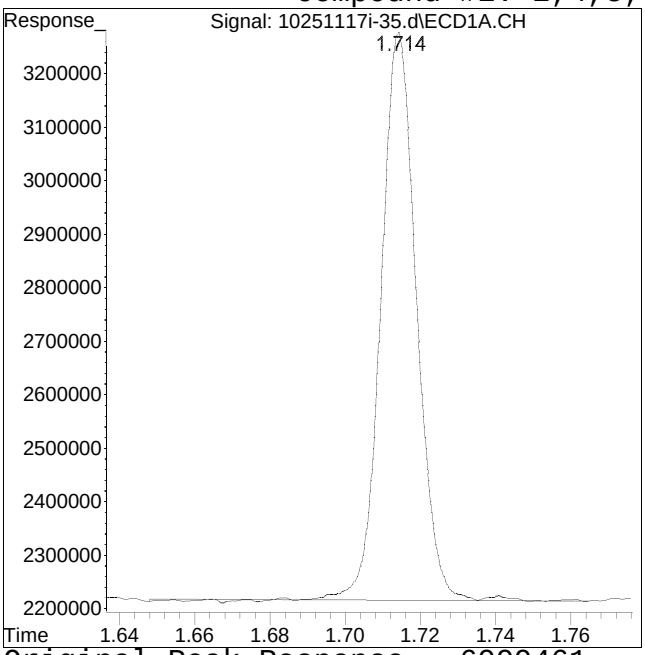
Manual Peak Response = 61664062 M4

M4 = Poor automated baseline construction.

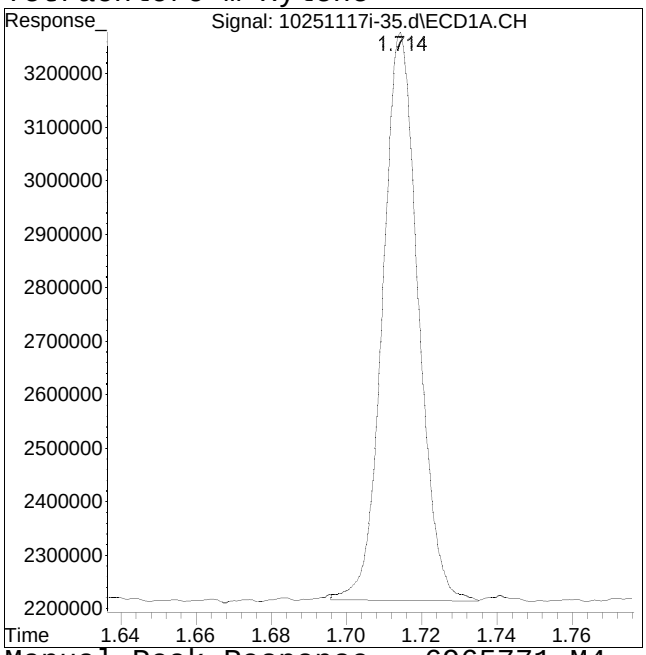
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 6999461



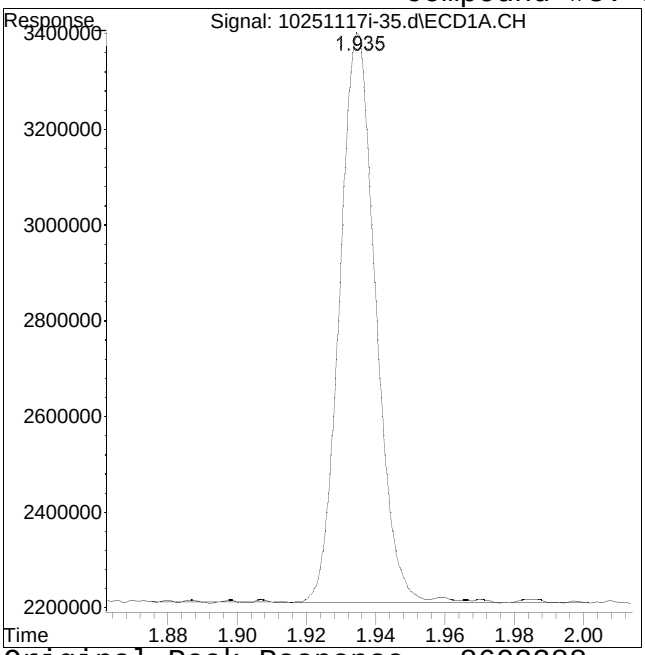
Manual Peak Response = 6965771 M4

M4 = Poor automated baseline construction.

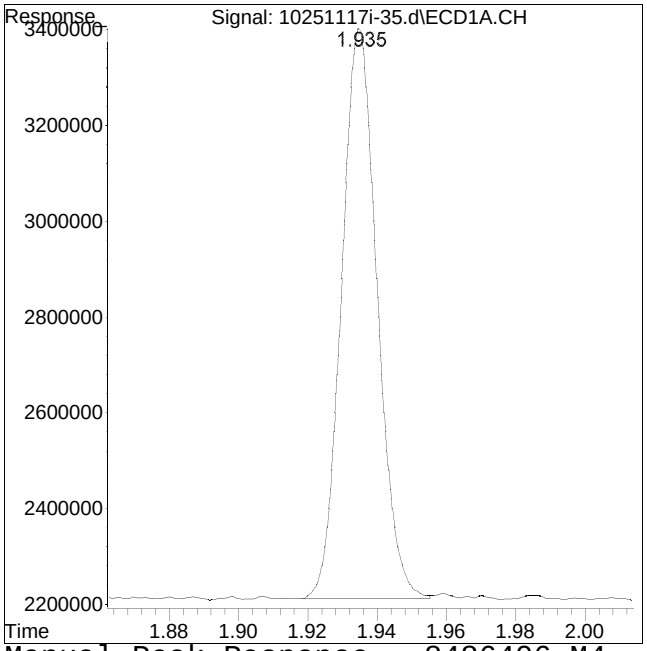
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #3: Hexachlorobenzene



Original Peak Response = 8602288



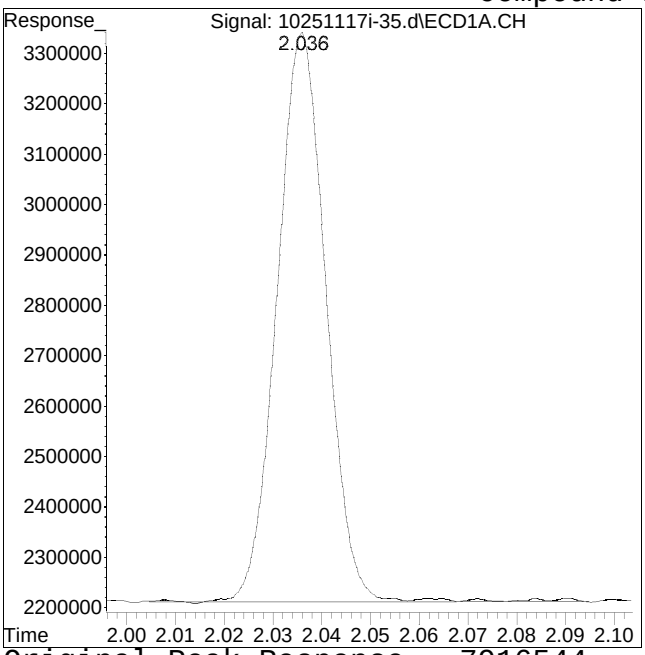
Manual Peak Response = 8486406 M4

M4 = Poor automated baseline construction.

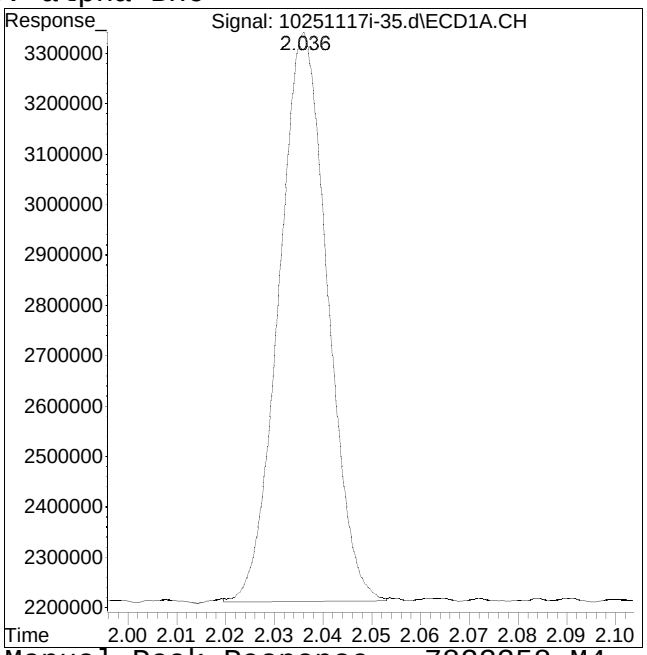
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #4: alpha-BHC



Original Peak Response = 7916544



Manual Peak Response = 7823358 M4

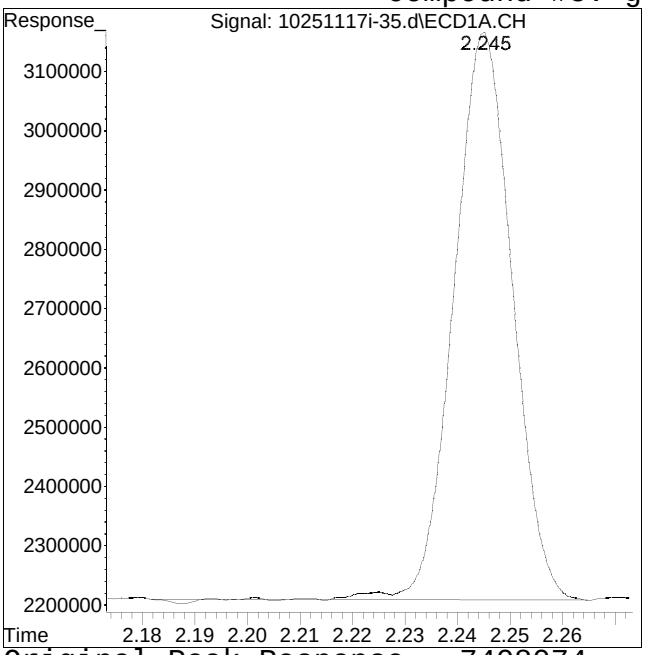
M4 = Poor automated baseline construction.

Manual Integration Report

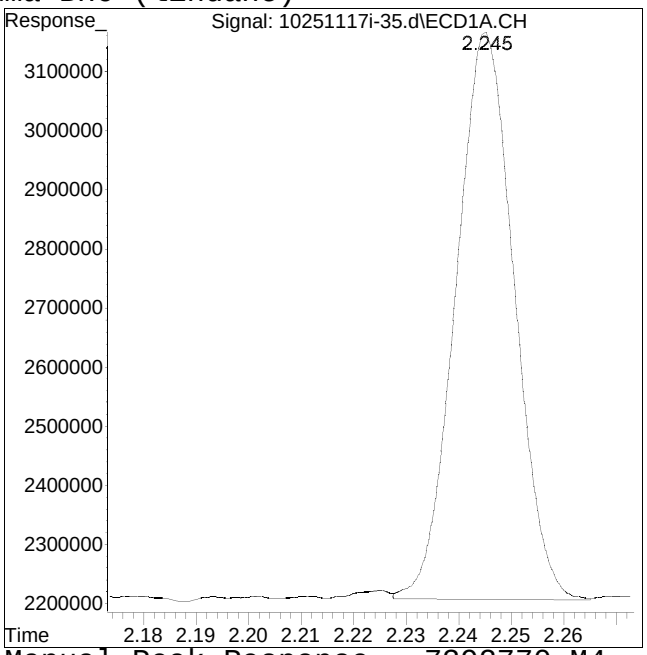
Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-35.d
Date Inj'd : 11/19/2025 14:00
Sample : il4pest,42e,,pp 12310 L0.0

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 9:23 am

Compound #5: gamma-BHC (lindane)



Original Peak Response = 7408074



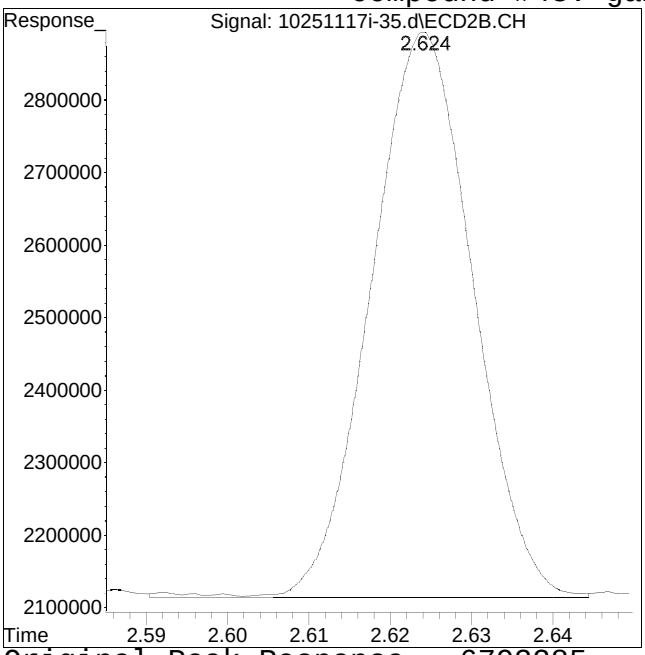
Manual Peak Response = 7392770 M4

M4 = Poor automated baseline construction.

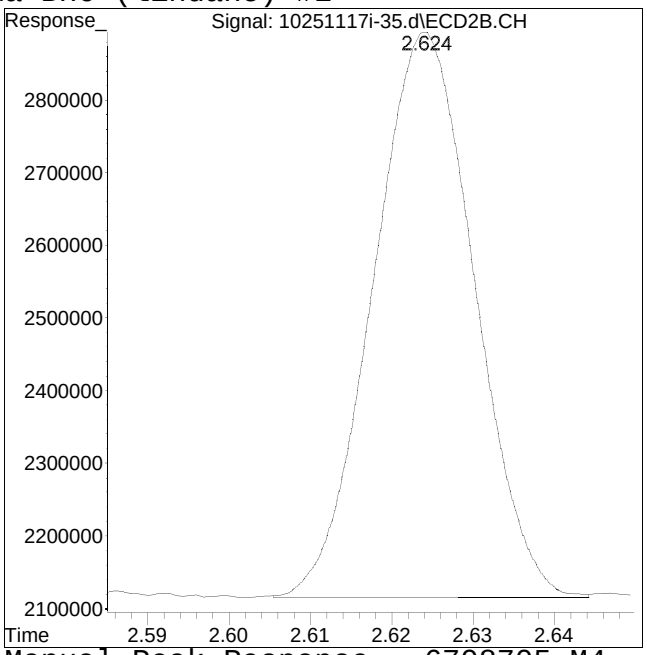
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 6793285



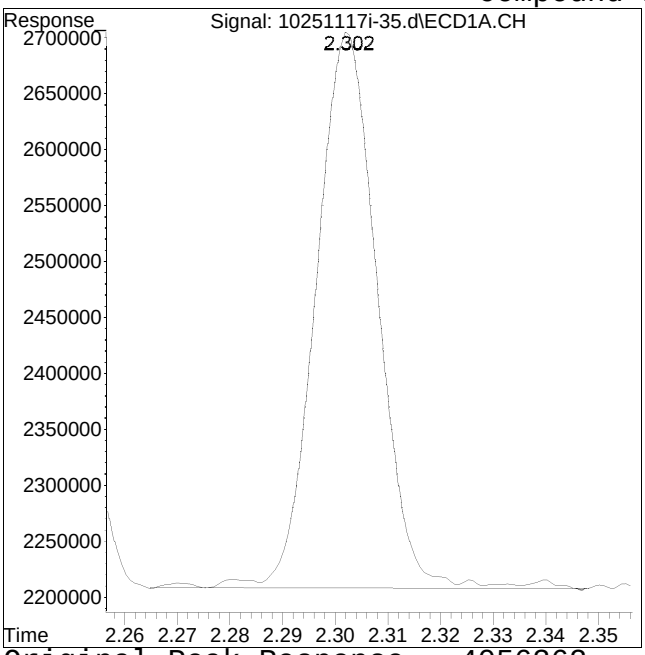
Manual Peak Response = 6708705 M4

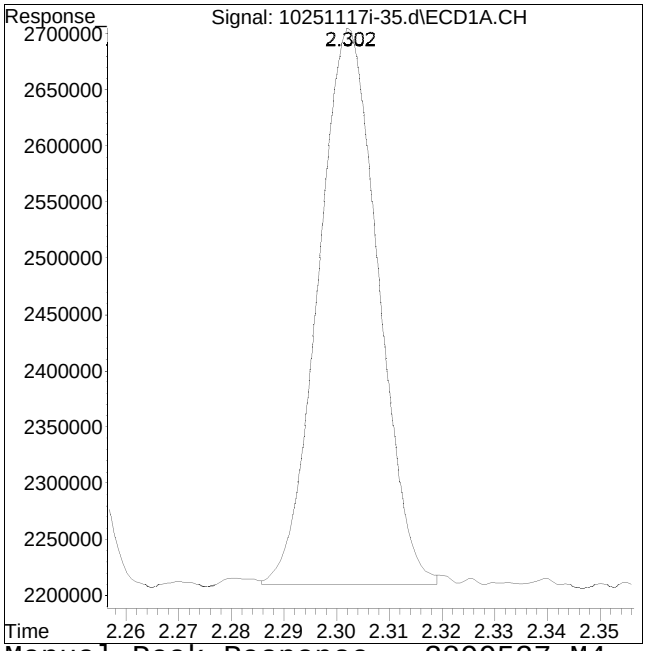
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #6: beta-BHC



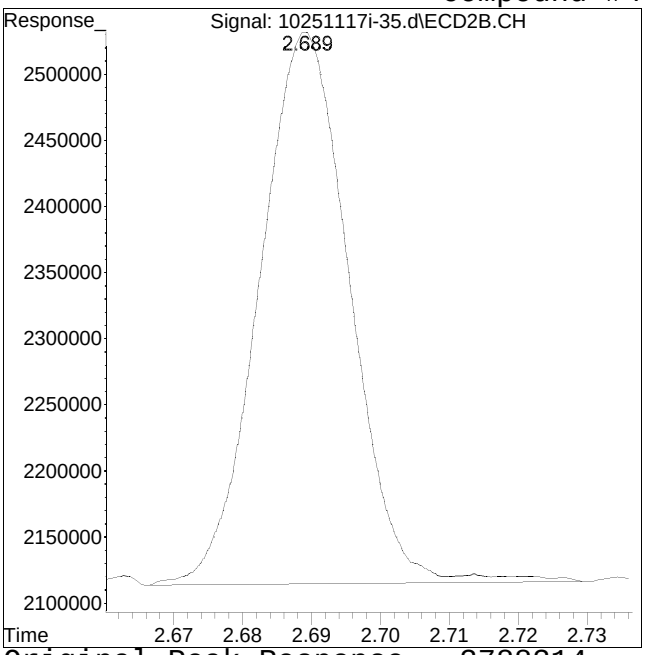


Original Peak Response = 4056362 Manual Peak Response = 3899537 M4
M4 = Poor automated baseline construction.

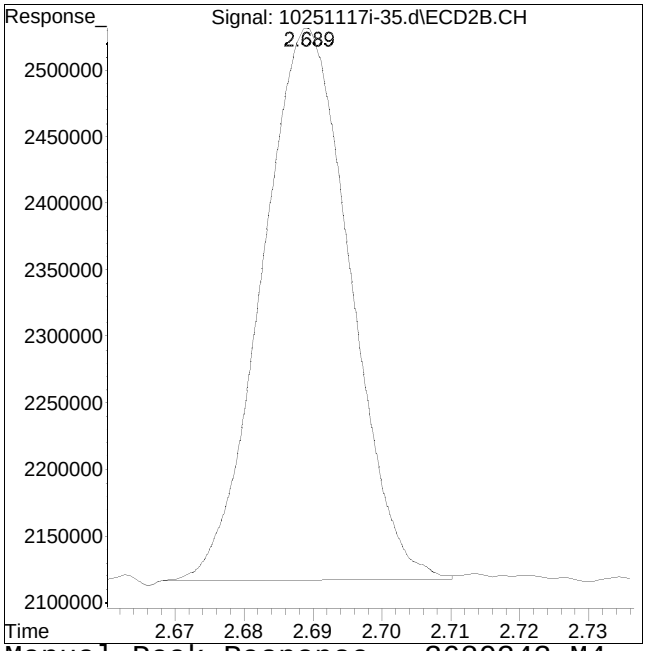
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #44: beta-BHC #2



Original Peak Response = 3788314



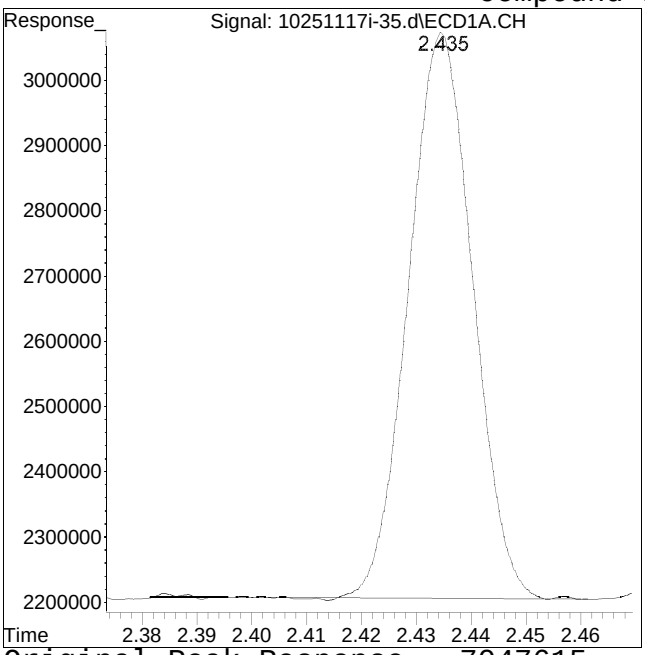
Manual Peak Response = 3680343 M4

M4 = Poor automated baseline construction.

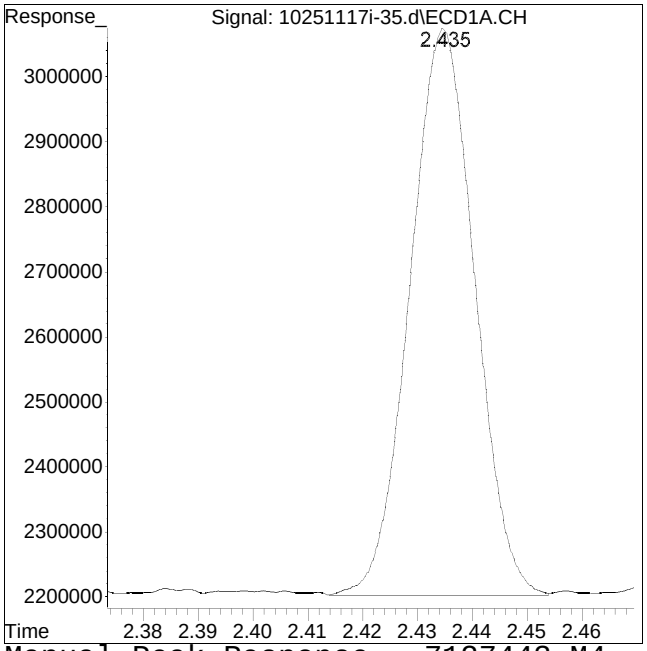
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #7: delta-BHC



Original Peak Response = 7047615



Manual Peak Response = 7127443 M4

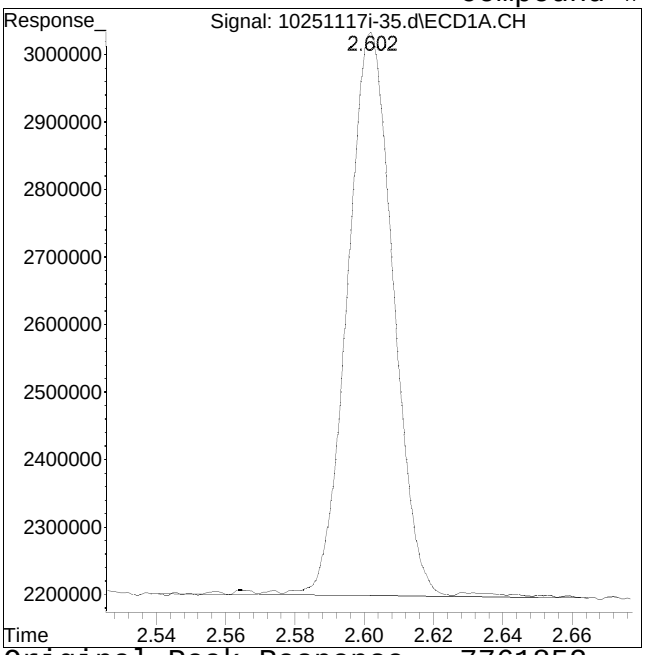
M4 = Poor automated baseline construction.

Manual Integration Report

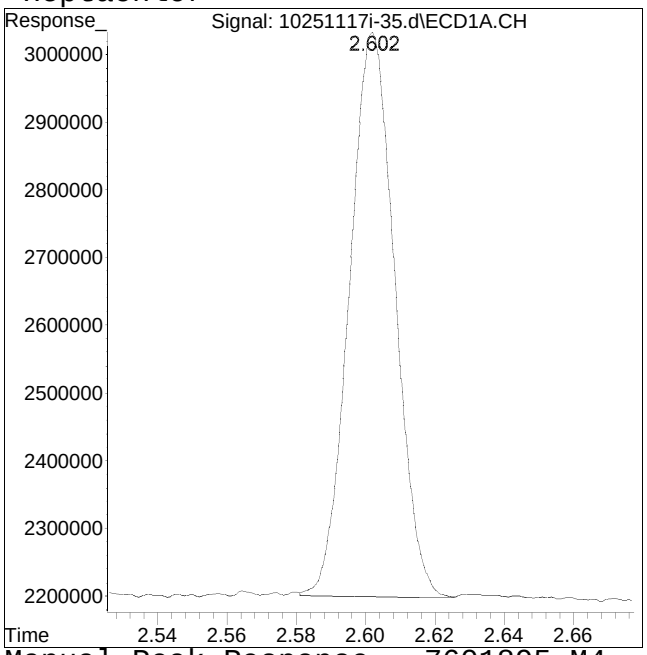
Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-35.d
Date Inj'd : 11/19/2025 14:00
Sample : il4pest,42e,,pp 12310 L0.0

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 9:23 am

Compound #8: Heptachlor



Original Peak Response = 7761852



Manual Peak Response = 7601895 M4

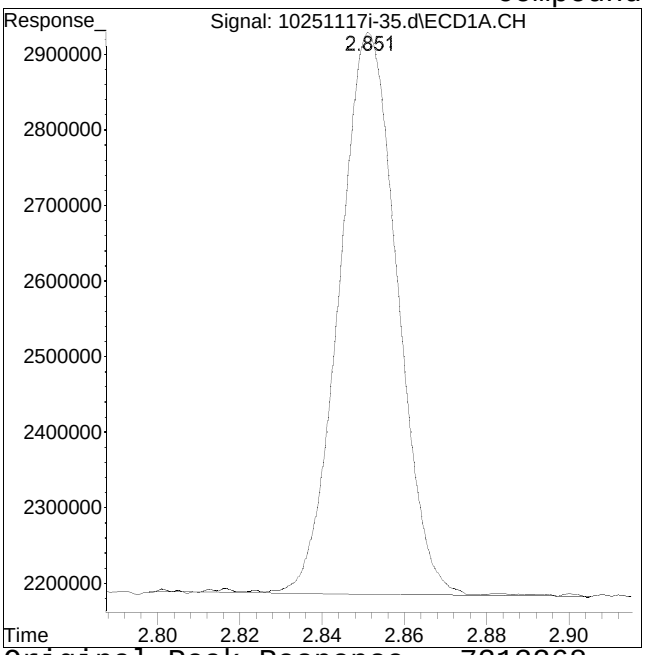
M4 = Poor automated baseline construction.

Manual Integration Report

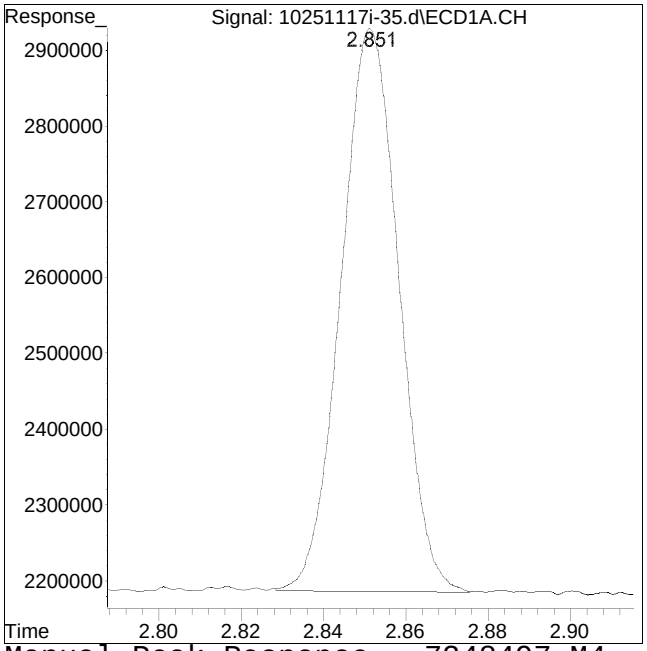
Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-35.d
Date Inj'd : 11/19/2025 14:00
Sample : il4pest,42e,,pp 12310 L0.0

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 9:23 am

Compound #9: Aldrin



Original Peak Response = 7313268



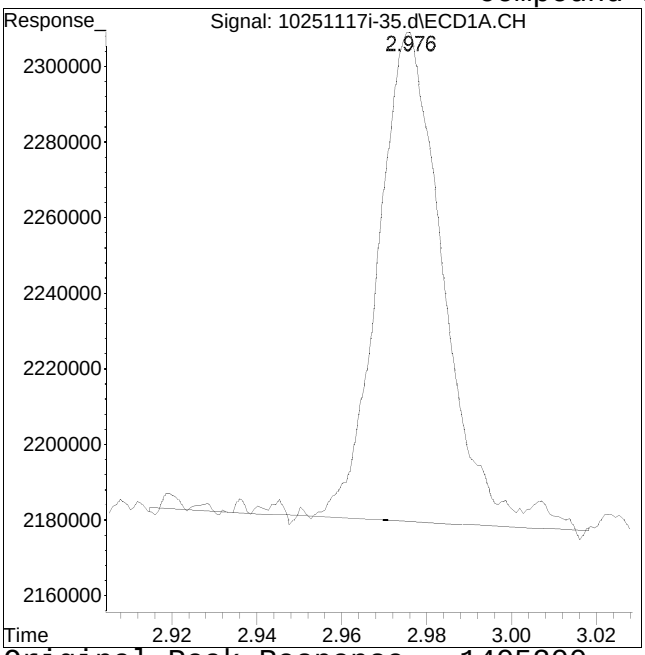
Manual Peak Response = 7248497 M4

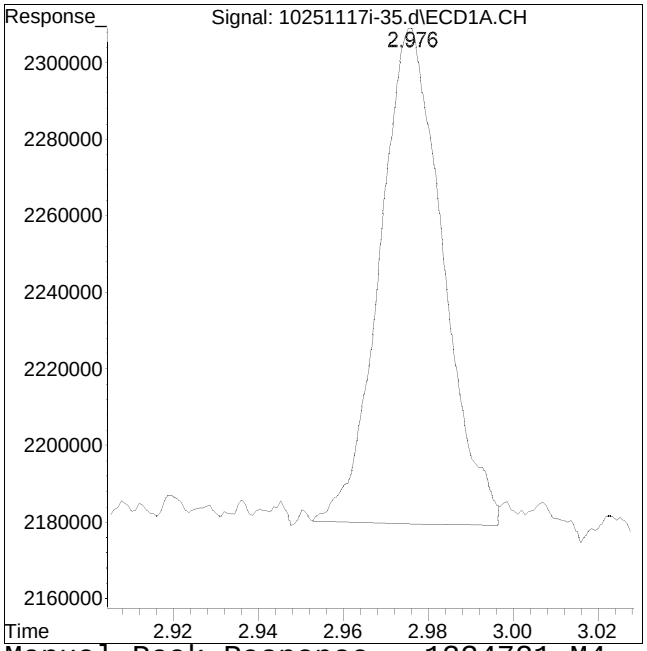
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #10: Alachlor



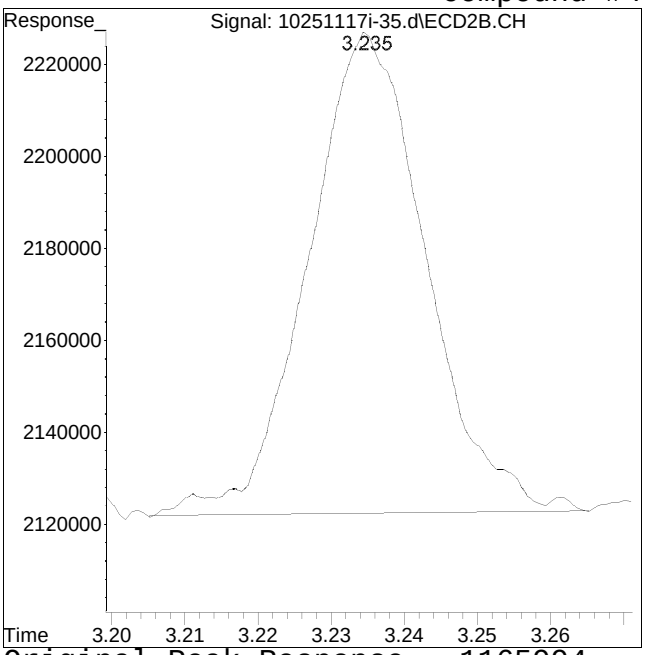


Original Peak Response = 1405200 Manual Peak Response = 1334721 M4
M4 = Poor automated baseline construction.

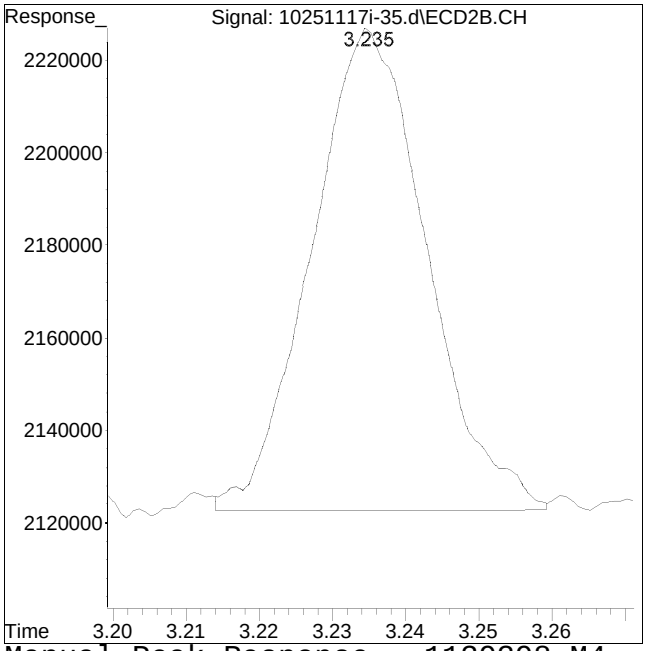
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #48: Alachlor #2



Original Peak Response = 1165994



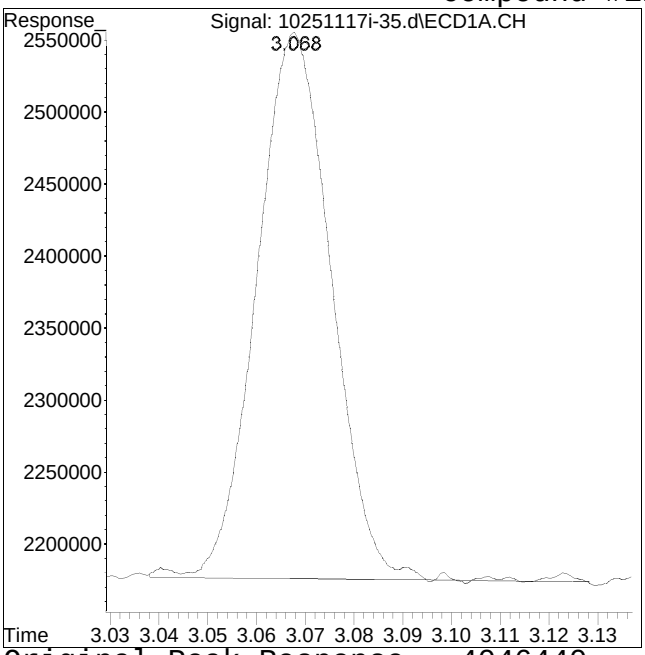
Manual Peak Response = 1139398 M4

M4 = Poor automated baseline construction.

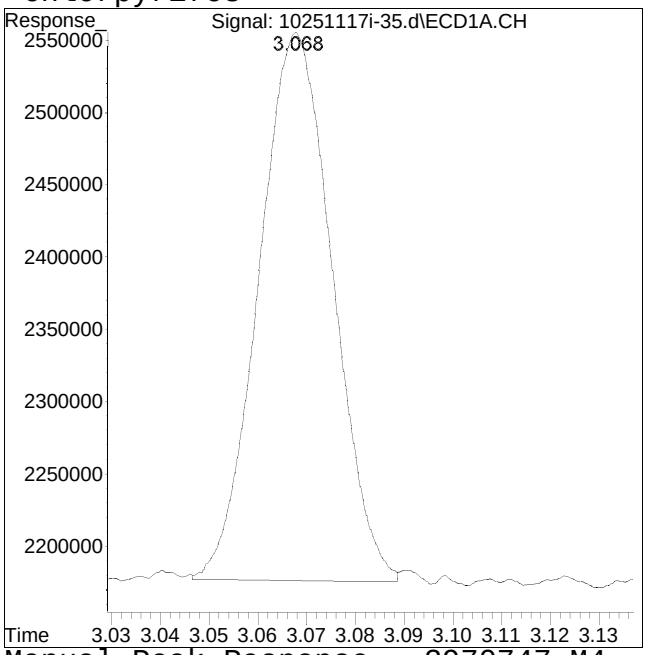
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #11: Chlorpyrifos



Original Peak Response = 4046440



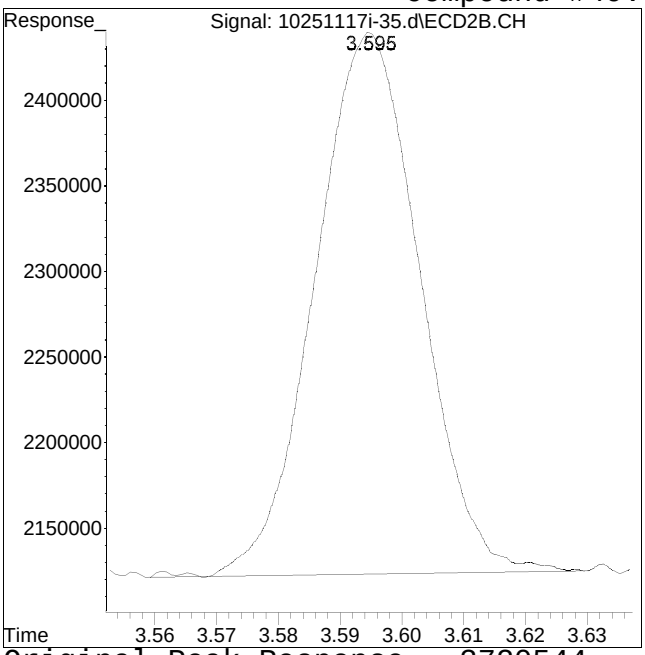
Manual Peak Response = 3970747 M4

M4 = Poor automated baseline construction.

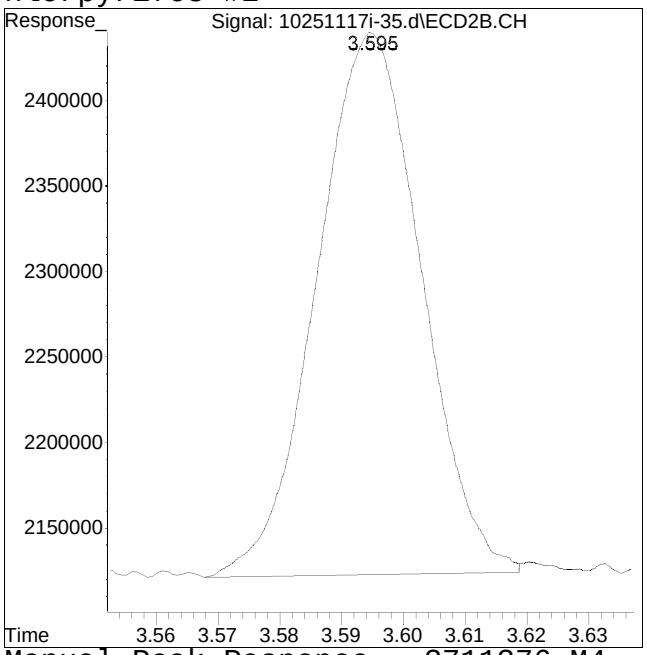
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 3720544



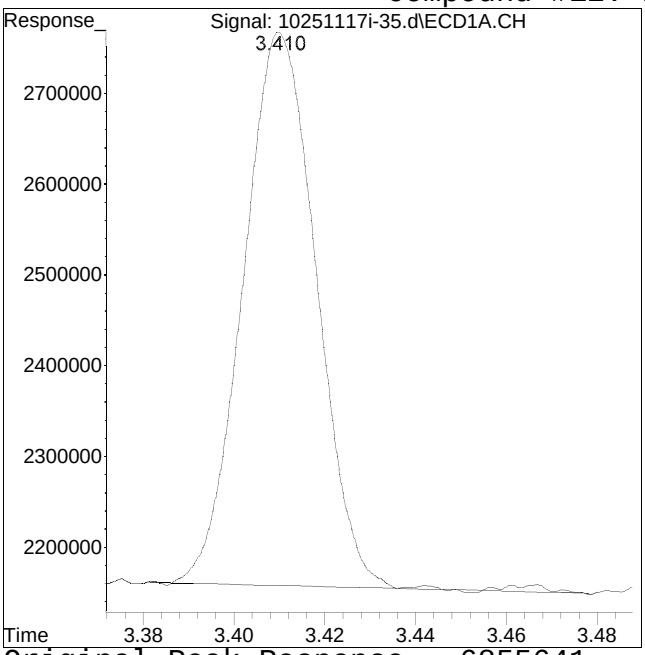
Manual Peak Response = 3711376 M4

M4 = Poor automated baseline construction.

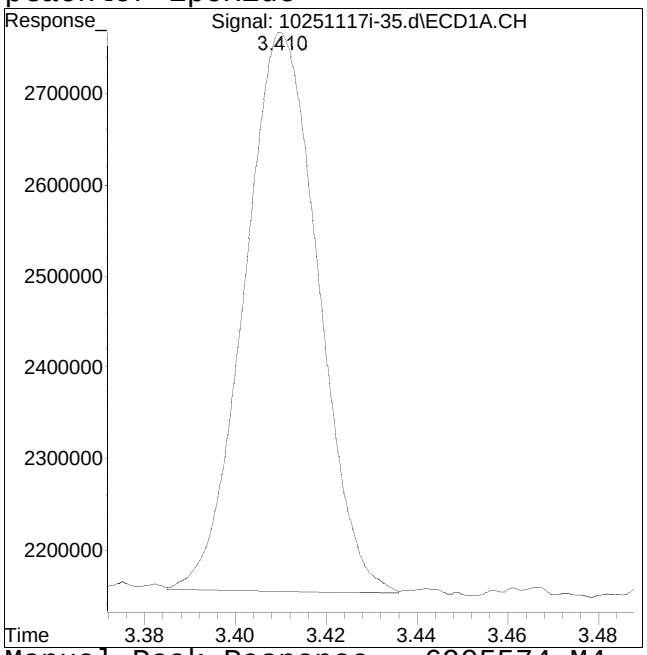
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #12: Heptachlor Epoxide



Original Peak Response = 6855641



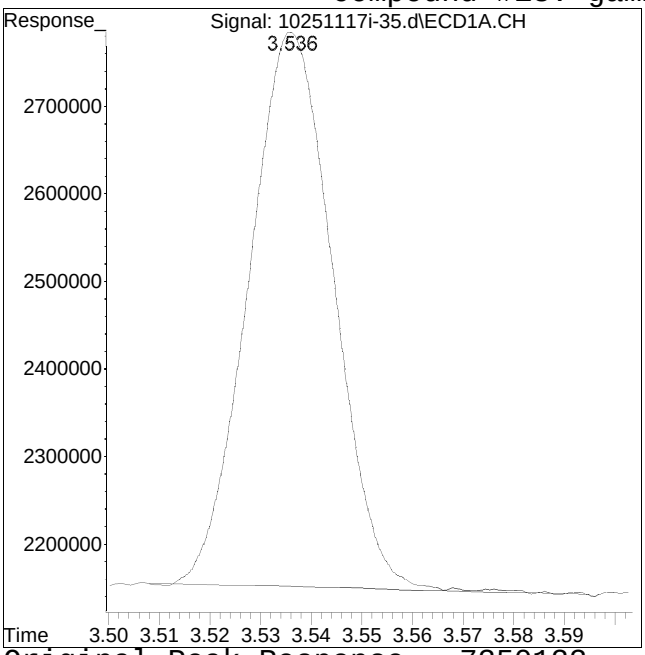
Manual Peak Response = 6905574 M4

M4 = Poor automated baseline construction.

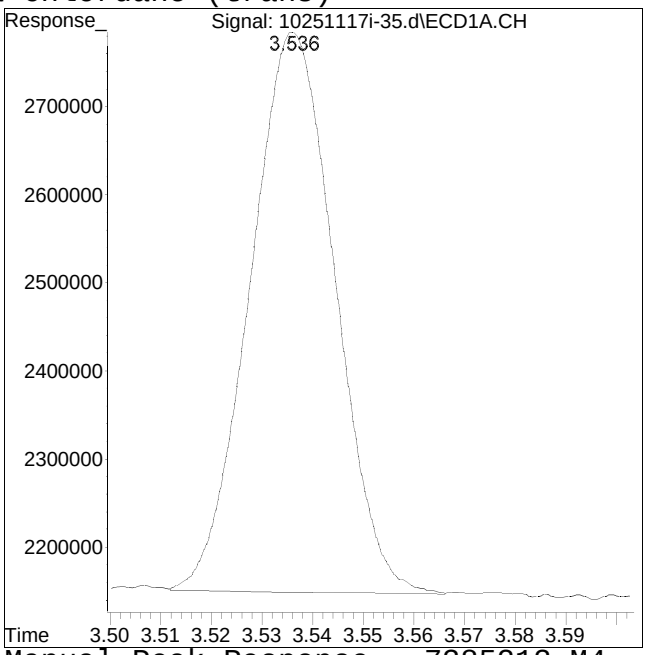
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 7350123



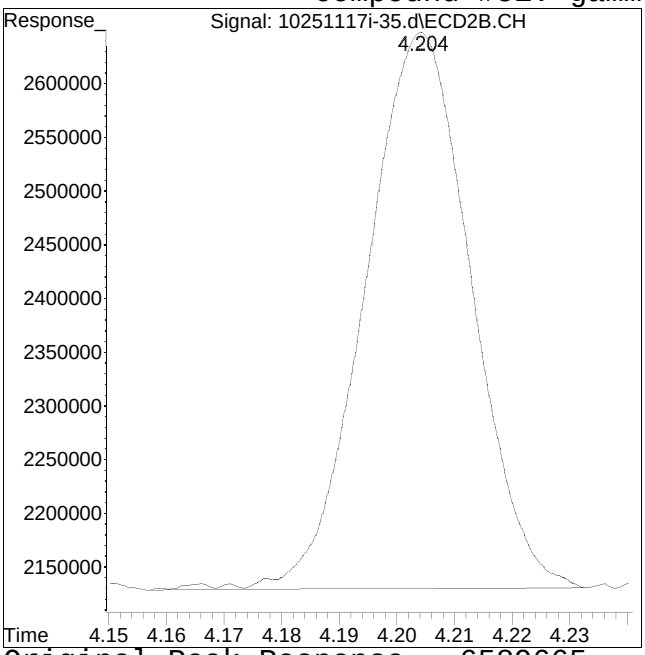
Manual Peak Response = 7385213 M4

M4 = Poor automated baseline construction.

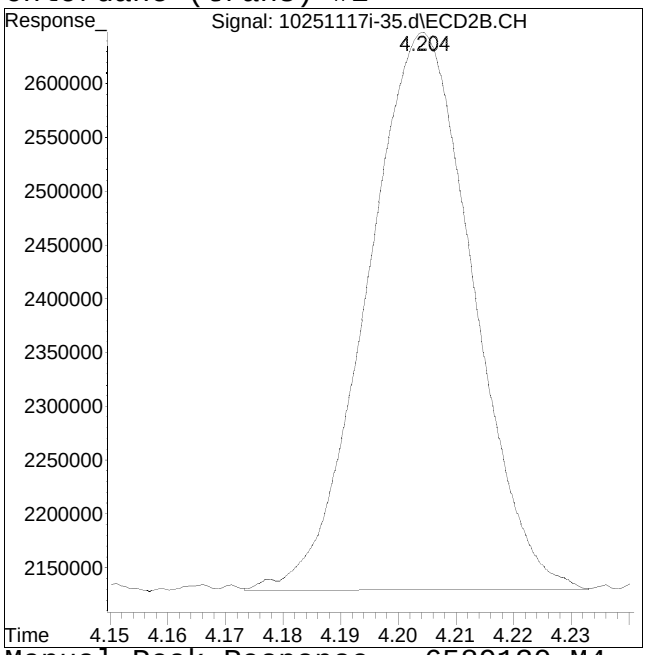
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 6589665



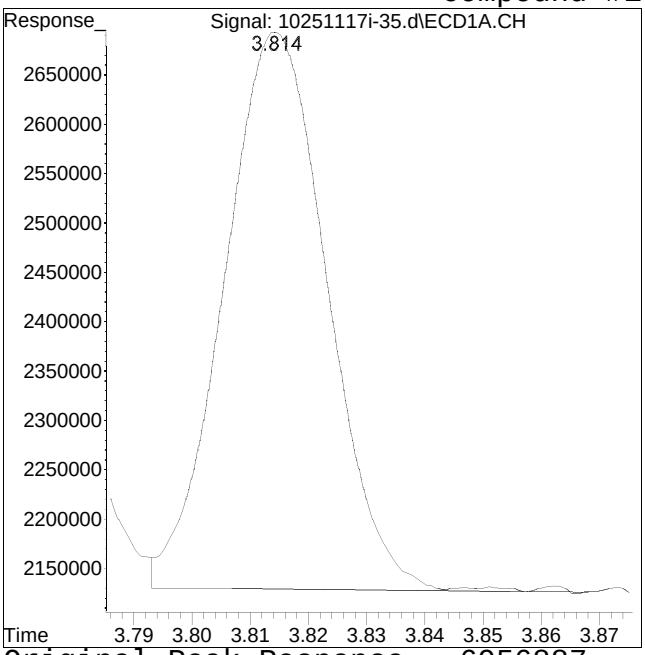
Manual Peak Response = 6589130 M4

M4 = Poor automated baseline construction.

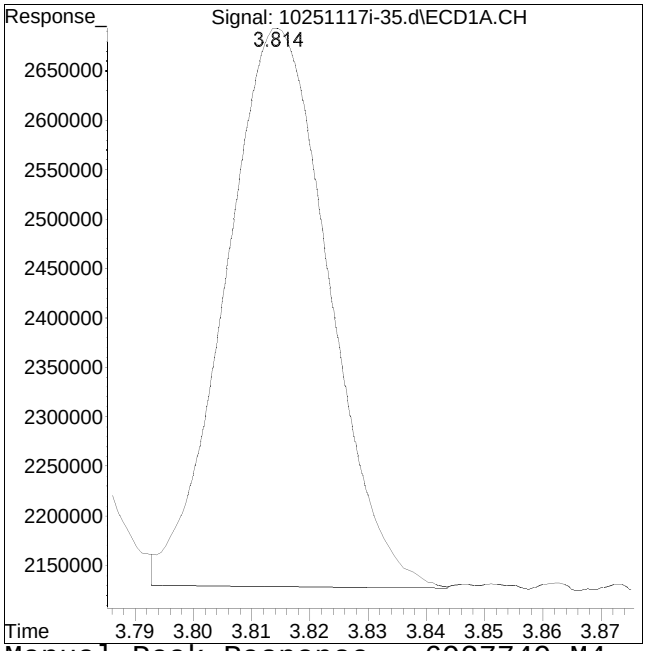
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #16: Endosulfan I



Original Peak Response = 6956887



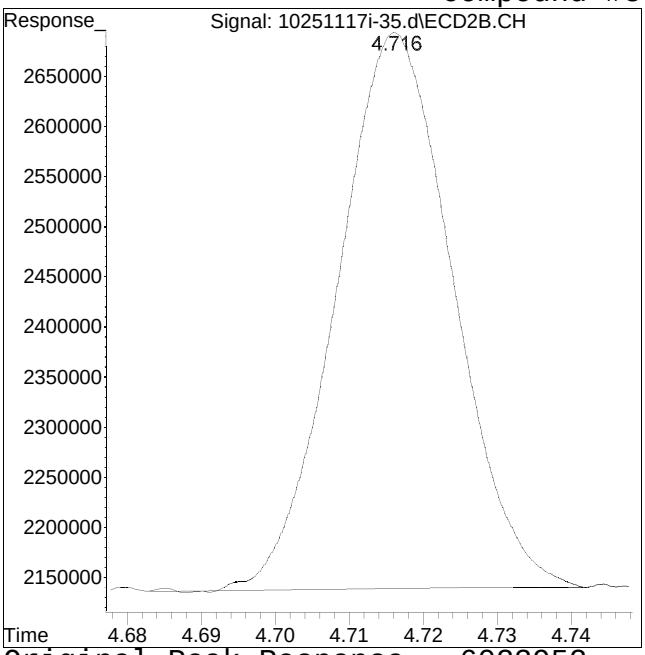
Manual Peak Response = 6927749 M4

M4 = Poor automated baseline construction.

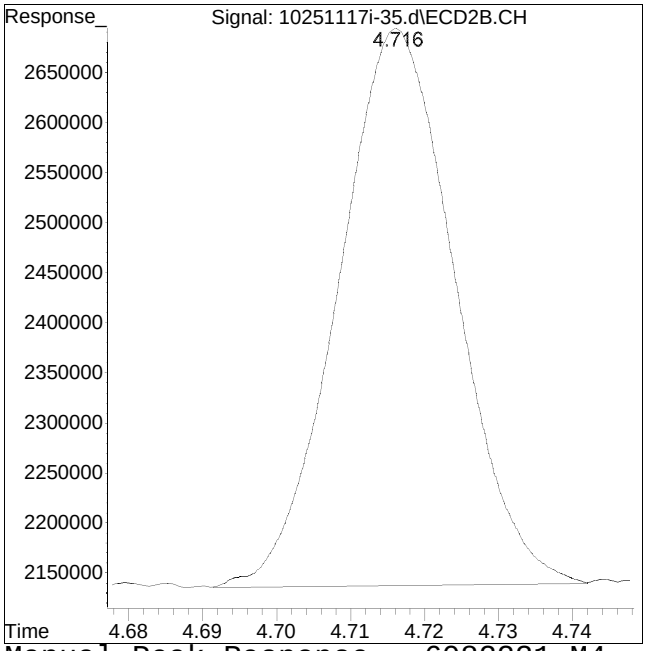
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #55: Dieldrin #2



Original Peak Response = 6023952



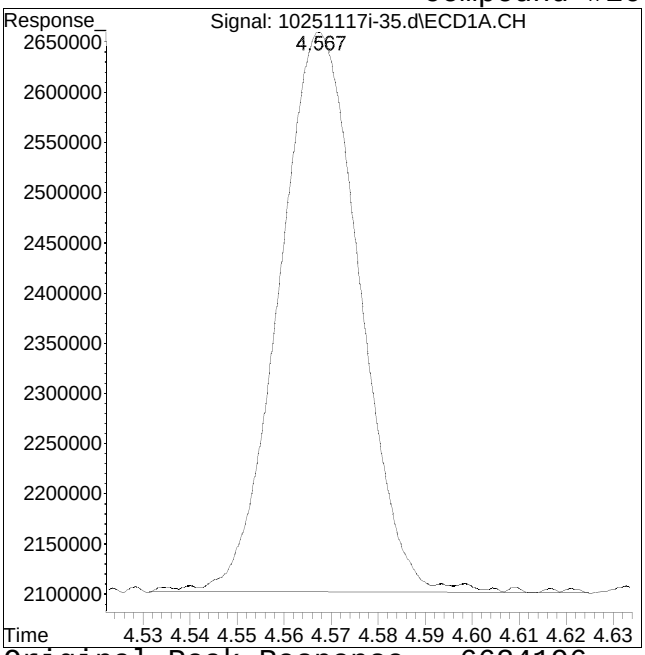
Manual Peak Response = 6082231 M4

M4 = Poor automated baseline construction.

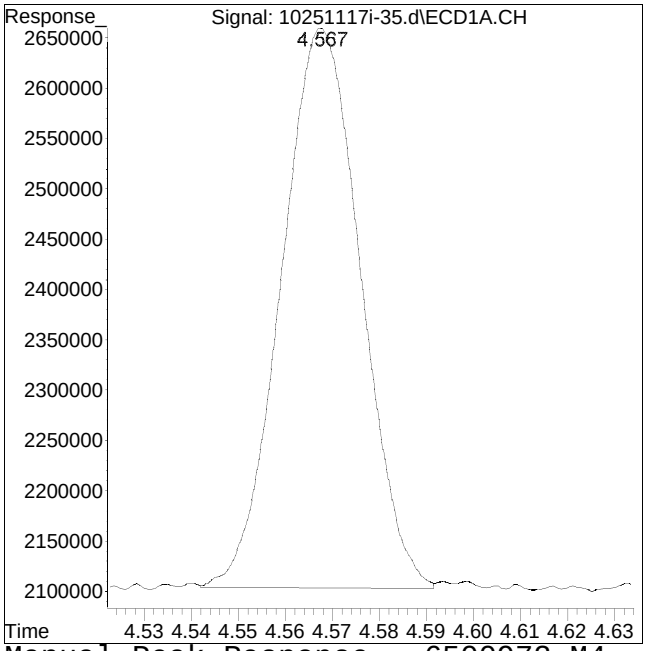
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #20: Endosulfan II



Original Peak Response = 6624196



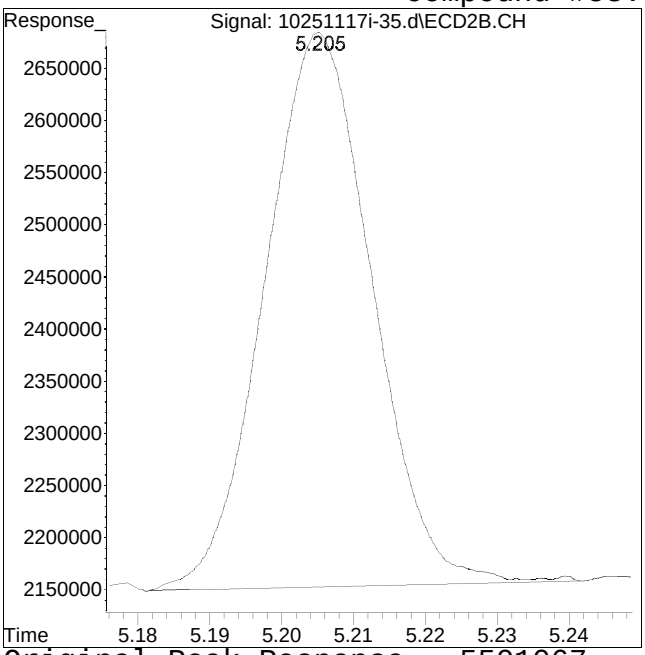
Manual Peak Response = 6500972 M4

M4 = Poor automated baseline construction.

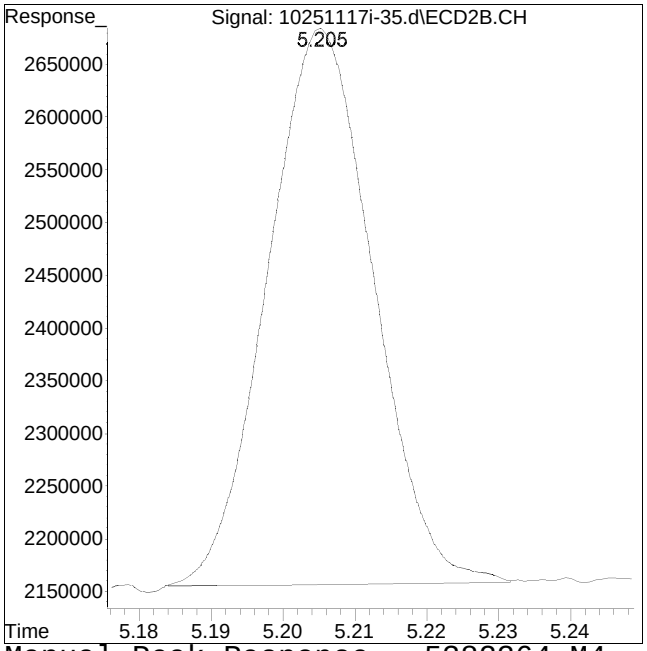
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #58: Endosulfan II #2



Original Peak Response = 5501067



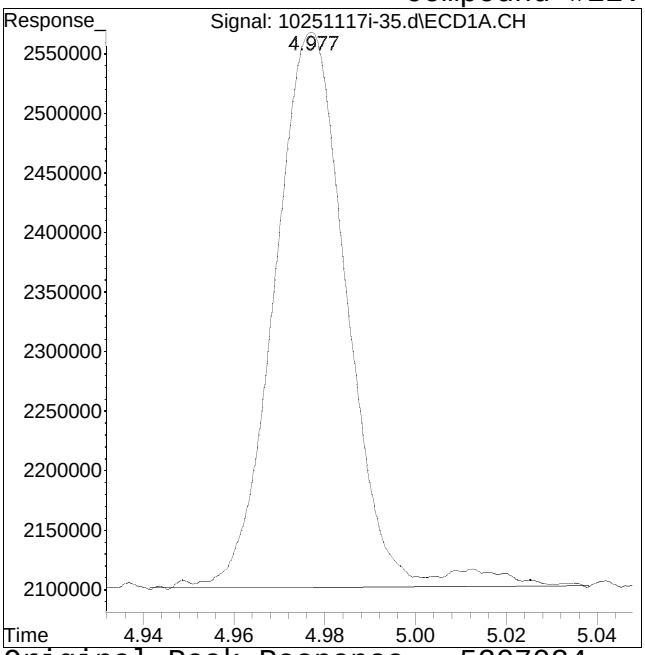
Manual Peak Response = 5382364 M4

M4 = Poor automated baseline construction.

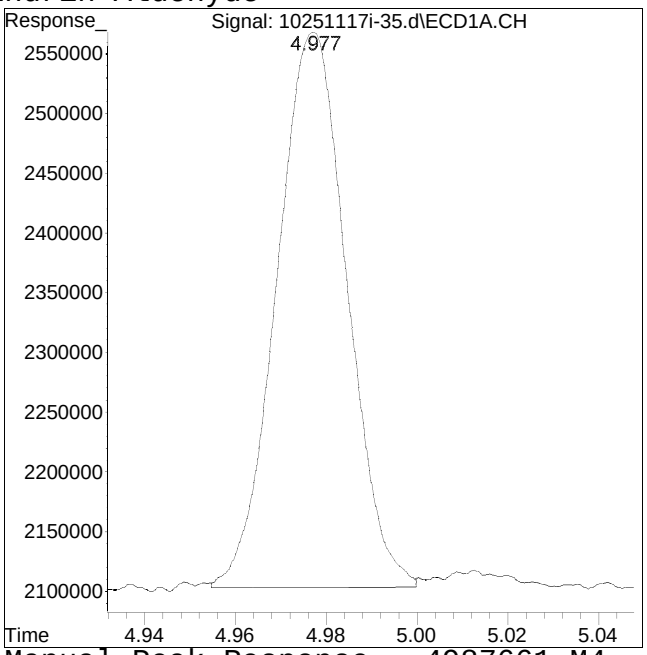
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #22: Endrin Aldehyde



Original Peak Response = 5207024



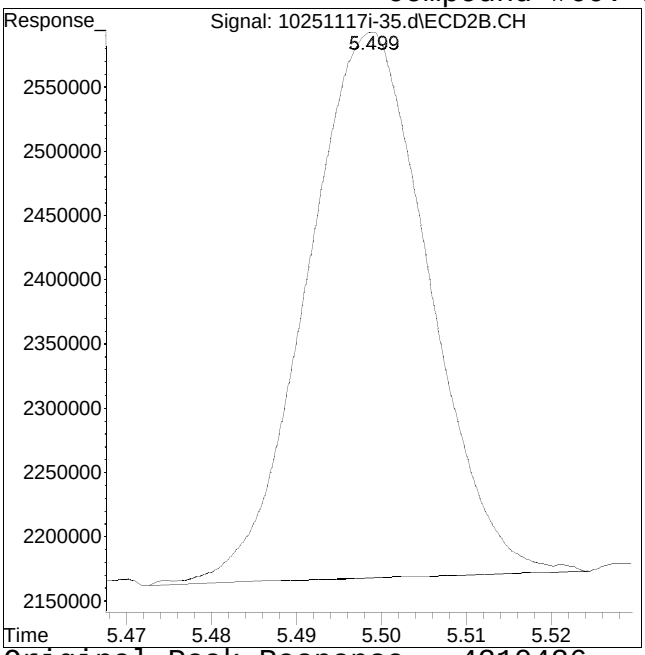
Manual Peak Response = 4987661 M4

M4 = Poor automated baseline construction.

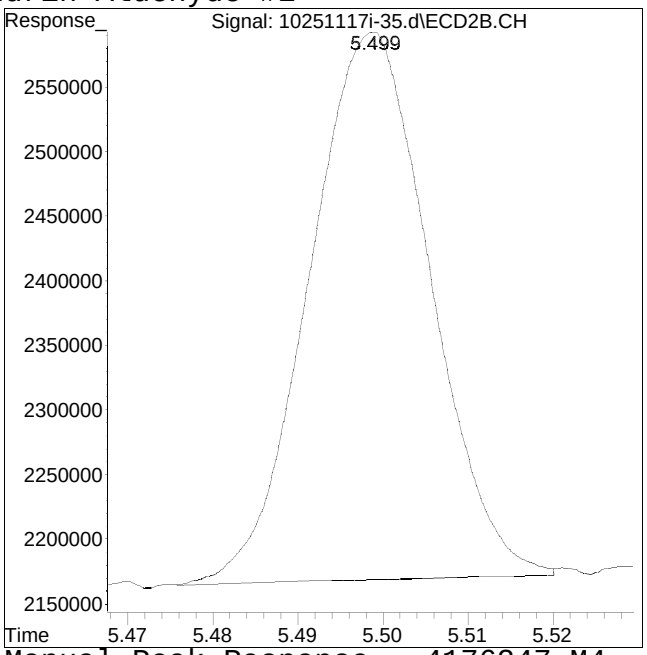
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 4210426



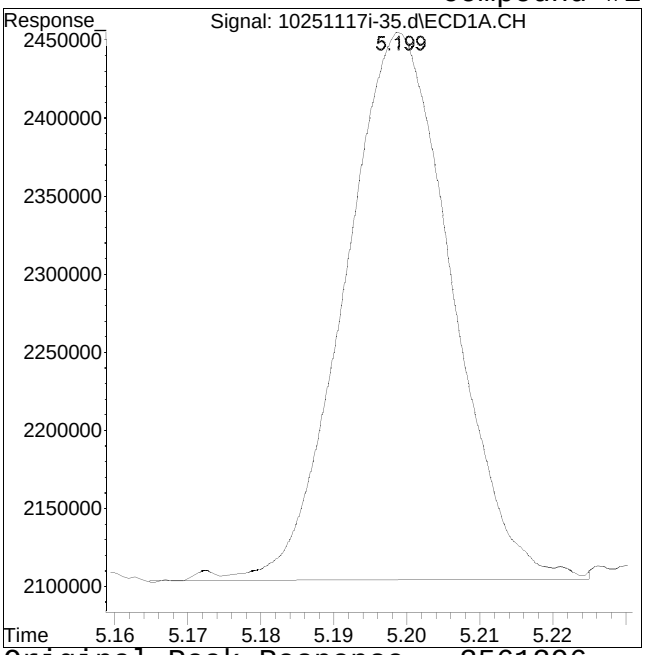
Manual Peak Response = 4176247 M4

M4 = Poor automated baseline construction.

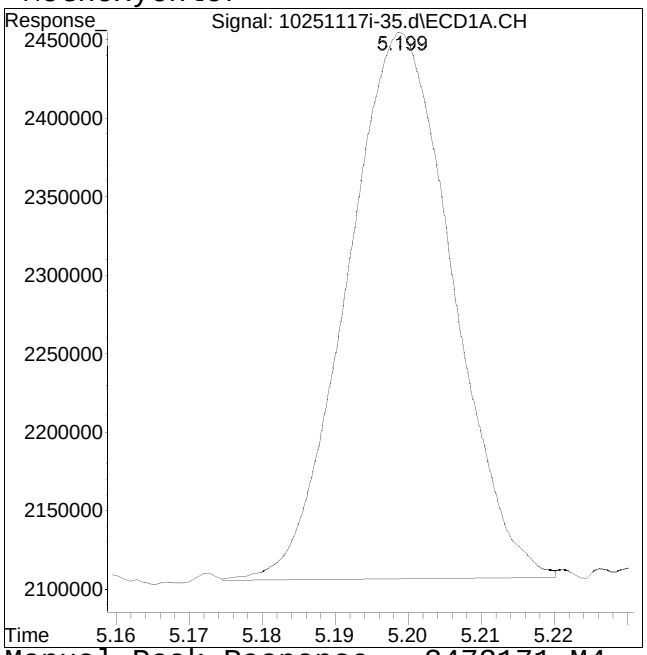
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #23: Methoxychlor



Original Peak Response = 3561296



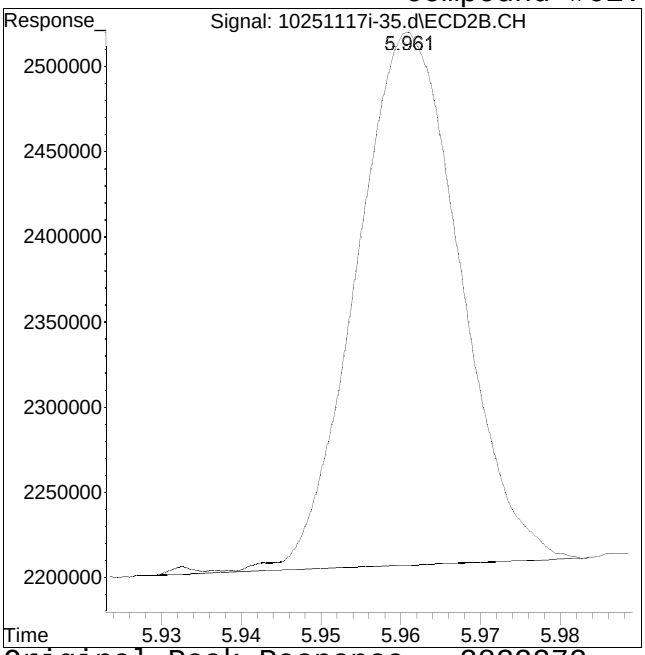
Manual Peak Response = 3473171 M4

M4 = Poor automated baseline construction.

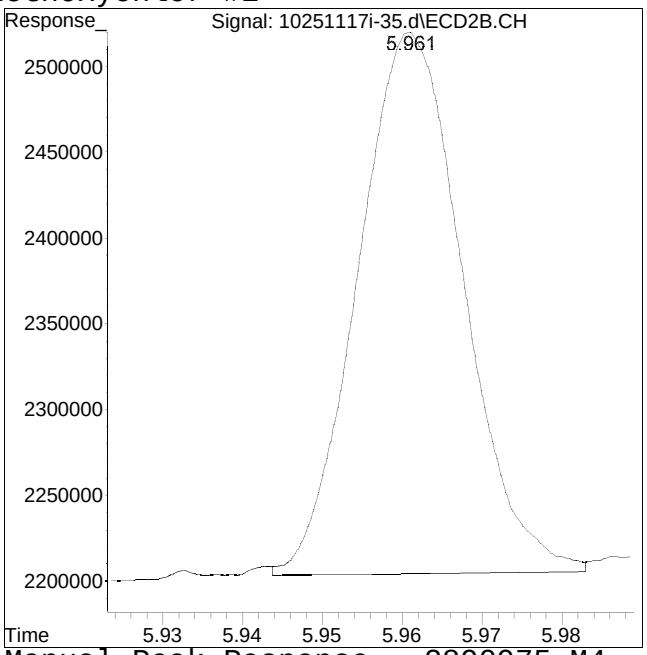
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #61: Methoxychlor #2



Original Peak Response = 2832272



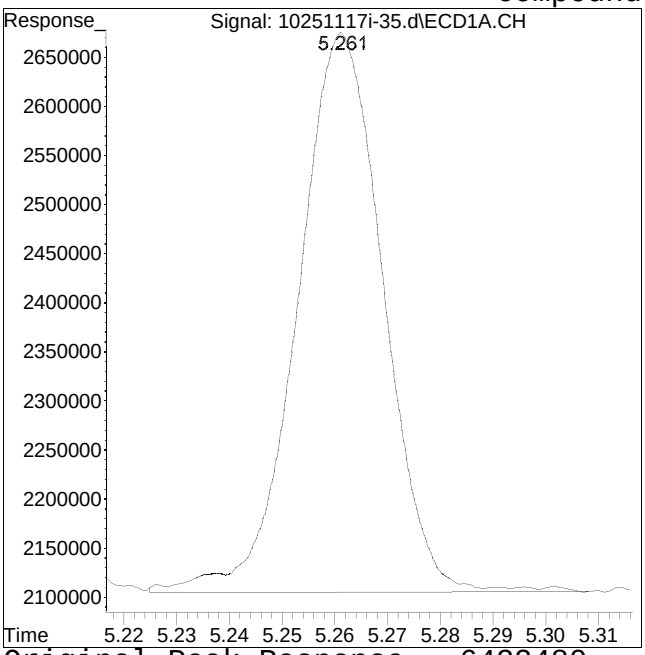
Manual Peak Response = 2890975 M4

M4 = Poor automated baseline construction.

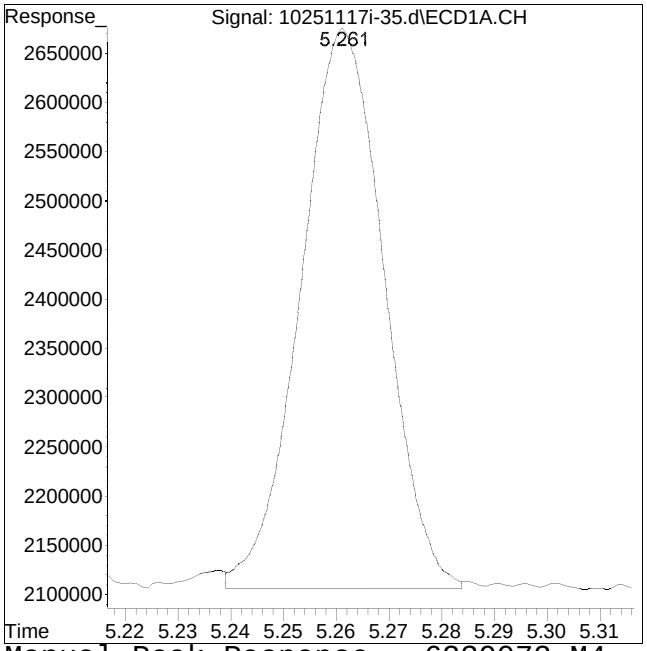
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #24: Mirex



Original Peak Response = 6422480



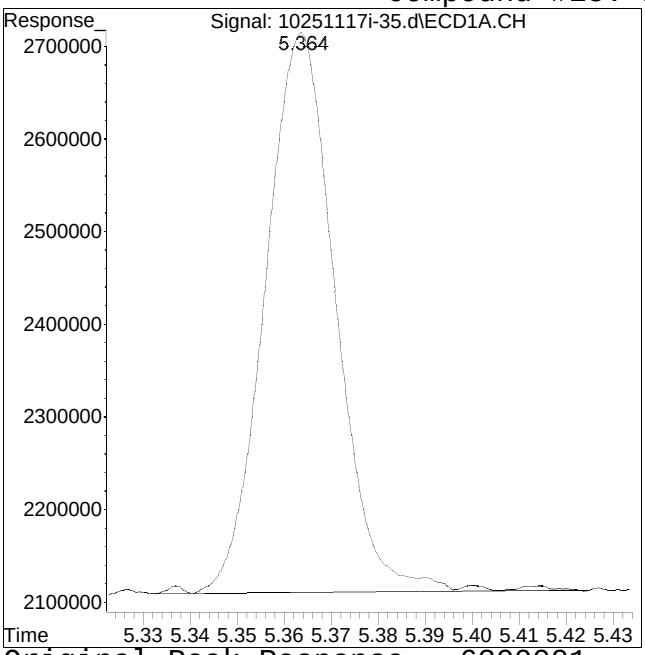
Manual Peak Response = 6239072 M4

M4 = Poor automated baseline construction.

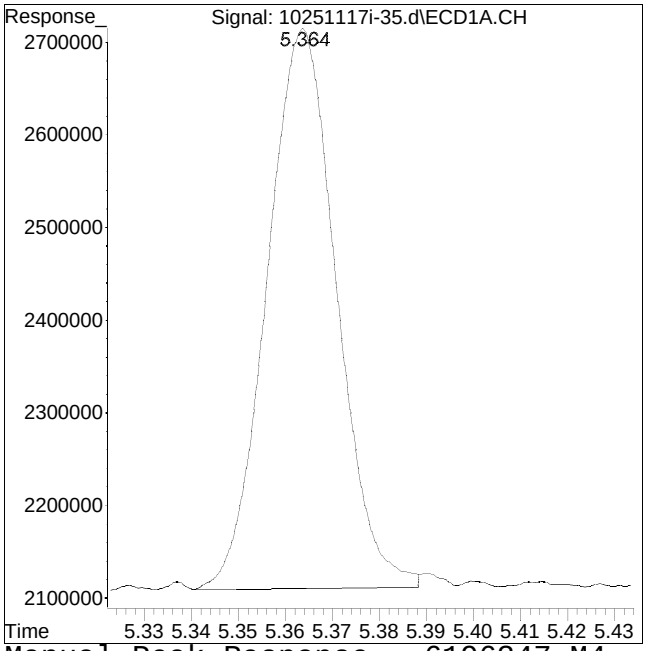
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #25: Endosulfan Sulfate



Original Peak Response = 6300001



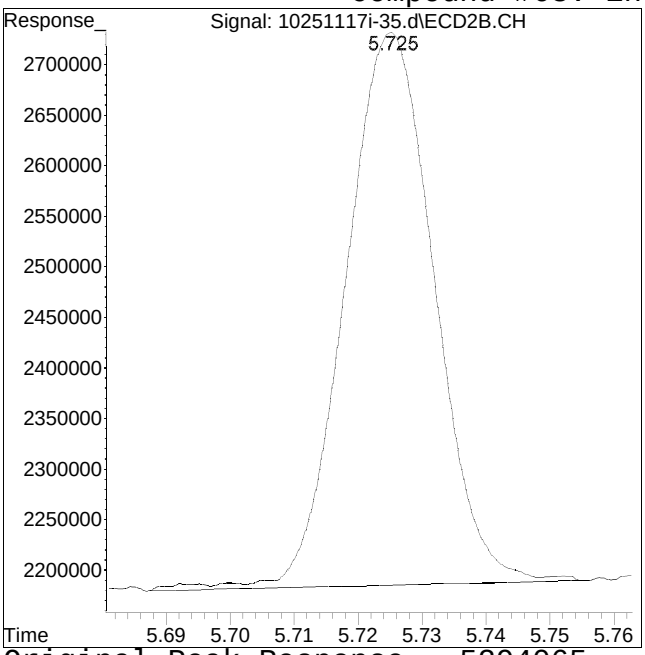
Manual Peak Response = 6196347 M4

M4 = Poor automated baseline construction.

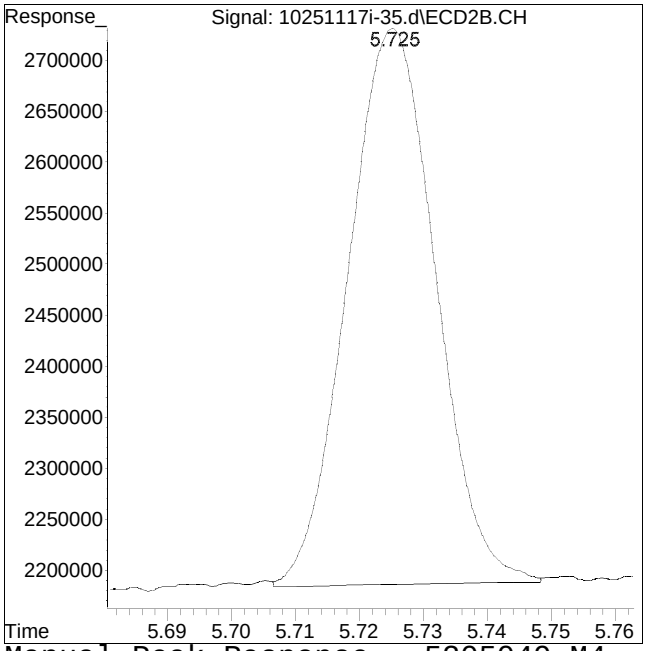
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 5294065



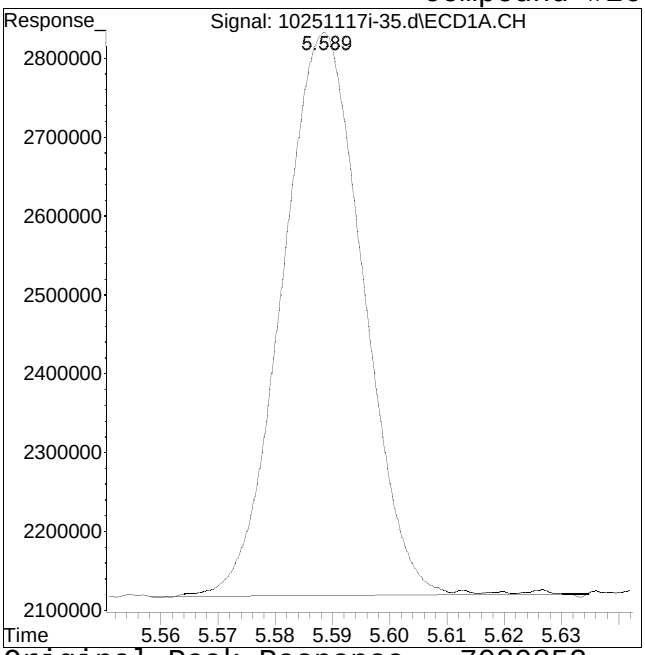
Manual Peak Response = 5205049 M4

M4 = Poor automated baseline construction.

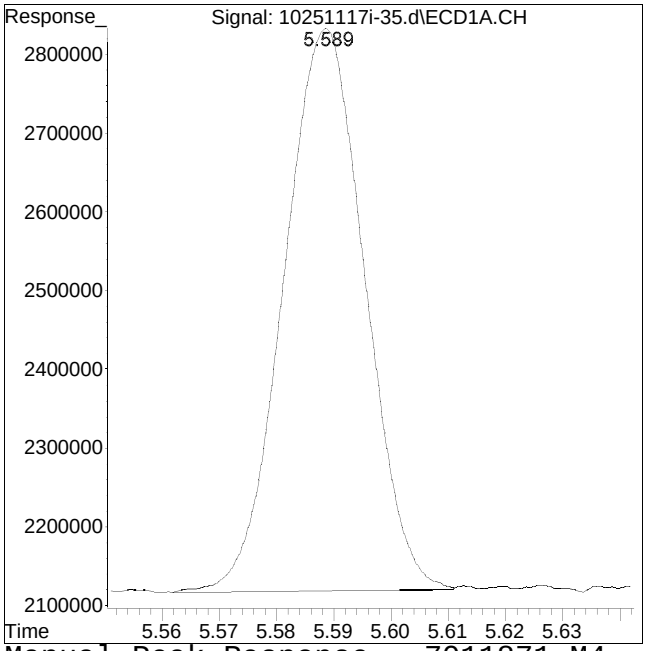
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #26: Endrin Ketone



Original Peak Response = 7030252



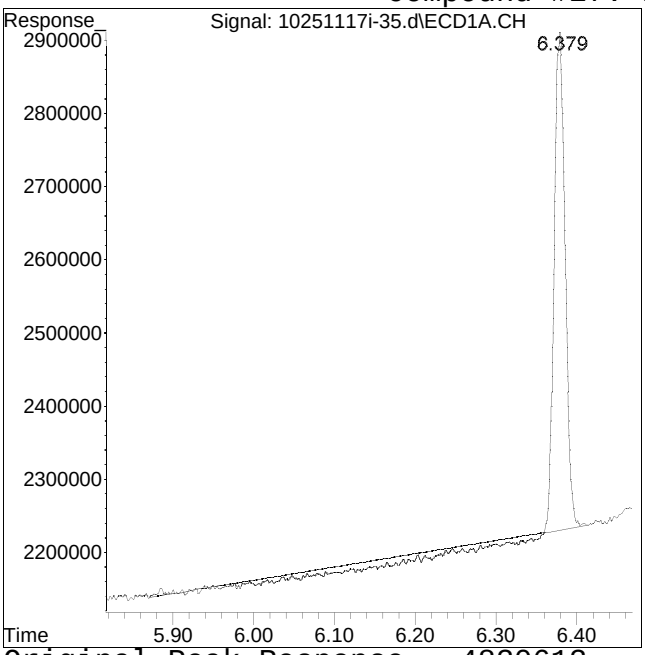
Manual Peak Response = 7011871 M4

M4 = Poor automated baseline construction.

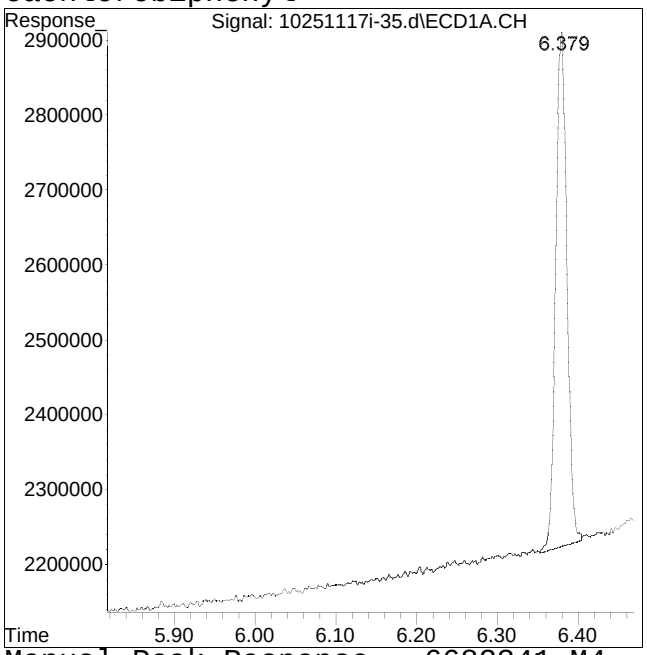
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-35.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:00 Instrument : Pest 10
Sample : il4pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:23 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 4830613



Manual Peak Response = 6682341 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-36.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 14:12
Operator : PEST10:akm
Sample : il5pest,42e,,pp 12310 L0.003
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:18:07 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:17:55 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.362	1.421	61832234	58384852	25.000M4	25.000
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	1.715	1.908	10097083	8565992	3.094M4	2.961
		Spiked Amount 50.000	Range 30 - 150		Recovery =		6.19%#	5.92%#
27)	s	Decachlorobi	6.379	6.991	9084361	7623242	3.221M4	3.112M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		6.44%#	6.22%#
		Target Compounds						
3)	t	Hexachlorobe	1.935	2.236	12182627	9759251	3.286M4	3.118M4
4)	t	alpha-BHC	2.036	2.333	11357174	10184912	2.708M4	2.500
5)	t	gamma-BHC (l	2.246	2.625	10657118	9600444	2.802M4	2.627
6)	t	beta-BHC	2.303	2.690	5575703	5270656	3.186M4	3.137
7)	t	delta-BHC	2.435	2.963	10296618	9187180	2.726M4	2.512
8)	t	Heptachlor	2.602	3.031	10924985	9444698	2.930M4	2.765M4
9)	t	Aldrin	2.852	3.357	10313035	9198772	2.742M4	2.595
10)	t	Alachlor	2.976	3.236	1876205	1612173	3.105M4	3.108M4
11)	t	Chlorpyrifos	3.069	3.596	5585490	5175668	3.454M4	3.283

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-36.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 14:12
Operator : PEST10:akm
Sample : il5pest,42e,,pp 12310 L0.003
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:18:07 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:17:55 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.411	3.982	9649016	8654260	2.931M4	2.780M4
13)	t	gamma-Chlord	3.537	4.204	10481192	9131842	2.840	2.670
14)	t	alpha-Chlord	3.675	4.370	10555384	9261785	2.888	2.747
15)	t	4,4'-DDE	3.771	4.561	9759722	8280088	2.630	2.438
16)	t	Endosulfan I	3.815	4.430	9777459	8386085	2.925	2.731
17)	t	Dieldrin	4.081	4.717	9988217	8497244	2.804	2.604M4
18)	t	Endrin	4.334	5.010	9824064	8151963	2.862	2.632
19)	t	4,4'-DDD	4.437	5.127	7819712	6411629	2.736	2.552
20)	t	Endosulfan I	4.568	5.206	9126364	7540731	2.934M4	2.739
21)	t	4,4'-DDT	4.722	5.402	8085092	6606712	2.766M4	2.647
22)	t	Endrin Aldeh	4.977	5.499	7113559	5830288	2.951M3	2.704M4
23)	t	Methoxychlor	5.199	5.961	4943918	4003334	3.133M4	3.018M4
24)	t	Mirex	5.262	6.103	8574372	7122169	3.304	3.235
25)	t	Endosulfan S	5.363	5.725	8572444	7217743	3.046M3	2.852M3
26)	t	Endrin Keton	5.589	6.136	9892013	8186669	3.028M4	2.862
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	chlordane-1			0	0	N.D.	N.D.
	Average	chlordane-1					0.000	0.000
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-36.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 14:12
Operator : PEST10:akm
Sample : il5pest,42e,,pp 12310 L0.003
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:18:07 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:17:55 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

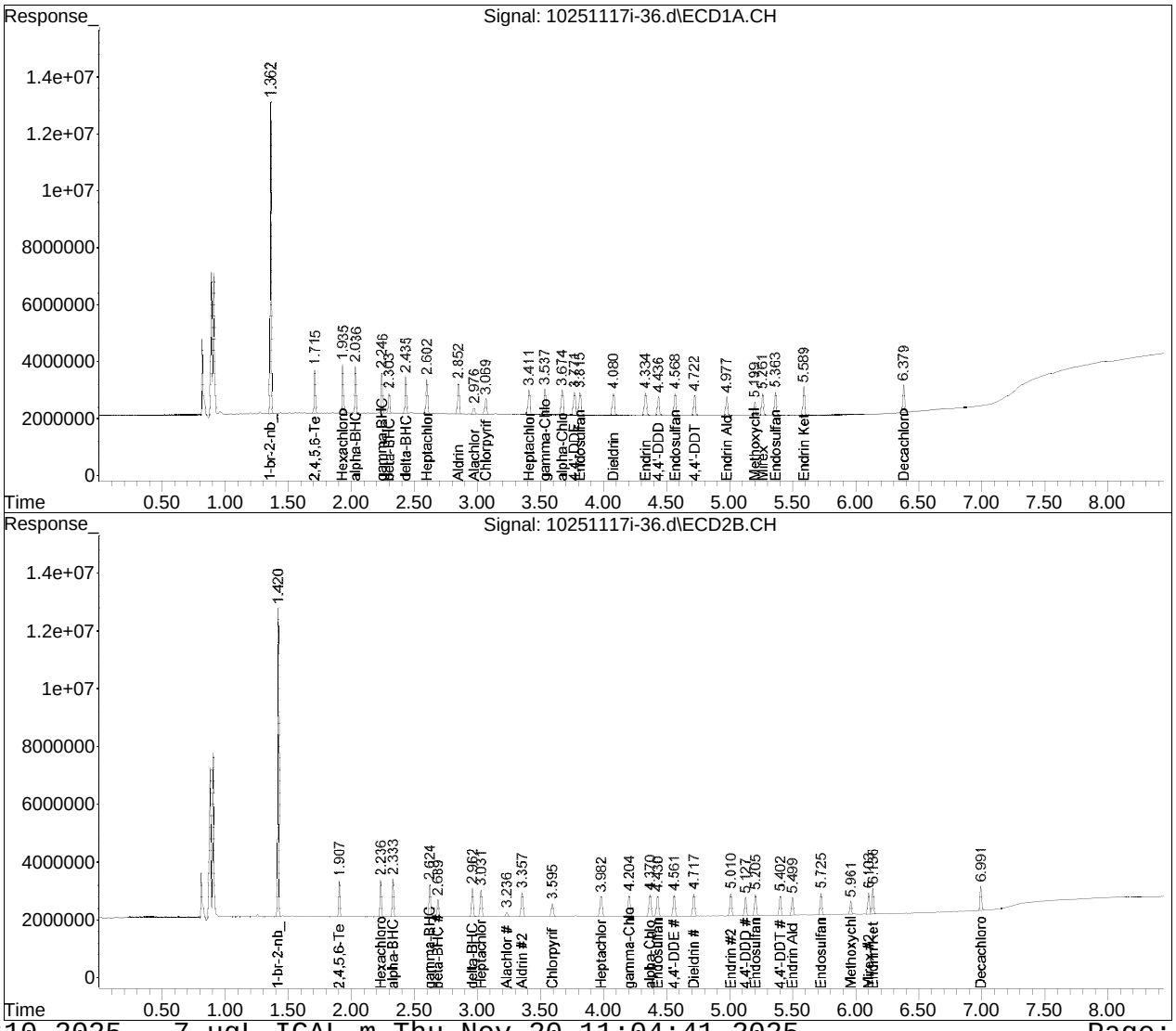
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-36.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 14:12
Operator : PEST10:akm
Sample : il5pest,42e,,pp 12310 L0.003
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:18:07 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:17:55 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

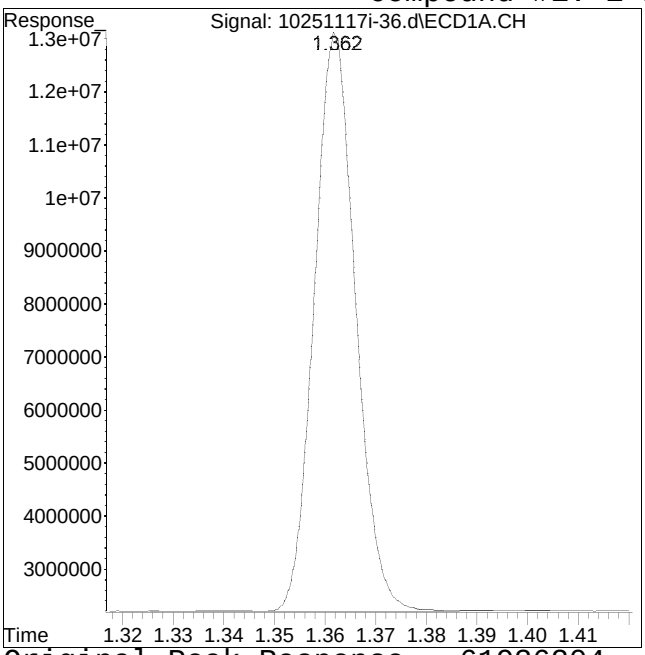
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



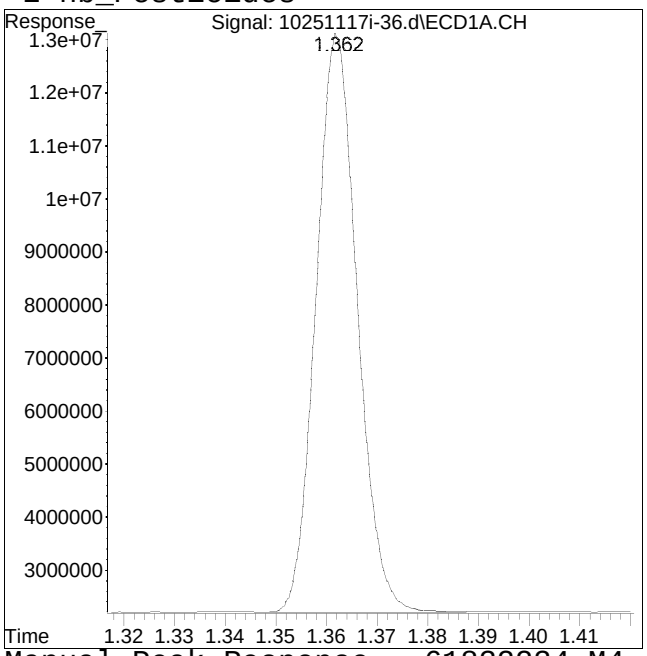
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 61936204



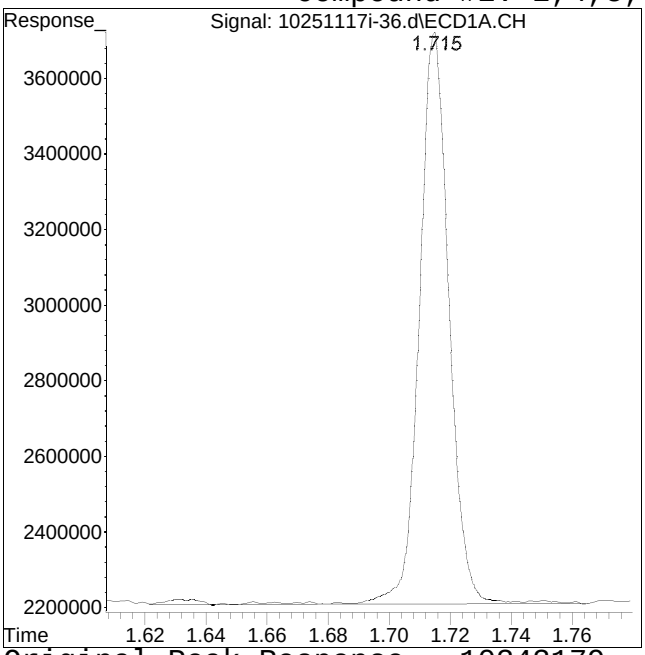
Manual Peak Response = 61832234 M4

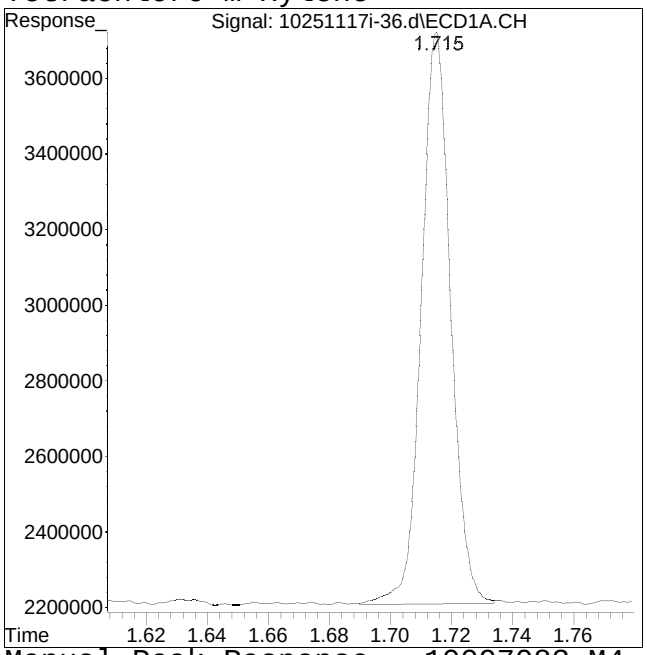
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



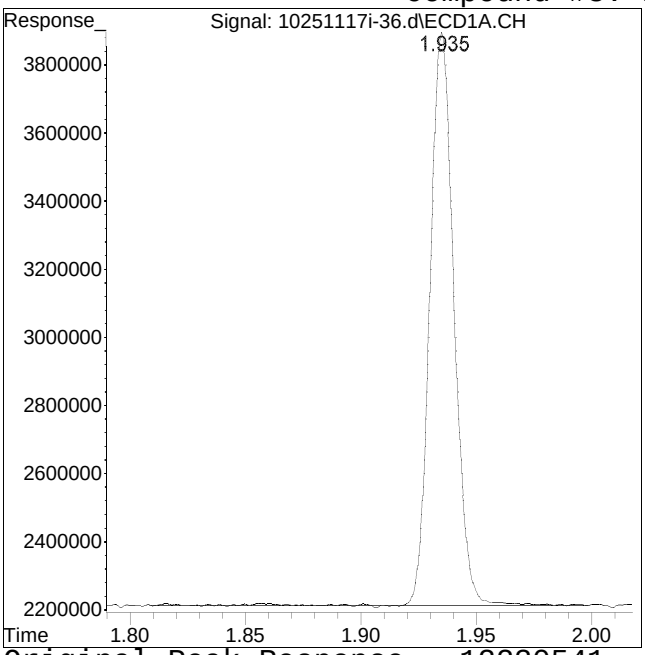


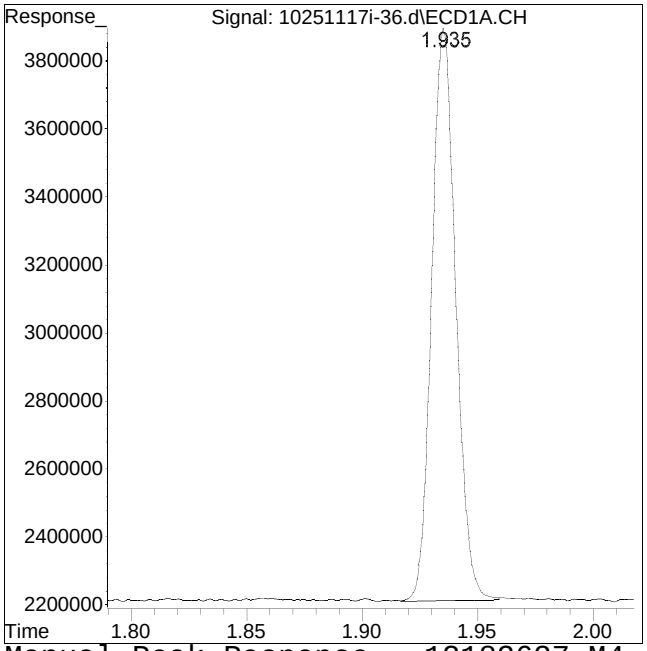
Original Peak Response = 10343179 Manual Peak Response = 10097083 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #3: Hexachlorobenzene



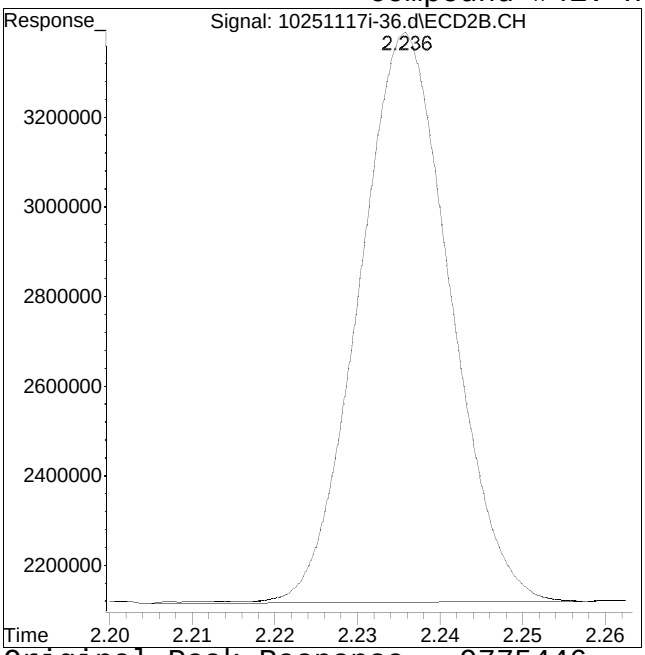


Original Peak Response = 12230541 Manual Peak Response = 12182627 M4
M4 = Poor automated baseline construction.

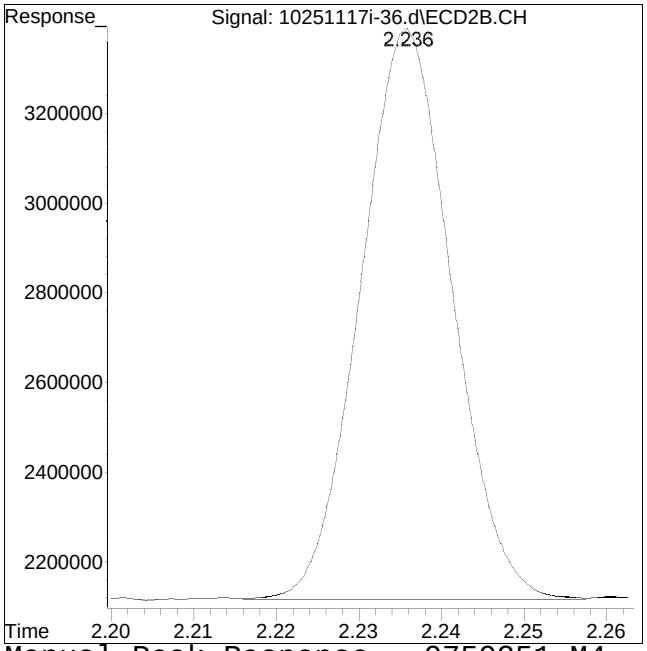
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #41: Hexachlorobenzene #2



Original Peak Response = 9775446



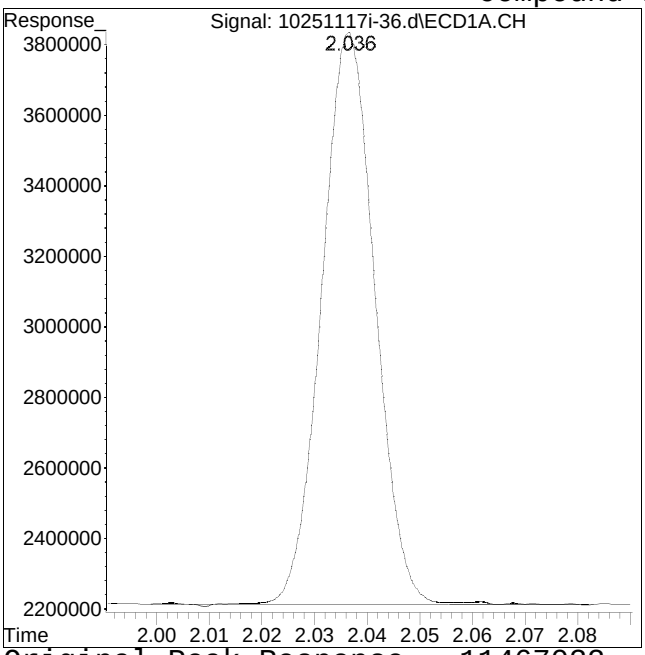
Manual Peak Response = 9759251 M4

M4 = Poor automated baseline construction.

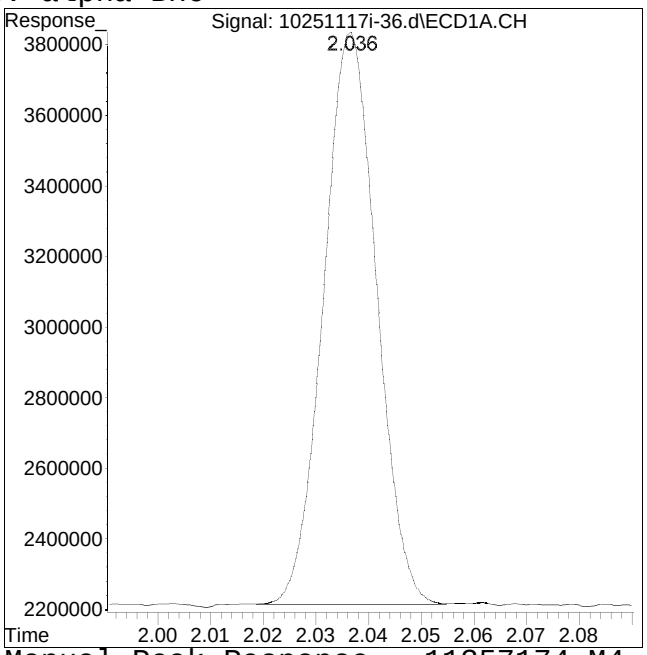
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #4: alpha-BHC



Original Peak Response = 11467032



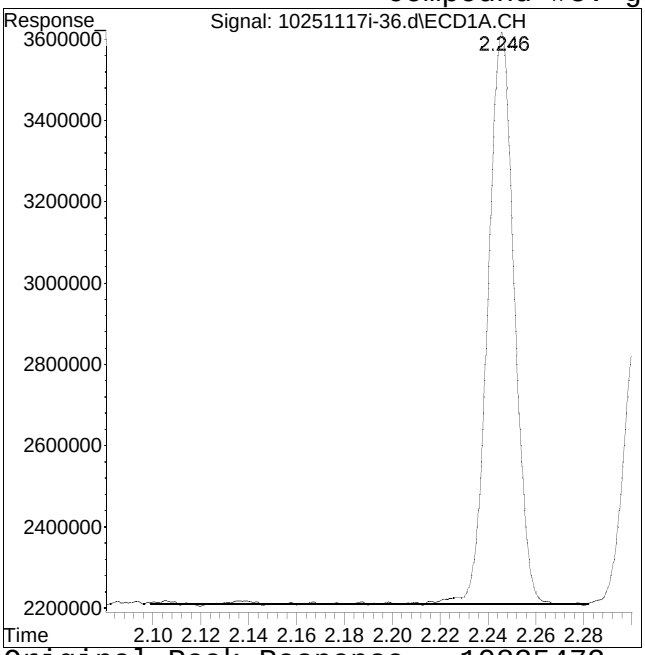
Manual Peak Response = 11357174 M4

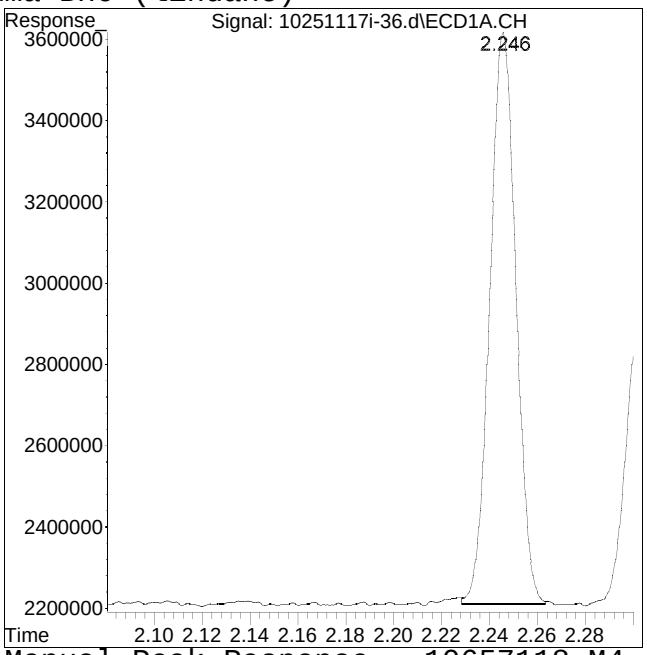
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #5: gamma-BHC (lindane)





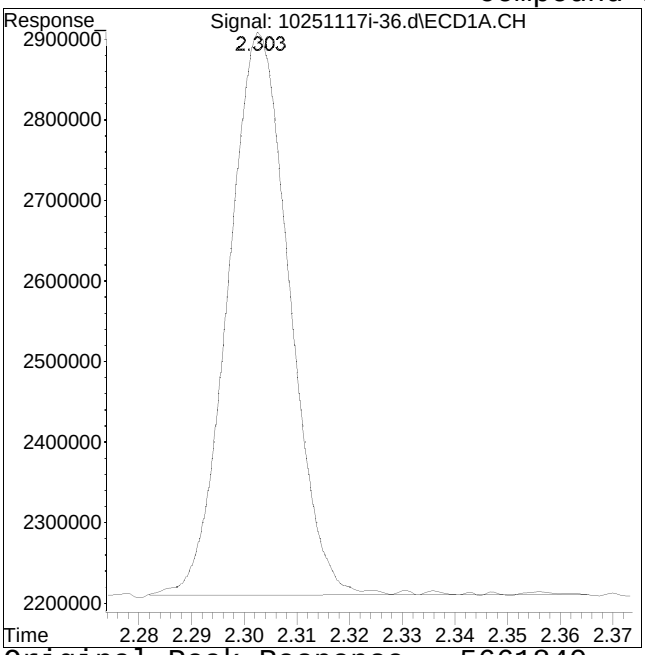
Original Peak Response = 10835472 Manual Peak Response = 10657118 M4
M4 = Poor automated baseline construction.

Manual Integration Report

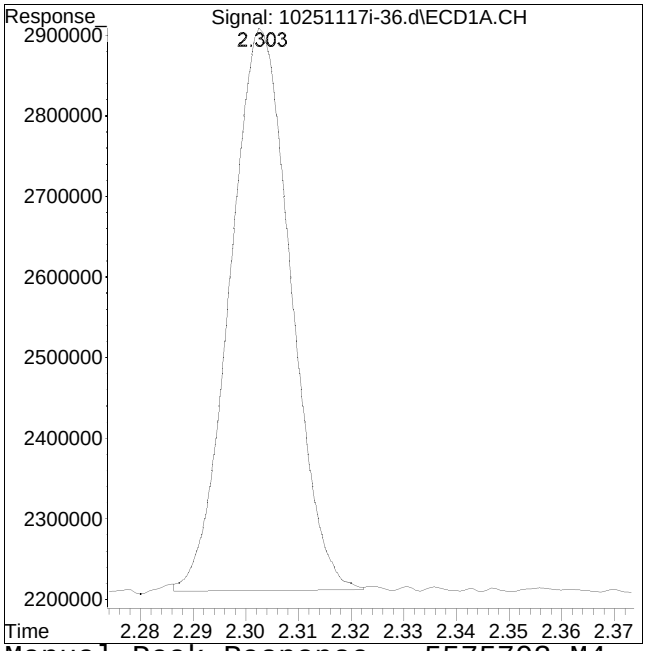
Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-36.d
Date Inj'd : 11/19/2025 14:12
Sample : il5pest,42e,,pp 12310 L0.0

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 9:18 am

Compound #6: beta-BHC



Original Peak Response = 5661840



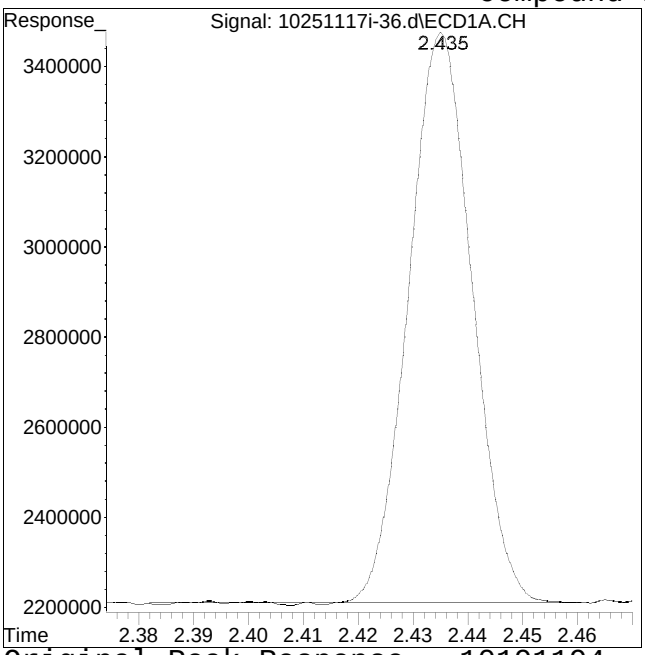
Manual Peak Response = 5575703 M4

M4 = Poor automated baseline construction.

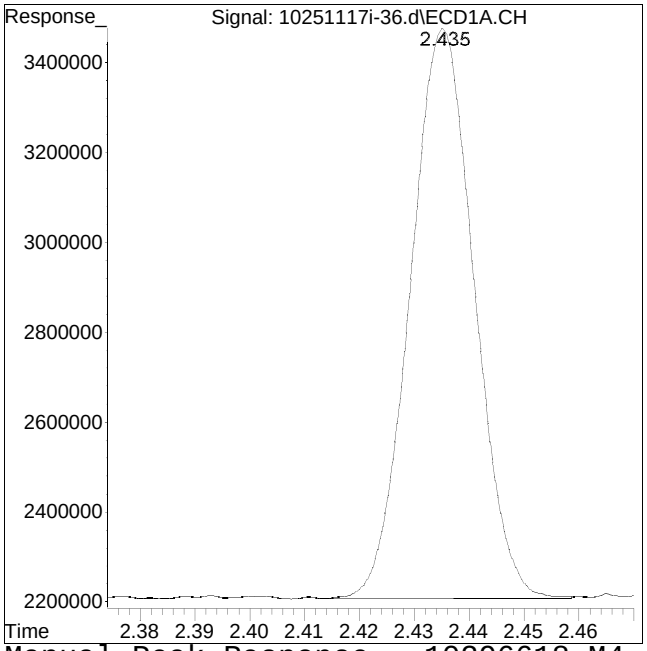
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #7: delta-BHC



Original Peak Response = 10191194



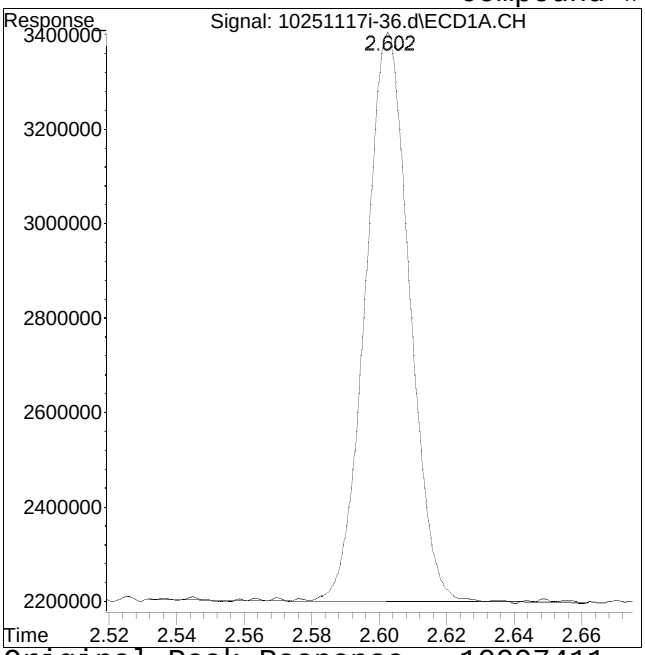
Manual Peak Response = 10296618 M4

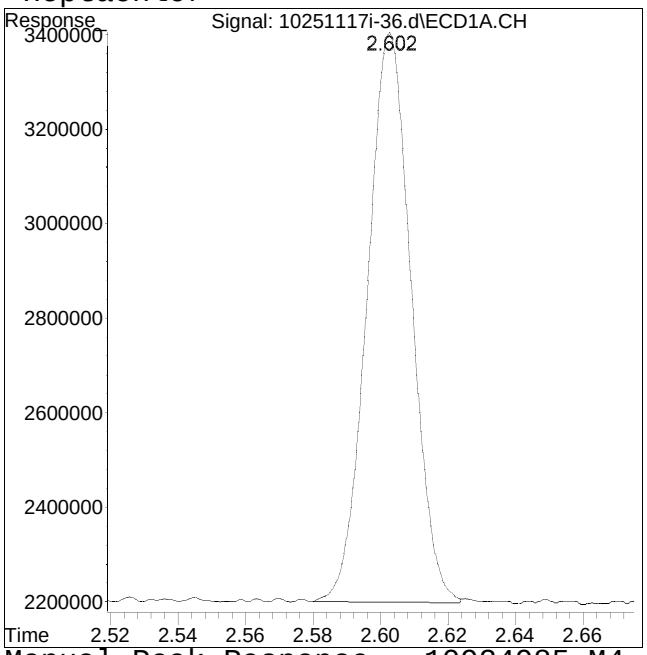
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #8: Heptachlor



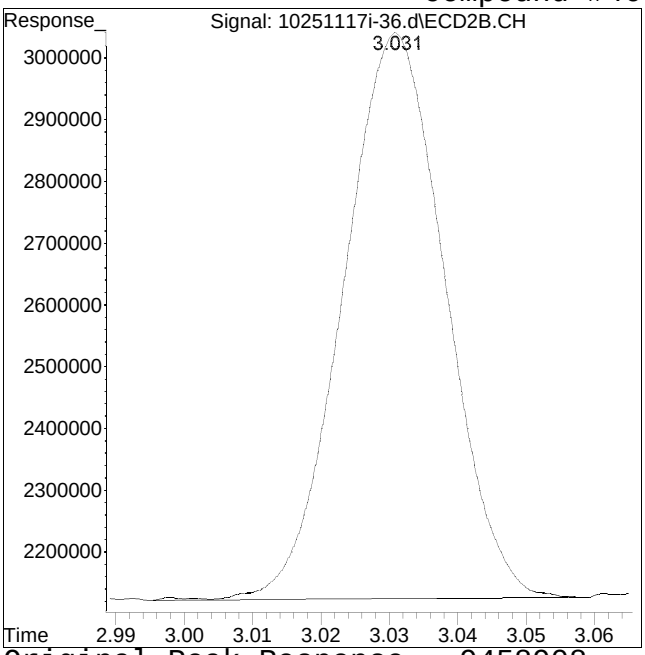


Original Peak Response = 10997411 Manual Peak Response = 10924985 M4
M4 = Poor automated baseline construction.

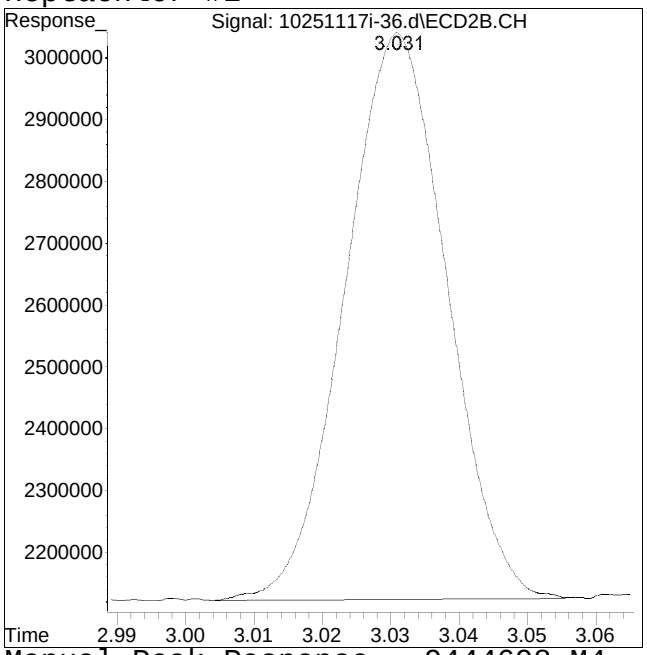
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #46: Heptachlor #2



Original Peak Response = 9458908



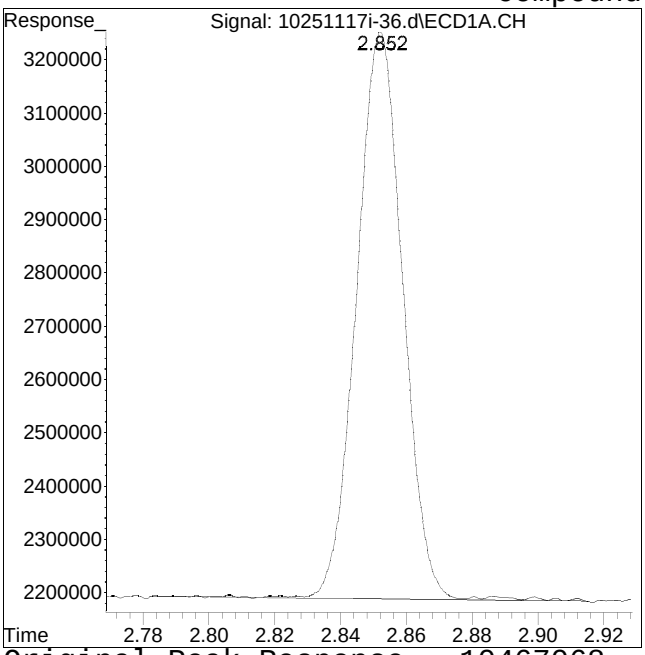
Manual Peak Response = 9444698 M4

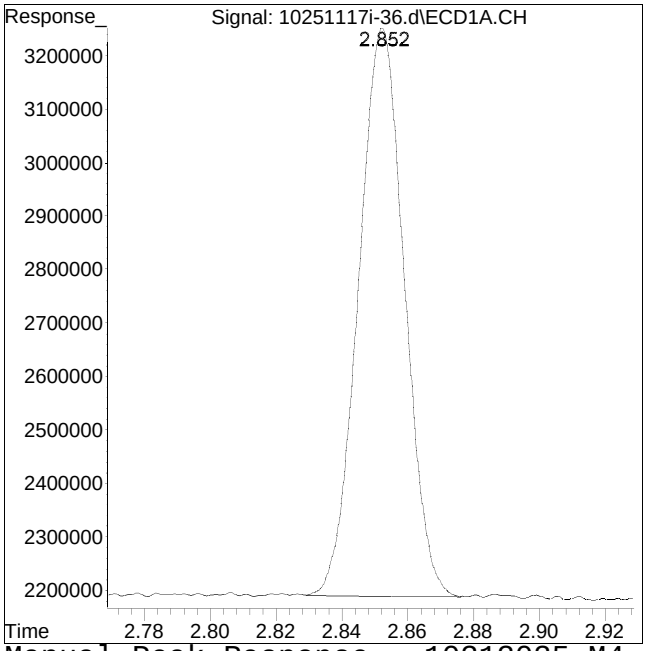
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #9: Aldrin



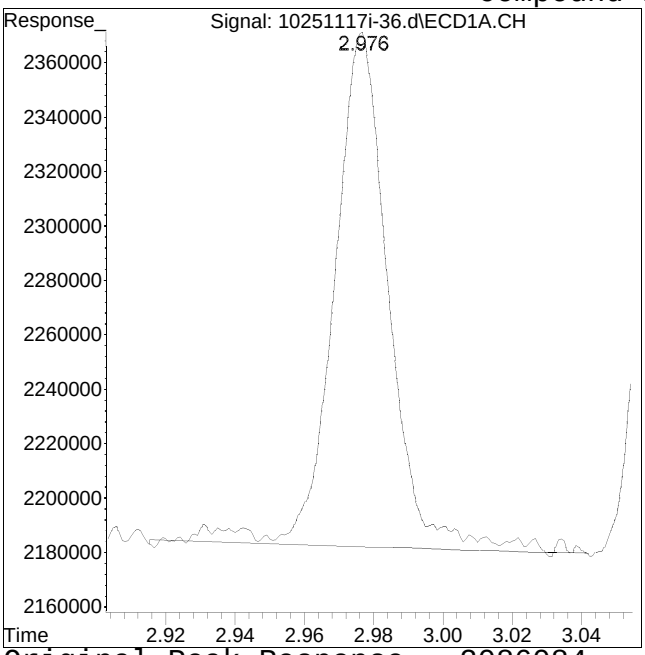


Original Peak Response = 10467068 Manual Peak Response = 10313035 M4
M4 = Poor automated baseline construction.

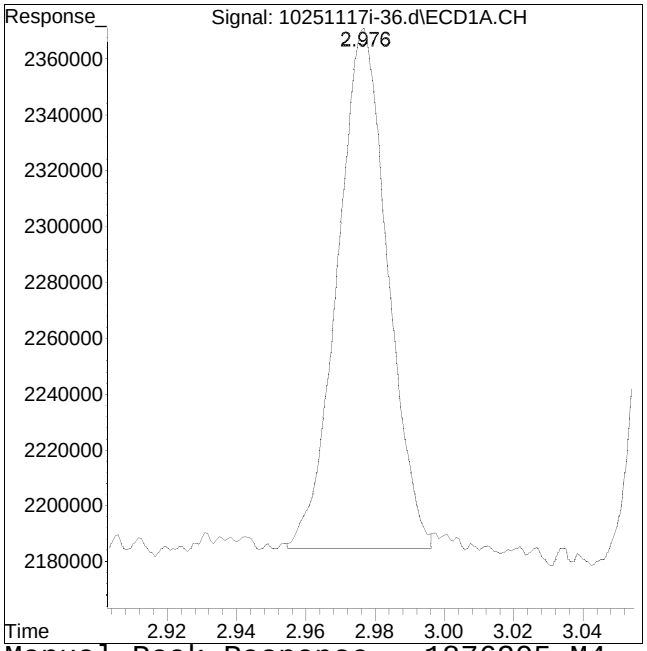
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #10: Alachlor



Original Peak Response = 2086084



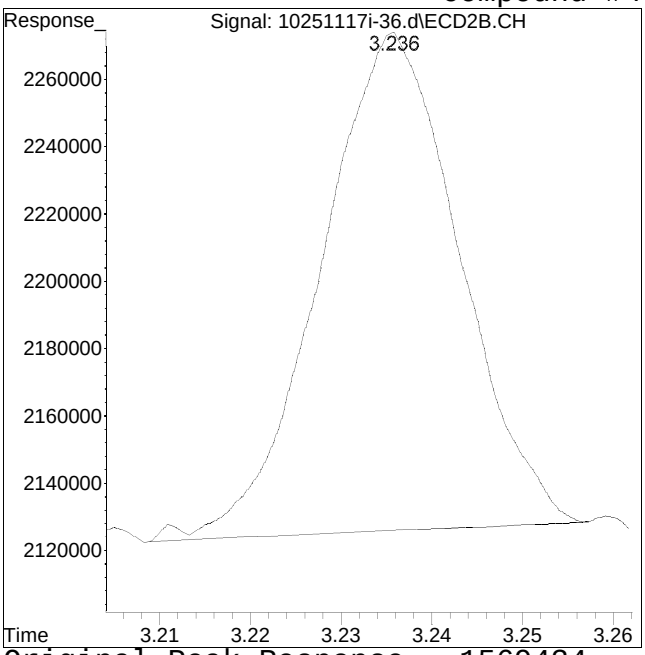
Manual Peak Response = 1876205 M4

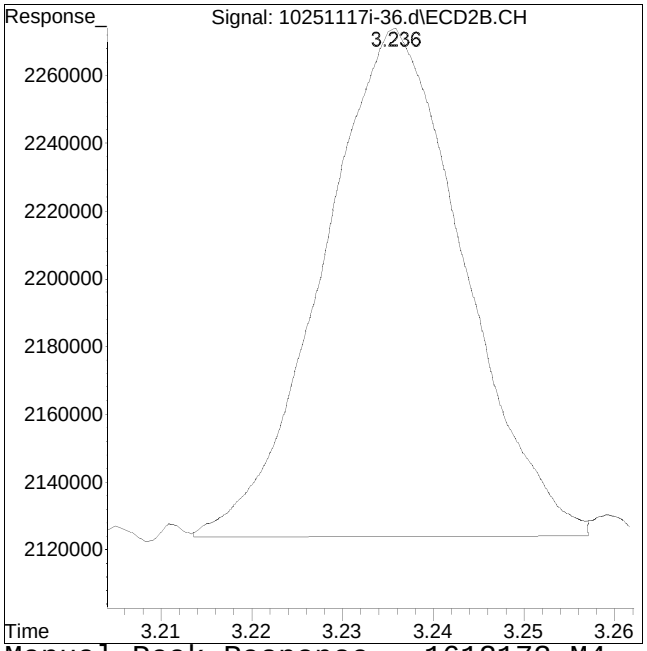
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #48: Alachlor #2



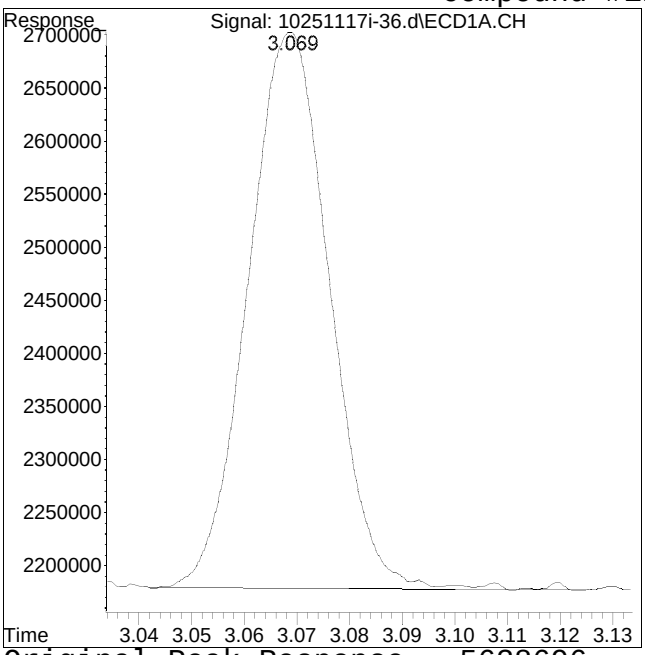


Original Peak Response = 1569434 Manual Peak Response = 1612173 M4
M4 = Poor automated baseline construction.

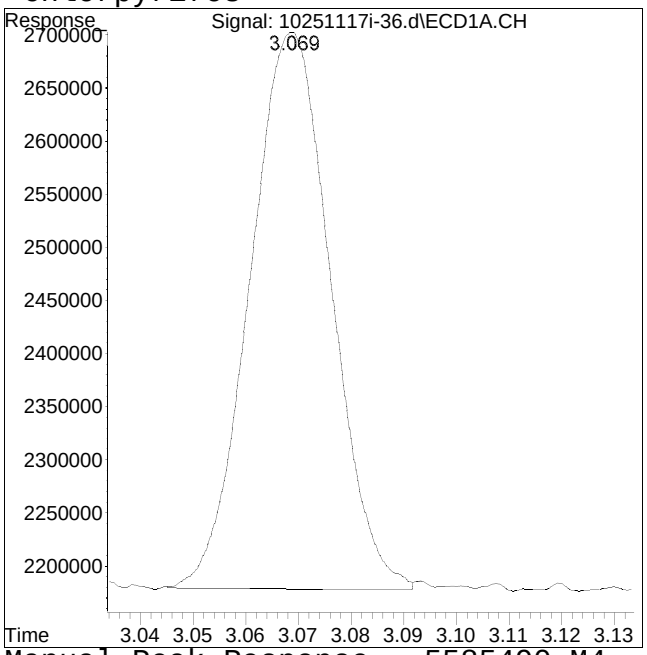
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #11: Chlorpyrifos



Original Peak Response = 5638696



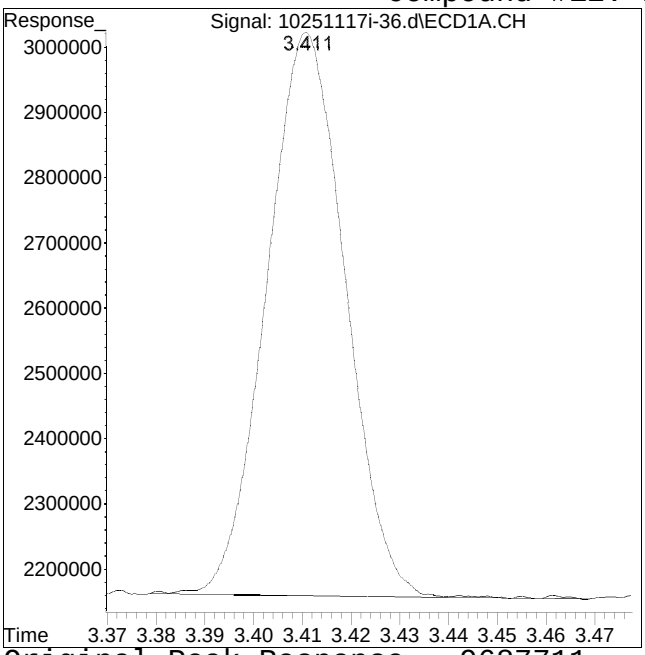
Manual Peak Response = 5585490 M4

M4 = Poor automated baseline construction.

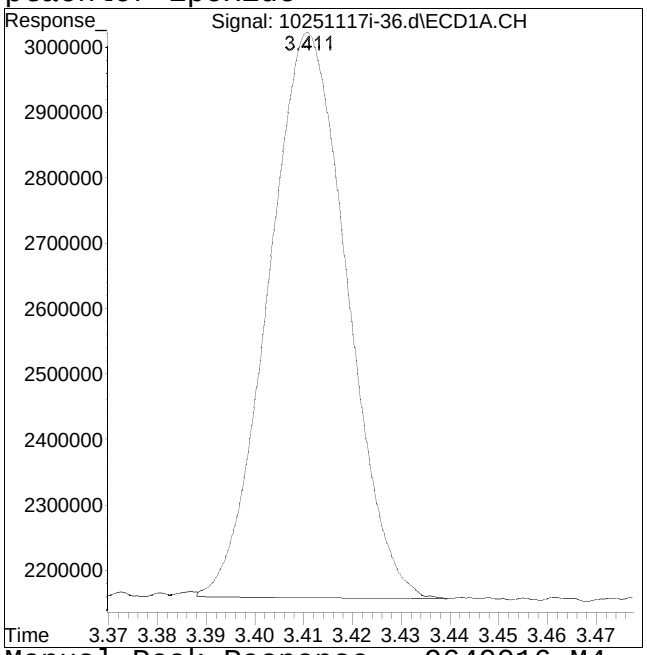
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #12: Heptachlor Epoxide



Original Peak Response = 9687711



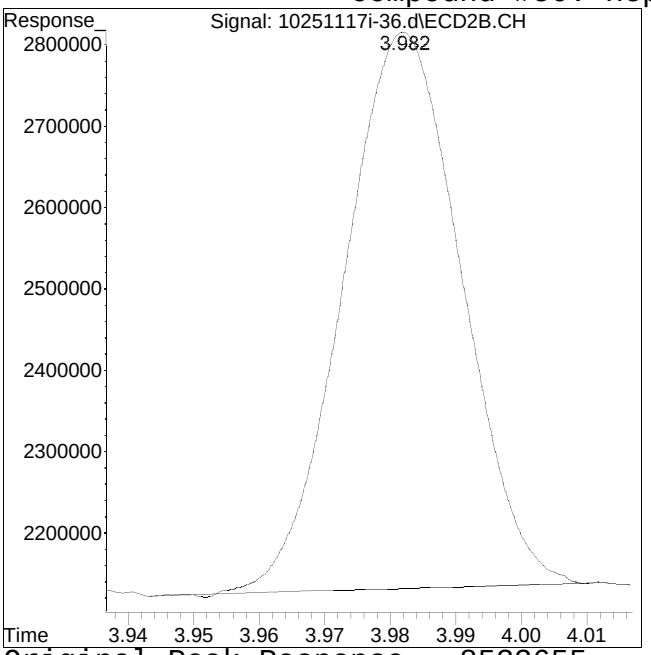
Manual Peak Response = 9649016 M4

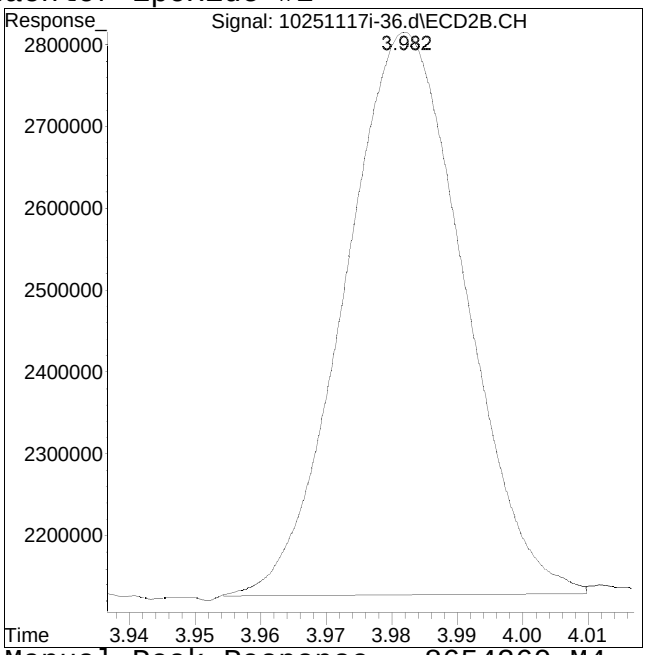
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #50: Heptachlor Epoxide #2



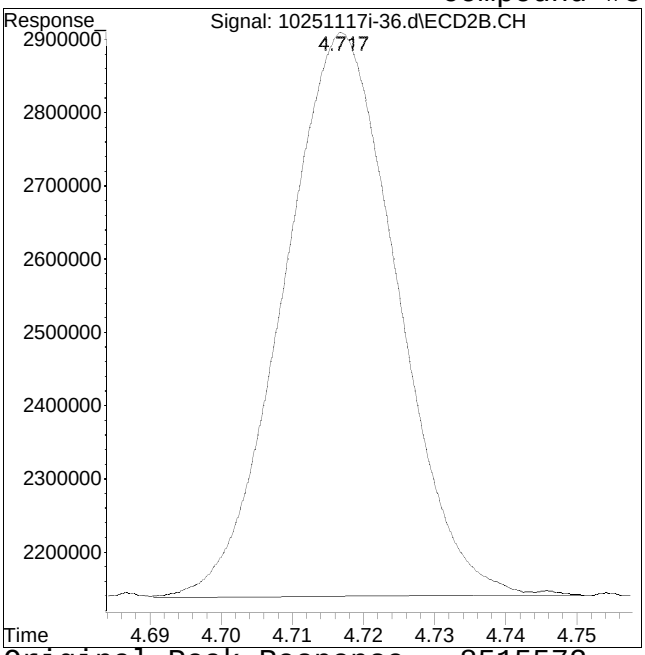


Original Peak Response = 8533655 Manual Peak Response = 8654260 M4
M4 = Poor automated baseline construction.

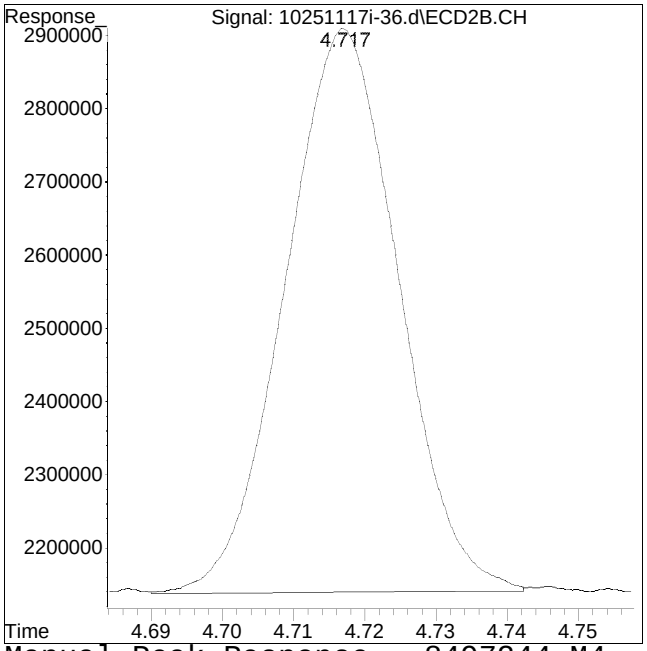
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #55: Dieldrin #2



Original Peak Response = 8515572



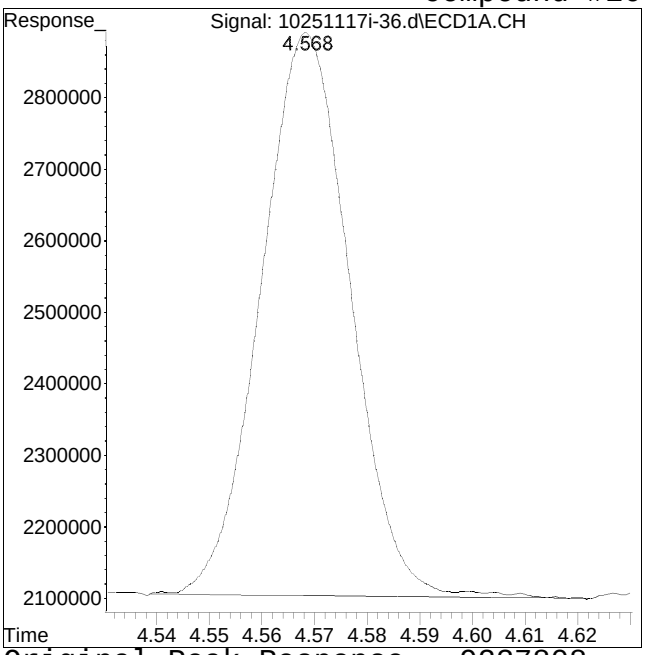
Manual Peak Response = 8497244 M4

M4 = Poor automated baseline construction.

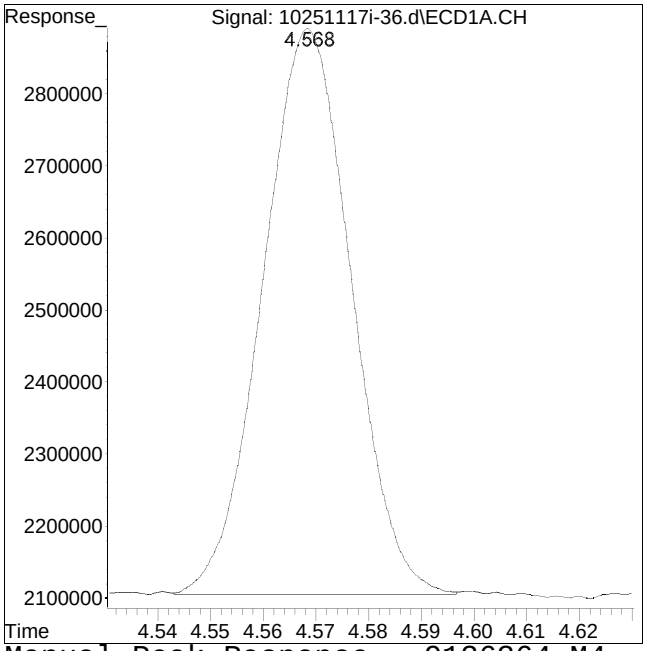
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #20: Endosulfan II



Original Peak Response = 9237808



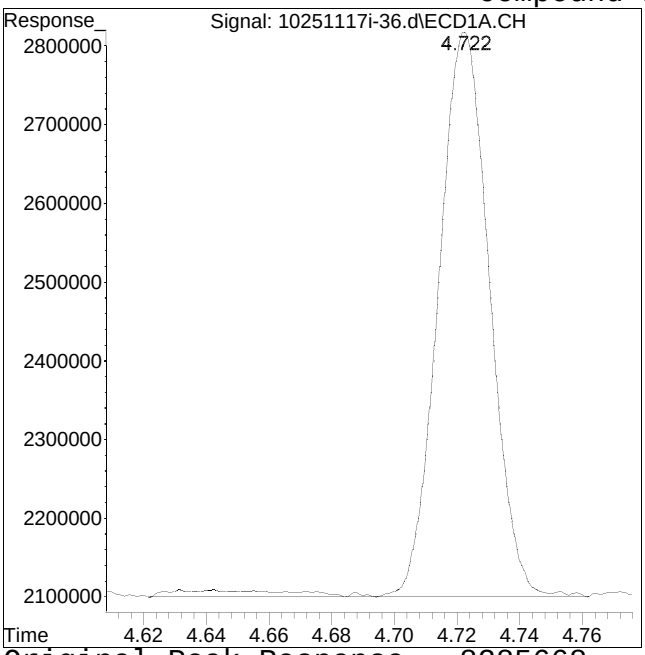
Manual Peak Response = 9126364 M4

M4 = Poor automated baseline construction.

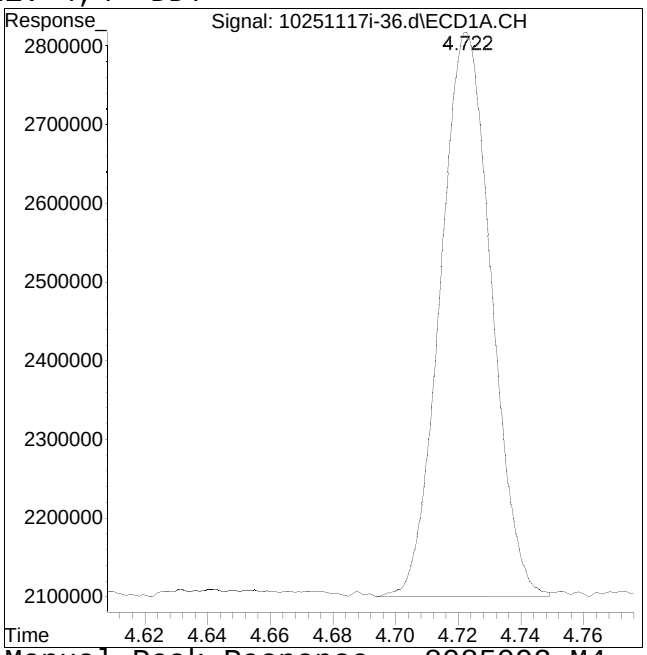
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #21: 4,4'-DDT



Original Peak Response = 8285668



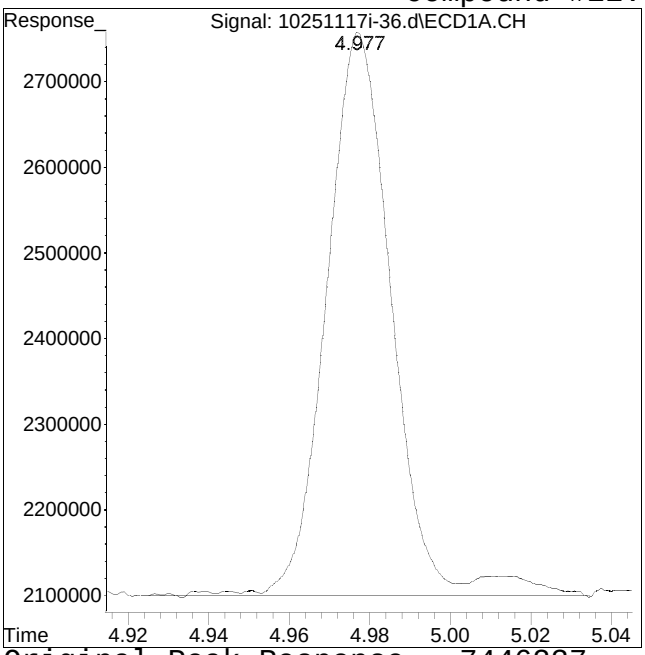
Manual Peak Response = 8085092 M4

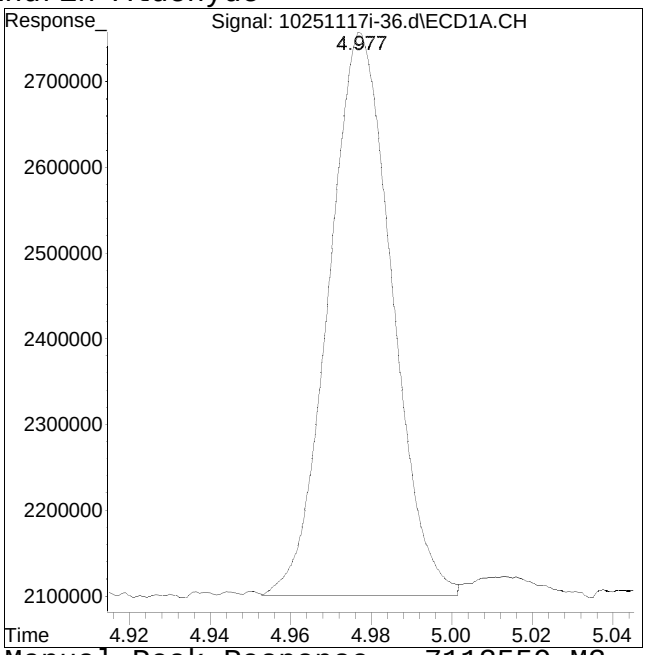
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #22: Endrin Aldehyde



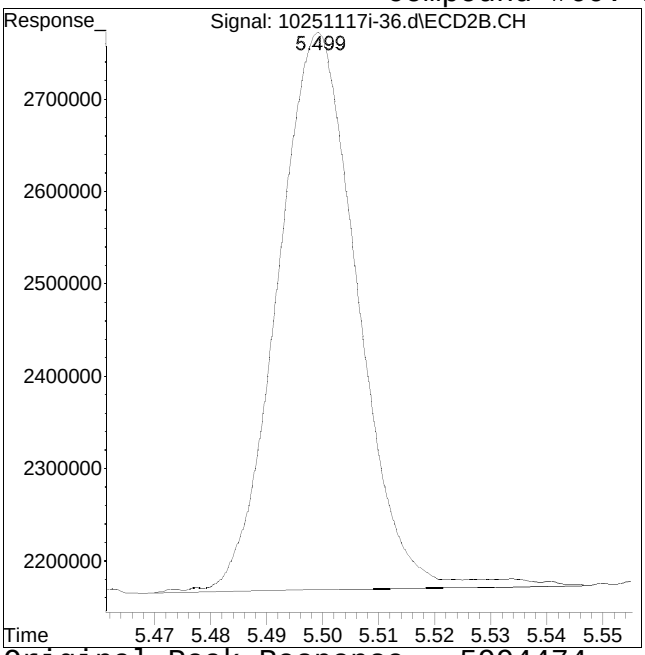


Original Peak Response = 7446237 Manual Peak Response = 7113559 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

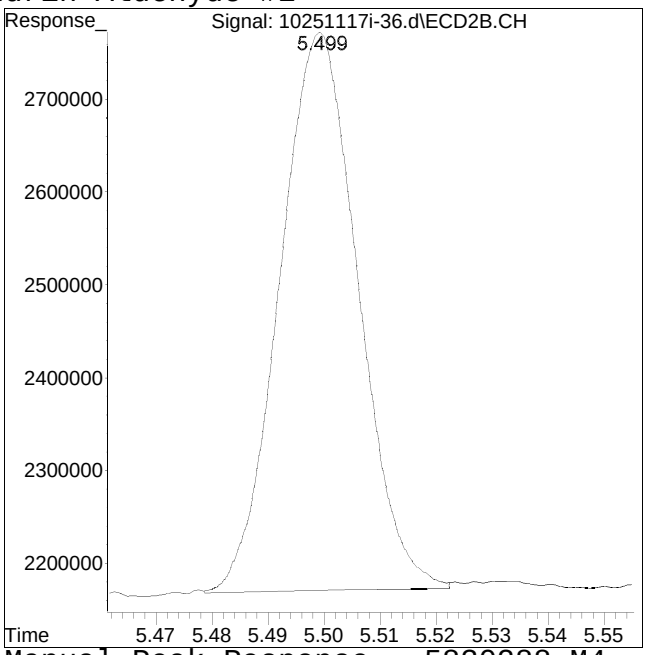
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 5994474



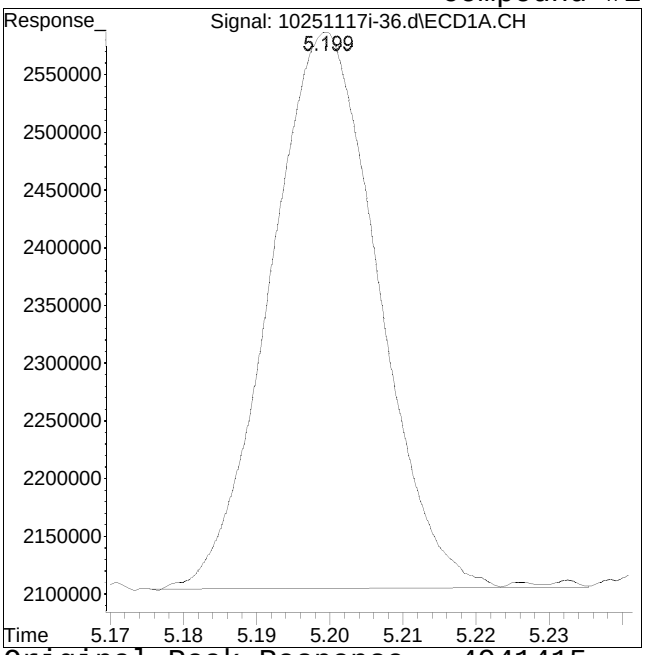
Manual Peak Response = 5830288 M4

M4 = Poor automated baseline construction.

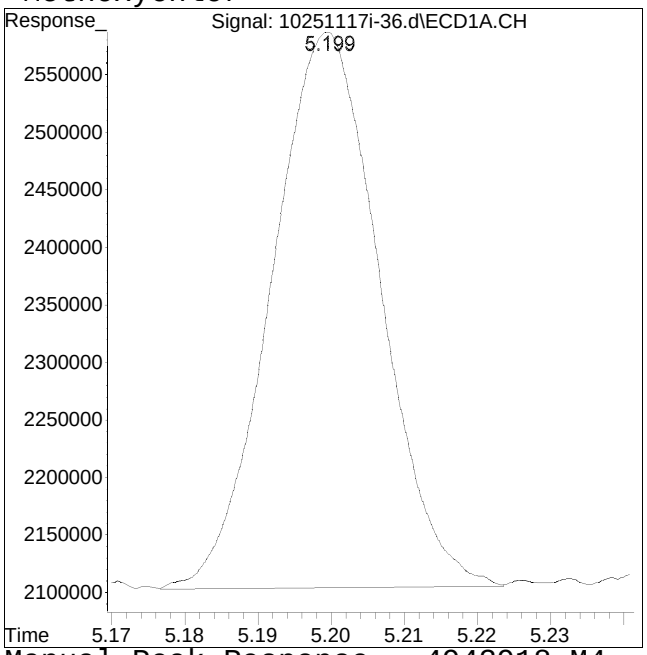
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #23: Methoxychlor



Original Peak Response = 4941415



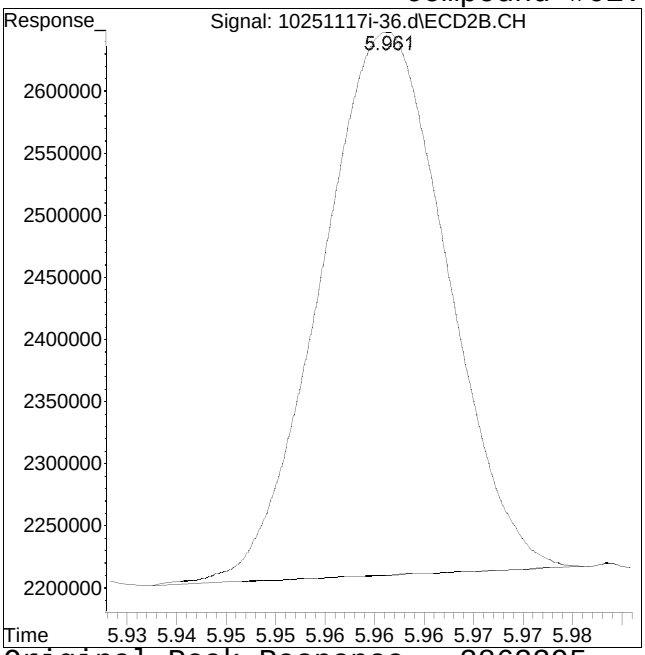
Manual Peak Response = 4943918 M4

M4 = Poor automated baseline construction.

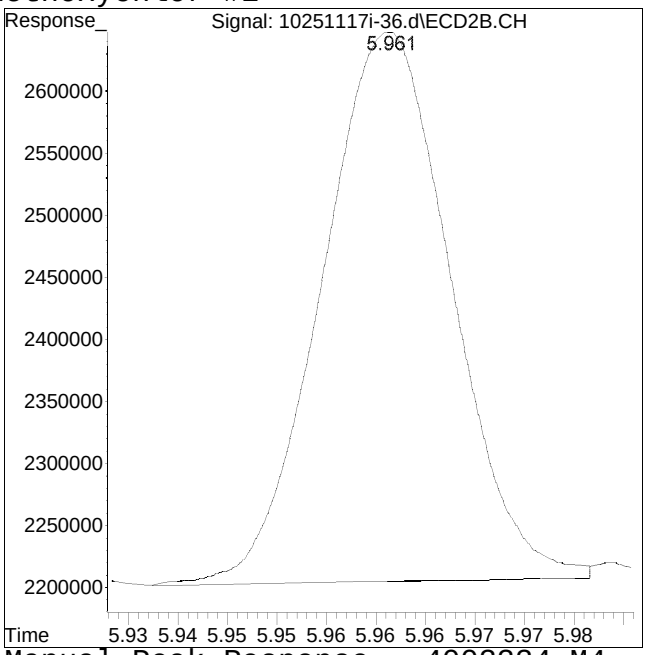
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #61: Methoxychlor #2



Original Peak Response = 3863395



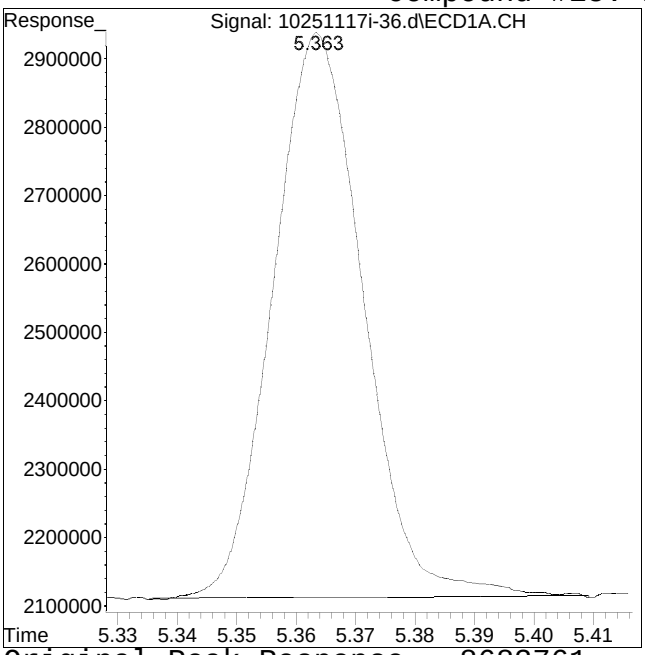
Manual Peak Response = 4003334 M4

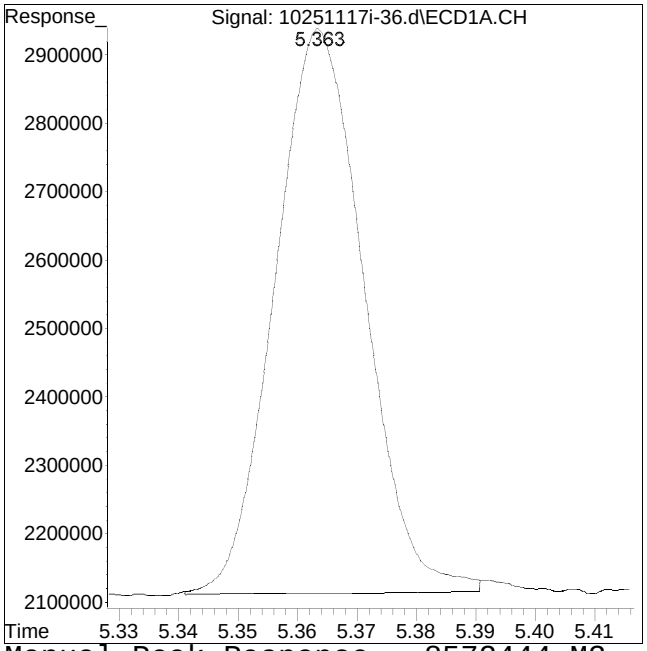
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #25: Endosulfan Sulfate



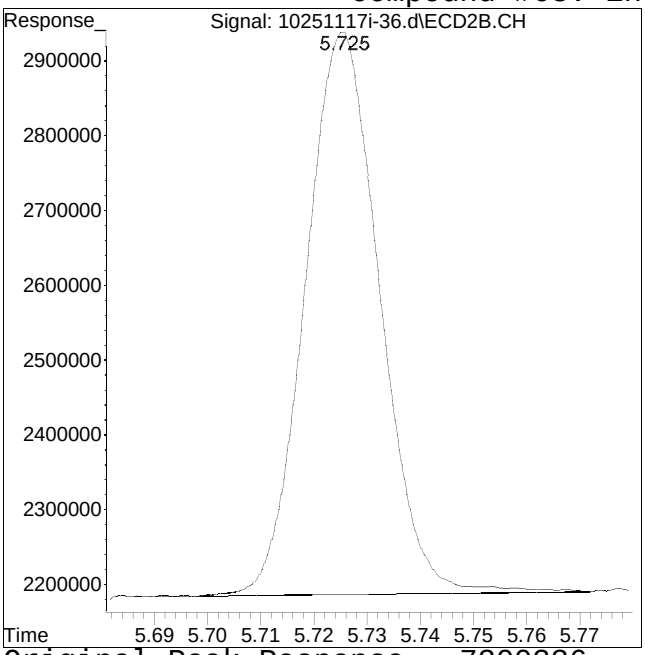


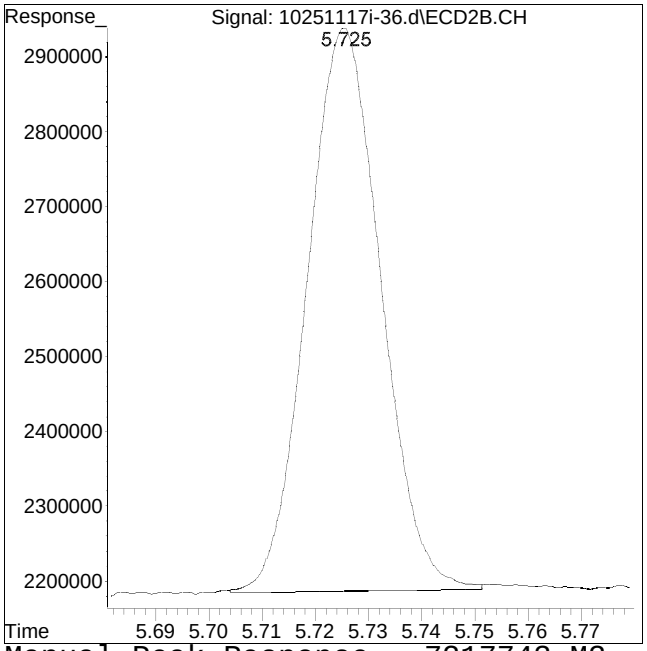
Original Peak Response = 8683761 Manual Peak Response = 8572444 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #63: Endosulfan Sulfate #2



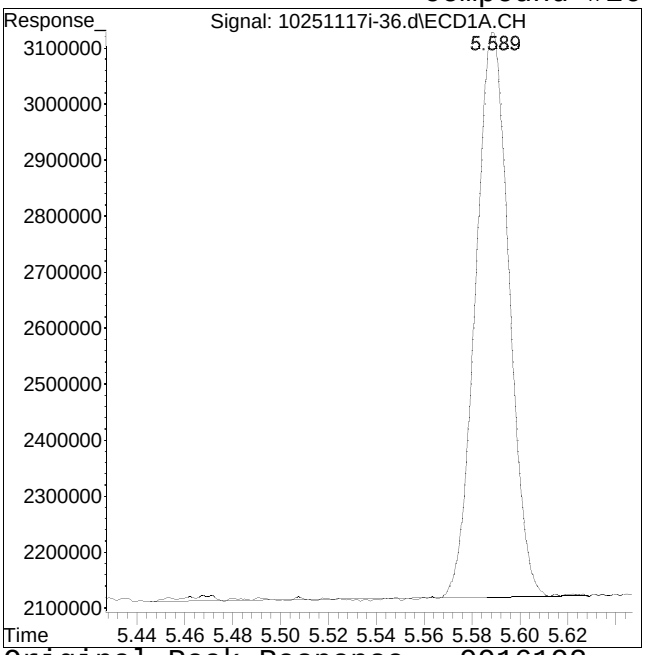


Original Peak Response = 7300336 Manual Peak Response = 7217743 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

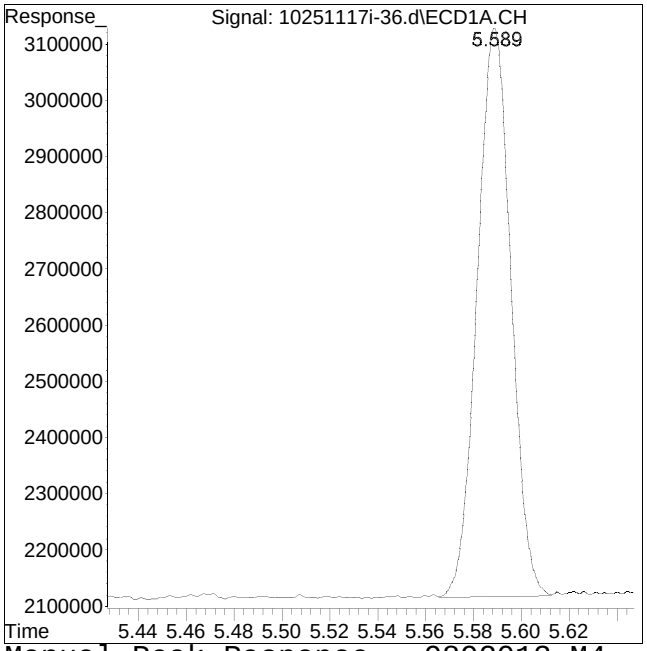
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #26: Endrin Ketone



Original Peak Response = 9916192



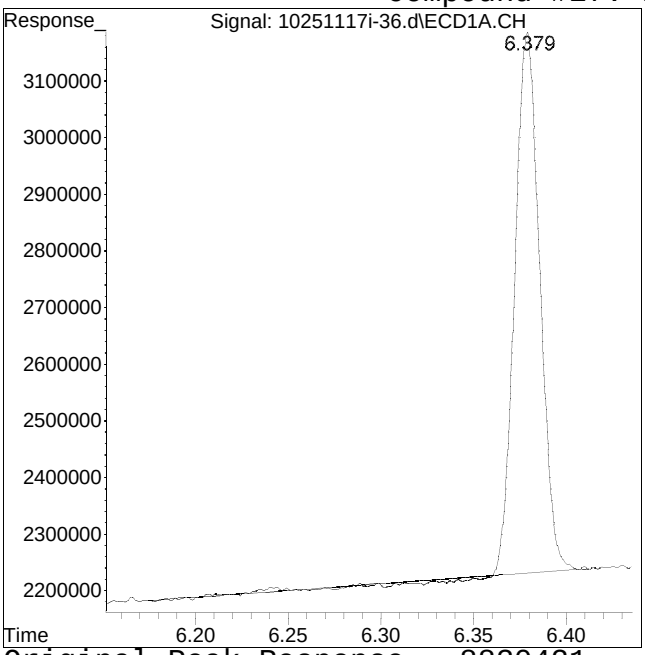
Manual Peak Response = 9892013 M4

M4 = Poor automated baseline construction.

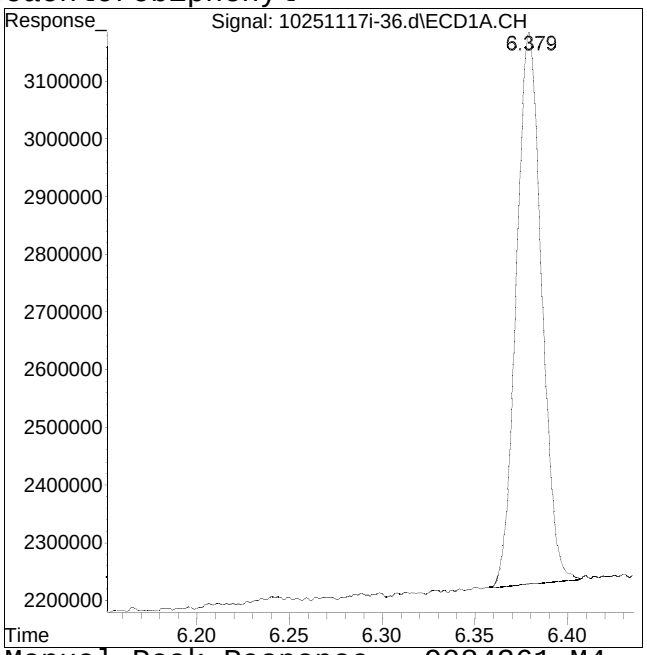
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 8830421



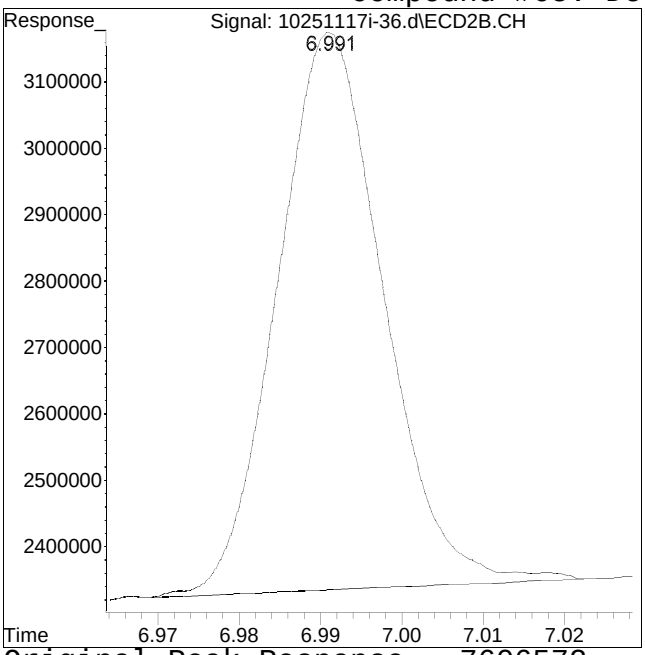
Manual Peak Response = 9084361 M4

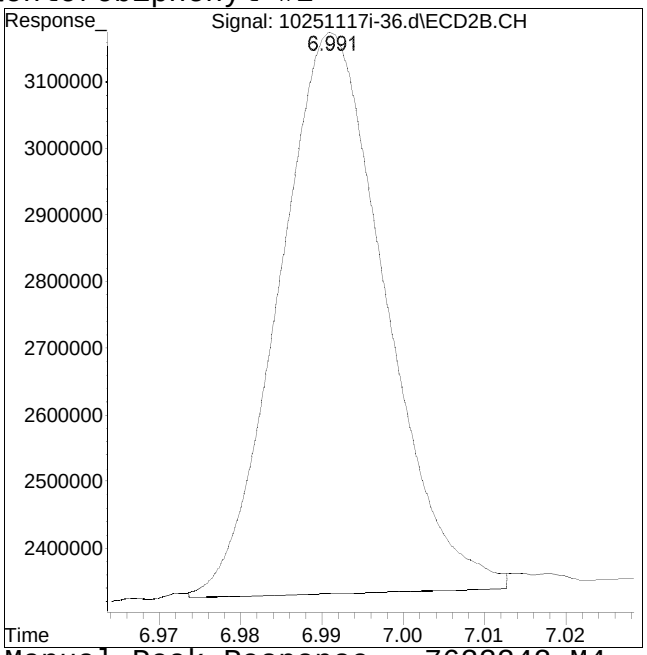
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-36.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:12 Instrument : Pest 10
Sample : il5pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:18 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 7606572 Manual Peak Response = 7623242 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-37.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 14:23
Operator : PEST10:akm
Sample : il6pest,42e,,pp 12310 L0.004
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:14:24 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:14:16 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.361	1.420	57802887	53566542	25.000M4	25.000M4
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	1.714	1.907	12160448	10310031	3.983M4	3.863M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		7.97%#	7.73%#
27)	s	Decachlorobi	6.379	6.993	11065313	9330664	4.238M4	4.183M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		8.48%#	8.37%#
		Target Compounds						
3)	t	Hexachlorobe	1.935	2.236	14643763	11744260	4.273M4	4.107
4)	t	alpha-BHC	2.036	2.333	13938724	12396923	3.477M4	3.207
5)	t	gamma-BHC (l	2.245	2.625	13152524	11724016	3.645M4	3.412
6)	t	beta-BHC	2.302	2.690	6809525	6240555	4.196M4	4.059
7)	t	delta-BHC	2.435	2.962	12635689	11145522	3.504M4	3.213
8)	t	Heptachlor	2.602	3.031	13160878	11292494	3.734M4	3.533
9)	t	Aldrin	2.852	3.357	12620093	11130795	3.517M4	3.327
10)	t	Alachlor	2.976	3.236	2316488	1930185	4.121M4	4.068
11)	t	Chlorpyrifos	3.068	3.595	6720447	6160492	4.548M4	4.315

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-37.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 14:23
Operator : PEST10:akm
Sample : il6pest,42e,,pp 12310 L0.004
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:14:24 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:14:16 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12) t	Heptachlor E	3.411	3.982	11807400	10530023	3.805	3.630M4
13) t	gamma-Chlord	3.537	4.204	12586488	11124138	3.585	3.466M4
14) t	alpha-Chlord	3.674	4.371	12806359	11084508	3.702	3.511
15) t	4,4'-DDE	3.771	4.561	11886895	10082376	3.331	3.117M4
16) t	Endosulfan I	3.815	4.431	11803271	10097093	3.736	3.510
17) t	Dieldrin	4.080	4.717	12106670	10271946	3.571	3.336M4
18) t	Endrin	4.334	5.010	11800896	9898077	3.619M4	3.395M4
19) t	4,4'-DDD	4.436	5.127	9526712	7683169	3.490	3.226M4
20) t	Endosulfan I	4.568	5.206	11038603	9089602	3.758	3.528M4
21) t	4,4'-DDT	4.722	5.402	9736760	7955668	3.487	3.385M4
22) t	Endrin Aldeh	4.977	5.499	8643501	7240210	3.804M4	3.599M4
23) t	Methoxychlor	5.198	5.961	5947195	4843539	4.039M4	3.976M4
24) t	Mirex	5.261	6.104	10246706	8564630	4.271M4	4.292
25) t	Endosulfan S	5.363	5.726	10439705	8723956	3.961M3	3.712
26) t	Endrin Keton	5.589	6.137	12047039	9899034	3.934	3.729
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-37.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 14:23
Operator : PEST10:akm
Sample : il6pest,42e,,pp 12310 L0.004
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:14:24 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:14:16 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

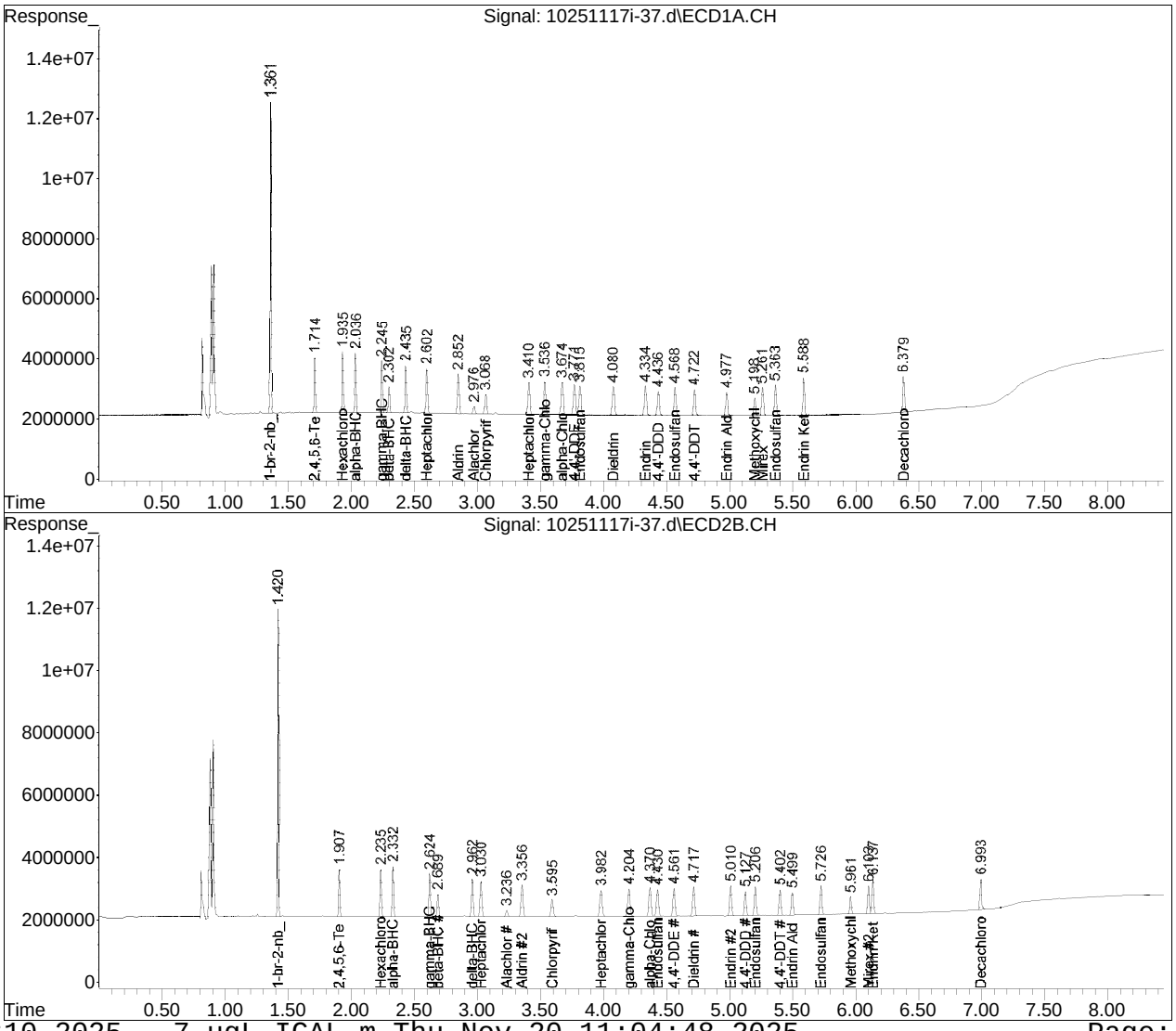
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-37.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 14:23
Operator : PEST10:akm
Sample : il6pest,42e,,pp 12310 L0.004
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:14:24 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:14:16 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

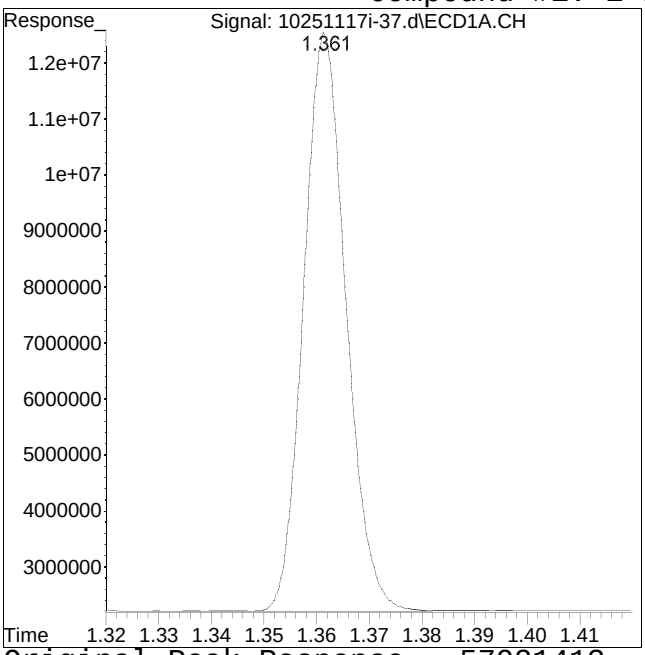
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



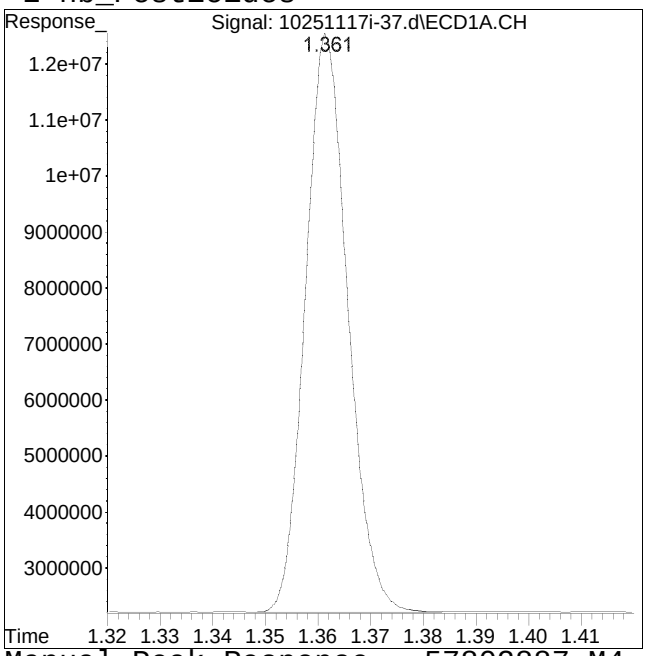
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 57921413



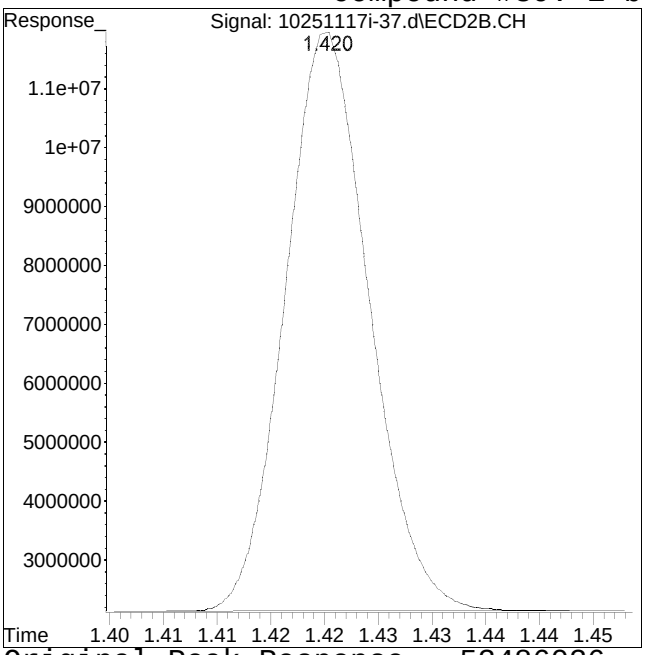
Manual Peak Response = 57802887 M4

M4 = Poor automated baseline construction.

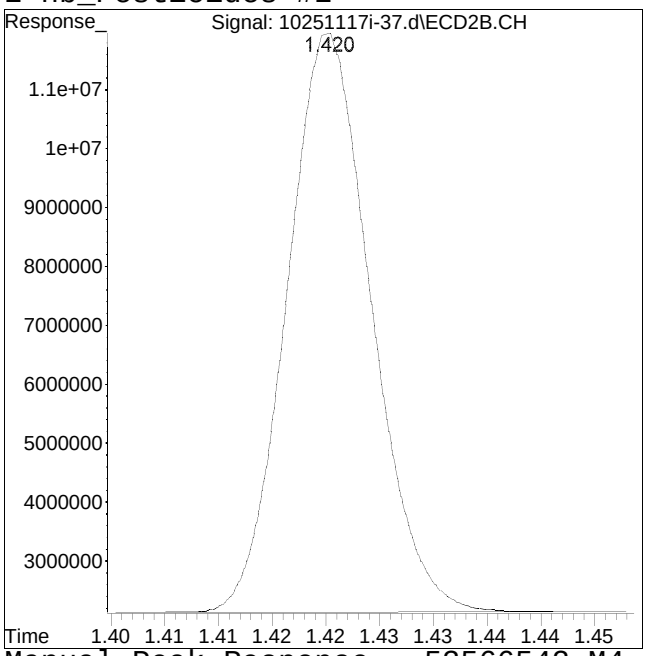
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 53486036



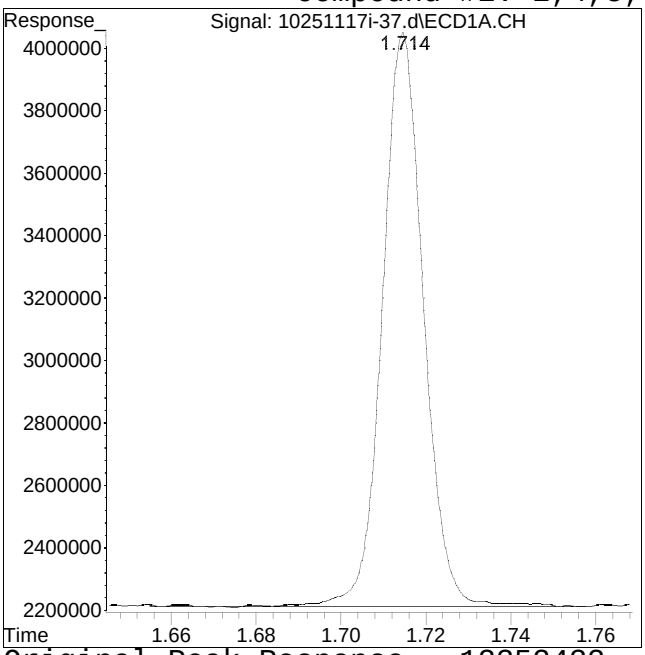
Manual Peak Response = 53566542 M4

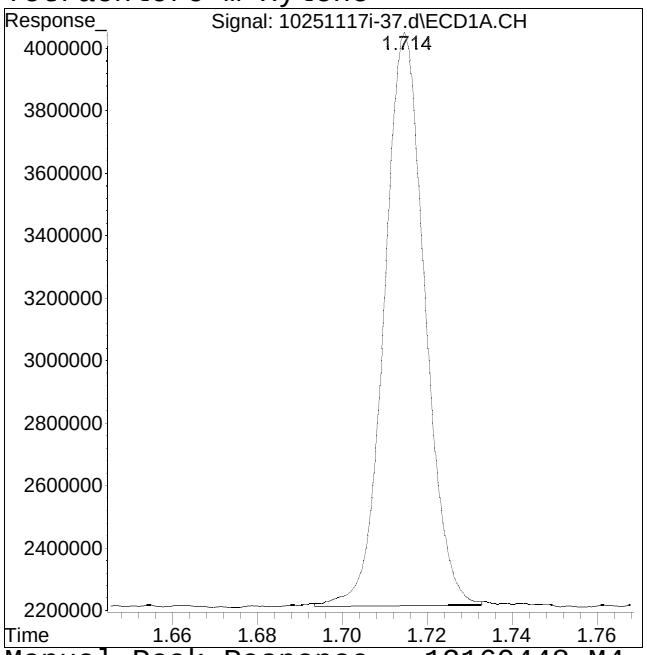
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



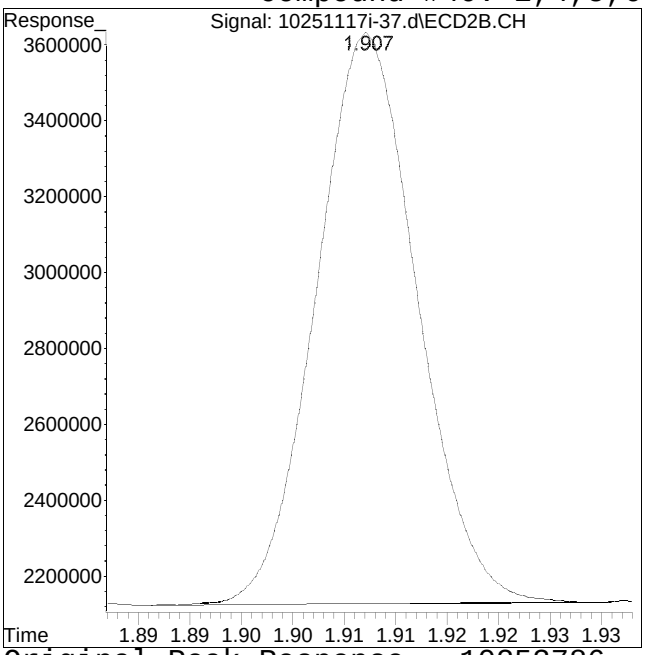


Original Peak Response = 12352432 Manual Peak Response = 12160448 M4
M4 = Poor automated baseline construction.

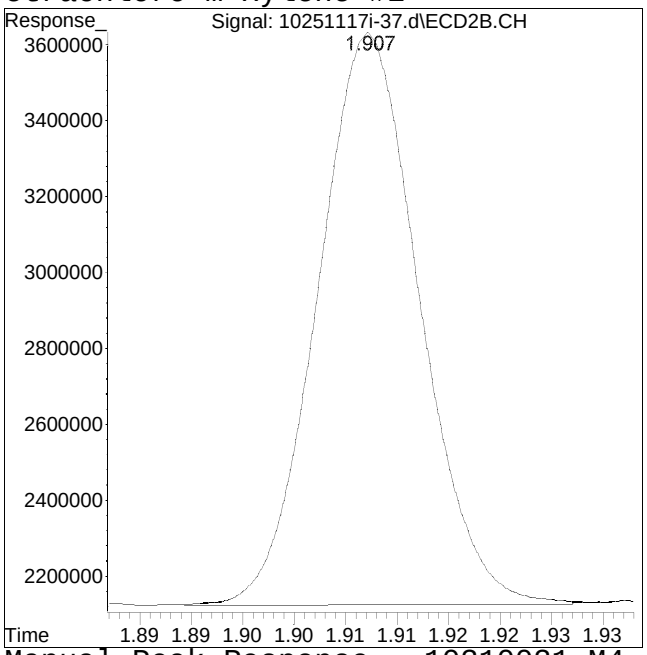
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 10253786



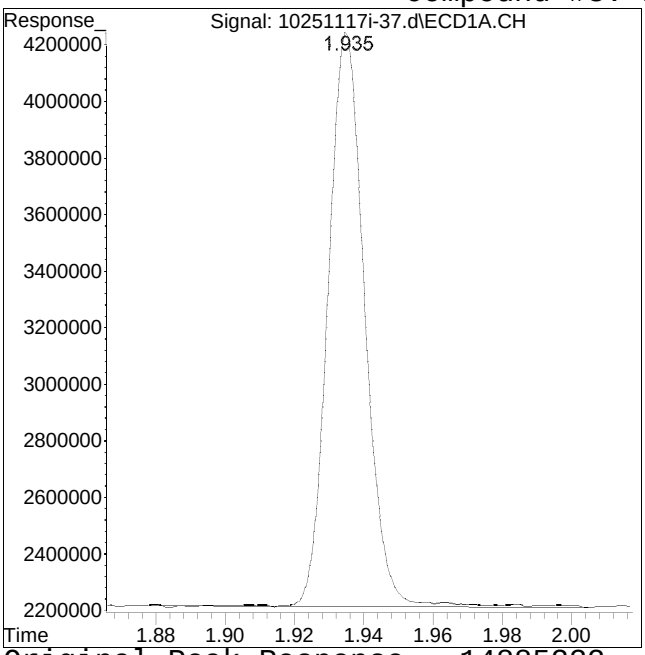
Manual Peak Response = 10310031 M4

M4 = Poor automated baseline construction.

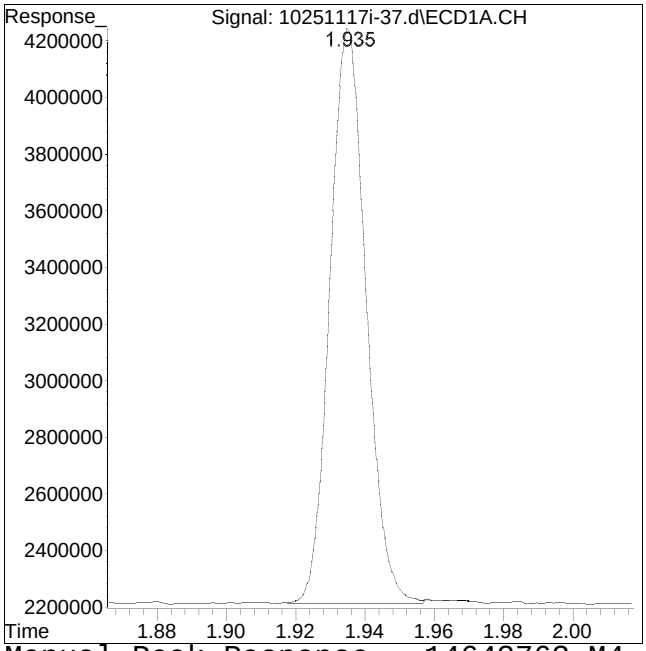
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #3: Hexachlorobenzene



Original Peak Response = 14885232

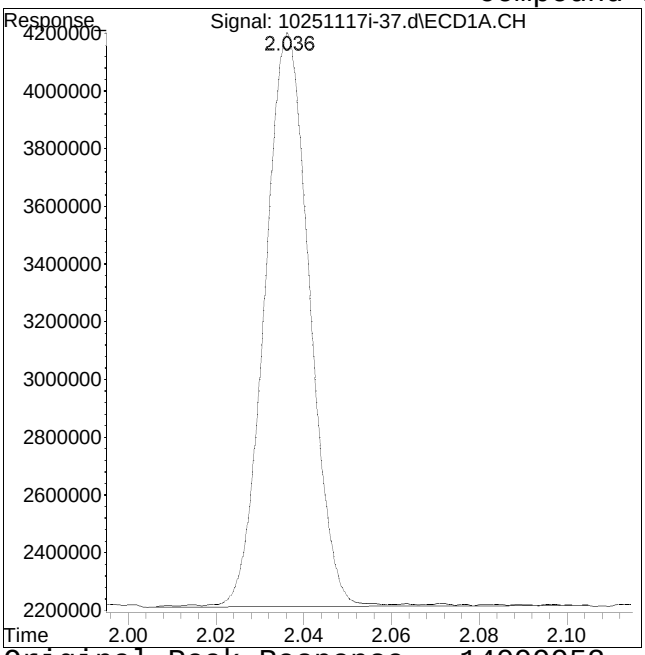


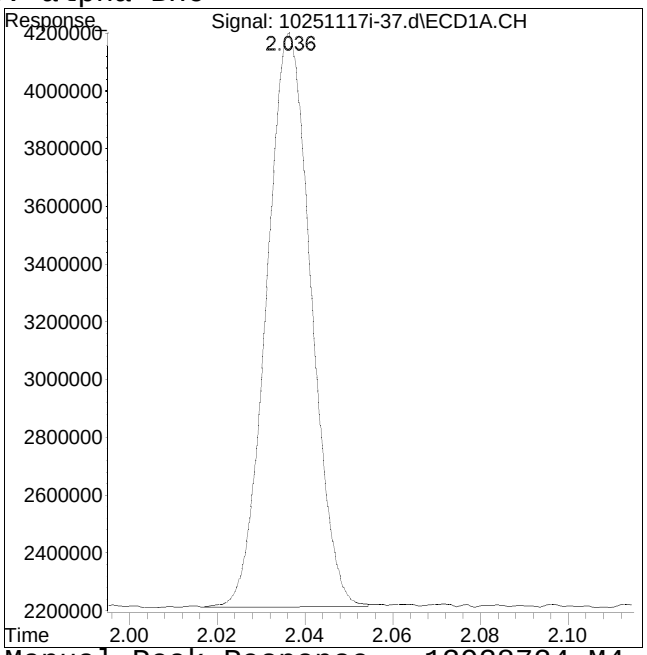
Manual Peak Response = 14643763 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #4: alpha-BHC



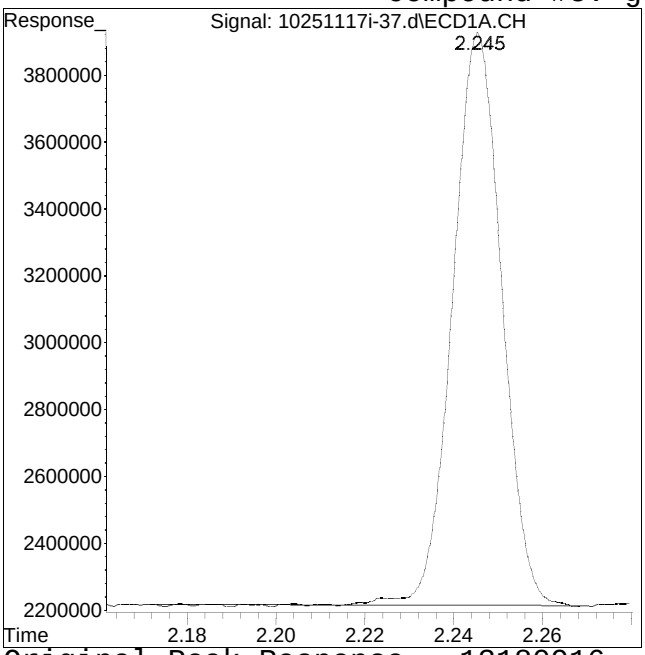


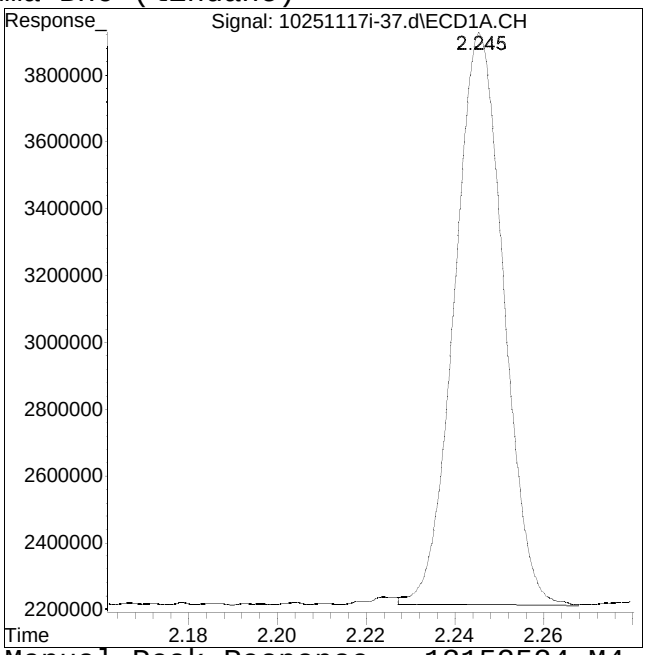
Original Peak Response = 14099952 Manual Peak Response = 13938724 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #5: gamma-BHC (lindane)



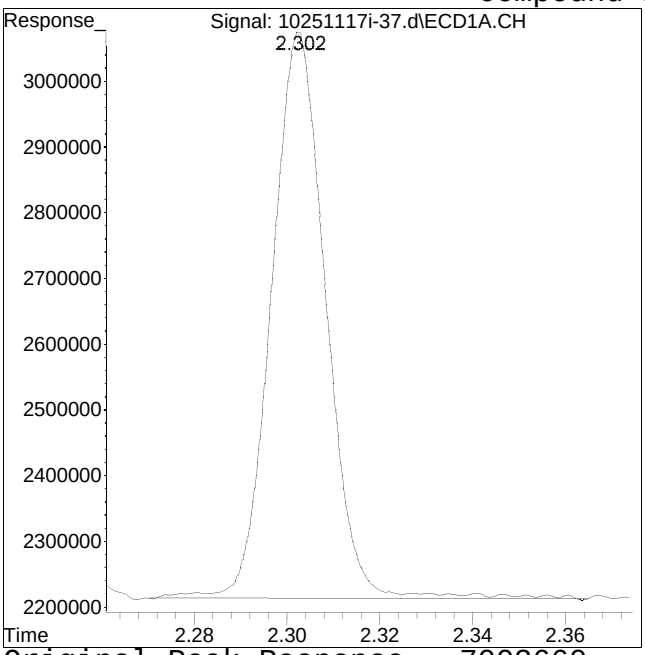


Original Peak Response = 13180916 Manual Peak Response = 13152524 M4
M4 = Poor automated baseline construction.

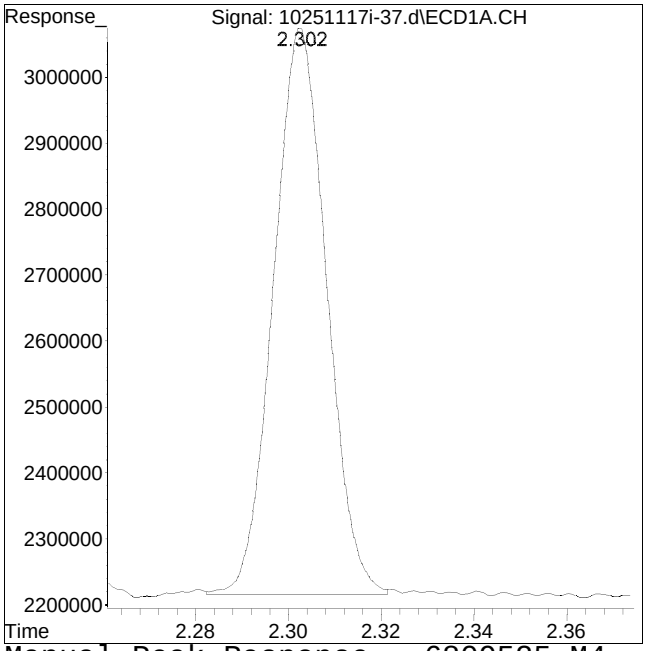
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #6: beta-BHC



Original Peak Response = 7003660



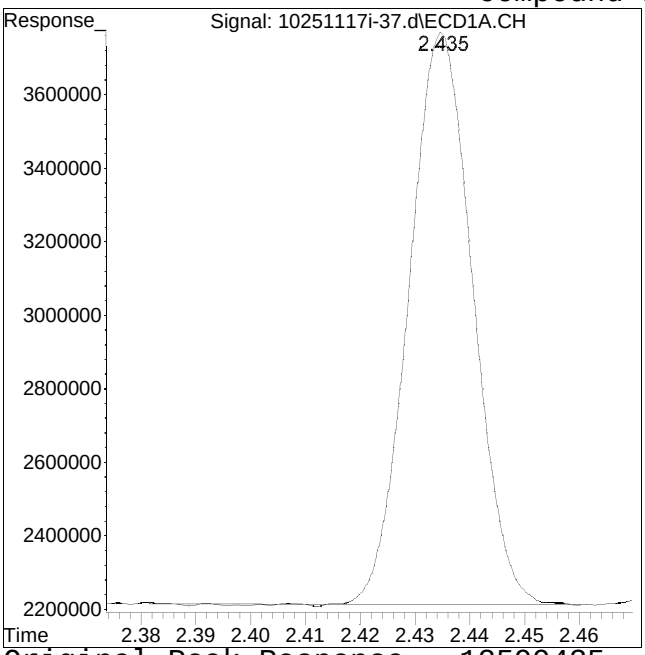
Manual Peak Response = 6809525 M4

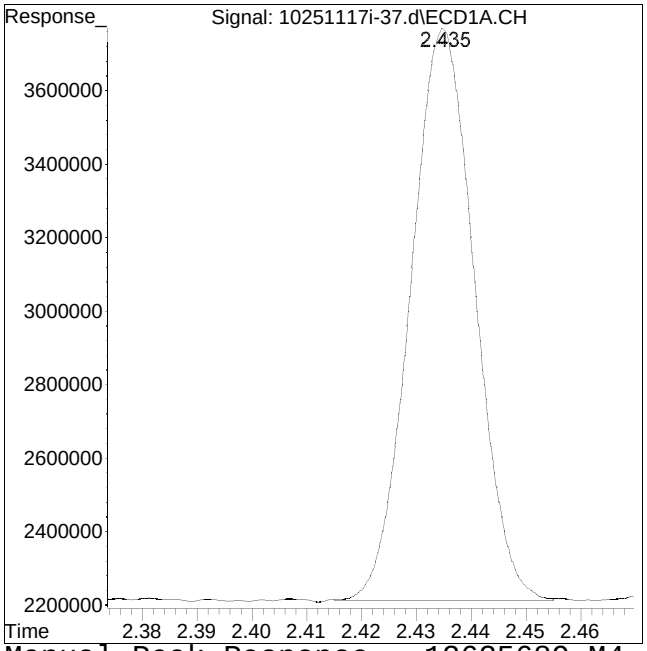
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #7: delta-BHC



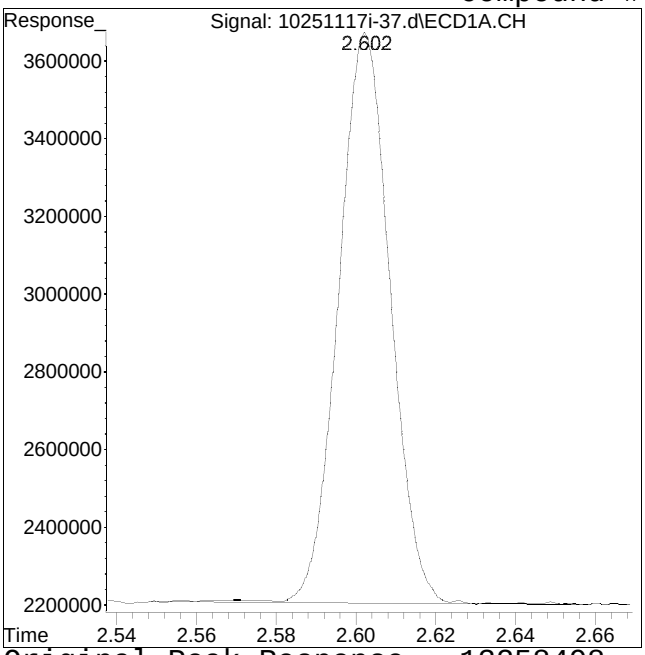


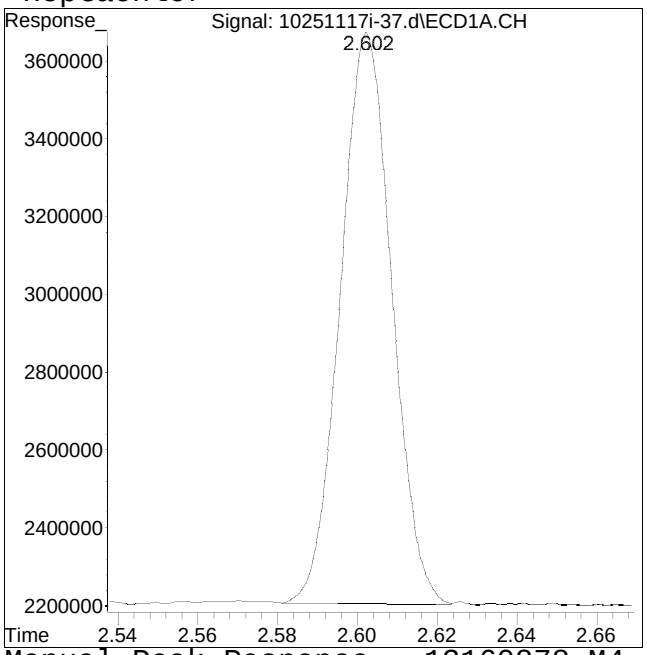
Original Peak Response = 12599435 Manual Peak Response = 12635689 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #8: Heptachlor



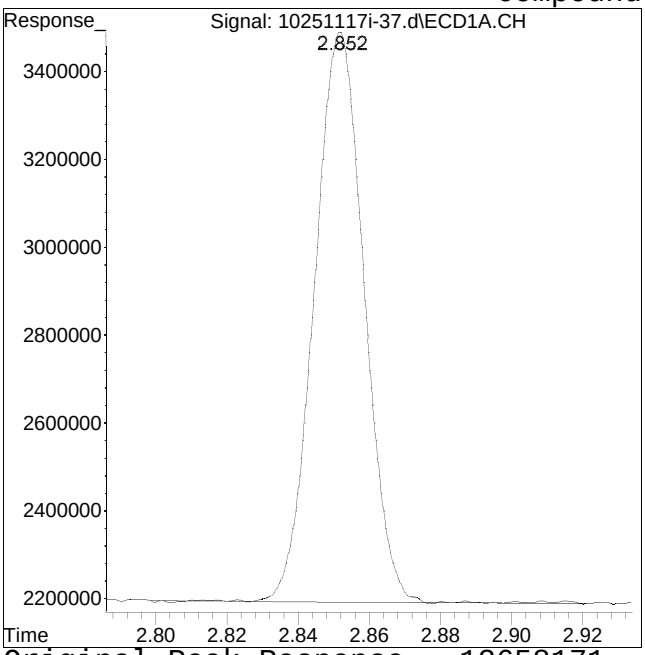


Original Peak Response = 13258498 Manual Peak Response = 13160878 M4
M4 = Poor automated baseline construction.

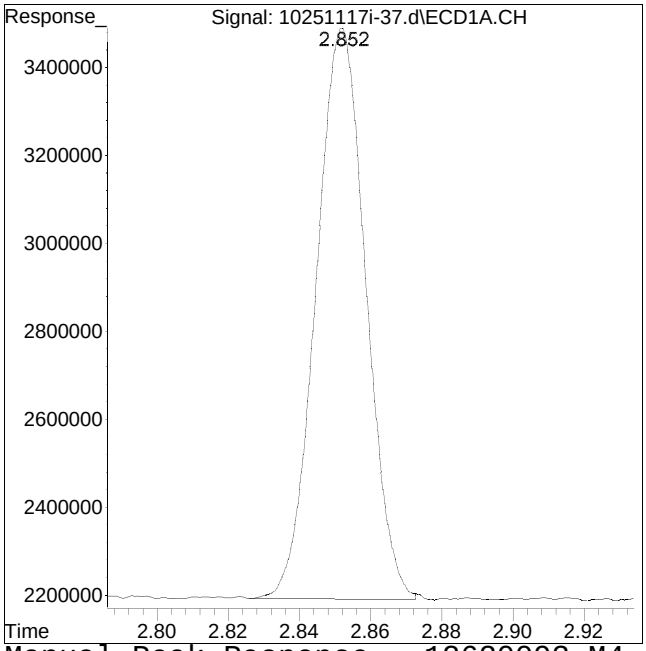
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #9: Aldrin



Original Peak Response = 12658171



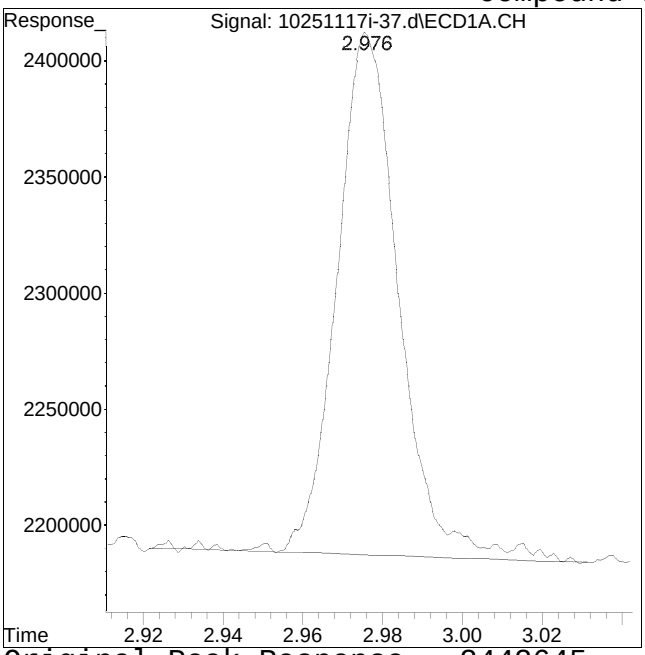
Manual Peak Response = 12620093 M4

M4 = Poor automated baseline construction.

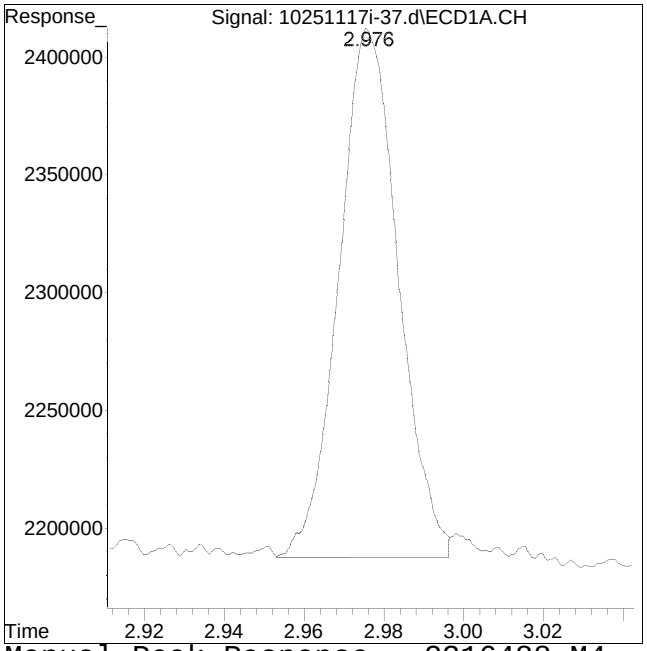
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #10: Alachlor



Original Peak Response = 2442645



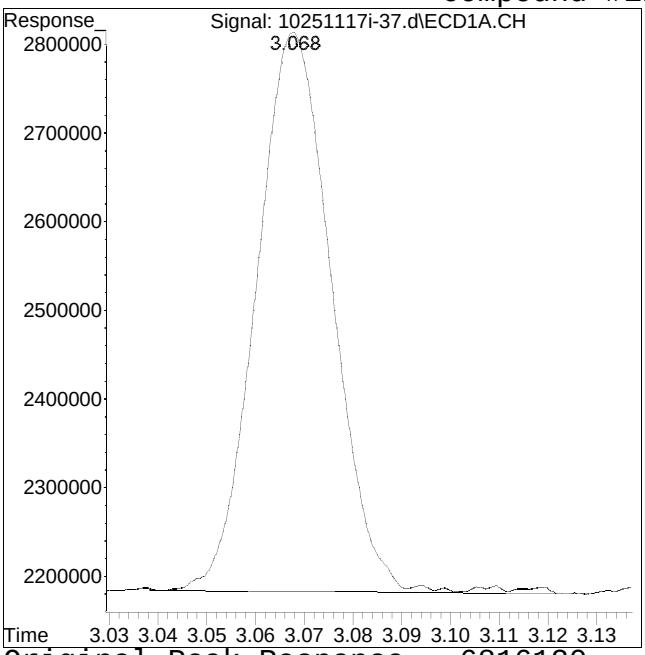
Manual Peak Response = 2316488 M4

M4 = Poor automated baseline construction.

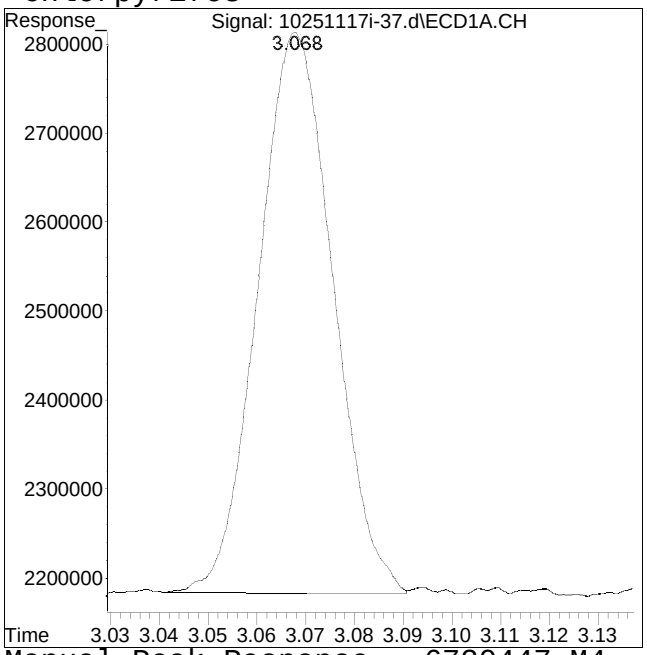
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #11: Chlorpyrifos



Original Peak Response = 6816120



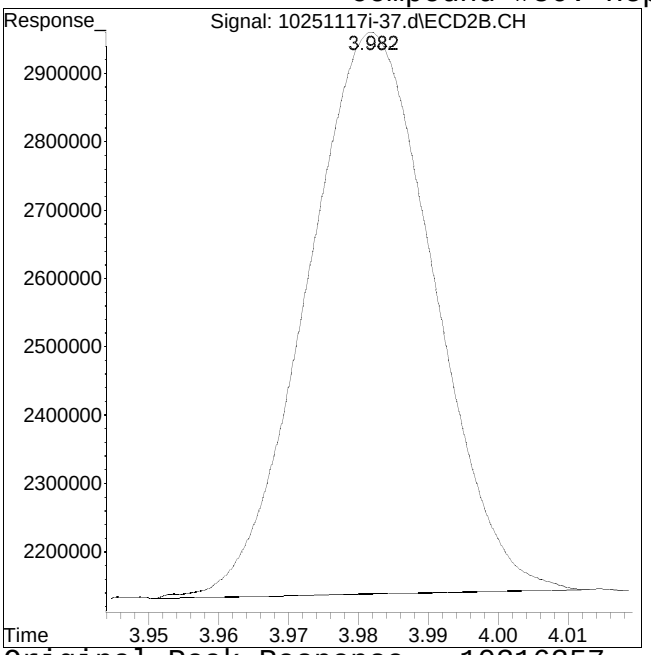
Manual Peak Response = 6720447 M4

M4 = Poor automated baseline construction.

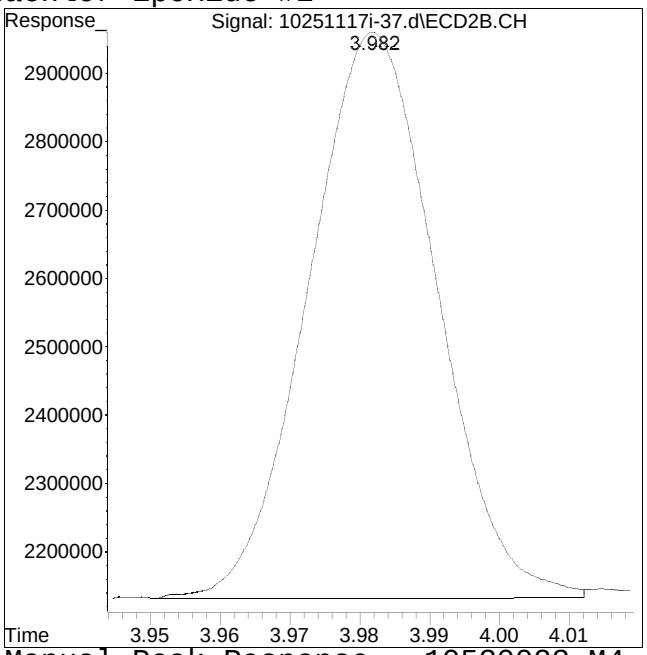
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 10316357



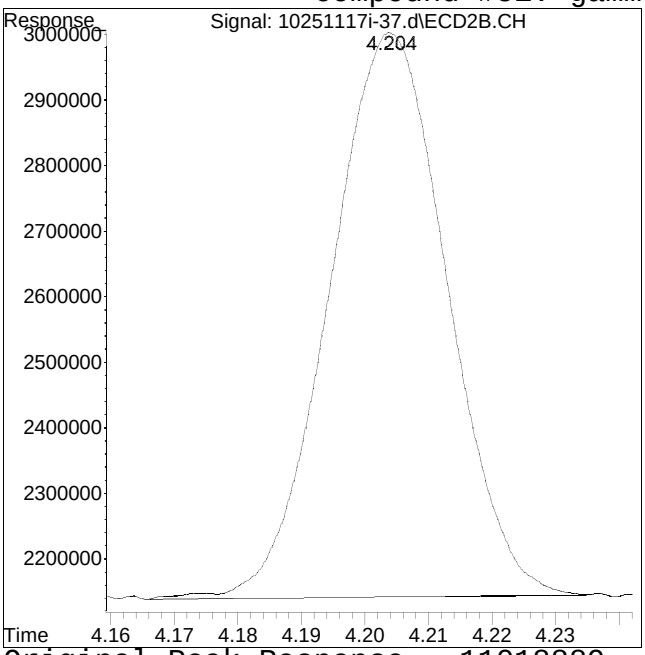
Manual Peak Response = 10530023 M4

M4 = Poor automated baseline construction.

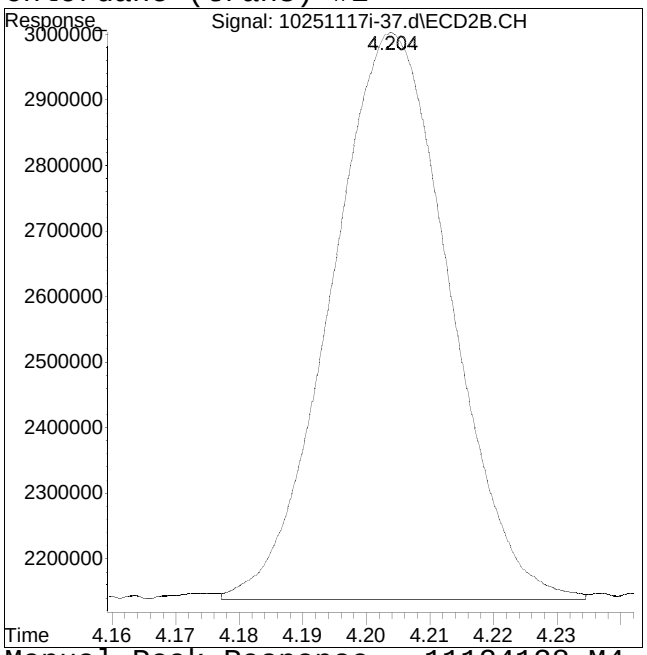
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 11018889



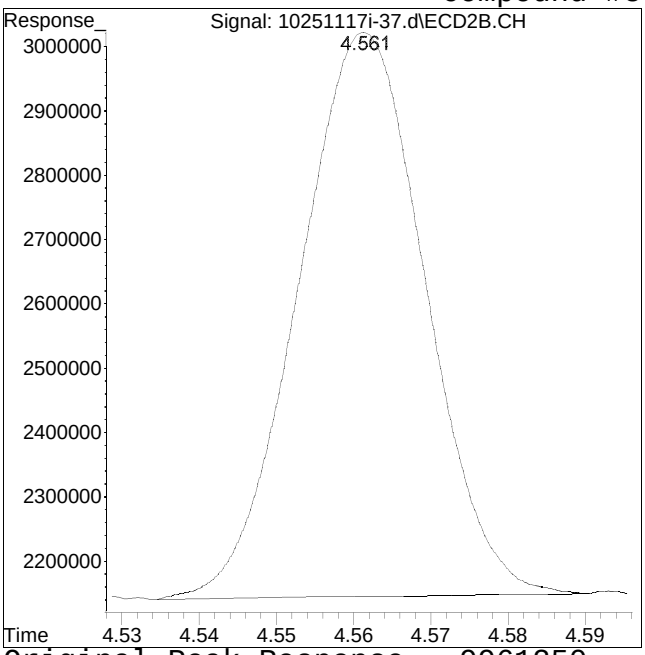
Manual Peak Response = 11124138 M4

M4 = Poor automated baseline construction.

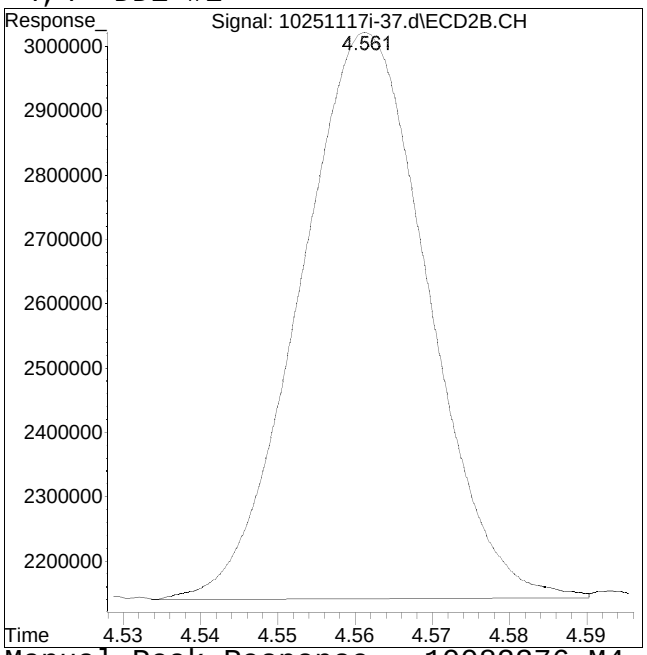
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 9961250



Manual Peak Response = 10082376 M4

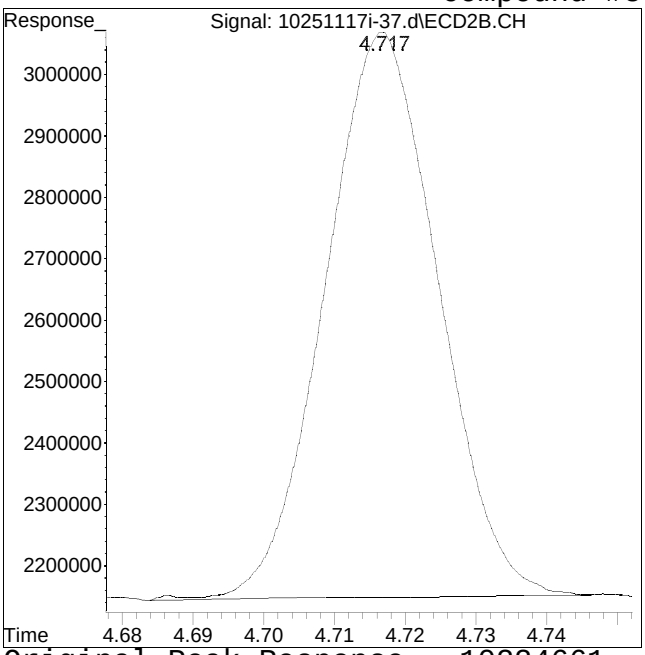
M4 = Poor automated baseline construction.

Manual Integration Report

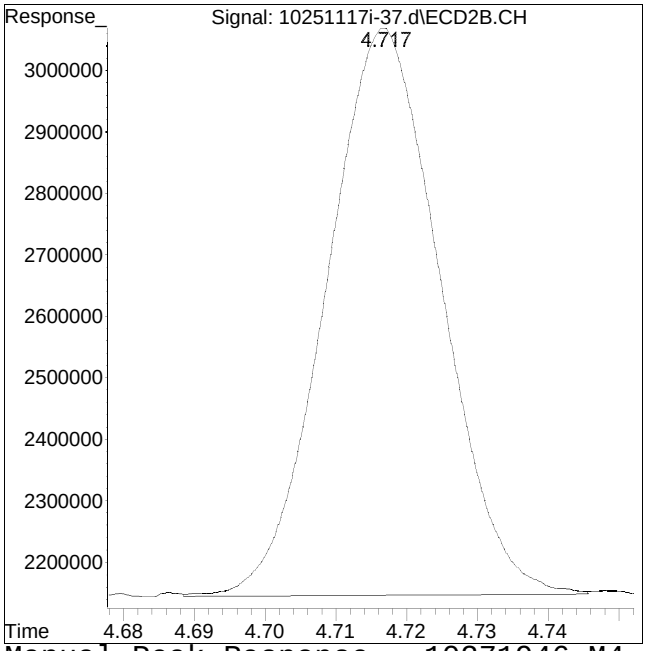
Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-37.d
Date Inj'd : 11/19/2025 14:23
Sample : il6pest,42e,,pp 12310 L0.0

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 9:14 am

Compound #55: Dieldrin #2



Original Peak Response = 10224661



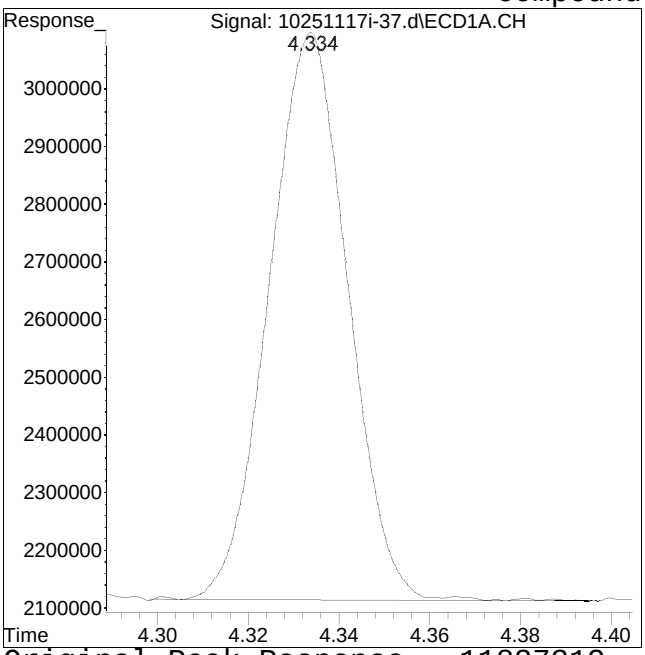
Manual Peak Response = 10271946 M4

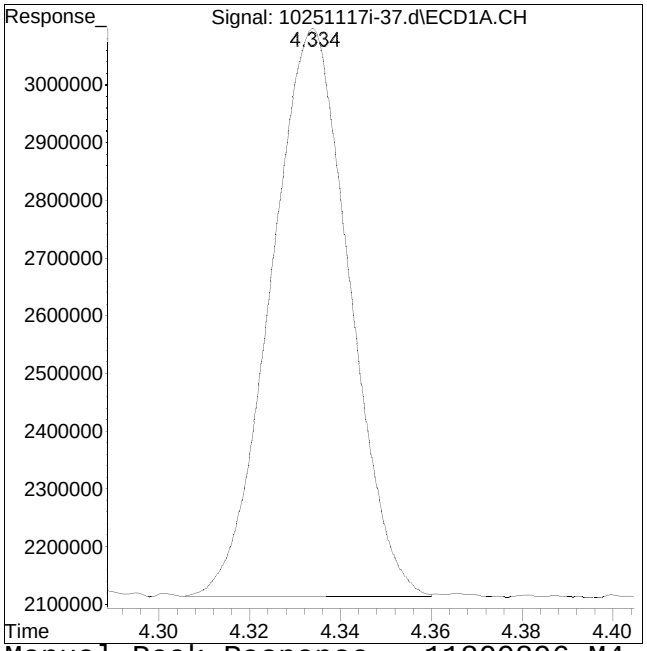
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #18: Endrin



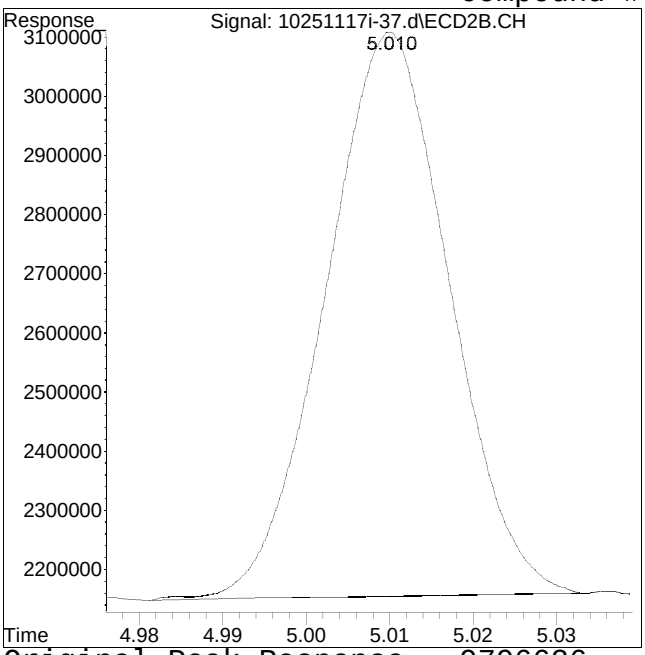


Original Peak Response = 11837312 Manual Peak Response = 11800896 M4
M4 = Poor automated baseline construction.

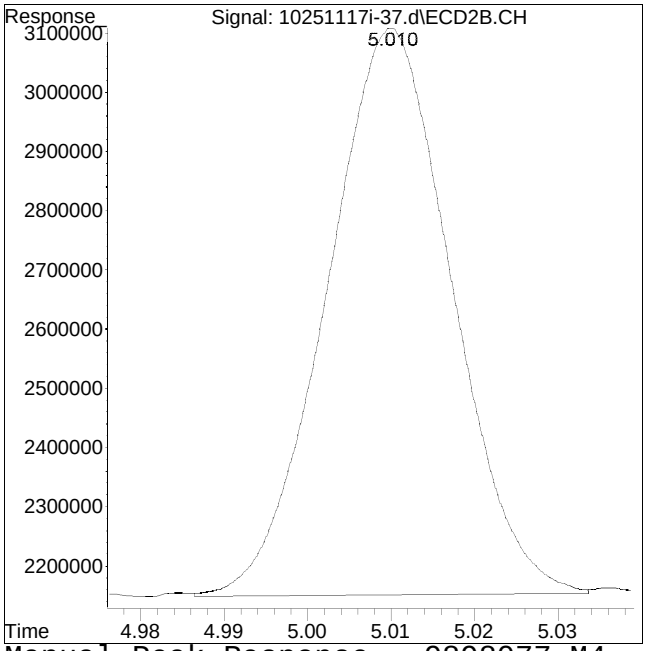
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #56: Endrin #2



Original Peak Response = 9796626



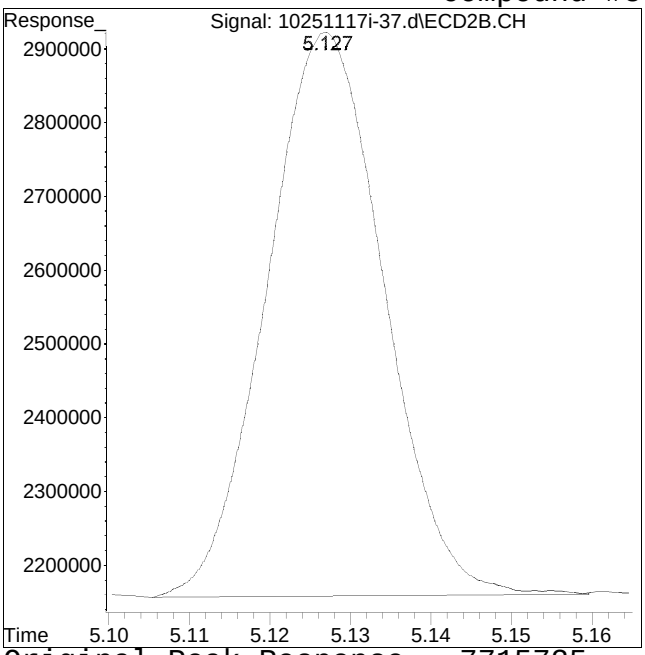
Manual Peak Response = 9898077 M4

M4 = Poor automated baseline construction.

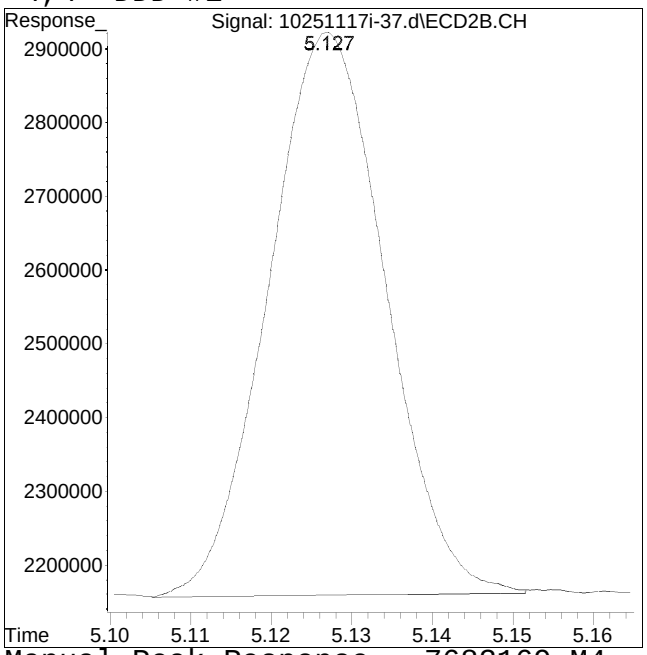
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 7715725



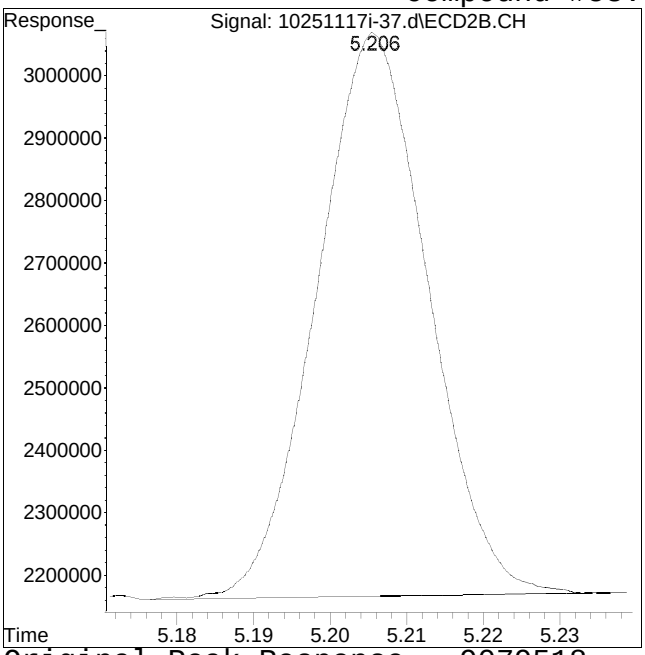
Manual Peak Response = 7683169 M4

M4 = Poor automated baseline construction.

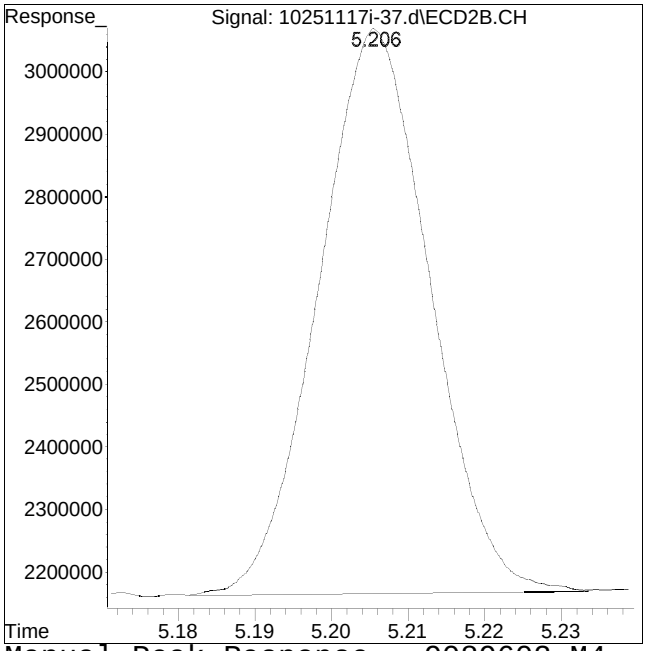
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #58: Endosulfan II #2



Original Peak Response = 9079518



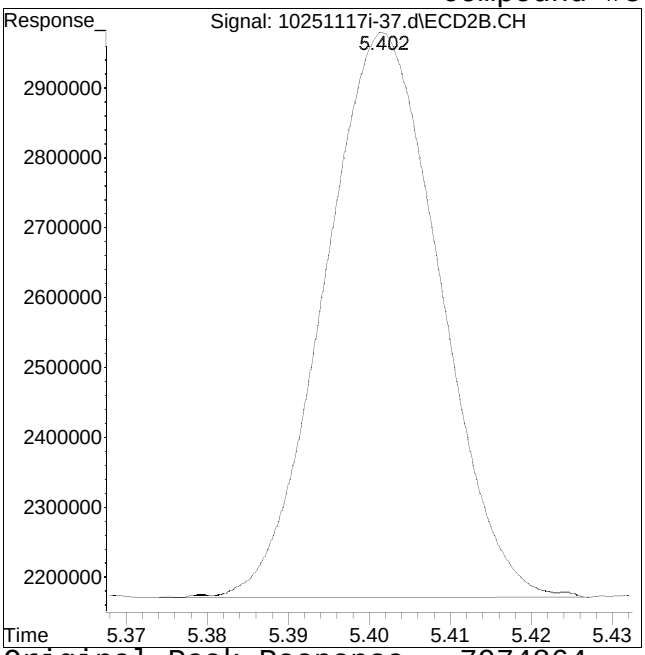
Manual Peak Response = 9089602 M4

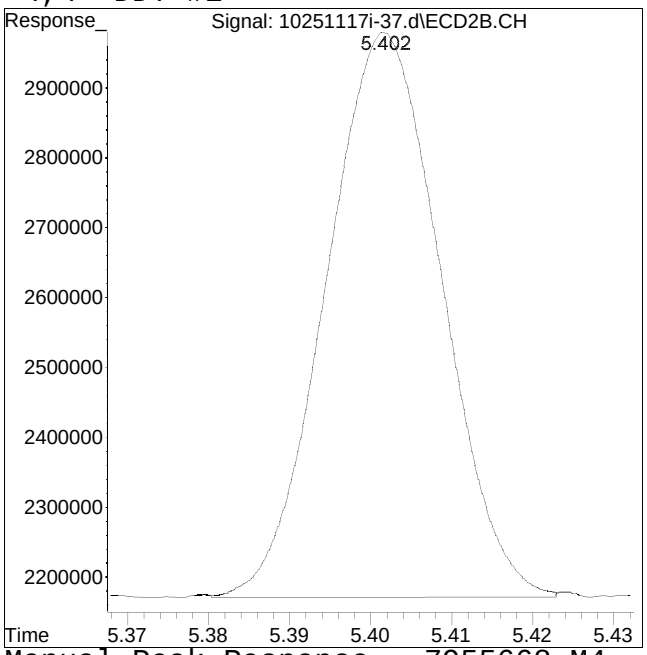
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #59: 4,4'-DDT #2





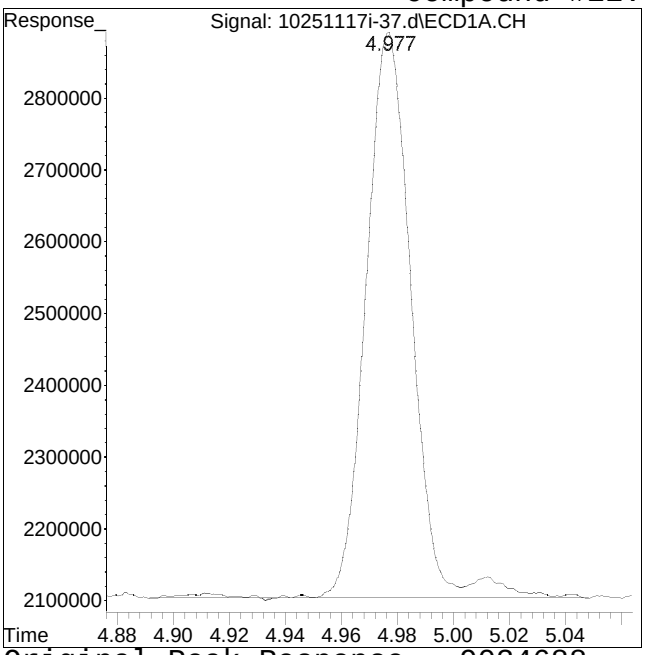
Original Peak Response = 7974864 Manual Peak Response = 7955668 M4
M4 = Poor automated baseline construction.

Manual Integration Report

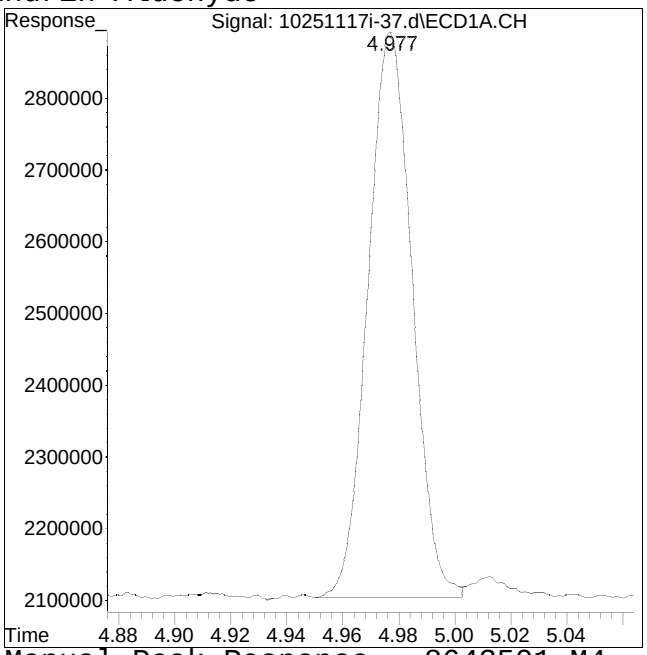
Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-37.d
Date Inj'd : 11/19/2025 14:23
Sample : il6pest,42e,,pp 12310 L0.0

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 9:14 am

Compound #22: Endrin Aldehyde



Original Peak Response = 9034688



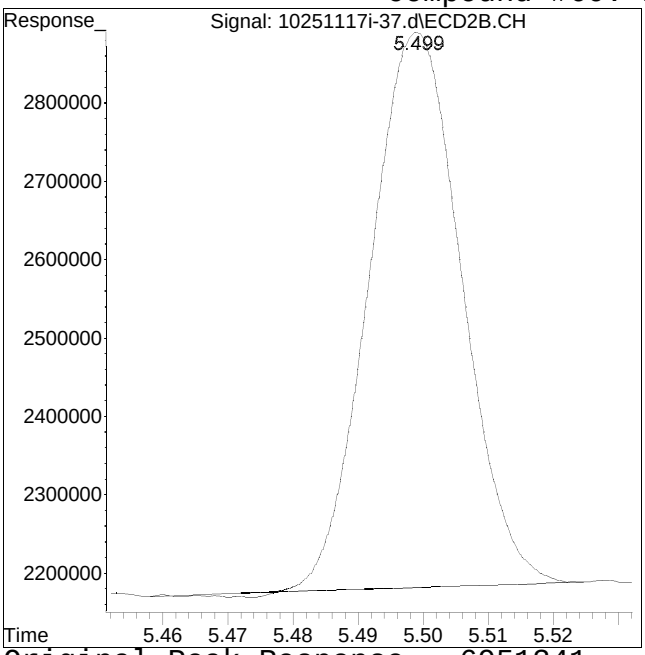
Manual Peak Response = 8643501 M4

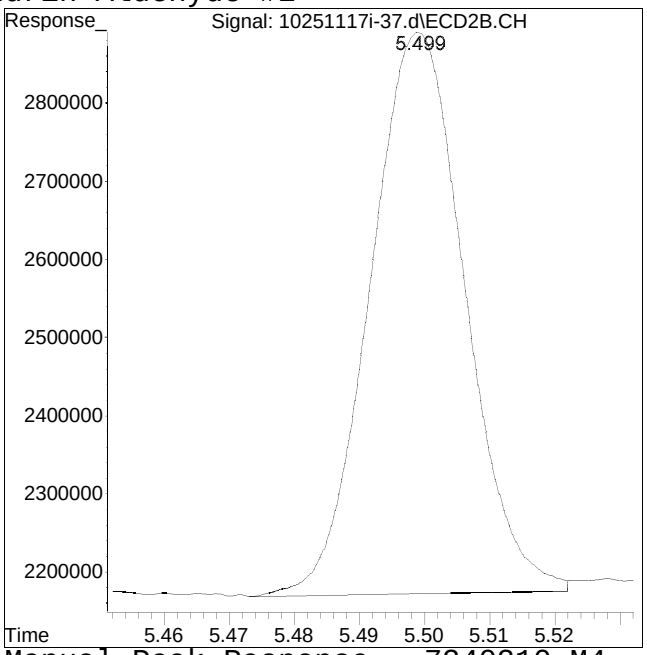
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #60: Endrin Aldehyde #2





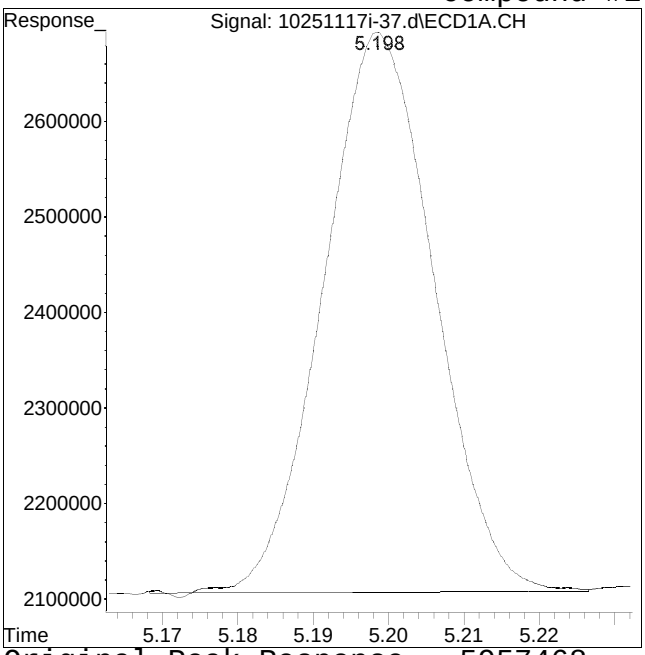
Original Peak Response = 6951341 Manual Peak Response = 7240210 M4
M4 = Poor automated baseline construction.

Manual Integration Report

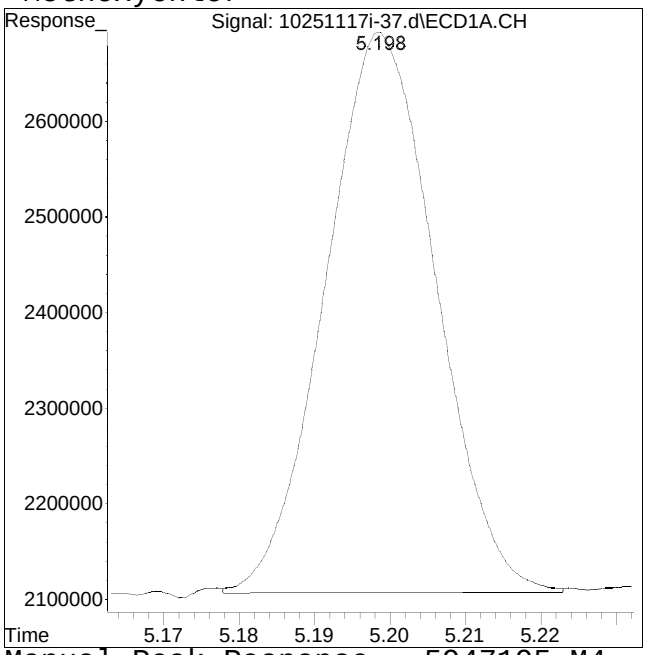
Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-37.d
Date Inj'd : 11/19/2025 14:23
Sample : il6pest,42e,,pp 12310 L0.0

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 9:14 am

Compound #23: Methoxychlor



Original Peak Response = 5957468



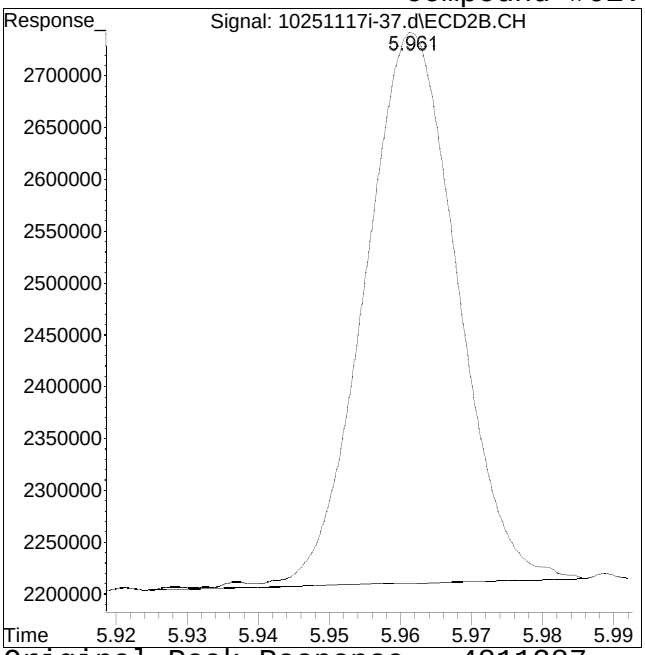
Manual Peak Response = 5947195 M4

M4 = Poor automated baseline construction.

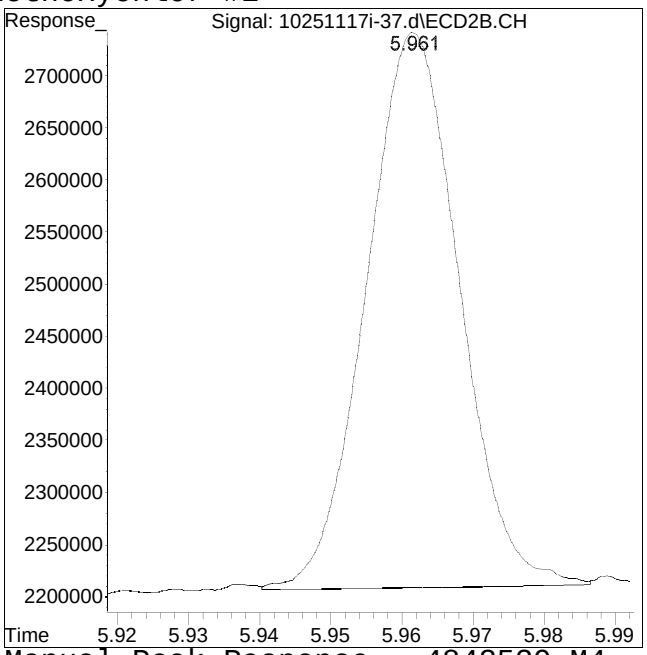
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #61: Methoxychlor #2



Original Peak Response = 4811287



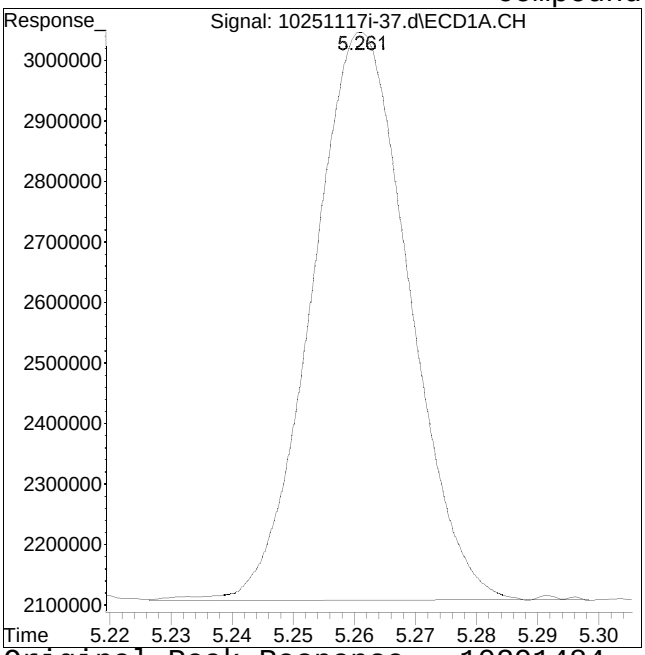
Manual Peak Response = 4843539 M4

M4 = Poor automated baseline construction.

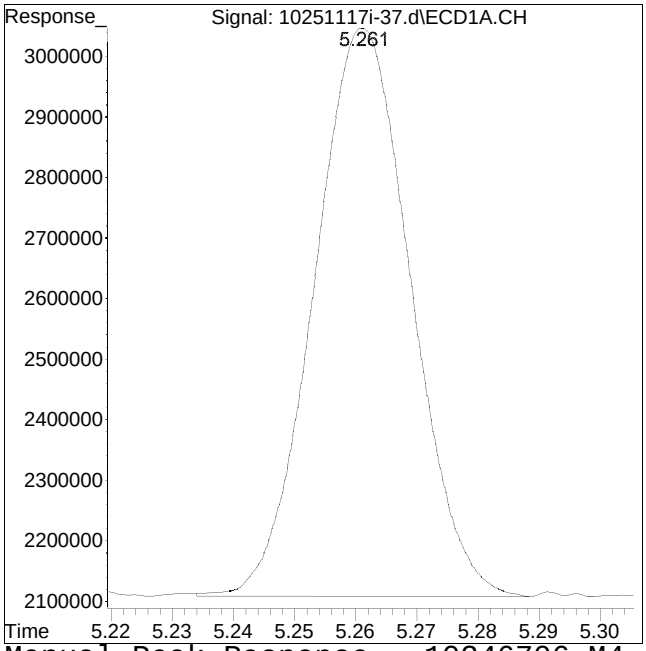
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #24: Mirex



Original Peak Response = 10291484



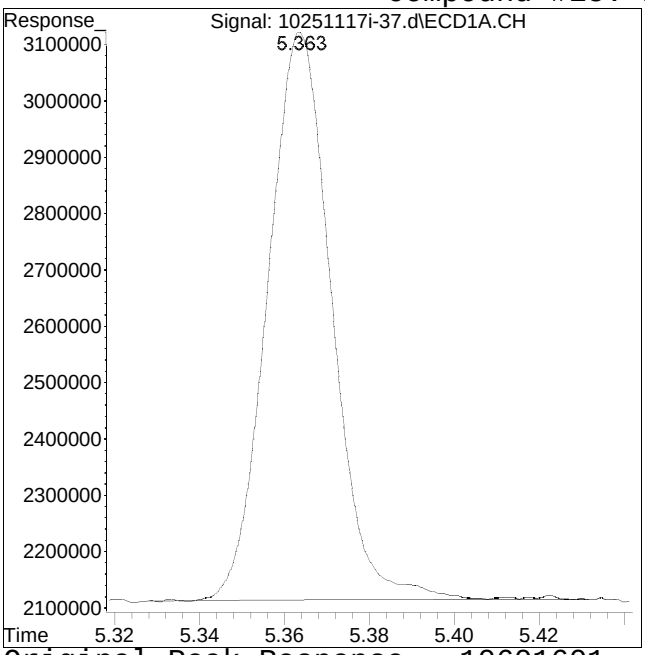
Manual Peak Response = 10246706 M4

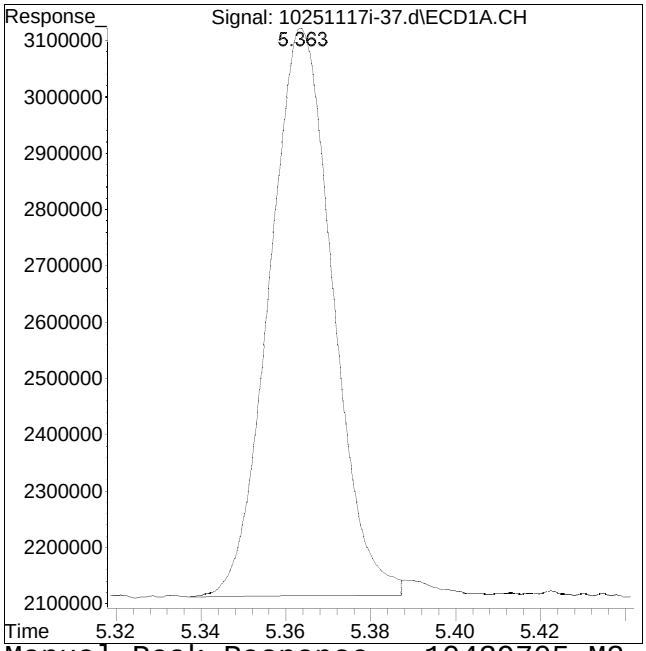
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #25: Endosulfan Sulfate



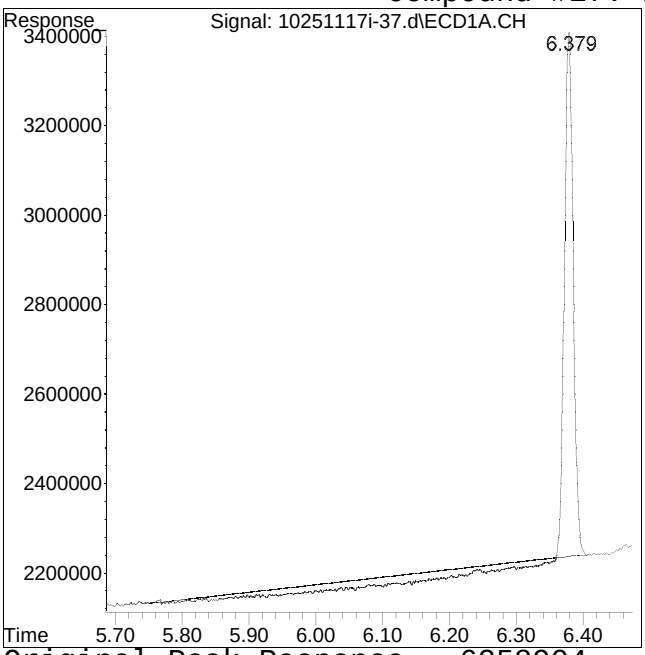


Original Peak Response = 10601601 Manual Peak Response = 10439705 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

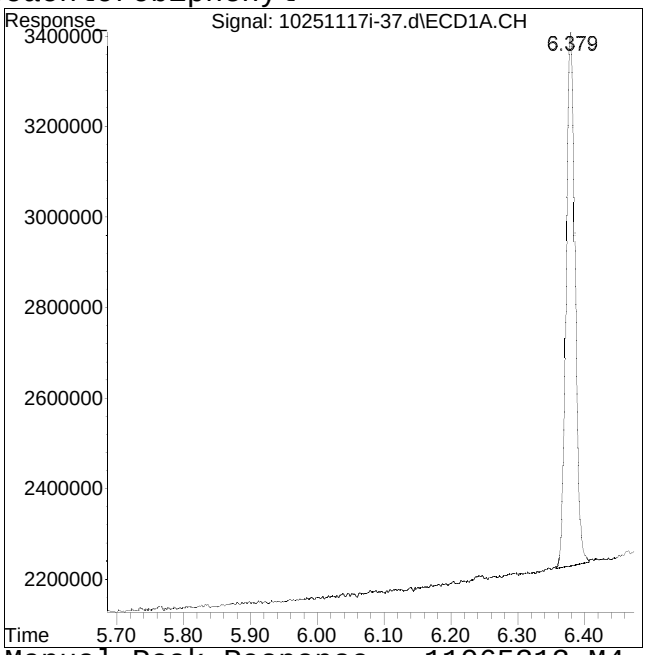
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 6258904



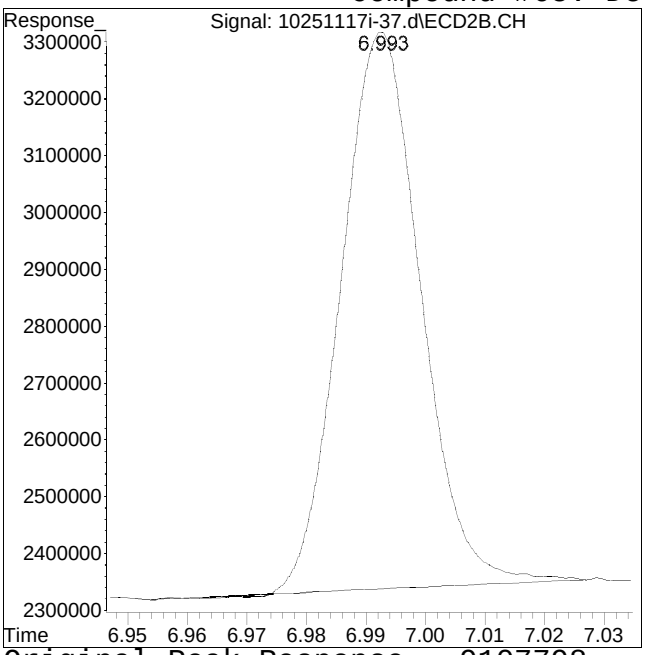
Manual Peak Response = 11065313 M4

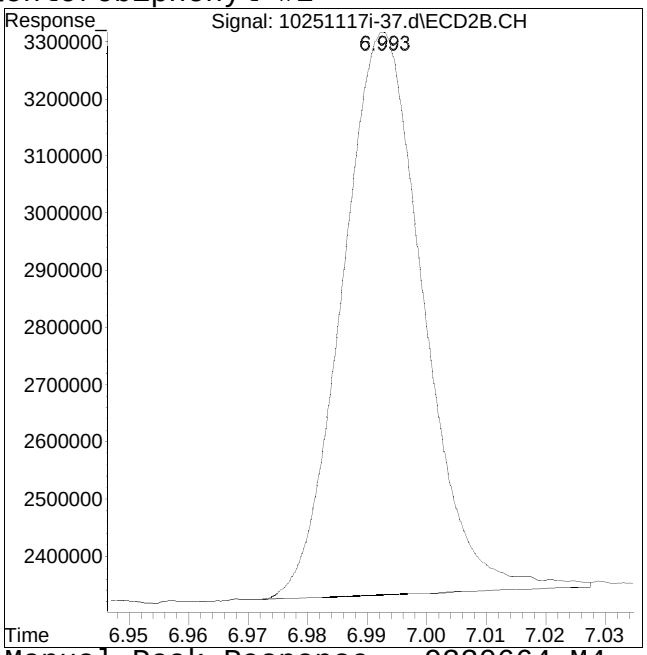
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-37.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:23 Instrument : Pest 10
Sample : il6pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:14 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 9107798 Manual Peak Response = 9330664 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-38.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 14:35
Operator : PEST10:akm
Sample : il7pest,42e,,pp 12310 L0.01
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:11:37 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:11:29 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.361	1.420	67509957	63509136	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.714	1.908	37046018	31110452	10.492M3	9.790
	Spiked Amount 50.000	Range 30 - 150		Recovery =		20.98%#	19.58%#
27) s	Decachlorobi	6.378	6.992	35162414	29383971	11.990M4	11.430
	Spiked Amount 50.000	Range 30 - 150		Recovery =		23.98%#	22.86%#
	Target Compounds						
3) t	Hexachlorobe	1.934	2.236	43383218	34819536	11.071M4	10.342
4) t	alpha-BHC	2.036	2.333	44871093	40085073	9.486M4	8.479
5) t	gamma-BHC (l	2.245	2.625	41359332	37049046	9.768M3	8.891
6) t	beta-BHC	2.302	2.690	20554915	19040488	11.077M4	10.563
7) t	delta-BHC	2.435	2.962	40358603	36005922	9.485	8.491
8) t	Heptachlor	2.602	3.031	42175626	35961284	10.309M4	9.369
9) t	Aldrin	2.851	3.357	41312408	36435496	9.823M4	9.001
10) t	Alachlor	2.975	3.236	7511496	6172807	11.869M4	11.245
11) t	Chlorpyrifos	3.068	3.595	21004129	19343044	12.867M4	11.850
12) t	Heptachlor E	3.410	3.982	37539432	33407524	10.453	9.643

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-38.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 14:35
Operator : PEST10:akm
Sample : il7pest,42e,,pp 12310 L0.01
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:11:37 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:11:29 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13)	t	gamma-Chlord	3.536	4.204	41273674	35968678	10.081	9.326
14)	t	alpha-Chlord	3.674	4.371	41436089	36021116	10.321M4	9.533
15)	t	4,4'-DDE	3.771	4.561	40507570	34341565	9.651	8.728M4
16)	t	Endosulfan I	3.815	4.431	38134334	32672398	10.420	9.481
17)	t	Dieldrin	4.080	4.717	39602361	33955256	10.003	9.129M4
18)	t	Endrin	4.334	5.010	38639339	32540466	10.183	9.278M4
19)	t	4,4'-DDD	4.436	5.127	31889658	25874889	10.003	8.975
20)	t	Endosulfan I	4.568	5.205	35563736	29290120	10.462	9.492
21)	t	4,4'-DDT	4.722	5.401	32873392	26856473	10.099	9.553M4
22)	t	Endrin Aldeh	4.977	5.499	27700736	23484894	10.554M4	9.808M4
23)	t	Methoxychlor	5.199	5.961	19591618	15822870	11.801	11.223
24)	t	Mirex	5.261	6.103	32191518	26704508	11.933	11.663
25)	t	Endosulfan S	5.363	5.725	33107725	28132547	10.963M3	10.122M4
26)	t	Endrin Keton	5.589	6.137	38584629	31618607	11.005	10.059
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	chlordane-1			0	0	N.D.	N.D.
Average		chlordane-1					0.000	0.000
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37)	l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	toxaphene-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-38.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 14:35
Operator : PEST10:akm
Sample : il7pest,42e,,pp 12310 L0.01
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:11:37 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:11:29 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000

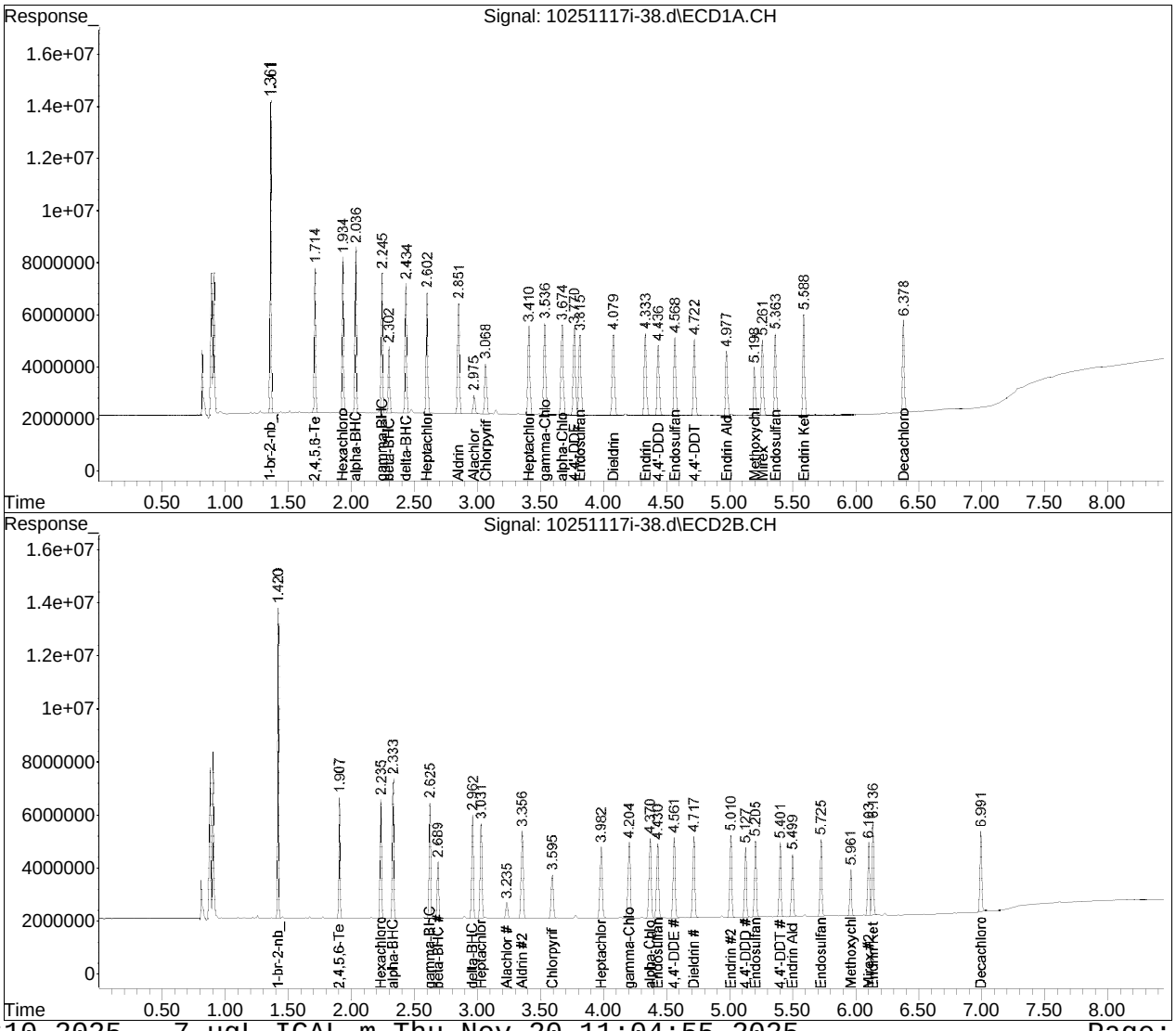
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-38.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 14:35
Operator : PEST10:akm
Sample : il7pest,42e,,pp 12310 L0.01
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:11:37 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:11:29 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

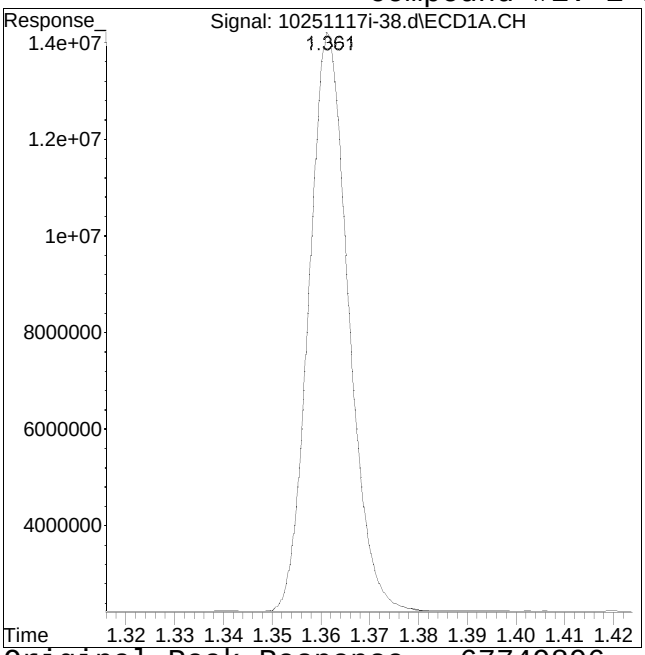
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

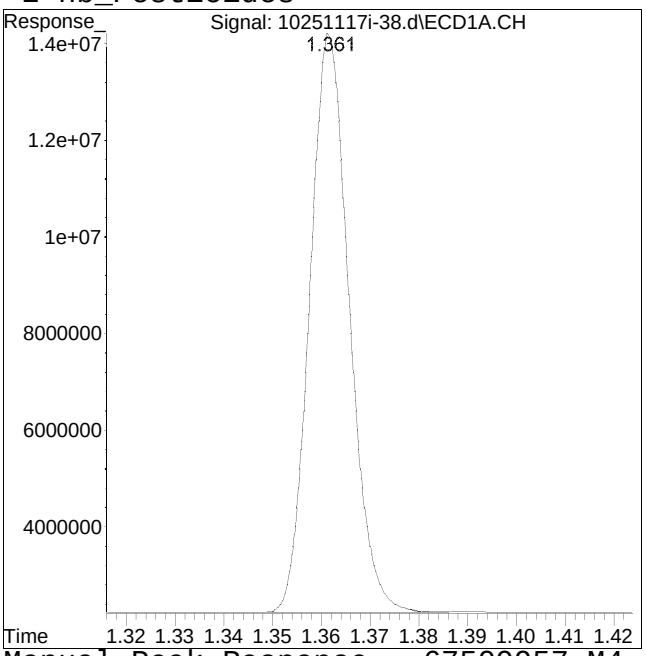


Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-38.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:35 Instrument : Pest 10
Sample : il7pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:11 am

Compound #1: 1-br-2-nb_Pesticides



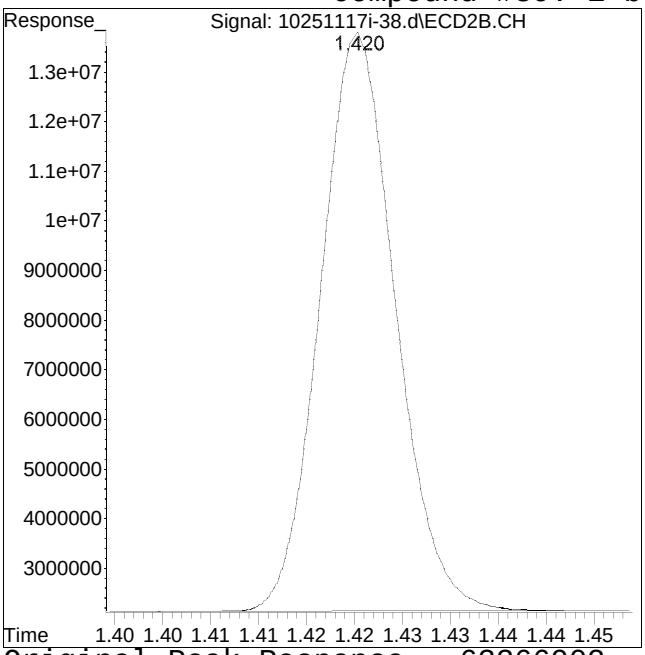


Original Peak Response = 67749896 Manual Peak Response = 67509957 M4
M4 = Poor automated baseline construction.

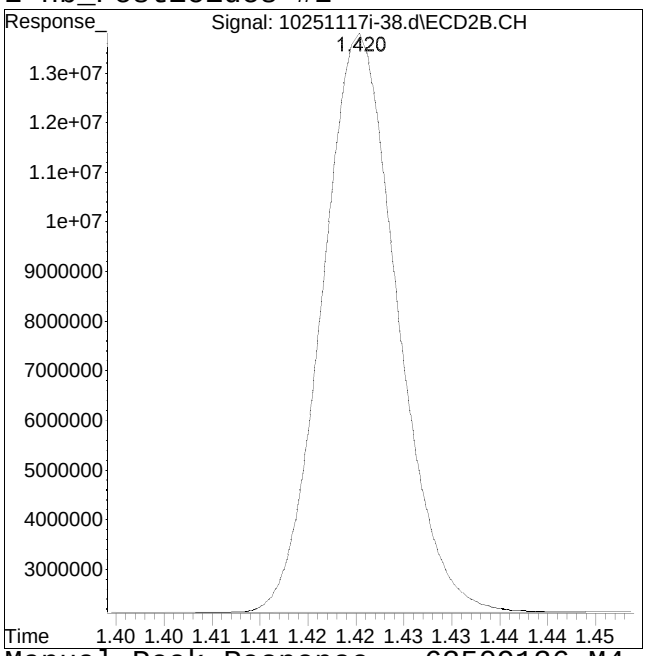
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-38.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:35 Instrument : Pest 10
Sample : il7pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:11 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 63366902



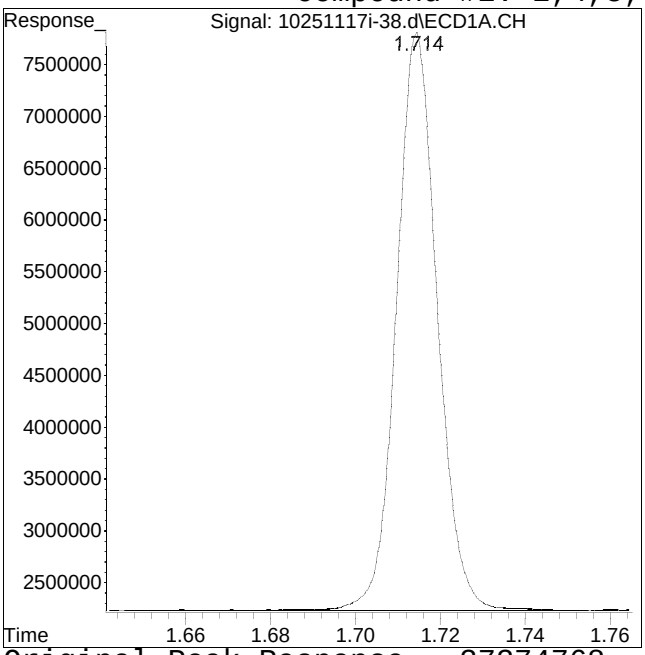
Manual Peak Response = 63509136 M4

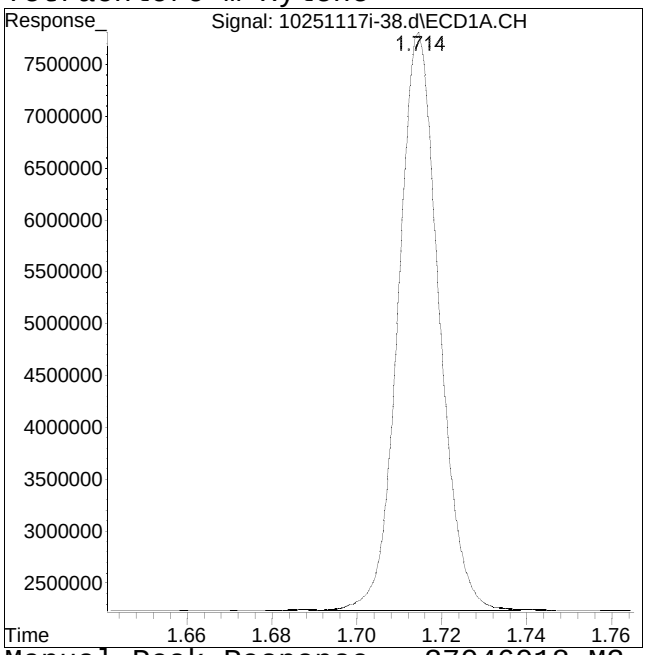
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-38.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:35 Instrument : Pest 10
Sample : il7pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:11 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



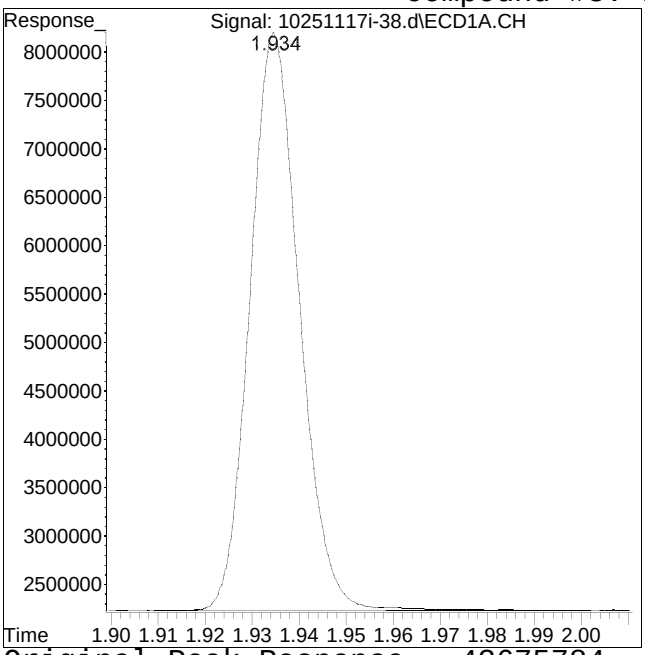


Original Peak Response = 37374768 Manual Peak Response = 37046018 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

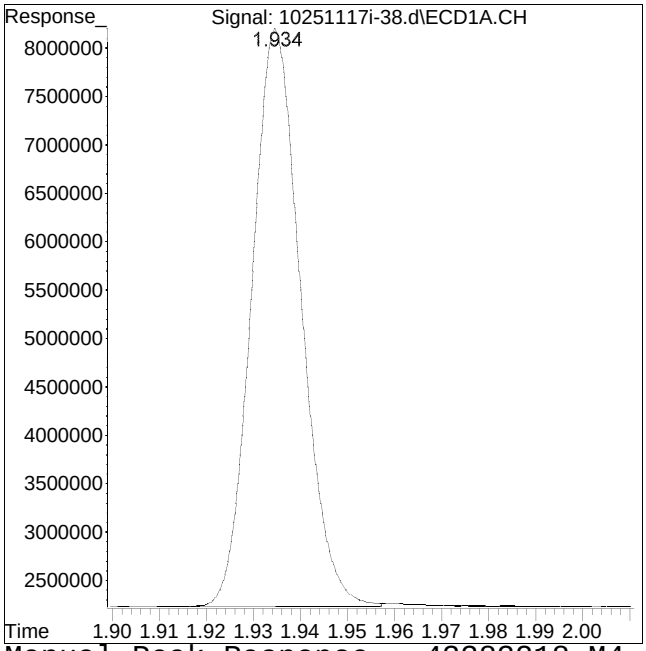
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-38.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:35 Instrument : Pest 10
Sample : il7pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:11 am

Compound #3: Hexachlorobenzene



Original Peak Response = 43675784



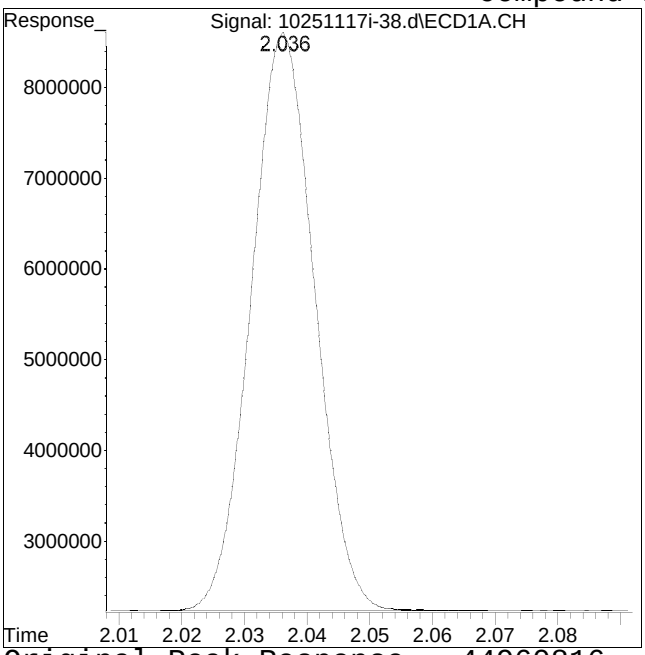
Manual Peak Response = 43383218 M4

M4 = Poor automated baseline construction.

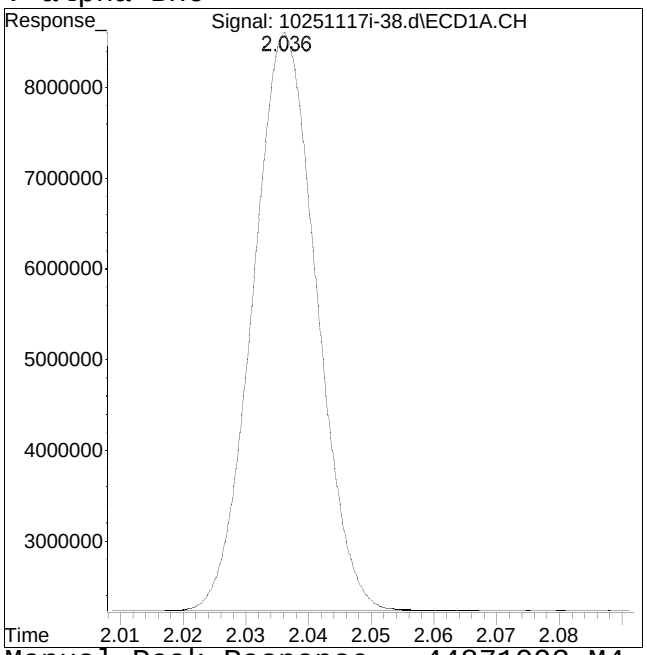
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-38.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:35 Instrument : Pest 10
Sample : il7pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:11 am

Compound #4: alpha-BHC



Original Peak Response = 44960816



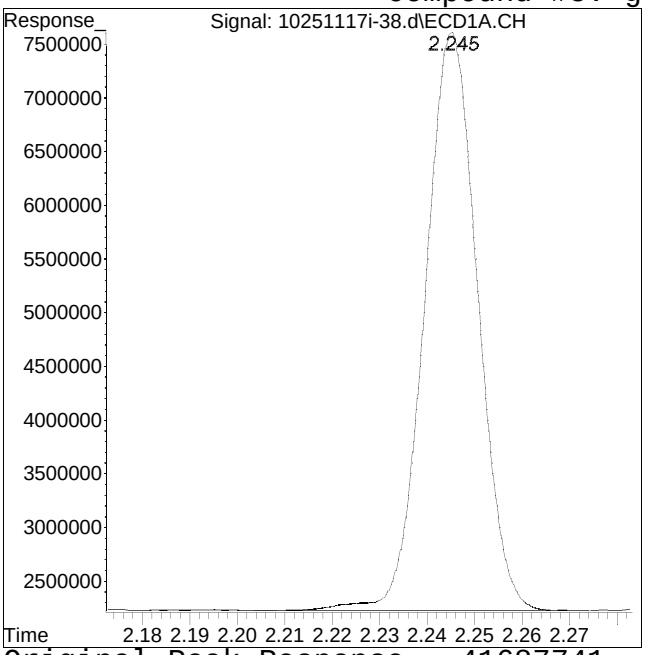
Manual Peak Response = 44871093 M4

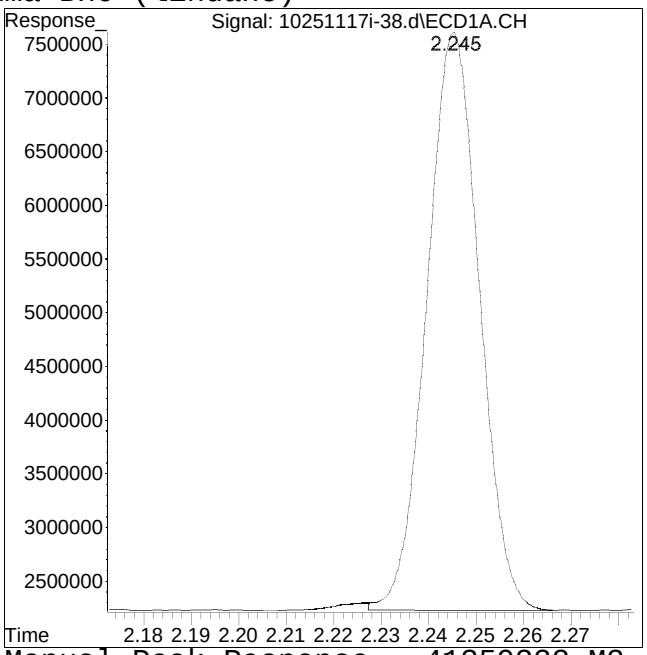
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-38.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:35 Instrument : Pest 10
Sample : il7pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:11 am

Compound #5: gamma-BHC (lindane)





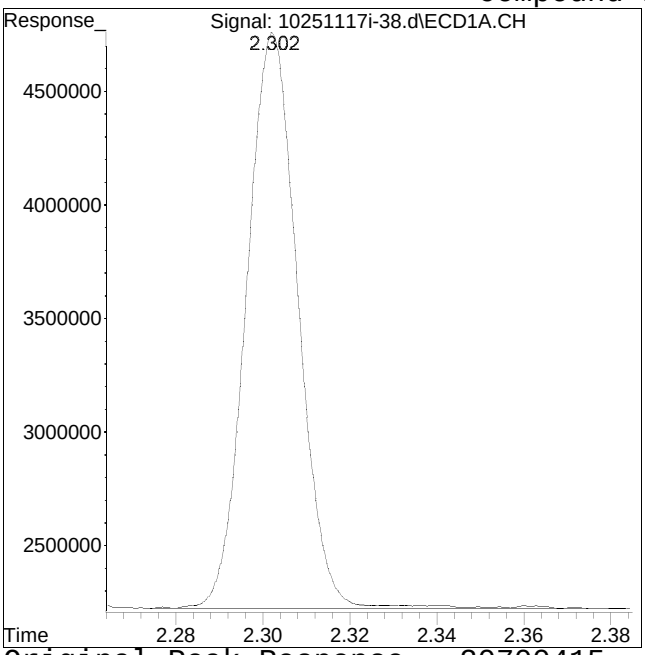
Original Peak Response = 41687741 Manual Peak Response = 41359332 M3

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

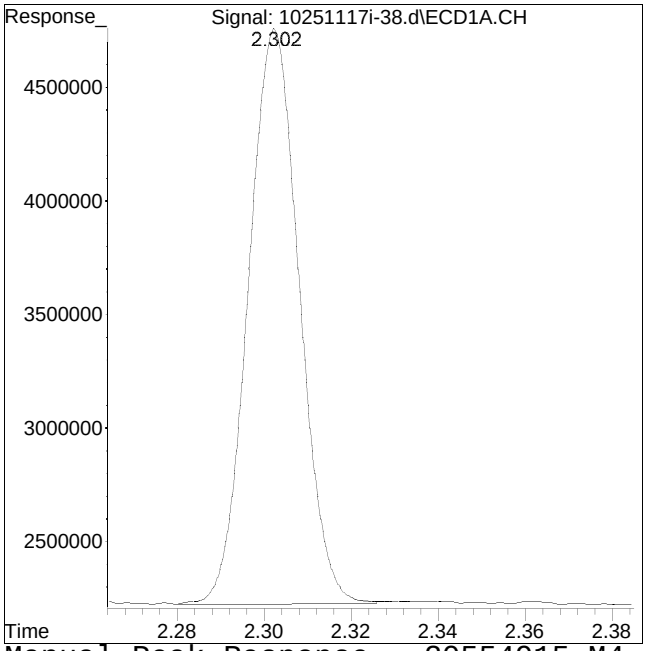
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-38.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:35 Instrument : Pest 10
Sample : il7pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:11 am

Compound #6: beta-BHC



Original Peak Response = 20700415



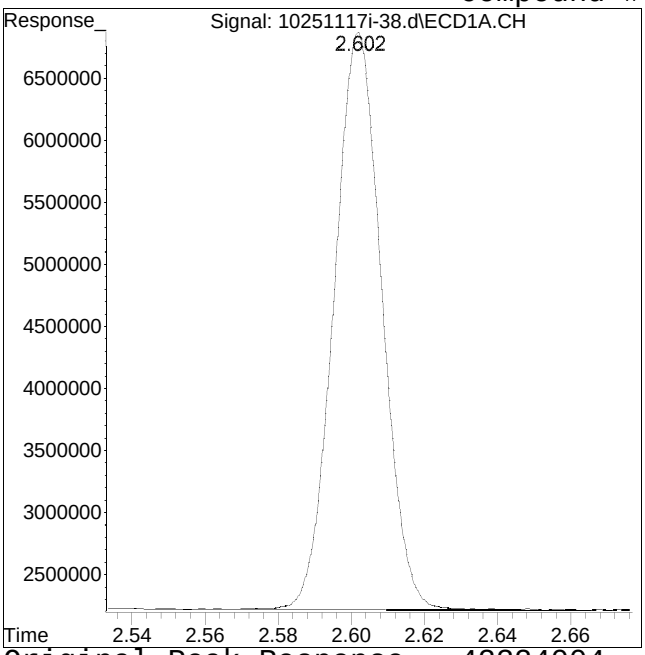
Manual Peak Response = 20554915 M4

M4 = Poor automated baseline construction.

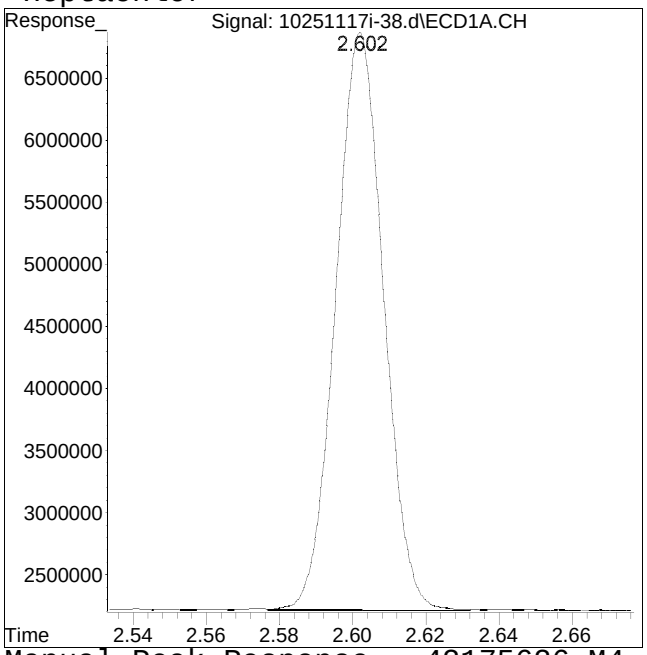
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-38.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:35 Instrument : Pest 10
Sample : il7pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:11 am

Compound #8: Heptachlor



Original Peak Response = 42324004



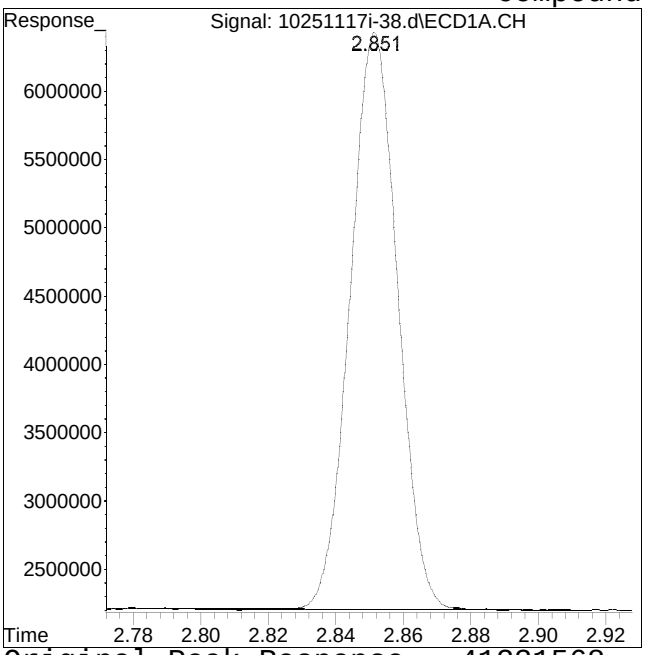
Manual Peak Response = 42175626 M4

M4 = Poor automated baseline construction.

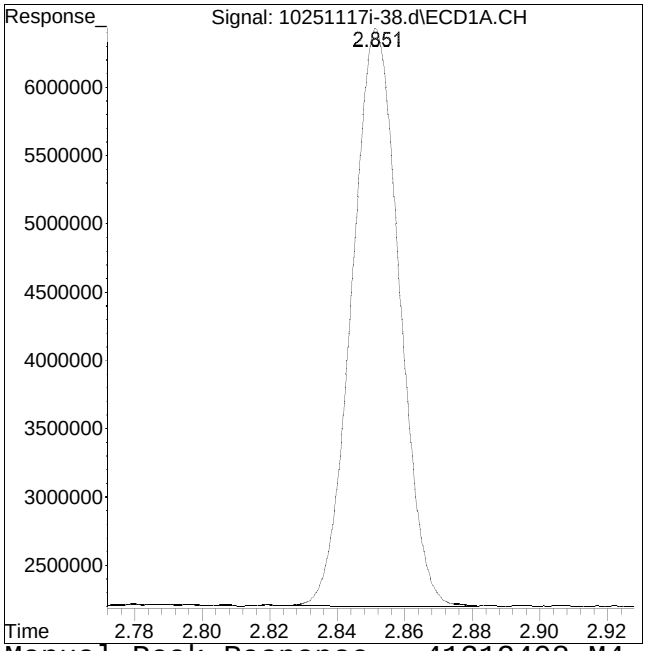
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-38.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:35 Instrument : Pest 10
Sample : il7pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:11 am

Compound #9: Aldrin



Original Peak Response = 41231568



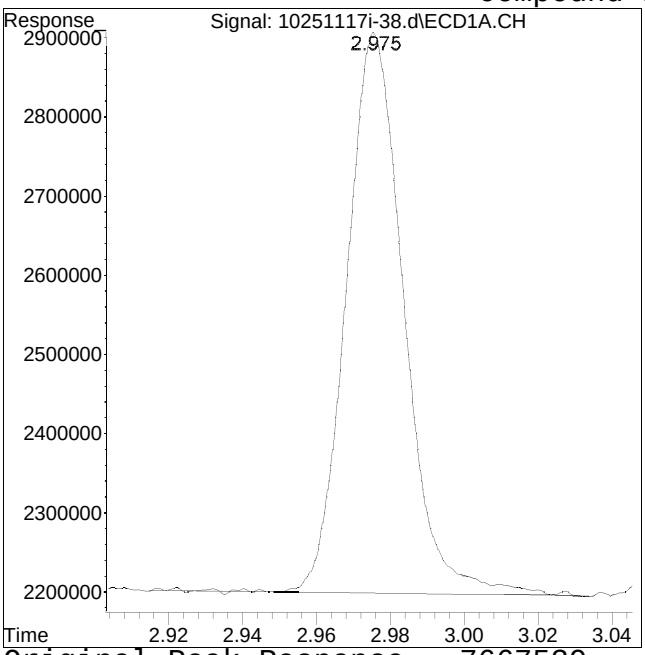
Manual Peak Response = 41312408 M4

M4 = Poor automated baseline construction.

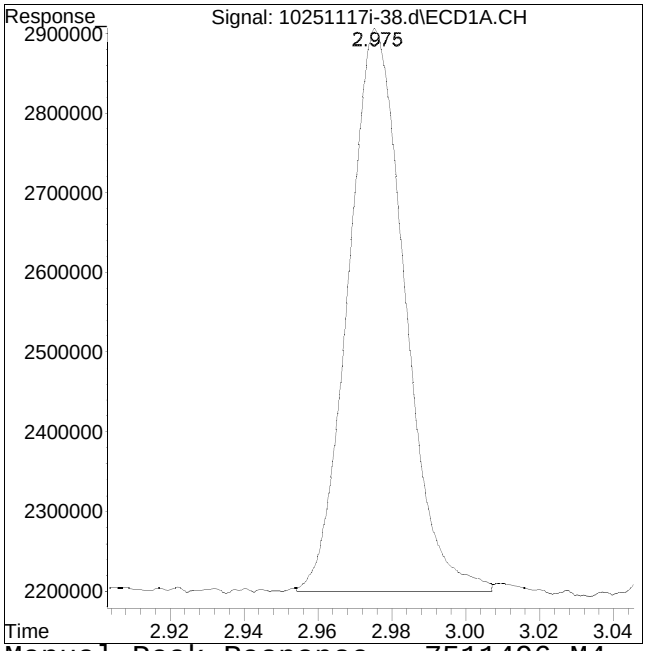
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-38.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:35 Instrument : Pest 10
Sample : il7pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:11 am

Compound #10: Alachlor



Original Peak Response = 7667539



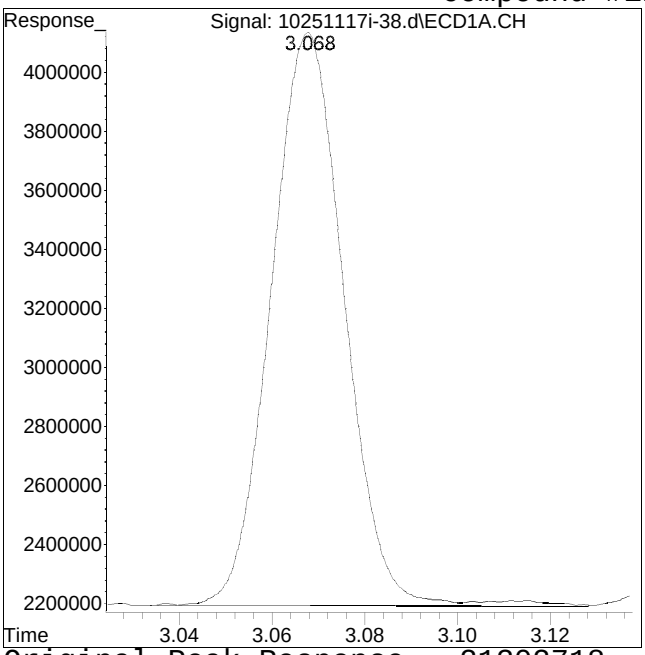
Manual Peak Response = 7511496 M4

M4 = Poor automated baseline construction.

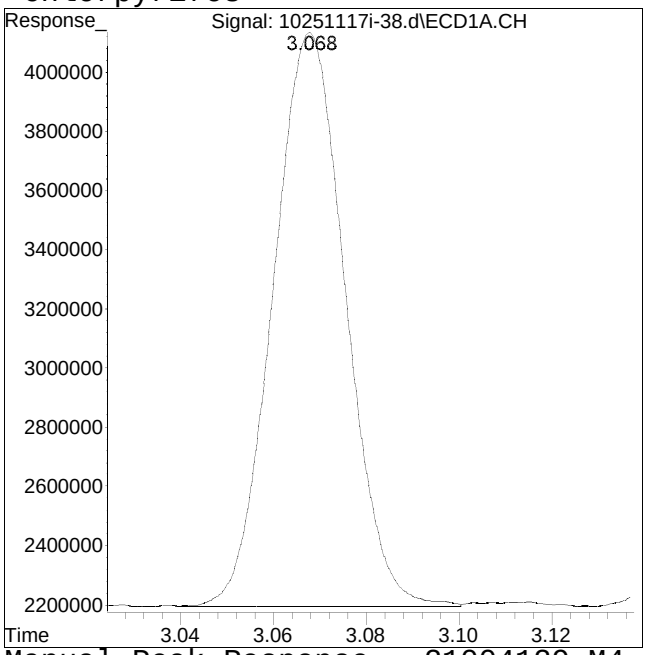
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-38.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:35 Instrument : Pest 10
Sample : il7pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:11 am

Compound #11: Chlorpyrifos



Original Peak Response = 21302718



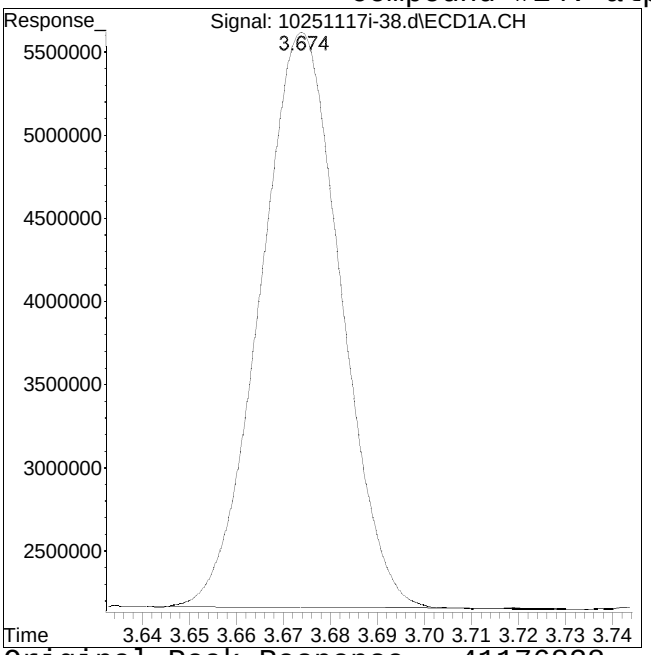
Manual Peak Response = 21004129 M4

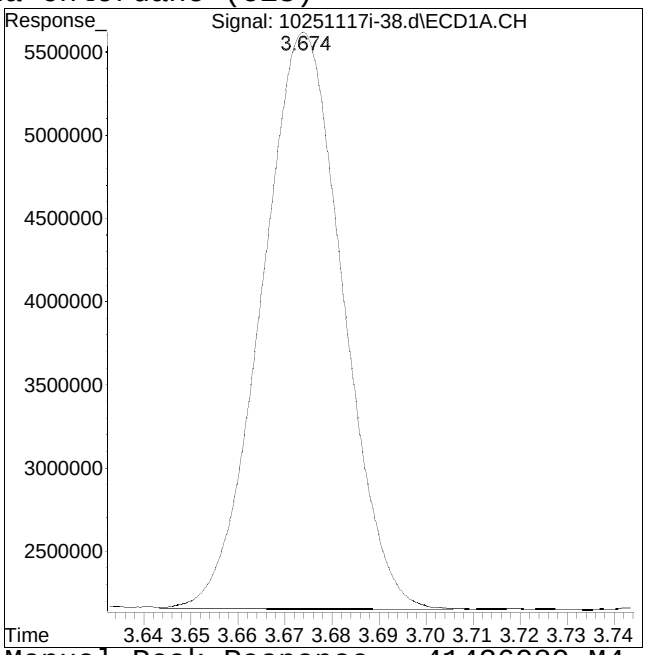
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-38.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:35 Instrument : Pest 10
Sample : il7pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:11 am

Compound #14: alpha-Chlordane (cis)



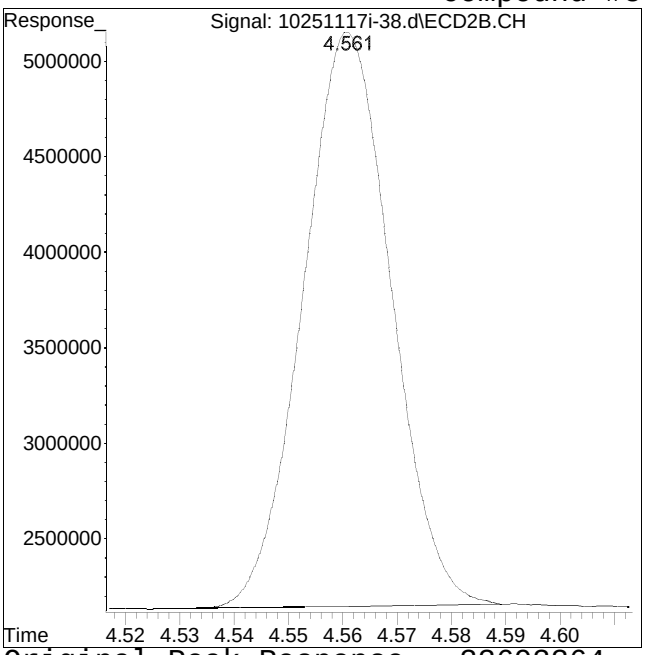


Original Peak Response = 41176838 Manual Peak Response = 41436089 M4
M4 = Poor automated baseline construction.

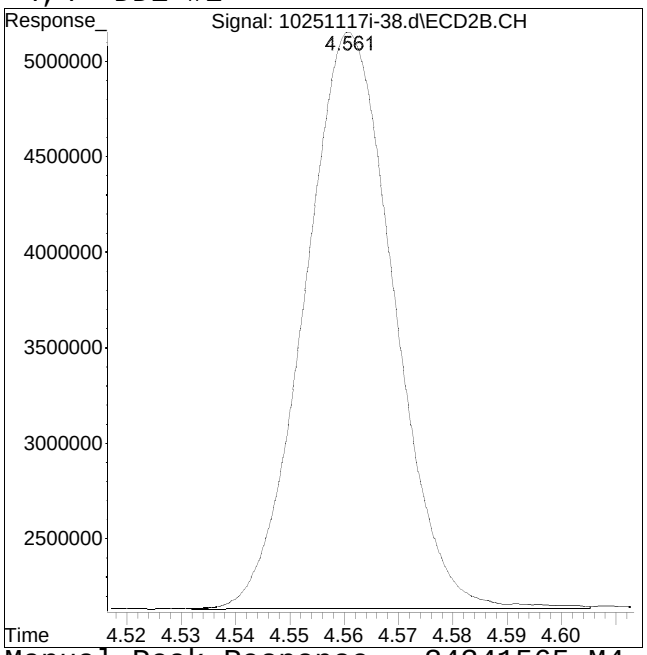
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-38.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:35 Instrument : Pest 10
Sample : il7pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:11 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 33693364



Manual Peak Response = 34341565 M4

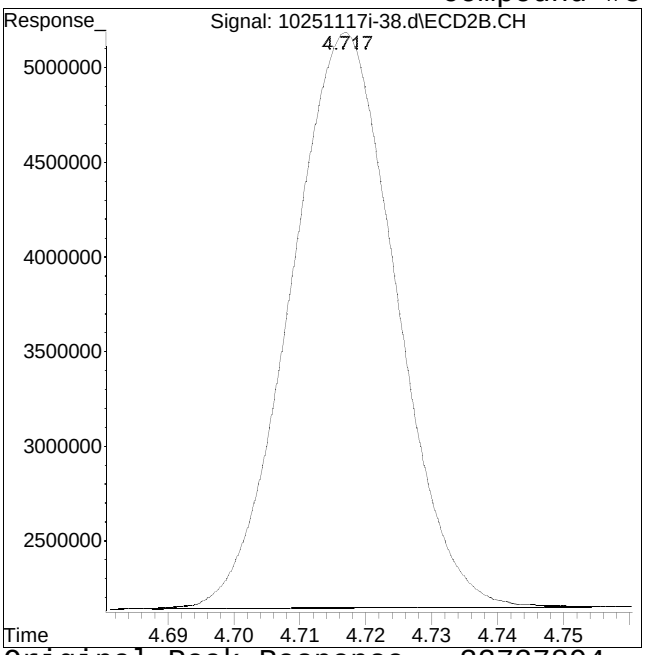
M4 = Poor automated baseline construction.

Manual Integration Report

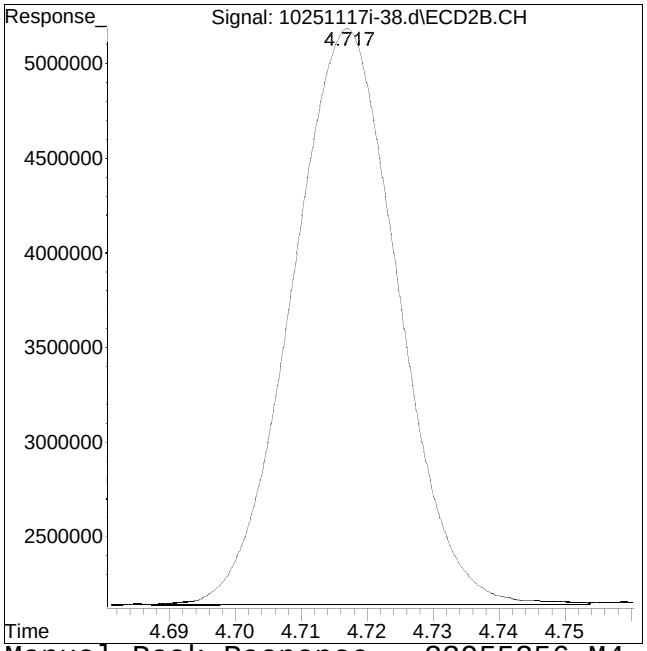
Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-38.d
Date Inj'd : 11/19/2025 14:35
Sample : il7pest,42e,,pp 12310 L0.0

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 9:11 am

Compound #55: Dieldrin #2



Original Peak Response = 33737894



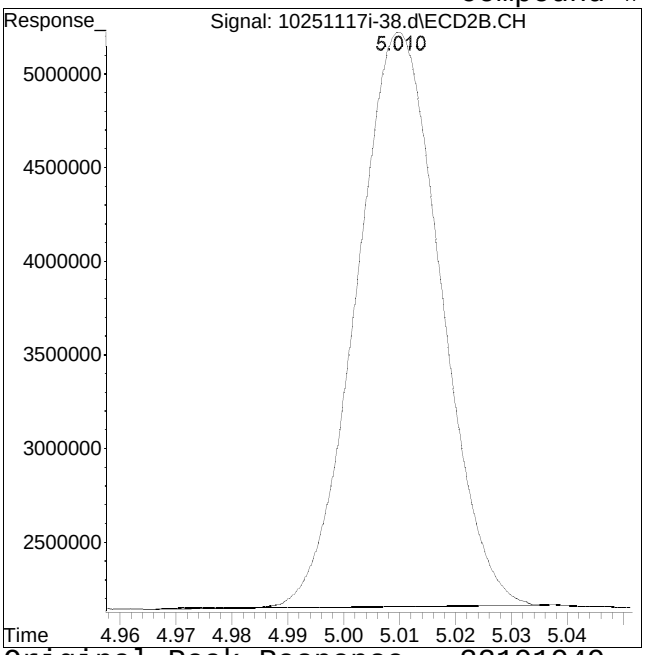
Manual Peak Response = 33955256 M4

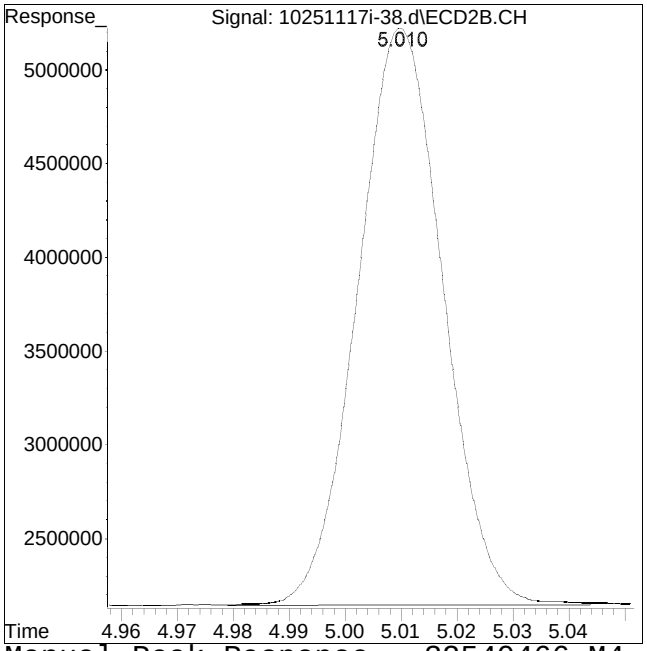
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-38.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:35 Instrument : Pest 10
Sample : il7pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:11 am

Compound #56: Endrin #2



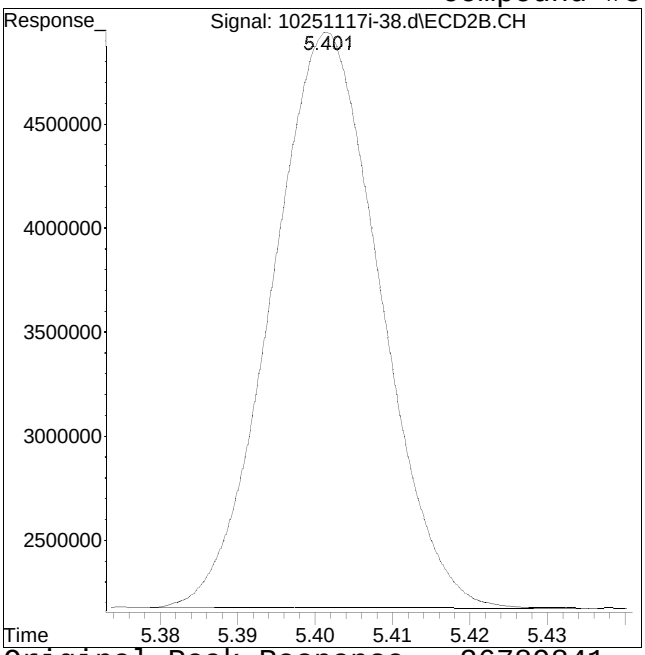


Original Peak Response = 32191949 Manual Peak Response = 32540466 M4
M4 = Poor automated baseline construction.

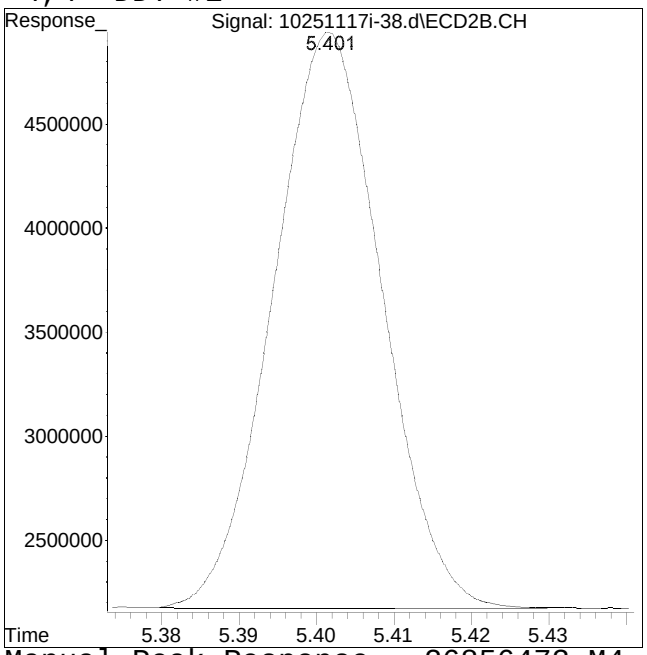
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-38.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:35 Instrument : Pest 10
Sample : il7pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:11 am

Compound #59: 4,4'-DDT #2



Original Peak Response = 26789841



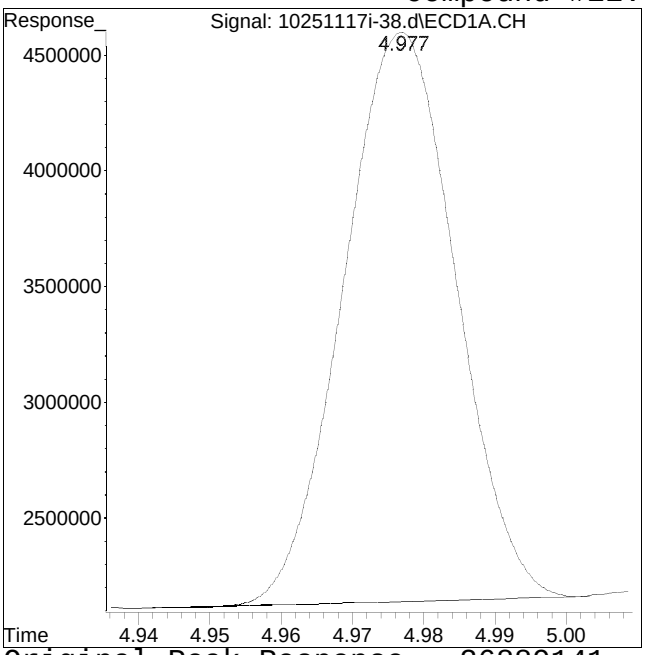
Manual Peak Response = 26856473 M4

M4 = Poor automated baseline construction.

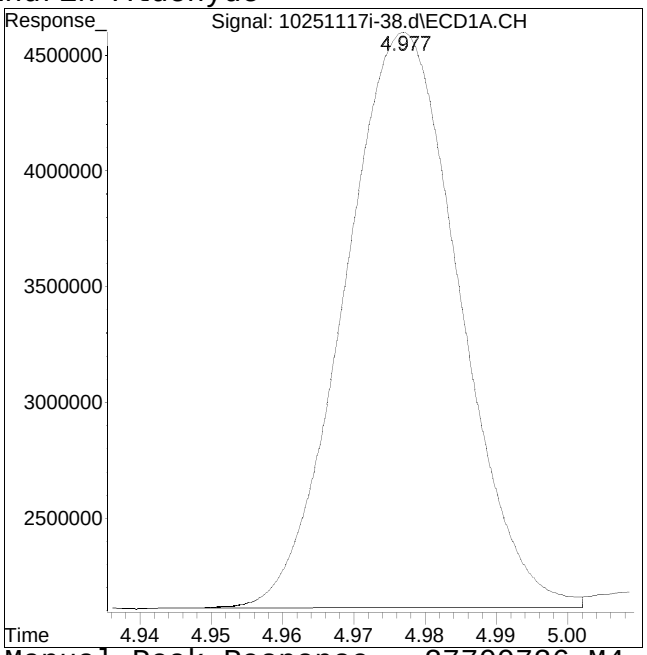
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-38.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:35 Instrument : Pest 10
Sample : il7pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:11 am

Compound #22: Endrin Aldehyde



Original Peak Response = 26889141



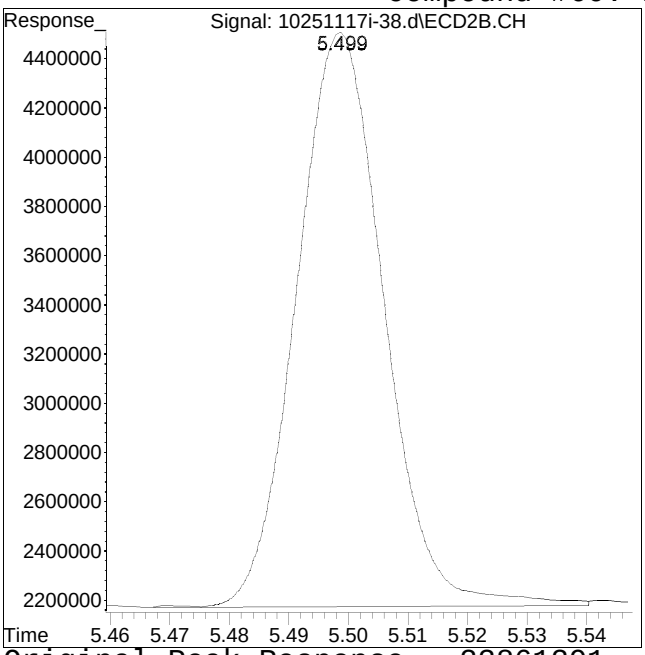
Manual Peak Response = 27700736 M4

M4 = Poor automated baseline construction.

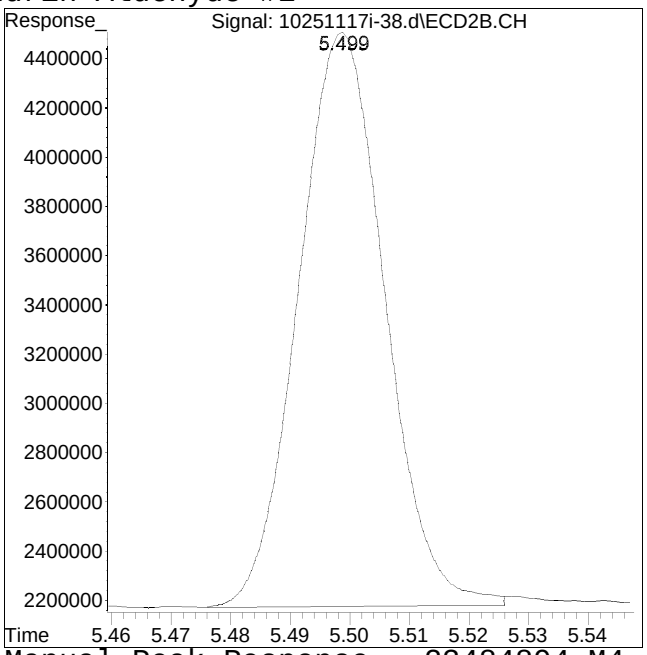
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-38.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:35 Instrument : Pest 10
Sample : il7pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:11 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 23861291



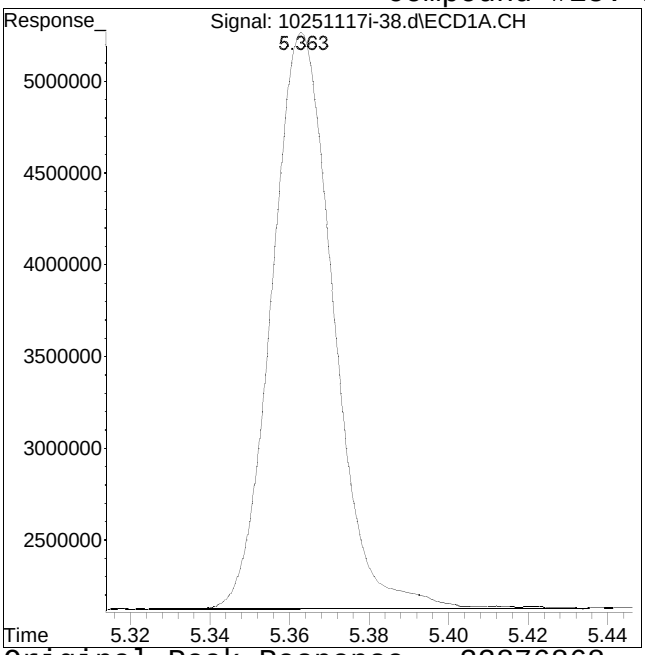
Manual Peak Response = 23484894 M4

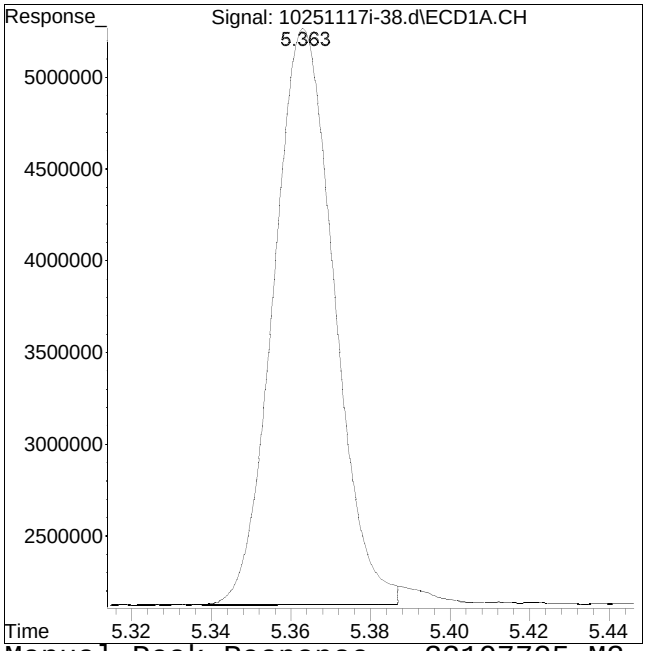
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-38.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:35 Instrument : Pest 10
Sample : il7pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:11 am

Compound #25: Endosulfan Sulfate



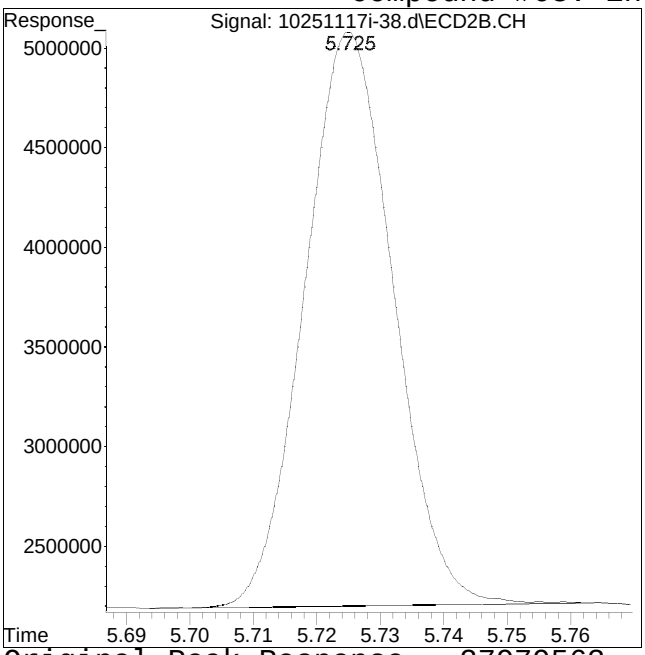


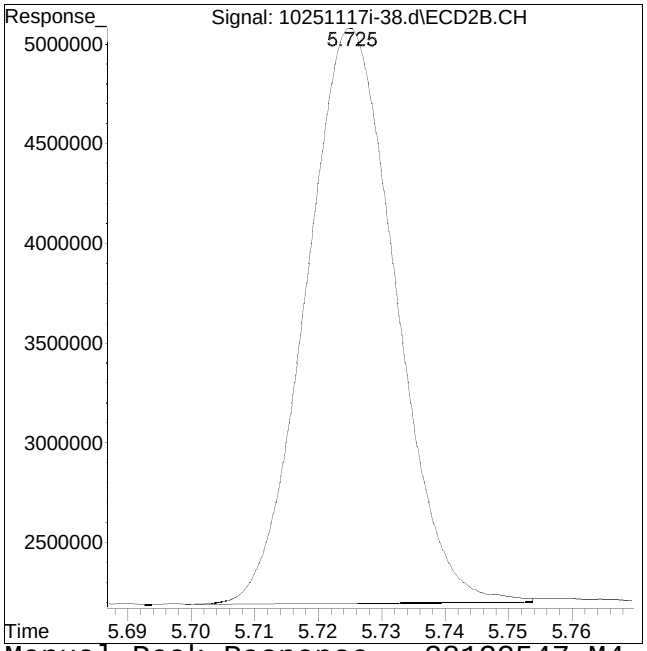
Original Peak Response = 33876868 Manual Peak Response = 33107725 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-38.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:35 Instrument : Pest 10
Sample : il7pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:11 am

Compound #63: Endosulfan Sulfate #2



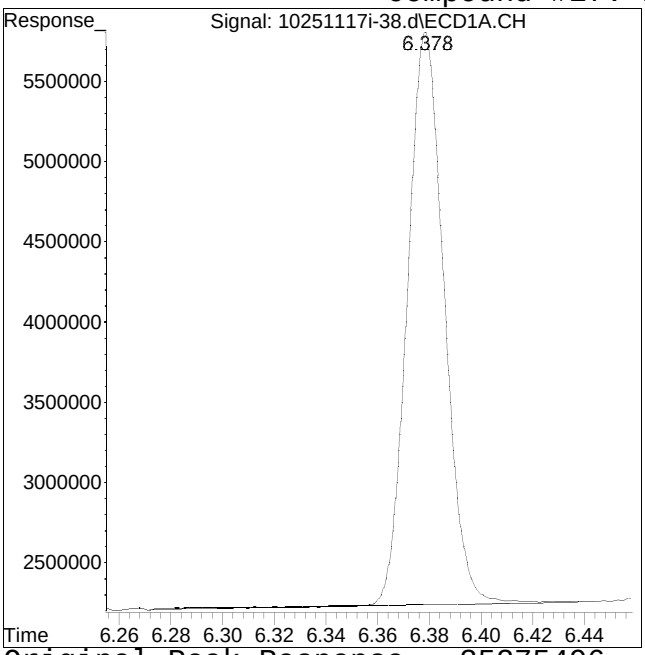


Original Peak Response = 27979563 Manual Peak Response = 28132547 M4
M4 = Poor automated baseline construction.

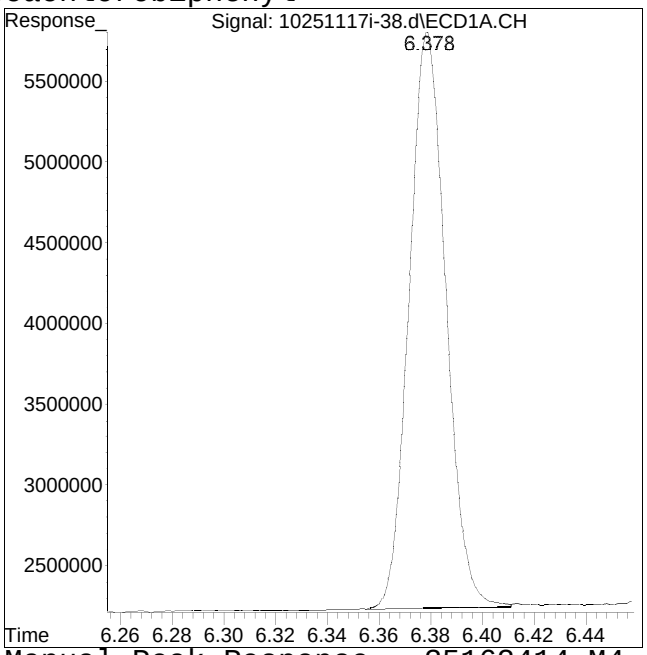
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-38.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:35 Instrument : Pest 10
Sample : il7pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 9:11 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 35275496



Manual Peak Response = 35162414 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-39.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 14:47
Operator : PEST10:akm
Sample : il8pest,42e,,pp 12310 L0.05
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 08:57:16 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 08:57:08 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.361	1.421	67045357	62648052	25.000M4	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.714	1.908	179.5E6	152.7E6	NoCal M4	NoCal
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	6.378	6.992	153.3E6	129.9E6	NoCal M4	NoCal M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	1.934	2.236	200.4E6	163.9E6	NoCal M3	NoCal
4) t	alpha-BHC	2.036	2.333	233.0E6	218.1E6	NoCal M4	NoCal
5) t	gamma-BHC (l	2.245	2.625	209.5E6	193.5E6	NoCal M4	NoCal
6) t	beta-BHC	2.302	2.690	93886271	87145907	NoCal	NoCal
7) t	delta-BHC	2.435	2.963	207.8E6	193.7E6	NoCal	NoCal
8) t	Heptachlor	2.602	3.031	206.8E6	181.3E6	NoCal M4	NoCal
9) t	Aldrin	2.852	3.357	208.8E6	187.9E6	NoCal	NoCal
10) t	Alachlor	2.976	3.235	34574847	28545084	NoCal	NoCal
11) t	Chlorpyrifos	3.068	3.595	88255721	83663182	NoCal	NoCal
12) t	Heptachlor E	3.410	3.982	181.2E6	164.1E6	NoCal	NoCal
13) t	gamma-Chlord	3.536	4.205	202.4E6	179.8E6	NoCal	NoCal
14) t	alpha-Chlord	3.673	4.371	200.0E6	177.7E6	NoCal M3	NoCal
15) t	4,4'-DDE	3.771	4.562	206.1E6	180.4E6	NoCal	NoCal

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-39.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 14:47
Operator : PEST10:akm
Sample : il8pest,42e,,pp 12310 L0.05
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 08:57:16 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 08:57:08 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
16) t	Endosulfan I	3.814	4.430	183.5E6	163.2E6	NoCal M4	NoCal
17) t	Dieldrin	4.080	4.717	196.5E6	173.0E6	NoCal	NoCal
18) t	Endrin	4.333	5.010	190.1E6	164.2E6	NoCal	NoCal
19) t	4,4'-DDD	4.436	5.127	157.8E6	133.0E6	NoCal	NoCal
20) t	Endosulfan I	4.568	5.206	171.1E6	146.2E6	NoCal	NoCal
21) t	4,4'-DDT	4.722	5.402	161.1E6	130.6E6	NoCal	NoCal
22) t	Endrin Aldeh	4.977	5.499	132.2E6	114.1E6	NoCal	NoCal
23) t	Methoxychlor	5.198	5.961	86794390	69954673	NoCal	NoCal M4
24) t	Mirex	5.261	6.103	140.0E6	115.0E6	NoCal	NoCal
25) t	Endosulfan S	5.363	5.726	153.2E6	132.3E6	NoCal M3	NoCal
26) t	Endrin Keton	5.588	6.136	179.8E6	150.9E6	NoCal	NoCal M3
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-39.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 14:47
Operator : PEST10:akm
Sample : il8pest,42e,,pp 12310 L0.05
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 08:57:16 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 08:57:08 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

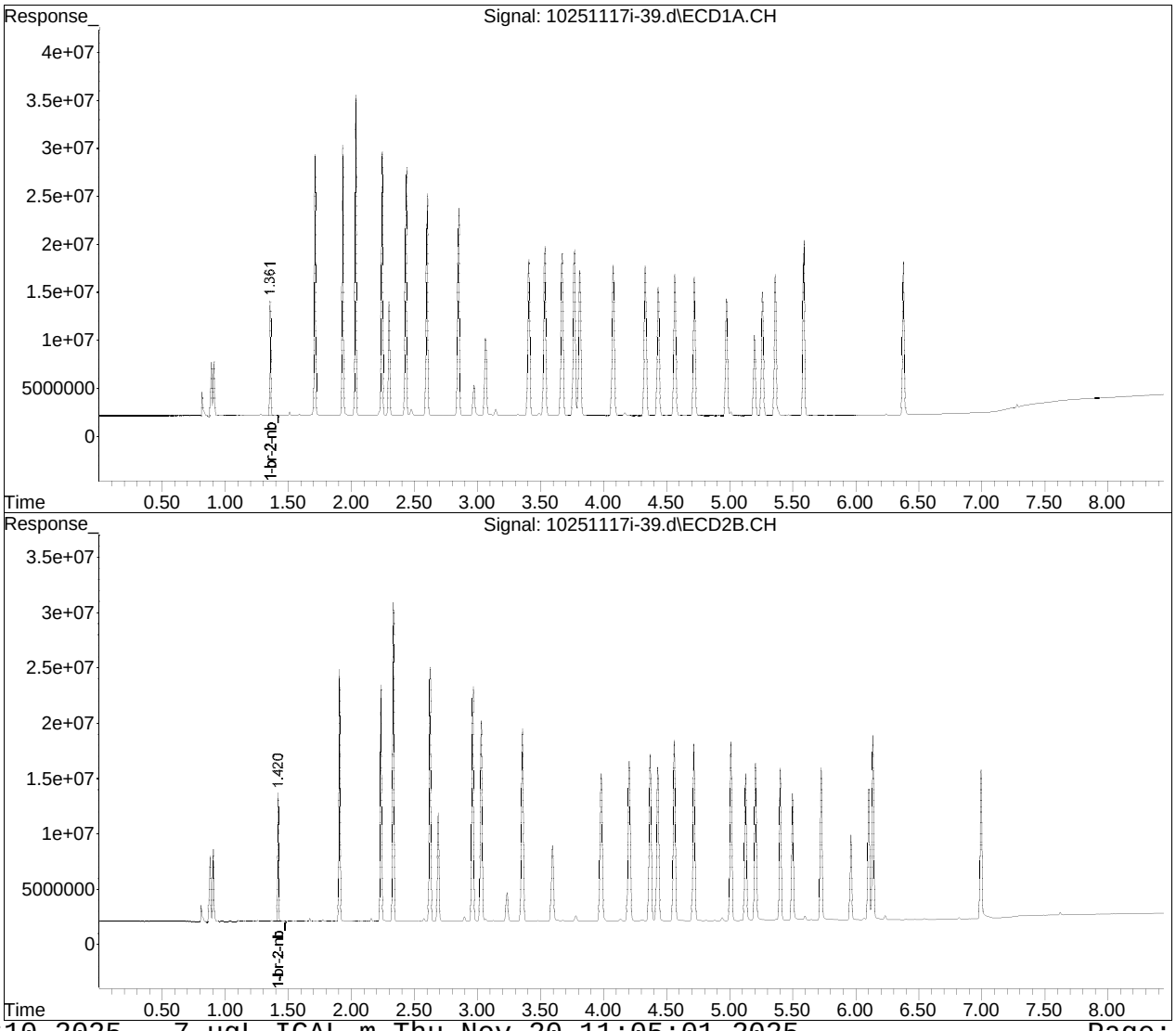
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-39.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 14:47
Operator : PEST10:akm
Sample : il8pest,42e,,pp 12310 L0.05
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 08:57:16 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 08:57:08 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

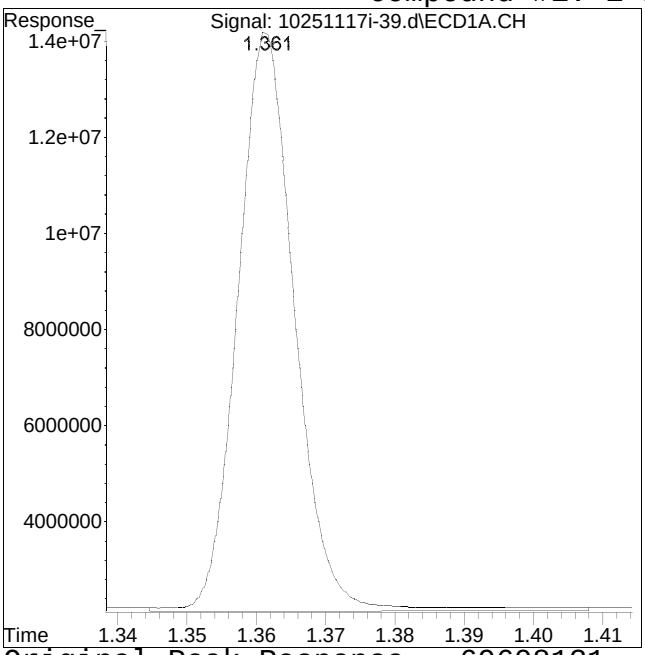


Manual Integration Report

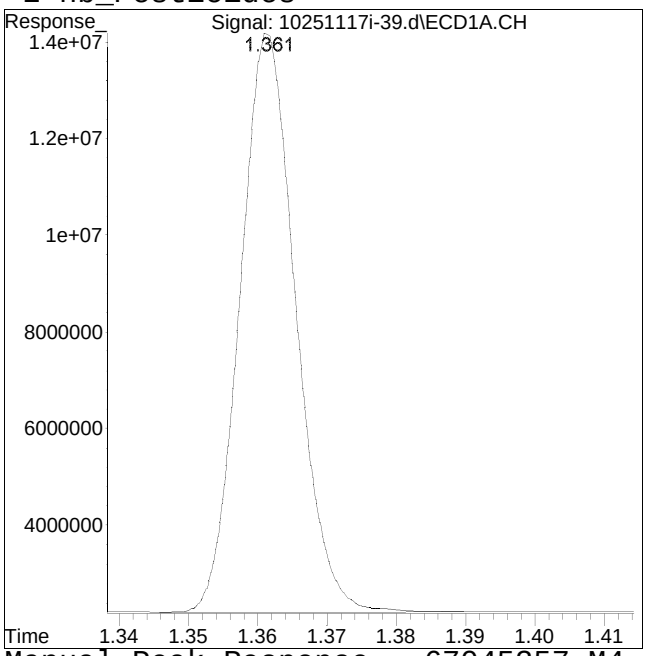
Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-39.d
Date Inj'd : 11/19/2025 14:47
Sample : il8pest,42e,,pp 12310 L0.0

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 8:57 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 69608131



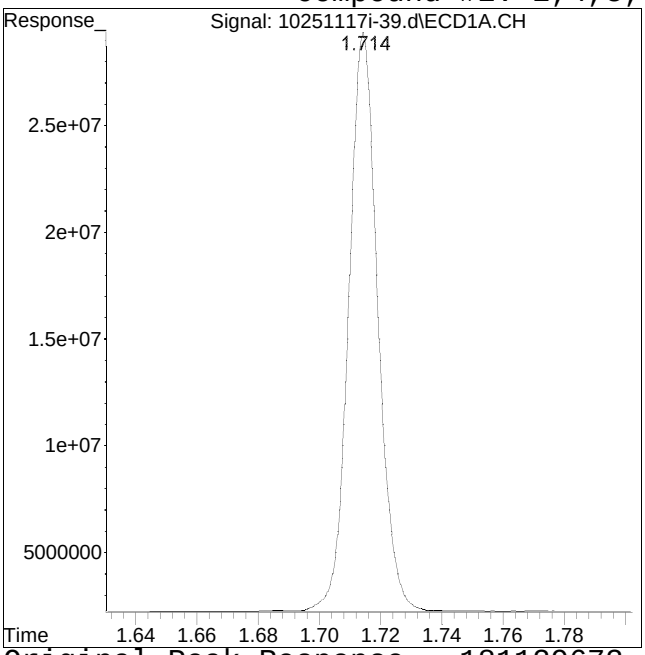
Manual Peak Response = 67045357 M4

M4 = Poor automated baseline construction.

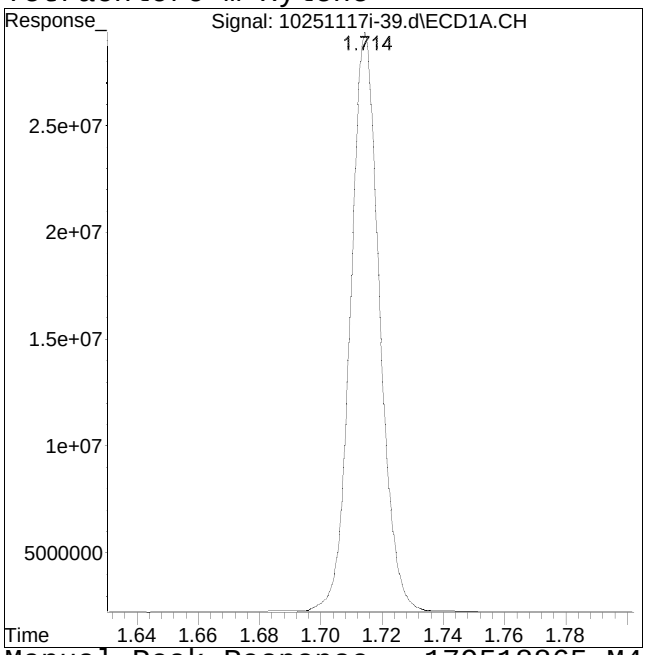
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-39.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:47 Instrument : Pest 10
Sample : il8pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 8:57 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 181129673



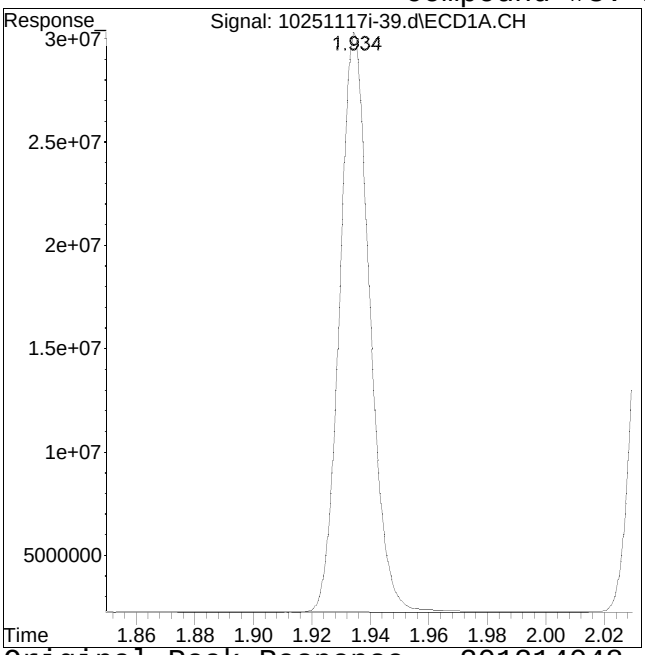
Manual Peak Response = 179518865 M4

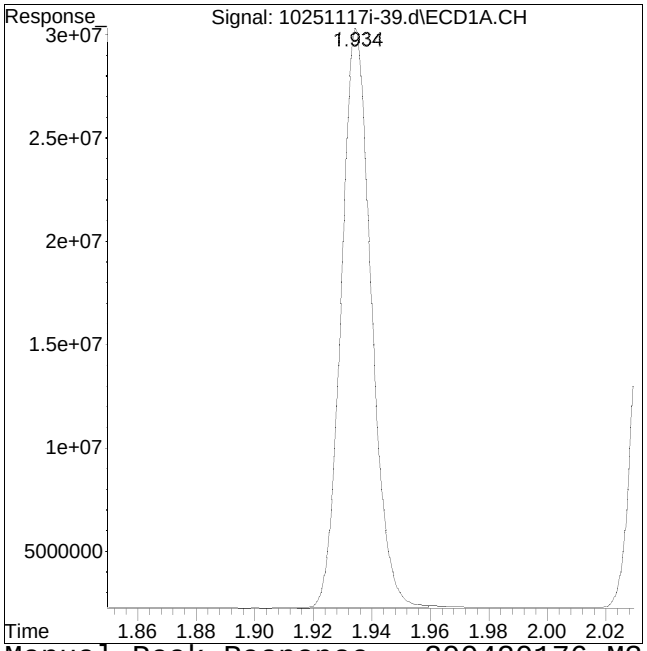
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-39.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:47 Instrument : Pest 10
Sample : il8pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 8:57 am

Compound #3: Hexachlorobenzene



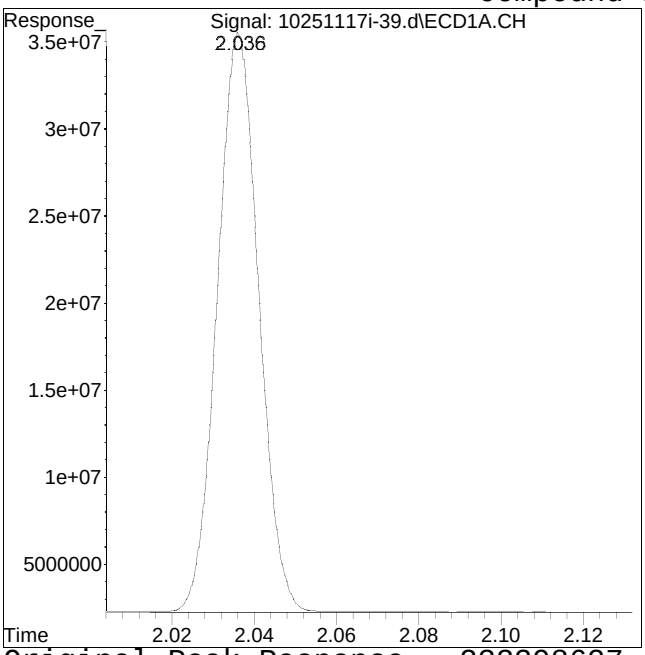


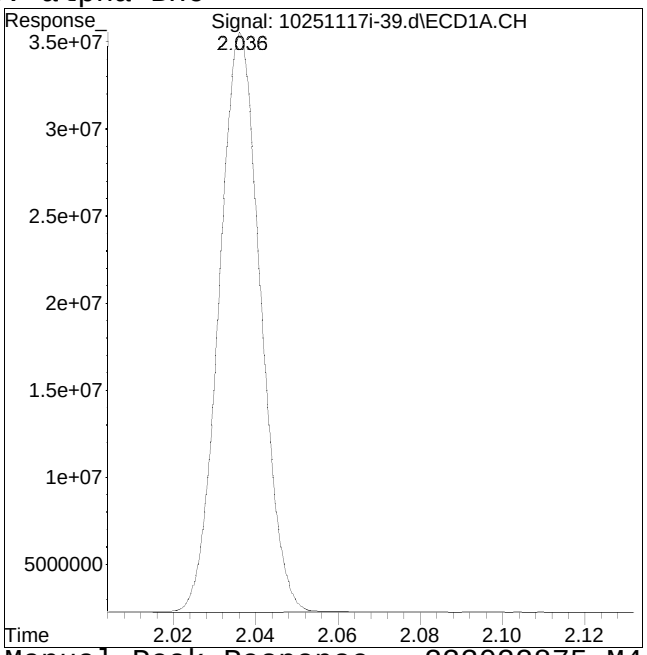
Original Peak Response = 201214048 Manual Peak Response = 200420176 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-39.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:47 Instrument : Pest 10
Sample : il8pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 8:57 am

Compound #4: alpha-BHC



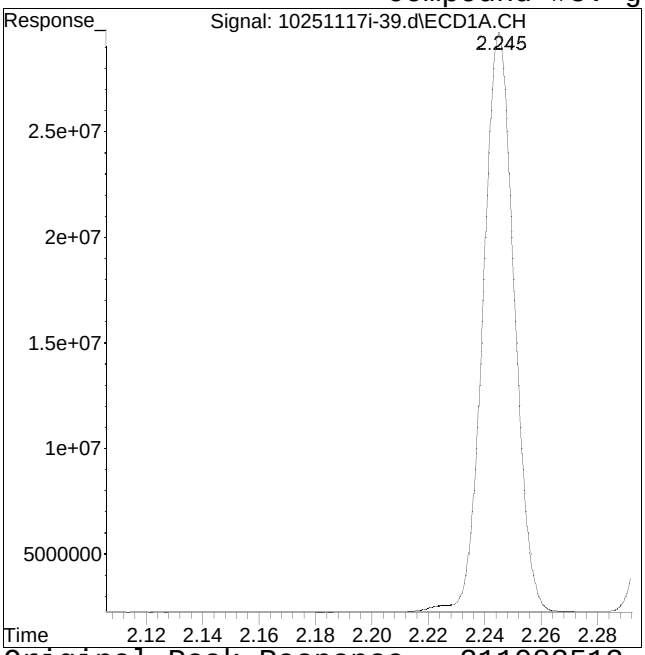


Original Peak Response = 233398627 Manual Peak Response = 233022875 M4
M4 = Poor automated baseline construction.

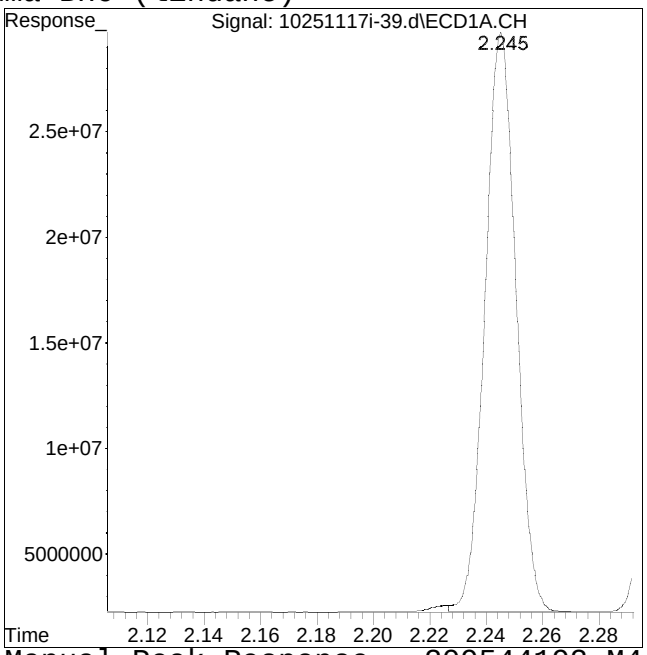
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-39.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:47 Instrument : Pest 10
Sample : il8pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 8:57 am

Compound #5: gamma-BHC (lindane)



Original Peak Response = 211082512



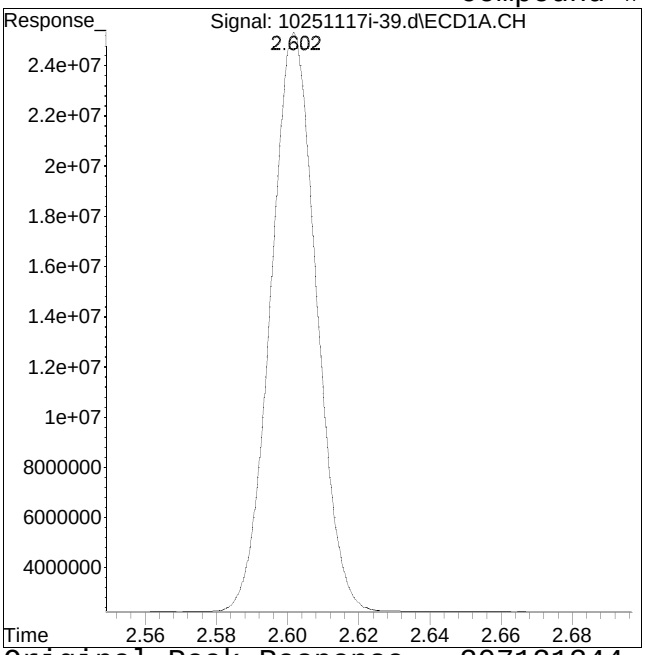
Manual Peak Response = 209544192 M4

M4 = Poor automated baseline construction.

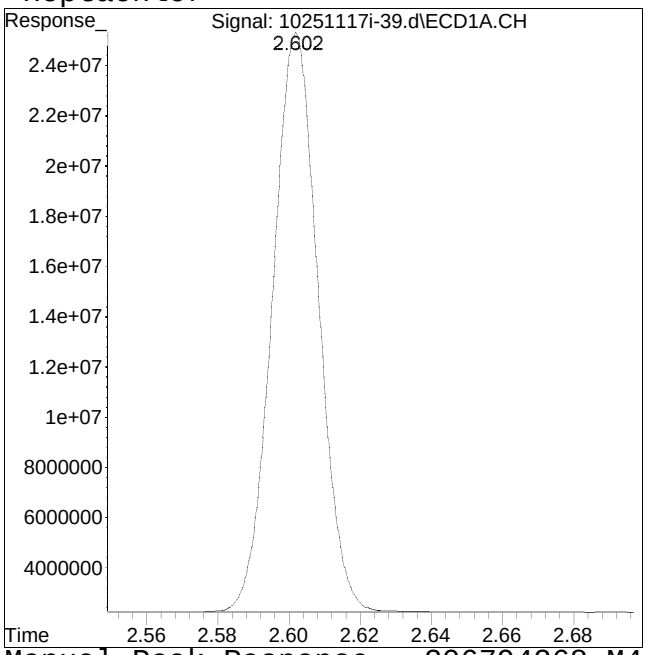
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-39.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:47 Instrument : Pest 10
Sample : il8pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 8:57 am

Compound #8: Heptachlor



Original Peak Response = 207121344



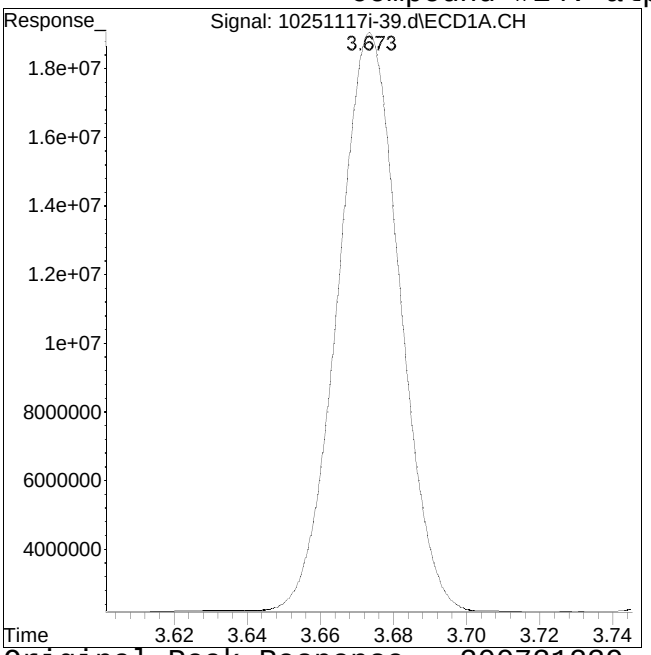
Manual Peak Response = 206794268 M4

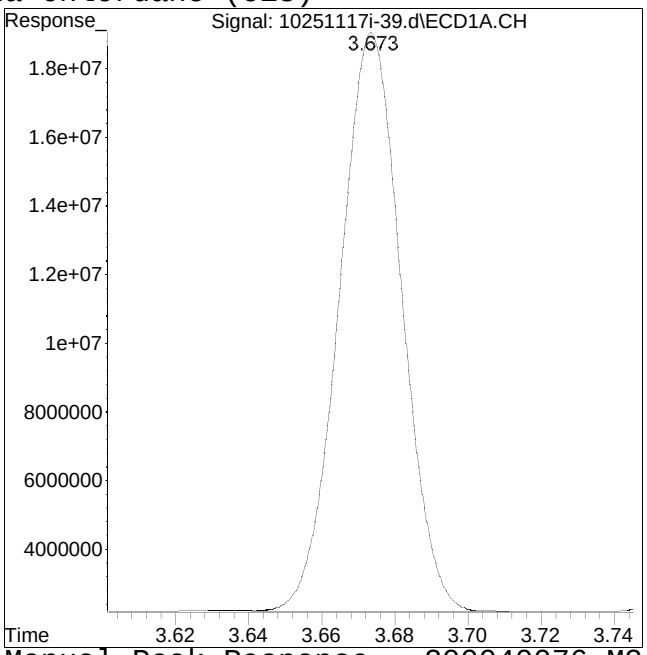
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-39.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:47 Instrument : Pest 10
Sample : il8pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 8:57 am

Compound #14: alpha-Chlordane (cis)



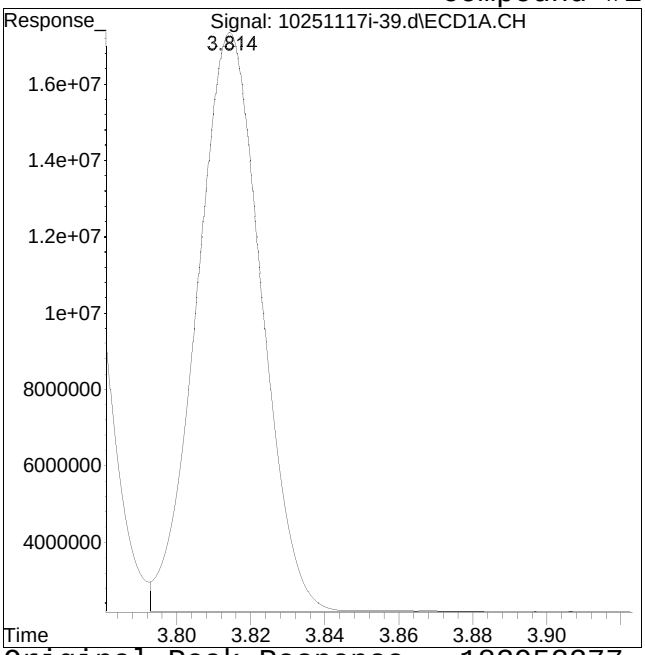


Original Peak Response = 200731239 Manual Peak Response = 200040076 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

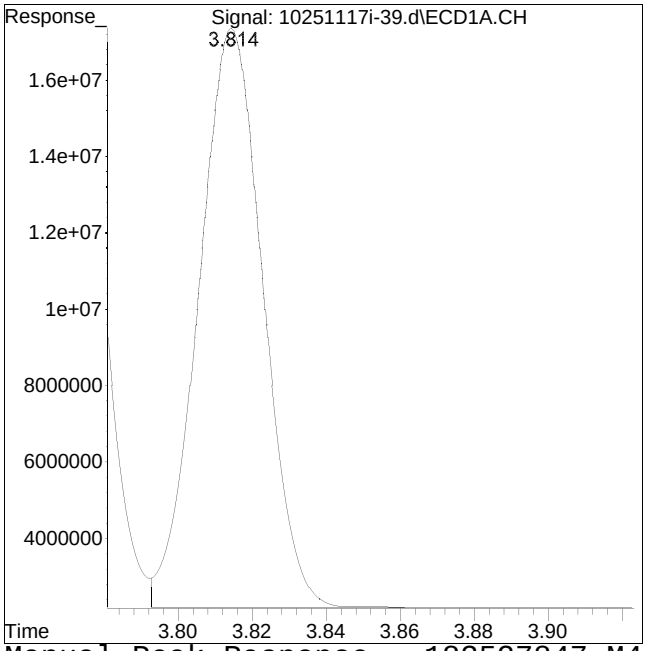
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-39.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:47 Instrument : Pest 10
Sample : il8pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 8:57 am

Compound #16: Endosulfan I



Original Peak Response = 183952377

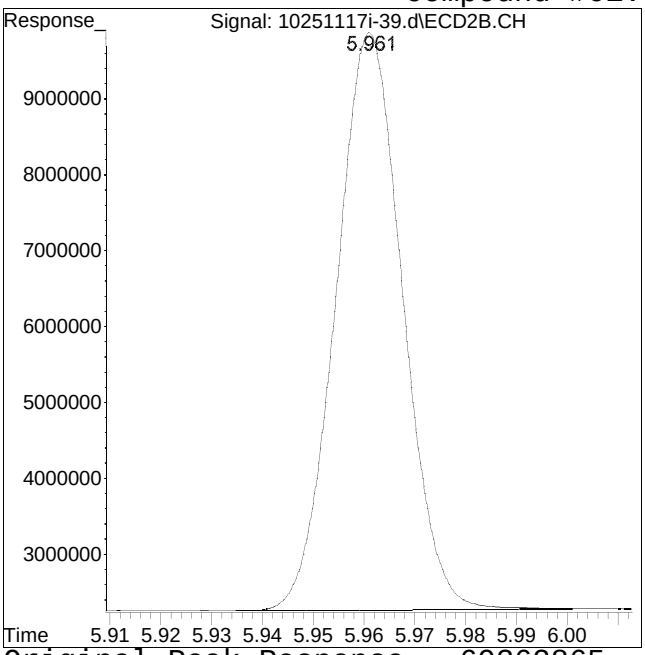


Manual Peak Response = 183527847 M4
M4 = Poor automated baseline construction.

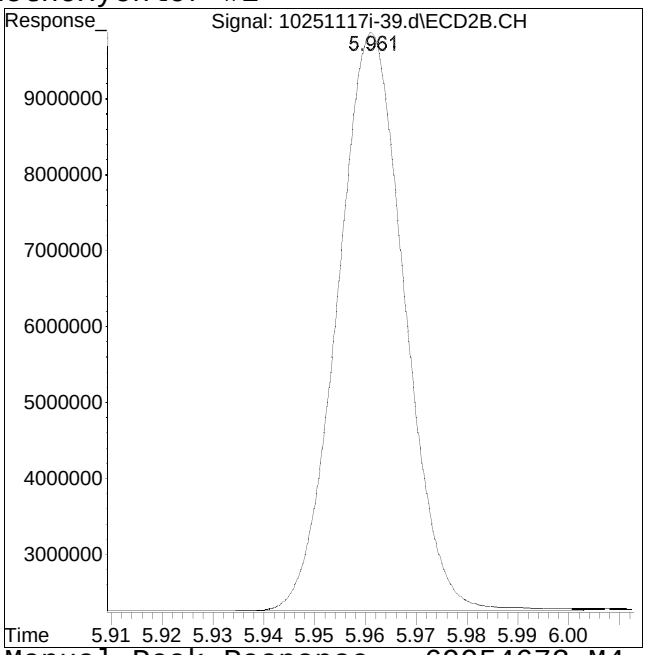
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-39.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:47 Instrument : Pest 10
Sample : il8pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 8:57 am

Compound #61: Methoxychlor #2



Original Peak Response = 69362865



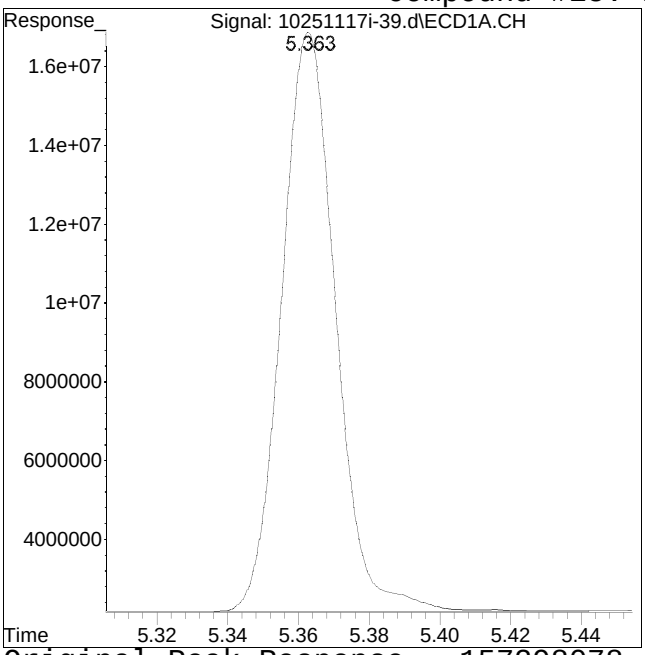
Manual Peak Response = 69954673 M4

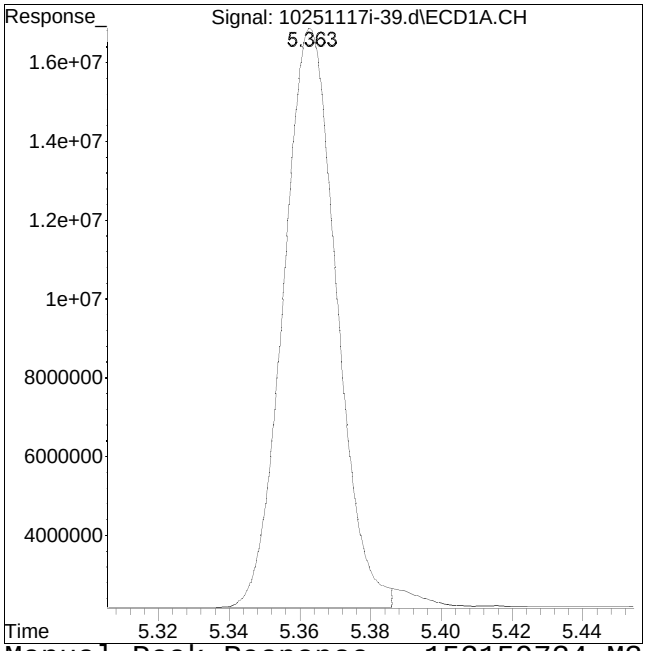
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-39.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:47 Instrument : Pest 10
Sample : il8pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 8:57 am

Compound #25: Endosulfan Sulfate



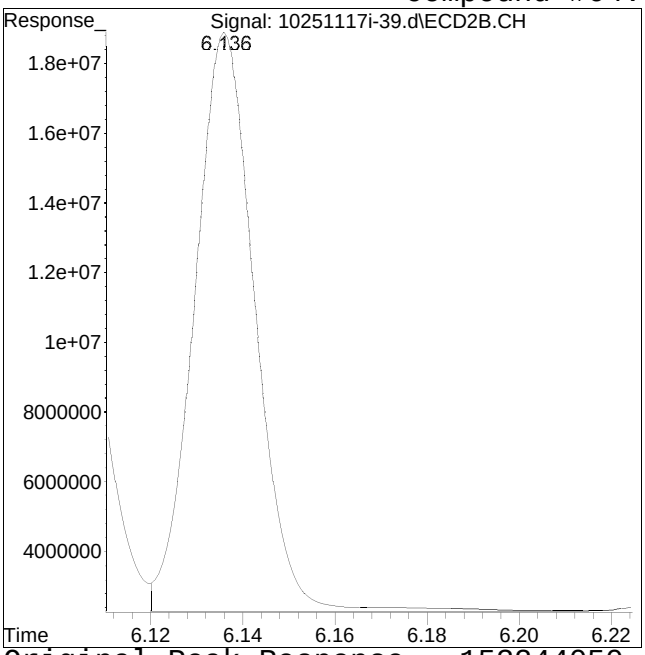


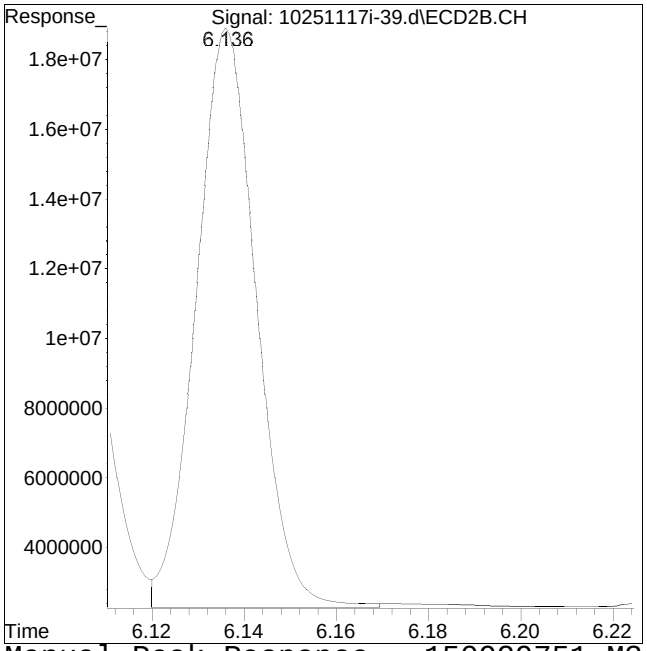
Original Peak Response = 157298078 Manual Peak Response = 153159734 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-39.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:47 Instrument : Pest 10
Sample : il8pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 8:57 am

Compound #64: Endrin Ketone #2



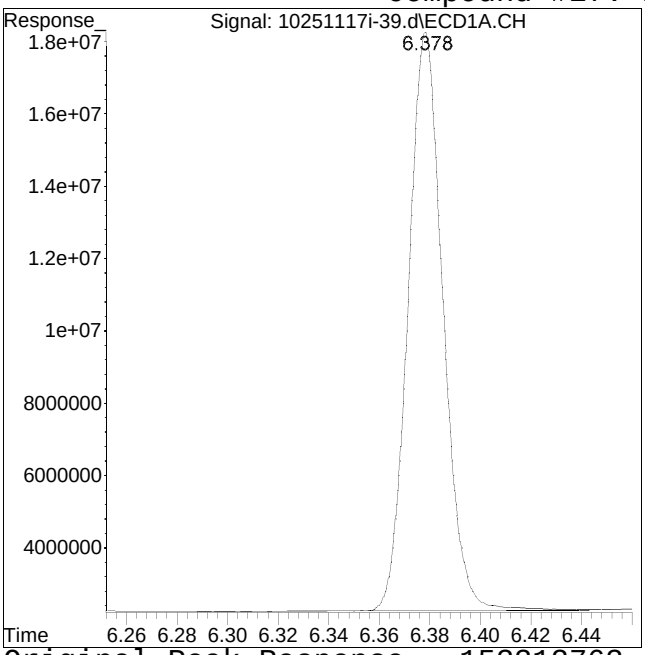


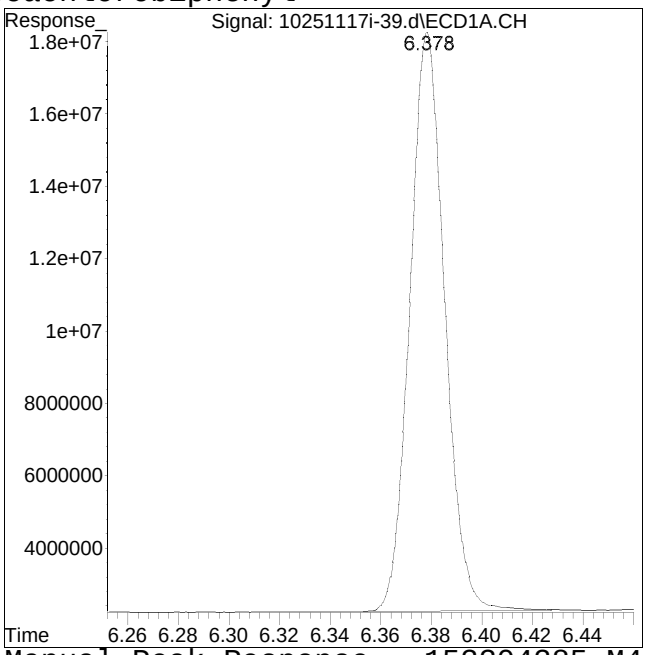
Original Peak Response = 153244050 Manual Peak Response = 150929751 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-39.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:47 Instrument : Pest 10
Sample : il8pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 8:57 am

Compound #27: Decachlorobiphenyl



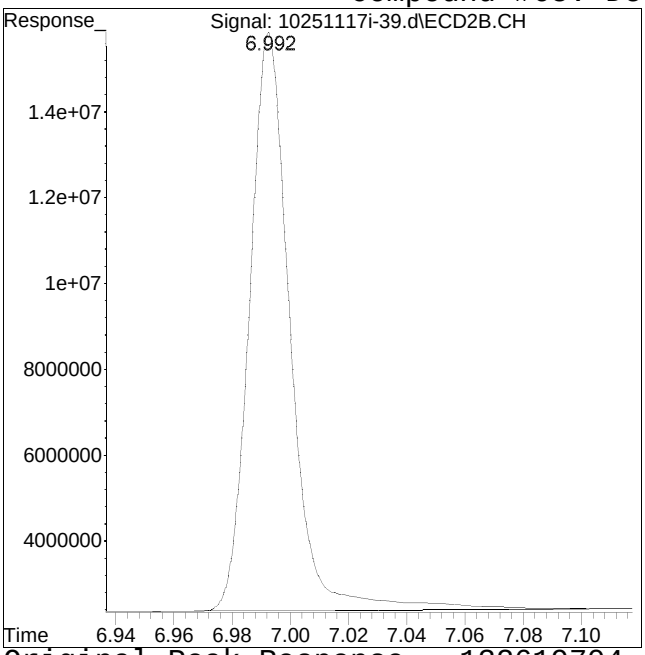


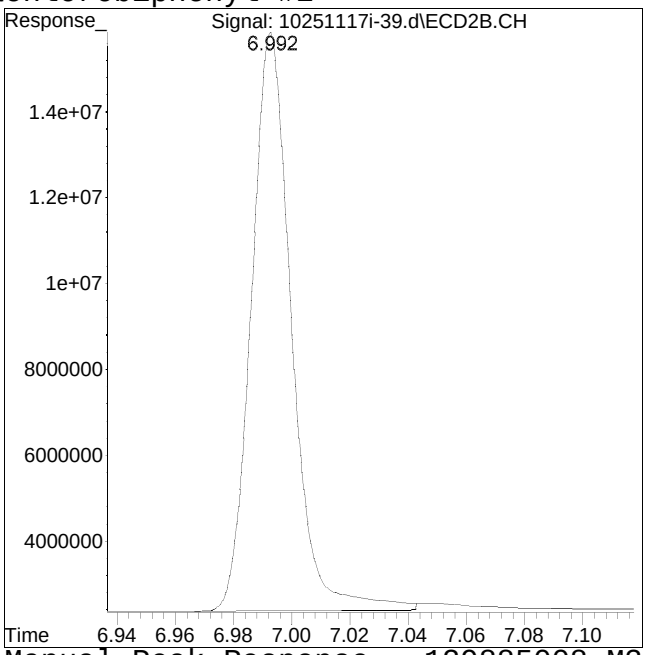
Original Peak Response = 153312763 Manual Peak Response = 153304385 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-39.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:47 Instrument : Pest 10
Sample : il8pest,42e,,pp 12310 L0.0Quant Date : 11/20/2025 8:57 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 132619704 Manual Peak Response = 129885008 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-40.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 14:59
Operator : PEST10:akm
Sample : il9pest,42e,,pp 12310 L0.1
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 08:59:35 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 08:59:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.361	1.421	66976722	61179605	25.000M4	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.714	1.908	360.8E6	313.3E6	100.598M3	105.051
	Spiked Amount 50.000	Range 30 - 150		Recovery =		201.20%#	210.10%#
27) s	Decachlorobi	6.378	6.991	297.7E6	252.9E6	97.189M4	99.697M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		194.38%#	199.39%#
	Target Compounds						
3) t	Hexachlorobe	1.935	2.236	398.7E6	330.5E6	99.559M3	103.230
4) t	alpha-BHC	2.036	2.334	478.2E6	458.5E6	102.712M4	107.641
5) t	gamma-BHC (l	2.245	2.625	427.7E6	404.5E6	102.158M3	107.065
6) t	beta-BHC	2.303	2.690	187.5E6	176.1E6	99.946	103.446
7) t	delta-BHC	2.435	2.963	428.2E6	409.4E6	103.121	108.204
8) t	Heptachlor	2.602	3.031	418.2E6	373.9E6	101.224	105.599
9) t	Aldrin	2.852	3.357	426.8E6	393.2E6	102.304	107.116
10) t	Alachlor	2.976	3.236	65887128	55005310	95.380	98.661
11) t	Chlorpyrifos	3.068	3.596	168.0E6	161.5E6	95.276	98.825
12) t	Heptachlor E	3.411	3.983	366.6E6	337.6E6	101.282	105.342
13) t	gamma-Chlord	3.537	4.205	413.5E6	372.3E6	102.263	106.053
14) t	alpha-Chlord	3.674	4.371	406.1E6	366.5E6	101.606M3	105.609
15) t	4,4'-DDE	3.771	4.562	424.7E6	381.6E6	103.121	108.291
16) t	Endosulfan I	3.815	4.431	372.8E6	335.6E6	101.677	105.281

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-40.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 14:59
Operator : PEST10:akm
Sample : il9pest,42e,,pp 12310 L0.1
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 08:59:35 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 08:59:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17)	t	Dieldrin	4.080	4.717	401.8E6	361.2E6	102.318	106.920M4
18)	t	Endrin	4.333	5.010	386.3E6	339.8E6	101.674	105.949
19)	t	4,4'-DDD	4.436	5.127	322.7E6	277.1E6	102.338	106.695M4
20)	t	Endosulfan I	4.568	5.205	346.3E6	299.6E6	101.282	104.911M4
21)	t	4,4'-DDT	4.722	5.402	329.3E6	271.1E6	102.301	106.269M4
22)	t	Endrin Aldeh	4.977	5.498	267.8E6	233.8E6	101.421	104.896M4
23)	t	Methoxychlor	5.199	5.961	169.5E6	137.5E6	97.730	100.661M4
24)	t	Mirex	5.261	6.103	273.4E6	225.2E6	97.727M4	100.295
25)	t	Endosulfan S	5.363	5.726	307.5E6	269.6E6	100.499M3	104.352
26)	t	Endrin Keton	5.589	6.136	358.1E6	306.2E6	99.701	103.880M3
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	chlordane-1			0	0	N.D.	N.D.
Average		chlordane-1					0.000	0.000
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37)	l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-40.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 14:59
Operator : PEST10:akm
Sample : il9pest,42e,,pp 12310 L0.1
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 08:59:35 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 08:59:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000

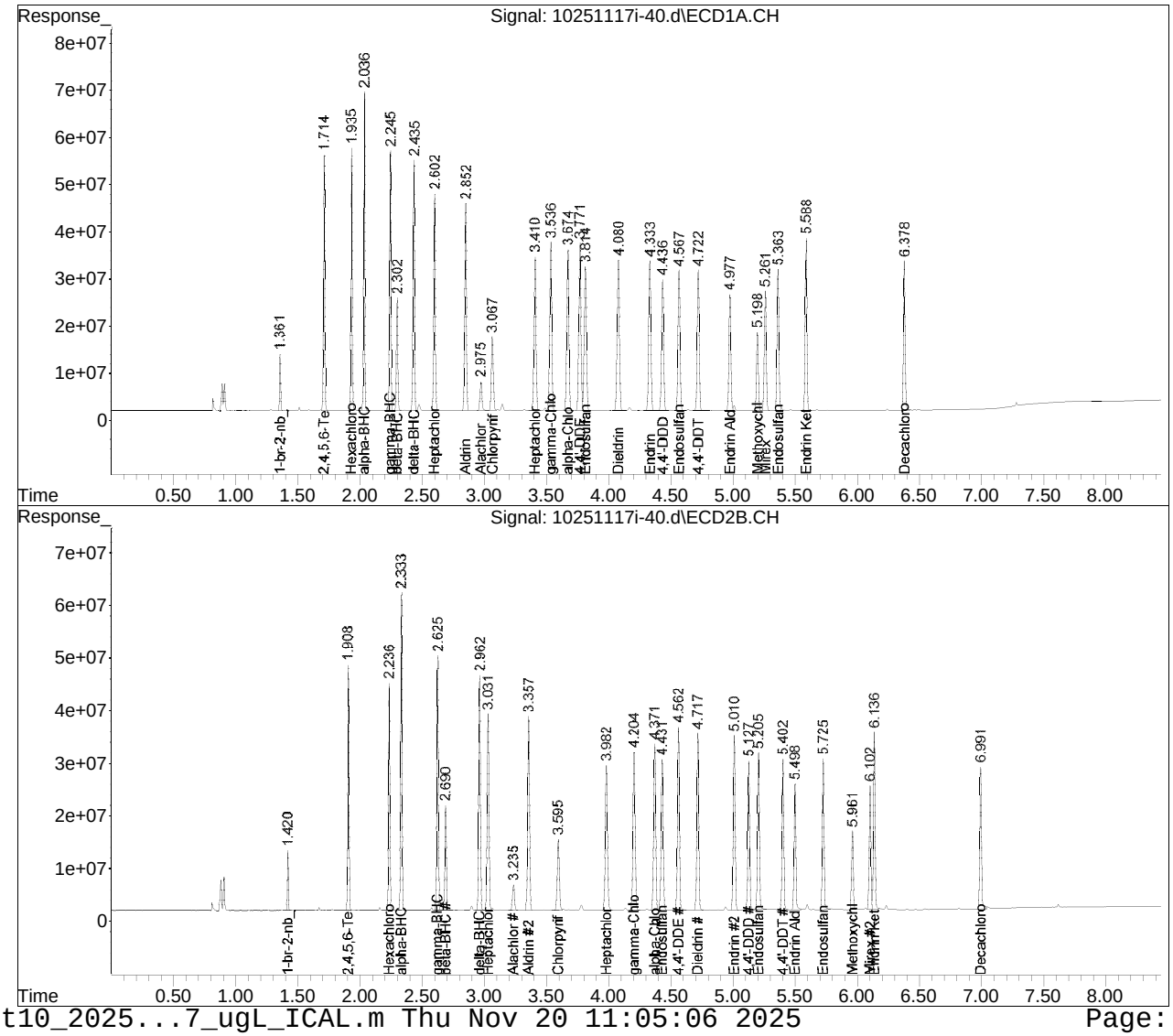
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-40.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 14:59
Operator : PEST10:akm
Sample : il9pest,42e,,pp 12310 L0.1
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 08:59:35 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 08:59:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

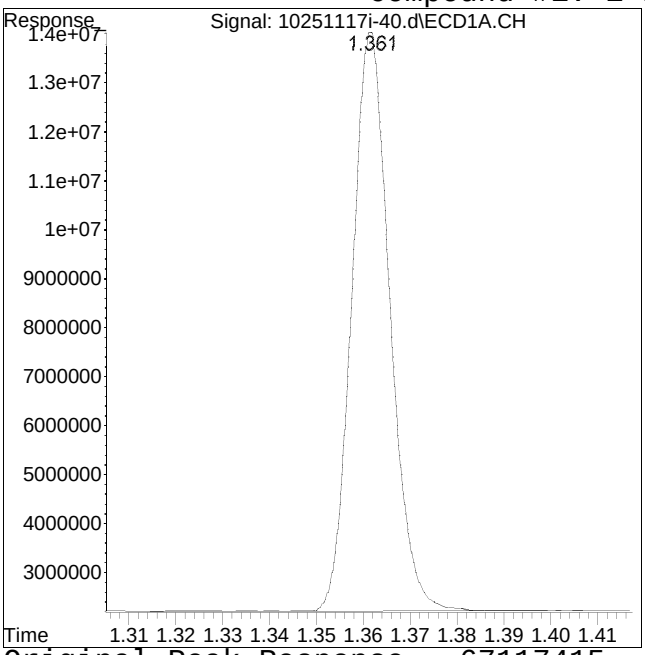
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



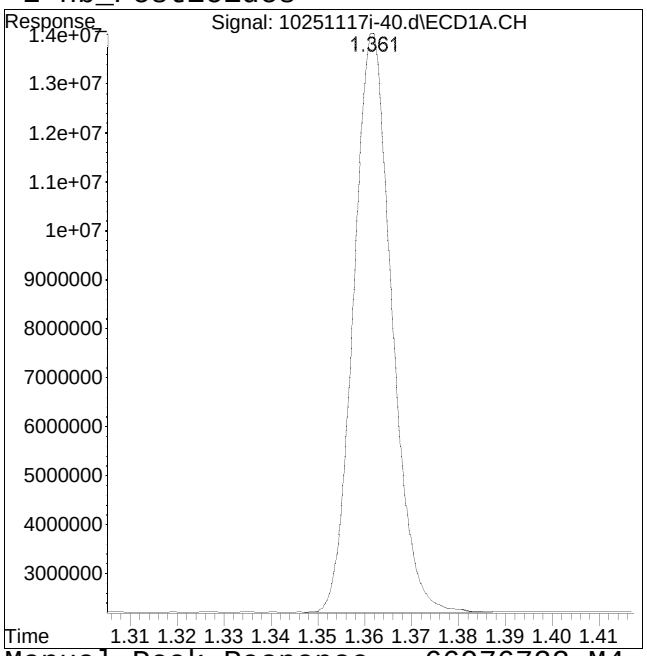
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-40.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:59 Instrument : Pest 10
Sample : il9pest,42e,,pp 12310 L0.1Quant Date : 11/20/2025 8:59 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 67117415



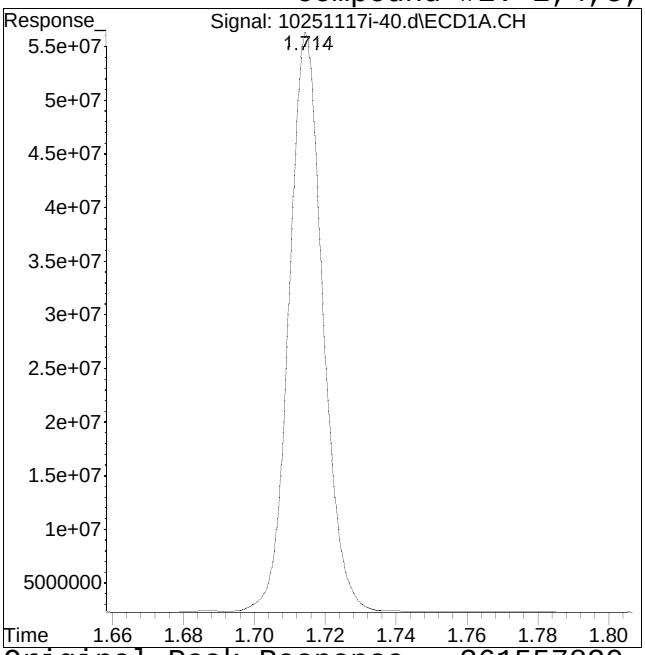
Manual Peak Response = 66976722 M4

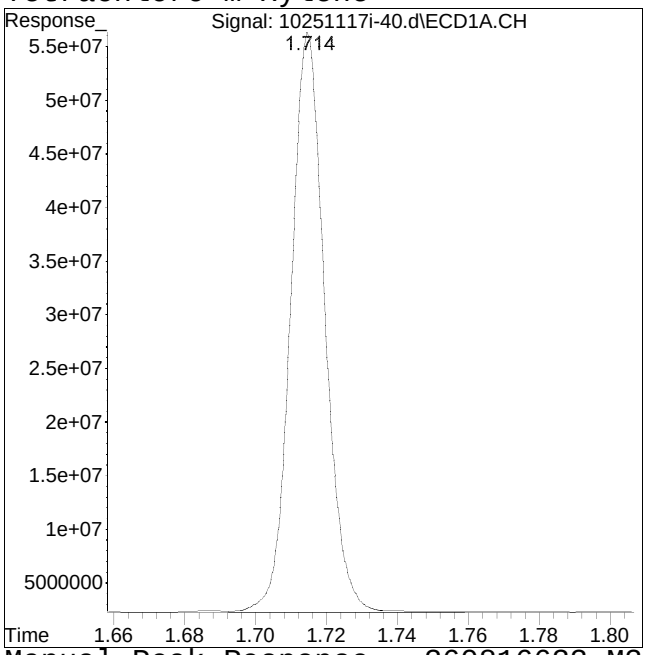
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-40.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:59 Instrument : Pest 10
Sample : il9pest,42e,,pp 12310 L0.1Quant Date : 11/20/2025 8:59 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



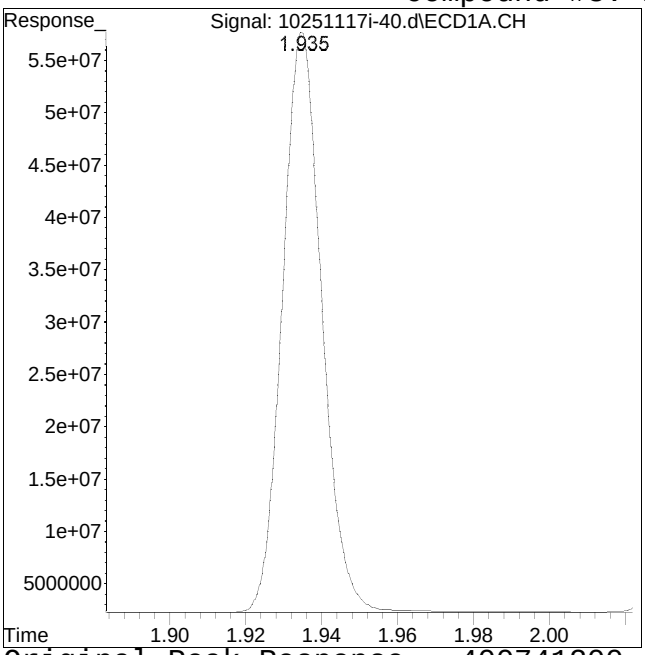


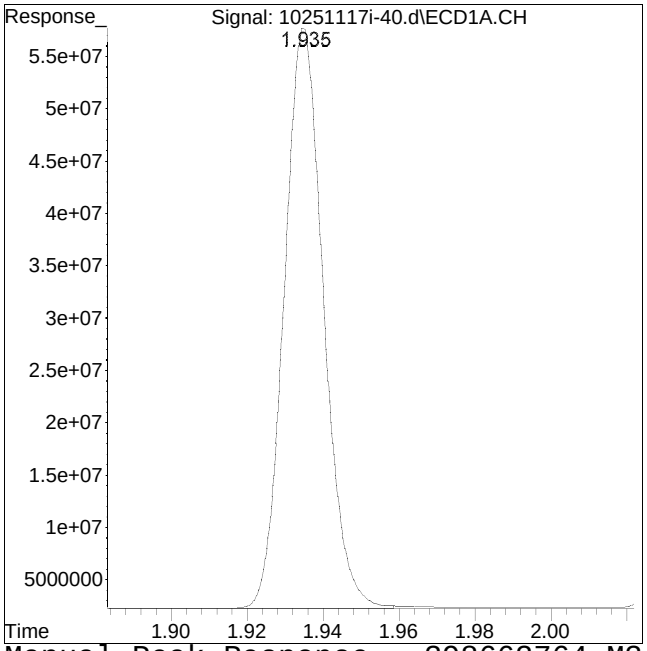
Original Peak Response = 361557830 Manual Peak Response = 360816633 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-40.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:59 Instrument : Pest 10
Sample : il9pest,42e,,pp 12310 L0.1Quant Date : 11/20/2025 8:59 am

Compound #3: Hexachlorobenzene



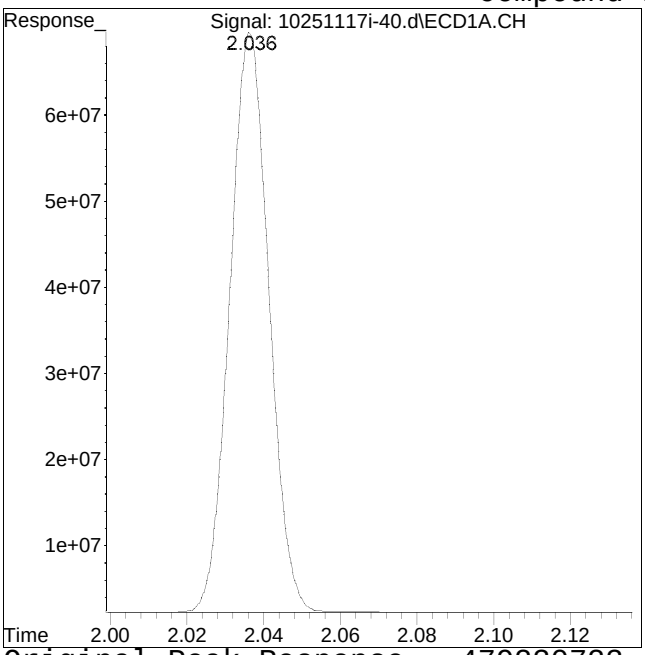


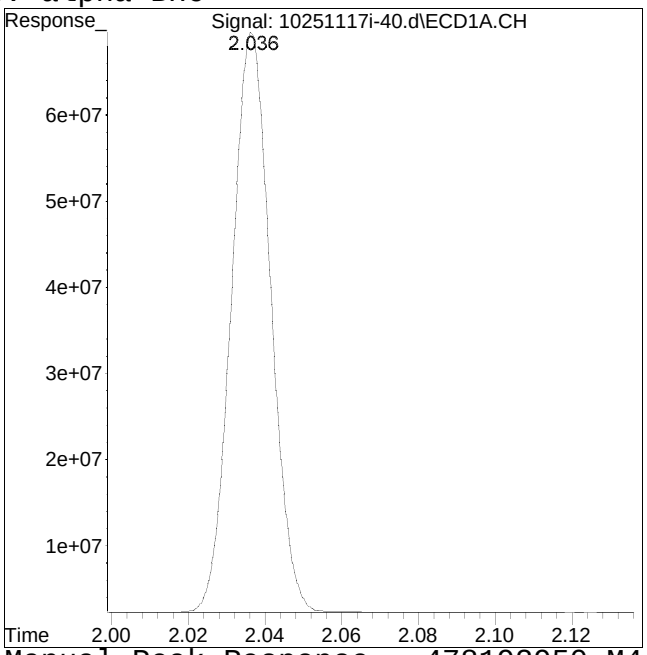
Original Peak Response = 400741200 Manual Peak Response = 398663764 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-40.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:59 Instrument : Pest 10
Sample : il9pest,42e,,pp 12310 L0.1Quant Date : 11/20/2025 8:59 am

Compound #4: alpha-BHC



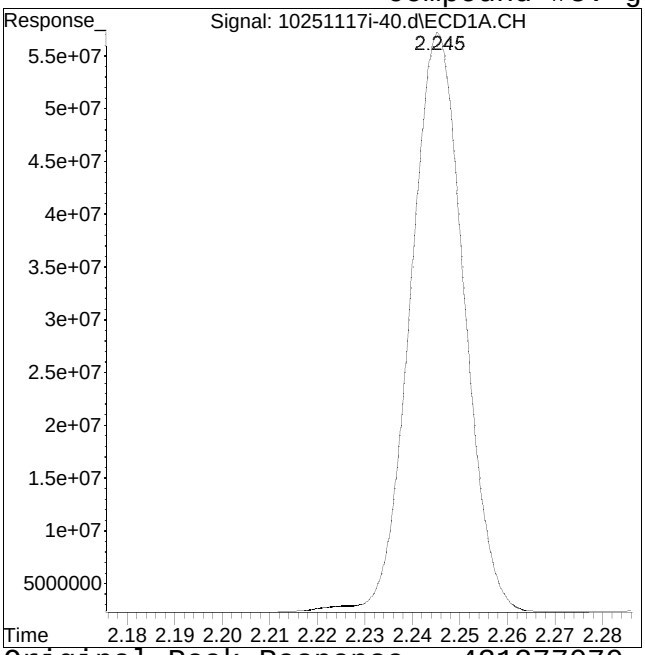


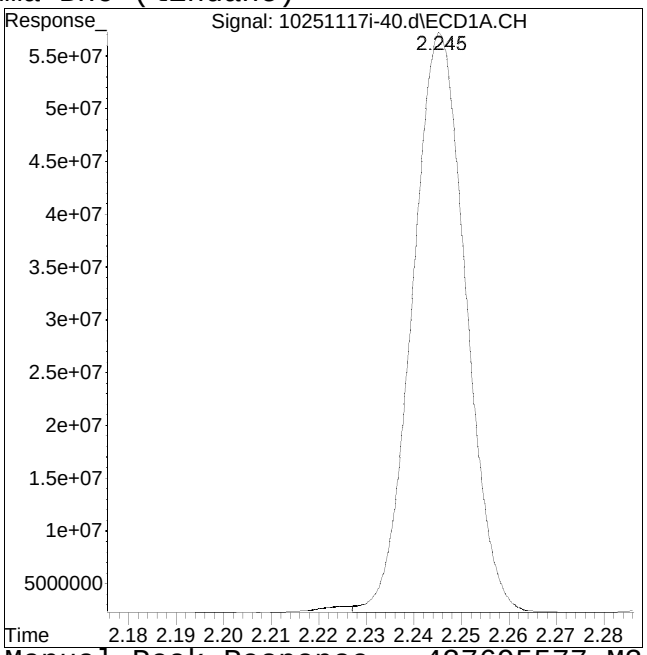
Original Peak Response = 479230723 Manual Peak Response = 478192950 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-40.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:59 Instrument : Pest 10
Sample : il9pest,42e,,pp 12310 L0.1Quant Date : 11/20/2025 8:59 am

Compound #5: gamma-BHC (lindane)



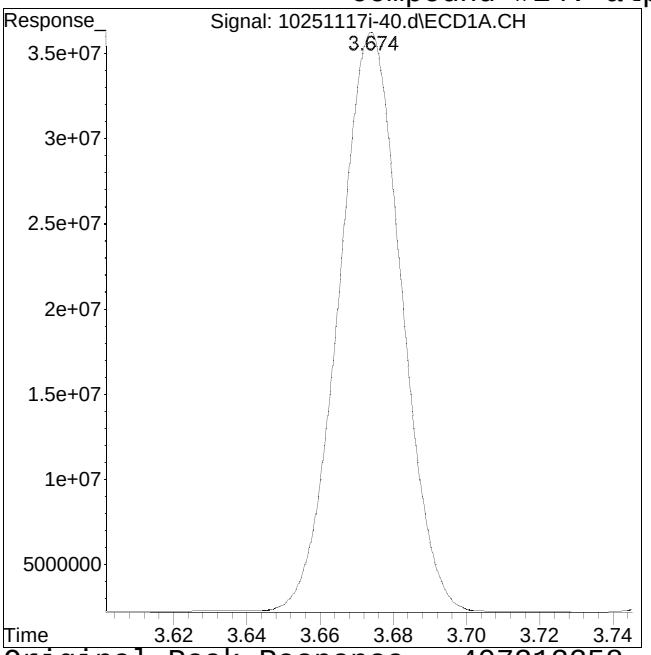


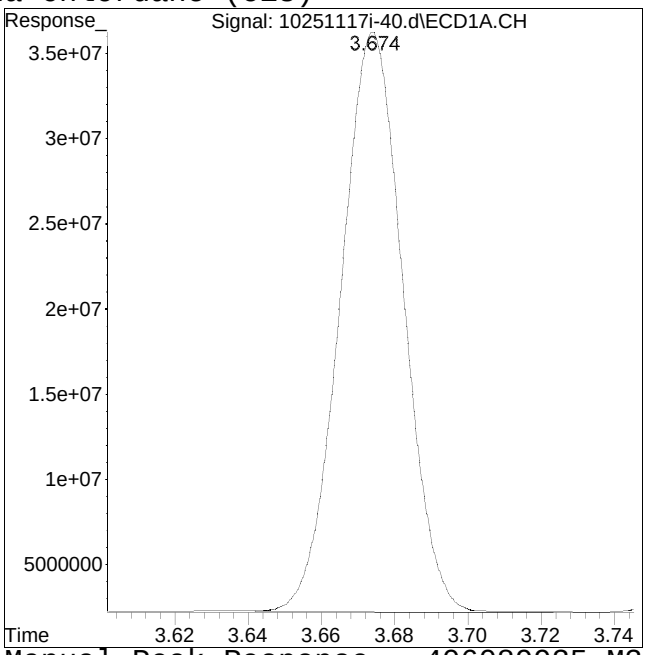
Original Peak Response = 431277070 Manual Peak Response = 427695577 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-40.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:59 Instrument : Pest 10
Sample : il9pest,42e,,pp 12310 L0.1Quant Date : 11/20/2025 8:59 am

Compound #14: alpha-Chlordane (cis)



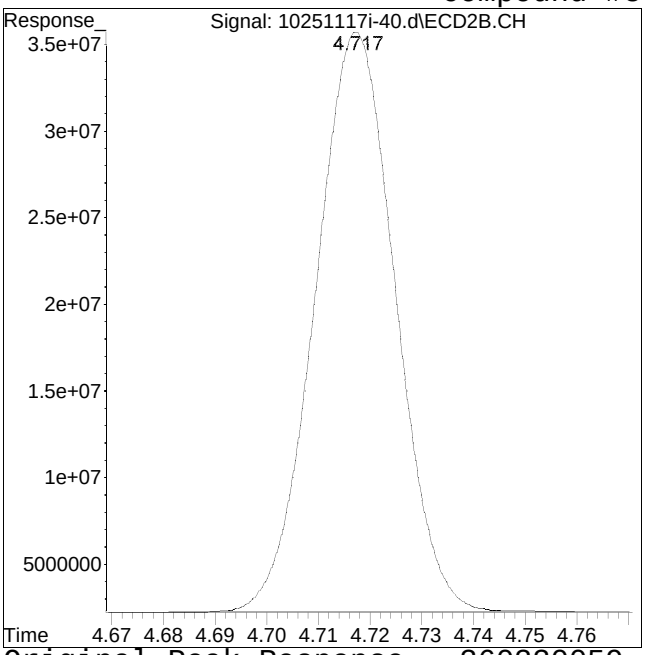


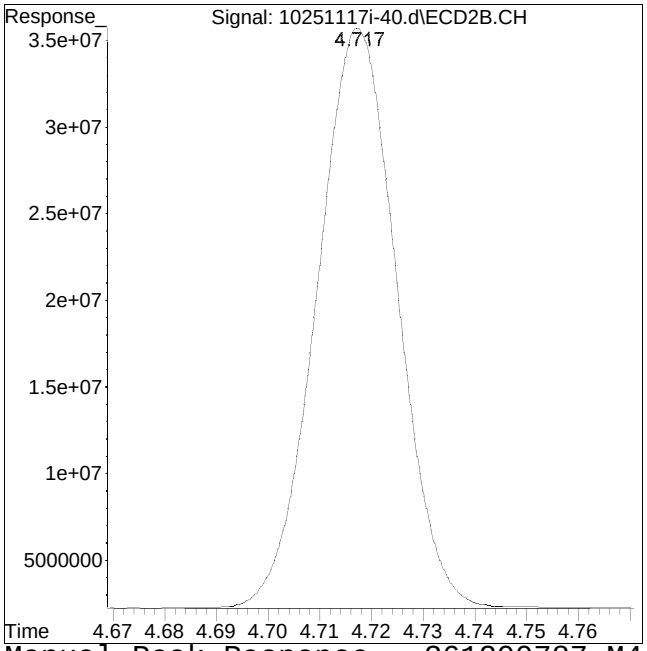
Original Peak Response = 407312358 Manual Peak Response = 406089935 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-40.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:59 Instrument : Pest 10
Sample : il9pest,42e,,pp 12310 L0.1Quant Date : 11/20/2025 8:59 am

Compound #55: Dieldrin #2



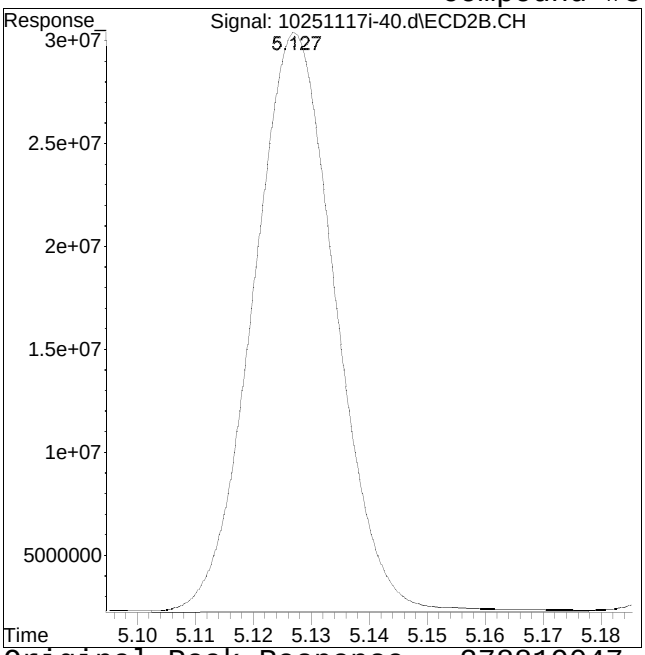


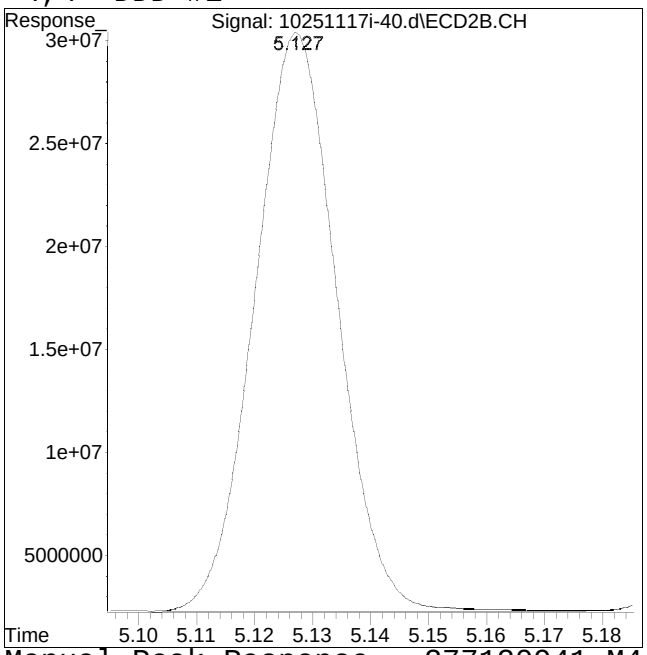
Original Peak Response = 360330059 Manual Peak Response = 361200787 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-40.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:59 Instrument : Pest 10
Sample : il9pest,42e,,pp 12310 L0.1Quant Date : 11/20/2025 8:59 am

Compound #57: 4,4'-DDD #2



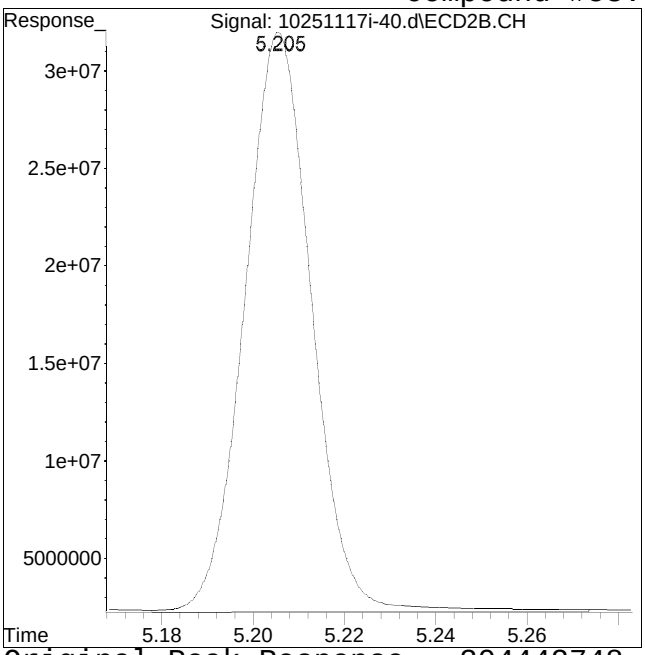


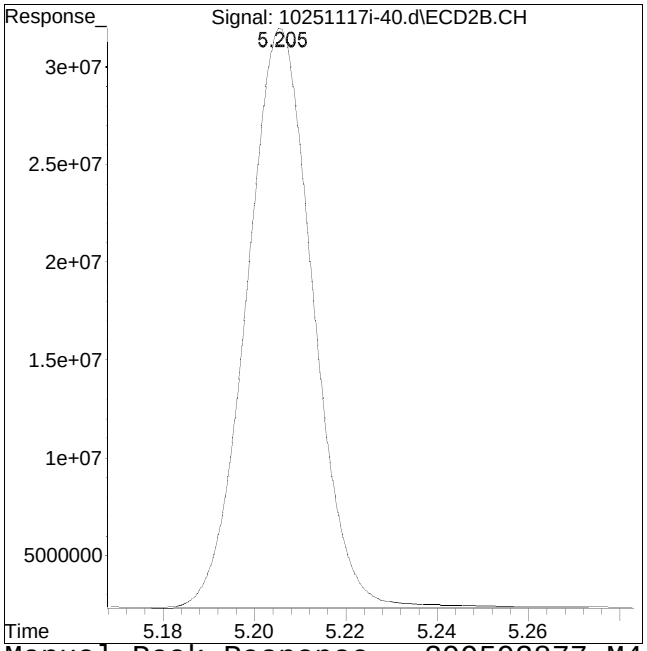
Original Peak Response = 278819047 Manual Peak Response = 277120941 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-40.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:59 Instrument : Pest 10
Sample : il9pest,42e,,pp 12310 L0.1Quant Date : 11/20/2025 8:59 am

Compound #58: Endosulfan II #2



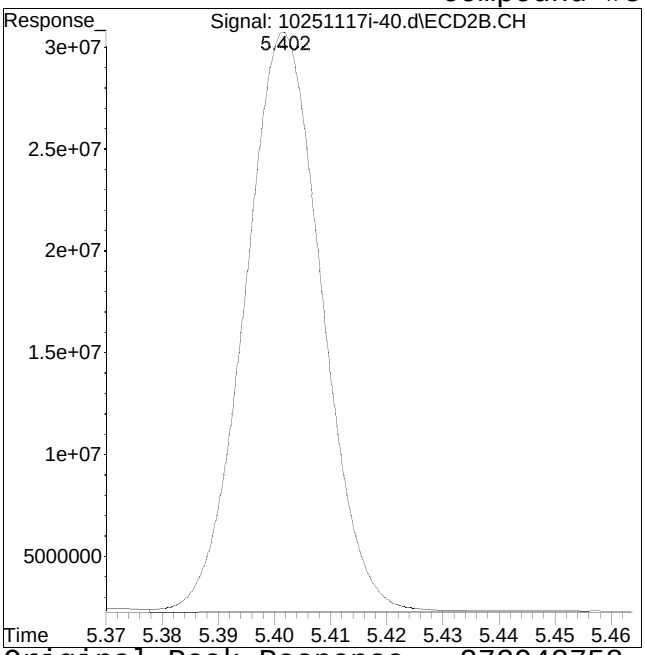


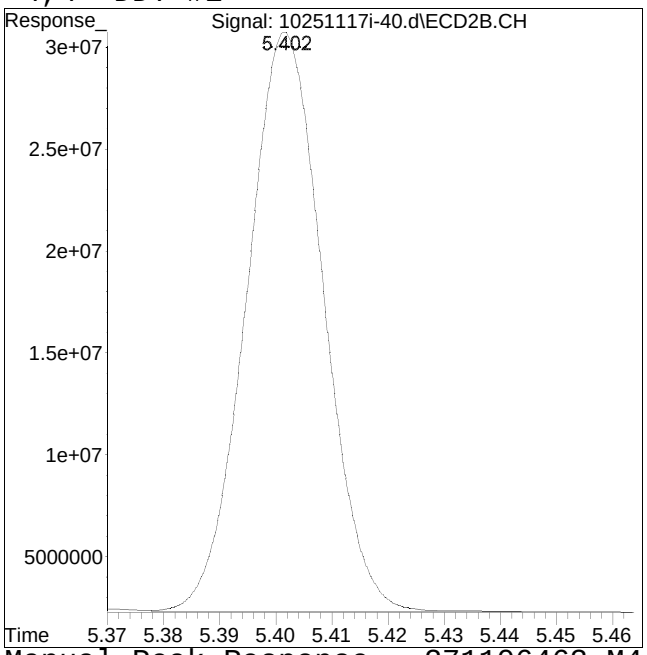
Original Peak Response = 304442748 Manual Peak Response = 299593877 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-40.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:59 Instrument : Pest 10
Sample : il9pest,42e,,pp 12310 L0.1Quant Date : 11/20/2025 8:59 am

Compound #59: 4,4'-DDT #2



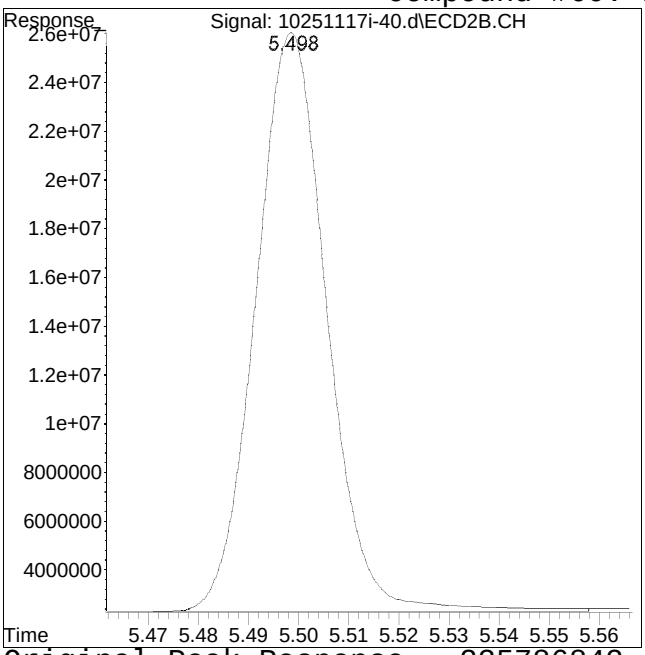


Original Peak Response = 272942758 Manual Peak Response = 271106463 M4
M4 = Poor automated baseline construction.

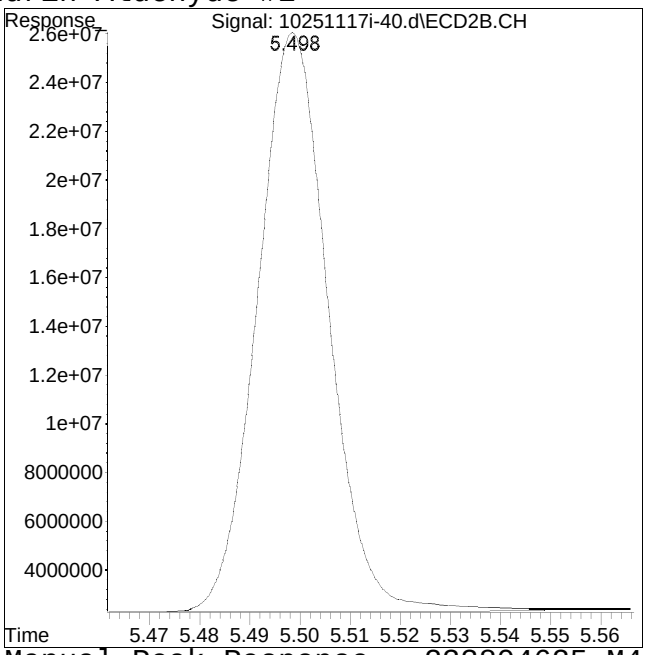
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-40.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:59 Instrument : Pest 10
Sample : il9pest,42e,,pp 12310 L0.1Quant Date : 11/20/2025 8:59 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 235786842



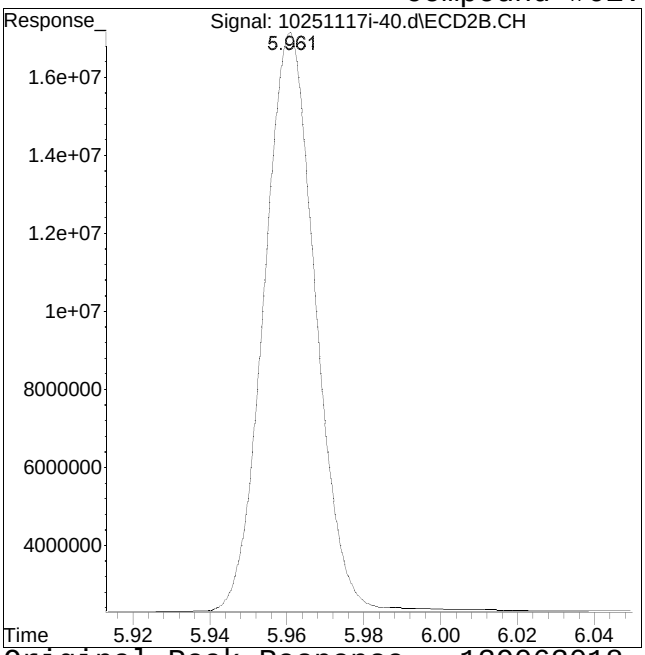
Manual Peak Response = 233804625 M4

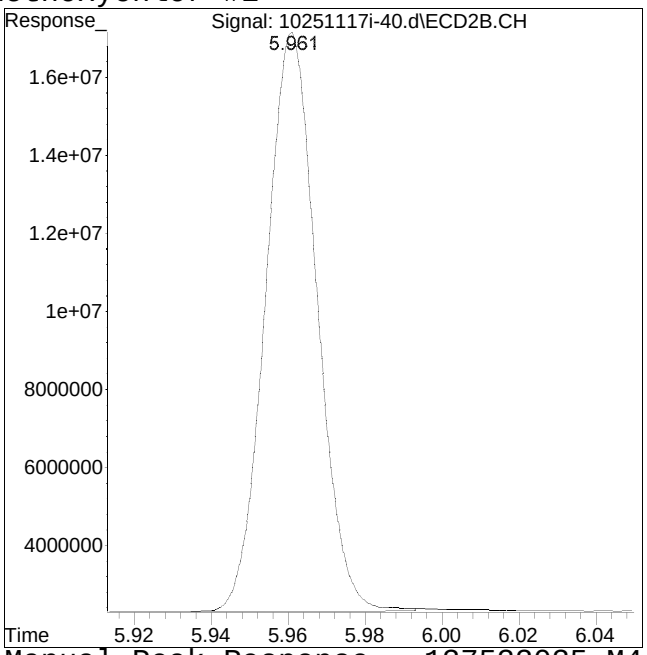
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-40.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:59 Instrument : Pest 10
Sample : il9pest,42e,,pp 12310 L0.1Quant Date : 11/20/2025 8:59 am

Compound #61: Methoxychlor #2



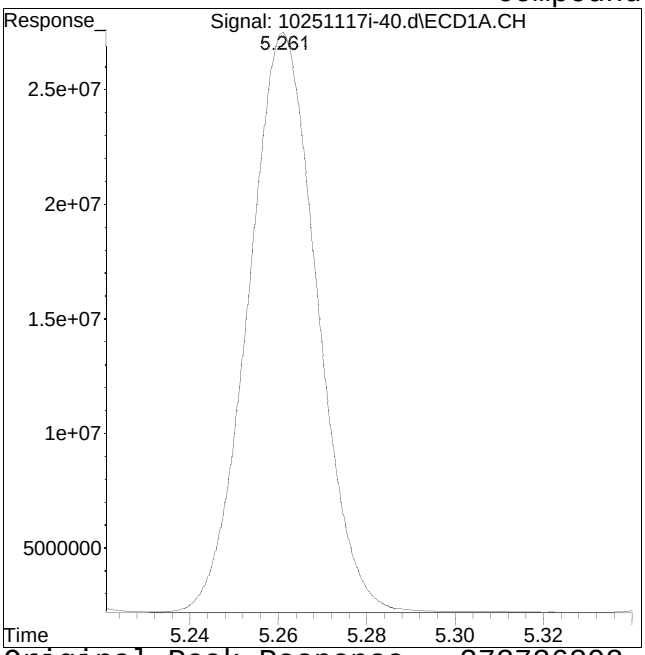


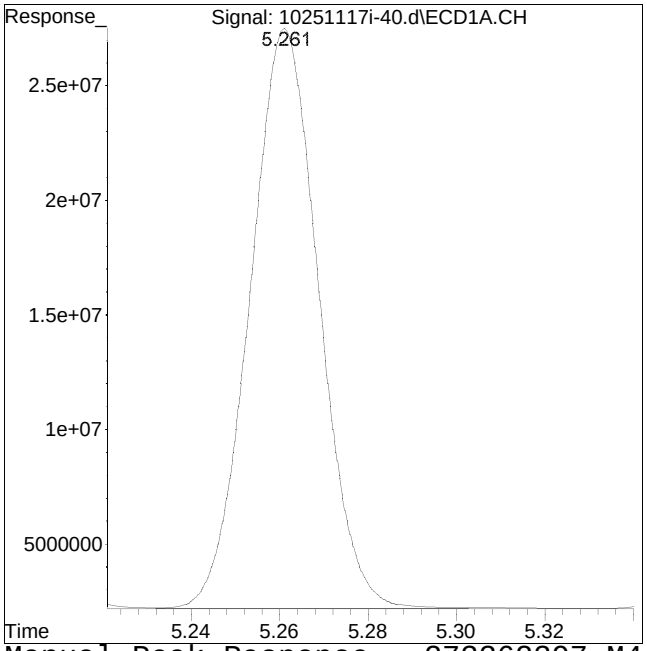
Original Peak Response = 139063018 Manual Peak Response = 137533035 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-40.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:59 Instrument : Pest 10
Sample : il9pest,42e,,pp 12310 L0.1Quant Date : 11/20/2025 8:59 am

Compound #24: Mirex



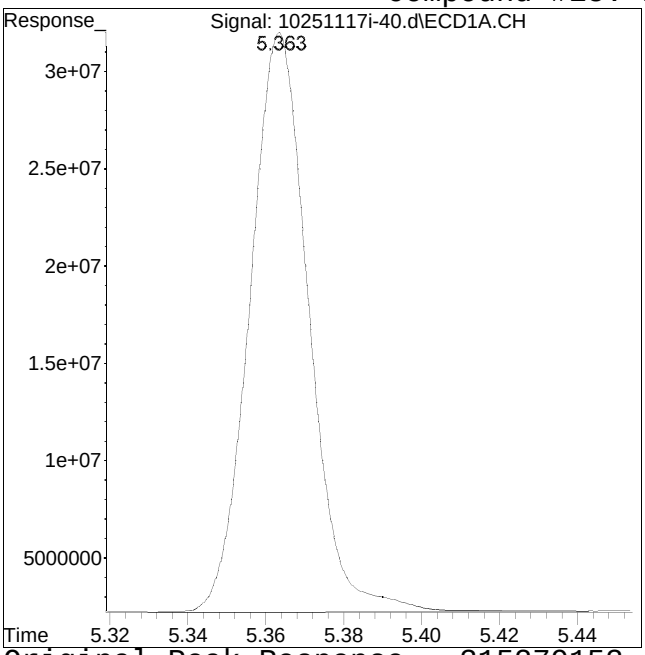


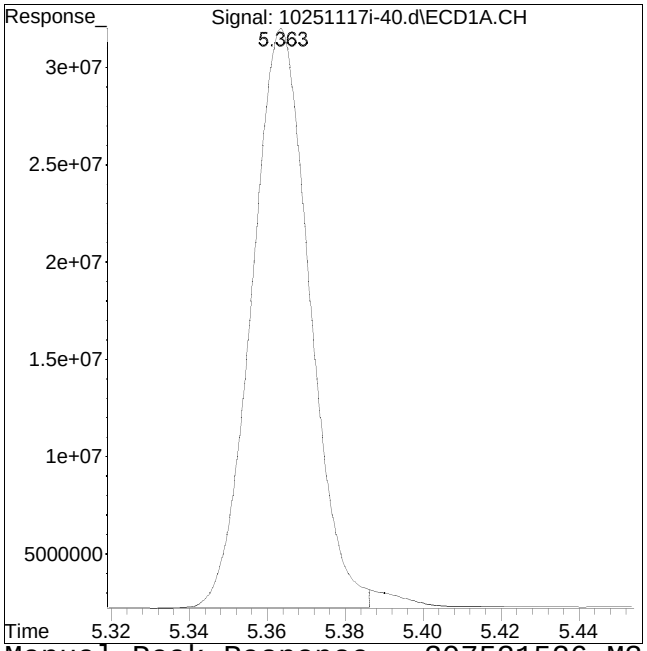
Original Peak Response = 273736302 Manual Peak Response = 273362397 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-40.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:59 Instrument : Pest 10
Sample : il9pest,42e,,pp 12310 L0.1Quant Date : 11/20/2025 8:59 am

Compound #25: Endosulfan Sulfate



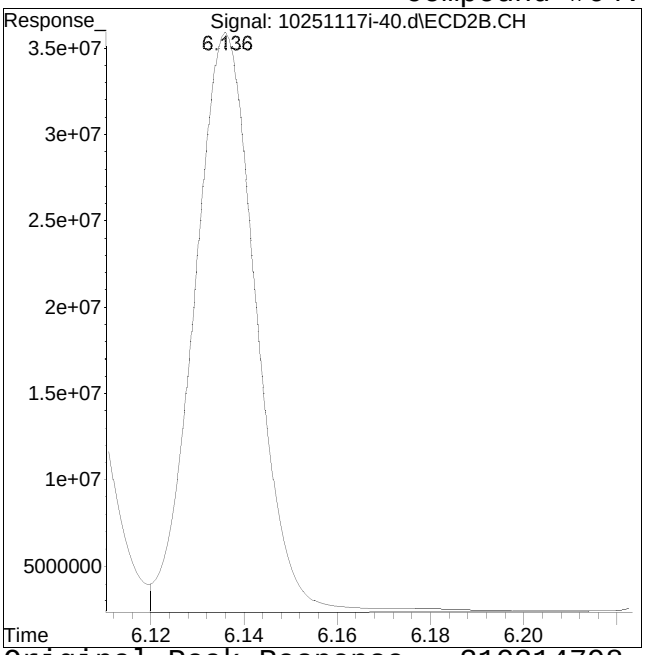


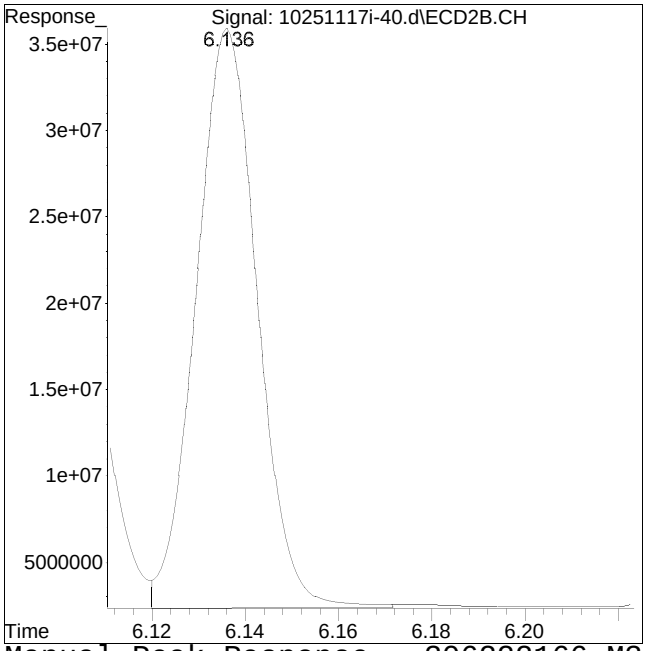
Original Peak Response = 315279153 Manual Peak Response = 307531526 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-40.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:59 Instrument : Pest 10
Sample : il9pest,42e,,pp 12310 L0.1Quant Date : 11/20/2025 8:59 am

Compound #64: Endrin Ketone #2



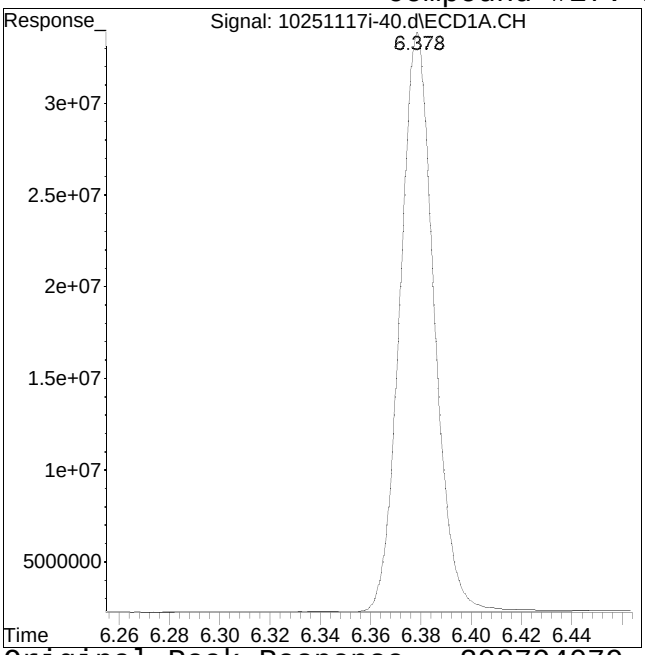


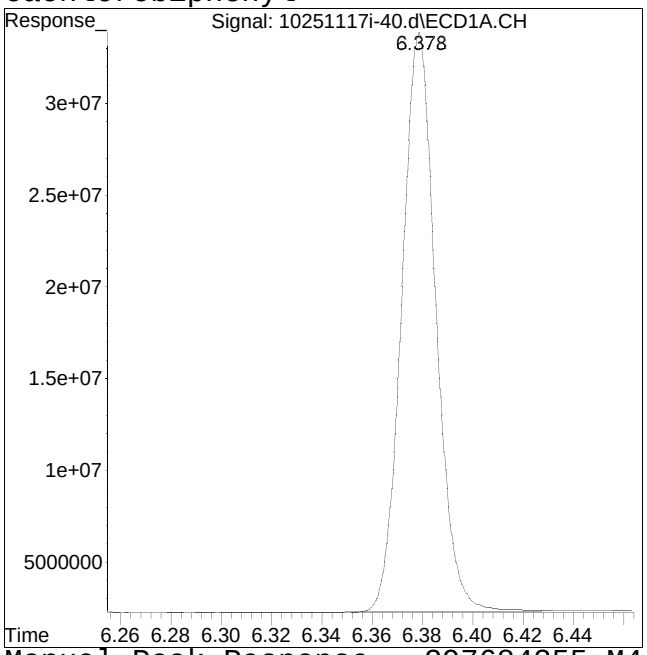
Original Peak Response = 310314798 Manual Peak Response = 306222166 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-40.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:59 Instrument : Pest 10
Sample : il9pest,42e,,pp 12310 L0.1Quant Date : 11/20/2025 8:59 am

Compound #27: Decachlorobiphenyl



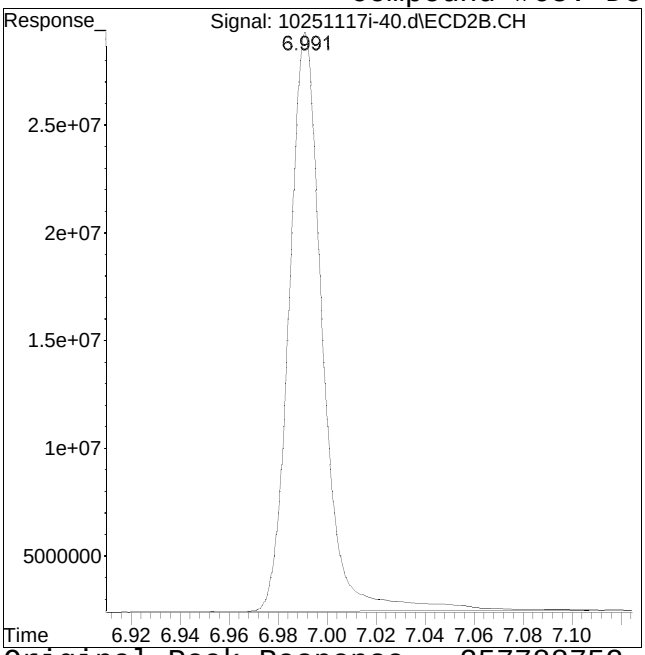


Original Peak Response = 298794079 Manual Peak Response = 297684355 M4
M4 = Poor automated baseline construction.

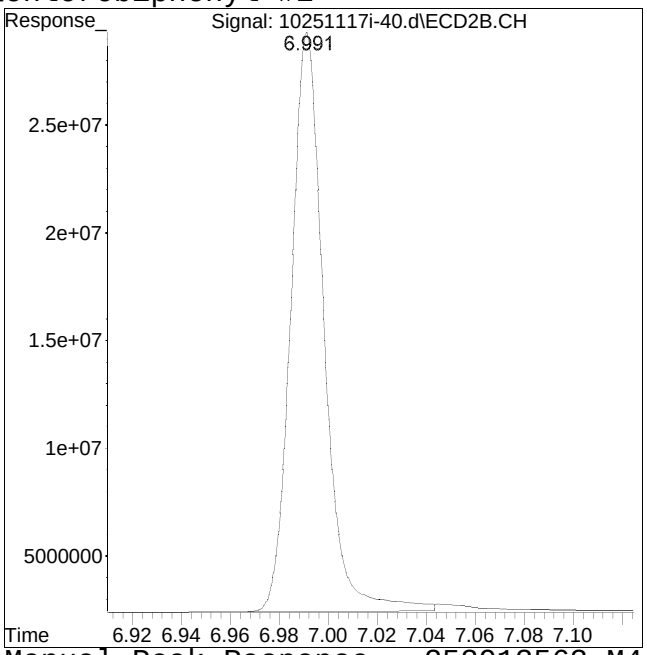
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-40.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 14:59 Instrument : Pest 10
Sample : il9pest,42e,,pp 12310 L0.1Quant Date : 11/20/2025 8:59 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 257788752



Manual Peak Response = 252913563 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-41.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 15:10
Operator : PEST10:akm
Sample : il10pest,42e,,pp 12310 L0.2
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 41 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:03:14 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:03:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.361	1.420	66492160	60772152	25.000M4	25.000M4
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	1.714	1.907	679.7E6	607.5E6	190.316M3	200.010
		Spiked Amount 50.000	Range 30 - 150		Recovery =		380.63%#	400.02%#
27)	s	Decachlorobi	6.378	6.992	557.3E6	478.0E6	185.878M3	189.995
		Spiked Amount 50.000	Range 30 - 150		Recovery =		371.76%#	379.99%#
		Target Compounds						
3)	t	Hexachlorobe	1.935	2.236	751.1E6	638.4E6	189.359M3	197.548
4)	t	alpha-BHC	2.037	2.333	920.2E6	913.9E6	196.421M4	208.042
5)	t	gamma-BHC (l	2.246	2.625	822.4E6	802.0E6	195.762M3	206.380
6)	t	beta-BHC	2.303	2.689	356.6E6	341.0E6	191.535	198.247
7)	t	delta-BHC	2.436	2.963	827.8E6	818.4E6	197.747	209.197
8)	t	Heptachlor	2.602	3.031	788.9E6	735.2E6	191.158M4	203.332
9)	t	Aldrin	2.852	3.357	816.1E6	780.0E6	194.785	206.570
10)	t	Alachlor	2.976	3.235	118.1E6	101.0E6	176.224M4	183.521
11)	t	Chlorpyrifos	3.068	3.595	305.7E6	302.2E6	178.860	187.257
12)	t	Heptachlor E	3.411	3.982	693.2E6	662.1E6	191.687	202.557
13)	t	gamma-Chlord	3.537	4.205	791.3E6	739.3E6	194.915	205.753
14)	t	alpha-Chlord	3.674	4.371	774.1E6	721.9E6	193.536M3	203.725

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-41.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 15:10
Operator : PEST10:akm
Sample : il10pest,42e,,pp 12310 L0.2
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 41 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:03:14 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:03:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) t	4,4'-DDE	3.771	4.562	814.0E6	759.1E6	196.061	208.237
16) t	Endosulfan I	3.815	4.431	705.2E6	658.2E6	192.118	202.551
17) t	Dieldrin	4.080	4.717	766.6E6	713.3E6	194.402	205.717M4
18) t	Endrin	4.333	5.010	731.6E6	672.2E6	192.370M4	204.878
19) t	4,4'-DDD	4.436	5.127	616.5E6	554.5E6	194.642	207.964
20) t	Endosulfan I	4.569	5.205	654.7E6	586.8E6	191.674	201.916M4
21) t	4,4'-DDT	4.722	5.402	629.4E6	536.7E6	194.714	205.356M4
22) t	Endrin Aldeh	4.977	5.499	507.8E6	456.8E6	192.341	201.408M4
23) t	Methoxychlor	5.199	5.961	316.0E6	262.9E6	185.666	193.072M4
24) t	Mirex	5.262	6.103	511.9E6	425.0E6	186.469	190.259
25) t	Endosulfan S	5.363	5.726	577.5E6	527.5E6	189.635M3	201.122
26) t	Endrin Keton	5.589	6.136	671.5E6	593.3E6	188.572	198.743M3
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-41.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 15:10
Operator : PEST10:akm
Sample : il10pest,42e,,pp 12310 L0.2
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 41 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:03:14 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:03:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000

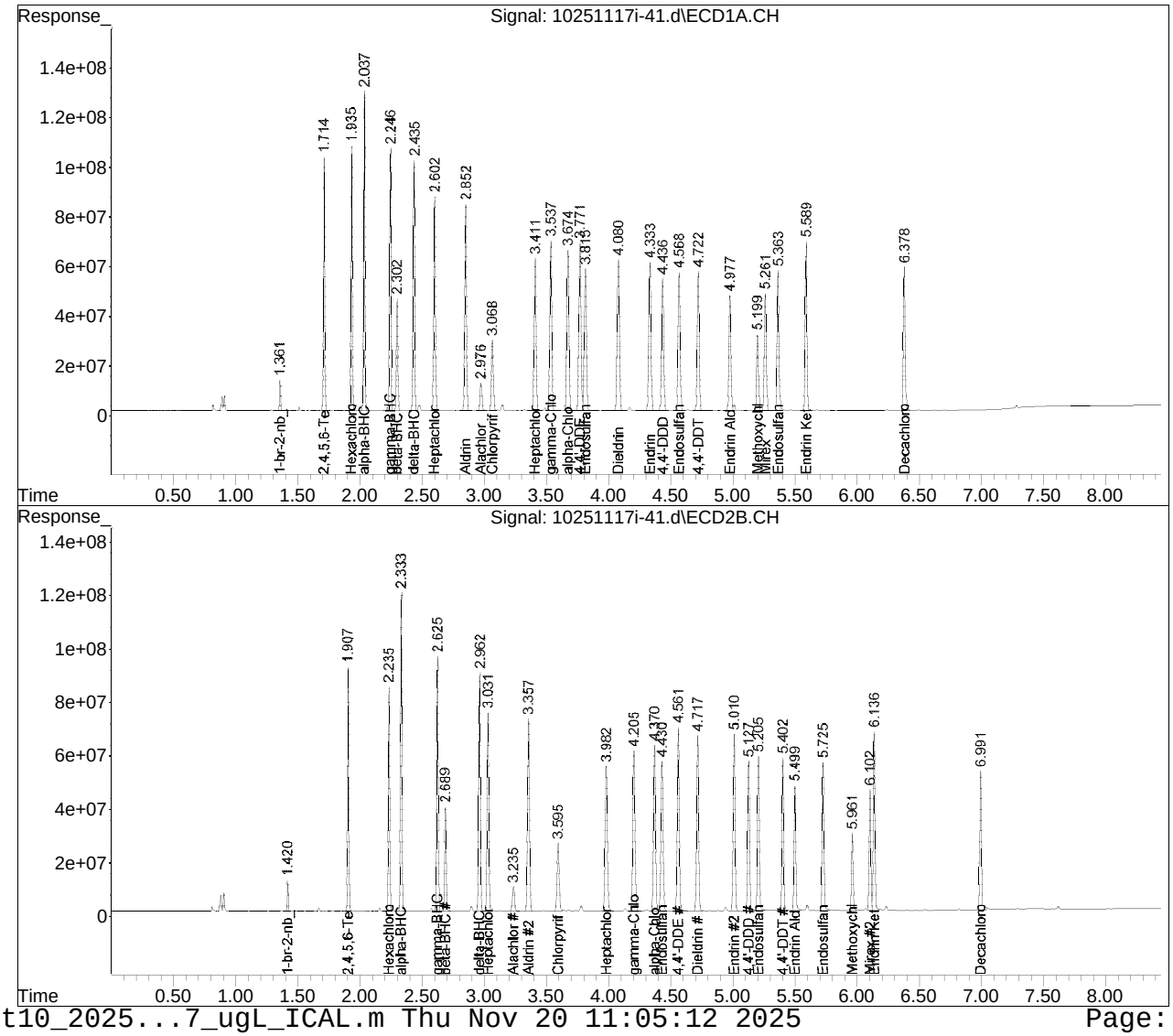
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-41.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 15:10
Operator : PEST10:akm
Sample : il10pest,42e,,pp 12310 L0.2
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 41 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:03:14 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:03:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

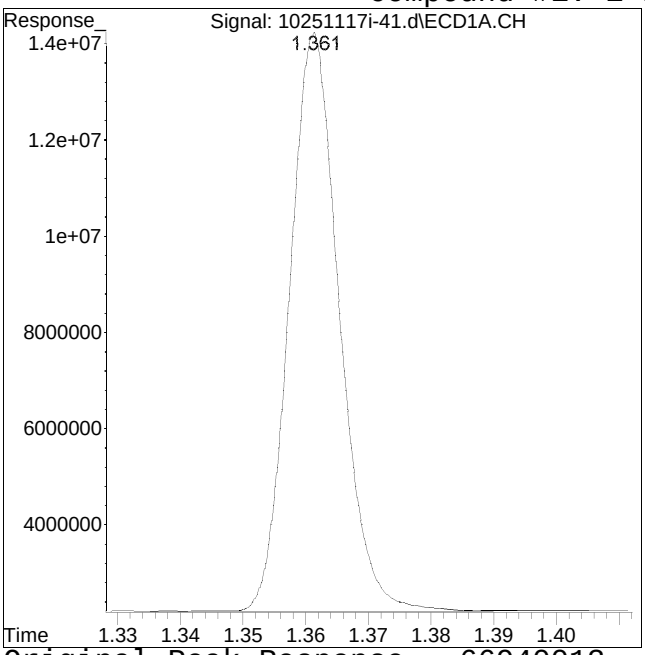


Manual Integration Report

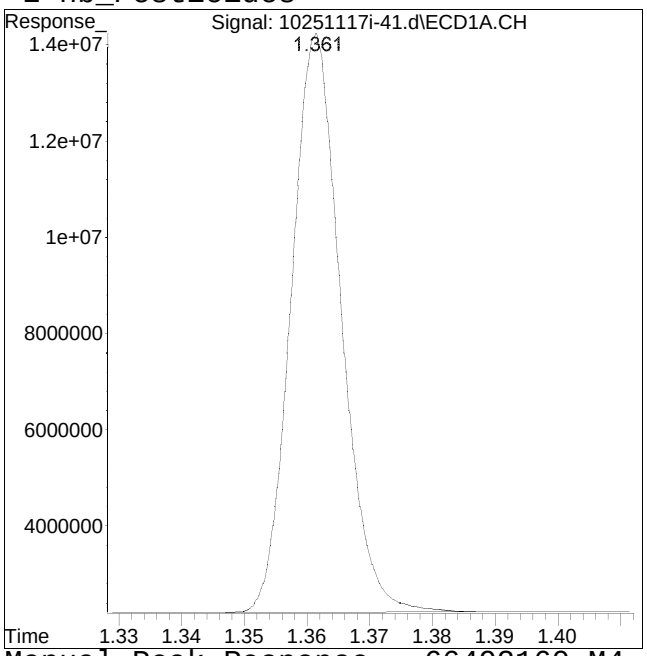
Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-41.d
Date Inj'd : 11/19/2025 15:10
Sample : il10pest,42e,,pp 12310 L0

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 9:03 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 66940013



Manual Peak Response = 66492160 M4

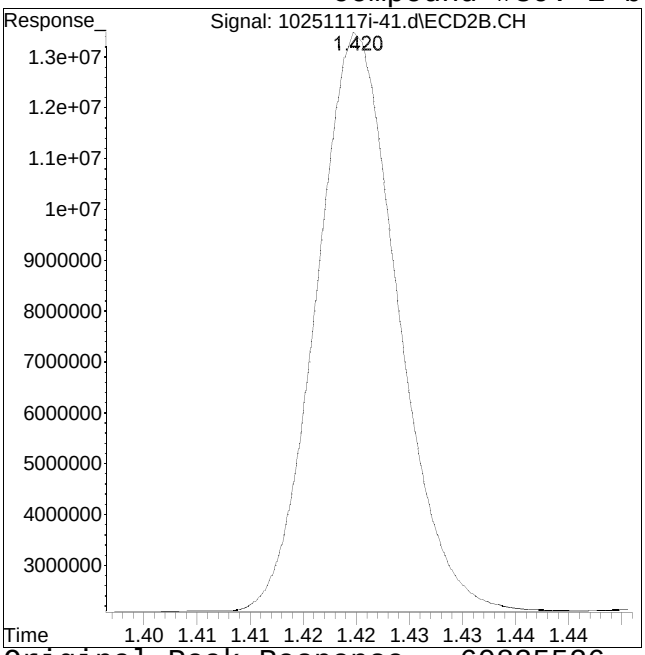
M4 = Poor automated baseline construction.

Manual Integration Report

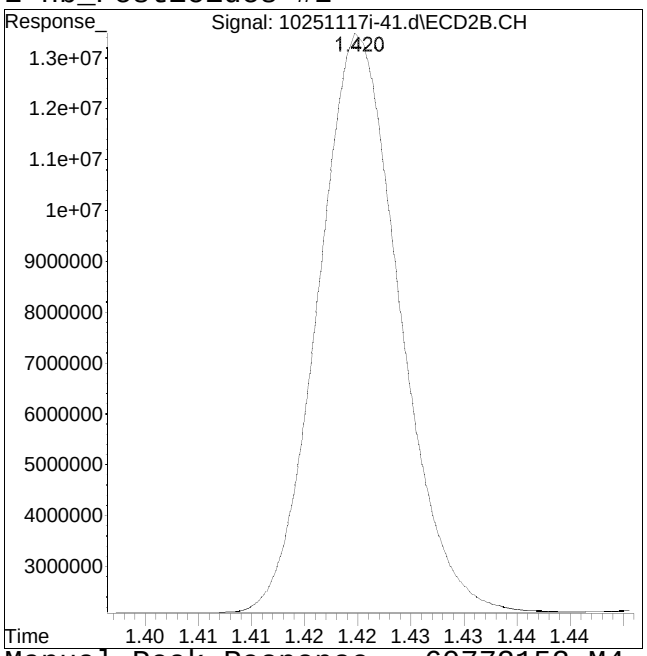
Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-41.d
Date Inj'd : 11/19/2025 15:10
Sample : il10pest,42e,,pp 12310 L0

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 9:03 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 60835526



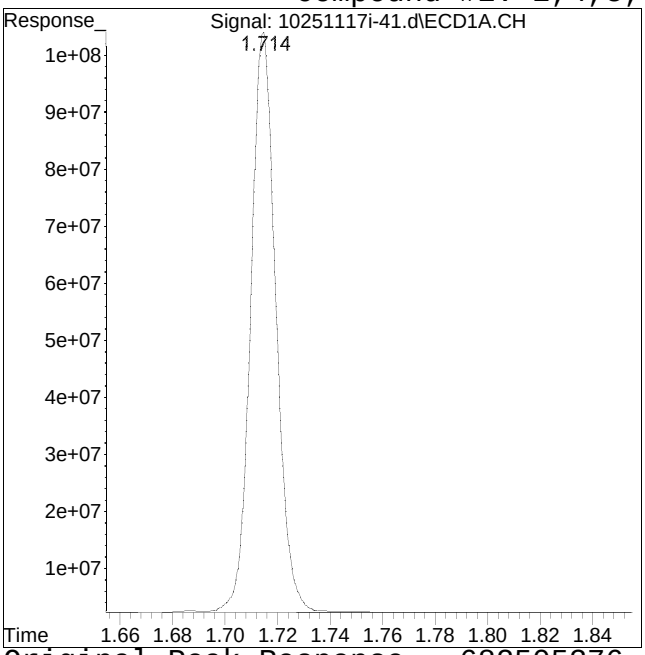
Manual Peak Response = 60772152 M4

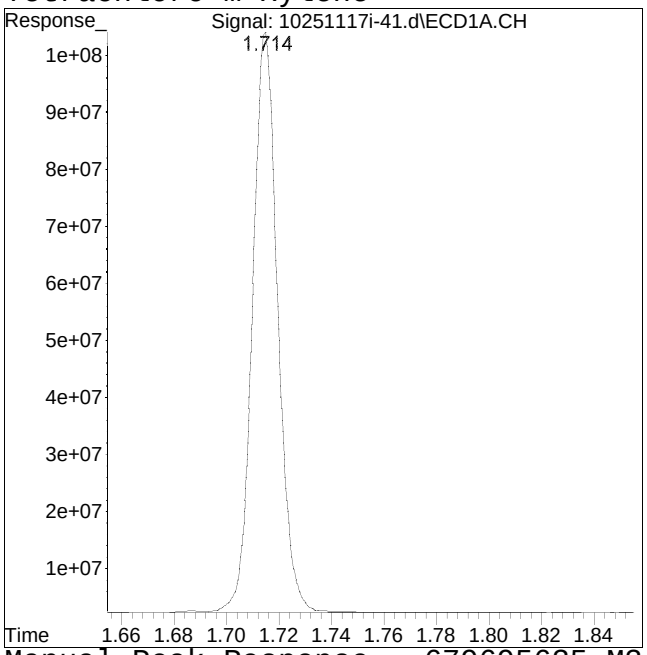
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-41.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:10 Instrument : Pest 10
Sample : il10pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:03 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



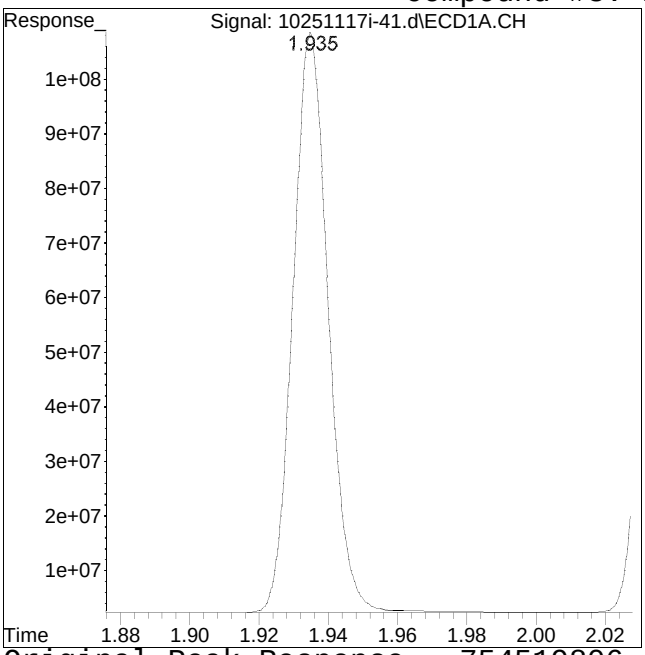


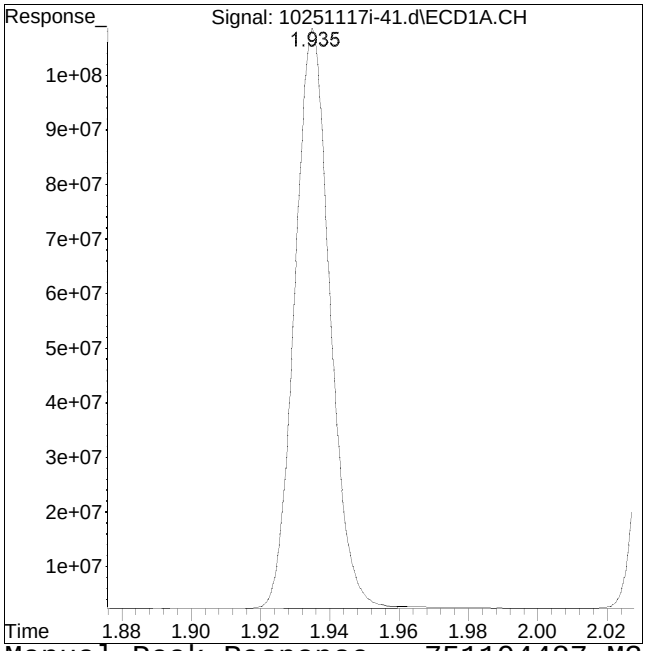
Original Peak Response = 682505376 Manual Peak Response = 679695635 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-41.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:10 Instrument : Pest 10
Sample : il10pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:03 am

Compound #3: Hexachlorobenzene



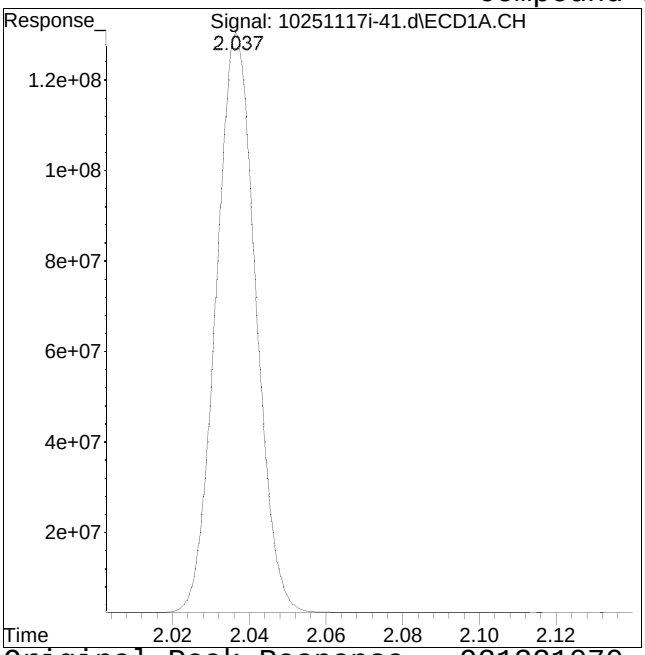


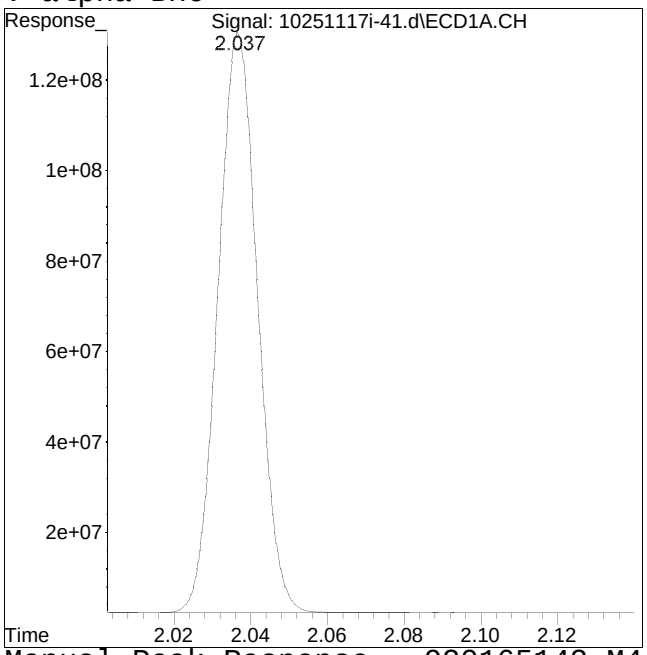
Original Peak Response = 754519806 Manual Peak Response = 751104487 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-41.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:10 Instrument : Pest 10
Sample : il10pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:03 am

Compound #4: alpha-BHC



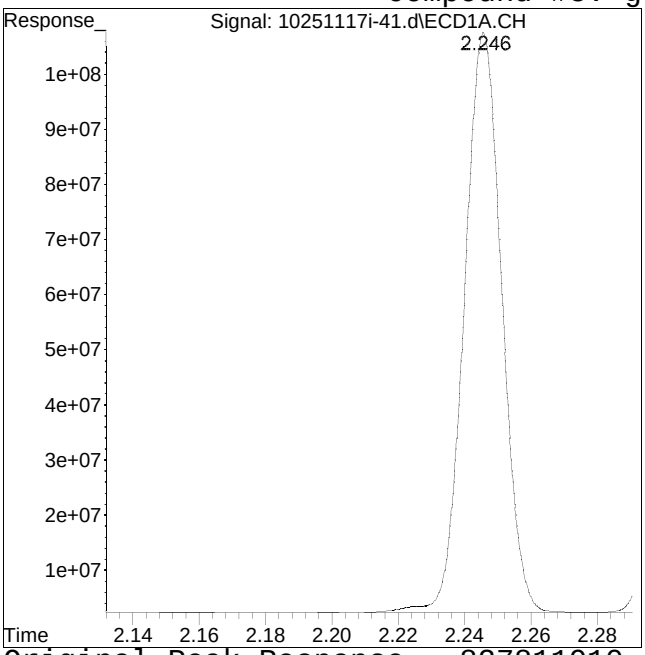


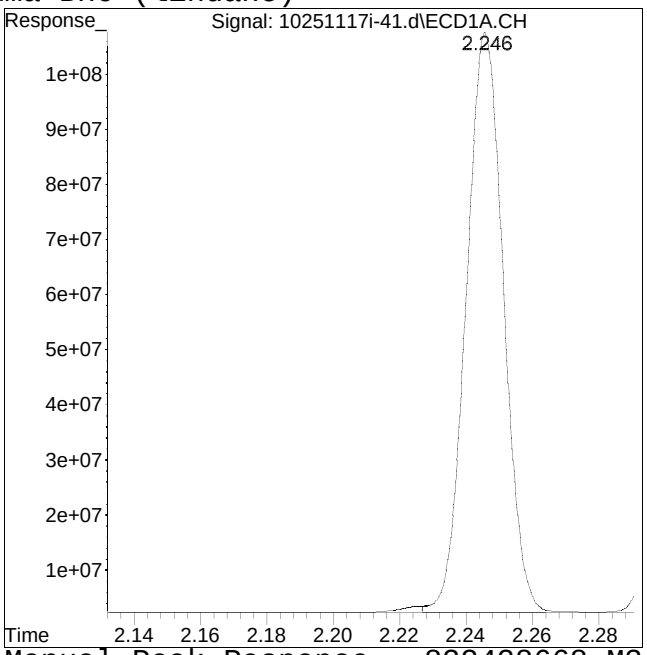
Original Peak Response = 921321070 Manual Peak Response = 920165142 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-41.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:10 Instrument : Pest 10
Sample : il10pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:03 am

Compound #5: gamma-BHC (lindane)



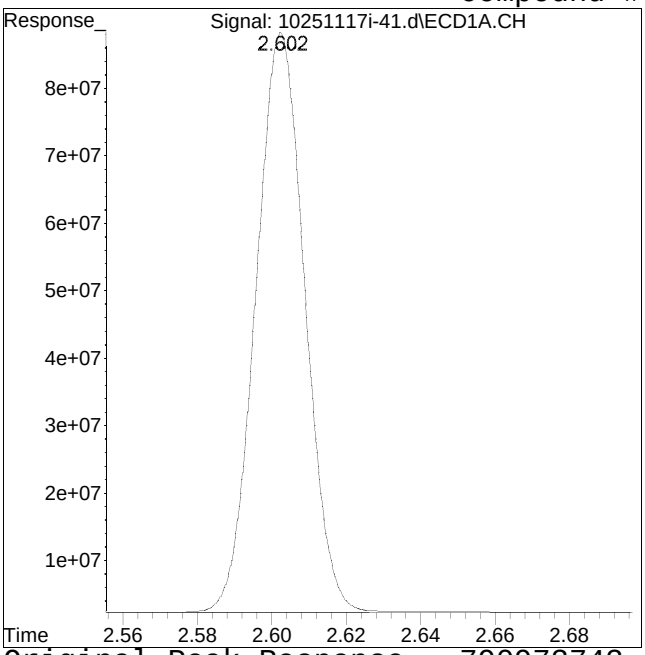


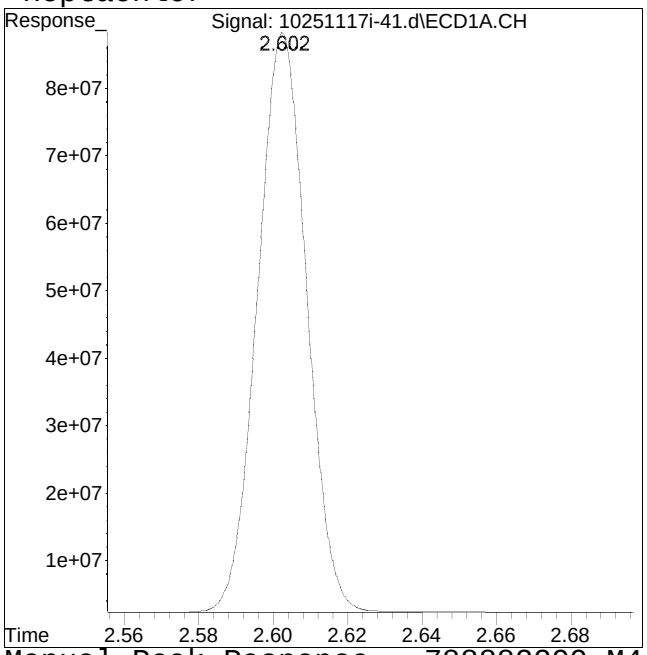
Original Peak Response = 827811910 Manual Peak Response = 822428668 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-41.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:10 Instrument : Pest 10
Sample : il10pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:03 am

Compound #8: Heptachlor



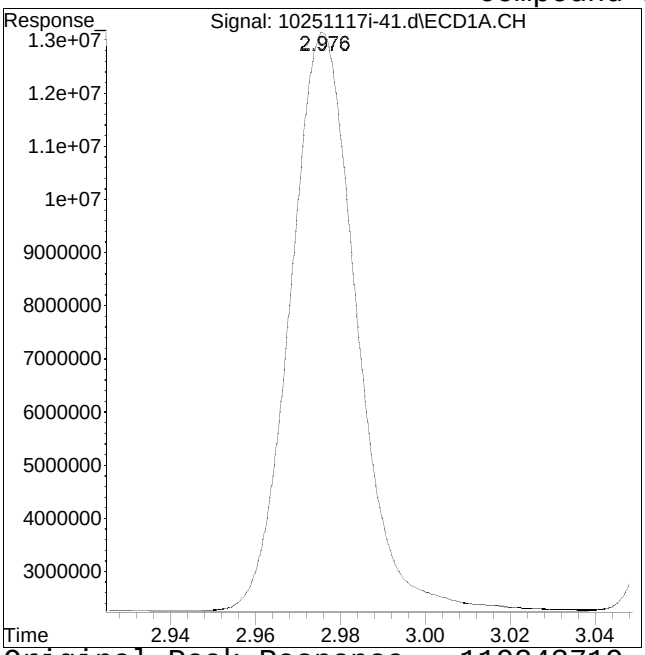


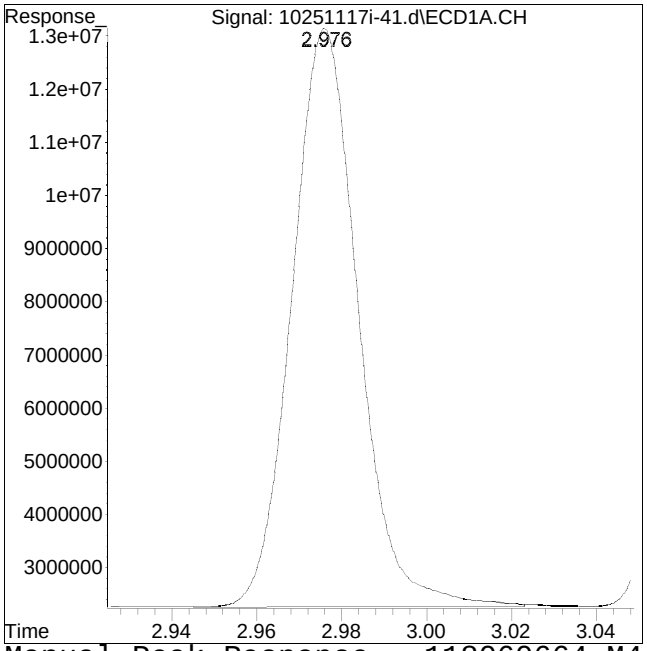
Original Peak Response = 790973743 Manual Peak Response = 788882299 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-41.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:10 Instrument : Pest 10
Sample : il10pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:03 am

Compound #10: Alachlor



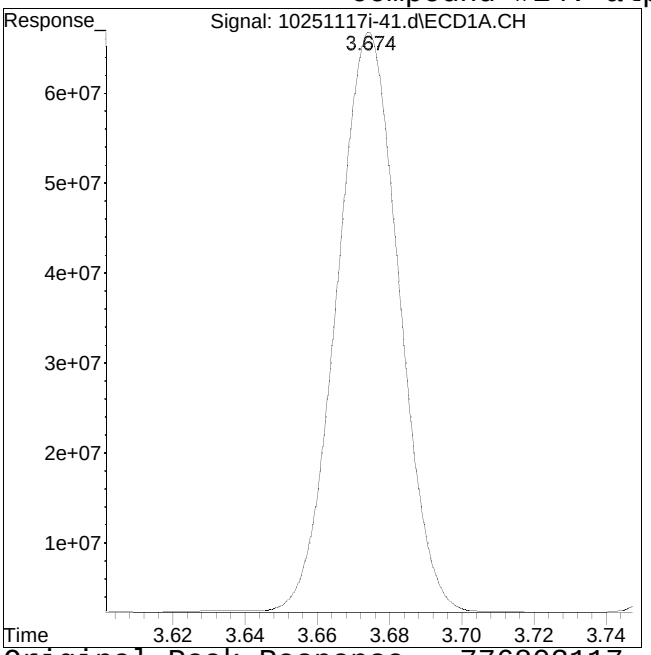


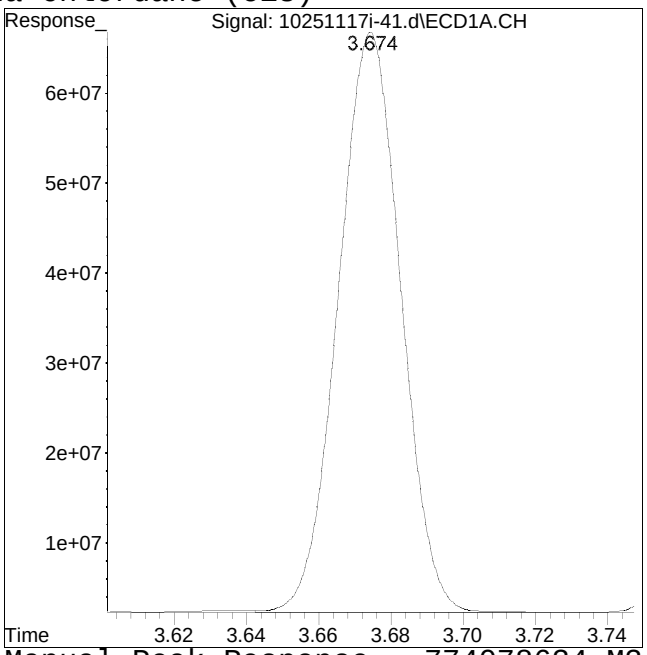
Original Peak Response = 119243719 Manual Peak Response = 118060664 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-41.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:10 Instrument : Pest 10
Sample : il10pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:03 am

Compound #14: alpha-Chlordane (cis)



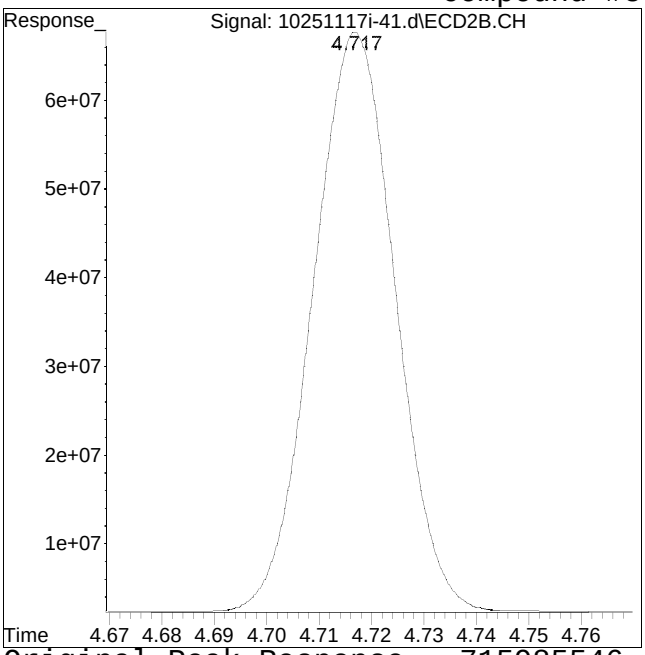


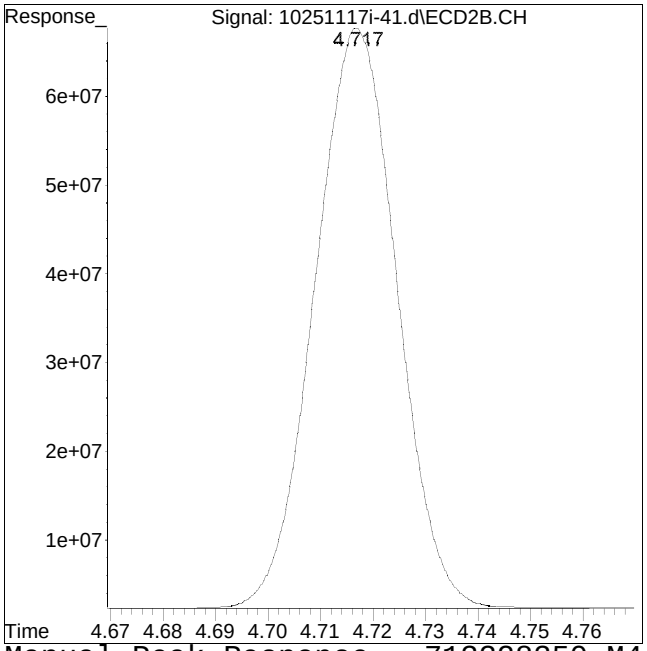
Original Peak Response = 776803117 Manual Peak Response = 774078634 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-41.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:10 Instrument : Pest 10
Sample : il10pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:03 am

Compound #55: Dieldrin #2



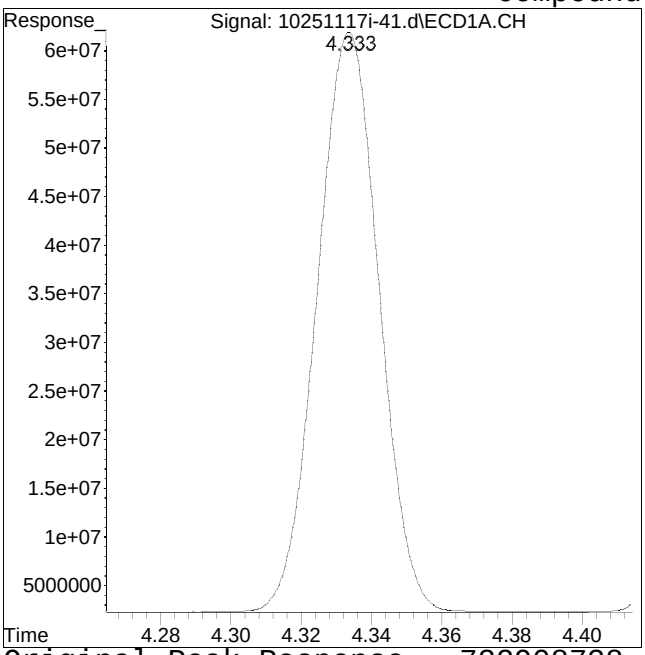


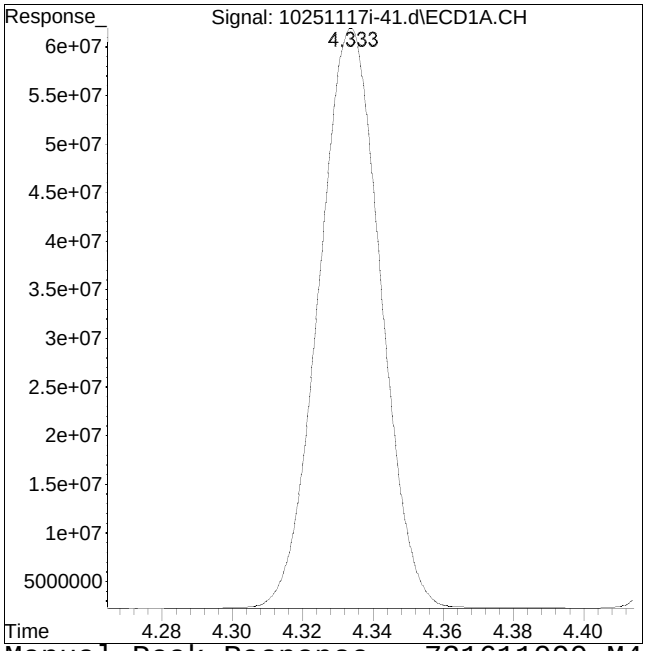
Original Peak Response = 715985546 Manual Peak Response = 713328350 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-41.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:10 Instrument : Pest 10
Sample : il10pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:03 am

Compound #18: Endrin



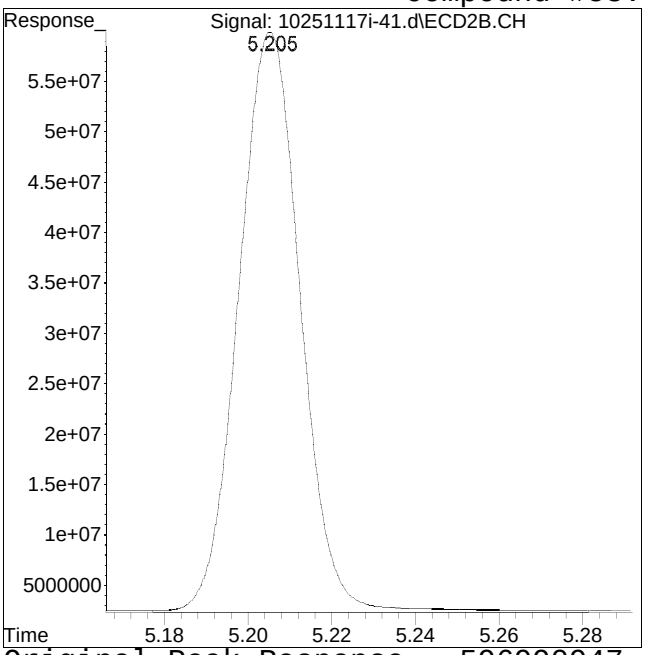


Original Peak Response = 732908738 Manual Peak Response = 731611090 M4
M4 = Poor automated baseline construction.

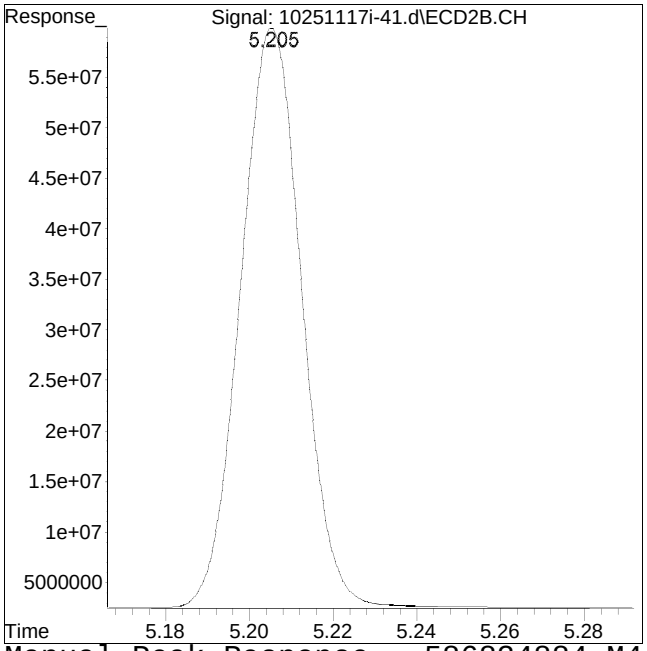
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-41.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:10 Instrument : Pest 10
Sample : il10pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:03 am

Compound #58: Endosulfan II #2



Original Peak Response = 596990947



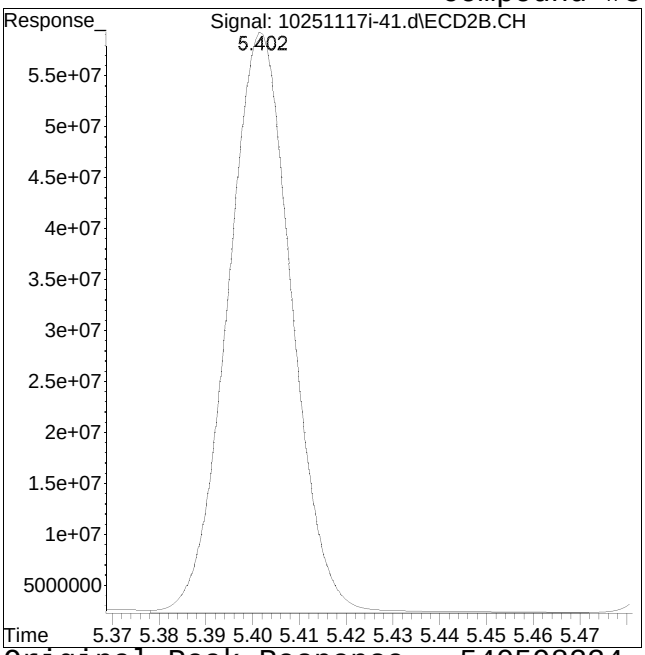
Manual Peak Response = 586834884 M4

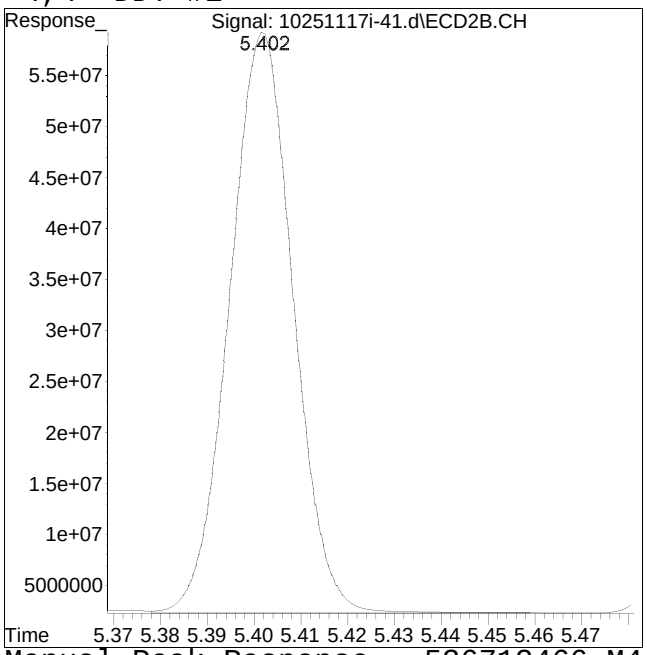
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-41.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:10 Instrument : Pest 10
Sample : il10pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:03 am

Compound #59: 4,4'-DDT #2



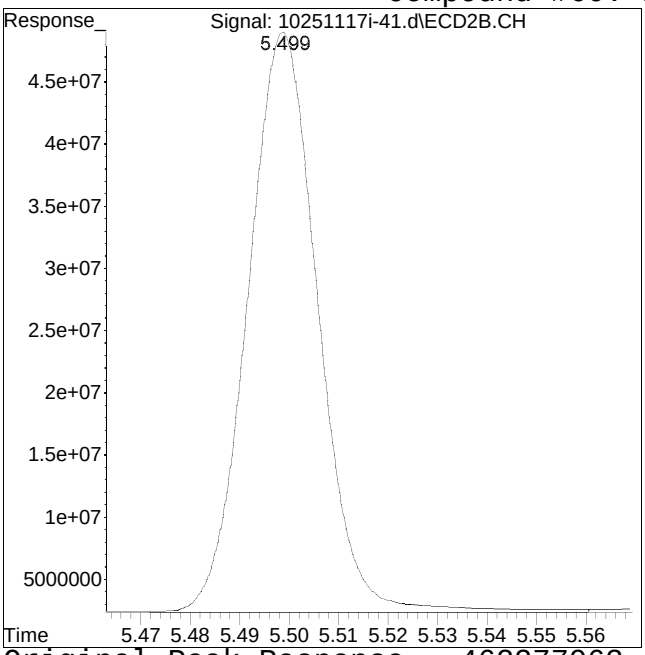


Original Peak Response = 540598334 Manual Peak Response = 536712466 M4
M4 = Poor automated baseline construction.

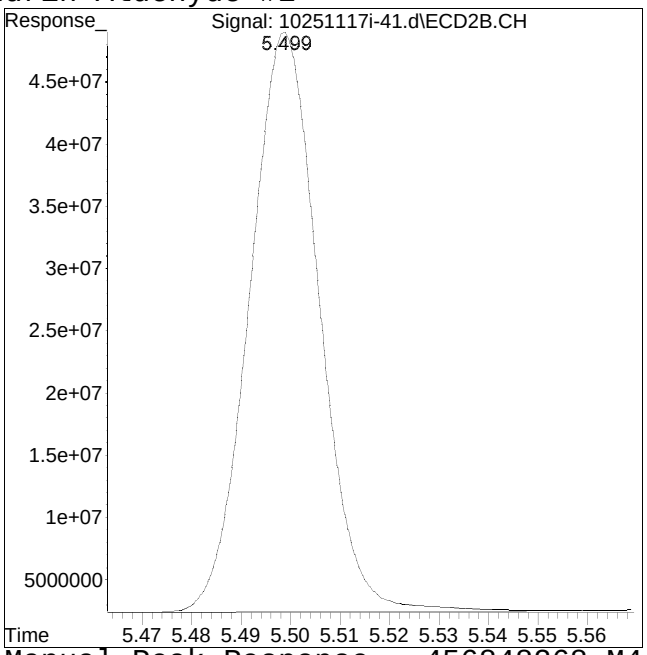
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-41.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:10 Instrument : Pest 10
Sample : il10pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:03 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 462277963



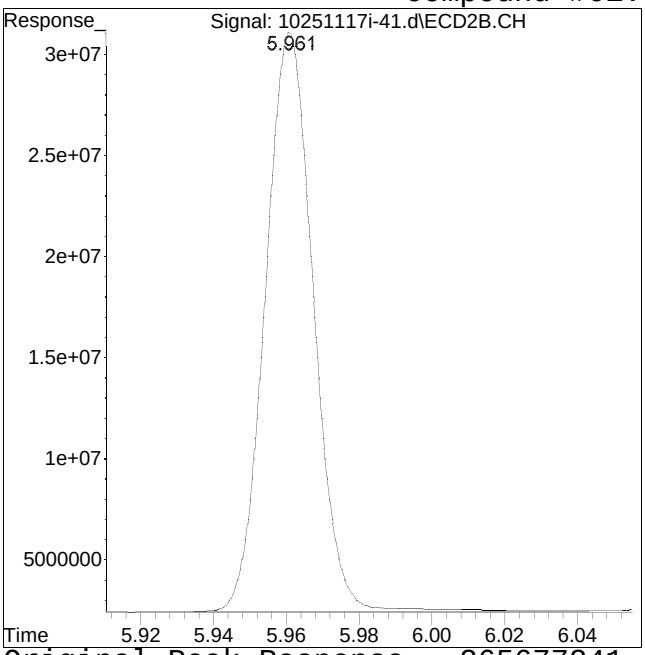
Manual Peak Response = 456848268 M4

M4 = Poor automated baseline construction.

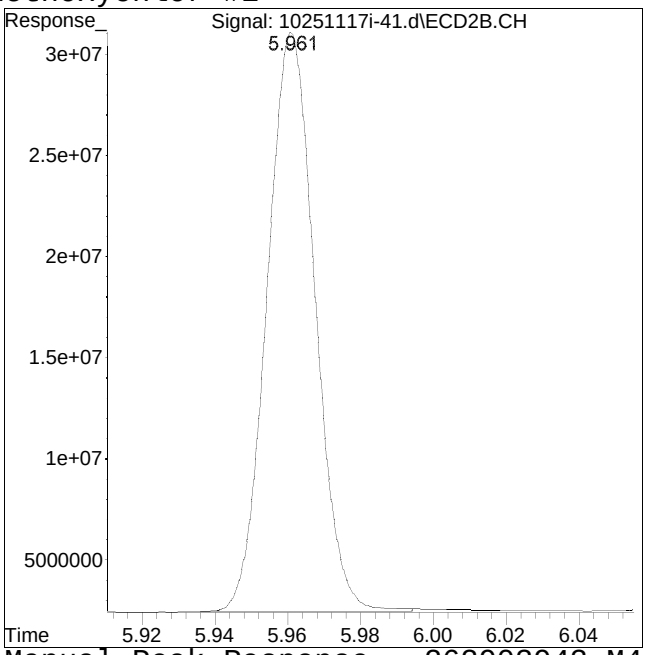
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-41.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:10 Instrument : Pest 10
Sample : il10pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:03 am

Compound #61: Methoxychlor #2



Original Peak Response = 265677241



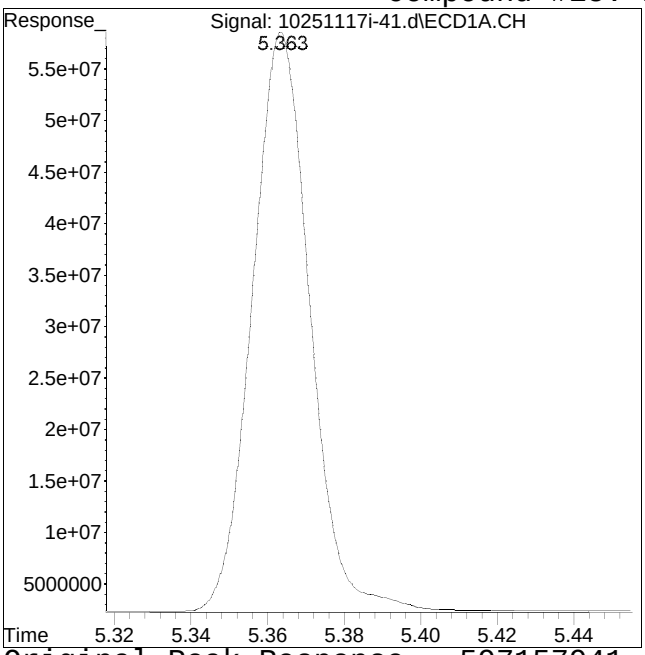
Manual Peak Response = 262903943 M4

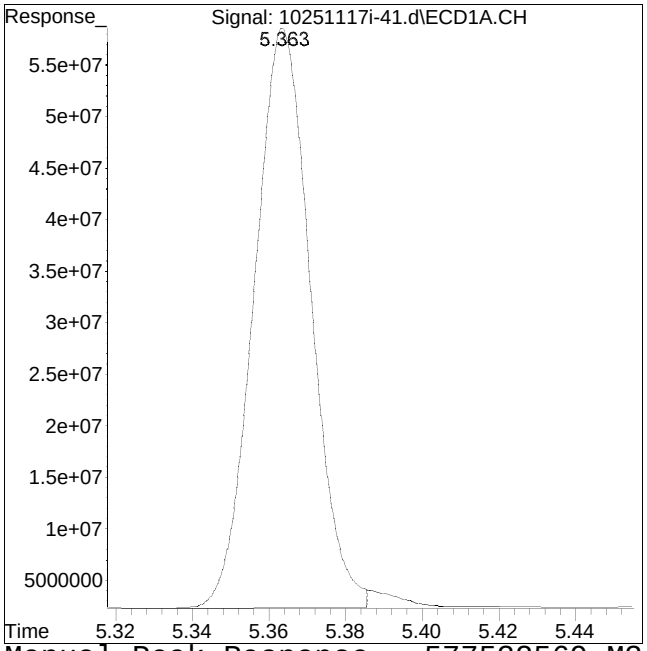
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-41.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:10 Instrument : Pest 10
Sample : il10pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:03 am

Compound #25: Endosulfan Sulfate



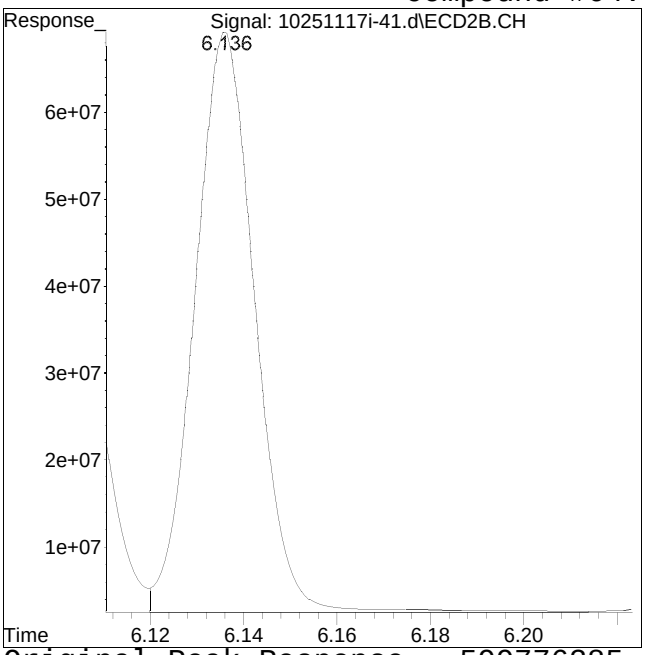


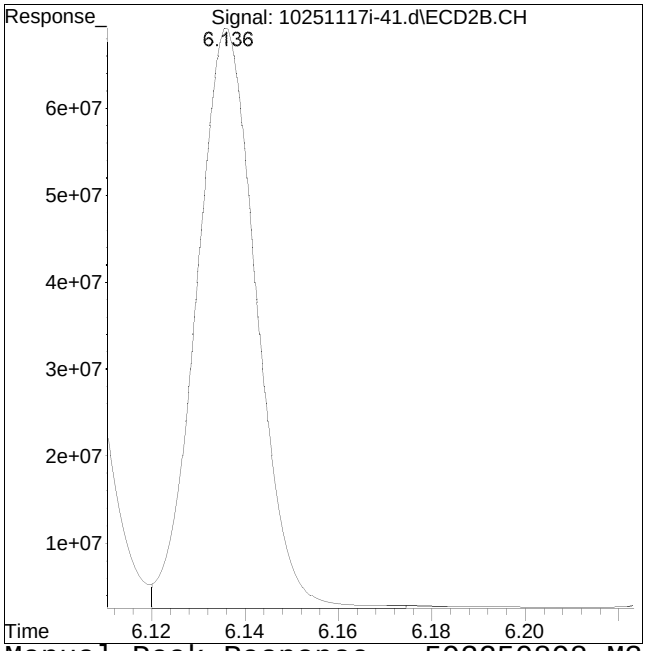
Original Peak Response = 597157941 Manual Peak Response = 577532569 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-41.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:10 Instrument : Pest 10
Sample : il10pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:03 am

Compound #64: Endrin Ketone #2



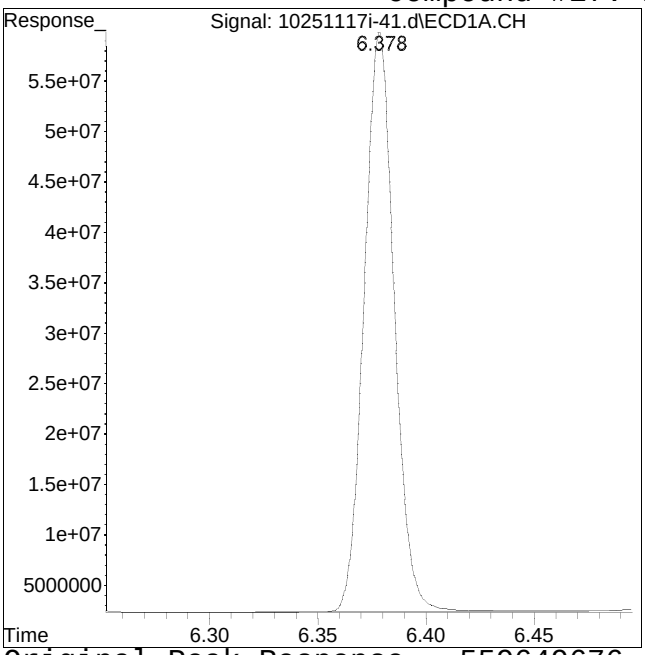


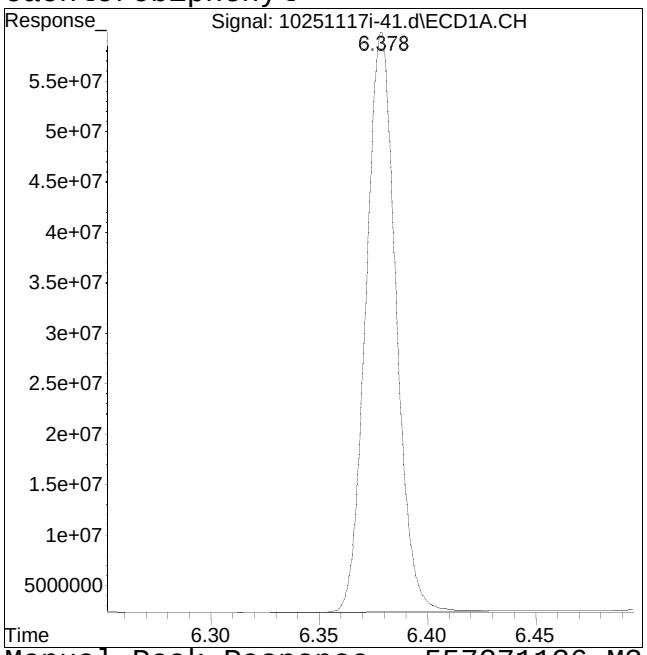
Original Peak Response = 599776385 Manual Peak Response = 593250898 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-41.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:10 Instrument : Pest 10
Sample : il10pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:03 am

Compound #27: Decachlorobiphenyl





Original Peak Response = 559649676 Manual Peak Response = 557271136 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-42.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 15:22
Operator : PEST10:akm
Sample : il11pest,42e,,pp 12310 L0.4
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:08:53 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:08:45 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.362	1.421	66061089	61146486	25.000M3	25.000
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	1.715	1.908	1338.8E6	1228.2E6	383.495M3	401.883
		Spiked Amount	50.000	Range	30 - 150	Recovery	= 766.99%#	803.77%#
27)	s	Decachlorobi	6.379	6.993	1101.5E6	973.0E6	378.709M4	390.871
		Spiked Amount	50.000	Range	30 - 150	Recovery	= 757.42%#	781.74%#
		Target Compounds						
3)	t	Hexachlorobe	1.935	2.236	1489.9E6	1300.6E6	384.883M3	401.610
4)	t	alpha-BHC	2.037	2.334	1854.5E6	1907.4E6	400.834	425.842
5)	t	gamma-BHC (l	2.246	2.625	1656.1E6	1677.2E6	399.605M3	424.452
6)	t	beta-BHC	2.303	2.690	716.9E6	706.4E6	393.158	409.388
7)	t	delta-BHC	2.436	2.963	1689.5E6	1736.1E6	407.741	434.377
8)	t	Heptachlor	2.603	3.031	1558.0E6	1523.3E6	385.677M4	416.410
9)	t	Aldrin	2.853	3.357	1633.1E6	1626.8E6	395.744	423.541
10)	t	Alachlor	2.976	3.235	223.8E6	199.7E6	350.058	370.909
11)	t	Chlorpyrifos	3.069	3.595	589.9E6	607.7E6	360.044	382.423
12)	t	Heptachlor E	3.411	3.983	1371.1E6	1373.5E6	386.997M4	415.844
13)	t	gamma-Chlord	3.538	4.205	1611.1E6	1561.4E6	402.864	427.789
14)	t	alpha-Chlord	3.675	4.371	1568.7E6	1516.0E6	399.061M4	422.562
15)	t	4,4'-DDE	3.772	4.562	1654.2E6	1599.7E6	403.651	430.234M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-42.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 15:22
Operator : PEST10:akm
Sample : il11pest,42e,,pp 12310 L0.4
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:08:53 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:08:45 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
16)	t	Endosulfan I	3.816	4.431	1410.7E6	1368.3E6	391.967	416.709
17)	t	Dieldrin	4.081	4.717	1541.2E6	1496.5E6	397.066	424.342M4
18)	t	Endrin	4.334	5.011	1464.5E6	1409.0E6	392.572	423.377
19)	t	4,4'-DDD	4.437	5.127	1248.9E6	1179.2E6	400.454	433.775M4
20)	t	Endosulfan I	4.569	5.206	1306.0E6	1233.2E6	390.240	420.392M4
21)	t	4,4'-DDT	4.723	5.402	1276.7E6	1147.0E6	401.114	432.333M4
22)	t	Endrin Aldeh	4.978	5.499	1002.1E6	943.5E6	387.029	412.455M4
23)	t	Methoxychlor	5.199	5.961	618.4E6	546.7E6	374.674	403.718M4
24)	t	Mirex	5.262	6.103	1024.5E6	874.1E6	384.265	395.309M4
25)	t	Endosulfan S	5.364	5.725	1159.9E6	1109.0E6	390.070M3	419.500M4
26)	t	Endrin Keton	5.589	6.136	1325.0E6	1245.5E6	381.810M4	415.567M3
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	chlordane-1			0	0	N.D.	N.D.
Average		chlordane-1					0.000	0.000
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37)	l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	toxaphene-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-42.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 15:22
Operator : PEST10:akm
Sample : il11pest,42e,,pp 12310 L0.4
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:08:53 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:08:45 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000

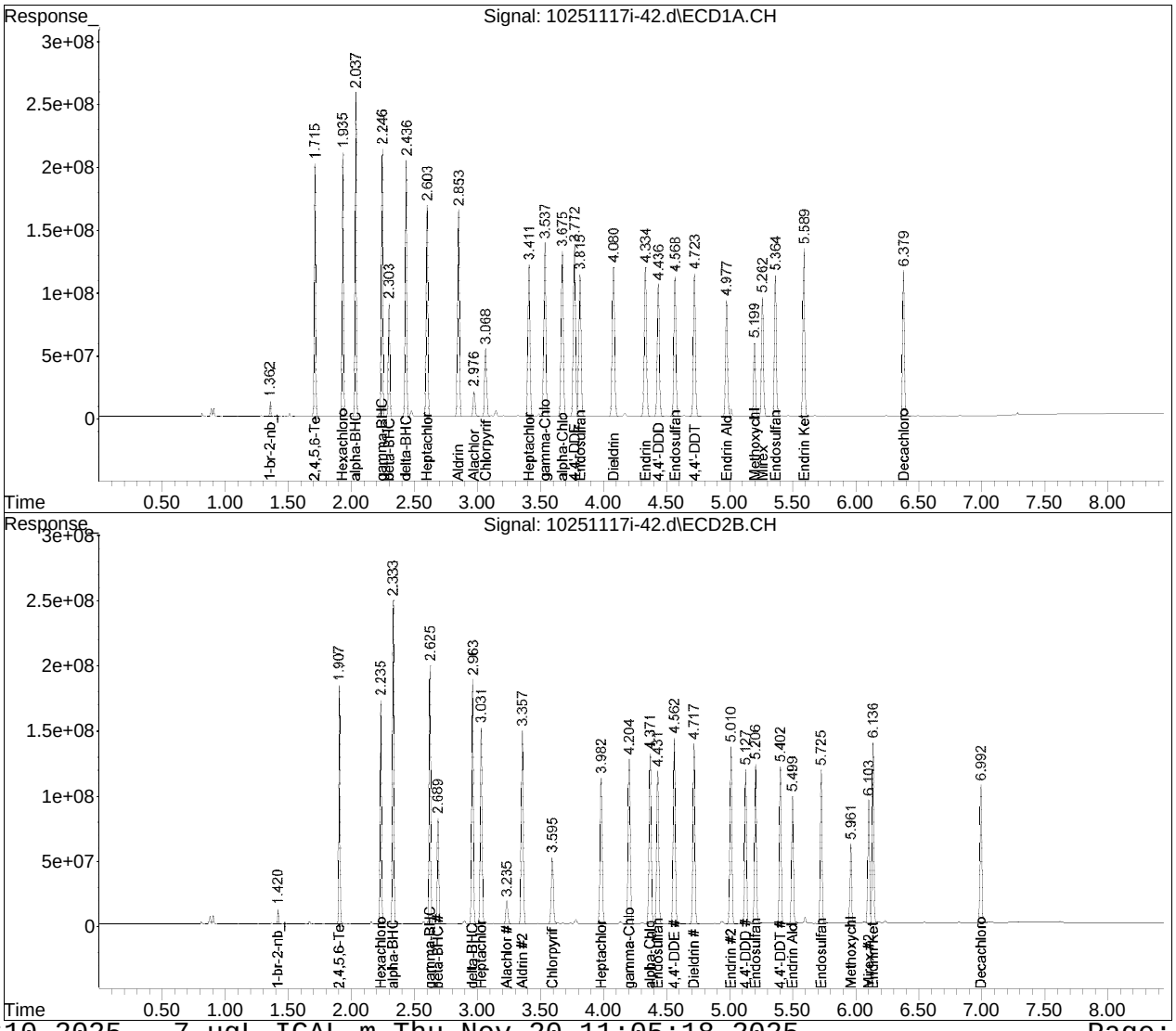
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-42.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 15:22
Operator : PEST10:akm
Sample : il11pest,42e,,pp 12310 L0.4
Misc : WG2144356, (Sig #1); ,,ical (Sig #2)
ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 09:08:53 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 09:08:45 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

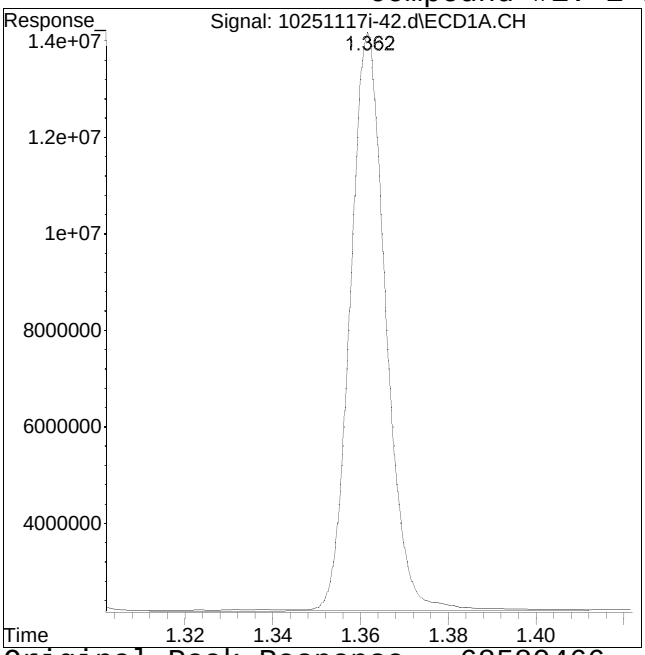
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

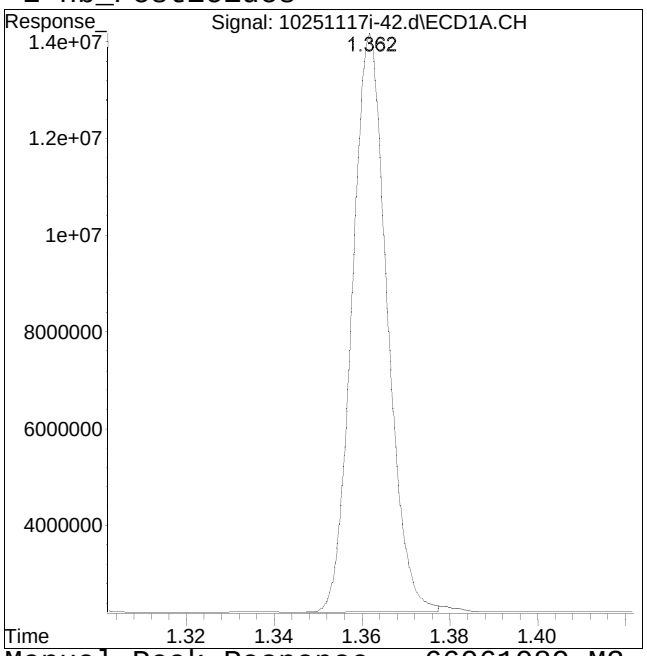


Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-42.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:22 Instrument : Pest 10
Sample : il11pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:08 am

Compound #1: 1-br-2-nb_Pesticides



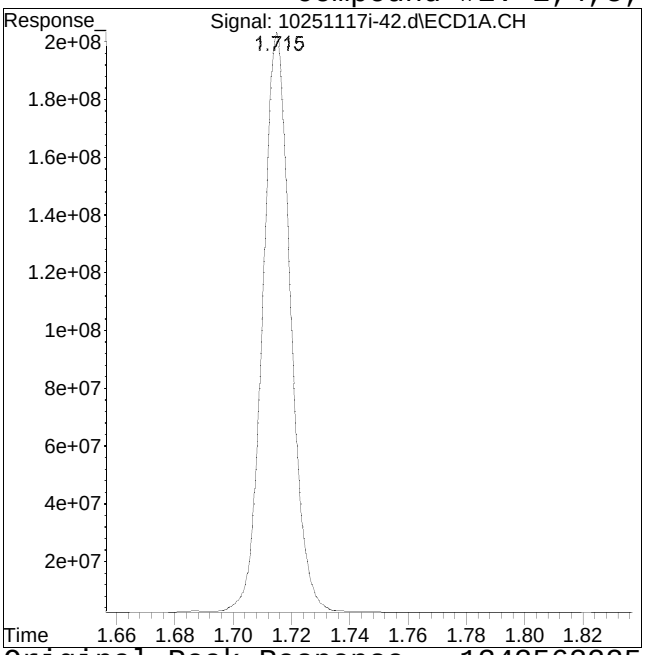


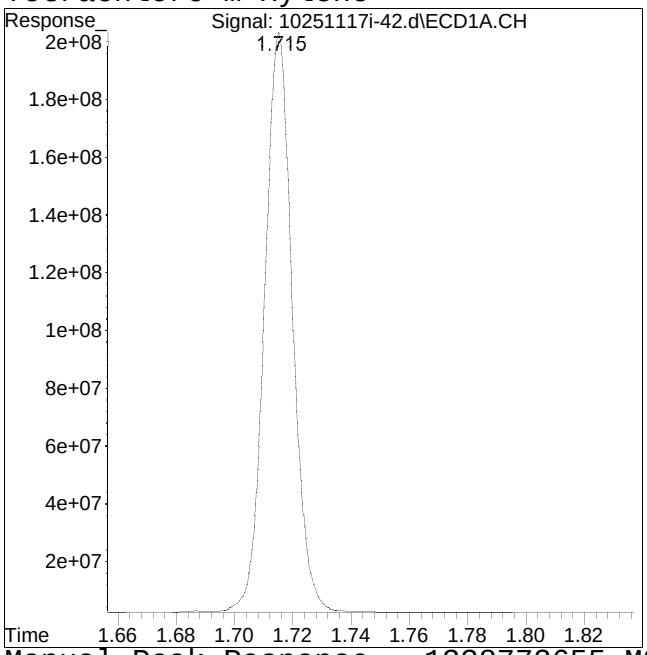
Original Peak Response = 68580466 Manual Peak Response = 66061089 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-42.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:22 Instrument : Pest 10
Sample : il11pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:08 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



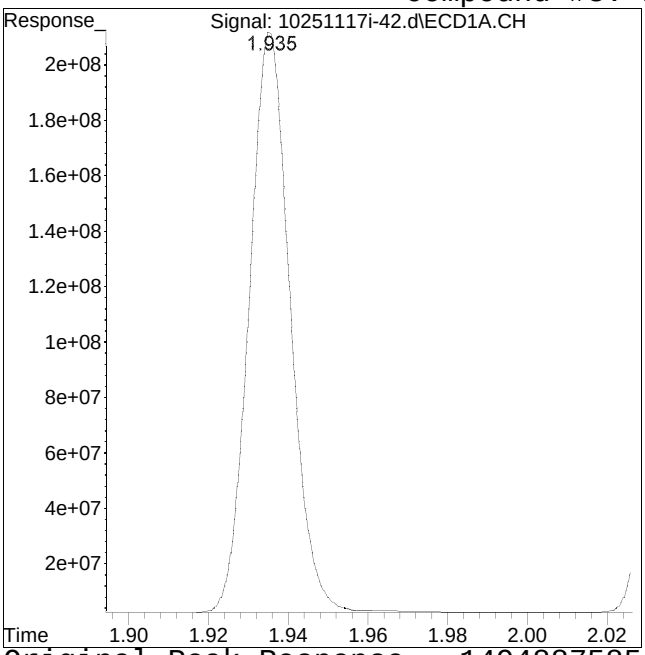


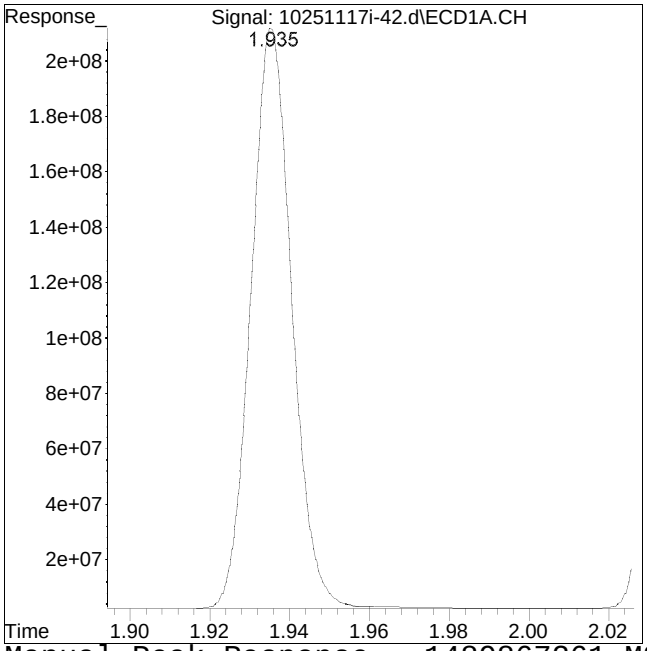
Original Peak Response = 1343563225 Manual Peak Response = 1338773655 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-42.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:22 Instrument : Pest 10
Sample : il11pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:08 am

Compound #3: Hexachlorobenzene



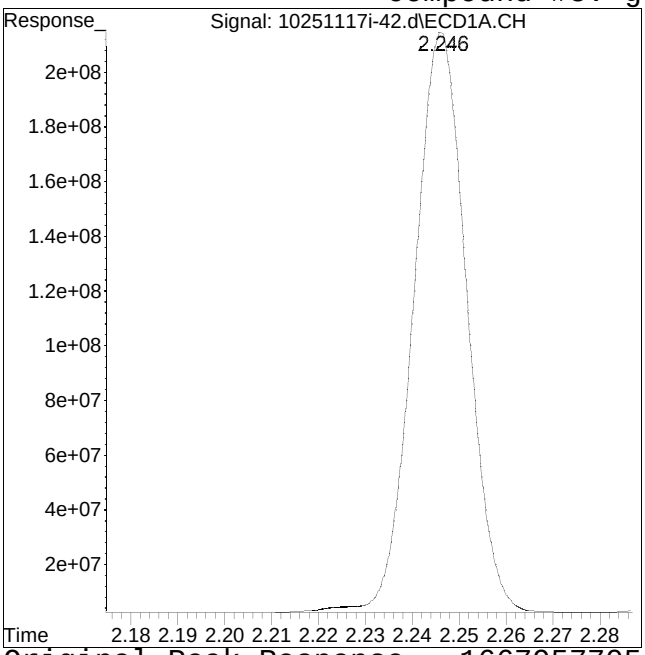


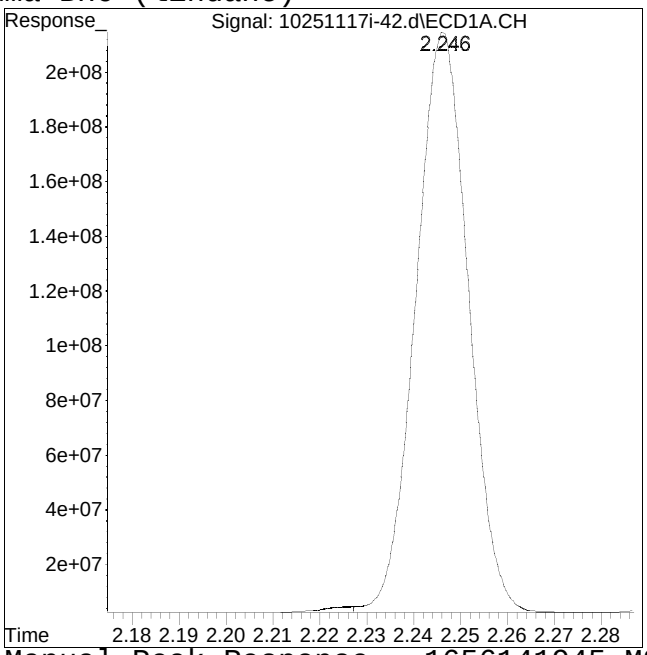
Original Peak Response = 1494887585 Manual Peak Response = 1489867261 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-42.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:22 Instrument : Pest 10
Sample : il11pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:08 am

Compound #5: gamma-BHC (lindane)





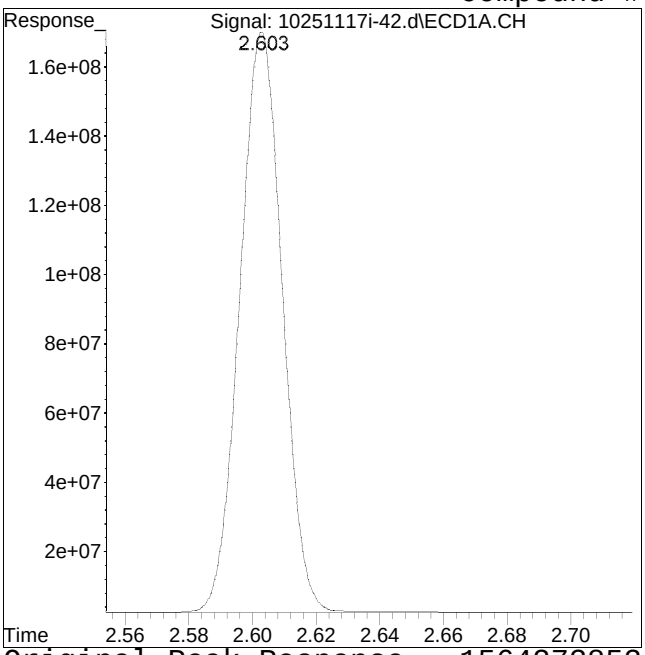
Original Peak Response = 1667957705 Manual Peak Response = 1656141945 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

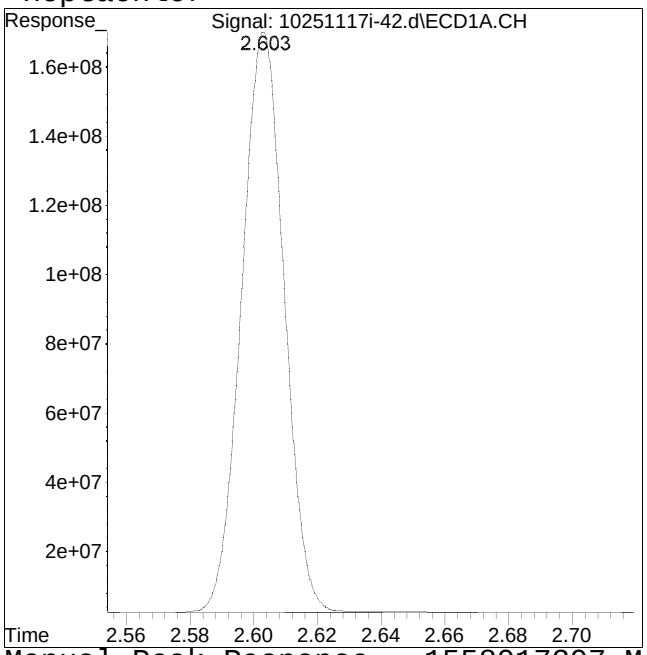
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-42.d
Date Inj'd : 11/19/2025 15:22
Sample : il11pest,42e,,pp 12310 L0

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 9:08 am

Compound #8: Heptachlor



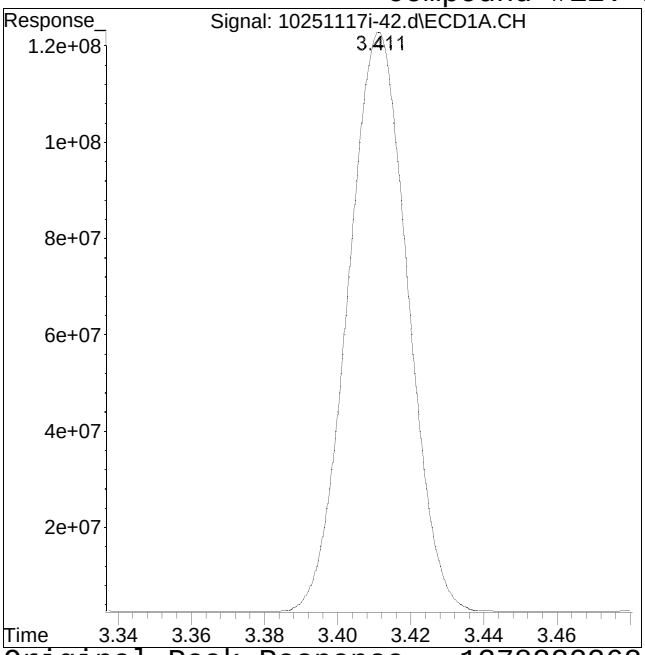


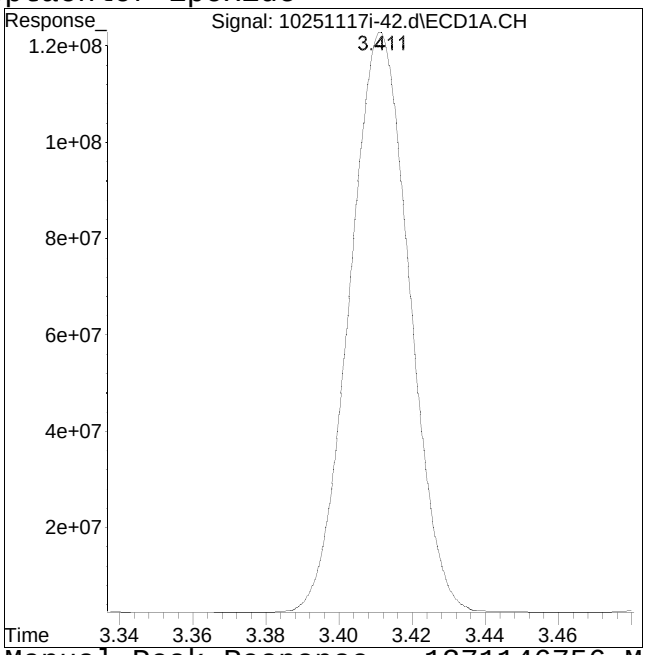
Original Peak Response = 1564273853 Manual Peak Response = 1558017207 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-42.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:22 Instrument : Pest 10
Sample : il11pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:08 am

Compound #12: Heptachlor Epoxide



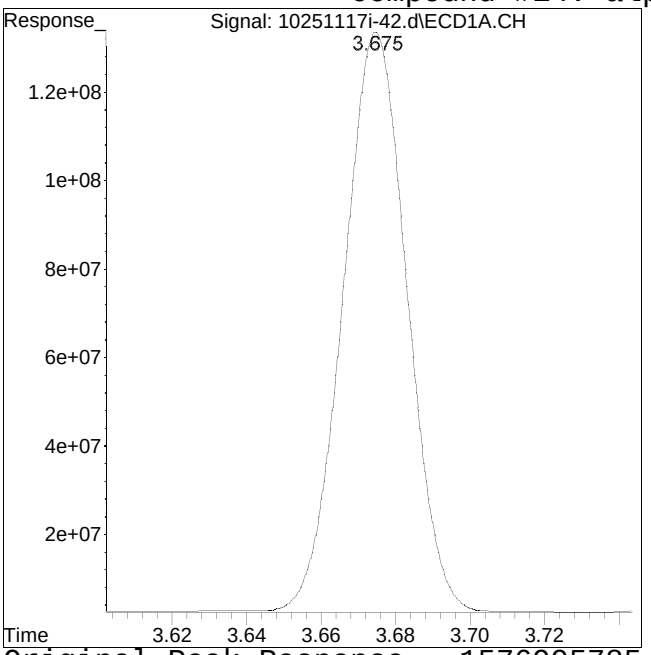


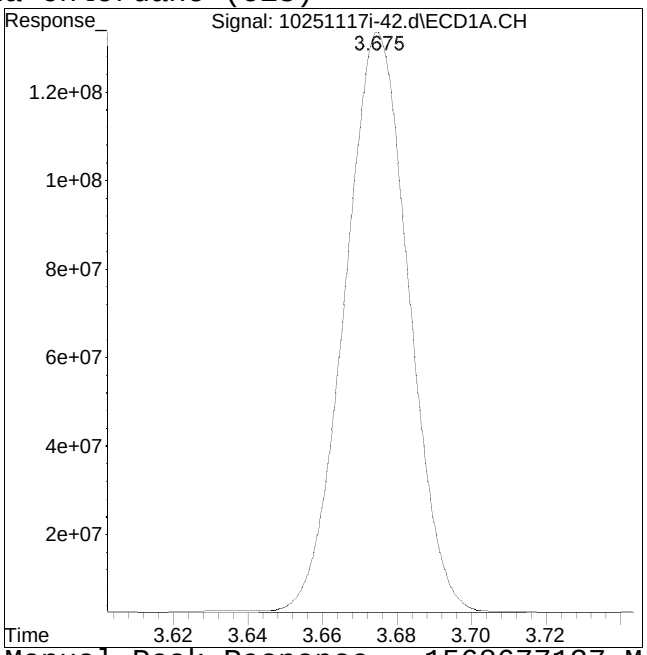
Original Peak Response = 1378222262 Manual Peak Response = 1371146756 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-42.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:22 Instrument : Pest 10
Sample : il11pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:08 am

Compound #14: alpha-Chlordane (cis)



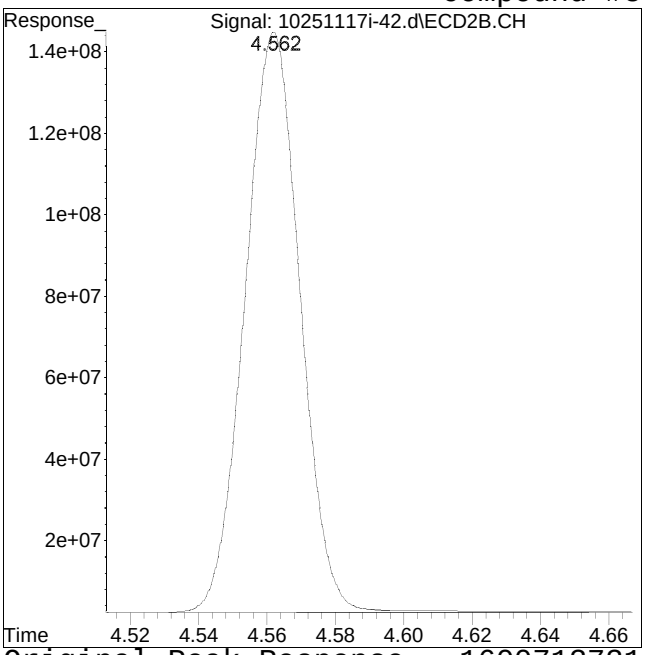


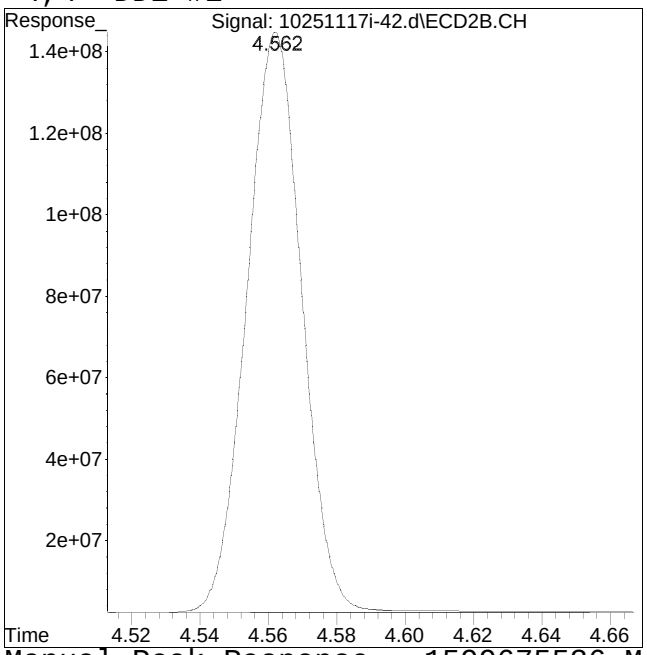
Original Peak Response = 1576995785 Manual Peak Response = 1568677137 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-42.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:22 Instrument : Pest 10
Sample : il11pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:08 am

Compound #53: 4,4'-DDE #2



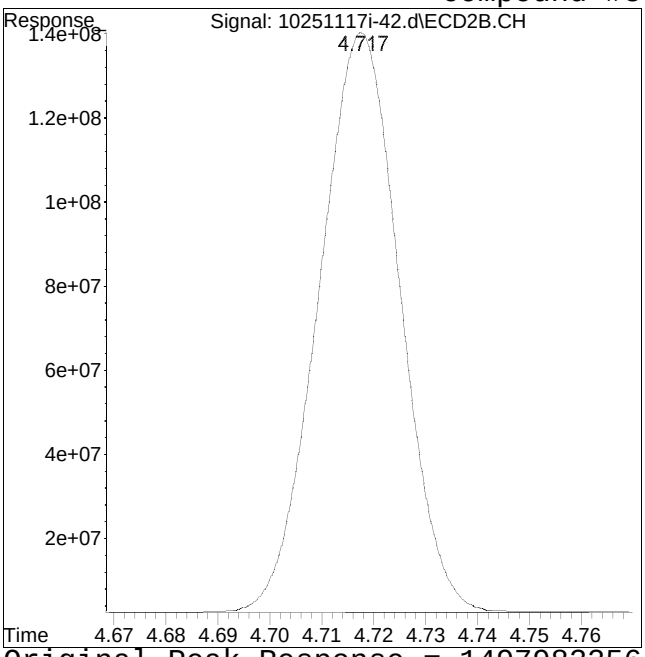


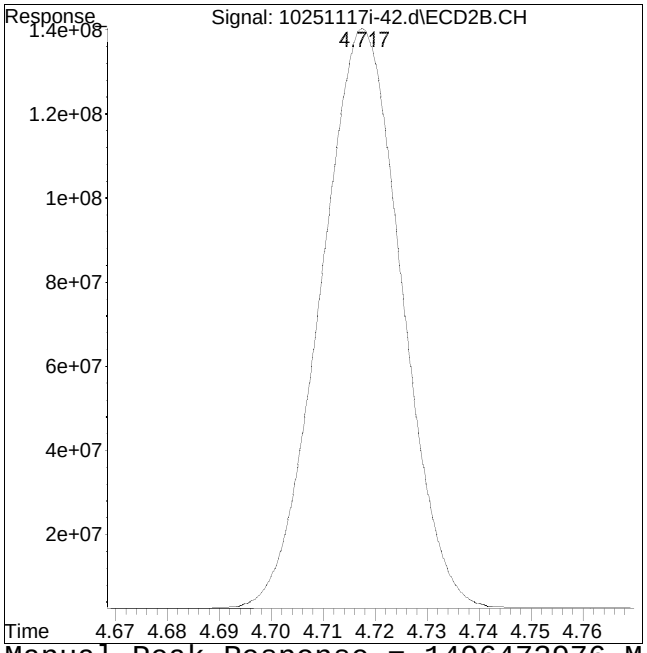
Original Peak Response = 1600713731 Manual Peak Response = 1599675536 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-42.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:22 Instrument : Pest 10
Sample : il11pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:08 am

Compound #55: Dieldrin #2



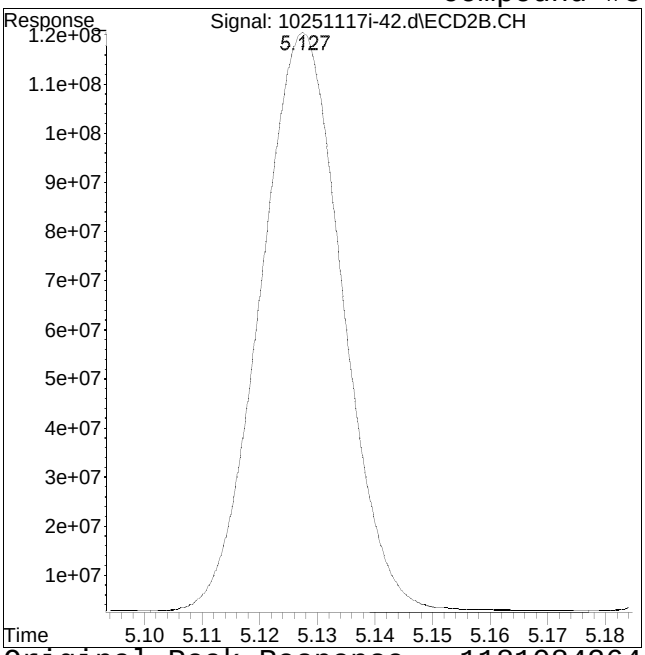


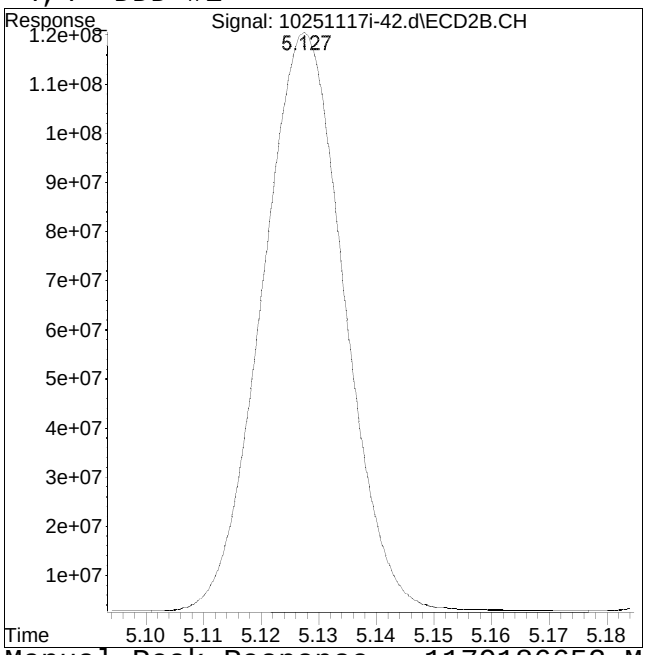
Original Peak Response = 1497983256 Manual Peak Response = 1496473976 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-42.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:22 Instrument : Pest 10
Sample : il11pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:08 am

Compound #57: 4,4'-DDD #2



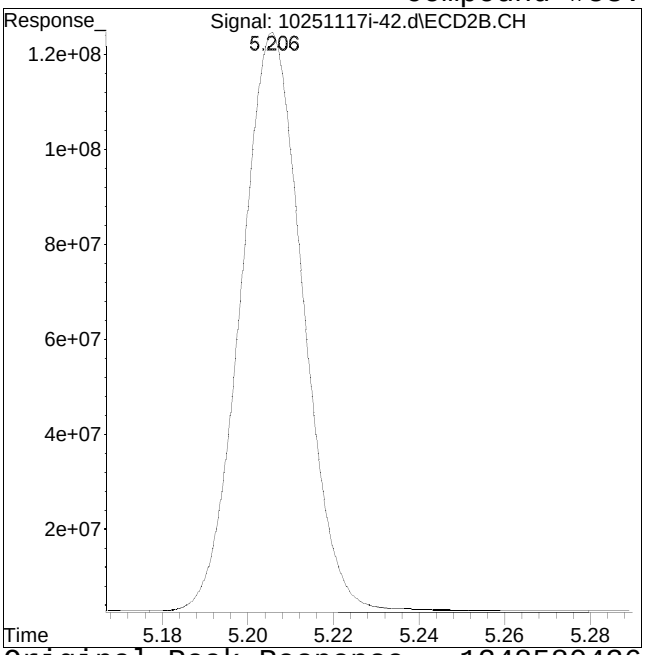


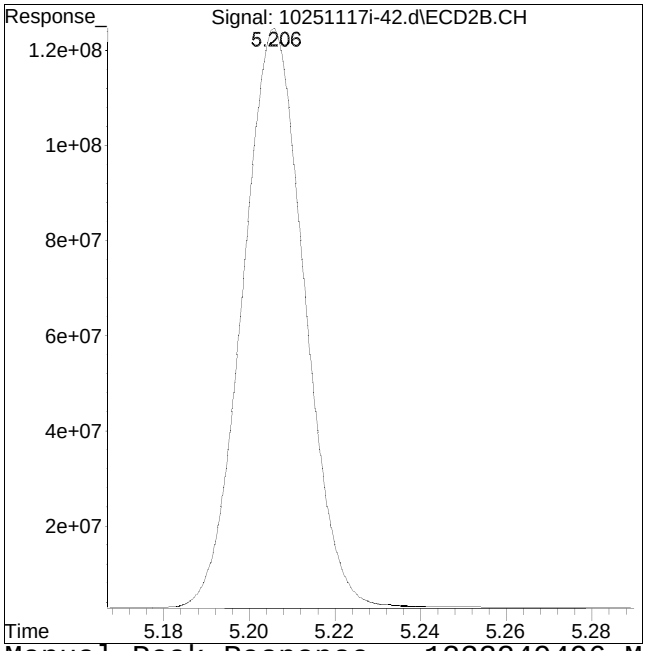
Original Peak Response = 1181084264 Manual Peak Response = 1179186652 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-42.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:22 Instrument : Pest 10
Sample : il11pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:08 am

Compound #58: Endosulfan II #2





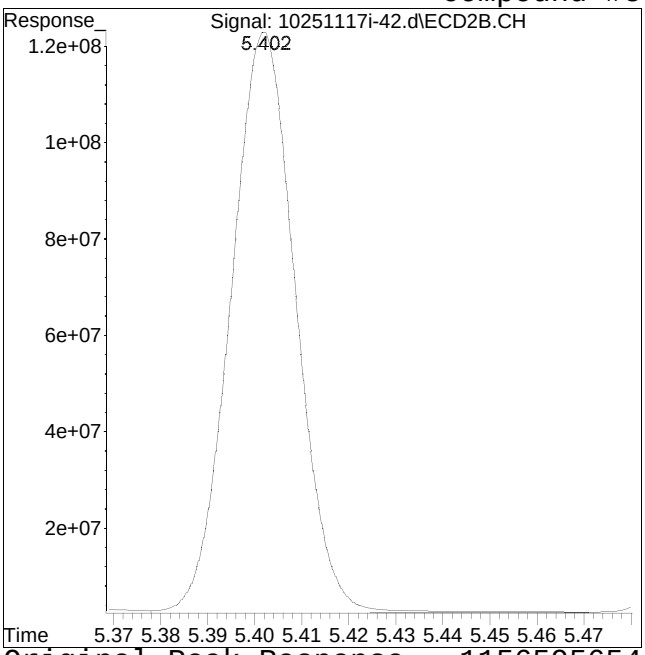
Original Peak Response = 1248580436 Manual Peak Response = 1233249496 M4
M4 = Poor automated baseline construction.

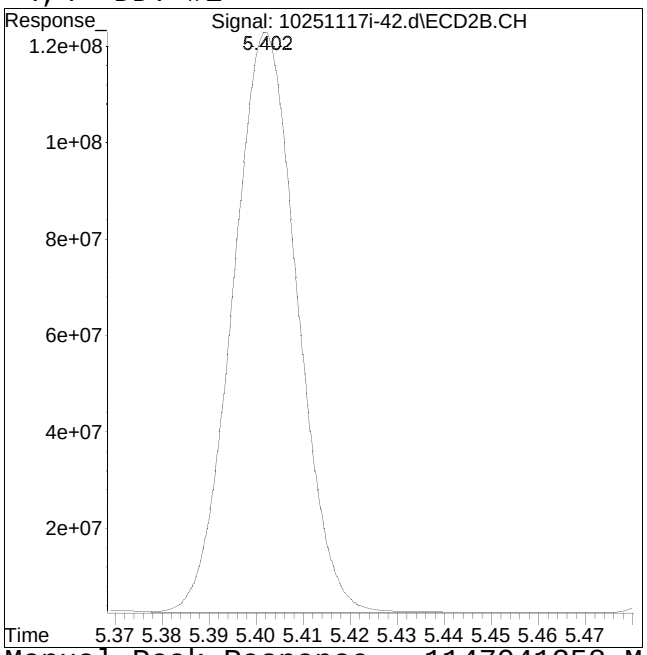
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-42.d
Date Inj'd : 11/19/2025 15:22
Sample : il11pest,42e,,pp 12310 L0

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 9:08 am

Compound #59: 4,4'-DDT #2



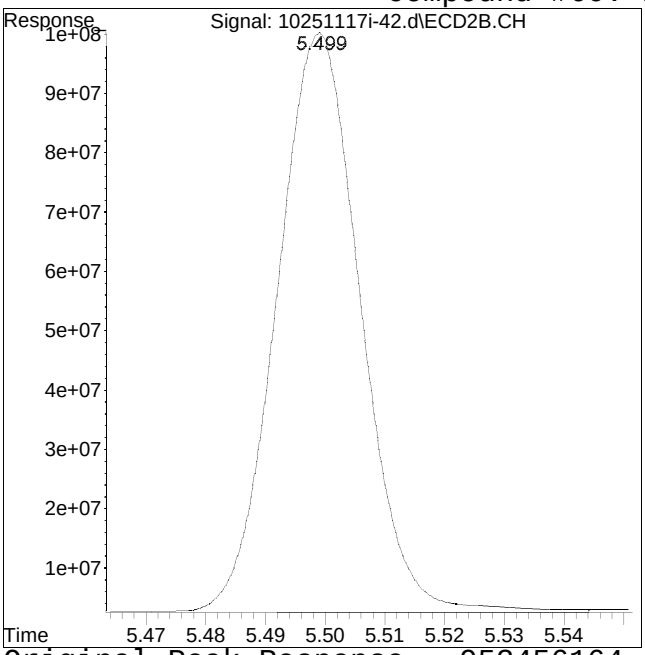


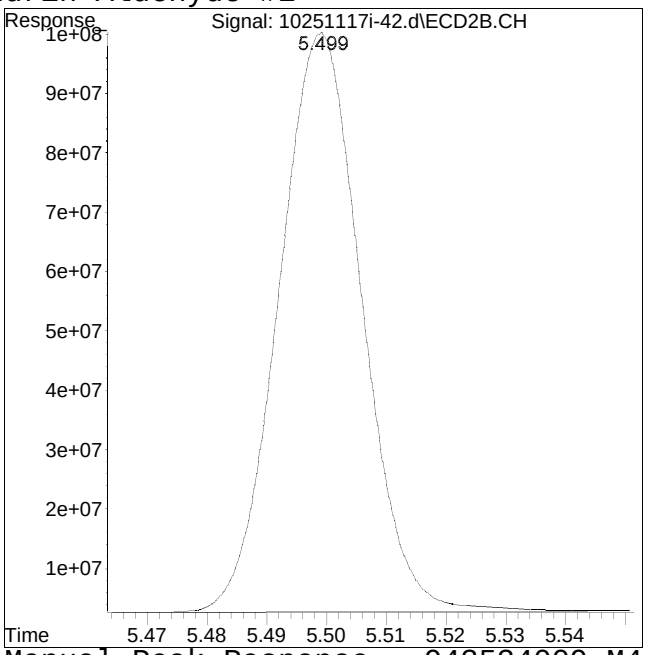
Original Peak Response = 1156595654 Manual Peak Response = 1147041258 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-42.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:22 Instrument : Pest 10
Sample : il11pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:08 am

Compound #60: Endrin Aldehyde #2



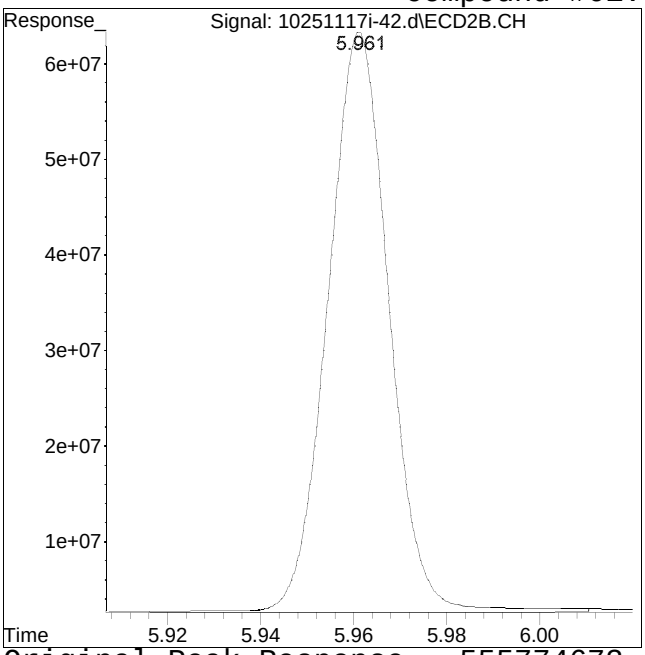


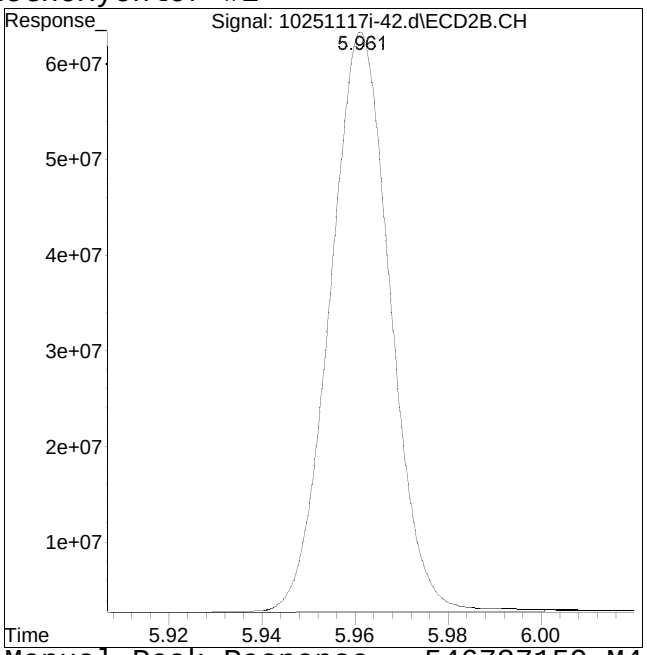
Original Peak Response = 953456164 Manual Peak Response = 943534009 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-42.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:22 Instrument : Pest 10
Sample : il11pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:08 am

Compound #61: Methoxychlor #2



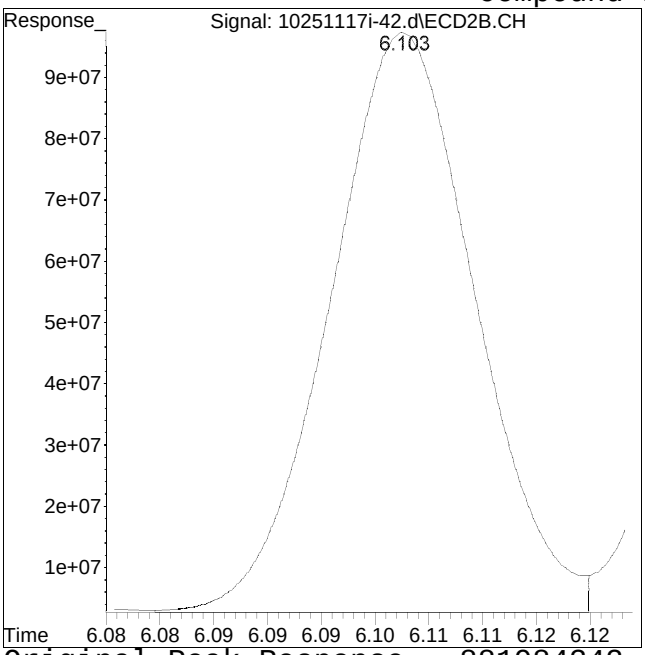


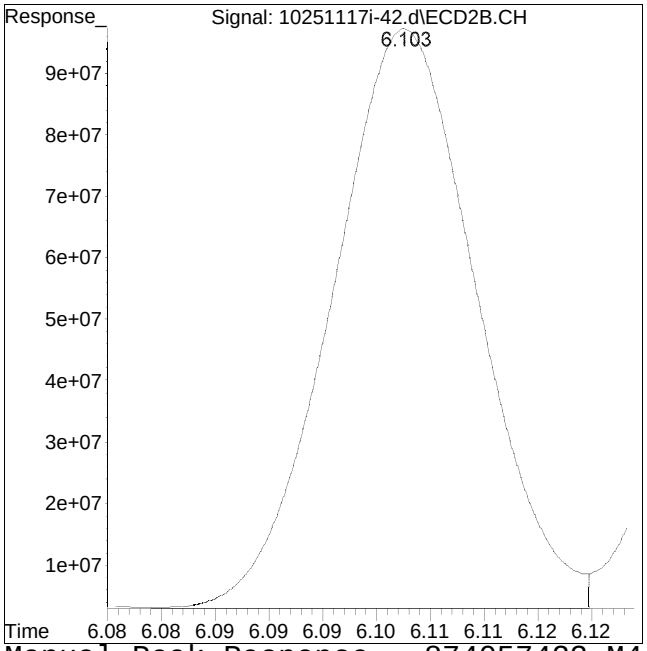
Original Peak Response = 555774673 Manual Peak Response = 546737159 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-42.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:22 Instrument : Pest 10
Sample : il11pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:08 am

Compound #62: Mirex #2



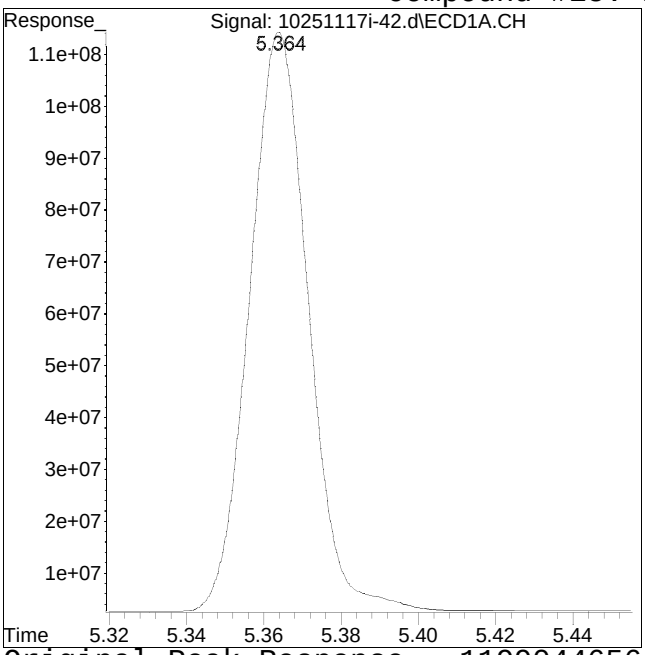


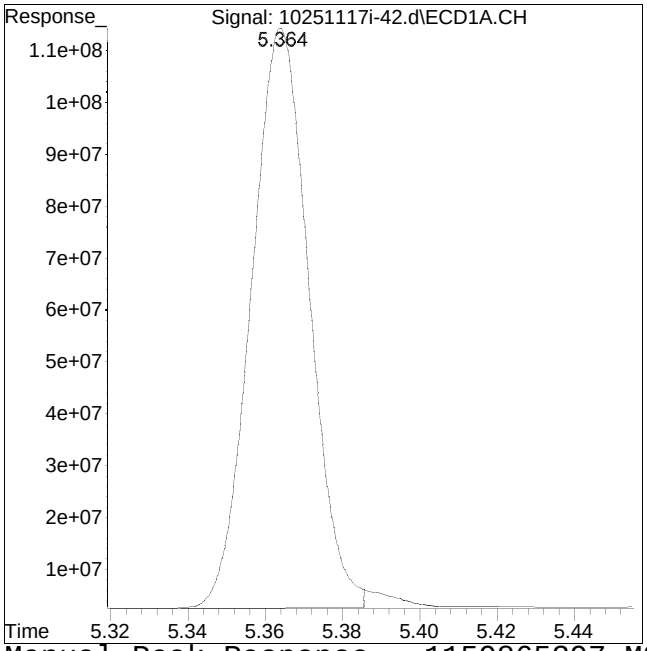
Original Peak Response = 881984342 Manual Peak Response = 874057423 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-42.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:22 Instrument : Pest 10
Sample : il11pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:08 am

Compound #25: Endosulfan Sulfate



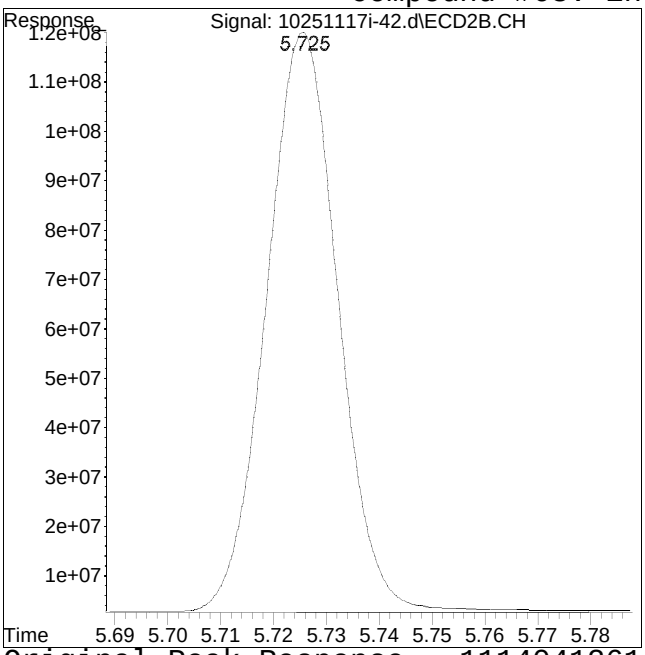


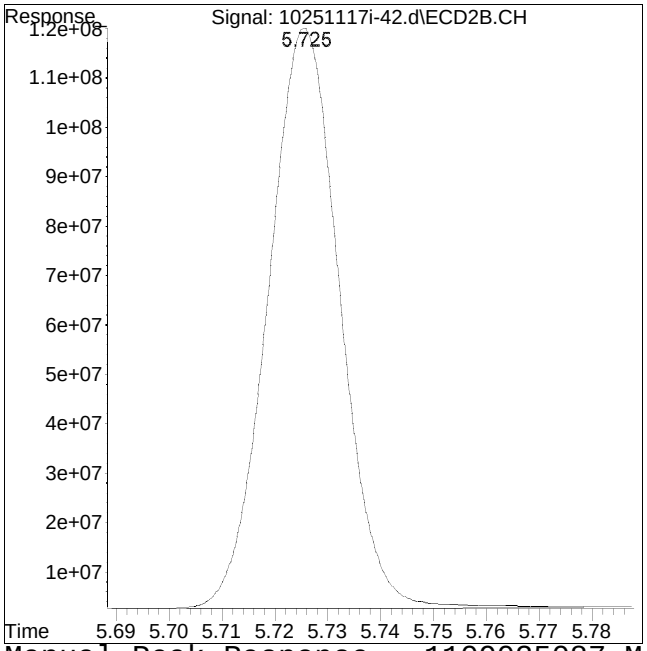
Original Peak Response = 1199044656 Manual Peak Response = 1159865397 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-42.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:22 Instrument : Pest 10
Sample : il11pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:08 am

Compound #63: Endosulfan Sulfate #2



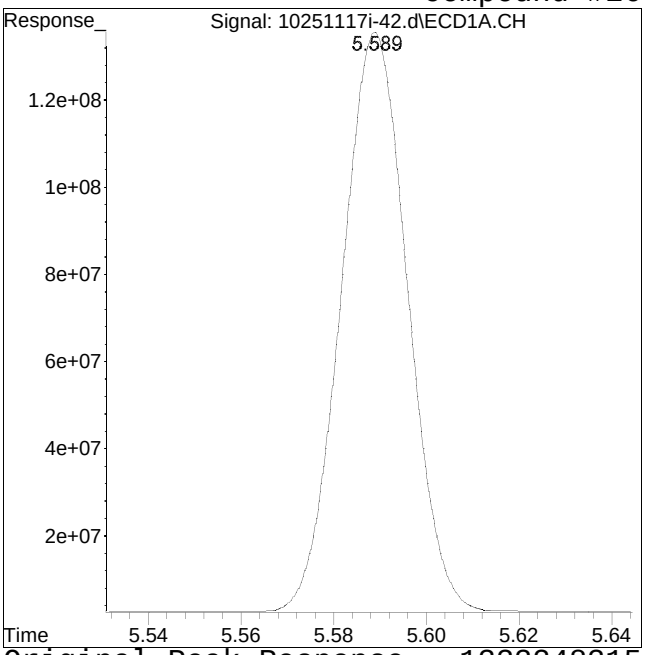


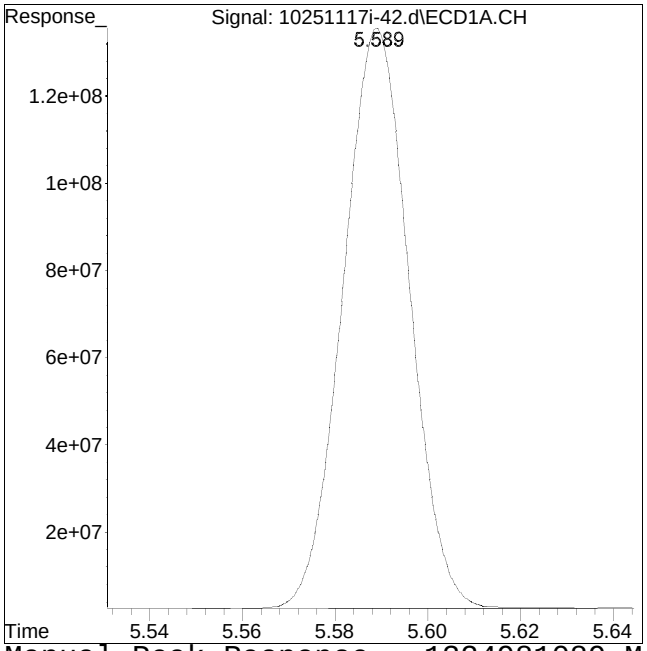
Original Peak Response = 1114041261 Manual Peak Response = 1109035087 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-42.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:22 Instrument : Pest 10
Sample : il11pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:08 am

Compound #26: Endrin Ketone



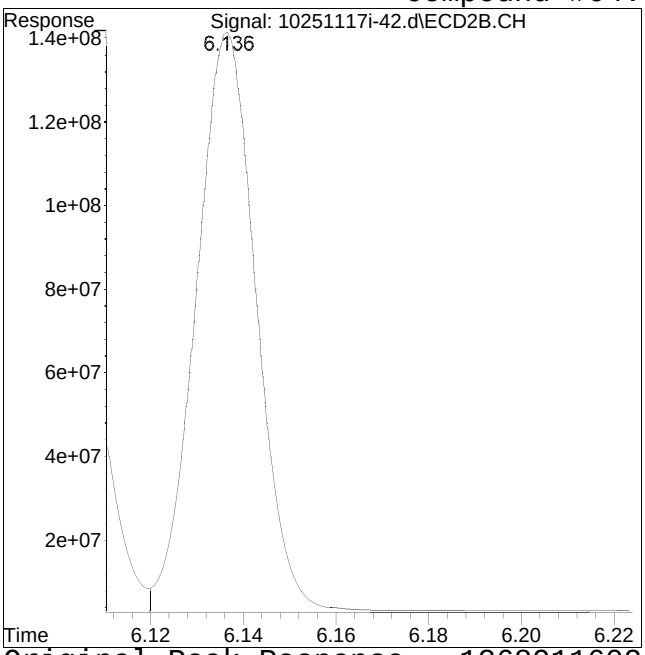


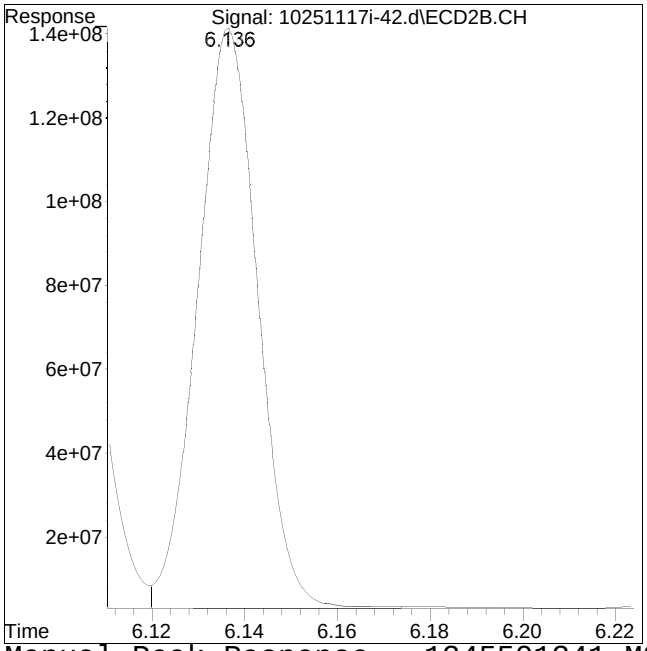
Original Peak Response = 1333248315 Manual Peak Response = 1324981089 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-42.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:22 Instrument : Pest 10
Sample : il11pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:08 am

Compound #64: Endrin Ketone #2



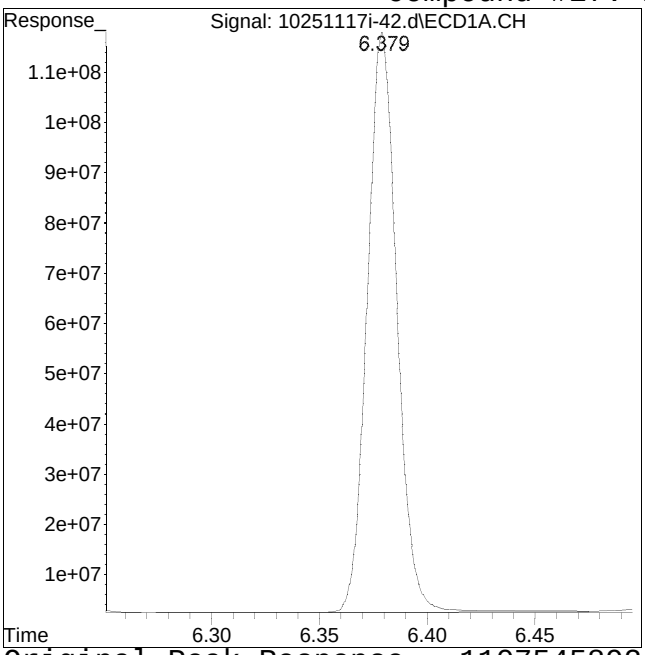


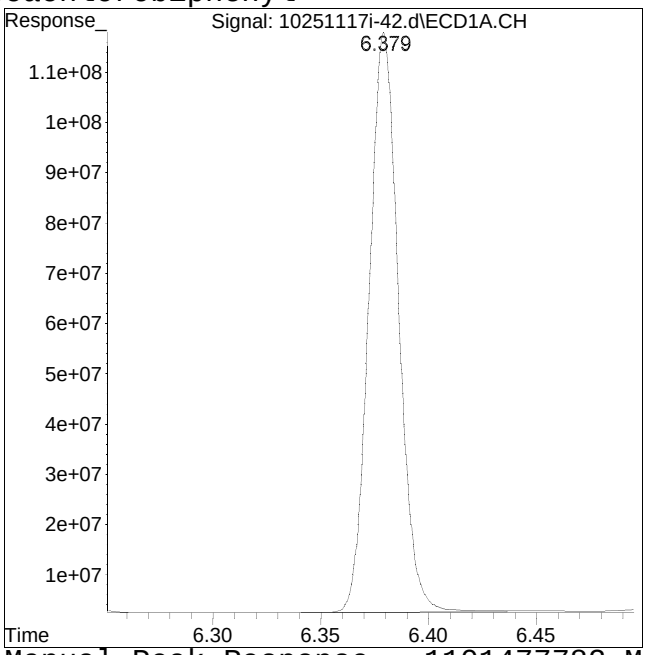
Original Peak Response = 1268911602 Manual Peak Response = 1245501341 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-42.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:22 Instrument : Pest 10
Sample : il11pest,42e,,pp 12310 L0.Quant Date : 11/20/2025 9:08 am

Compound #27: Decachlorobiphenyl





Original Peak Response = 1107545892 Manual Peak Response = 1101477782 M4
M4 = Poor automated baseline construction.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-43.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 19 Nov 2025 15:34
Operator : PEST10:akm
Sample   : cicvpest,42e,,pp 12308 L0.05ICV
Misc   : WG2144356,
ALS Vial : 43 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:18:39 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:18:29 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	104	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.344	1.368	-1.8	101	0.00
3	t	Hexachlorobenzene		1.568	1.534	2.2	102	0.00
4	t	alpha-BHC		1.653	1.776	-7.4	101	0.00
5	t	gamma-BHC (lindane)		1.589	1.517	4.5	96	0.00
6	t	beta-BHC		0.733	0.678	7.5	96	0.00
7	t	delta-BHC		1.491	1.585	-6.3	102	0.00
8	t	Heptachlor		1.515	1.508	0.5	97	0.00
9	t	Aldrin		1.498	1.588	-6.0	101	0.00
10	t	Alachlor		0.250	0.252	-0.8	97	0.00
11	t	Chlorpyrifos		0.703	0.686	2.4	104	0.00
12	t	Heptachlor Epoxide		1.344	1.409	-4.8	103	0.00
13	t	gamma-Chlordane (trans)		1.491	1.476	1.0	97	0.00
14	t	alpha-Chlordane (cis)		1.488	1.567	-5.3	104	0.00
15	t	4,4'-DDE		1.465	1.516	-3.5	98	0.00
16	t	Endosulfan I		1.361	1.342	1.4	97	0.00
17	t	Dieldrin	*	50.000	50.539	-1.1	100	0.00
18	t	Endrin		1.387	1.371	1.2	96	0.00
19	t	4,4'-DDD		1.144	1.158	-1.2	98	0.00
20	t	Endosulfan II		1.271	1.263	0.6	98	0.00
21	t	4,4'-DDT		1.171	1.232	-5.2	102	0.00
22	t	Endrin Aldehyde		0.985	0.931	5.5	94	0.00
23	t	Methoxychlor		0.657	0.628	4.4	96	0.00
24	t	Mirex		1.114	1.067	4.2	101	0.00
25	t	Endosulfan Sulfate		1.169	1.138	2.7	99	0.00
26	t	Endrin Ketone		1.348	1.355	-0.5	100	0.00
27	s	Decachlorobiphenyl		1.202	1.183	1.6	103	0.00

Signal #2

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-43.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 19 Nov 2025 15:34
Operator : PEST10:akm
Sample   : cicvpest,42e,,pp 12308 L0.05ICV
Misc   : WG2144356,
ALS Vial : 43 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:18:39 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:18:29 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	101	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.256	1.272	-1.3	101	0.00
3	t	Hexachlorobenzene		1.384	1.367	1.2	101	0.00
4	t	alpha-BHC		1.661	1.785	-7.5	99	0.00
5	t	gamma-BHC (lindane)		1.579	1.507	4.6	95	0.00
6	t	beta-BHC		0.740	0.672	9.2	94	0.00
7	t	delta-BHC		1.496	1.590	-6.3	100	0.00
8	t	Heptachlor		1.444	1.431	0.9	96	0.00
9	t	Aldrin		1.471	1.541	-4.8	99	0.00
10	t	Alachlor		0.227	0.232	-2.2	99	0.00
11	t	Chlorpyrifos		0.706	0.710	-0.6	103	0.00
12	t	Heptachlor Epoxide		1.320	1.379	-4.5	102	0.00
13	t	gamma-Chlordane (trans)		1.434	1.425	0.6	96	0.00
14	t	alpha-Chlordane (cis)		1.424	1.509	-6.0	103	0.00
15	t	4,4'-DDE		1.383	1.426	-3.1	96	0.00
16	t	Endosulfan I		1.298	1.286	0.9	96	0.00
17	t	Dieldrin		1.472	1.407	4.4	99	0.00
18	t	Endrin		1.295	1.280	1.2	95	0.00
19	t	4,4'-DDD		1.035	1.061	-2.5	97	0.00
20	t	Endosulfan II		1.165	1.175	-0.9	98	0.00
21	t	4,4'-DDT		1.048	1.095	-4.5	102	0.00
22	t	Endrin Aldehyde		0.905	0.864	4.5	92	0.00
23	t	Methoxychlor		0.580	0.552	4.8	96	0.00
24	t	Mirex		0.994	0.957	3.7	101	0.00
25	t	Endosulfan Sulfate		1.085	1.061	2.2	97	0.00
26	t	Endrin Ketone		1.225	1.218	0.6	98	0.00
27	s	Decachlorobiphenyl		1.086	1.100	-1.3	103	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-43.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 19 Nov 2025 15:34
Operator : PEST10:akm
Sample   : cicvpest,42e,,pp 12308 L0.05ICV
Misc   : WG2144356,
ALS Vial : 43 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:18:39 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:18:29 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.36#
29	l1	chlordane-1		0.050	0.000	100.0#	0#	-2.54#
30	l1	chlordane-3		0.063	0.000	100.0#	0#	-2.97#
31	l1	chlordane-4		0.205	0.000	100.0#	0#	-3.54#
32	l1	chlordane-5		0.317	0.000	100.0#	0#	-3.67#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.36#
34	l2	toxaphene-1	*	0.057	0.000	100.0#	0#	-4.56#
35	l2	toxaphene-2	*	0.044	0.000	100.0#	0#	-4.68#
36	l2	toxaphene-4	*	0.030	0.000	100.0#	0#	-5.09#
37	l2	toxaphene-5	*	0.041	0.000	100.0#	0#	-5.27#

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.42#
29	l1	chlordane-1		0.049	0.000	100.0#	0#	-2.89#
30	l1	chlordane-3		0.058	0.000	100.0#	0#	-3.51#
31	l1	chlordane-4		0.184	0.000	100.0#	0#	-4.20#
32	l1	chlordane-5		0.149	0.000	100.0#	0#	-4.37#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.42#
34	l2	toxaphene-1		0.021	0.000	100.0#	0#	-5.16#
35	l2	toxaphene-2		0.033	0.000	100.0#	0#	-5.19#
36	l2	toxaphene-4		0.037	0.000	100.0#	0#	-5.51#
37	l2	toxaphene-5		0.036	0.000	100.0#	0#	-5.91#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-43.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 15:34
Operator : PEST10:akm
Sample : cicvpest,42e,,pp 12308 L0.05ICV
Misc : WG2144356,
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:18:39 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:18:29 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.361	1.420	66535369	60664654	25.000M4	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.714	1.908	182.0E6	154.4E6	50.880M4	50.659
	Spiked Amount 50.000	Range 30 - 150		Recovery =		101.76%	101.32%
27) s	Decachlorobi	6.379	6.993	157.4E6	133.5E6	49.225M4	50.641M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		98.45%	101.28%
	Target Compounds						
3) t	Hexachlorobe	1.935	2.235	204.1E6	165.9E6	48.908M4	49.406M3
4) t	alpha-BHC	2.037	2.333	236.4E6	216.6E6	53.720	53.746
5) t	gamma-BHC (l	2.246	2.625	201.9E6	182.9E6	47.724	47.725
6) t	beta-BHC	2.302	2.690	90219229	81552350	46.215M4	45.410
7) t	delta-BHC	2.435	2.963	211.0E6	192.9E6	53.179	53.133
8) t	Heptachlor	2.602	3.031	200.7E6	173.6E6	49.768	49.531
9) t	Aldrin	2.852	3.357	211.3E6	187.0E6	53.009	52.364
10) t	Alachlor	2.975	3.236	33540613	28143120	50.391M4	51.160
11) t	Chlorpyrifos	3.067	3.595	91350202	86087436	48.833M4	50.222
12) t	Heptachlor E	3.410	3.982	187.5E6	167.3E6	52.422M4	52.238
13) t	gamma-Chlord	3.536	4.204	196.4E6	172.9E6	49.480M4	49.675
14) t	alpha-Chlord	3.674	4.370	208.6E6	183.1E6	52.658	52.979

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-43.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 15:34
Operator : PEST10:akm
Sample : cicvpest,42e,,pp 12308 L0.05ICV
Misc : WG2144356,
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:18:39 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:18:29 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) t	4,4'-DDE	3.771	4.561	201.7E6	173.0E6	51.717	51.554
16) t	Endosulfan I	3.814	4.431	178.5E6	156.0E6	49.281M4	49.555
17) t	Dieldrin	4.079	4.717	196.4E6	170.7E6	50.539M4	47.786
18) t	Endrin	4.334	5.011	182.4E6	155.3E6	49.408	49.452
19) t	4,4'-DDD	4.436	5.127	154.2E6	128.7E6	50.649M4	51.247
20) t	Endosulfan I	4.568	5.206	168.1E6	142.6E6	49.666M4	50.440
21) t	4,4'-DDT	4.722	5.402	163.9E6	132.9E6	52.592M4	52.233
22) t	Endrin Aldeh	4.976	5.499	123.8E6	104.8E6	47.219M3	47.732M4
23) t	Methoxychlor	5.199	5.961	83617842	67000408	47.808M4	47.640M4
24) t	Mirex	5.261	6.102	142.0E6	116.2E6	47.904M4	48.177M4
25) t	Endosulfan S	5.364	5.726	151.4E6	128.7E6	48.665	48.869
26) t	Endrin Keton	5.589	6.137	180.4E6	147.8E6	50.269	49.709
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-43.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 15:34
Operator : PEST10:akm
Sample : cicvpest,42e,,pp 12308 L0.05ICV
Misc : WG2144356,
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:18:39 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:18:29 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000

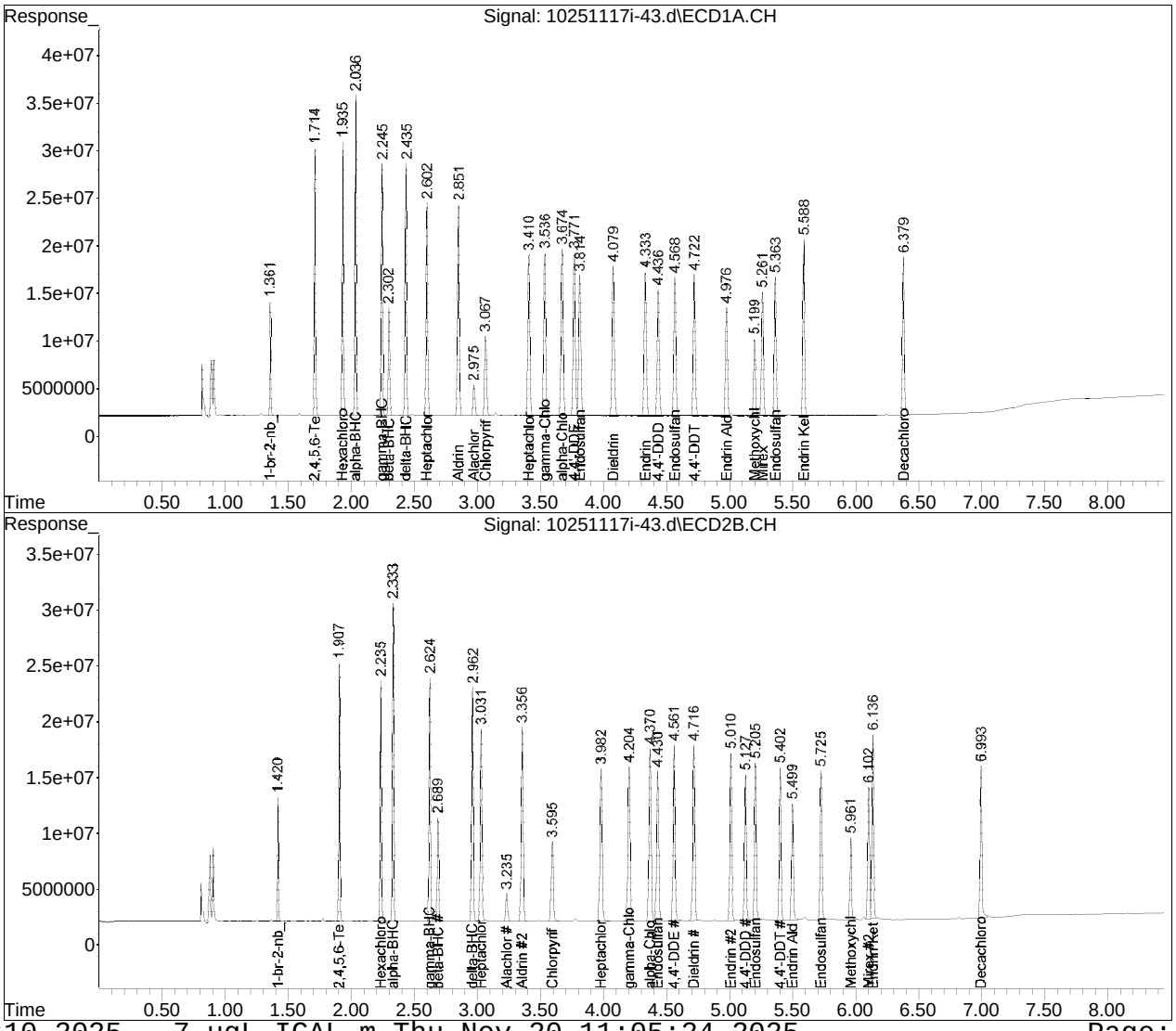
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251117ical\
Data File : 10251117i-43.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Nov 2025 15:34
Operator : PEST10:akm
Sample : cicvpest,42e,,pp 12308 L0.05ICV
Misc : WG2144356,
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 20 10:18:39 2025
Quant Method : I:\PEST\Pest10\2025\251117ical\pest10_2025_11_17_ugL_ICAL.m
Quant Title : pest
QLast Update : Thu Nov 20 10:18:29 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

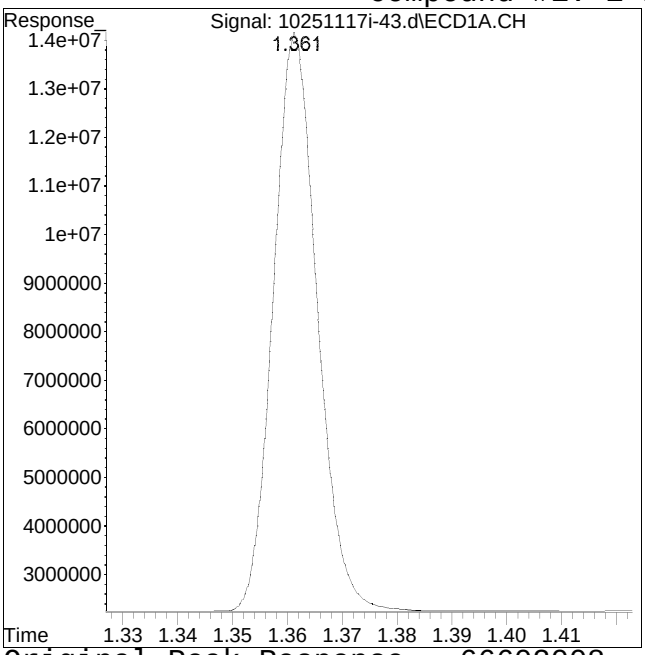
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



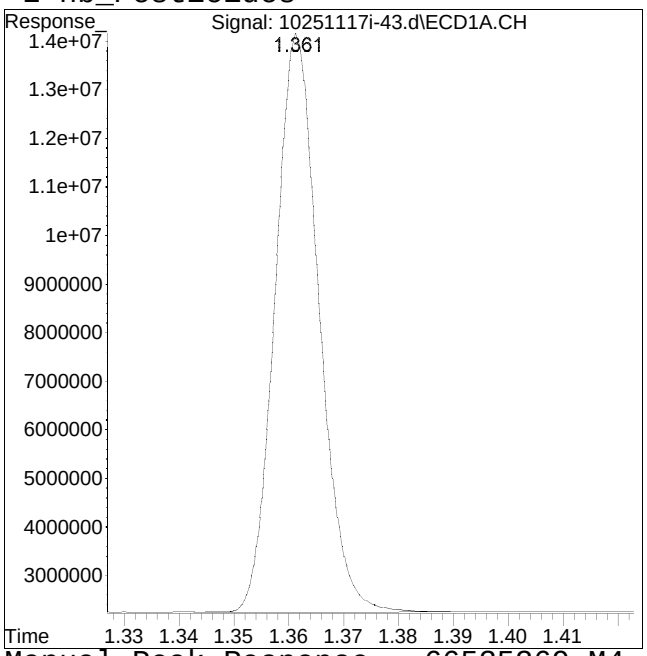
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-43.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:34 Instrument : Pest 10
Sample : cicvpest,42e,,pp 12308 L0.Quant Date : 11/20/2025 10:18 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 66602008



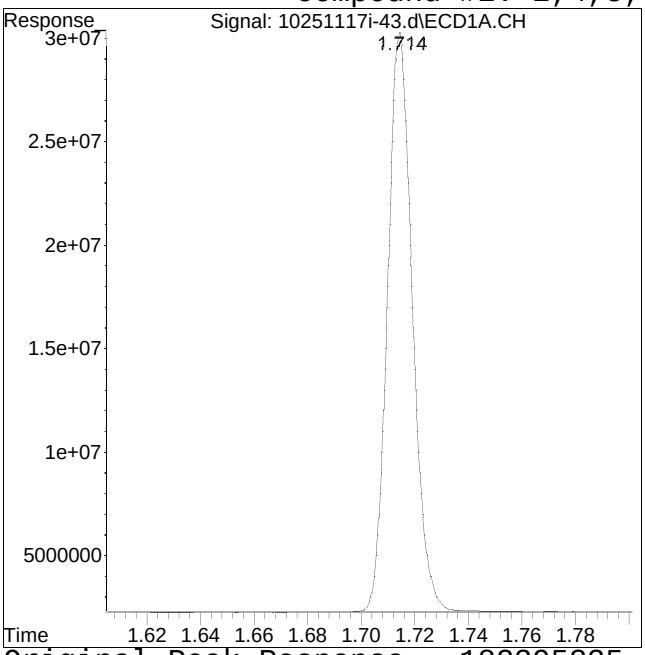
Manual Peak Response = 66535369 M4

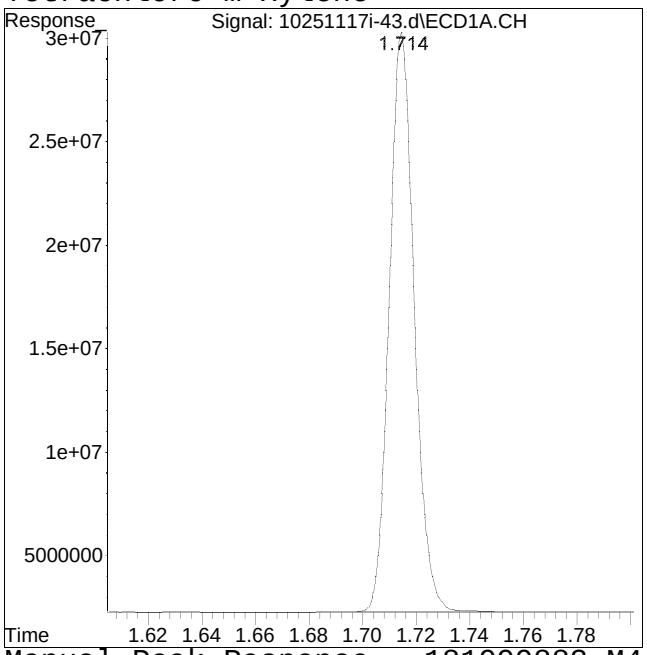
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-43.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:34 Instrument : Pest 10
Sample : cicvpest,42e,,pp 12308 L0.Quant Date : 11/20/2025 10:18 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



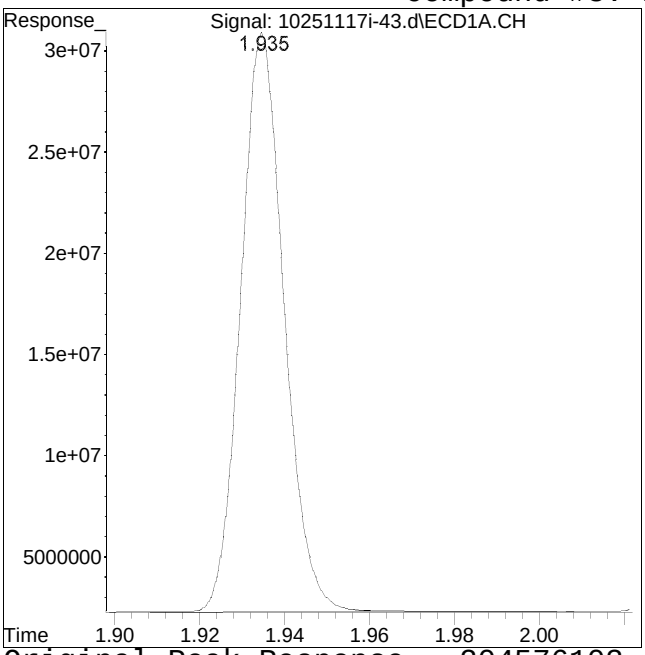


Original Peak Response = 182395335 Manual Peak Response = 181999883 M4
M4 = Poor automated baseline construction.

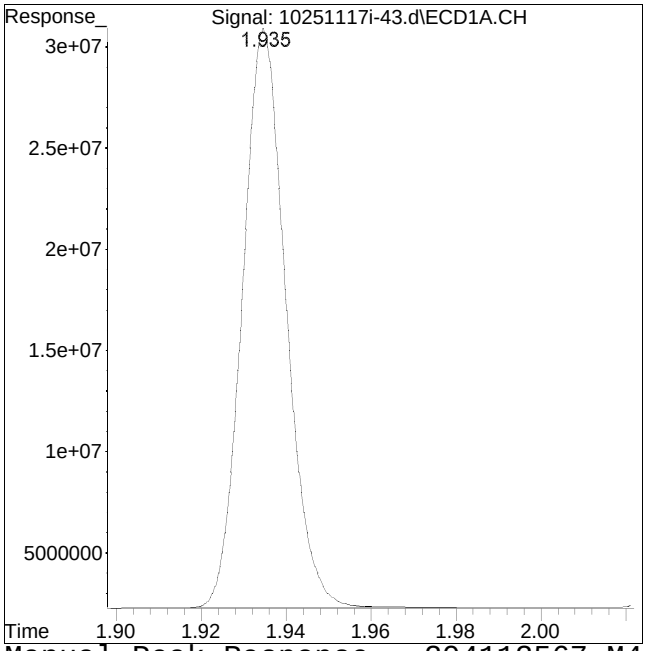
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-43.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:34 Instrument : Pest 10
Sample : cicvpest,42e,,pp 12308 L0.Quant Date : 11/20/2025 10:18 am

Compound #3: Hexachlorobenzene



Original Peak Response = 204576103



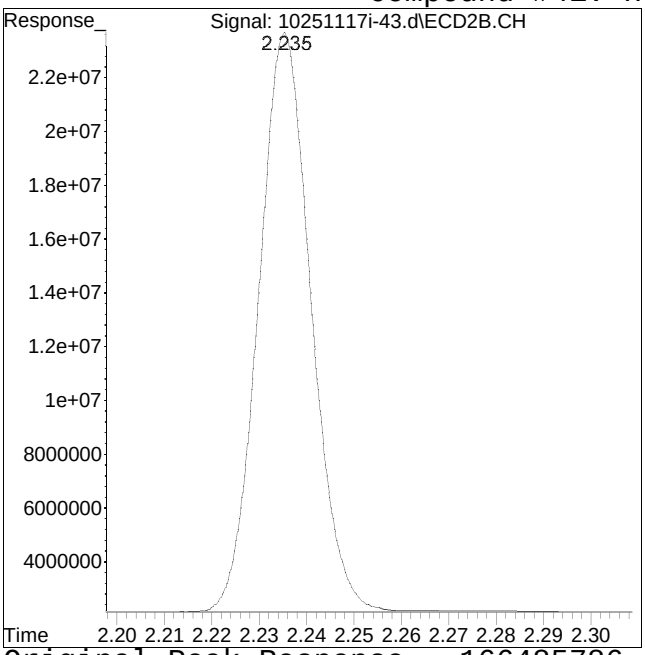
Manual Peak Response = 204113567 M4

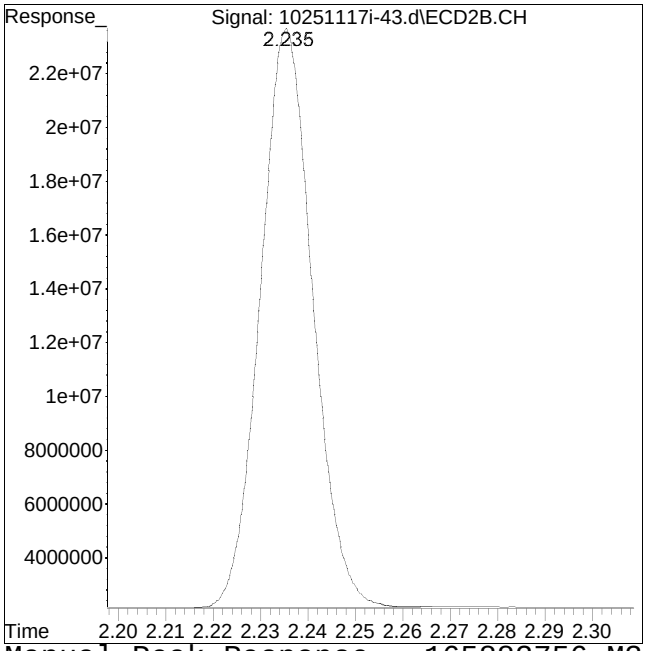
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-43.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:34 Instrument : Pest 10
Sample : cicvpest,42e,,pp 12308 L0.Quant Date : 11/20/2025 10:18 am

Compound #41: Hexachlorobenzene #2



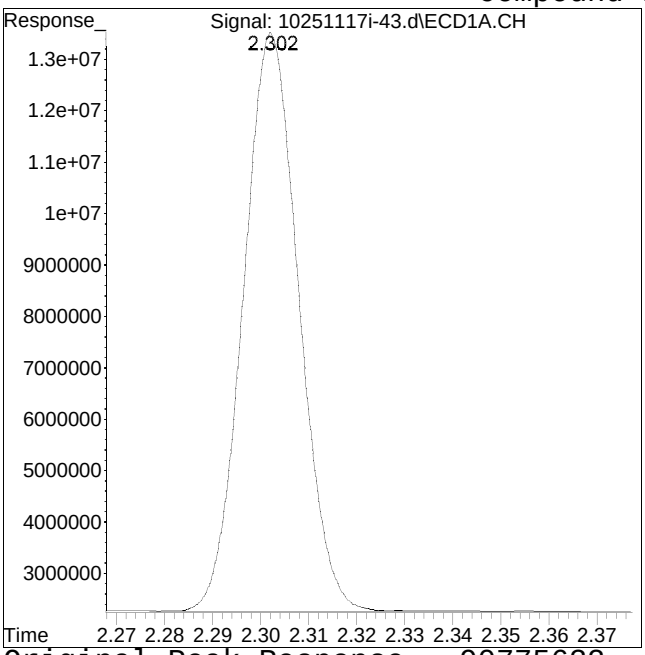


Original Peak Response = 166485786 Manual Peak Response = 165883756 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

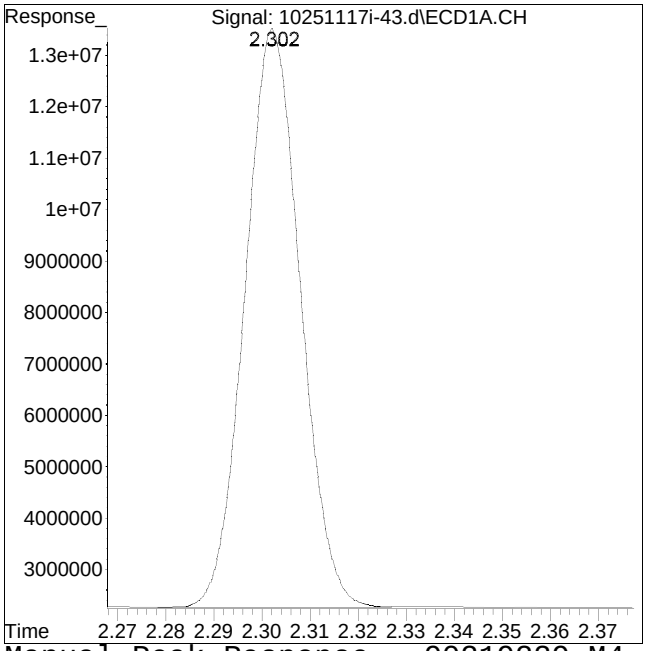
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-43.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:34 Instrument : Pest 10
Sample : cicvpest,42e,,pp 12308 L0.Quant Date : 11/20/2025 10:18 am

Compound #6: beta-BHC



Original Peak Response = 90775632



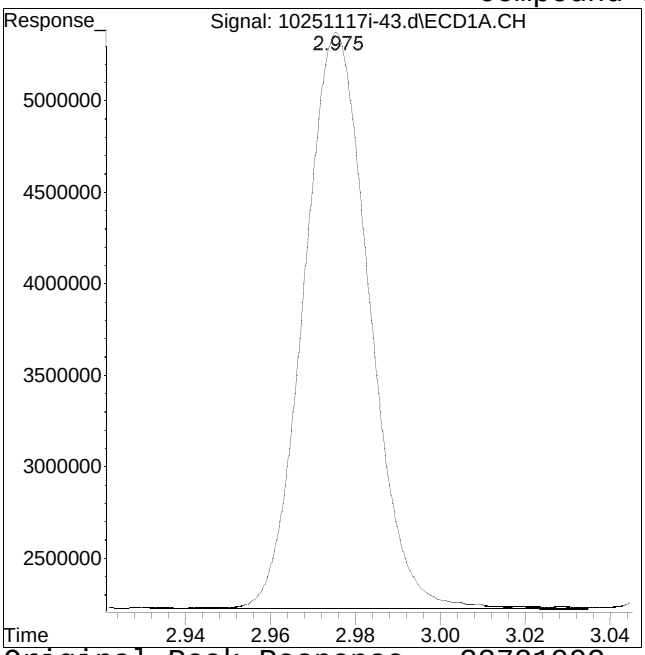
Manual Peak Response = 90219229 M4

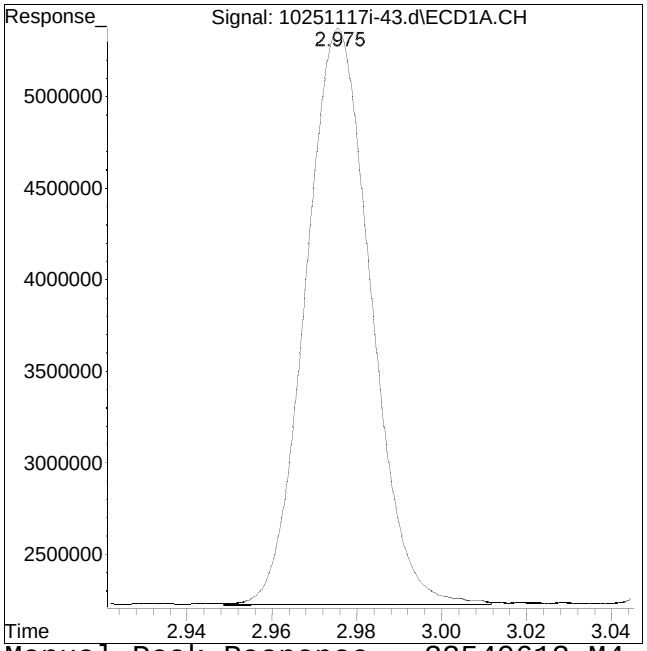
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-43.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:34 Instrument : Pest 10
Sample : cicvpest,42e,,pp 12308 L0.Quant Date : 11/20/2025 10:18 am

Compound #10: Alachlor



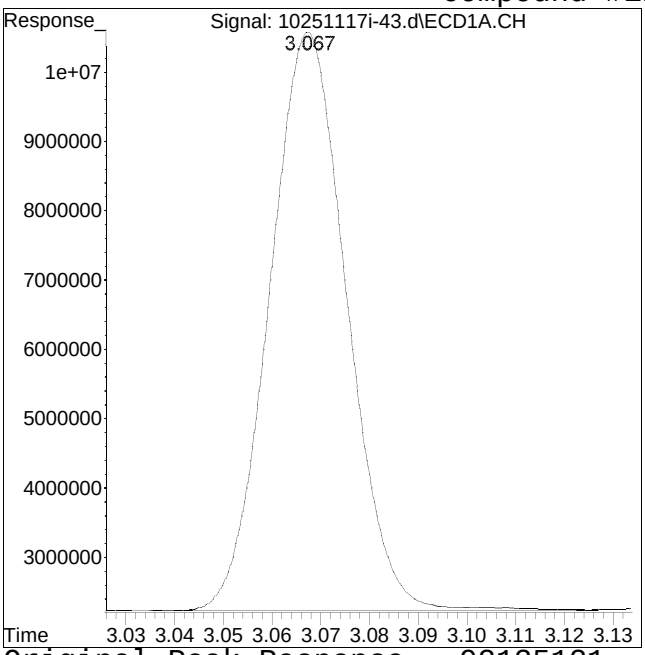


Original Peak Response = 33721992 Manual Peak Response = 33540613 M4
M4 = Poor automated baseline construction.

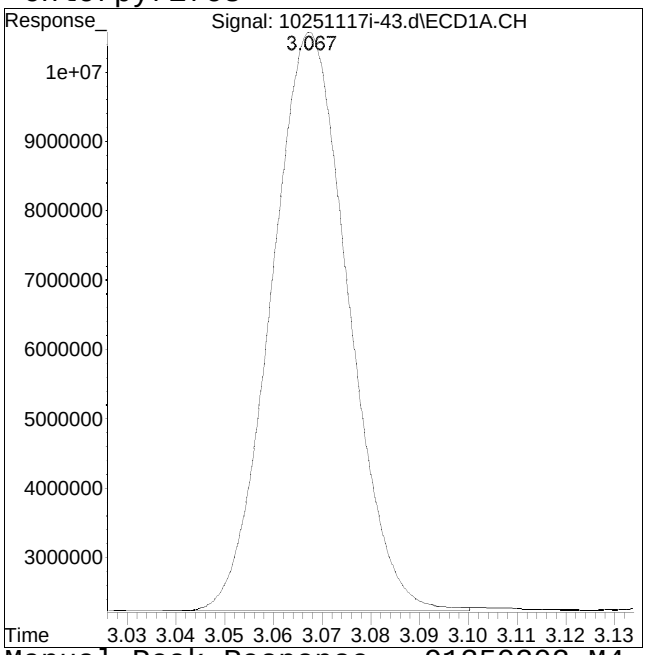
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-43.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:34 Instrument : Pest 10
Sample : cicvpest,42e,,pp 12308 L0.Quant Date : 11/20/2025 10:18 am

Compound #11: Chlorpyrifos



Original Peak Response = 92135121



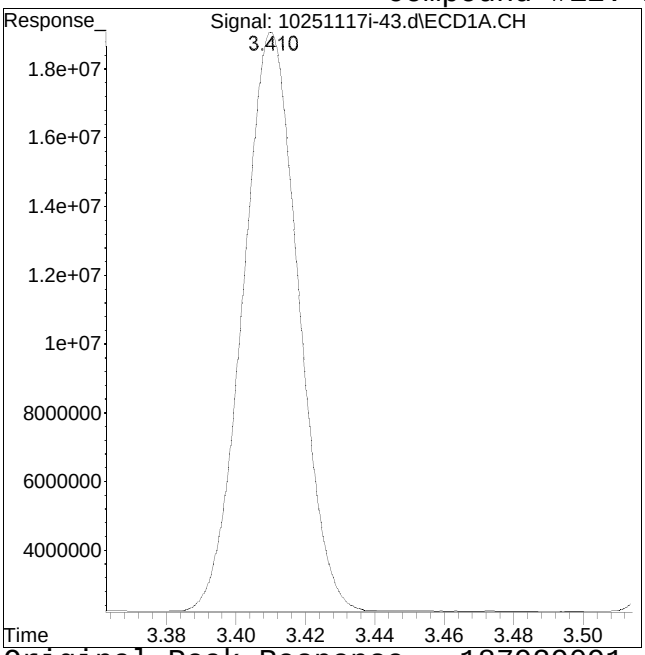
Manual Peak Response = 91350202 M4

M4 = Poor automated baseline construction.

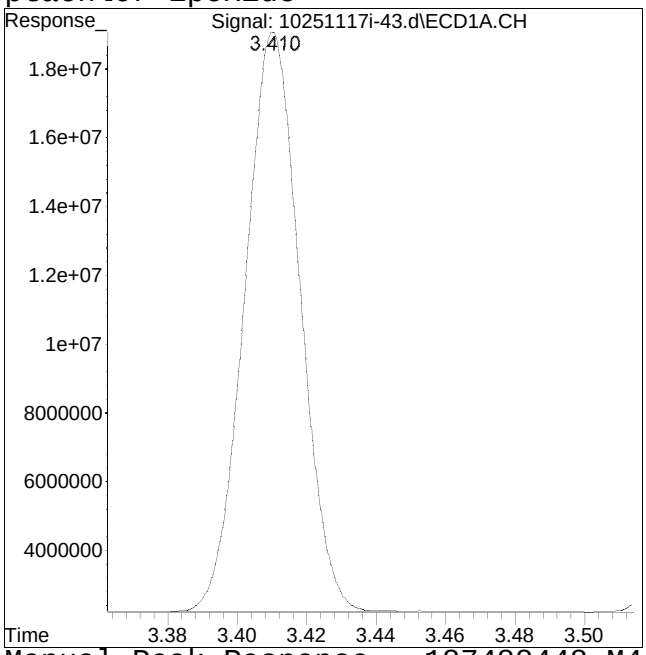
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-43.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:34 Instrument : Pest 10
Sample : cicvpest,42e,,pp 12308 L0.Quant Date : 11/20/2025 10:18 am

Compound #12: Heptachlor Epoxide



Original Peak Response = 187929091



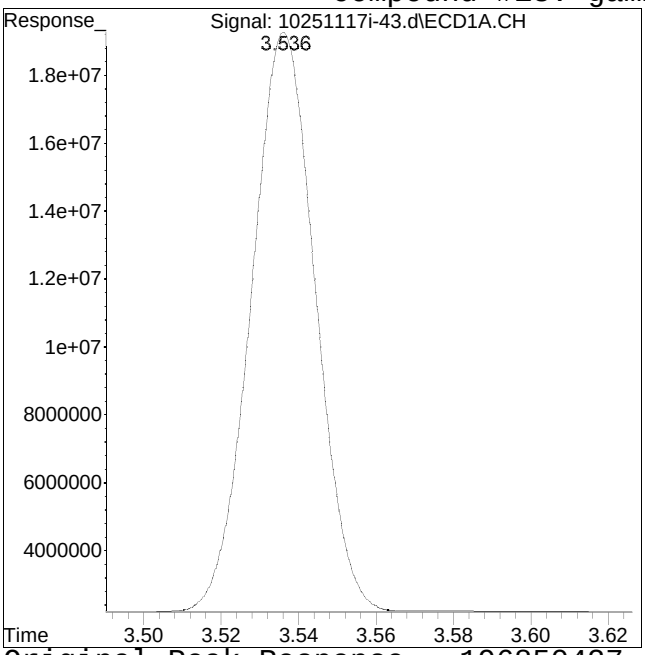
Manual Peak Response = 187488448 M4

M4 = Poor automated baseline construction.

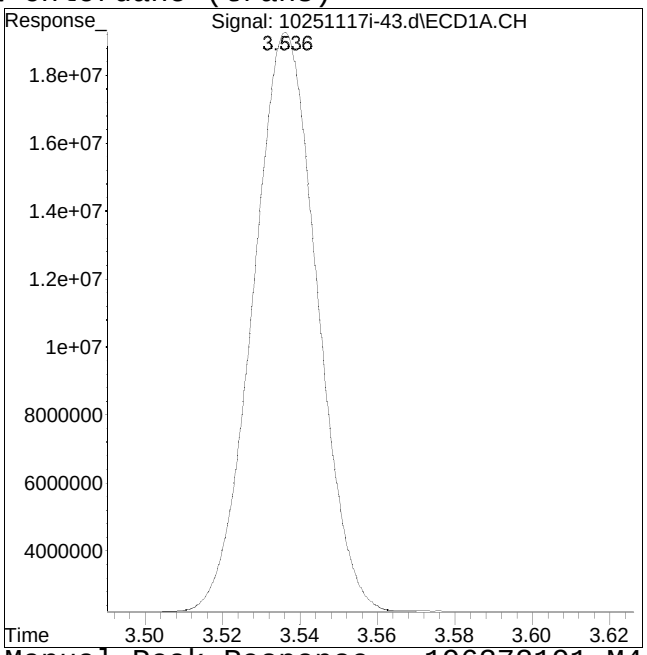
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-43.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:34 Instrument : Pest 10
Sample : cicvpest,42e,,pp 12308 L0.Quant Date : 11/20/2025 10:18 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 196850427



Manual Peak Response = 196372191 M4

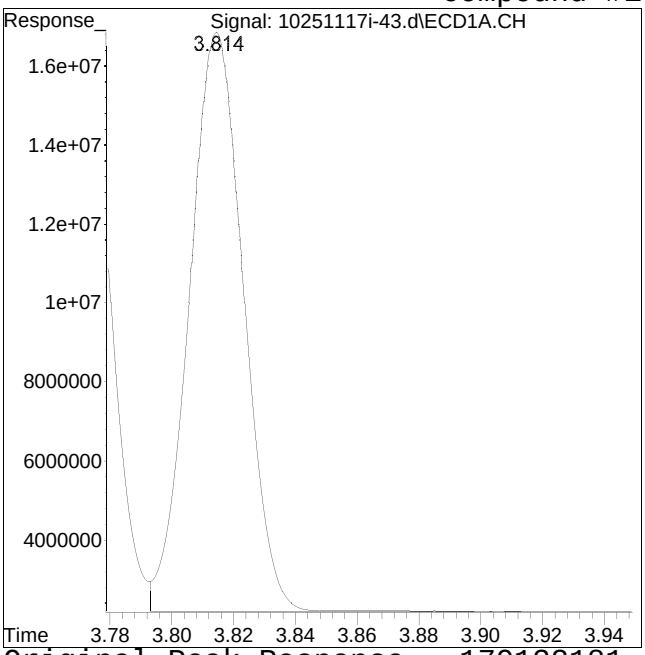
M4 = Poor automated baseline construction.

Manual Integration Report

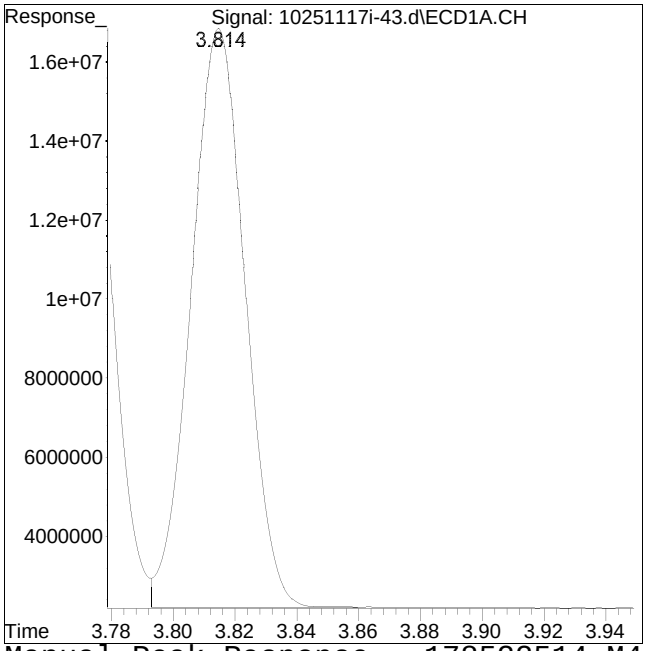
Data Path : I:\PEST\Pest10\2025\251117Q
Data File : 10251117i-43.d
Date Inj'd : 11/19/2025 15:34
Sample : cicvpest,42e,,pp 12308 L0.

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 11/20/2025 10:18 am

Compound #16: Endosulfan I



Original Peak Response = 179132181



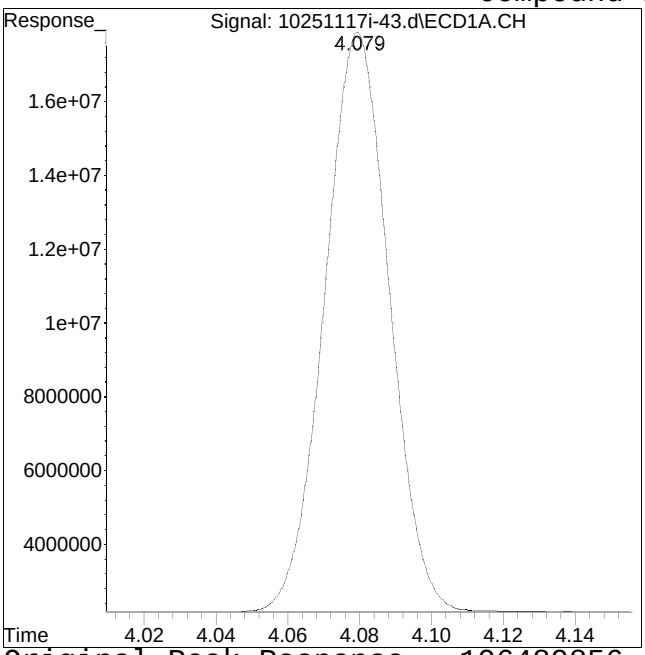
Manual Peak Response = 178522514 M4

M4 = Poor automated baseline construction.

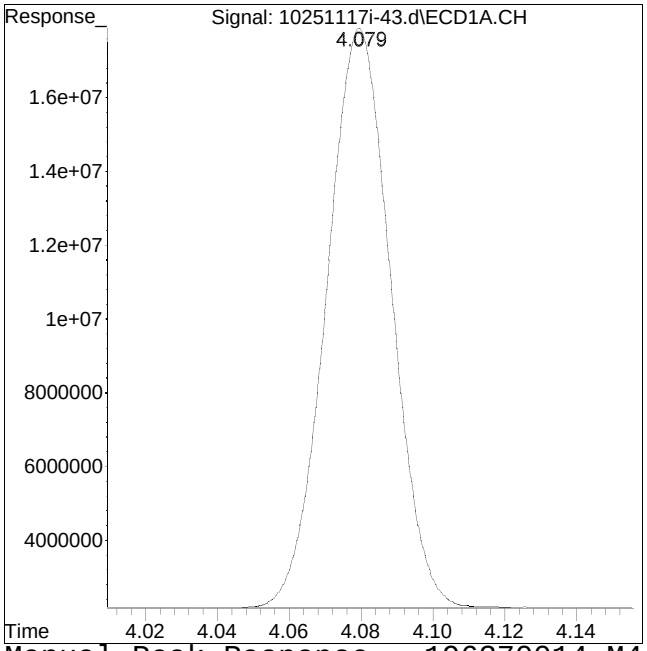
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-43.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:34 Instrument : Pest 10
Sample : cicvpest,42e,,pp 12308 L0.Quant Date : 11/20/2025 10:18 am

Compound #17: Dieldrin



Original Peak Response = 196489856



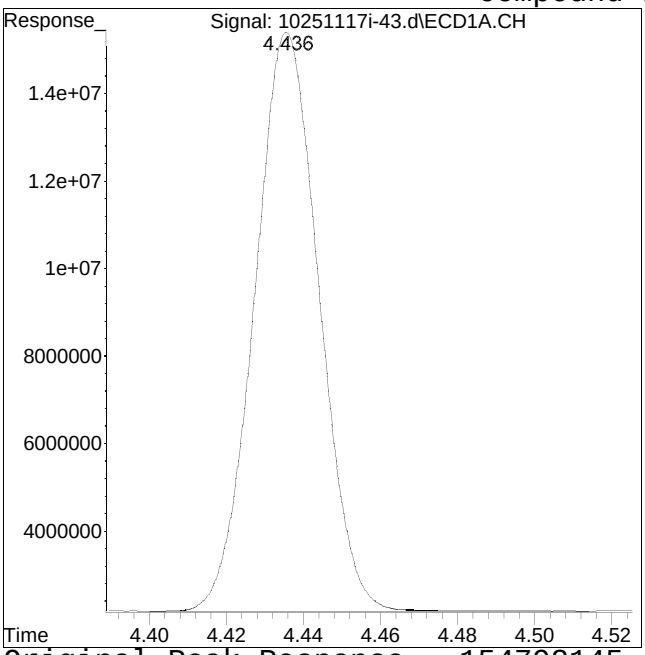
Manual Peak Response = 196370014 M4

M4 = Poor automated baseline construction.

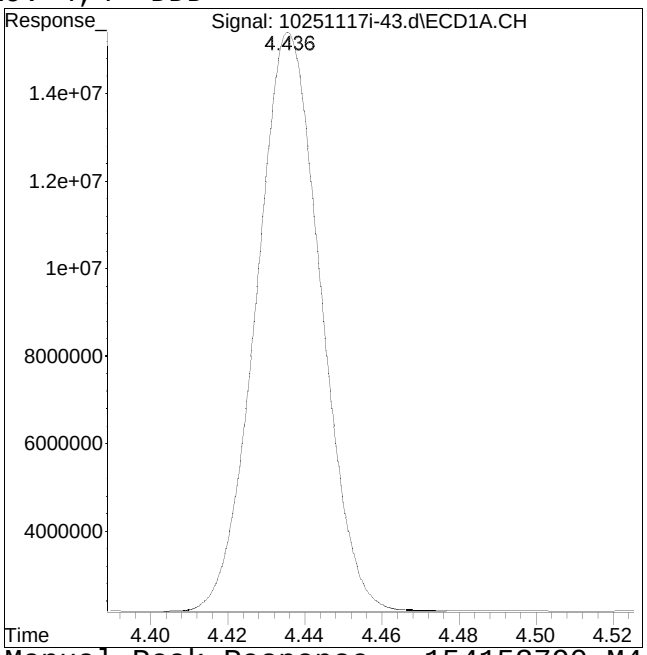
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-43.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:34 Instrument : Pest 10
Sample : cicvpest,42e,,pp 12308 L0.Quant Date : 11/20/2025 10:18 am

Compound #19: 4,4'-DDD



Original Peak Response = 154792145



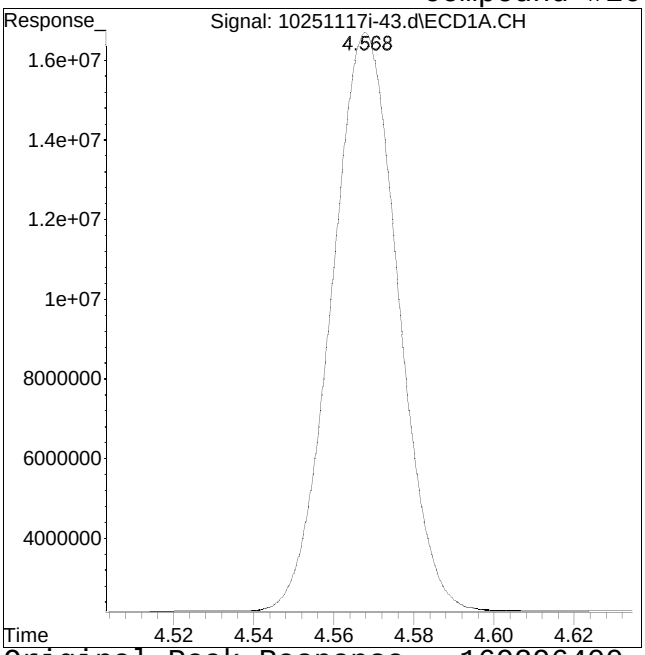
Manual Peak Response = 154153790 M4

M4 = Poor automated baseline construction.

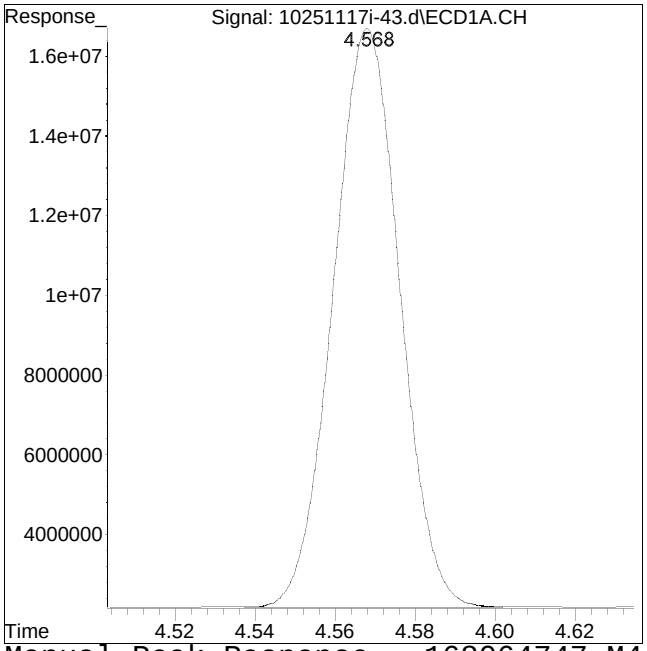
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-43.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:34 Instrument : Pest 10
Sample : cicvpest,42e,,pp 12308 L0.Quant Date : 11/20/2025 10:18 am

Compound #20: Endosulfan II



Original Peak Response = 169296400



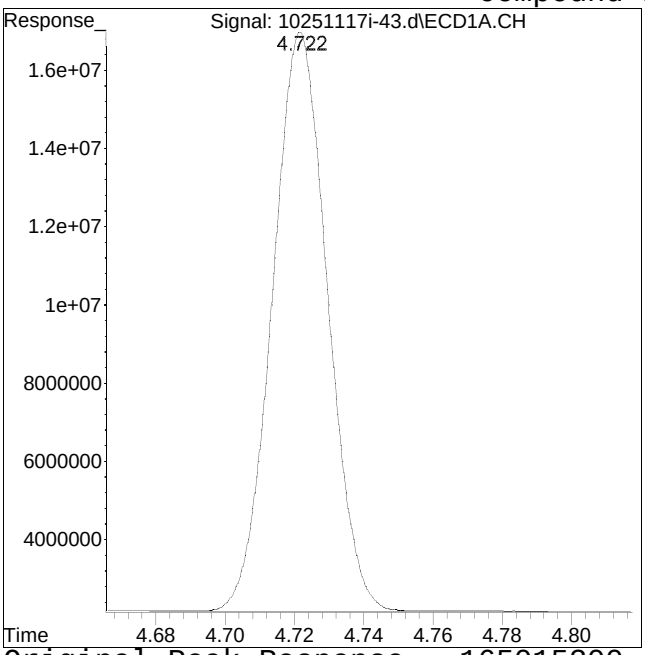
Manual Peak Response = 168064747 M4

M4 = Poor automated baseline construction.

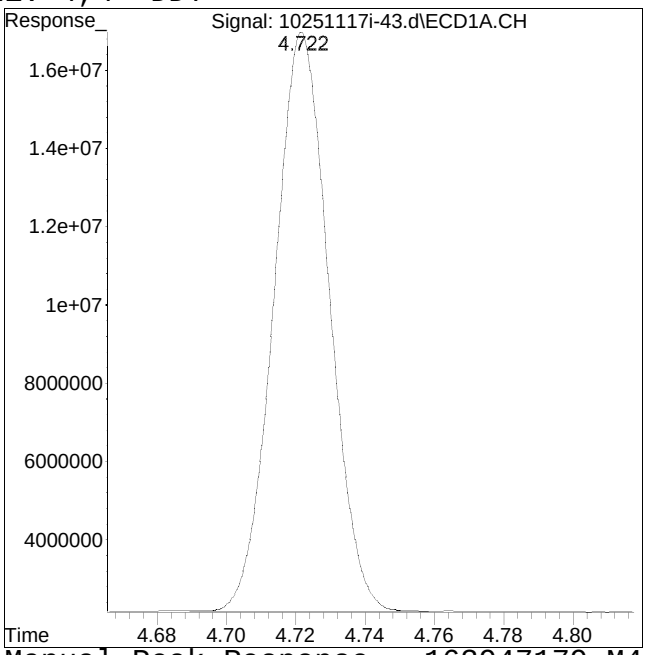
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-43.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:34 Instrument : Pest 10
Sample : cicvpest,42e,,pp 12308 L0.Quant Date : 11/20/2025 10:18 am

Compound #21: 4,4'-DDT



Original Peak Response = 165015300



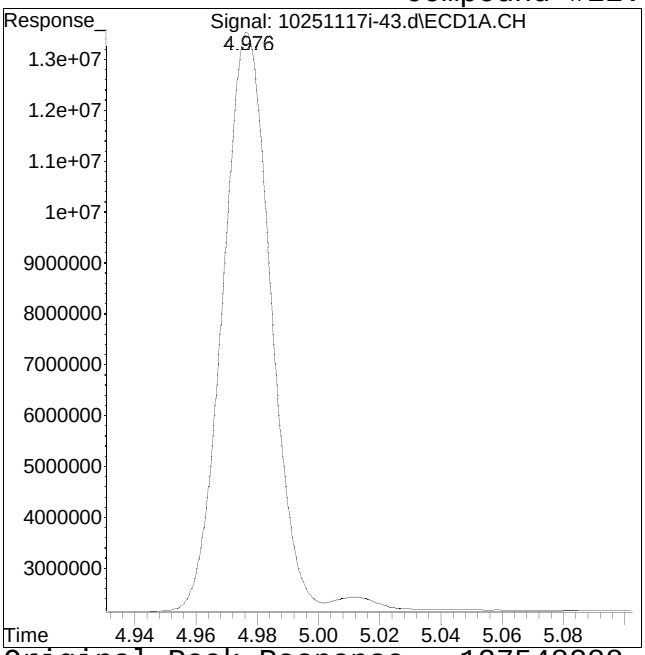
Manual Peak Response = 163947179 M4

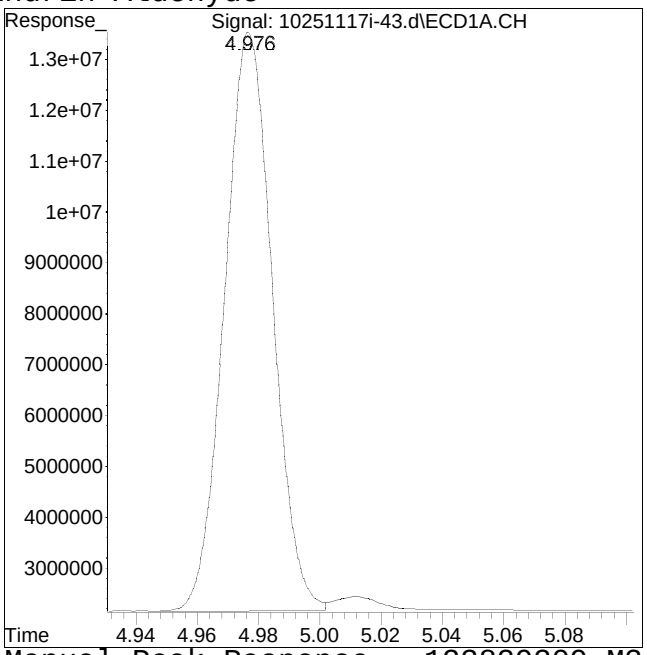
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-43.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:34 Instrument : Pest 10
Sample : cicvpest,42e,,pp 12308 L0.Quant Date : 11/20/2025 10:18 am

Compound #22: Endrin Aldehyde



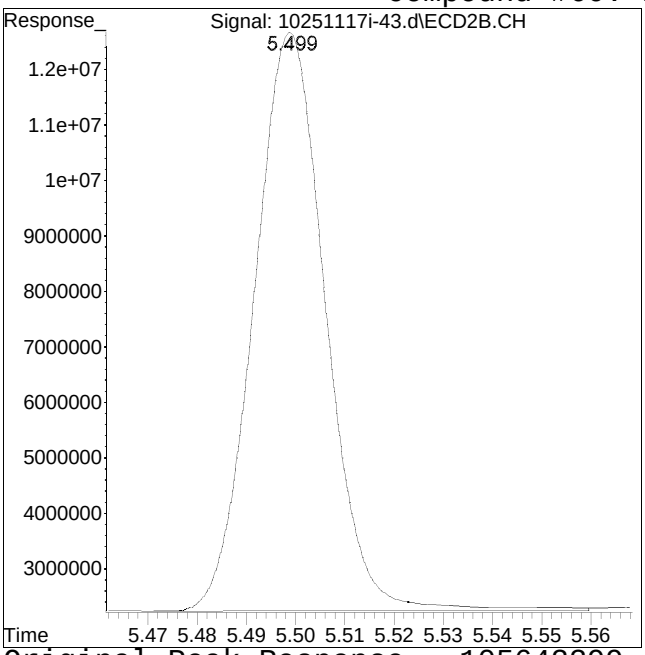


Original Peak Response = 127548288 Manual Peak Response = 123829309 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

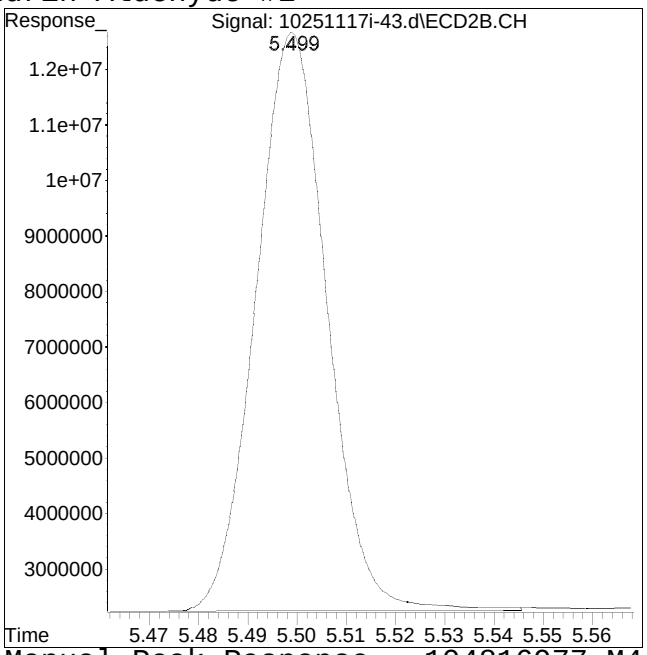
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-43.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:34 Instrument : Pest 10
Sample : cicvpest,42e,,pp 12308 L0.Quant Date : 11/20/2025 10:18 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 105642399



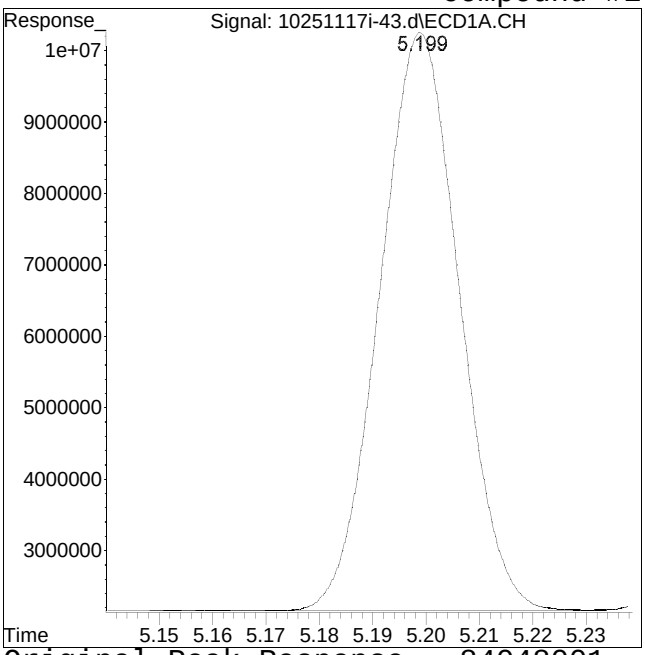
Manual Peak Response = 104816977 M4

M4 = Poor automated baseline construction.

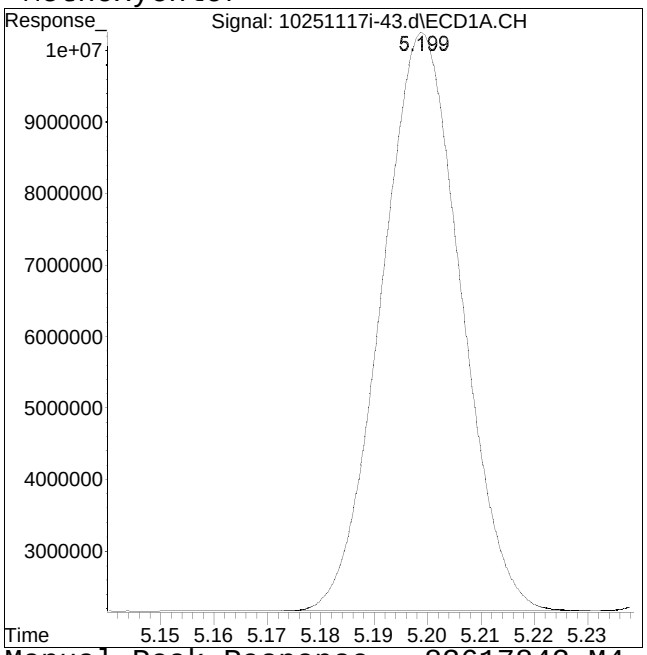
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-43.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:34 Instrument : Pest 10
Sample : cicvpest,42e,,pp 12308 L0.Quant Date : 11/20/2025 10:18 am

Compound #23: Methoxychlor



Original Peak Response = 84048001



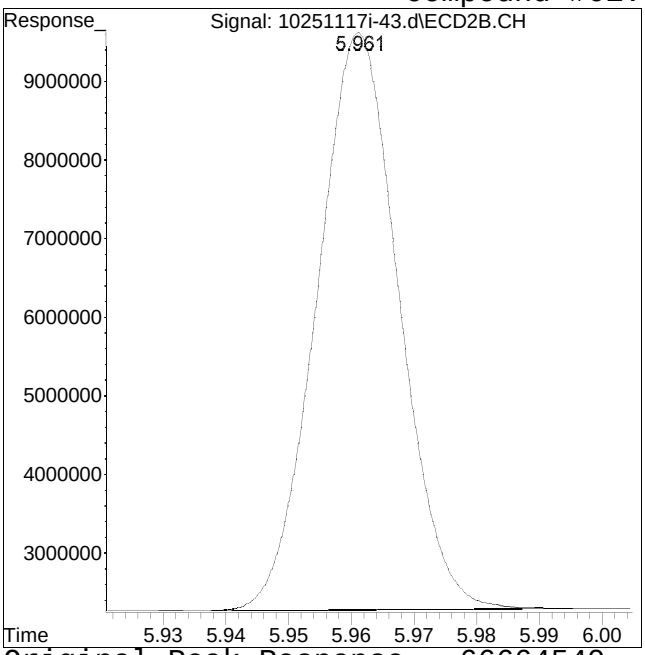
Manual Peak Response = 83617842 M4

M4 = Poor automated baseline construction.

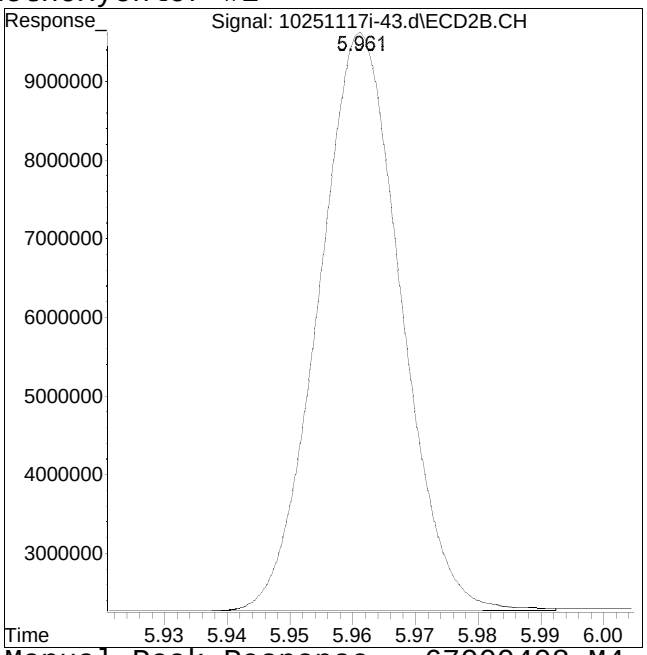
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-43.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:34 Instrument : Pest 10
Sample : cicvpest,42e,,pp 12308 L0.Quant Date : 11/20/2025 10:18 am

Compound #61: Methoxychlor #2



Original Peak Response = 66664540



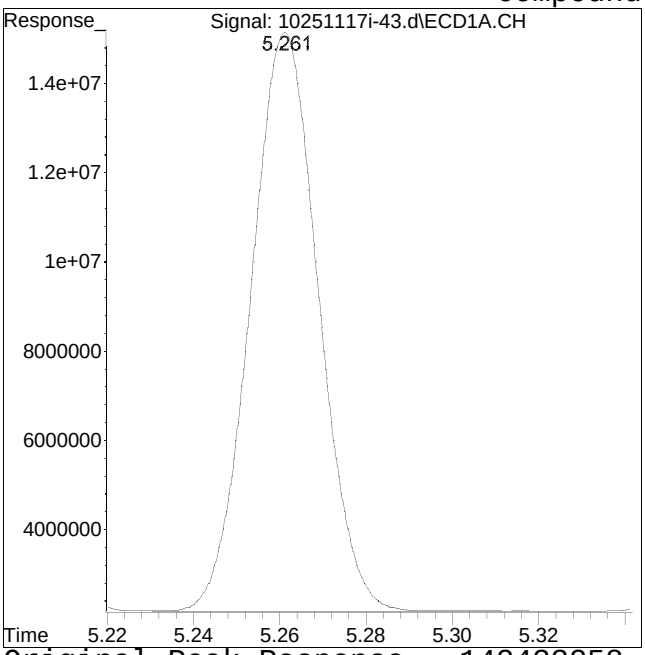
Manual Peak Response = 67000408 M4

M4 = Poor automated baseline construction.

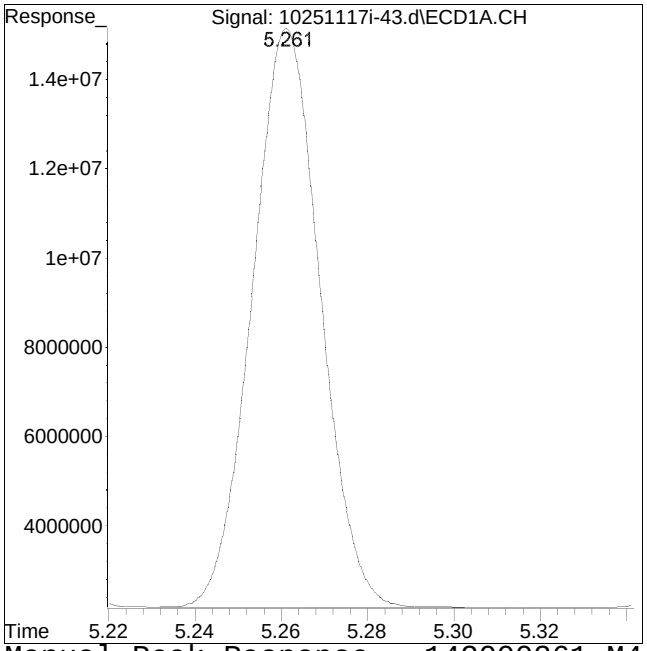
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-43.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:34 Instrument : Pest 10
Sample : cicvpest,42e,,pp 12308 L0.Quant Date : 11/20/2025 10:18 am

Compound #24: Mirex



Original Peak Response = 142433258



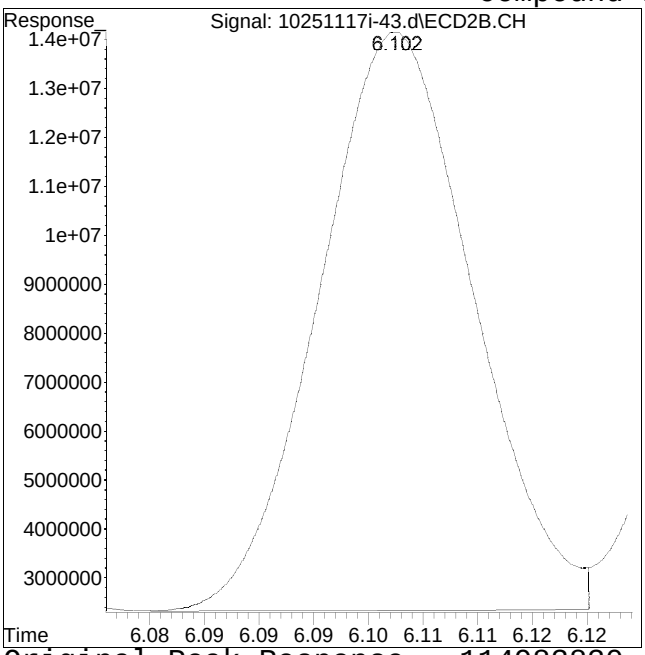
Manual Peak Response = 142000261 M4

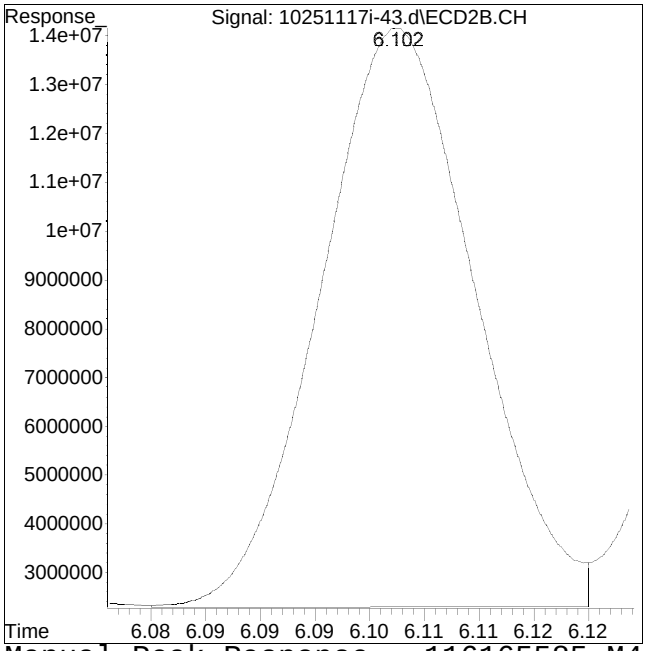
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-43.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:34 Instrument : Pest 10
Sample : cicvpest,42e,,pp 12308 L0.Quant Date : 11/20/2025 10:18 am

Compound #62: Mirex #2



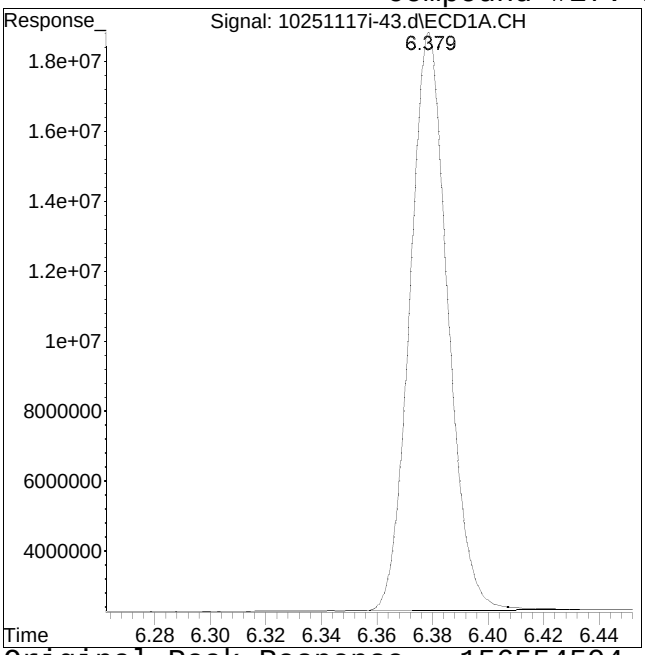


Original Peak Response = 114983830 Manual Peak Response = 116165585 M4
M4 = Poor automated baseline construction.

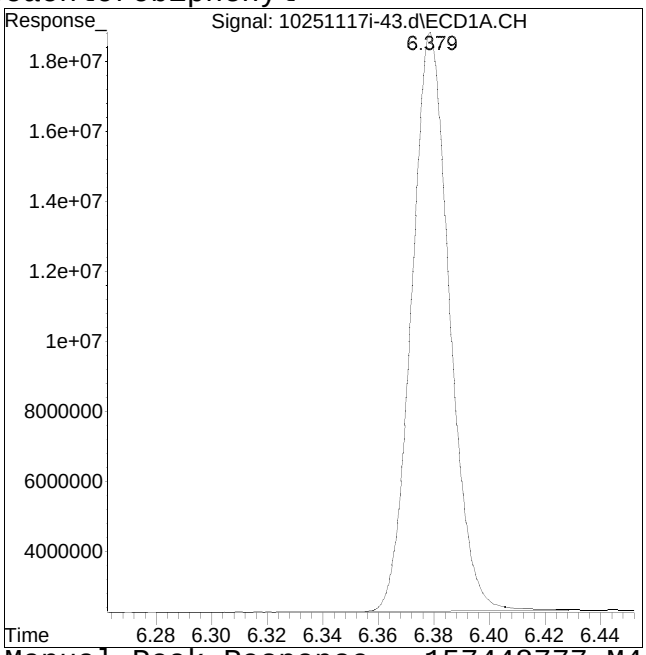
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-43.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:34 Instrument : Pest 10
Sample : cicvpest,42e,,pp 12308 L0.Quant Date : 11/20/2025 10:18 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 156554504



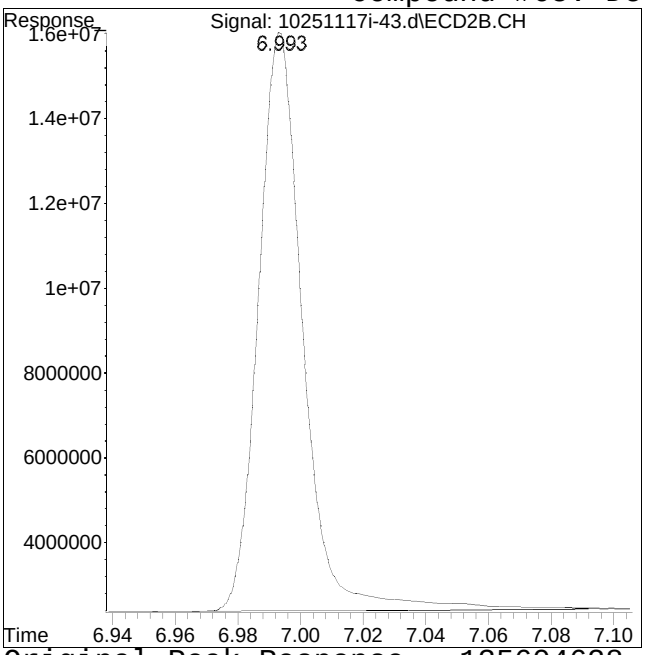
Manual Peak Response = 157448777 M4

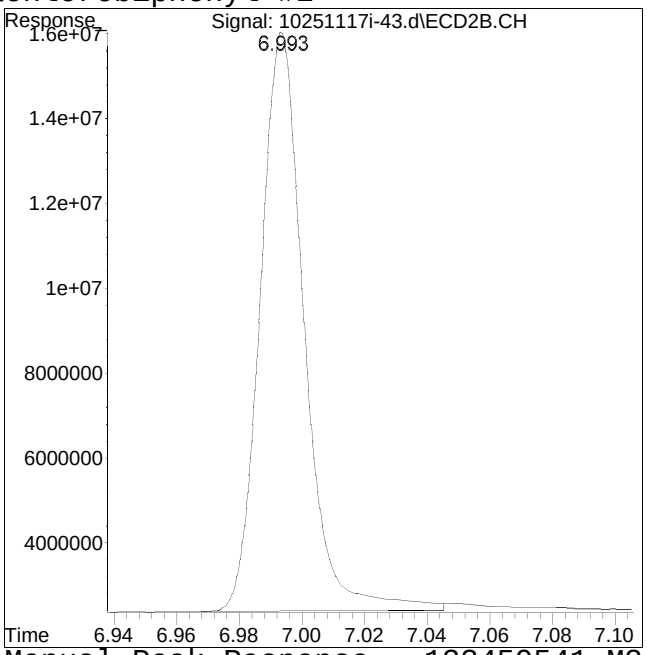
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251117QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251117i-43.d Operator : PEST10:akm
Date Inj'd : 11/19/2025 15:34 Instrument : Pest 10
Sample : cicvpest,42e,,pp 12308 L0.Quant Date : 11/20/2025 10:18 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 135604628 Manual Peak Response = 133459541 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Relative Error Report Pest 10

Method Path : I:\PEST\Pest10\2025\251117ical\
Method File : pest10_2025_11_17_ugL_ICAL.m
Title : pest
Last Update : Thu Nov 20 10:40:29 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
17	T Dieldrin	L	ug/l	50.0	50.196	0.4	0.20	0.212	6.0
34	L2 toxaphene-1	L	ug/l	2000.0	2091.890	4.6	20.00	20.064	0.3
35	L2 toxaphene-2	L	ug/l	2000.0	2087.651	4.4	20.00	21.850	9.3
36	L2 toxaphene-4	L	ug/l	2000.0	2050.268	2.5	20.00	22.036	10.2
37	L2 toxaphene-5	L	ug/l	2000.0	2095.442	4.8	20.00	19.621	-1.9

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
17	T Dieldrin	Linear	0.999651	0.000000	1.45713	0.00568796
34	L2 toxaphene-1	Linear	0.997025	0.000000	0.0624458	-0.0169833
35	L2 toxaphene-2	Linear	0.997385	0.000000	0.047259	-0.0106549
36	L2 toxaphene-4	Linear	0.997828	0.000000	0.034714	-0.01411
37	L2 toxaphene-5	Linear	0.996992	0.000000	0.0407326	0.000223934

Continuing Calibration

Calibration Verification Summary
Form 7
Pesticides

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576		
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000		
Instrument ID	: PEST10	**Calibration Date**	: 12/01/25 08:25		
Lab File ID	: 10251201b-03	**Init. Calib. Date(s)**	: 11/17/25	11/19/25	
Sample No	: WG2147890-1	**Init. Calib. Times**	: 12:41	15:22	
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	1	1	-	0	20	136	0
2,4,5,6-Tetrachloro-m-xylen	1.344	1.097	-	18.4	20	107	0
Hexachlorobenzene	1.568	1.175	-	25.1*	20	102	0
alpha-BHC	1.653	1.615	-	2.3	20	121	0
gamma-BHC (lindane)	1.589	1.393	-	12.3	20	116	0
beta-BHC	0.733	0.607	-	17.2	20	113	0
delta-BHC	1.491	1.475	-	1.1	20	124	0
Heptachlor	1.515	1.416	-	6.5	20	120	0
Aldrin	1.498	1.416	-	5.5	20	118	0
Alachlor	0.25	0.193	-	22.8*	20	97	0
Chlorpyrifos	0.703	0.683	-	2.8	20	135	0
Heptachlor Epoxide	1.344	1.27	-	5.5	20	122	0
gamma-Chlordane (trans)	1.491	1.327	-	11	20	114	0
alpha-Chlordane (cis)	1.488	1.388	-	6.7	20	121	0
4,4'-DDE	1.465	1.322	-	9.8	20	112	0
Endosulfan I	1.361	1.191	-	12.5	20	113	0
Dieldrin	50	45.461	-	9.1	20	118	0
Endrin	1.387	1.277	-	7.9	20	117	0
4,4'-DDD	1.144	1.086	-	5.1	20	120	0
Endosulfan II	1.271	1.109	-	12.7	20	113	0
4,4'-DDT	1.171	1.148	-	2	20	124	0
Endrin Aldehyde	0.985	0.785	-	20.3*	20	104	0
Methoxychlor	0.657	0.625	-	4.9	20	126	0
Mirex	1.114	0.955	-	14.3	20	119	0
Endosulfan Sulfate	1.169	1.018	-	12.9	20	116	0
Endrin Ketone	1.348	1.219	-	9.6	20	118	0
Decachlorobiphenyl	1.202	0.927	-	22.9*	20	106	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Pesticides

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576		
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000		
Instrument ID	: PEST10	**Calibration Date**	: 12/01/25 08:25		
Lab File ID	: 10251201b-03	**Init. Calib. Date(s)**	: 11/17/25	11/19/25	
Sample No	: WG2147890-1	**Init. Calib. Times**	: 12:41	15:22	
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	1	1	-	0	20	143	0
2,4,5,6-Tetrachloro-m-xyl	1.256	1.126	-	10.4	20	127	0
Hexachlorobenzene	1.384	1.195	-	13.7	20	125	0
alpha-BHC	1.661	1.646	-	0.9	20	130	0
gamma-BHC (lindane)	1.579	1.415	-	10.4	20	126	0
beta-BHC	0.74	0.61	-	17.6	20	120	0
delta-BHC	1.496	1.487	-	0.6	20	132	0
Heptachlor	1.444	1.429	-	1	20	136	0
Aldrin	1.471	1.441	-	2	20	132	0
Alachlor	0.227	0.199	-	12.3	20	120	0
Chlorpyrifos	0.706	0.695	-	1.6	20	143	0
Heptachlor Epoxide	1.32	1.307	-	1	20	137	0
gamma-Chlordane (trans)	1.434	1.356	-	5.4	20	130	0
alpha-Chlordane (cis)	1.424	1.43	-	-0.4	20	138	0
4,4'-DDE	1.383	1.345	-	2.7	20	128	0
Endosulfan I	1.298	1.219	-	6.1	20	128	0
Dieldrin	1.472	1.36	-	7.6	20	135	0
Endrin	1.295	1.29	-	0.4	20	135	0
4,4'-DDD	1.035	1.094	-	-5.7	20	142	0
Endosulfan II	1.165	1.14	-	2.1	20	134	0
4,4'-DDT	1.048	1.216	-	-16	20	160	0
Endrin Aldehyde	0.905	0.808	-	10.7	20	122	0
Methoxychlor	0.58	0.624	-	-7.6	20	154	0
Mirex	0.994	0.973	-	2.1	20	146	0
Endosulfan Sulfate	1.085	1.053	-	2.9	20	137	0
Endrin Ketone	1.225	1.285	-	-4.9	20	147	0
Decachlorobiphenyl	1.086	1.059	-	2.5	20	140	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Pesticides

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576		
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000		
Instrument ID	: PEST10	**Calibration Date**	: 12/01/25 08:47		
Lab File ID	: 10251201b-05	**Init. Calib. Date(s)**	: 11/17/25	11/19/25	
Sample No	: WG2147890-3	**Init. Calib. Times**	: 12:41	15:22	
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	1	1	-	0	20	134	0
toxaphene-1	2000	2049.976	-	-2.5	20	131	-.01
toxaphene-2	2000	1937.494	-	3.1	20	124	-.01
toxaphene-4	2000	2082.058	-	-4.1	20	135	0
toxaphene-5	2000	2007.553	-	-0.4	20	128	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Pesticides

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576		
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000		
Instrument ID	: PEST10	**Calibration Date**	: 12/01/25 08:47		
Lab File ID	: 10251201b-05	**Init. Calib. Date(s)**	: 11/17/25	11/19/25	
Sample No	: WG2147890-3	**Init. Calib. Times**	: 12:41	15:22	
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	1	1	-	0	20	127	0
toxaphene-1	0.021	0.023	-	-9.5	20	123	0
toxaphene-2	0.033	0.034	-	-3	20	124	0
toxaphene-4	0.037	0.038	-	-2.7	20	118	0
toxaphene-5	0.036	0.037	-	-2.8	20	130	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 01 Dec 2025   8:25
Operator : PEST10:akm
Sample   : wg2147890-1,42,,pest12308 (Sig #1); pest12308 (Sig #2)
Misc   : wg2147890,,ical22829
ALS Vial : 3 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 08:38:41 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:38:35 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	136	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.344	1.097	18.4	107	0.00
3	t	Hexachlorobenzene		1.568	1.175	25.1#	102	0.00
4	t	alpha-BHC		1.653	1.615	2.3	121	0.00
5	t	gamma-BHC (lindane)		1.589	1.393	12.3	116	0.00
6	t	beta-BHC		0.733	0.607	17.2	113	0.00
7	t	delta-BHC		1.491	1.475	1.1	124	0.00
8	t	Heptachlor		1.515	1.416	6.5	120	0.00
9	t	Aldrin		1.498	1.416	5.5	118	0.00
10	t	Alachlor		0.250	0.193	22.8#	97	0.00
11	t	Chlorpyrifos		0.703	0.683	2.8	135	0.00
12	t	Heptachlor Epoxide		1.344	1.270	5.5	122	0.00
13	t	gamma-Chlordane (trans)		1.491	1.327	11.0	114	0.00
14	t	alpha-Chlordane (cis)		1.488	1.388	6.7	121	0.00
15	t	4,4'-DDE		1.465	1.322	9.8	112	0.00
16	t	Endosulfan I		1.361	1.191	12.5	113	0.00
17	t	Dieldrin	*	50.000	45.461	9.1	118	0.00
18	t	Endrin		1.387	1.277	7.9	117	0.00
19	t	4,4'-DDD		1.144	1.086	5.1	120	0.00
20	t	Endosulfan II		1.271	1.109	12.7	113	0.00
21	t	4,4'-DDT		1.171	1.148	2.0	124	0.00
22	t	Endrin Aldehyde		0.985	0.785	20.3#	104	0.00
23	t	Methoxychlor		0.657	0.625	4.9	126	0.00
24	t	Mirex		1.114	0.955	14.3	119	0.00
25	t	Endosulfan Sulfate		1.169	1.018	12.9	116	0.00
26	t	Endrin Ketone		1.348	1.219	9.6	118	0.00
27	s	Decachlorobiphenyl		1.202	0.927	22.9#	106	0.00

Signal #2

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 01 Dec 2025   8:25
Operator : PEST10:akm
Sample   : wg2147890-1,42,,pest12308 (Sig #1); pest12308 (Sig #2)
Misc   : wg2147890,,ical22829
ALS Vial : 3 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 08:38:41 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:38:35 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	143	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.256	1.126	10.4	127	0.00
3	t	Hexachlorobenzene		1.384	1.195	13.7	125	0.00
4	t	alpha-BHC		1.661	1.646	0.9	130	0.00
5	t	gamma-BHC (lindane)		1.579	1.415	10.4	126	0.00
6	t	beta-BHC		0.740	0.610	17.6	120	0.00
7	t	delta-BHC		1.496	1.487	0.6	132	0.00
8	t	Heptachlor		1.444	1.429	1.0	136	0.00
9	t	Aldrin		1.471	1.441	2.0	132	0.00
10	t	Alachlor		0.227	0.199	12.3	120	0.00
11	t	Chlorpyrifos		0.706	0.695	1.6	143	0.00
12	t	Heptachlor Epoxide		1.320	1.307	1.0	137	0.00
13	t	gamma-Chlordane (trans)		1.434	1.356	5.4	130	0.00
14	t	alpha-Chlordane (cis)		1.424	1.430	-0.4	138	0.00
15	t	4,4'-DDE		1.383	1.345	2.7	128	0.00
16	t	Endosulfan I		1.298	1.219	6.1	128	0.00
17	t	Dieldrin		1.472	1.360	7.6	135	0.00
18	t	Endrin		1.295	1.290	0.4	135	0.00
19	t	4,4'-DDD		1.035	1.094	-5.7	142	0.00
20	t	Endosulfan II		1.165	1.140	2.1	134	0.00
21	t	4,4'-DDT		1.048	1.216	-16.0	160#	0.00
22	t	Endrin Aldehyde		0.905	0.808	10.7	122	0.00
23	t	Methoxychlor		0.580	0.624	-7.6	154#	0.00
24	t	Mirex		0.994	0.973	2.1	146	0.00
25	t	Endosulfan Sulfate		1.085	1.053	2.9	137	0.00
26	t	Endrin Ketone		1.225	1.285	-4.9	147	0.00
27	s	Decachlorobiphenyl		1.086	1.059	2.5	140	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 01 Dec 2025   8:25
Operator : PEST10:akm
Sample   : wg2147890-1,42,,pest12308 (Sig #1); pest12308 (Sig #2)
Misc   : wg2147890,,ical22829
ALS Vial : 3 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 08:38:41 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:38:35 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.35#
29	l1	chlordane-1		0.050	0.000	100.0#	0#	-2.51#
30	l1	chlordane-3		0.063	0.000	100.0#	0#	-2.94#
31	l1	chlordane-4		0.205	0.000	100.0#	0#	-3.51#
32	l1	chlordane-5		0.317	0.000	100.0#	0#	-3.63#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.35#
34	l2	toxaphene-1		*2000.000	0.000	100.0#	0	-4.54#
35	l2	toxaphene-2		*2000.000	0.000	100.0#	0	-4.66#
36	l2	toxaphene-4		*2000.000	0.000	100.0#	0	-5.07#
37	l2	toxaphene-5		*2000.000	0.000	100.0#	0	-5.25#

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.41#
29	l1	chlordane-1		0.049	0.000	100.0#	0#	-2.87#
30	l1	chlordane-3		0.058	0.000	100.0#	0#	-3.48#
31	l1	chlordane-4		0.184	0.000	100.0#	0#	-4.17#
32	l1	chlordane-5		0.149	0.000	100.0#	0#	-4.34#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.41#
34	l2	toxaphene-1		0.021	0.000	100.0#	0#	-5.14#
35	l2	toxaphene-2		0.033	0.000	100.0#	0#	-5.17#
36	l2	toxaphene-4		0.037	0.000	100.0#	0#	-5.49#
37	l2	toxaphene-5		0.036	0.000	100.0#	0#	-5.89#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Dec 2025 8:25
Operator : PEST10:akm
Sample : wg2147890-1,42,,pest12308 (Sig #1); pest12308 (Sig #2)
Misc : wg2147890,,ical22829
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 08:38:41 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:38:35 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.345	1.406	87242259	86011801	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.694	1.889	191.5E6	193.7E6	40.823M4	44.825M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		81.65%	89.65%
27) s	Decachlorobi	6.356	6.970	161.8E6	182.2E6	38.577M4	48.749M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		77.15%	97.50%
	Target Compounds						
3) t	Hexachlorobe	1.913	2.215	205.0E6	205.5E6	37.469M4	43.177M4
4) t	alpha-BHC	2.014	2.311	281.8E6	283.2E6	48.840M4	49.570M4
5) t	gamma-BHC (l	2.221	2.601	243.1E6	243.4E6	43.835M4	44.802M4
6) t	beta-BHC	2.277	2.665	106.0E6	104.9E6	41.392M4	41.197M4
7) t	delta-BHC	2.409	2.936	257.3E6	255.8E6	49.470M4	49.695M4
8) t	Heptachlor	2.574	3.004	247.1E6	245.8E6	46.732M4	49.468
9) t	Aldrin	2.822	3.327	247.1E6	247.9E6	47.284M4	48.979M4
10) t	Alachlor	2.945	3.207	33689896	34192185	38.602M3	43.839M4
11) t	Chlorpyrifos	3.037	3.565	119.1E6	119.6E6	48.565M4	49.205M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Dec 2025 8:25
Operator : PEST10:akm
Sample : wg2147890-1,42,,pest12308 (Sig #1); pest12308 (Sig #2)
Misc : wg2147890,,ical22829
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 08:38:41 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:38:35 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.377	3.950	221.6E6	224.8E6	47.243M4	49.515M4
13)	t	gamma-Chlord	3.502	4.172	231.5E6	233.3E6	44.483M4	47.270M4
14)	t	alpha-Chlord	3.639	4.339	242.3E6	245.9E6	46.649M4	50.196M4
15)	t	4,4'-DDE	3.735	4.532	230.7E6	231.3E6	45.106M4	48.614M4
16)	t	Endosulfan I	3.779	4.400	207.9E6	209.7E6	43.761M4	46.968
17)	t	Dieldrin	4.042	4.688	231.7E6	234.0E6	45.461M4	46.192M3
18)	t	Endrin	4.298	4.982	222.8E6	221.9E6	46.037M4	49.813M4
19)	t	4,4'-DDD	4.402	5.102	189.4E6	188.3E6	47.463M4	52.875M4
20)	t	Endosulfan I	4.534	5.179	193.5E6	196.0E6	43.606M4	48.909M4
21)	t	4,4'-DDT	4.691	5.378	200.3E6	209.1E6	48.991M4	57.982M4
22)	t	Endrin Aldeh	4.946	5.474	137.0E6	139.0E6	39.851M3	44.630M4
23)	t	Methoxychlor	5.172	5.939	109.1E6	107.4E6	47.588M4	53.855M4
24)	t	Mirex	5.233	6.080	166.7E6	167.5E6	42.877M4	48.985
25)	t	Endosulfan S	5.335	5.702	177.7E6	181.2E6	43.561M4	48.525M4
26)	t	Endrin Keton	5.562	6.113	212.8E6	221.1E6	45.224M4	52.451M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Dec 2025 8:25
Operator : PEST10:akm
Sample : wg2147890-1,42,,pest12308 (Sig #1); pest12308 (Sig #2)
Misc : wg2147890,,ical22829
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 08:38:41 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:38:35 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

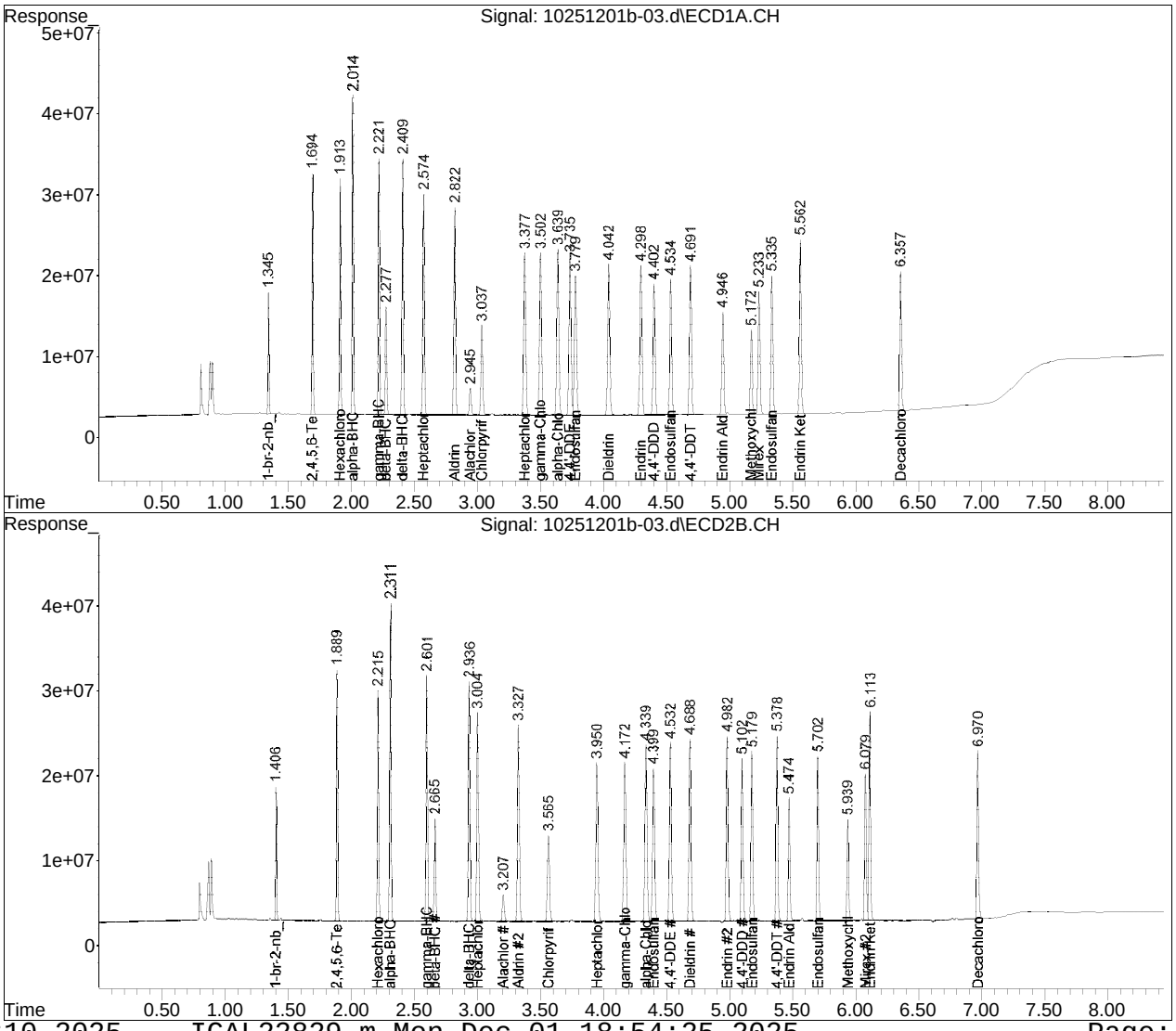
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Dec 2025 8:25
Operator : PEST10:akm
Sample : wg2147890-1,42,,pest12308 (Sig #1); pest12308 (Sig #2)
Misc : wg2147890,,ical22829
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 08:38:41 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:38:35 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

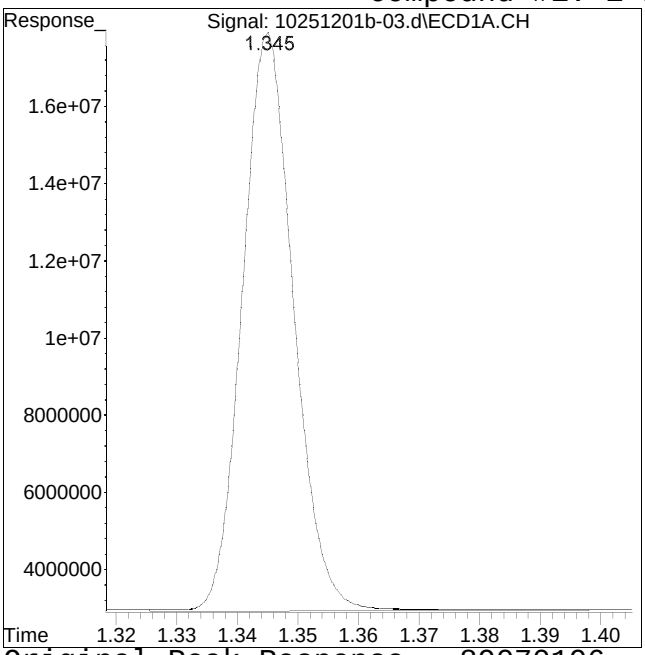


Manual Integration Report

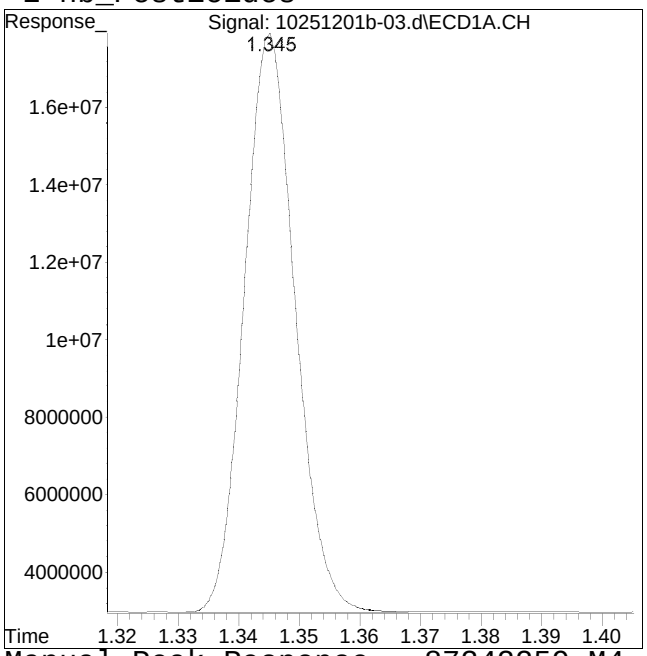
Data Path : I:\PEST\Pest10\2025\251201Q
Data File : 10251201b-03.d
Date Inj'd : 12/1/2025 8:25
Sample : wg2147890-1,42,,pest12308

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 12/1/2025 8:38 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 89070196



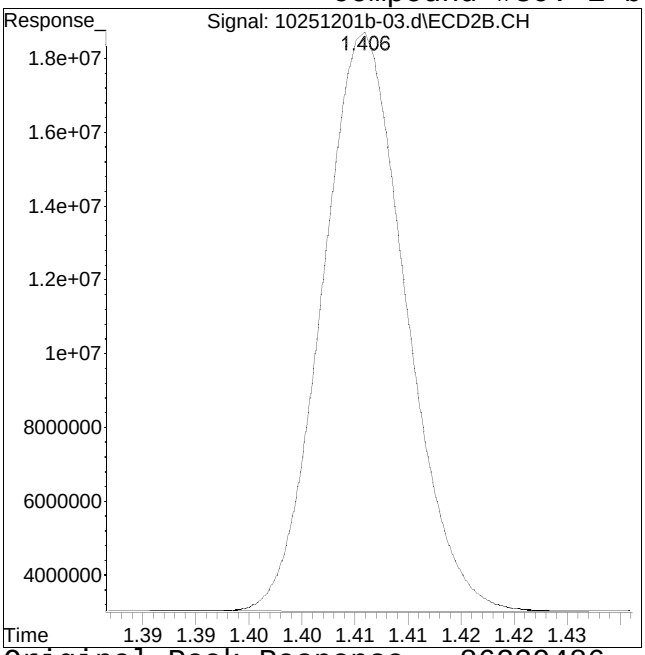
Manual Peak Response = 87242259 M4

M4 = Poor automated baseline construction.

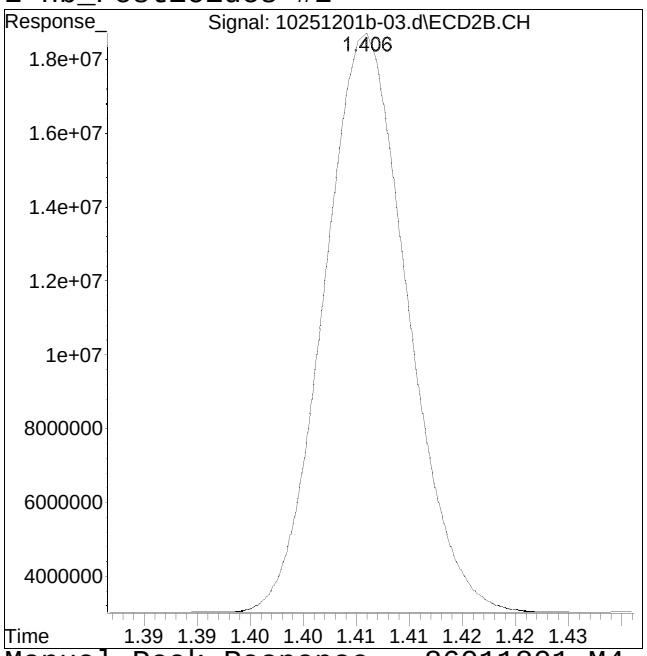
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 86239486



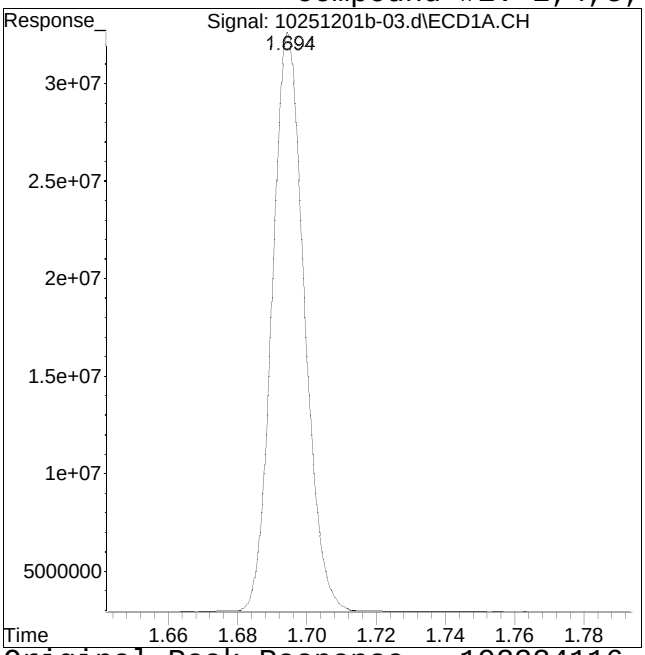
Manual Peak Response = 86011801 M4

M4 = Poor automated baseline construction.

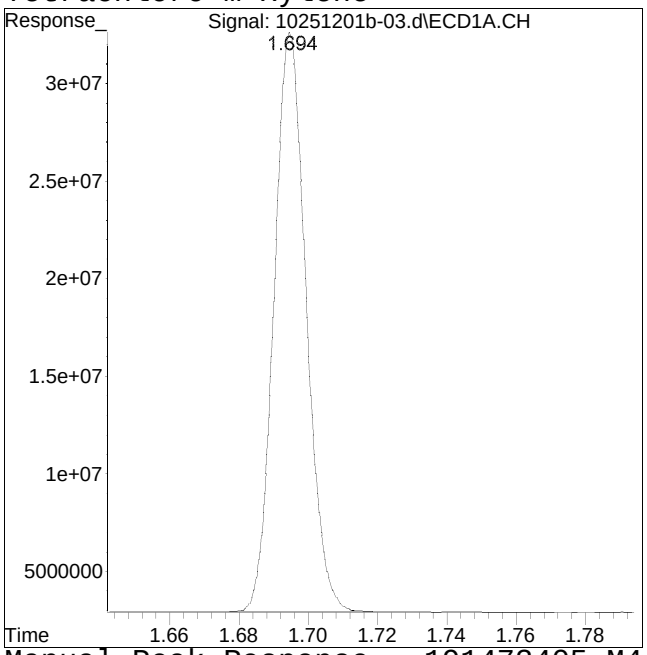
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 192324116



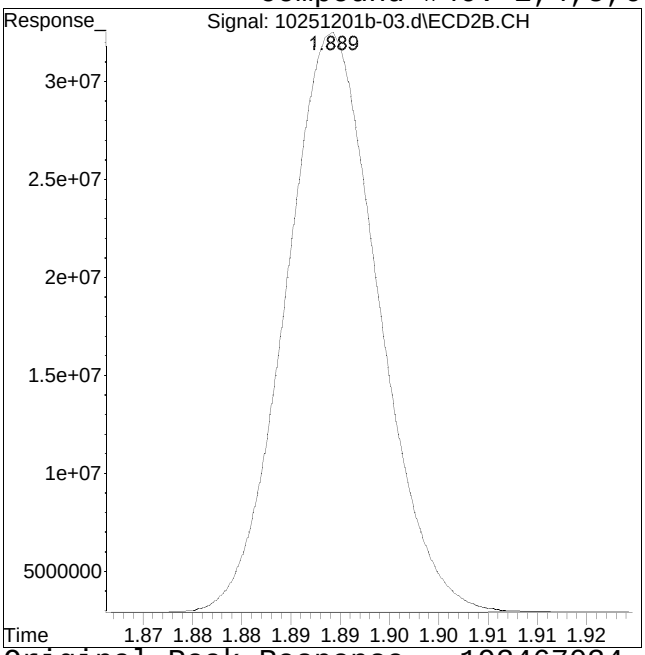
Manual Peak Response = 191473405 M4

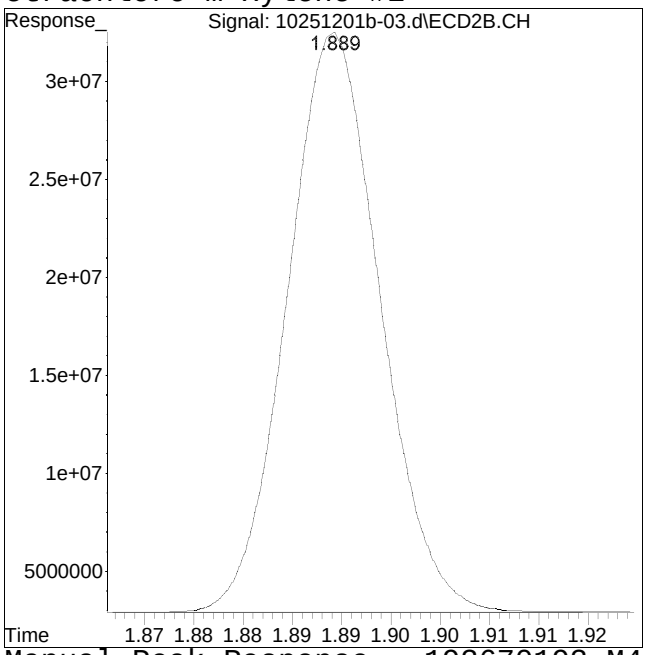
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



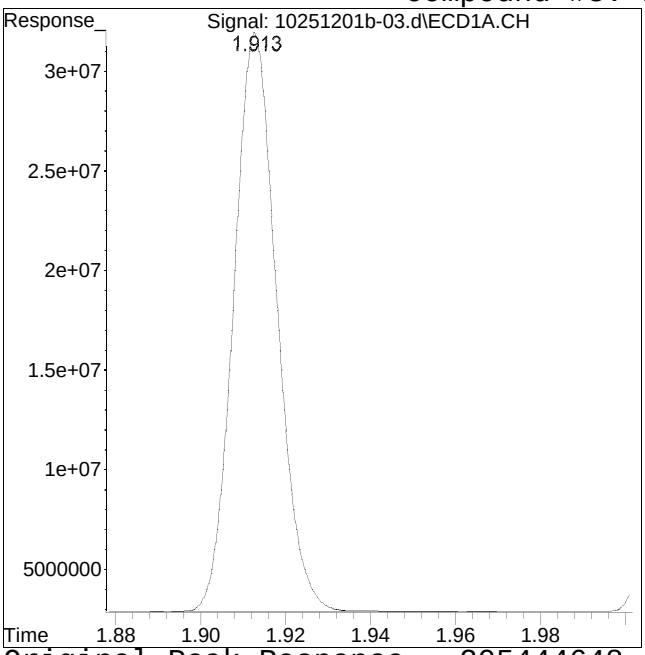


Original Peak Response = 193467034 Manual Peak Response = 193670193 M4
M4 = Poor automated baseline construction.

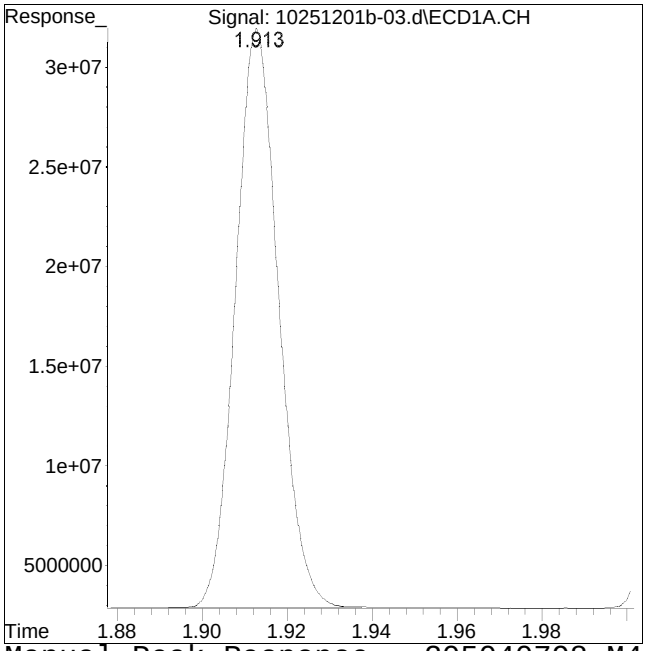
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #3: Hexachlorobenzene



Original Peak Response = 205444648



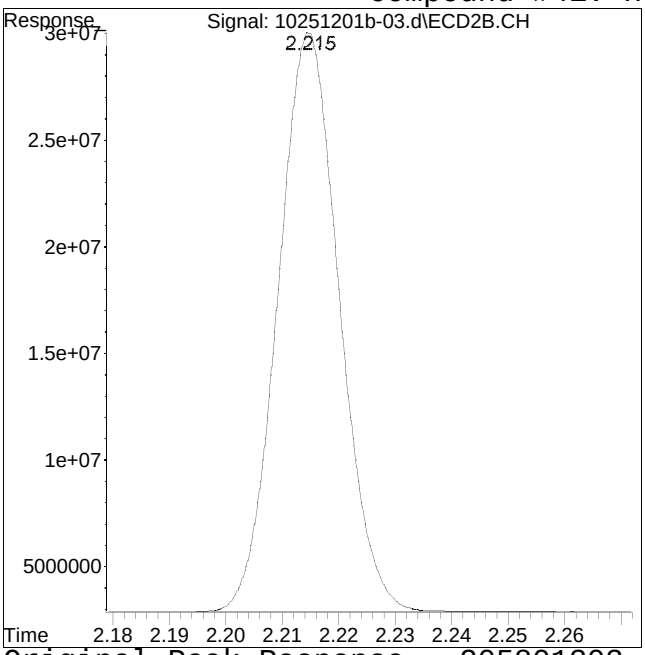
Manual Peak Response = 205040798 M4

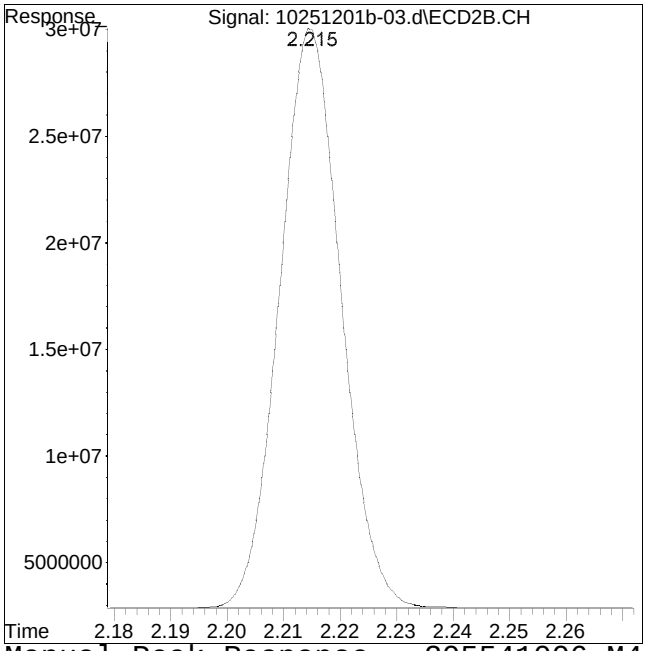
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #41: Hexachlorobenzene #2



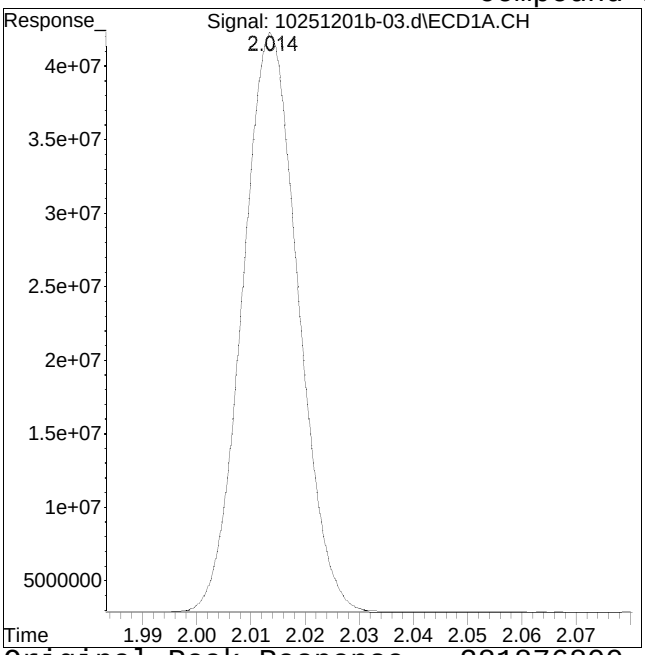


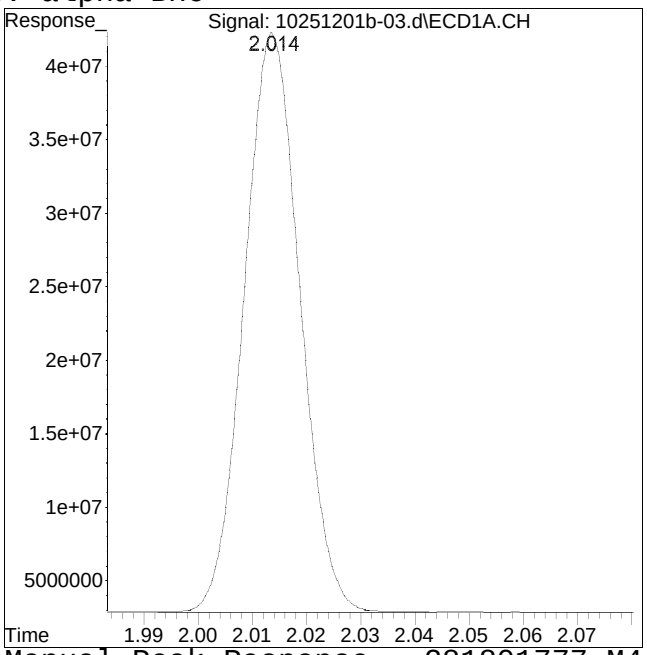
Original Peak Response = 205801303 Manual Peak Response = 205541006 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #4: alpha-BHC



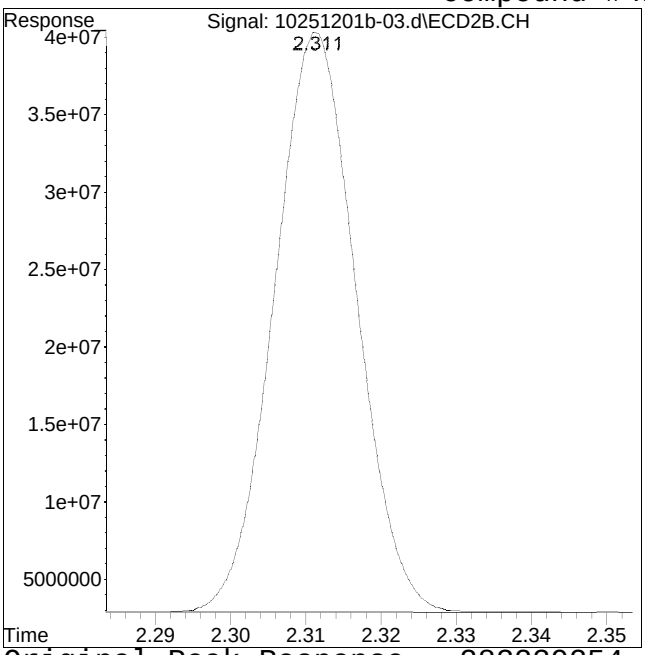


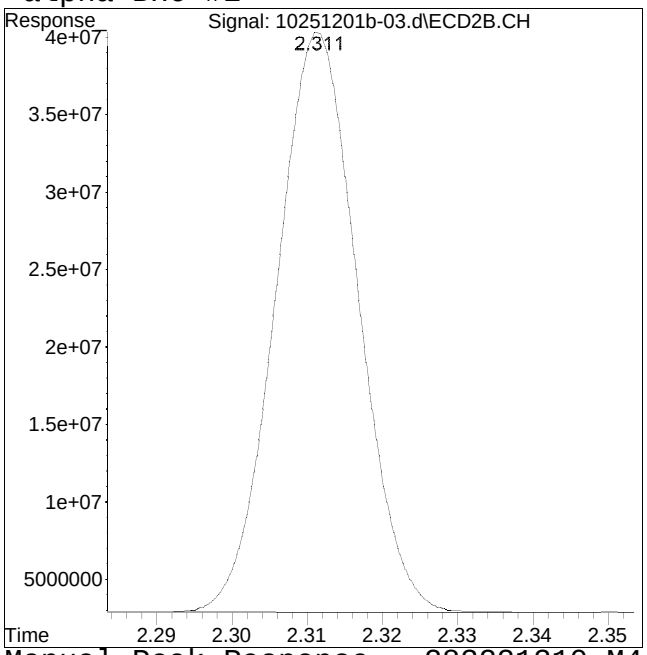
Original Peak Response = 281876800 Manual Peak Response = 281801777 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #42: alpha-BHC #2



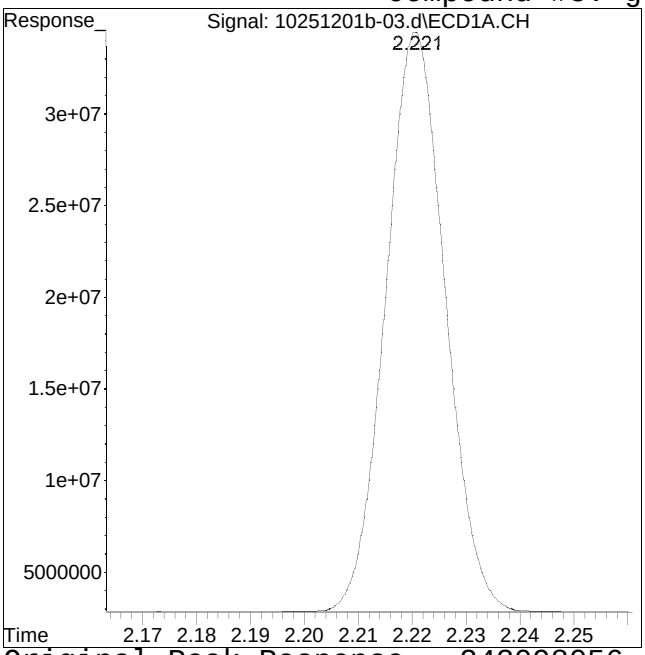


Original Peak Response = 283239254 Manual Peak Response = 283221310 M4
M4 = Poor automated baseline construction.

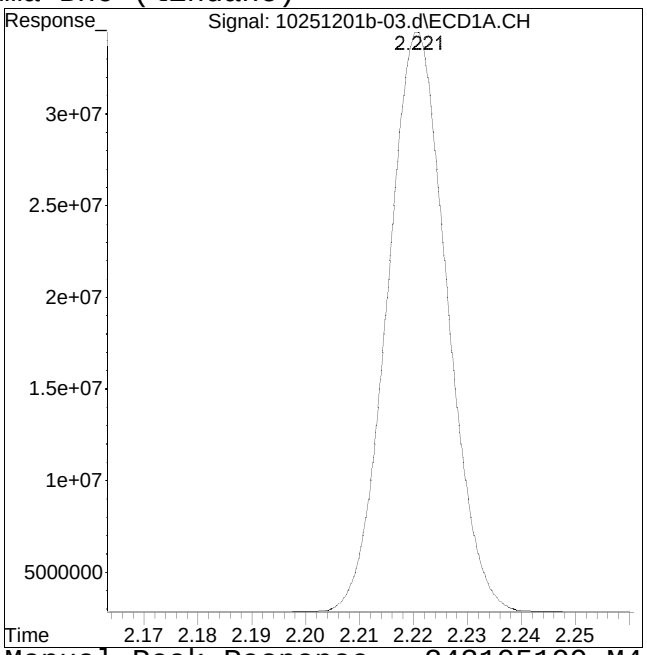
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #5: gamma-BHC (lindane)



Original Peak Response = 243098056



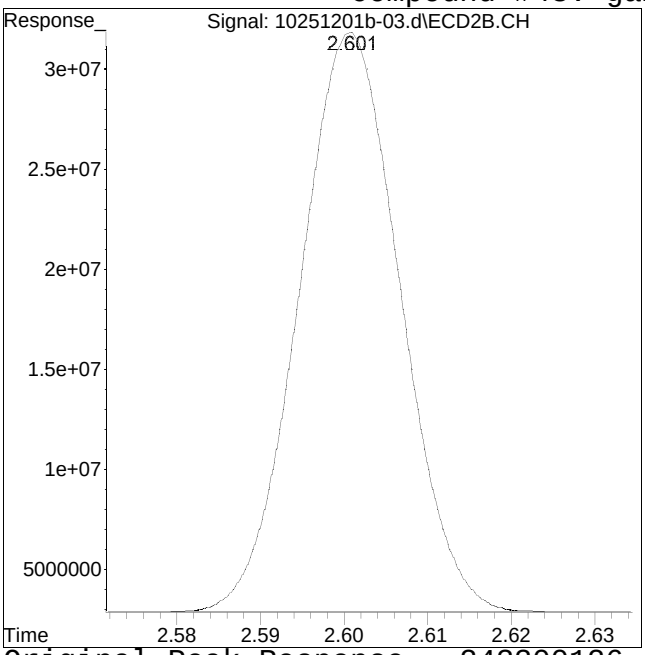
Manual Peak Response = 243105199 M4

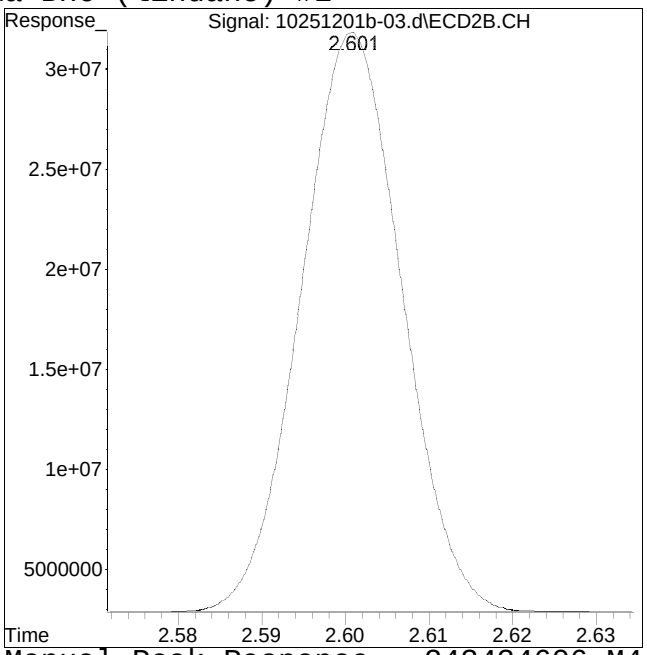
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #43: gamma-BHC (lindane) #2



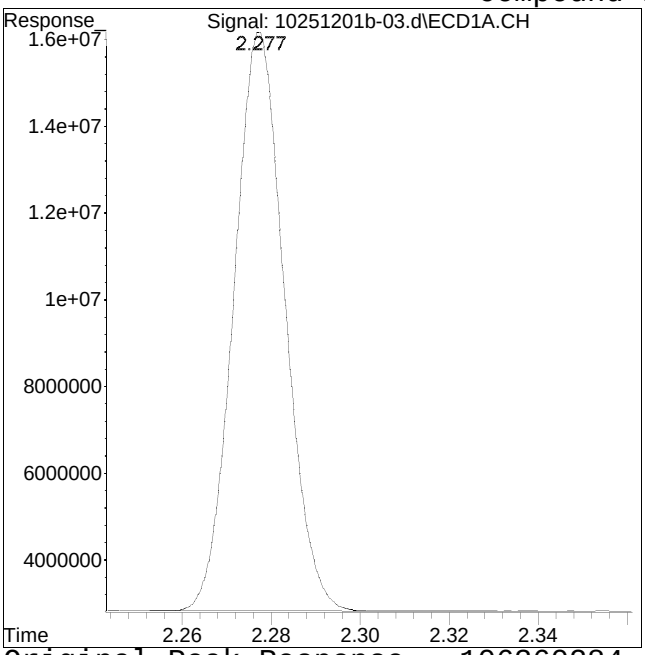


Original Peak Response = 243300126 Manual Peak Response = 243434606 M4
M4 = Poor automated baseline construction.

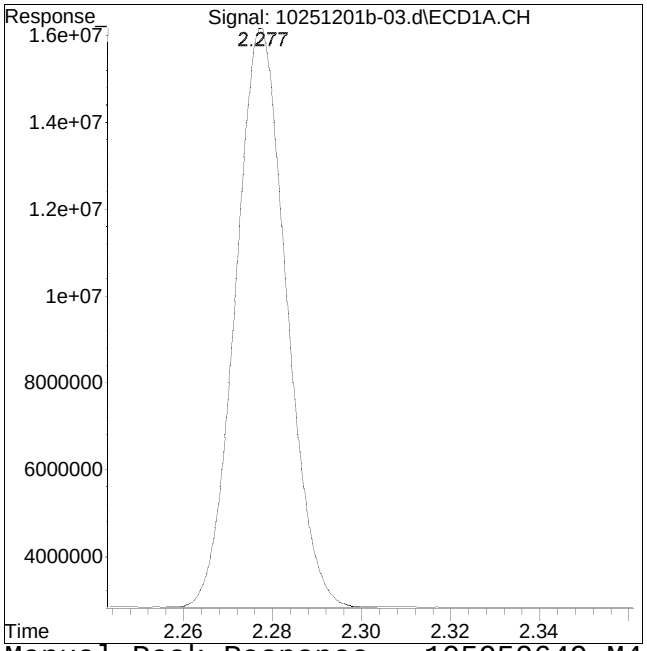
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #6: beta-BHC



Original Peak Response = 106360284



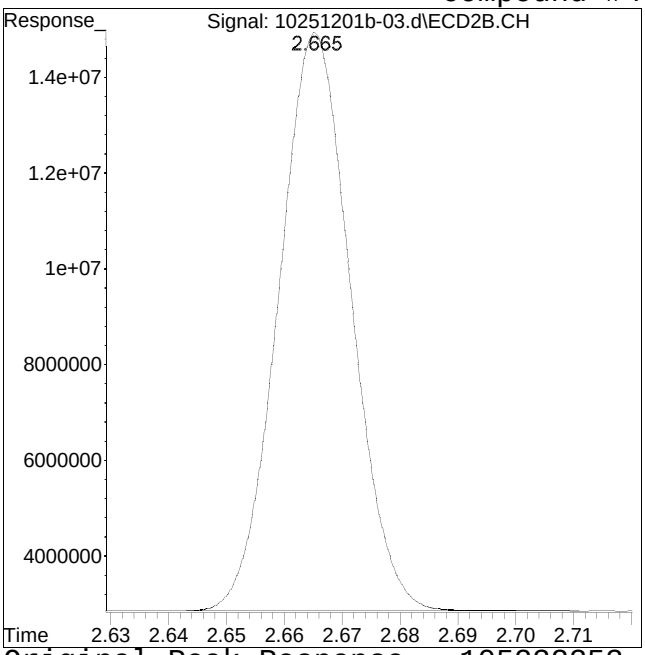
Manual Peak Response = 105950649 M4

M4 = Poor automated baseline construction.

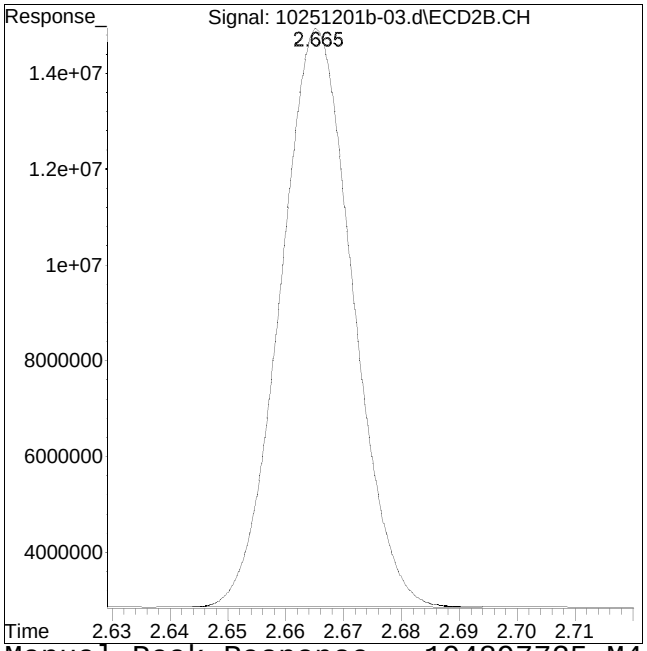
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #44: beta-BHC #2



Original Peak Response = 105232353



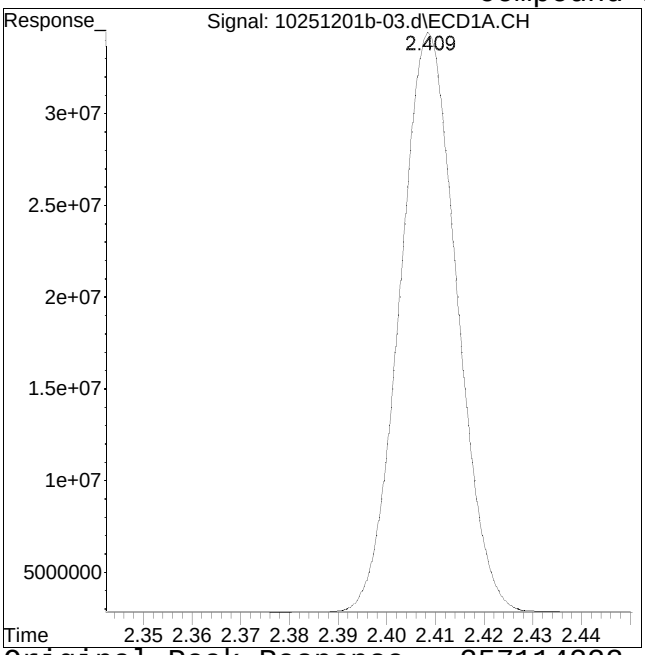
Manual Peak Response = 104897725 M4

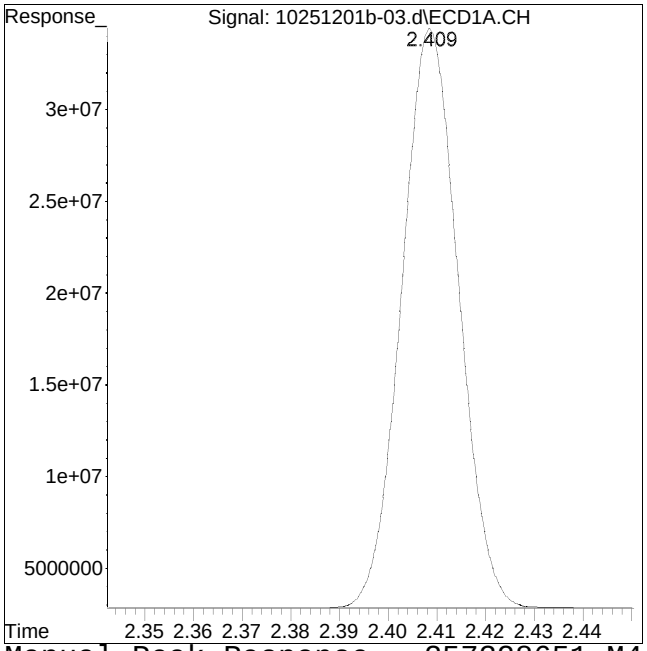
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #7: delta-BHC



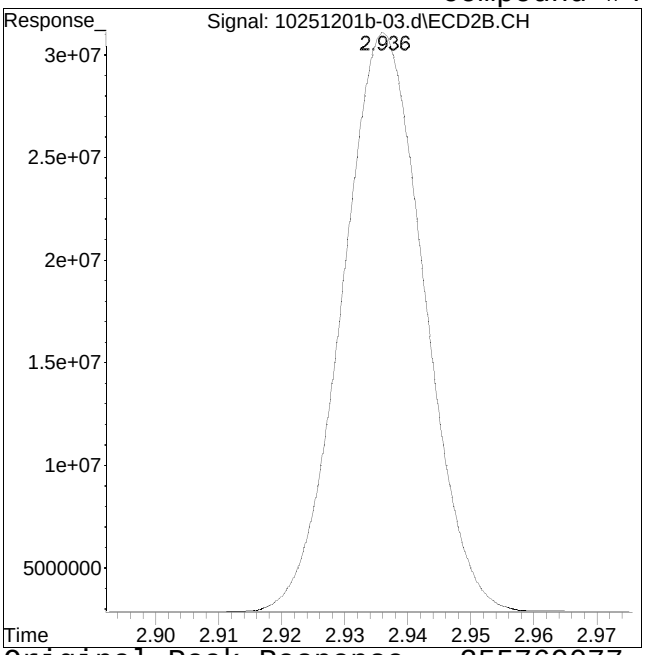


Original Peak Response = 257114222 Manual Peak Response = 257328651 M4
M4 = Poor automated baseline construction.

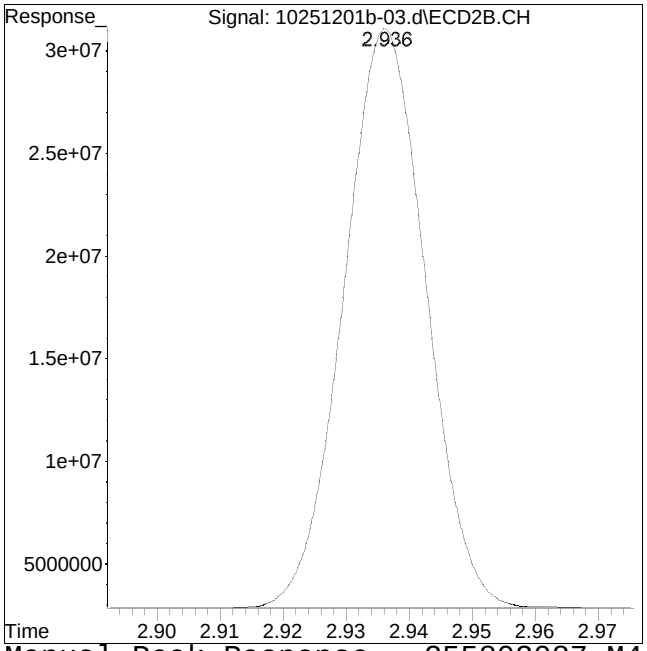
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #45: delta-BHC #2



Original Peak Response = 255769077



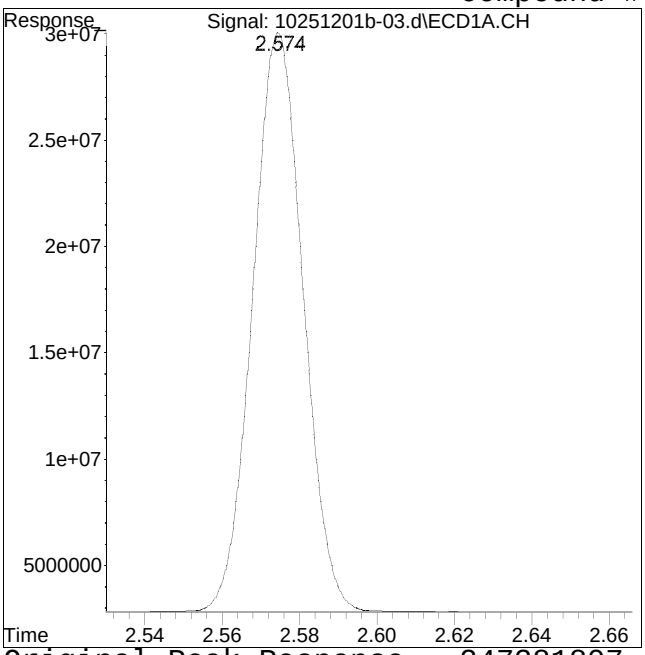
Manual Peak Response = 255802087 M4

M4 = Poor automated baseline construction.

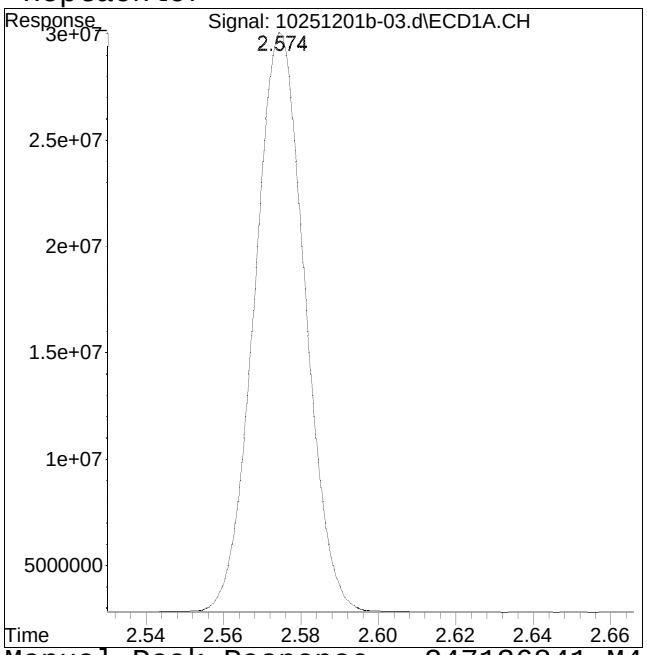
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #8: Heptachlor



Original Peak Response = 247381807



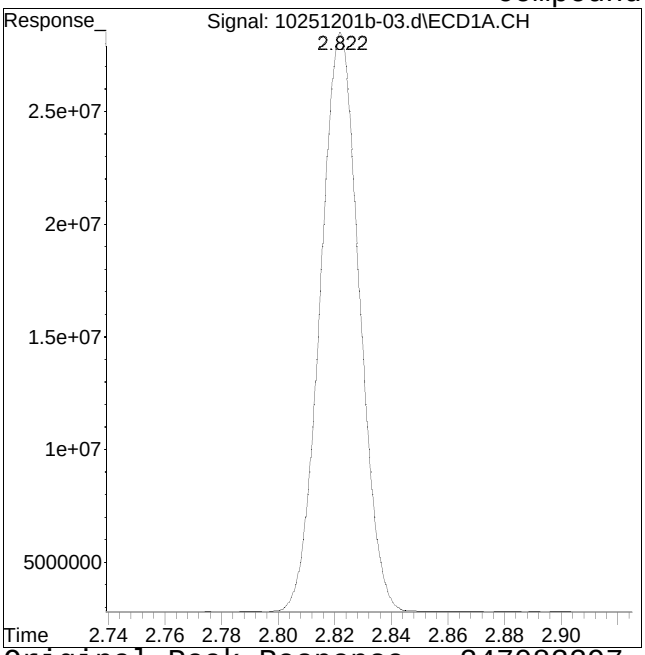
Manual Peak Response = 247136841 M4

M4 = Poor automated baseline construction.

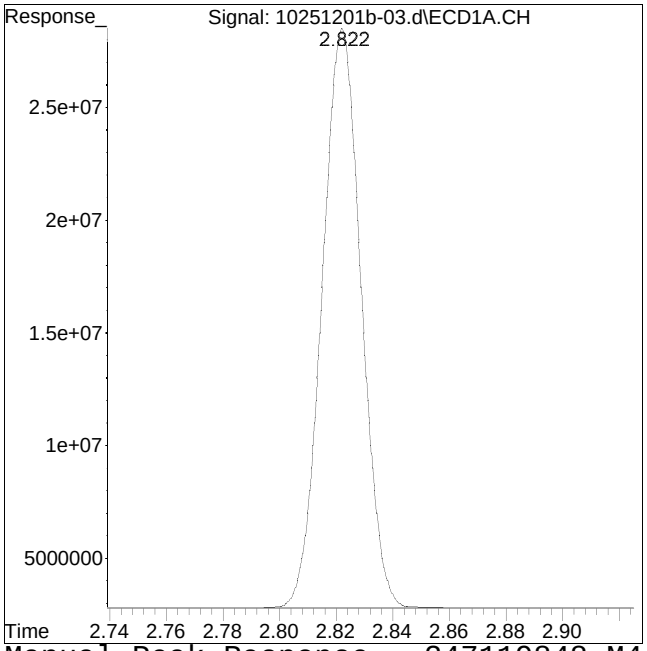
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #9: Aldrin



Original Peak Response = 247083397



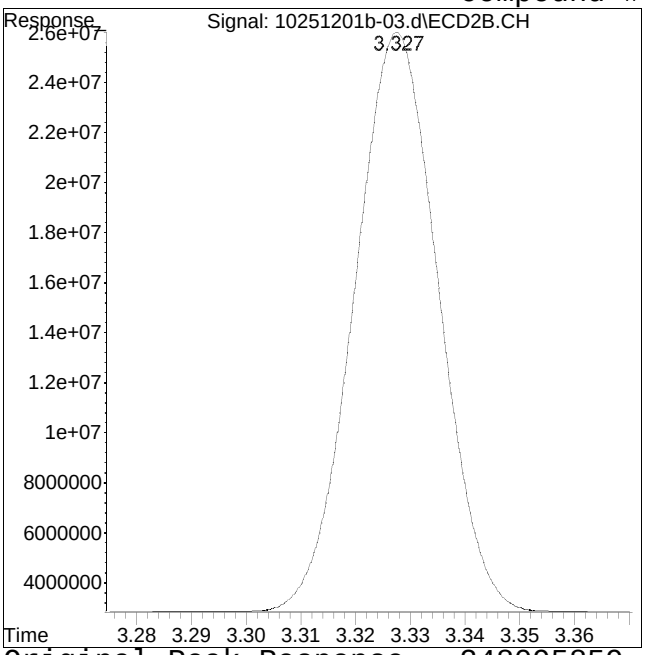
Manual Peak Response = 247119848 M4

M4 = Poor automated baseline construction.

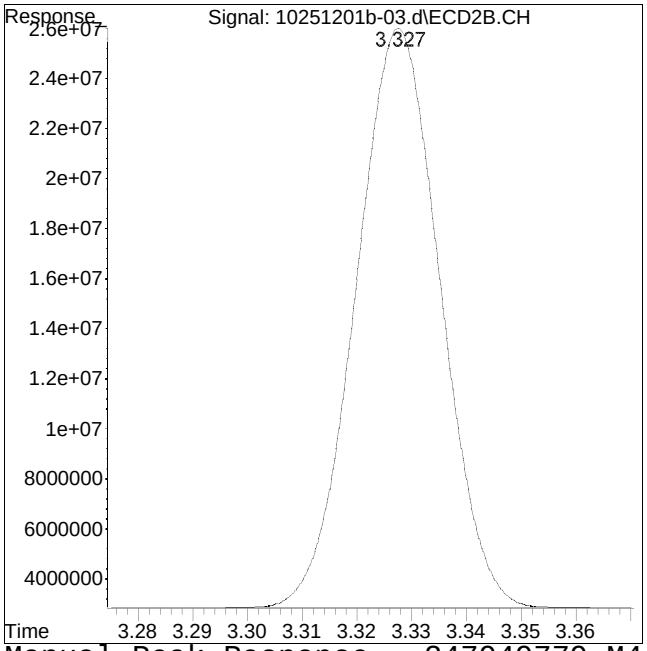
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #47: Aldrin #2



Original Peak Response = 248095859



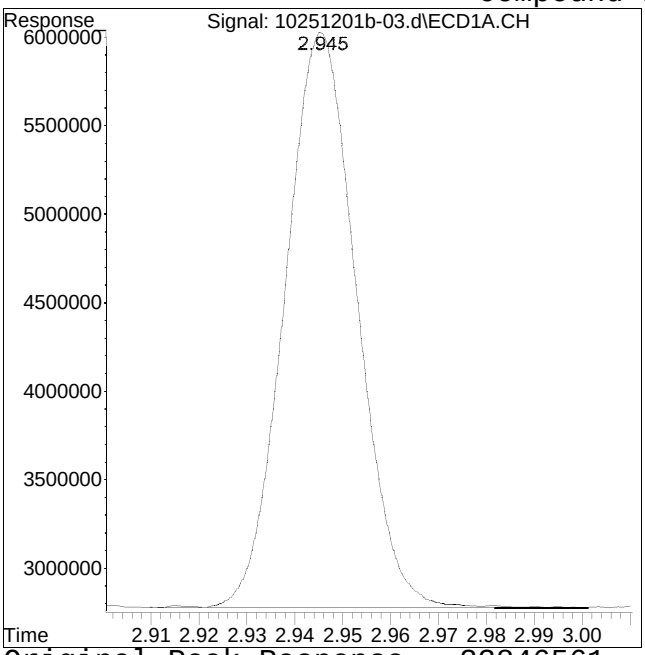
Manual Peak Response = 247949779 M4

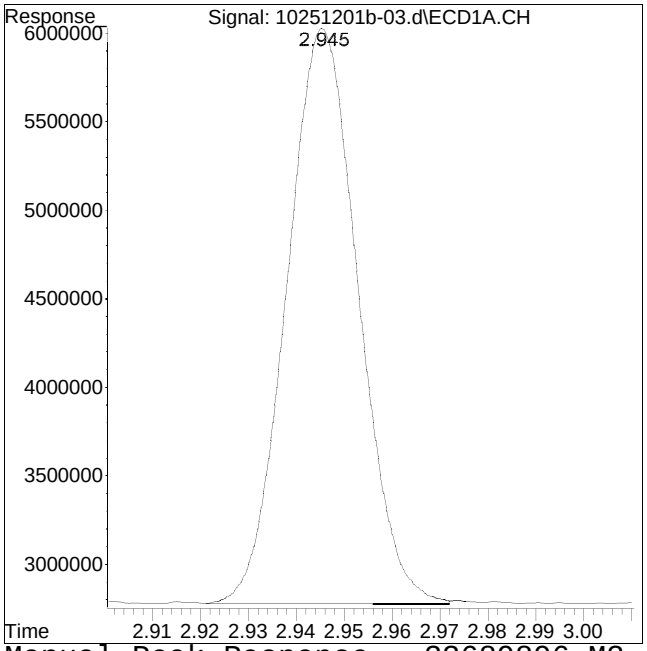
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #10: Alachlor



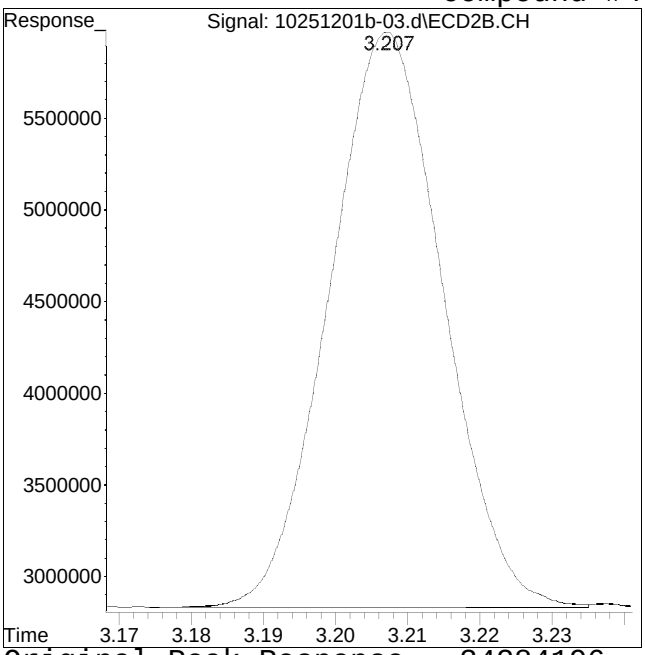


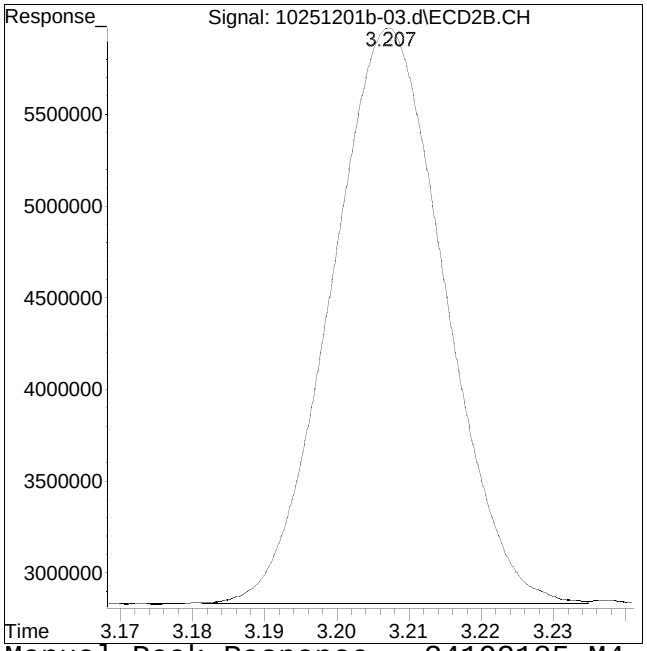
Original Peak Response = 33846561 Manual Peak Response = 33689896 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #48: Alachlor #2



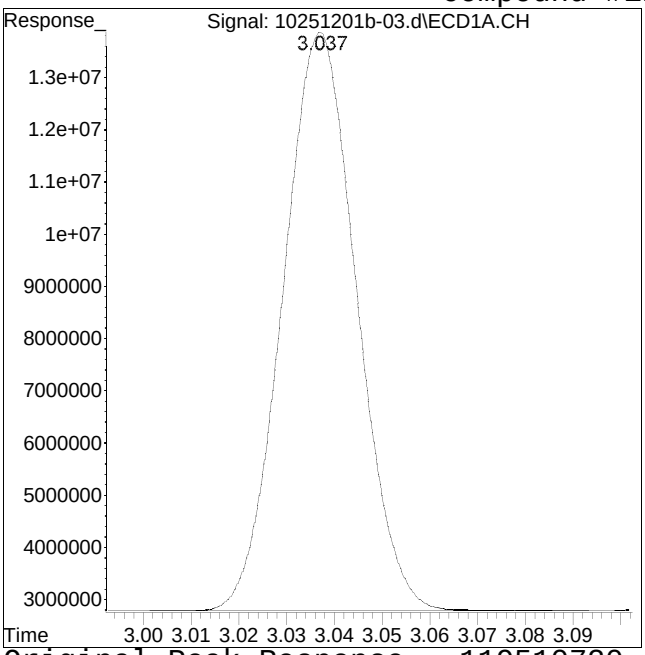


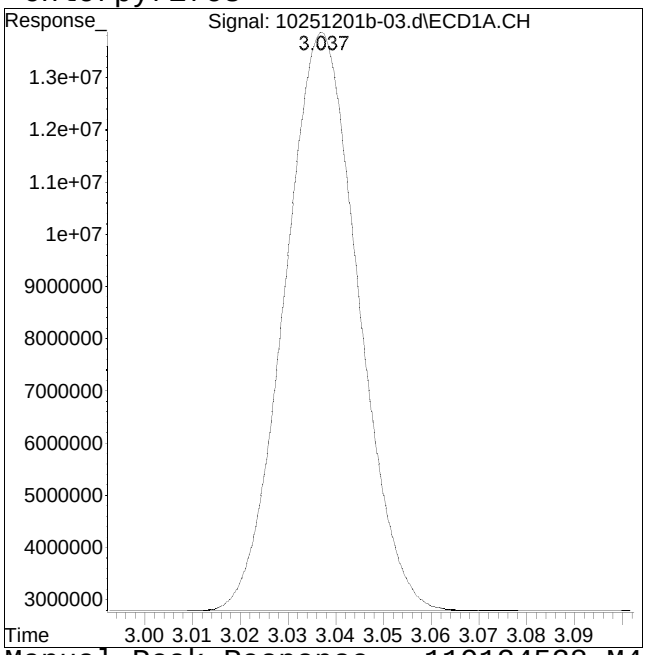
Original Peak Response = 34284196 Manual Peak Response = 34192185 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #11: Chlorpyrifos



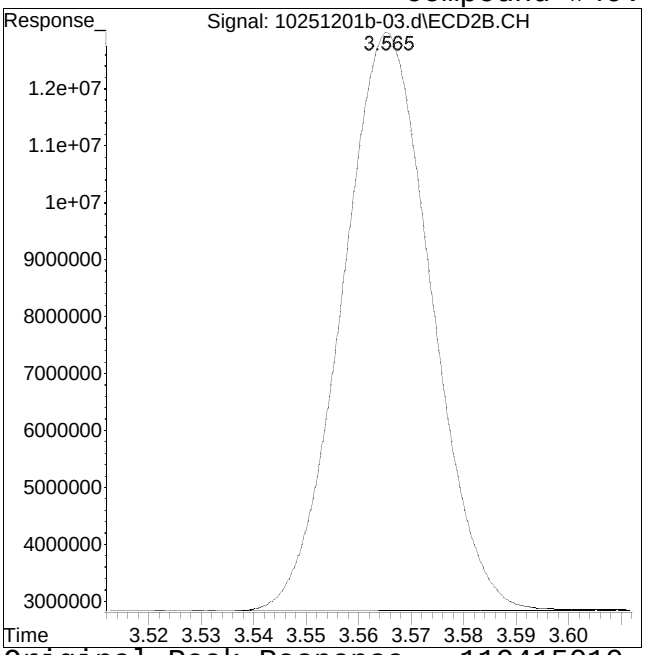


Original Peak Response = 119510720 Manual Peak Response = 119124538 M4
M4 = Poor automated baseline construction.

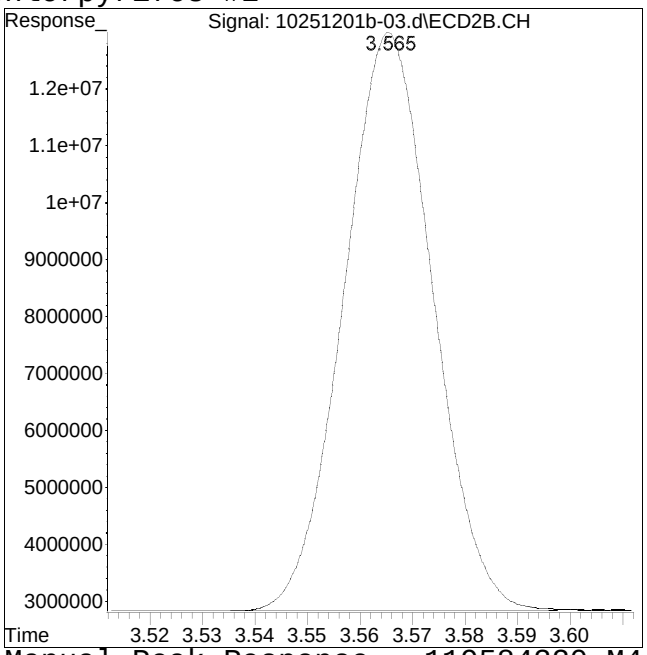
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 119415010



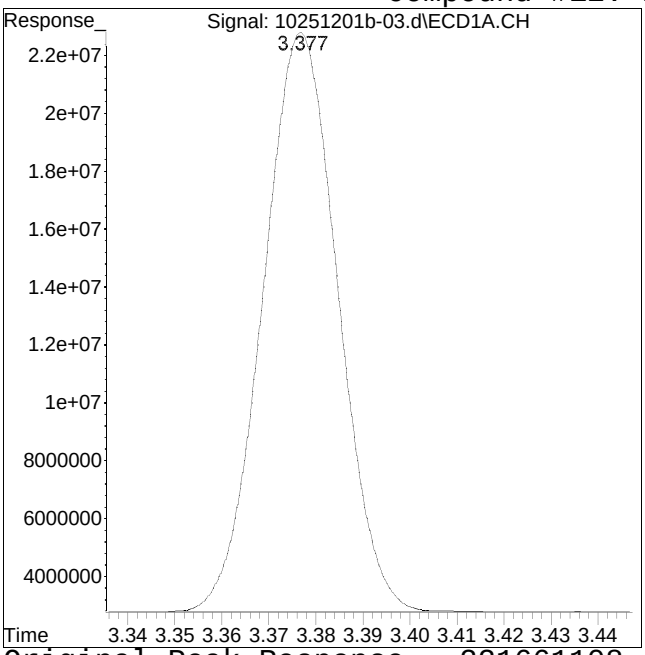
Manual Peak Response = 119584320 M4

M4 = Poor automated baseline construction.

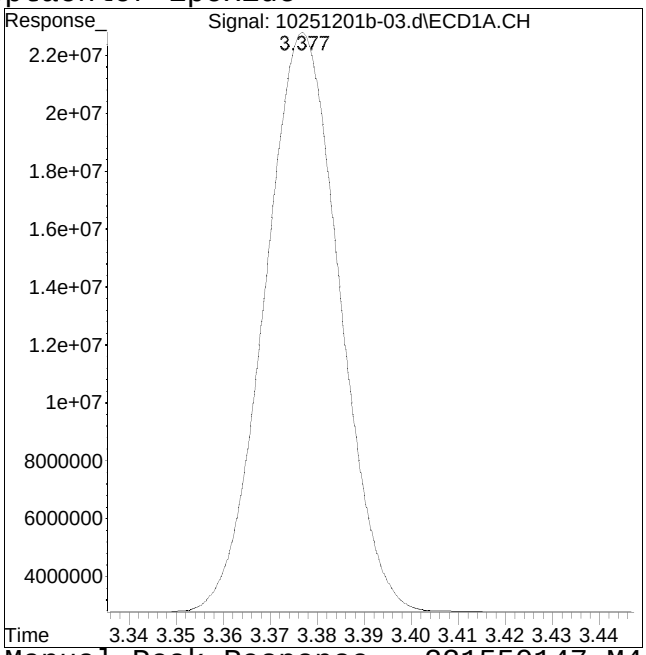
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #12: Heptachlor Epoxide



Original Peak Response = 221661108



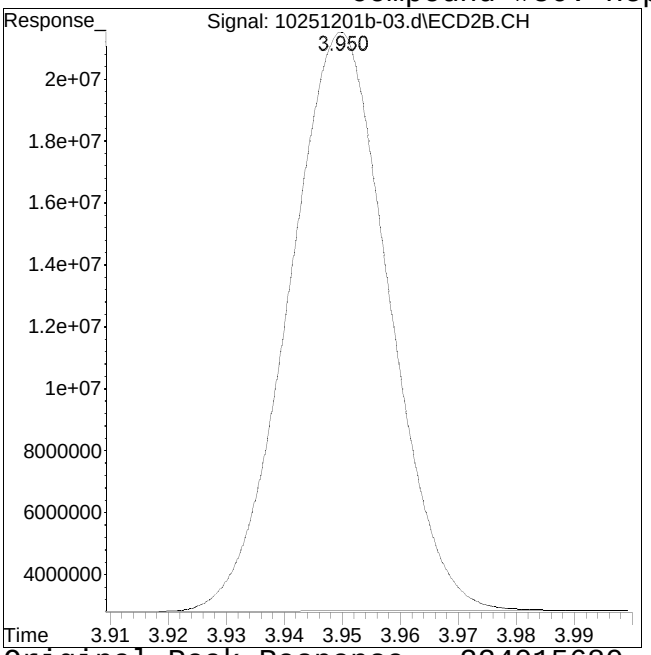
Manual Peak Response = 221550147 M4

M4 = Poor automated baseline construction.

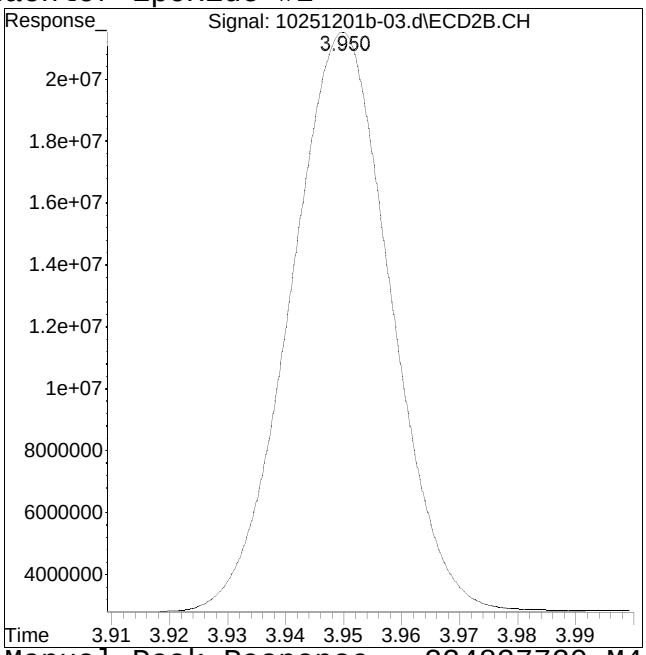
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 224015680



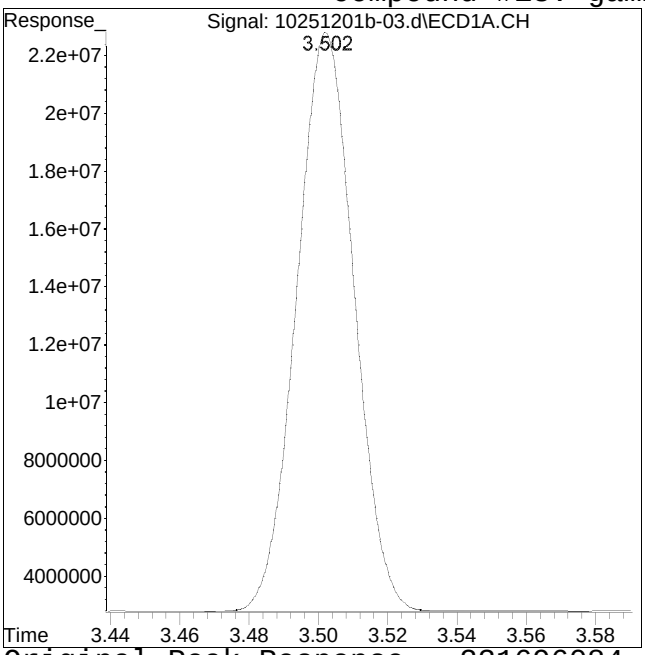
Manual Peak Response = 224837720 M4

M4 = Poor automated baseline construction.

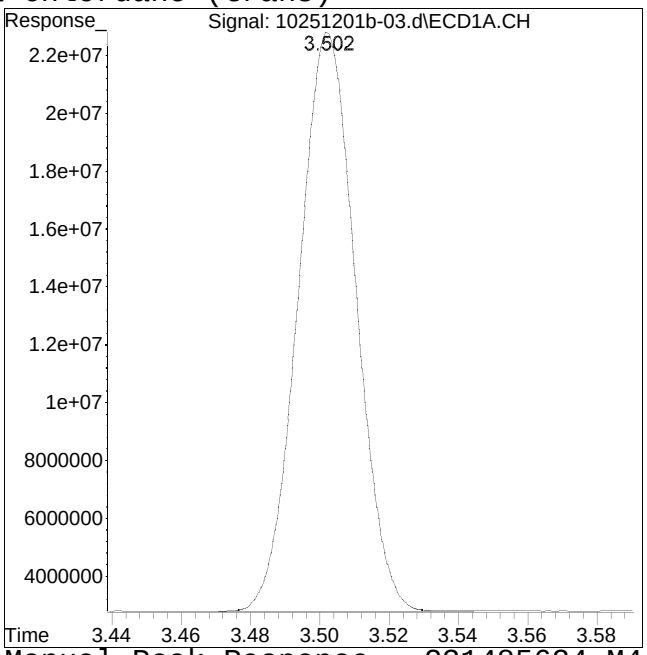
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 231696084



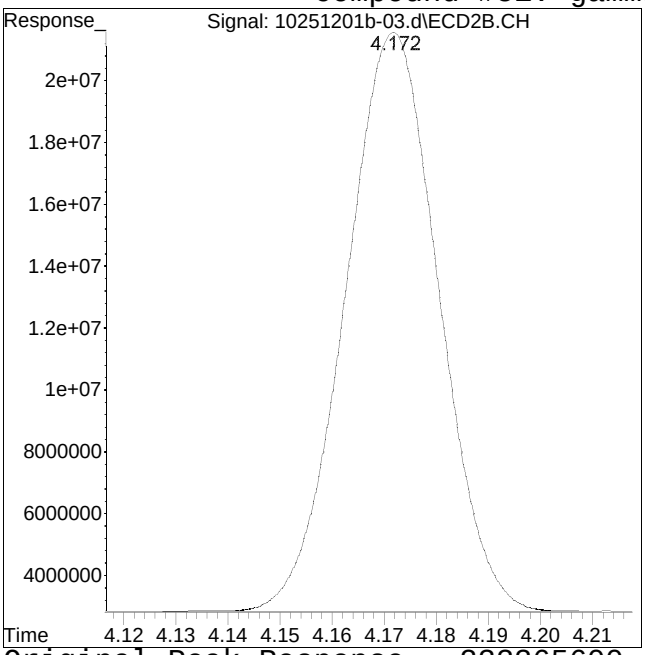
Manual Peak Response = 231485624 M4

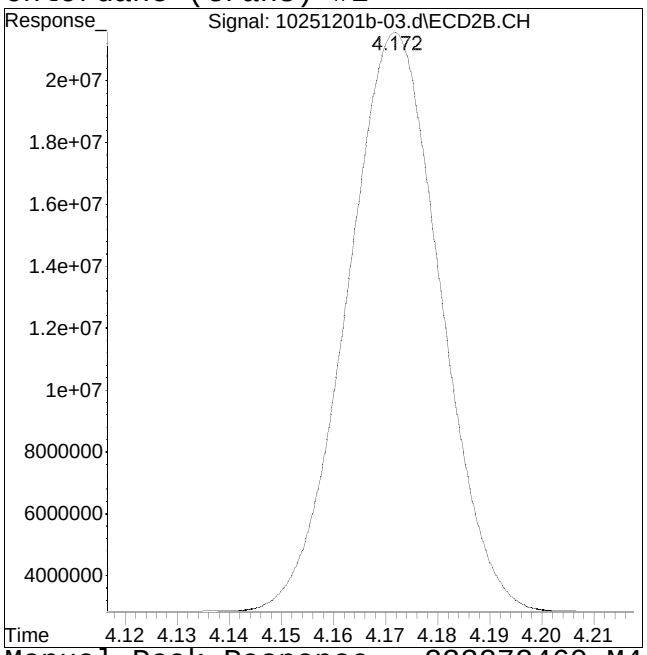
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #51: gamma-Chlordane (trans) #2



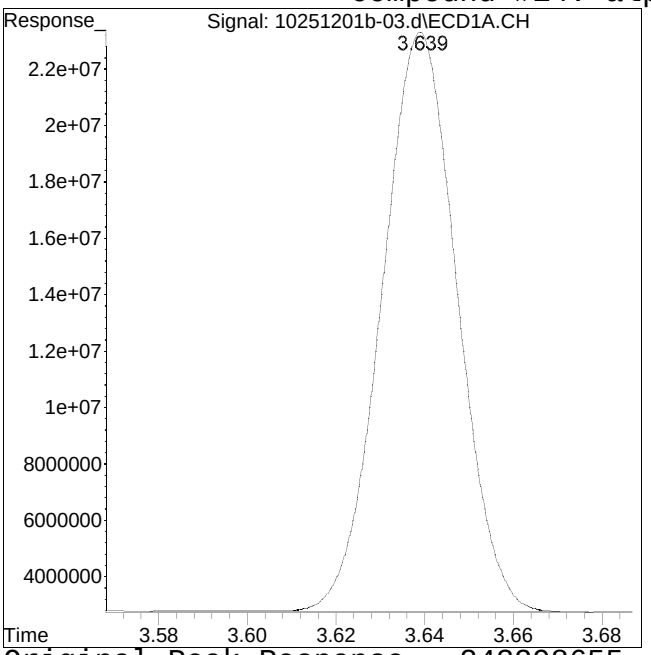


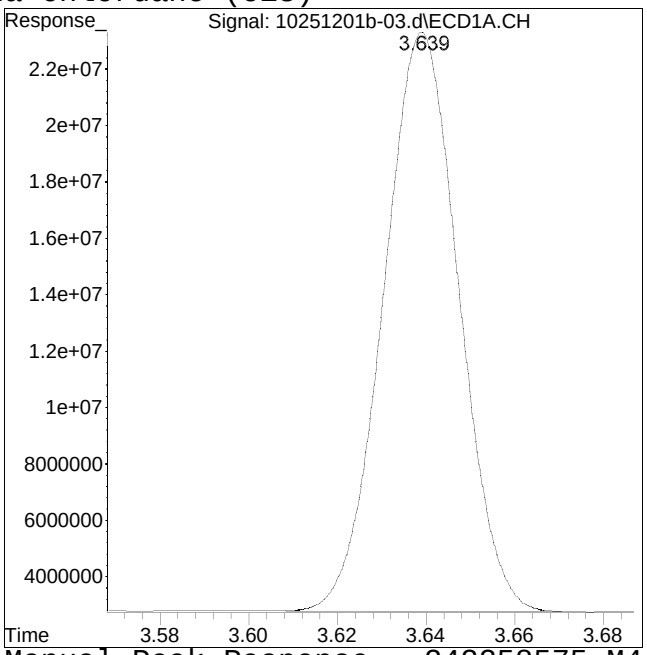
Original Peak Response = 233365600 Manual Peak Response = 233272460 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #14: alpha-Chlordane (cis)



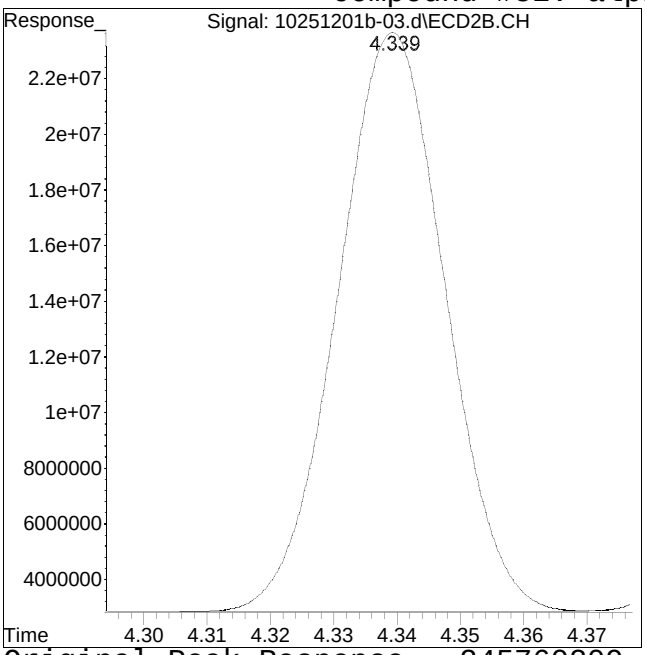


Original Peak Response = 243298655 Manual Peak Response = 242258575 M4
M4 = Poor automated baseline construction.

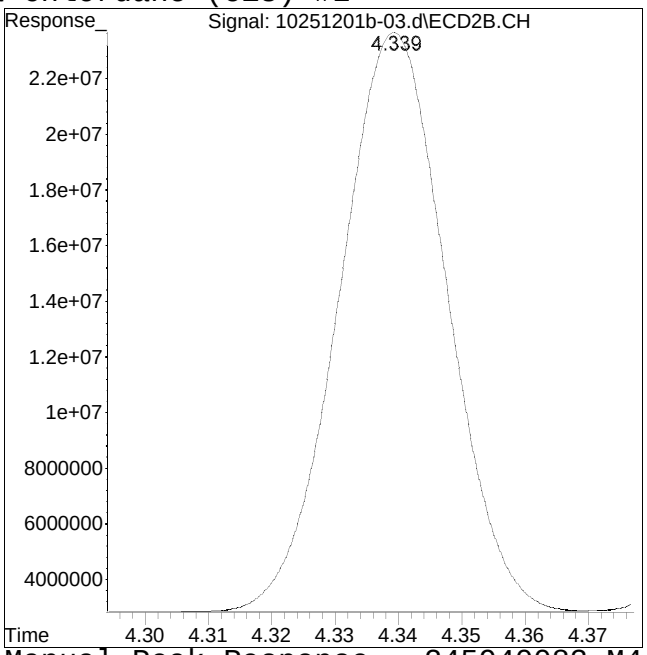
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 245760209



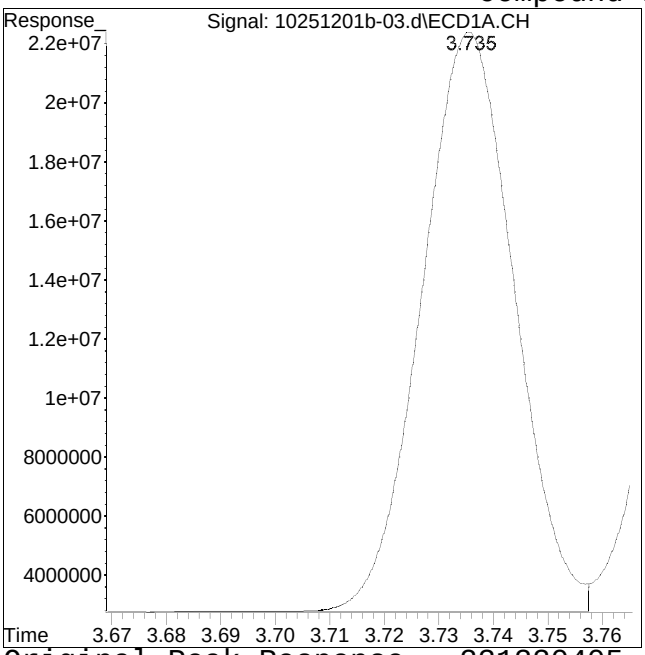
Manual Peak Response = 245940083 M4

M4 = Poor automated baseline construction.

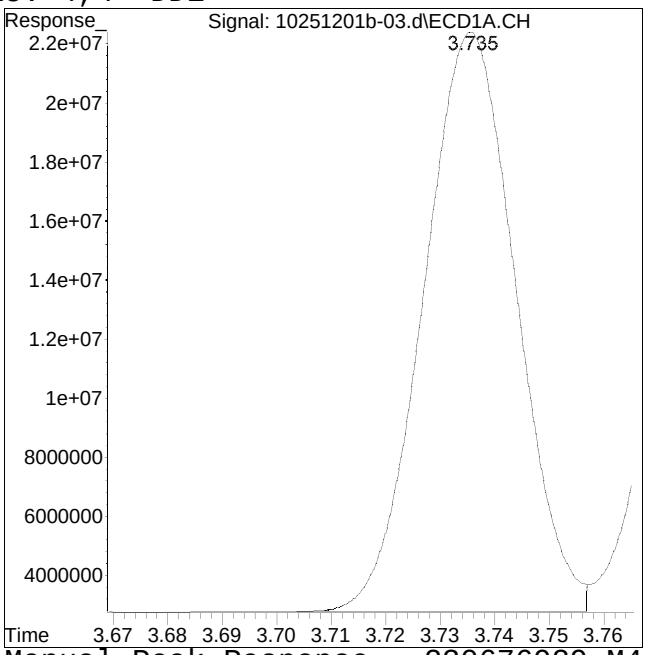
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #15: 4,4'-DDE



Original Peak Response = 231330405



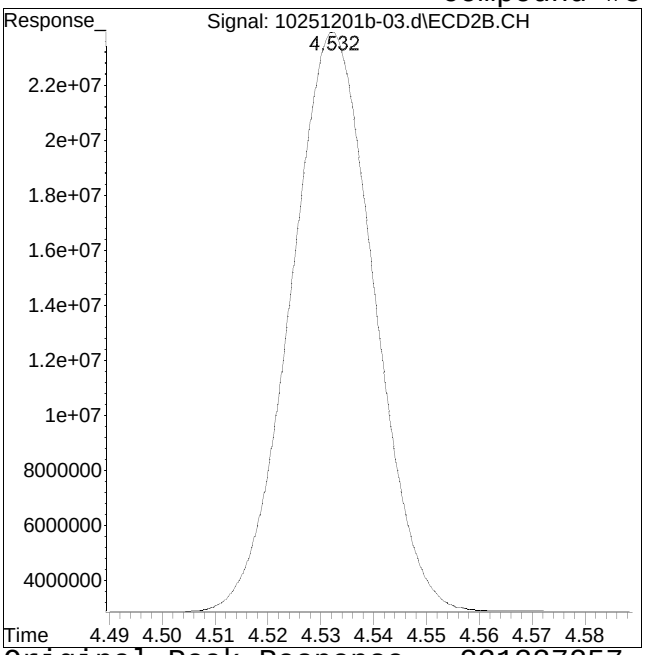
Manual Peak Response = 230676929 M4

M4 = Poor automated baseline construction.

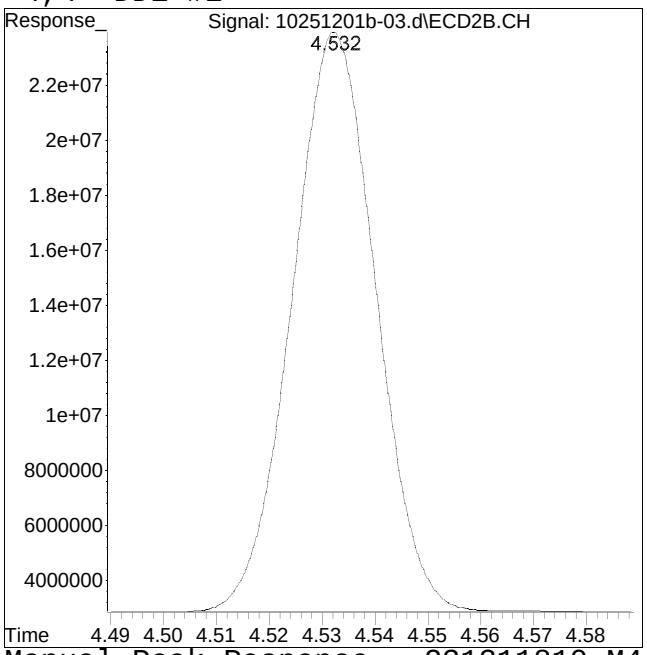
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 231337257



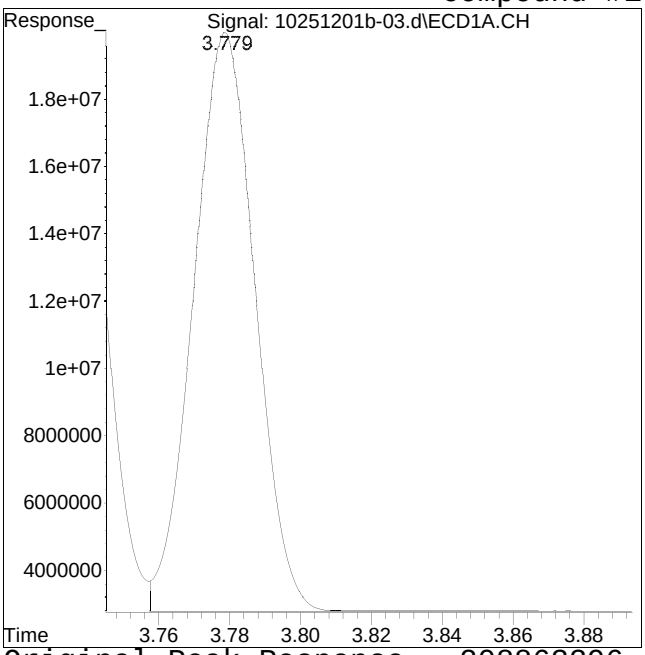
Manual Peak Response = 231311810 M4

M4 = Poor automated baseline construction.

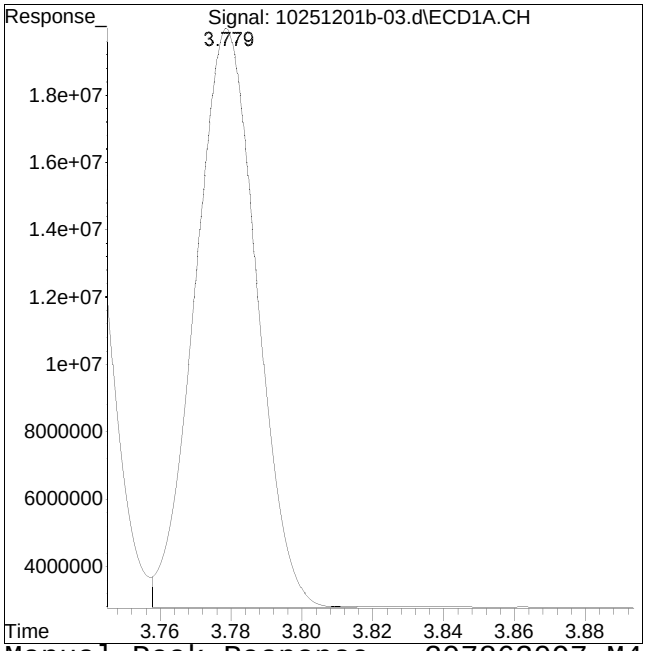
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #16: Endosulfan I



Original Peak Response = 208863396



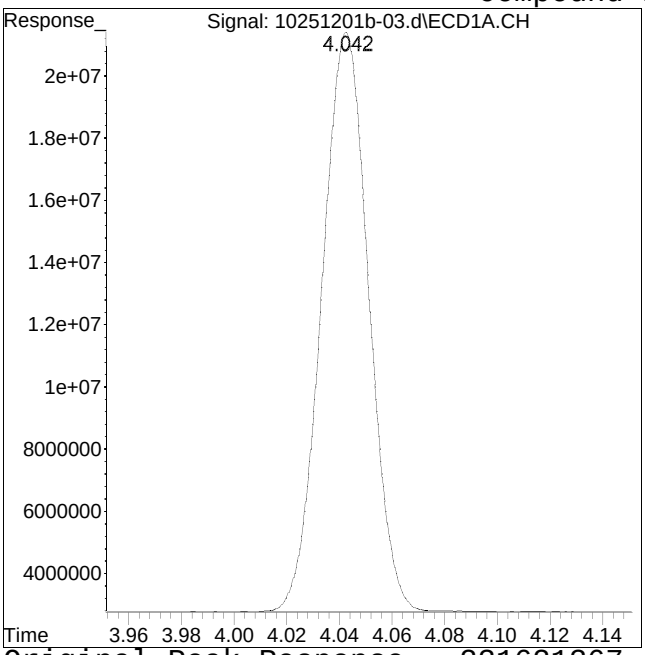
Manual Peak Response = 207863097 M4

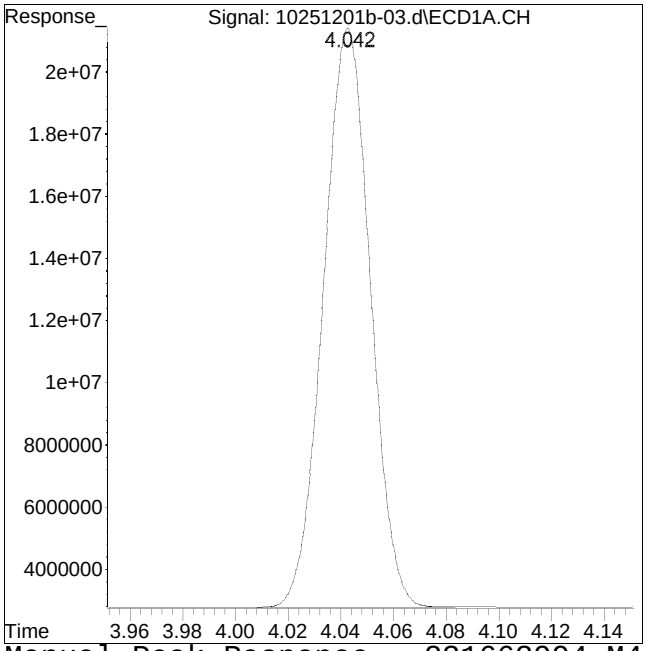
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #17: Dieldrin



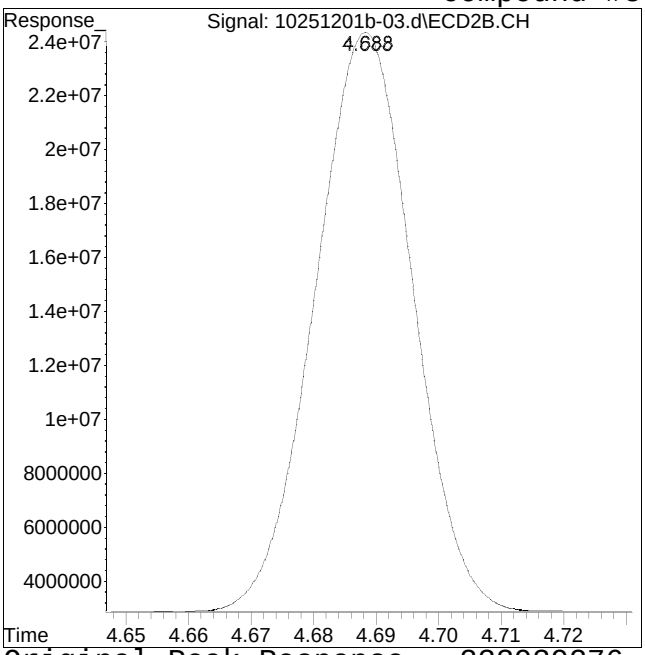


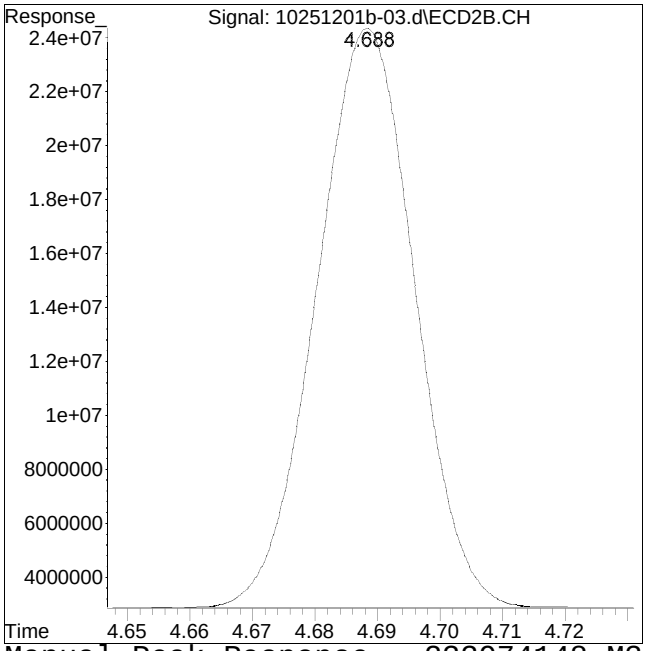
Original Peak Response = 231621367 Manual Peak Response = 231663994 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #55: Dieldrin #2



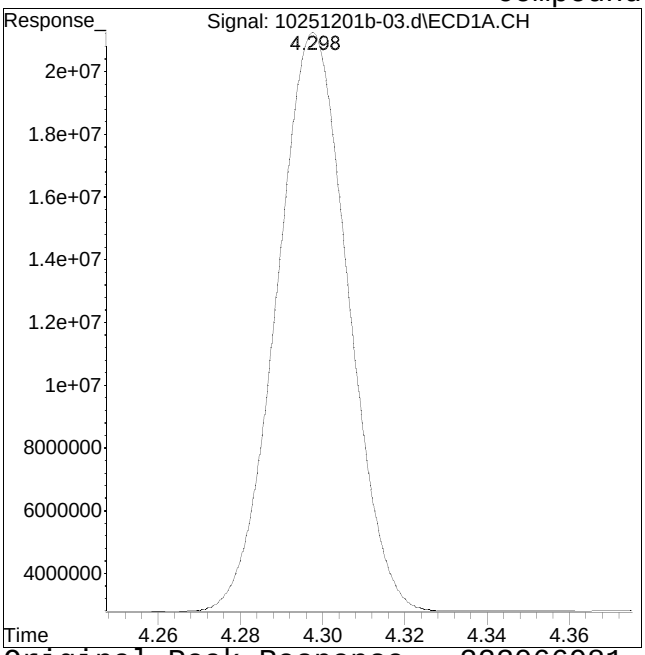


Original Peak Response = 233939276 Manual Peak Response = 233974148 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

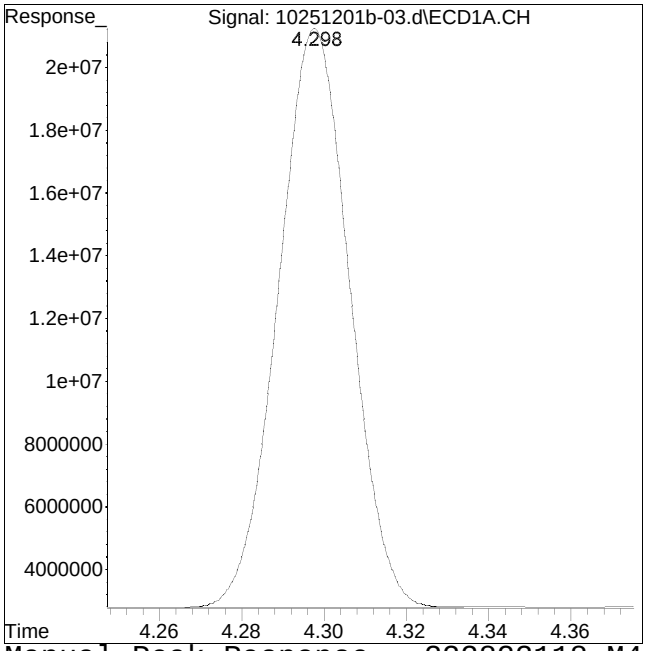
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #18: Endrin



Original Peak Response = 223066981



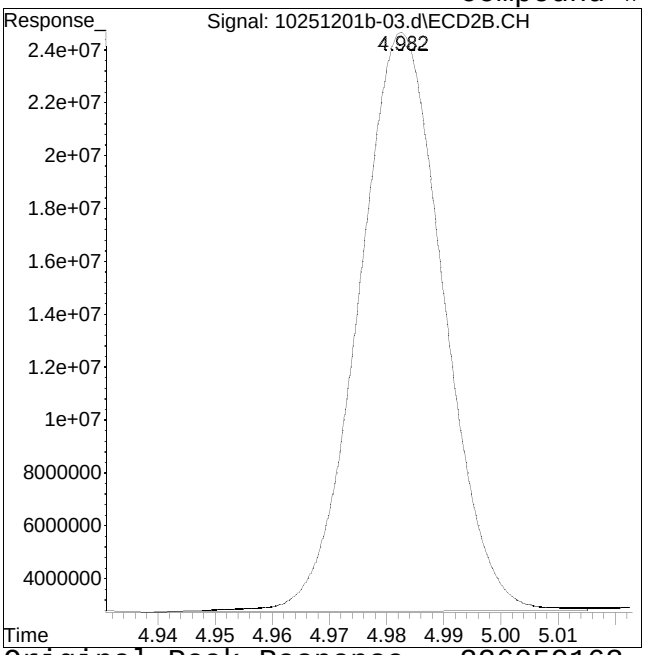
Manual Peak Response = 222823118 M4

M4 = Poor automated baseline construction.

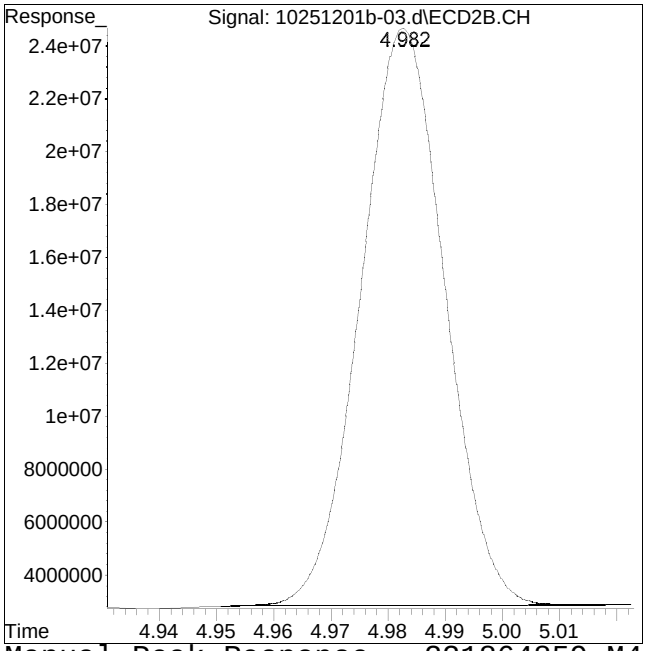
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #56: Endrin #2



Original Peak Response = 226059163



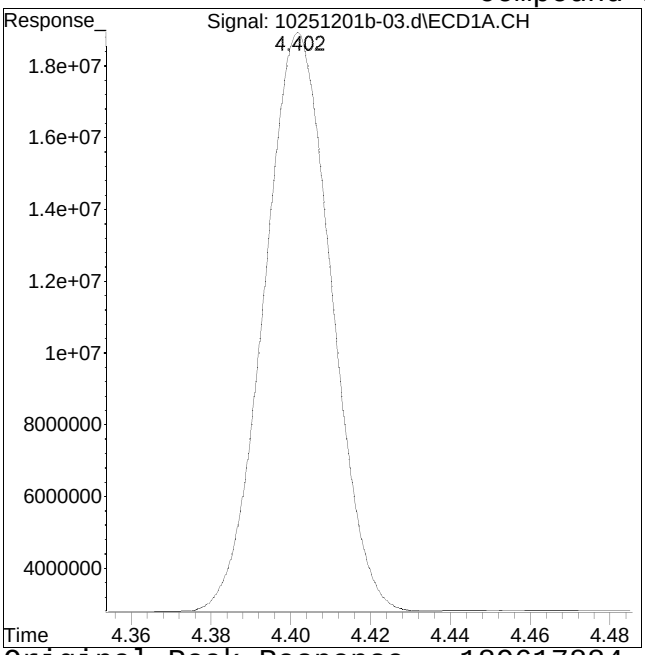
Manual Peak Response = 221864859 M4

M4 = Poor automated baseline construction.

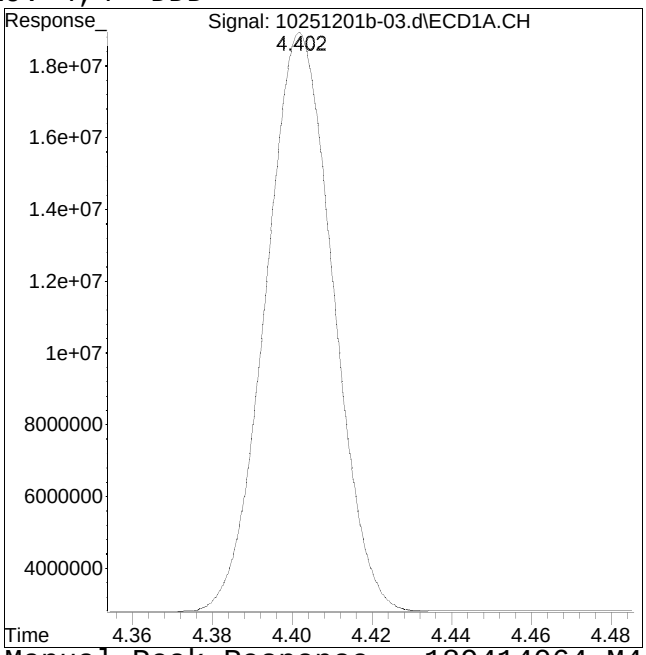
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #19: 4,4'-DDD



Original Peak Response = 189617884



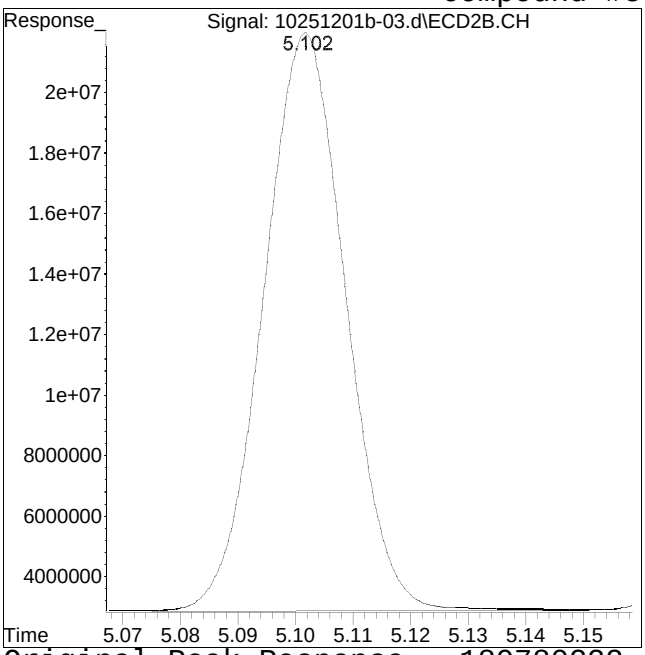
Manual Peak Response = 189414064 M4

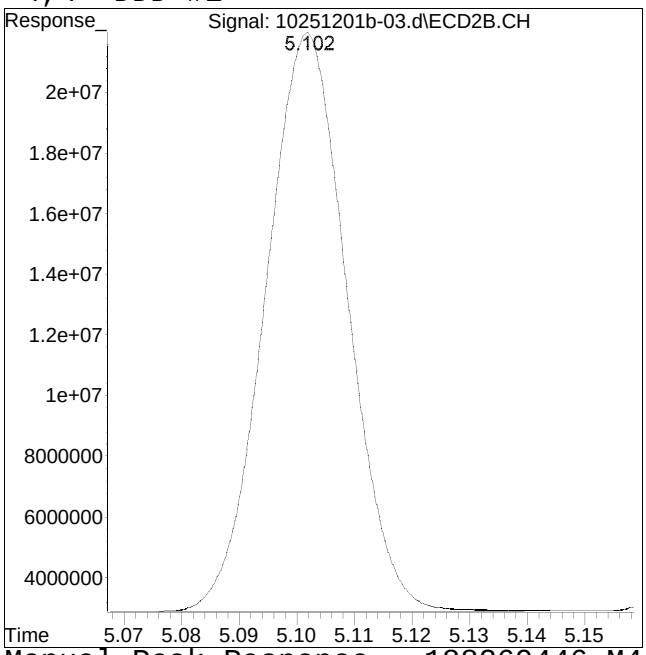
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #57: 4,4'-DDD #2



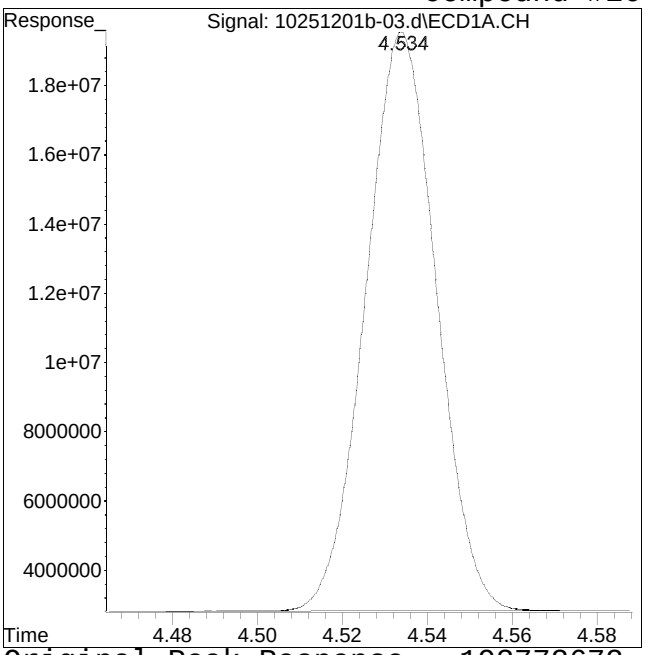


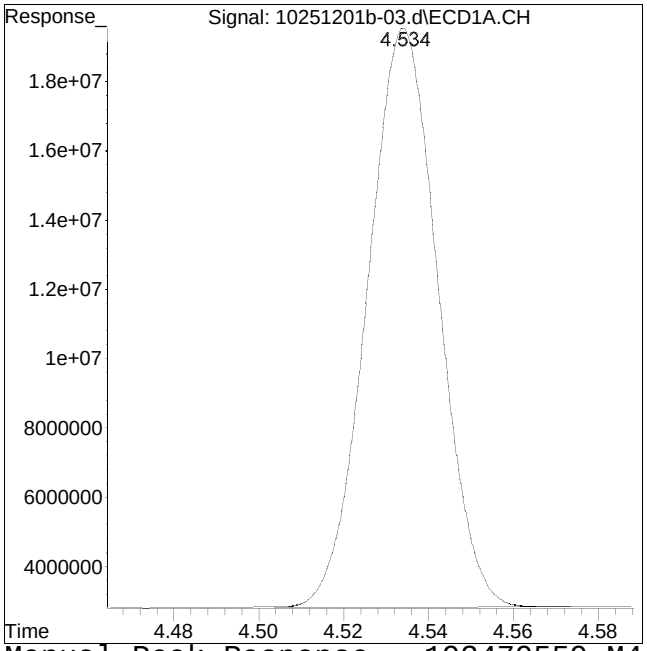
Original Peak Response = 189780222 Manual Peak Response = 188269446 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #20: Endosulfan II



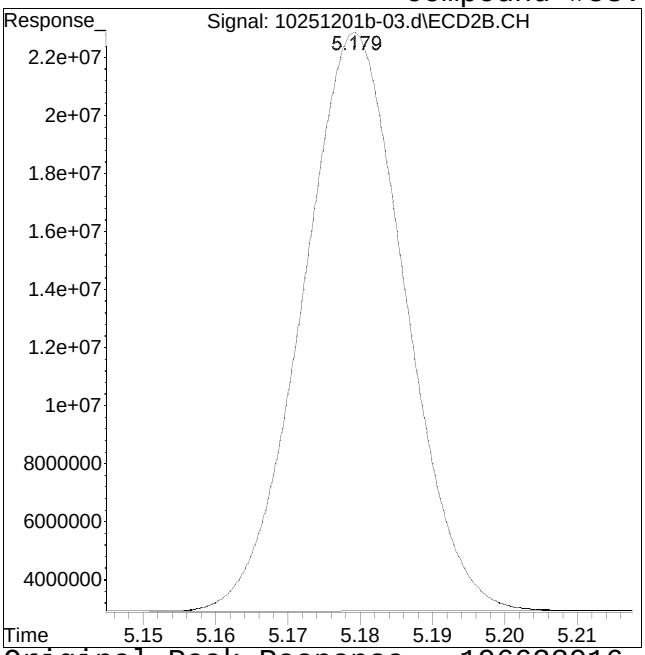


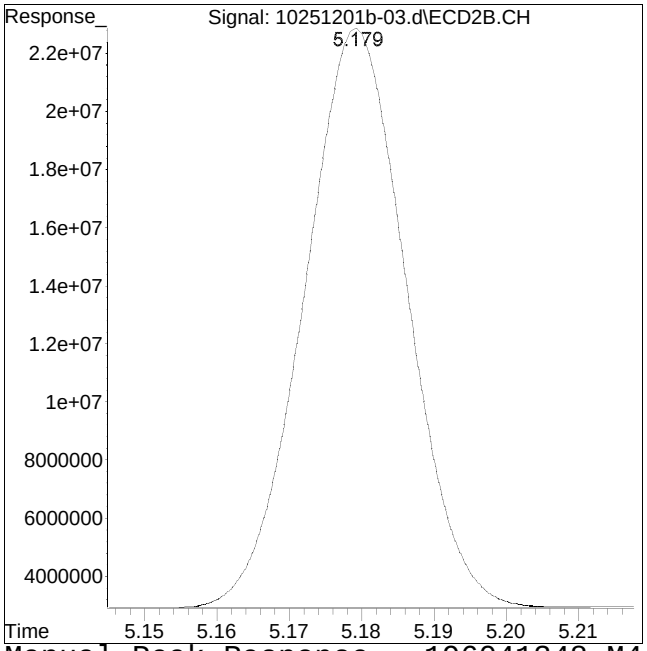
Original Peak Response = 193772672 Manual Peak Response = 193479559 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #58: Endosulfan II #2



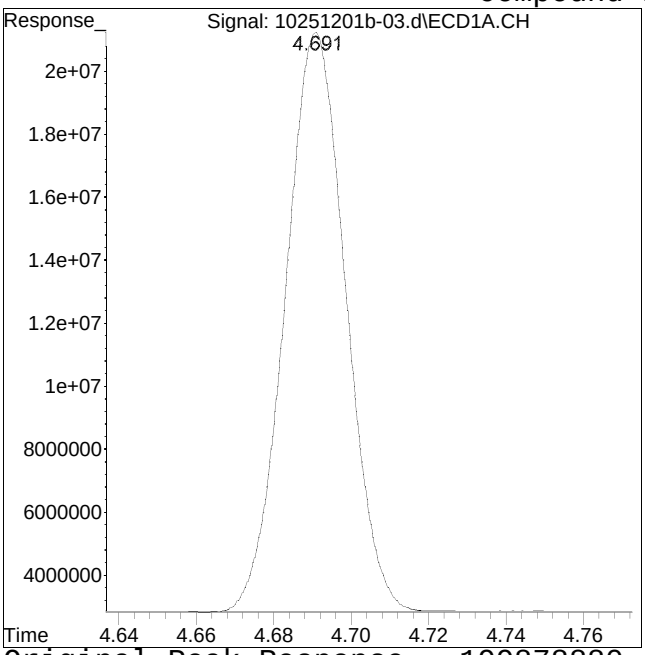


Original Peak Response = 196632916 Manual Peak Response = 196041348 M4
M4 = Poor automated baseline construction.

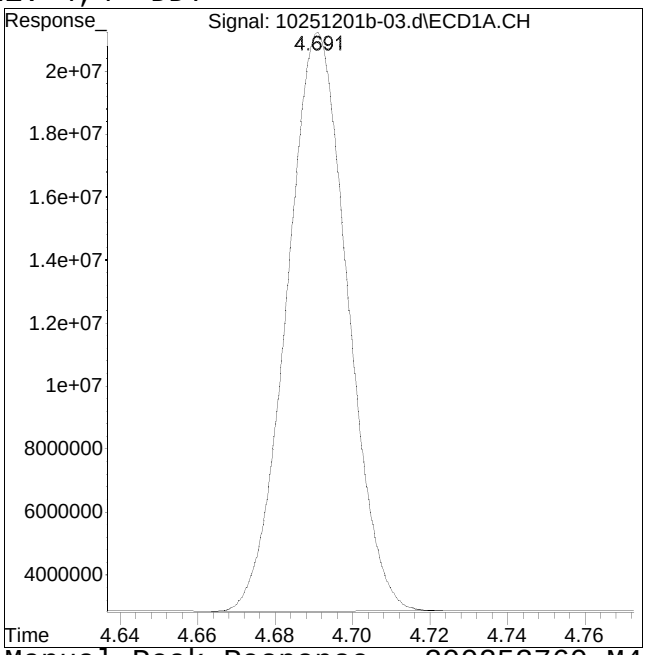
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #21: 4,4'-DDT



Original Peak Response = 199878880

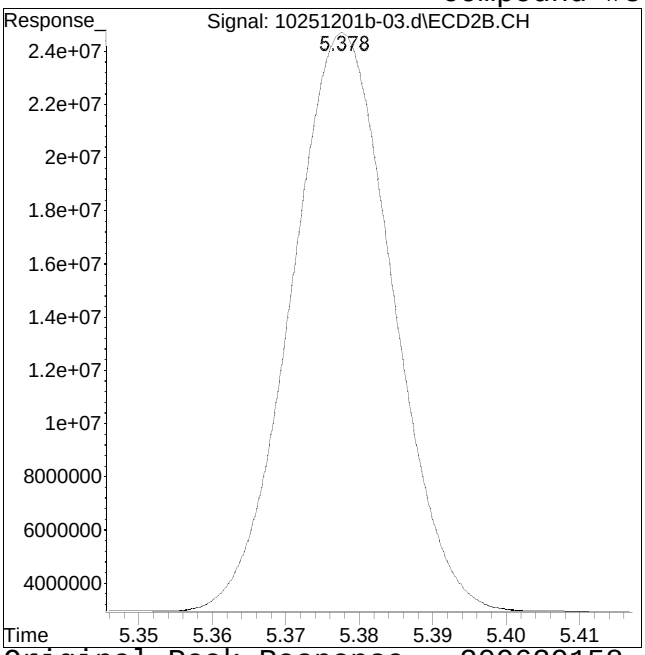


Manual Peak Response = 200253760 M4
M4 = Poor automated baseline construction.

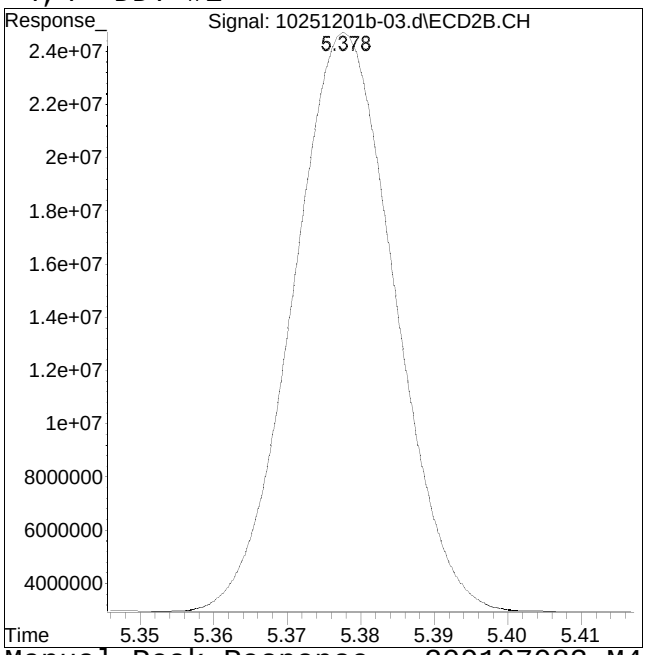
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #59: 4,4'-DDT #2



Original Peak Response = 209629158



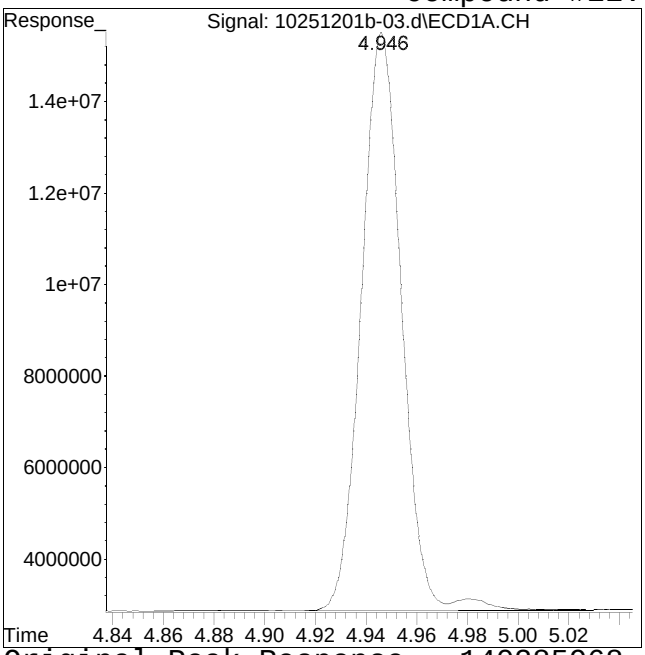
Manual Peak Response = 209107083 M4

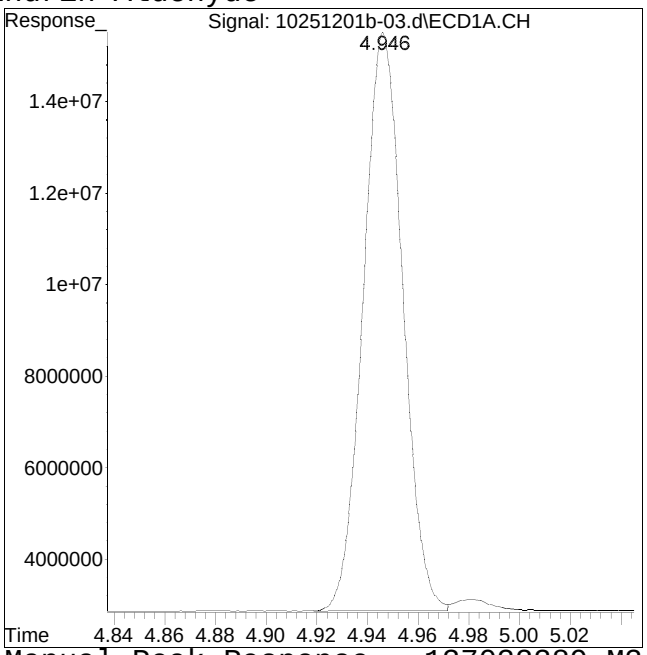
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #22: Endrin Aldehyde



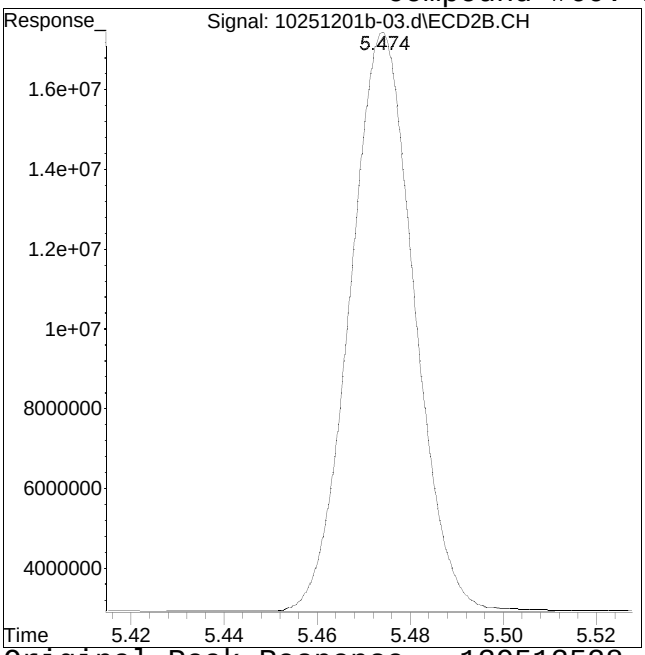


Original Peak Response = 140285968 Manual Peak Response = 137032389 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

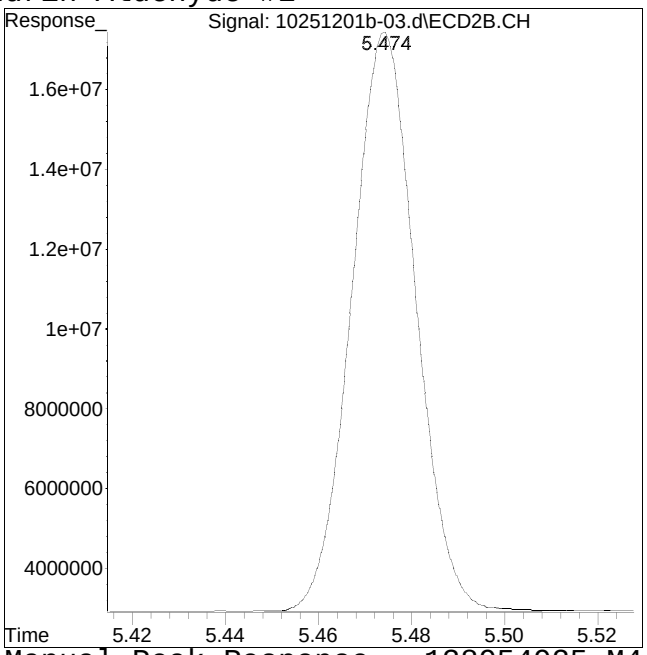
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 139512528



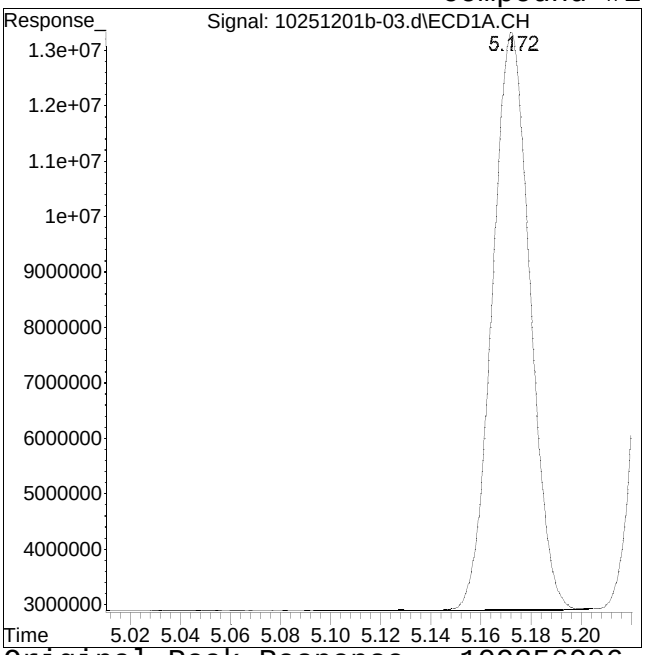
Manual Peak Response = 138954925 M4

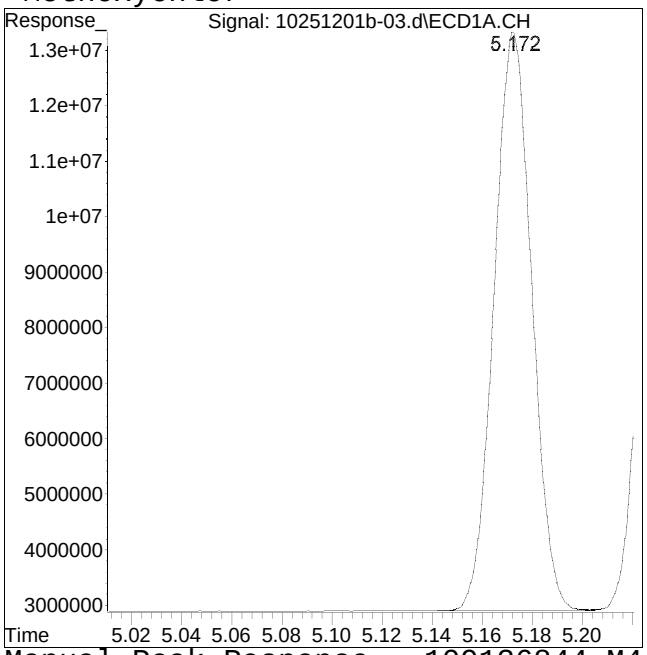
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #23: Methoxychlor



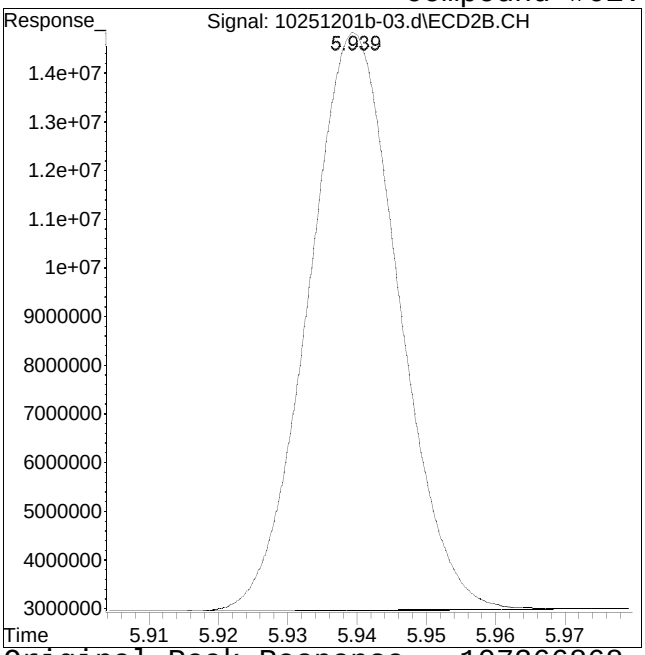


Original Peak Response = 109256906 Manual Peak Response = 109136844 M4
M4 = Poor automated baseline construction.

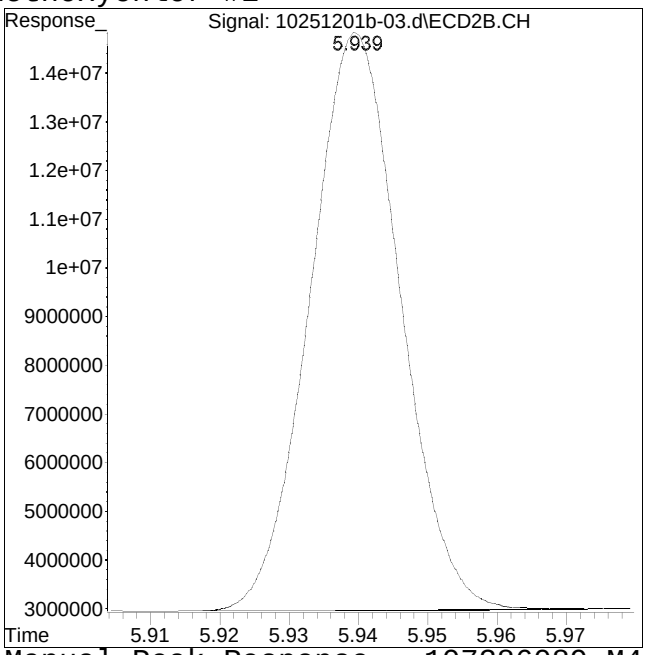
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #61: Methoxychlor #2



Original Peak Response = 107366868



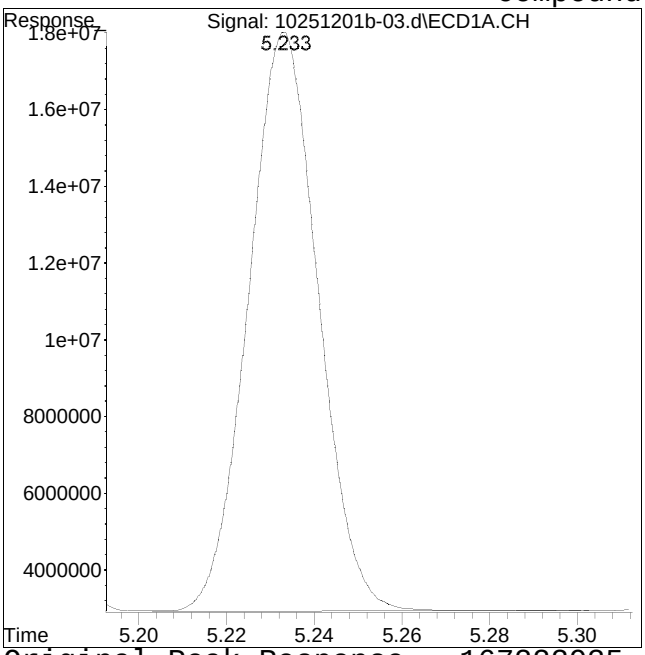
Manual Peak Response = 107386089 M4

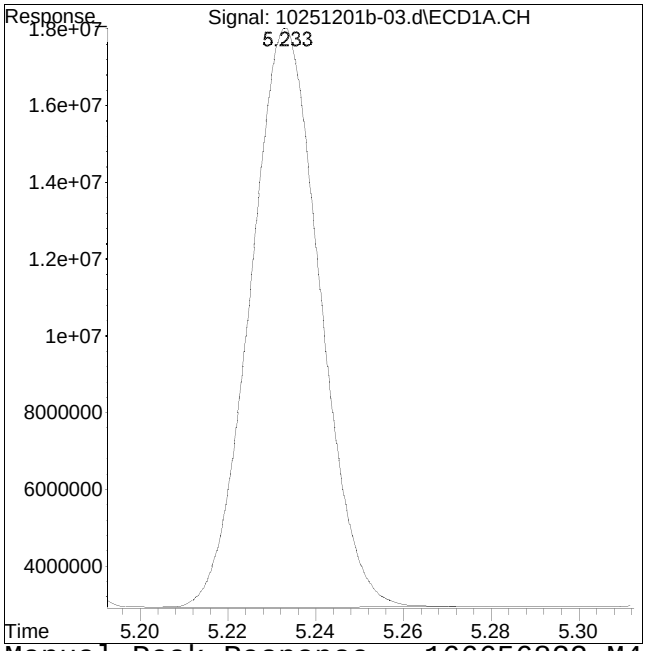
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #24: Mirex



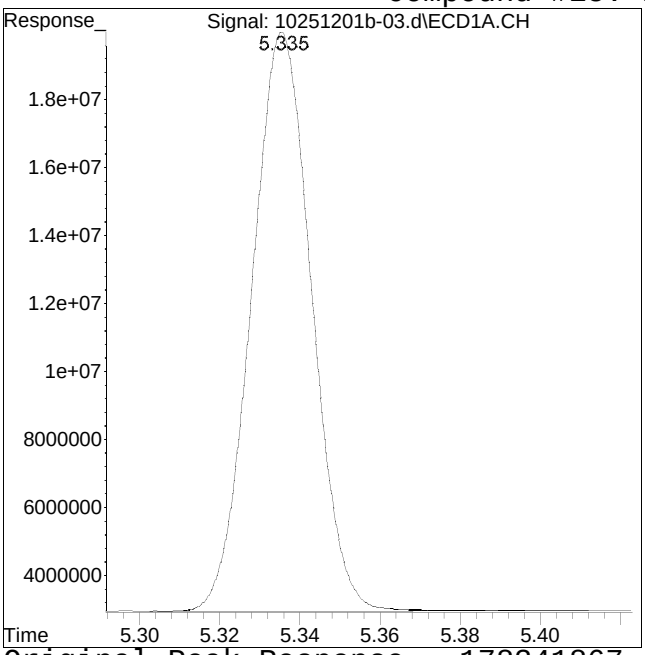


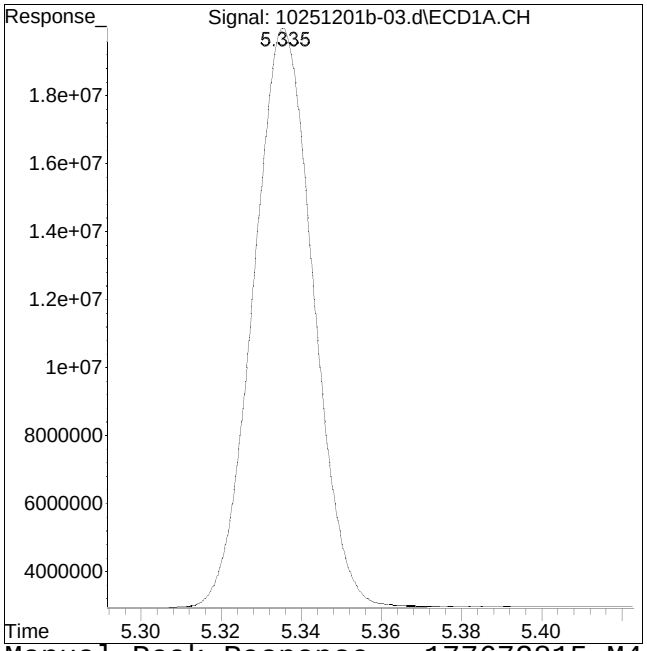
Original Peak Response = 167222935 Manual Peak Response = 166656822 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #25: Endosulfan Sulfate



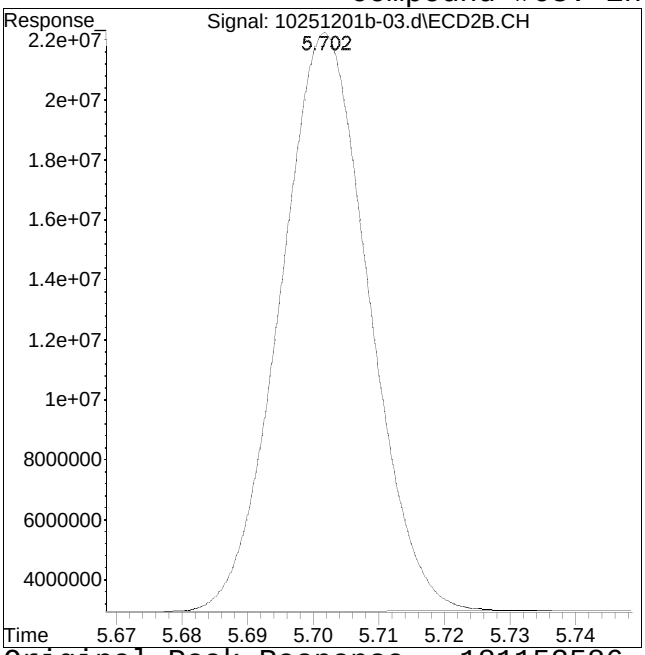


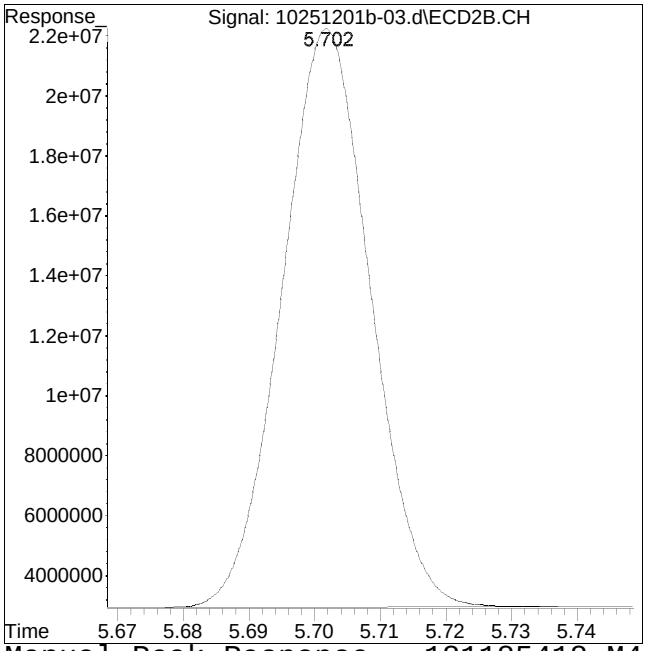
Original Peak Response = 178341867 Manual Peak Response = 177672815 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #63: Endosulfan Sulfate #2



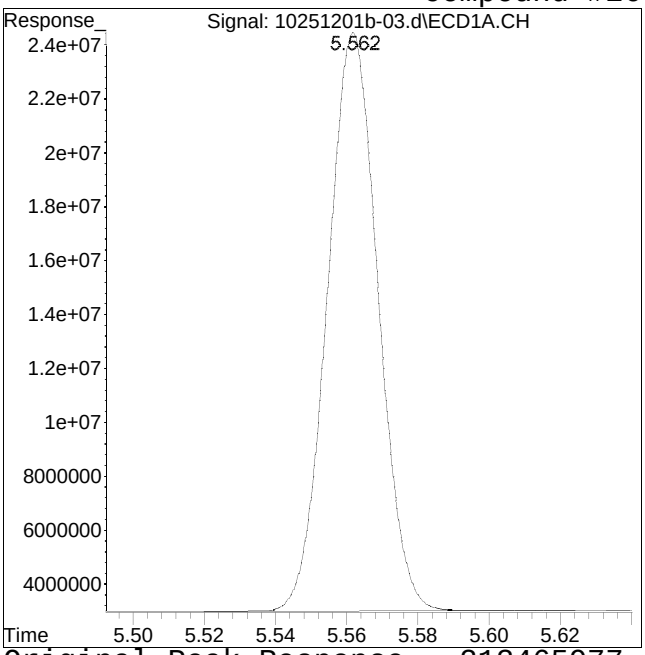


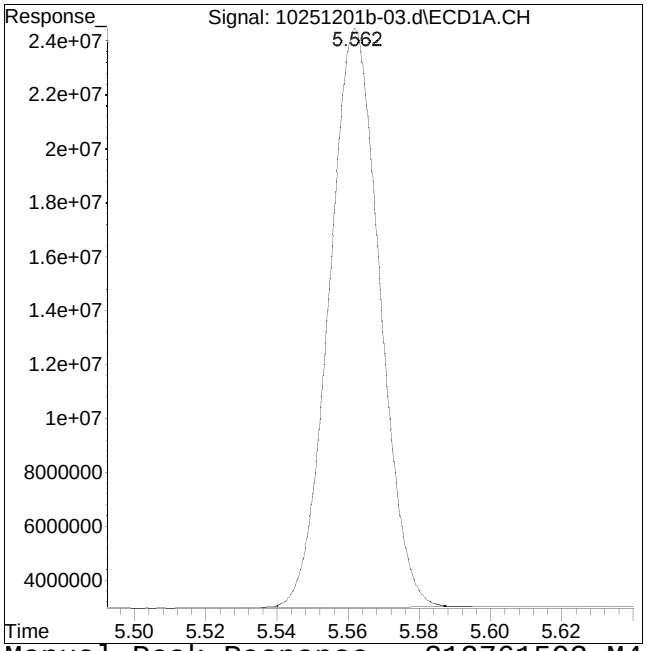
Original Peak Response = 181152586 Manual Peak Response = 181185418 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #26: Endrin Ketone



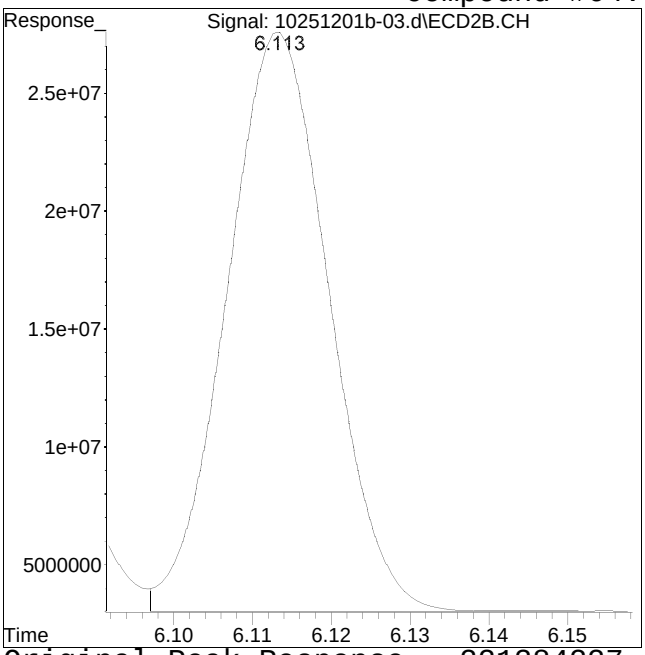


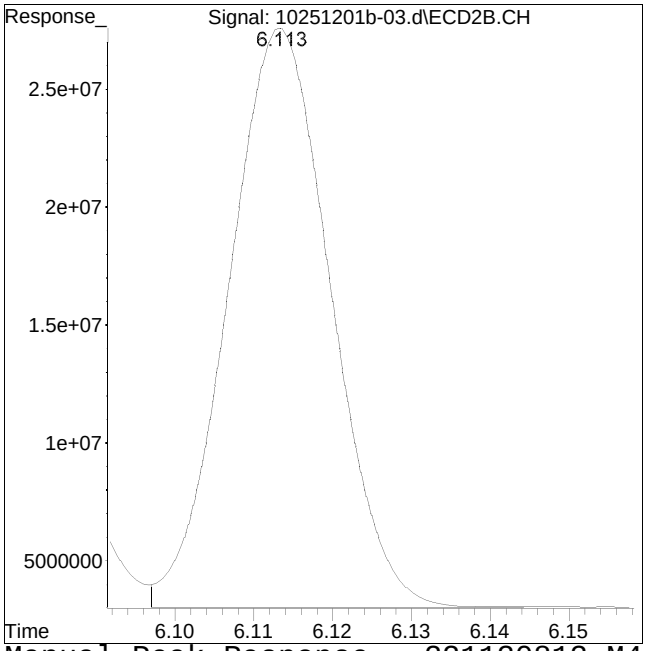
Original Peak Response = 213465977 Manual Peak Response = 212761593 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #64: Endrin Ketone #2



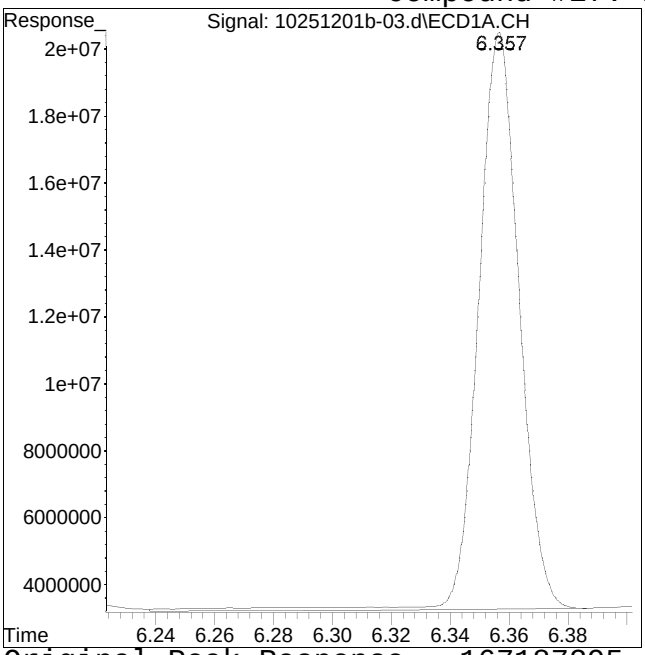


Original Peak Response = 221384227 Manual Peak Response = 221130813 M4
M4 = Poor automated baseline construction.

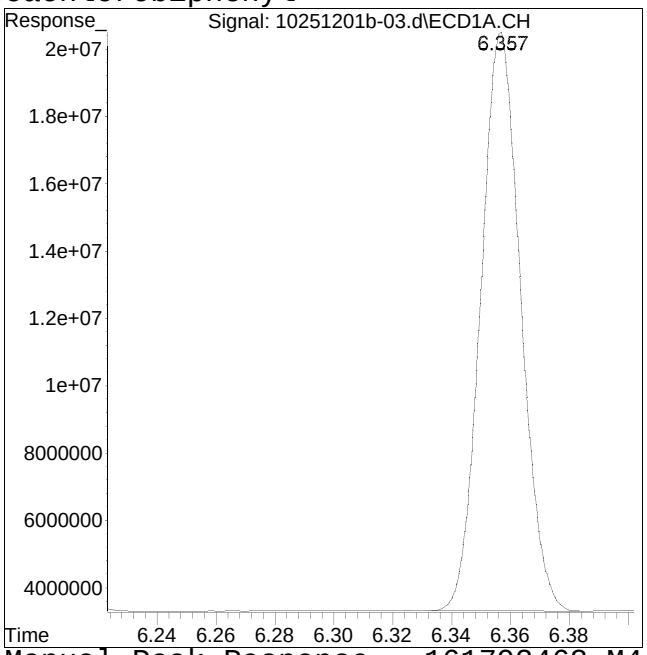
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 167187295



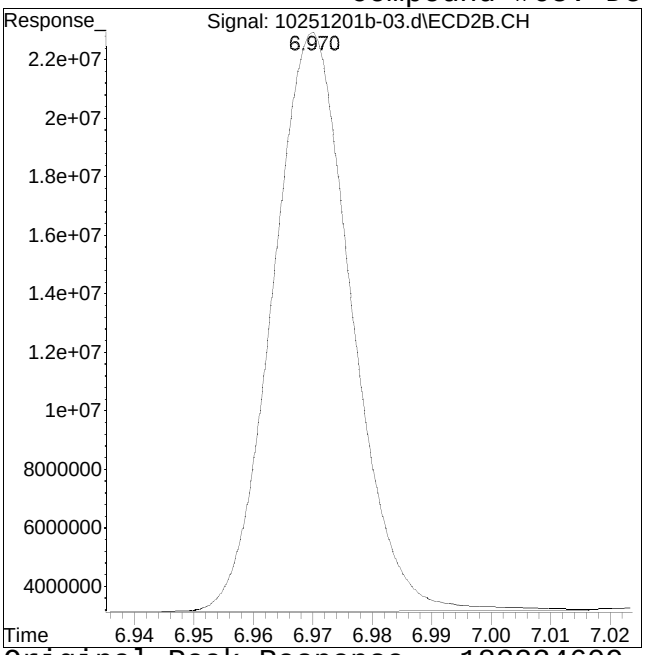
Manual Peak Response = 161792462 M4

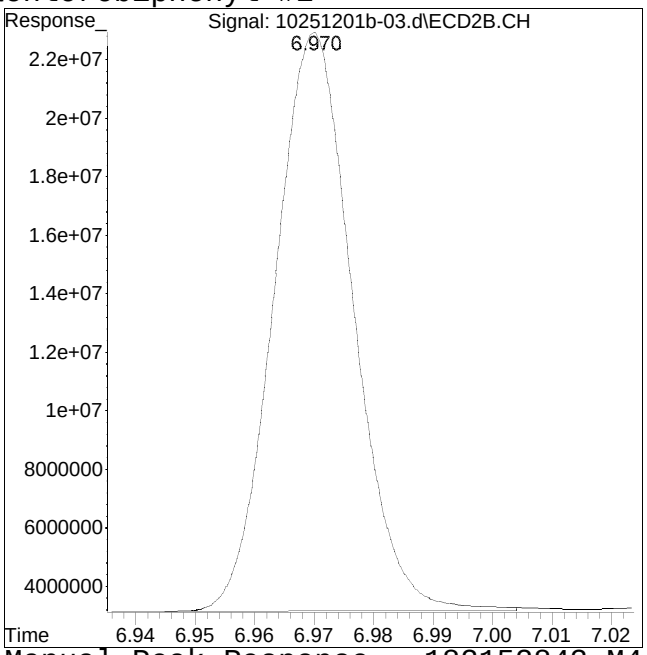
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-03.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:25 Instrument : Pest 10
Sample : wg2147890-1,42,,pest12308 Quant Date : 12/1/2025 8:38 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 183224609 Manual Peak Response = 182152843 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 01 Dec 2025   8:47
Operator : PEST10:akm
Sample   : wg2147890-3,42,,tox12296 (Sig #1); tox12296 (Sig #2)
Misc   : wg2147890,,ical22829
ALS Vial : 5 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 17:19:03 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:48:44 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	134	0.00
34	l2	toxaphene-1		*2000.000	2049.976	-2.5	131	-0.01
35	l2	toxaphene-2		*2000.000	1937.494	3.1	124	-0.01
36	l2	toxaphene-4		*2000.000	2082.058	-4.1	135	0.00
37	l2	toxaphene-5		*2000.000	2007.553	-0.4	128	0.00

Signal #2

33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	127	0.00
34	l2	toxaphene-1		0.021	0.023	-9.5	123	0.00
35	l2	toxaphene-2		0.033	0.034	-3.0	124	0.00
36	l2	toxaphene-4		0.037	0.038	-2.7	118	0.00
37	l2	toxaphene-5		0.036	0.037	-2.8	130	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.35#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.344	0.000	100.0#	0#	-1.69#
3	t	Hexachlorobenzene		1.568	0.000	100.0#	0#	-1.91#
4	t	alpha-BHC		1.653	0.000	100.0#	0#	-2.01#
5	t	gamma-BHC (lindane)		1.589	0.000	100.0#	0#	-2.22#
6	t	beta-BHC		0.733	0.000	100.0#	0#	-2.28#
7	t	delta-BHC		1.491	0.000	100.0#	0#	-2.41#
8	t	Heptachlor		1.515	0.000	100.0#	0#	-2.57#
9	t	Aldrin		1.498	0.000	100.0#	0#	-2.82#
10	t	Alachlor		0.250	0.000	100.0#	0#	-2.95#
11	t	Chlorpyrifos		0.703	0.000	100.0#	0#	-3.04#
12	t	Heptachlor Epoxide		1.344	0.000	100.0#	0#	-3.38#
13	t	gamma-Chlordane (trans)		1.491	0.000	100.0#	0#	-3.50#

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 01 Dec 2025   8:47
Operator : PEST10:akm
Sample   : wg2147890-3,42,,tox12296 (Sig #1); tox12296 (Sig #2)
Misc   : wg2147890,,ical22829
ALS Vial : 5 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 17:19:03 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:48:44 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)		1.488	0.000	100.0#	0#	-3.64#
15	t	4,4'-DDE		1.465	0.000	100.0#	0#	-3.74#
16	t	Endosulfan I		1.361	0.000	100.0#	0#	-3.78#
17	t	Dieldrin	*	50.000	0.000	100.0#	0	-4.04#
18	t	Endrin		1.387	0.000	100.0#	0#	-4.30#
19	t	4,4'-DDD		1.144	0.000	100.0#	0#	-4.40#
20	t	Endosulfan II		1.271	0.000	100.0#	0#	-4.53#
21	t	4,4'-DDT		1.171	0.000	100.0#	0#	-4.69#
22	t	Endrin Aldehyde		0.985	0.000	100.0#	0#	-4.95#
23	t	Methoxychlor		0.657	0.000	100.0#	0#	-5.17#
24	t	Mirex		1.114	0.000	100.0#	0#	-5.23#
25	t	Endosulfan Sulfate		1.169	0.000	100.0#	0#	-5.34#
26	t	Endrin Ketone		1.348	0.000	100.0#	0#	-5.56#
27	s	Decachlorobiphenyl		1.202	0.000	100.0#	0#	-6.36#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.35#
29	l1	chlordane-1		0.050	0.000	100.0#	0#	-2.51#
30	l1	chlordane-3		0.063	0.000	100.0#	0#	-2.94#
31	l1	chlordane-4		0.205	0.000	100.0#	0#	-3.51#
32	l1	chlordane-5		0.317	0.000	100.0#	0#	-3.63#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.41#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.256	0.000	100.0#	0#	-1.89#
3	t	Hexachlorobenzene		1.384	0.000	100.0#	0#	-2.21#
4	t	alpha-BHC		1.661	0.000	100.0#	0#	-2.31#
5	t	gamma-BHC (lindane)		1.579	0.000	100.0#	0#	-2.60#
6	t	beta-BHC		0.740	0.000	100.0#	0#	-2.67#
7	t	delta-BHC		1.496	0.000	100.0#	0#	-2.94#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 01 Dec 2025   8:47
Operator : PEST10:akm
Sample   : wg2147890-3,42,,tox12296 (Sig #1); tox12296 (Sig #2)
Misc   : wg2147890,,ical22829
ALS Vial : 5 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 17:19:03 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:48:44 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8	t	Heptachlor		1.444	0.000	100.0#	0#	-3.00#
9	t	Aldrin		1.471	0.000	100.0#	0#	-3.33#
10	t	Alachlor		0.227	0.000	100.0#	0#	-3.21#
11	t	Chlorpyrifos		0.706	0.000	100.0#	0#	-3.57#
12	t	Heptachlor Epoxide		1.320	0.000	100.0#	0#	-3.95#
13	t	gamma-Chlordane (trans)		1.434	0.000	100.0#	0#	-4.17#
14	t	alpha-Chlordane (cis)		1.424	0.000	100.0#	0#	-4.34#
15	t	4,4'-DDE		1.383	0.000	100.0#	0#	-4.53#
16	t	Endosulfan I		1.298	0.000	100.0#	0#	-4.40#
17	t	Dieldrin		1.472	0.000	100.0#	0#	-4.69#
18	t	Endrin		1.295	0.000	100.0#	0#	-4.98#
19	t	4,4'-DDD		1.035	0.000	100.0#	0#	-5.10#
20	t	Endosulfan II		1.165	0.000	100.0#	0#	-5.18#
21	t	4,4'-DDT		1.048	0.000	100.0#	0#	-5.38#
22	t	Endrin Aldehyde		0.905	0.000	100.0#	0#	-5.47#
23	t	Methoxychlor		0.580	0.000	100.0#	0#	-5.94#
24	t	Mirex		0.994	0.000	100.0#	0#	-6.08#
25	t	Endosulfan Sulfate		1.085	0.000	100.0#	0#	-5.70#
26	t	Endrin Ketone		1.225	0.000	100.0#	0#	-6.11#
27	s	Decachlorobiphenyl		1.086	0.000	100.0#	0#	-6.97#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.41#
29	l1	chlordane-1		0.049	0.000	100.0#	0#	-2.87#
30	l1	chlordane-3		0.058	0.000	100.0#	0#	-3.48#
31	l1	chlordane-4		0.184	0.000	100.0#	0#	-4.17#
32	l1	chlordane-5		0.149	0.000	100.0#	0#	-4.34#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Dec 2025 8:47
Operator : PEST10:akm
Sample : wg2147890-3,42,,tox12296 (Sig #1); tox12296 (Sig #2)
Misc : wg2147890,,ical22829
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 17:19:03 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:48:44 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.345	1.406	85391614	71149666	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Dec 2025 8:47
Operator : PEST10:akm
Sample : wg2147890-3,42,,tox12296 (Sig #1); tox12296 (Sig #2)
Misc : wg2147890,,ical22829
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 17:19:03 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:48:44 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	4.525	5.140	435.8E6	131.3E6	2049.976	2231.682
35) l2	toxaphene-2	4.647	5.168	311.8E6	195.0E6	1937.494	2089.741
36) l2	toxaphene-4	5.061	5.483	245.7E6	216.4E6	2082.058	2041.411
37) l2	toxaphene-5	5.243	5.890	279.3E6	211.4E6	2007.553	2065.715
Sum	toxaphene-1			1272.6E6	754.1E6	8077.081	8428.549
Average	toxaphene-1					2019.270	2107.137

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			1272.6E6	754.1E6	8077.081	8428.549
Average	toxaphene-1					2019.270	2107.137

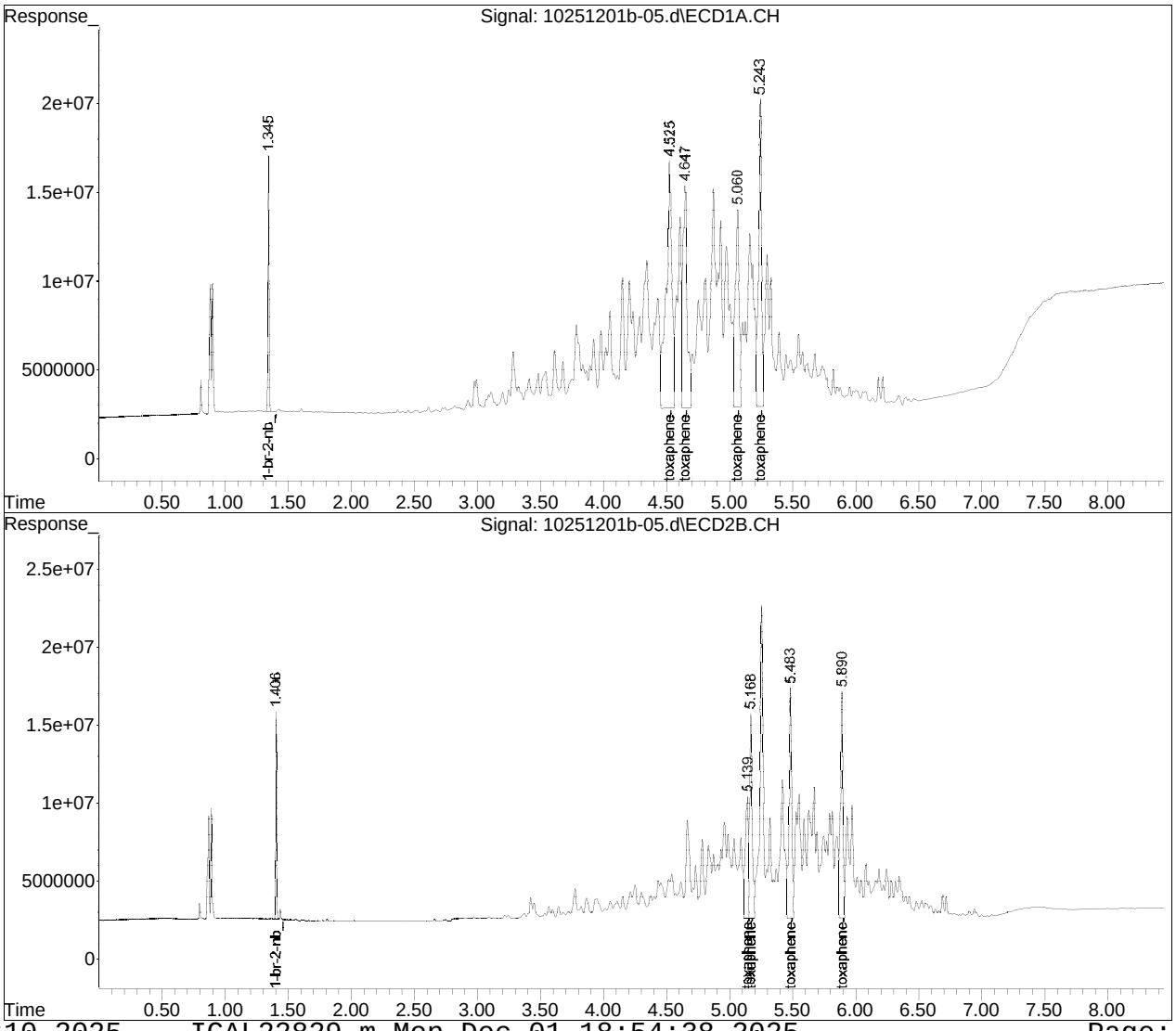
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Dec 2025 8:47
Operator : PEST10:akm
Sample : wg2147890-3,42,,tox12296 (Sig #1); tox12296 (Sig #2)
Misc : wg2147890,,ical22829
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 17:19:03 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:48:44 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

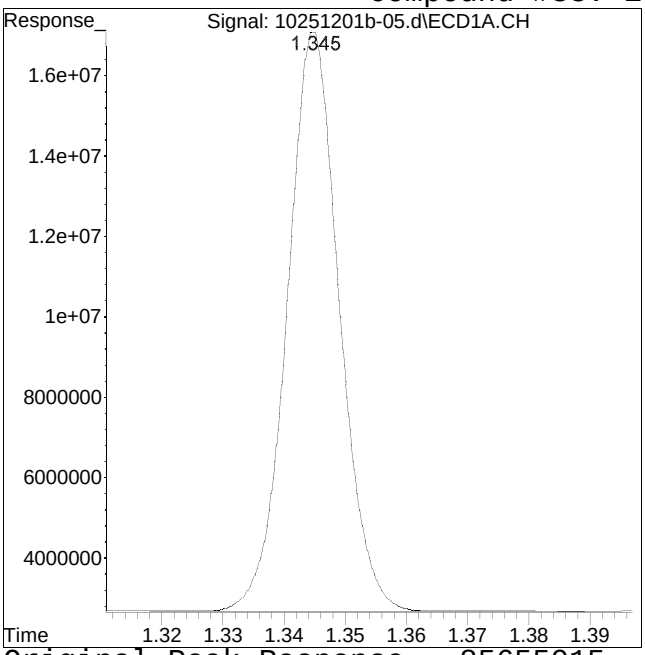
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



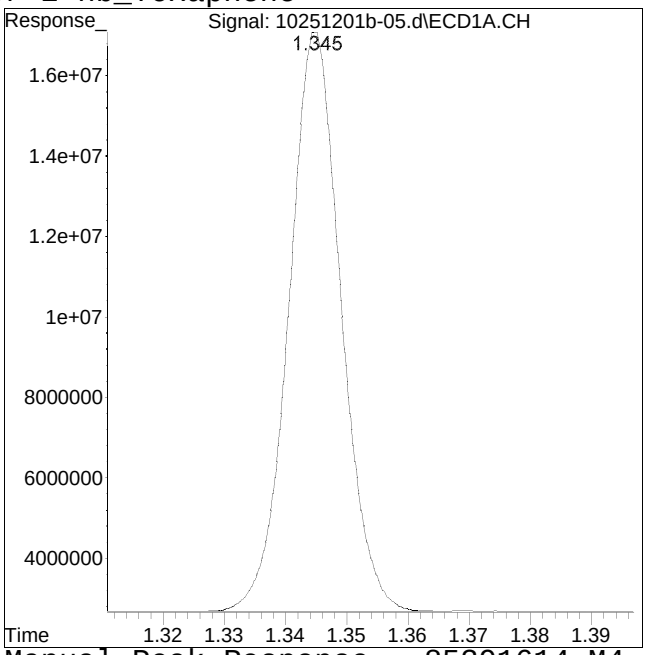
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-05.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:47 Instrument : Pest 10
Sample : wg2147890-3,42,,tox12296 Quant Date : 12/1/2025 5:19 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 85655015



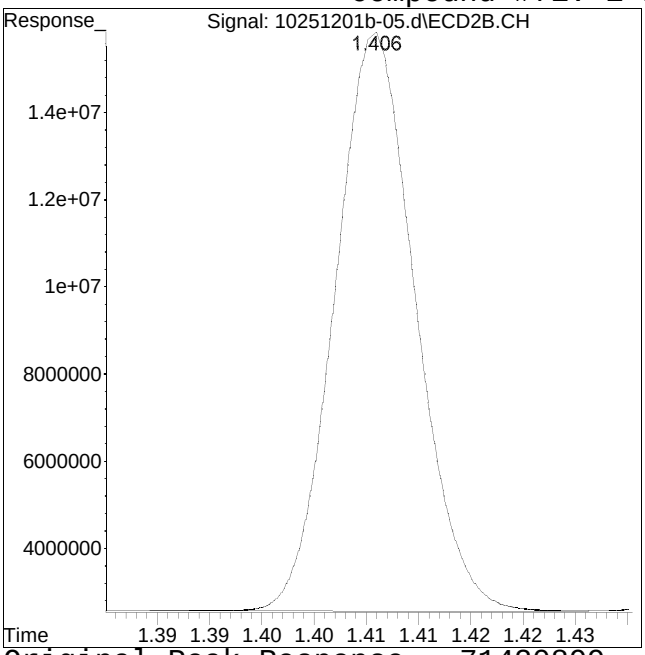
Manual Peak Response = 85391614 M4

M4 = Poor automated baseline construction.

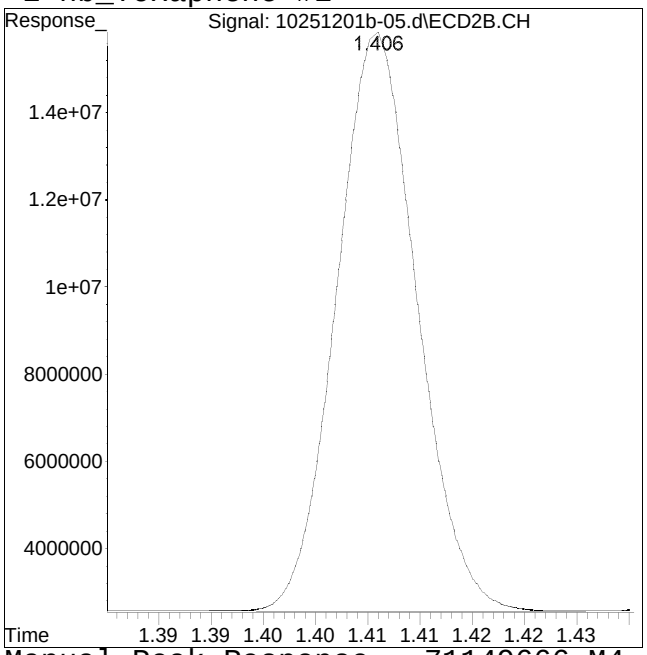
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-05.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:47 Instrument : Pest 10
Sample : wg2147890-3,42,,tox12296 Quant Date : 12/1/2025 5:19 pm

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 71420899



Manual Peak Response = 71149666 M4

M4 = Poor automated baseline construction.

Degradation Check Standard

Performance Evaluation Mixture Summary
Form 15
Pesticides

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: PEST10	**Analysis Date**	: 12/01/25 08:14
PEM Standard	: R2042328-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	0	357093.8592
Endrin	216947176.70386	222036375.42539
4,4'-DDD	736175.55511	798576.09258
4,4'-DDT	395759532.37041	425152372.31008
Endrin Aldehyde	0	0
Endrin Ketone	2373561.88624	2482359.486

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.08	1.10
DDT	0.186	0.271

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Dec 2025 8:14
Operator : PEST10:akm
Sample : pem10251201b-01,42,,deg12884 (Sig #1); deg12884 (Sig #2)
Misc : wg2147890,,ical22829
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 08:39:25 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:38:33 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.344	1.404	85894351	86646865	25.000M3	25.000M4
	System Monitoring Compounds						
	Target Compounds						
15) t	4,4'-DDE	0.000	4.534	0	357094	N.D.	0.074M2
18) t	Endrin	4.299	4.983	216.9E6	222.0E6	45.527M4	49.486M4
19) t	4,4'-DDD	4.403	5.104	736176	798576	0.187M2	0.223M4
21) t	4,4'-DDT	4.692	5.378	395.8E6	425.2E6	98.341M4	117.024M4
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D.	N.D.
26) t	Endrin Keton	5.562	6.113	2373562	2482359	0.512M4	0.584M4
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Dec 2025 8:14
Operator : PEST10:akm
Sample : pem10251201b-01,42,,deg12884 (Sig #1); deg12884 (Sig #2)
Misc : wg2147890,,ical22829
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 08:39:25 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:38:33 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

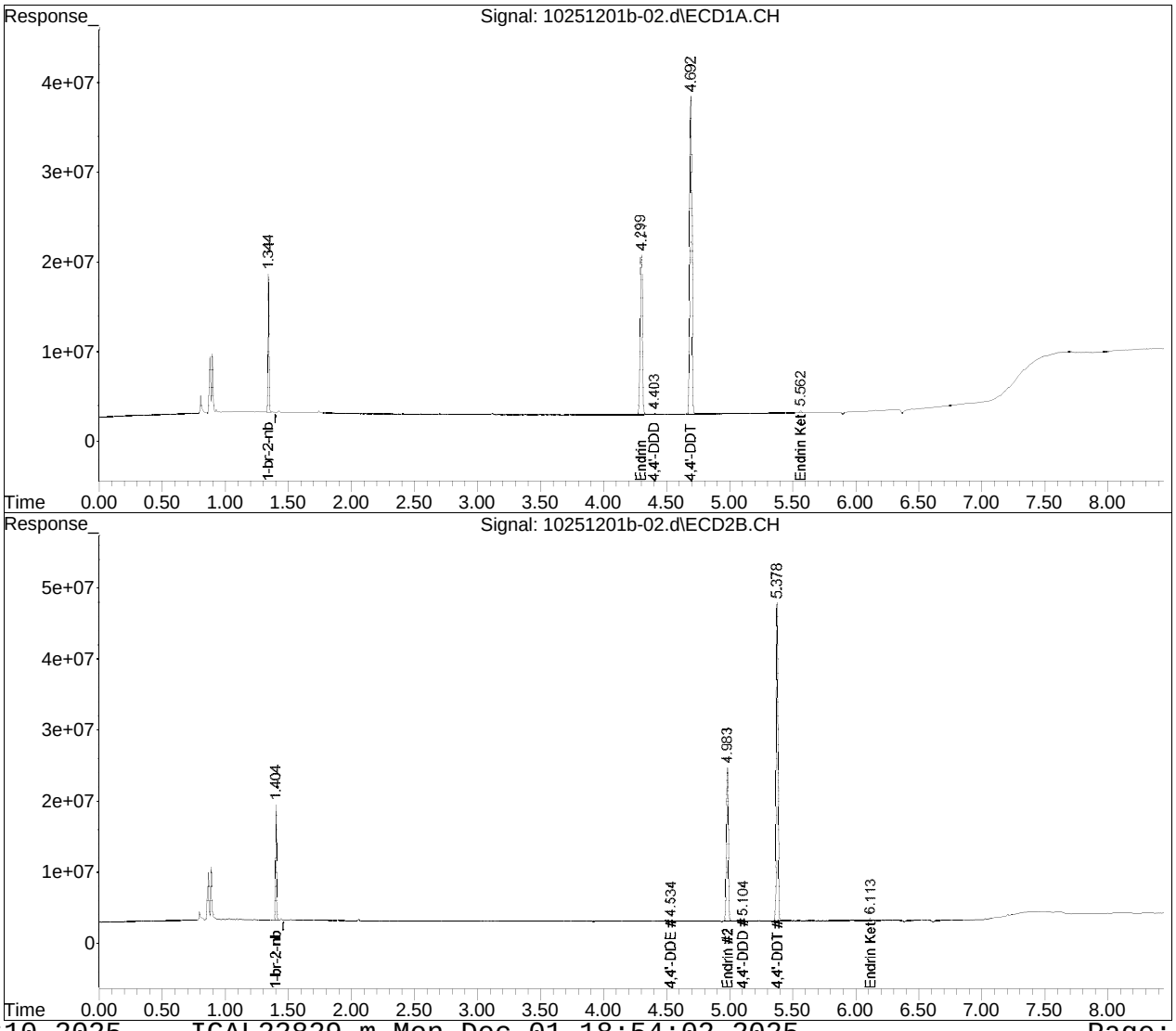
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Dec 2025 8:14
Operator : PEST10:akm
Sample : pem10251201b-01,42,,deg12884 (Sig #1); deg12884 (Sig #2)
Misc : wg2147890,,ical22829
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 08:39:25 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:38:33 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

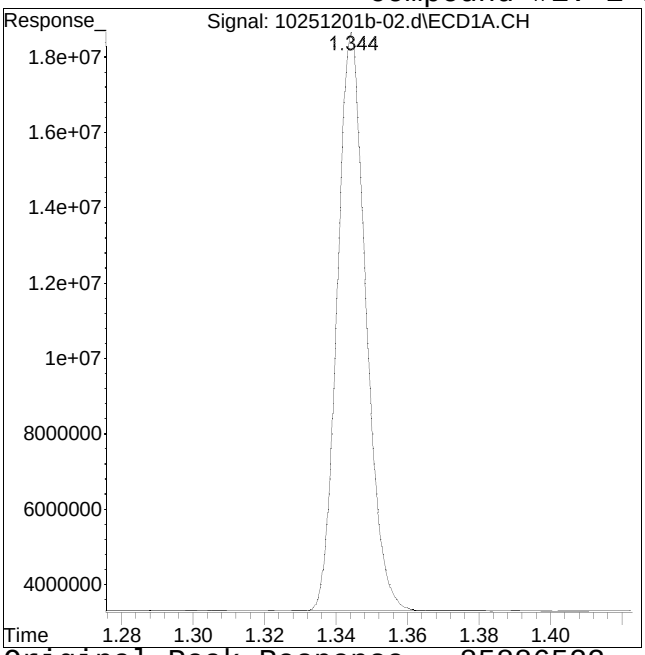
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

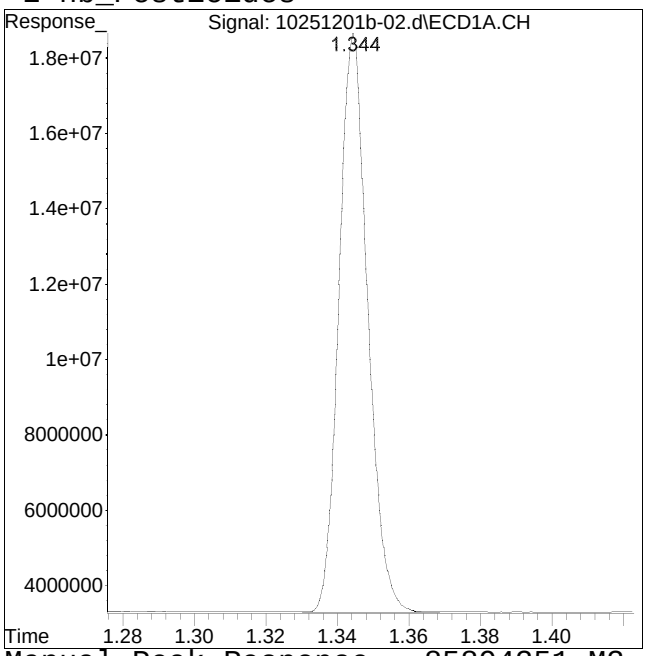


Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-02.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:14 Instrument : Pest 10
Sample : pem10251201b-01,42,,deg128Quant Date : 12/1/2025 8:39 am

Compound #1: 1-br-2-nb_Pesticides





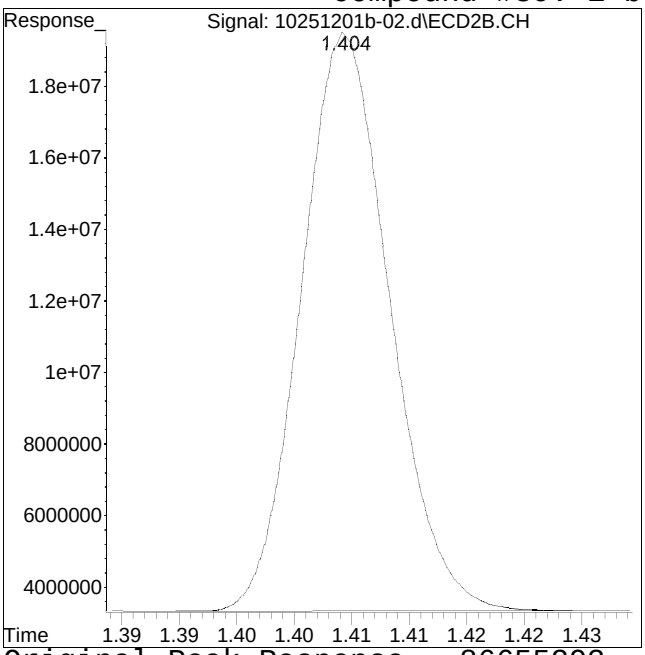
Original Peak Response = 85886522 Manual Peak Response = 85894351 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

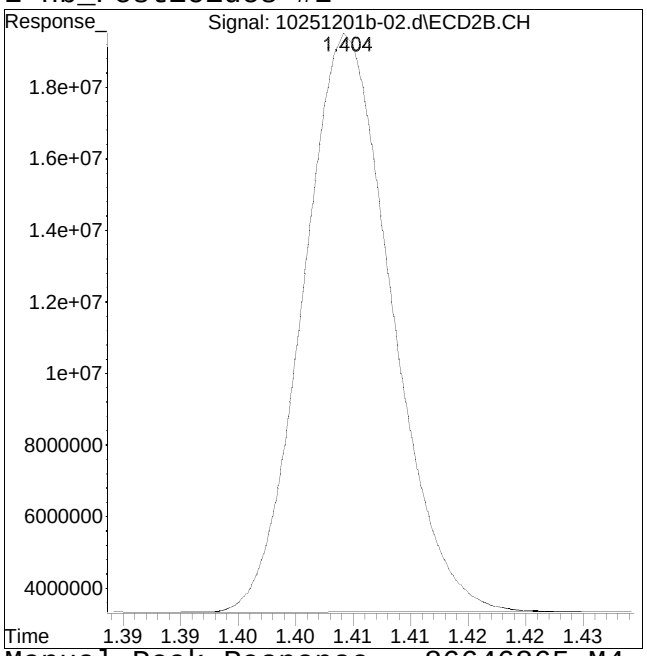
Data Path : I:\PEST\Pest10\2025\251201Q
Data File : 10251201b-02.d
Date Inj'd : 12/1/2025 8:14
Sample : pem10251201b-01,42,,deg128

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 12/1/2025 8:39 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 86655293



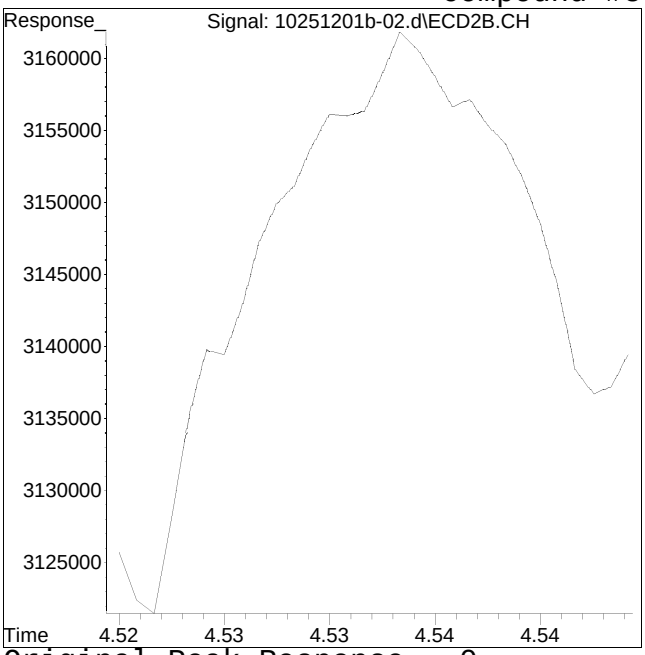
Manual Peak Response = 86646865 M4

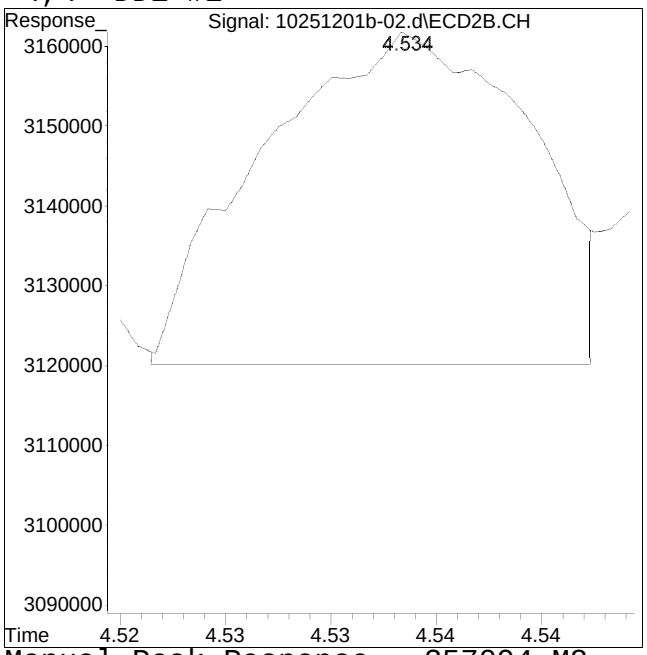
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-02.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:14 Instrument : Pest 10
Sample : pem10251201b-01,42,,deg128Quant Date : 12/1/2025 8:39 am

Compound #53: 4,4'-DDE #2



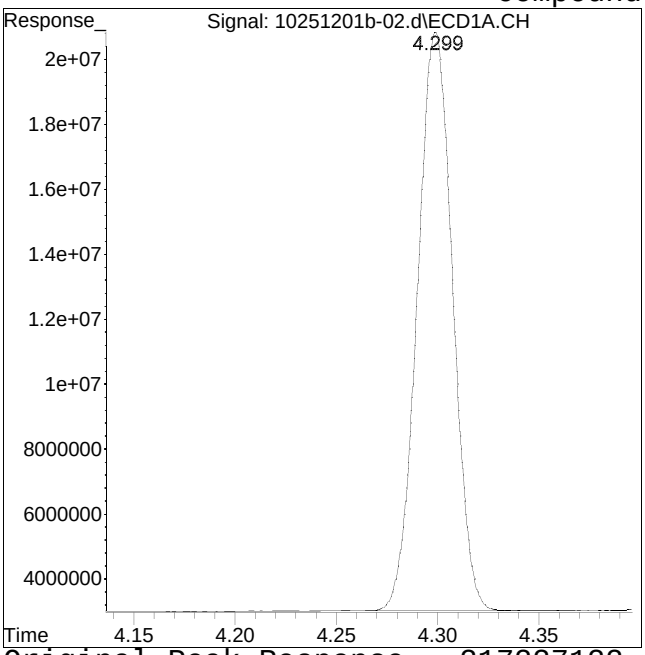


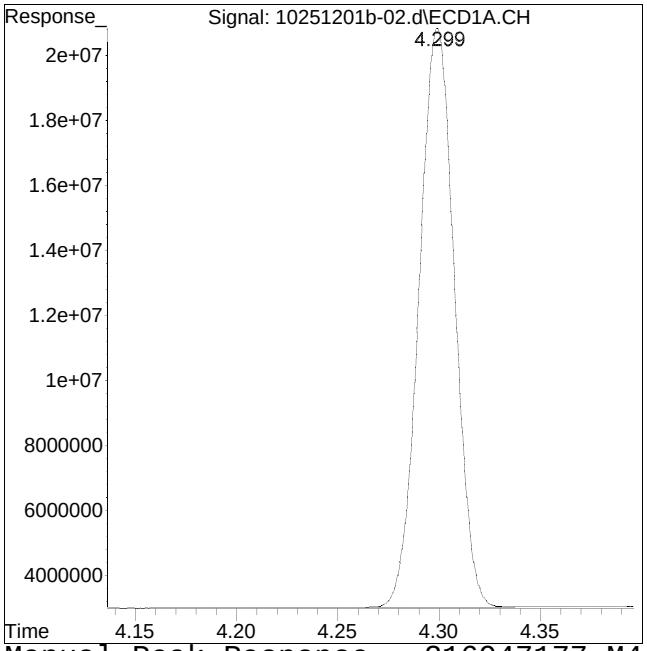
Original Peak Response = 0 Manual Peak Response = 357094 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-02.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:14 Instrument : Pest 10
Sample : pem10251201b-01,42,,deg128Quant Date : 12/1/2025 8:39 am

Compound #18: Endrin



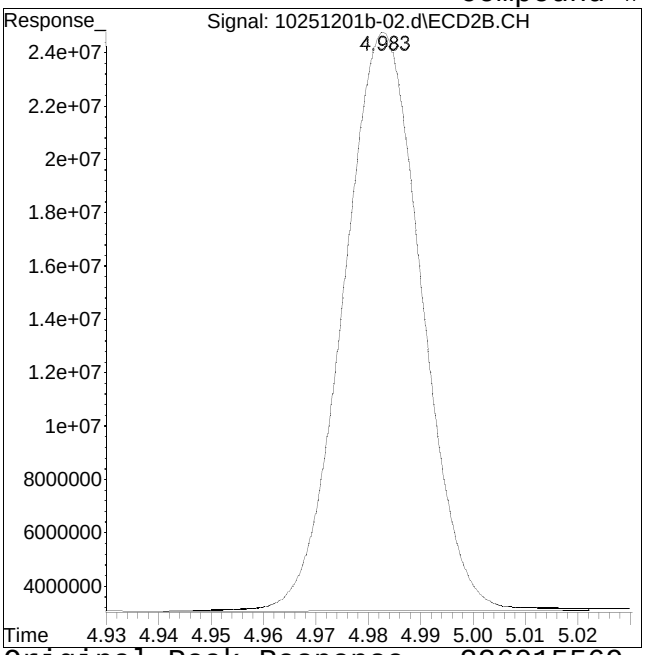


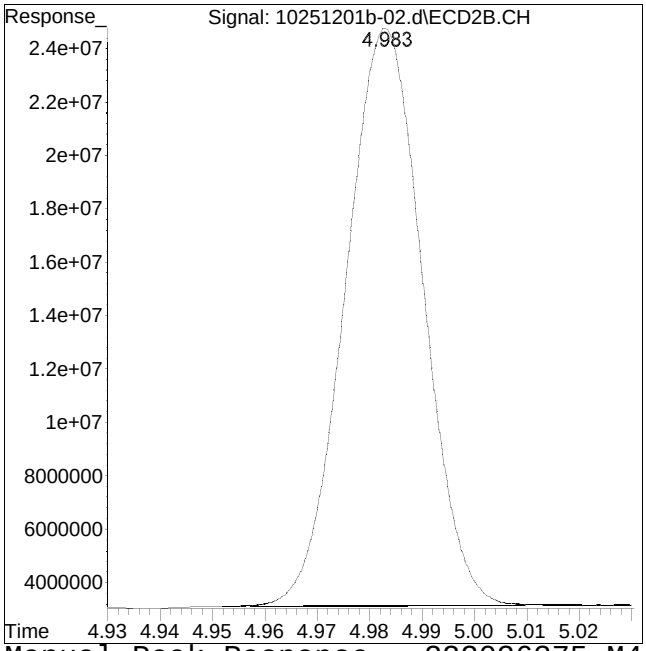
Original Peak Response = 217227122 Manual Peak Response = 216947177 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-02.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:14 Instrument : Pest 10
Sample : pem10251201b-01,42,,deg128Quant Date : 12/1/2025 8:39 am

Compound #56: Endrin #2





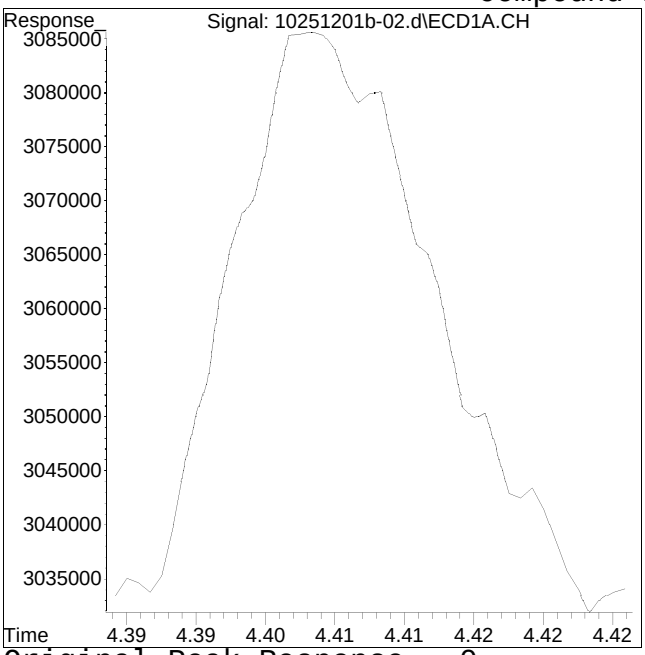
Original Peak Response = 226015569 Manual Peak Response = 222036375 M4
M4 = Poor automated baseline construction.

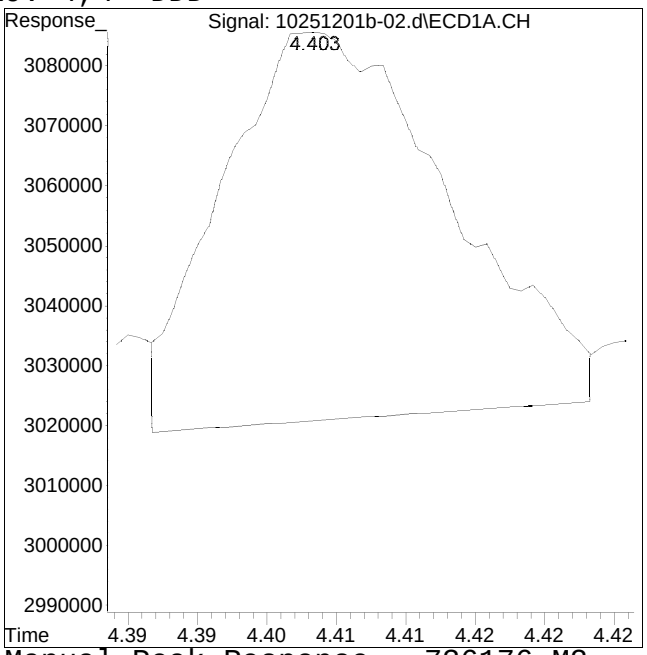
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201Q
Data File : 10251201b-02.d
Date Inj'd : 12/1/2025 8:14
Sample : pem10251201b-01,42,,deg128

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 12/1/2025 8:39 am

Compound #19: 4,4'-DDD



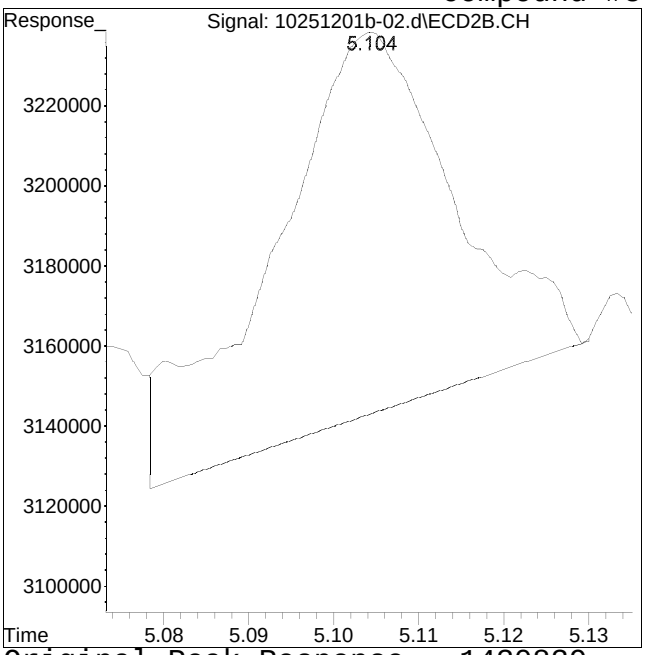


Original Peak Response = 0
Manual Peak Response = 736176 M2
M2 = Peak not found by automatic integration algorithm.

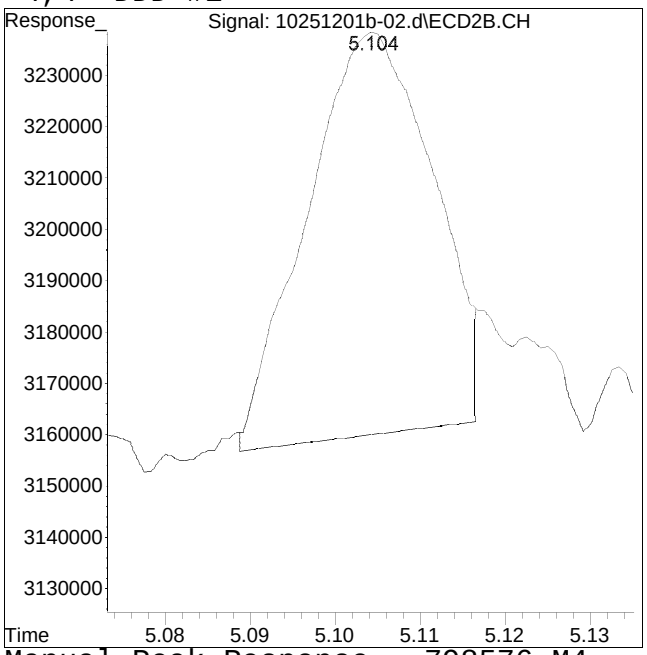
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-02.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:14 Instrument : Pest 10
Sample : pem10251201b-01,42,,deg128Quant Date : 12/1/2025 8:39 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 1430839



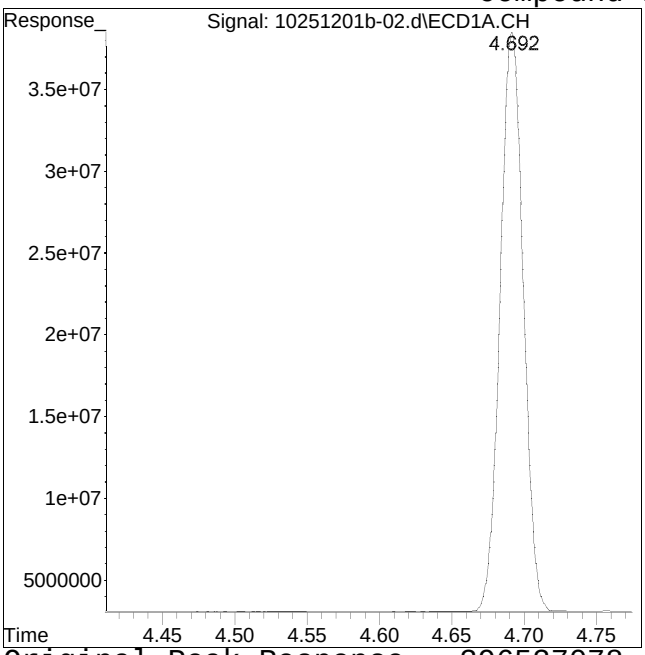
Manual Peak Response = 798576 M4

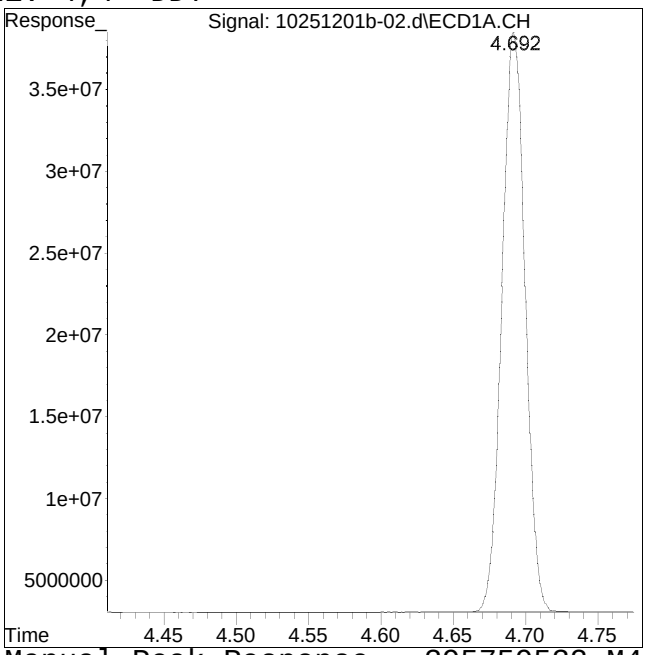
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-02.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:14 Instrument : Pest 10
Sample : pem10251201b-01,42,,deg128Quant Date : 12/1/2025 8:39 am

Compound #21: 4,4'-DDT





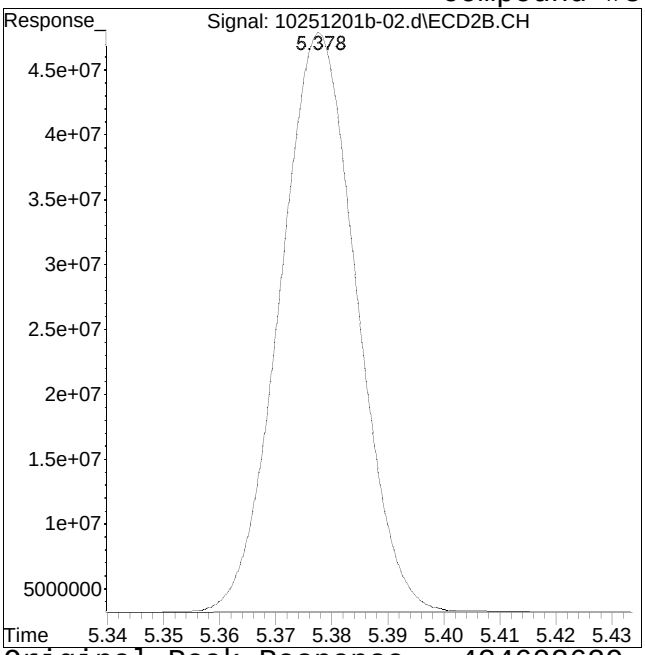
Original Peak Response = 396537078 Manual Peak Response = 395759532 M4
M4 = Poor automated baseline construction.

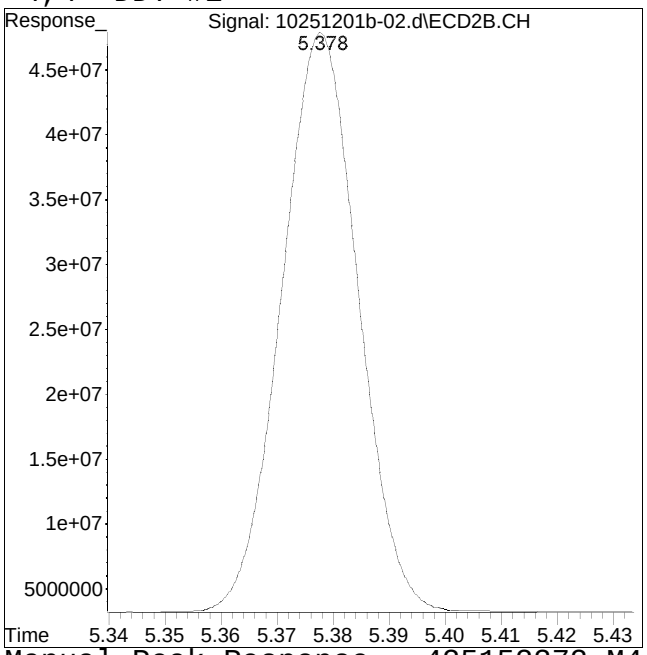
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201Q
Data File : 10251201b-02.d
Date Inj'd : 12/1/2025 8:14
Sample : pem10251201b-01,42,,deg128

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 12/1/2025 8:39 am

Compound #59: 4,4'-DDT #2



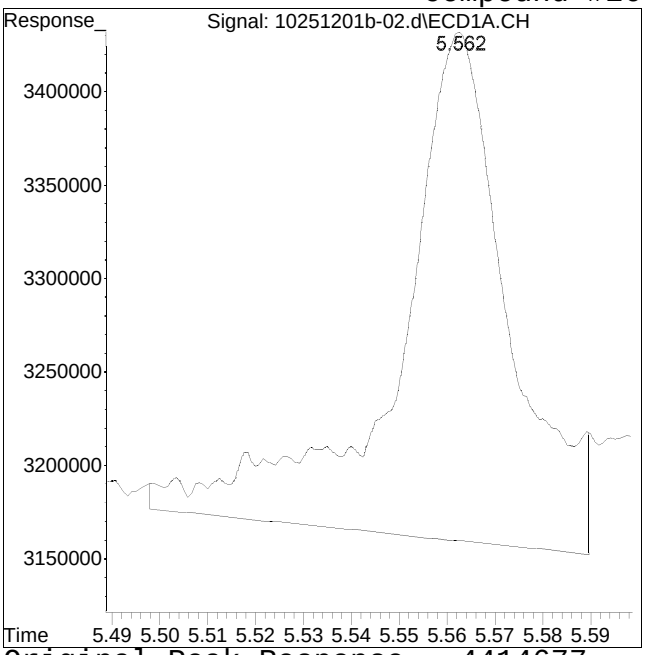


Original Peak Response = 424602629 Manual Peak Response = 425152372 M4
M4 = Poor automated baseline construction.

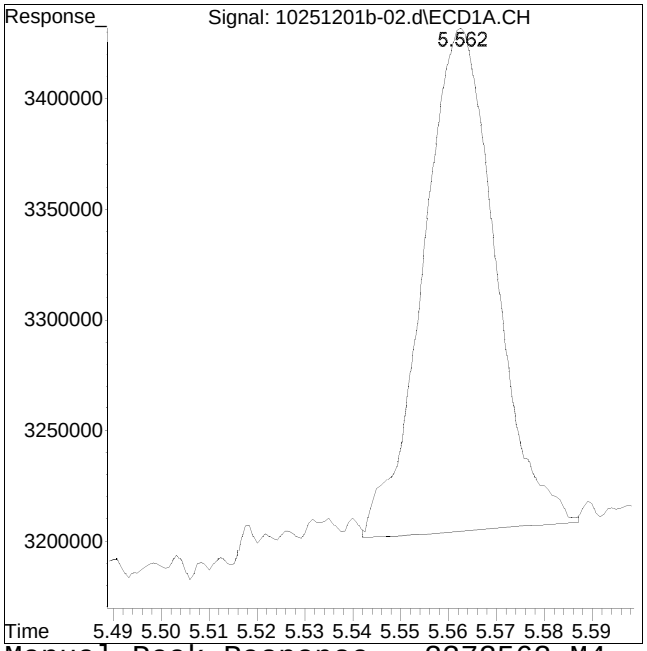
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-02.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:14 Instrument : Pest 10
Sample : pem10251201b-01,42,,deg128Quant Date : 12/1/2025 8:39 am

Compound #26: Endrin Ketone



Original Peak Response = 4414677



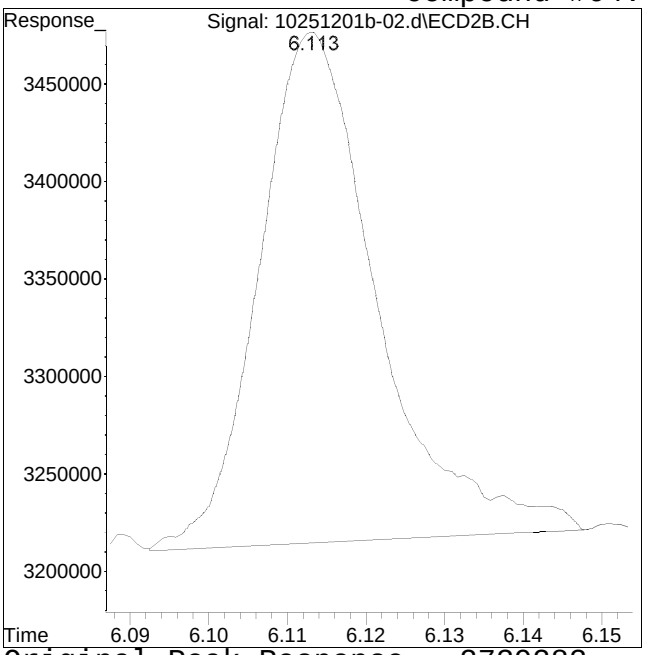
Manual Peak Response = 2373562 M4

M4 = Poor automated baseline construction.

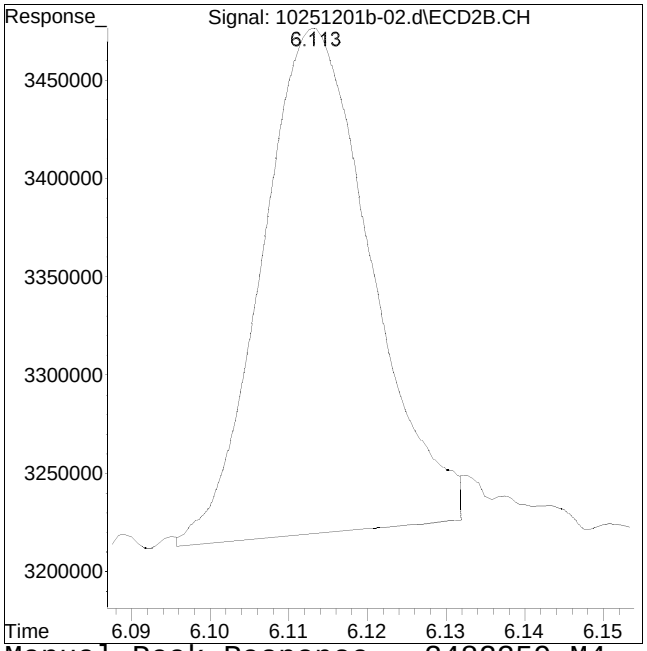
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-02.d Operator : PEST10:akm
Date Inj'd : 12/1/2025 8:14 Instrument : Pest 10
Sample : pem10251201b-01,42,,deg128Quant Date : 12/1/2025 8:39 am

Compound #64: Endrin Ketone #2



Original Peak Response = 2739283



Manual Peak Response = 2482359 M4

M4 = Poor automated baseline construction.

RT Shift Summary

Identification Summary
Form 10
Pesticides

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2575576**
Project Name	**: 1000 TURK HILL RD GWS**	**Project Number**	**: 3113.0001Y000**

No Detections Found

Pesticides Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Dec 2025 8:58
Operator : PEST10:jag
Sample : WG2147433-1,42,,
Misc : wg2147890,WG2147433,ical22829 (Sig #1); wg2147890,WG2147301,ical22829 (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 17:20:49 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:48:44 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2025\251201B\10251201b-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.345	1.406	80691738	53507728	25.000M4	25.000M4
	Standard Area 1 : #1 = 87242259				Recovery =	92.49%	
	Standard Area 1 : #2 = 86239486				Recovery =	62.05%	
28) i	1-br-2-nb_Ch	1.345	1.406	80691738	53507728	25.000M4	25.000M4
33) i	1-br-2-nb_To	1.345	1.406	80691738	53507728	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.695	1.890	146.1E6	118.4E6	33.684M4	44.034M4
	Spiked Amount 50.000		Range 30 - 150		Recovery =	67.37%	88.07%
27) s	Decachlorobi	6.357	6.970	130.7E6	113.7E6	33.699M4	48.926M4
	Spiked Amount 50.000		Range 30 - 150		Recovery =	67.40%	97.85%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Dec 2025 8:58
Operator : PEST10:jag
Sample : WG2147433-1,42,,
Misc : wg2147890,WG2147433,ical22829 (Sig #1); wg2147890,WG2147301,ical22829 (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 17:20:49 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:48:44 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2025\251201B\10251201b-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000
SemiQuant	Compounds - Not Calibrated on this Instrument						
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Dec 2025 8:58
Operator : PEST10:jag
Sample : WG2147433-1,42,,
Misc : wg2147890,WG2147433,ical22829 (Sig #1); wg2147890,WG2147301,ical22829 (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 17:20:49 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:48:44 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2025\251201B\10251201b-03.d
Sub List : Default - All compounds listed

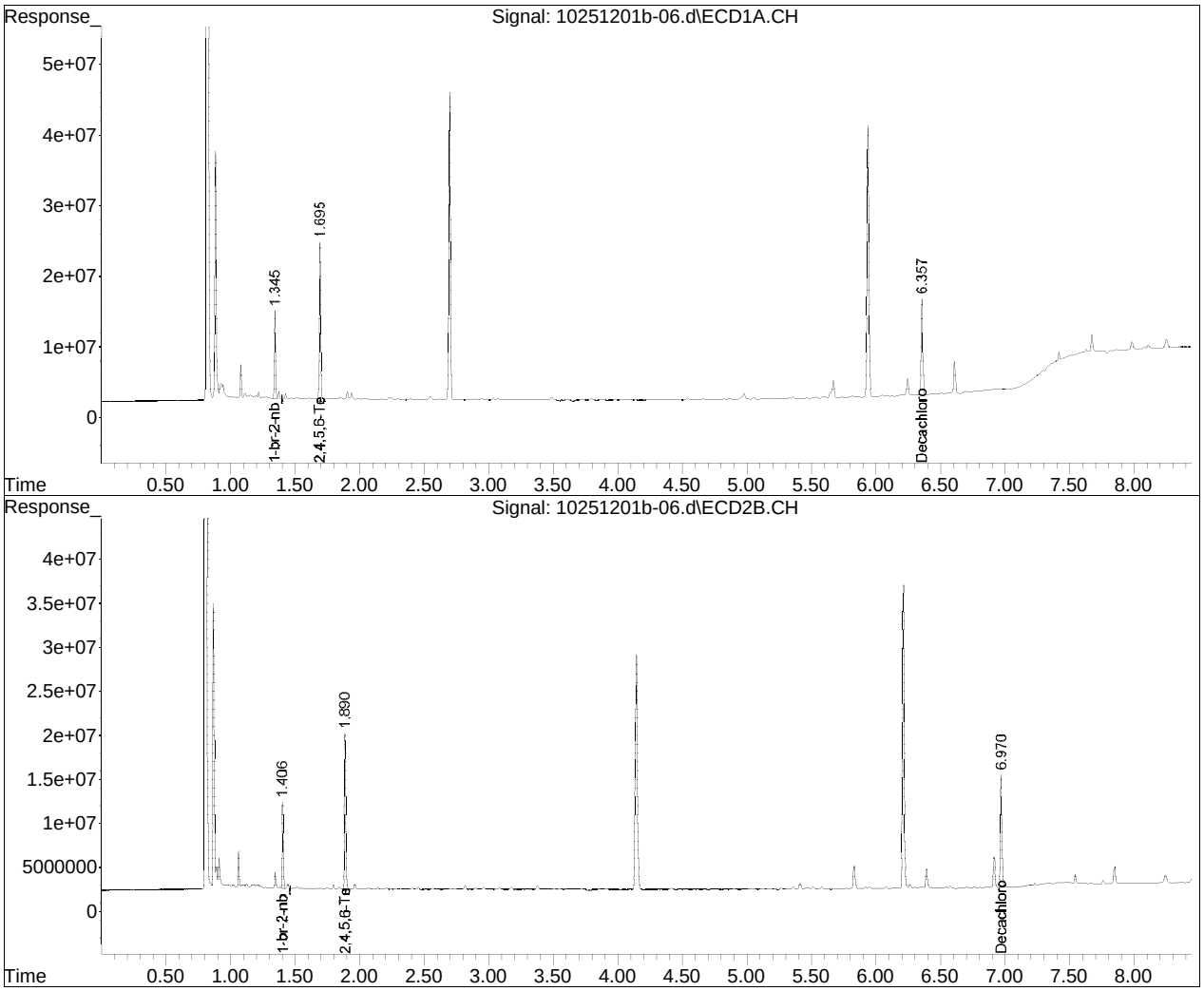
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedB\10251201b-03.d•

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Dec 2025 8:58
Operator : PEST10:jag
Sample : WG2147433-1,42,,
Misc : wg2147890,WG2147433,ical22829 (Sig #1); wg2147890,WG2147301,ical22
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 17:20:49 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:48:44 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

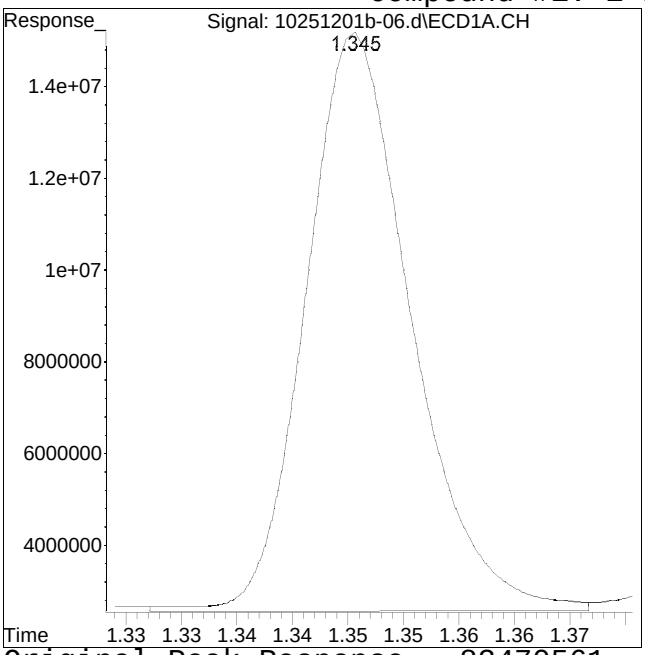


Manual Integration Report

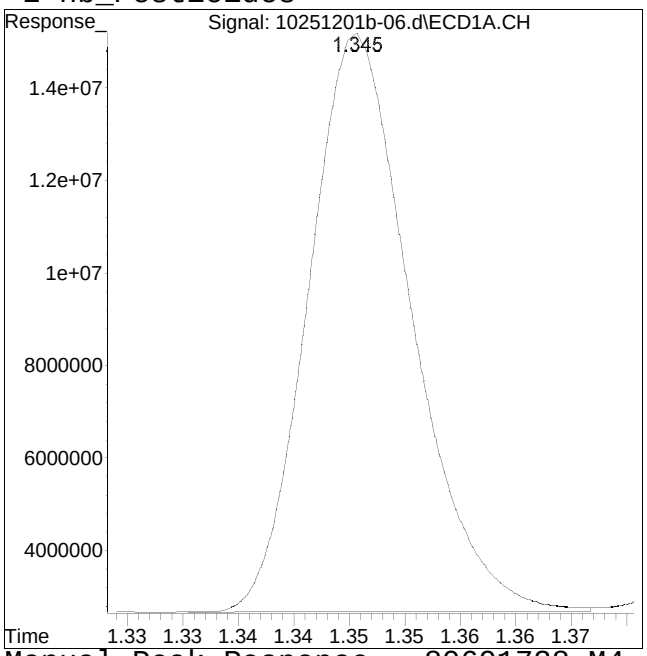
Data Path : I:\PEST\Pest10\2025\251201Q
Data File : 10251201b-06.d
Date Inj'd : 12/1/2025 8:58
Sample : WG2147433-1,42,,

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:jag
Instrument : Pest 10
Quant Date : 12/1/2025 5:20 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 83470561



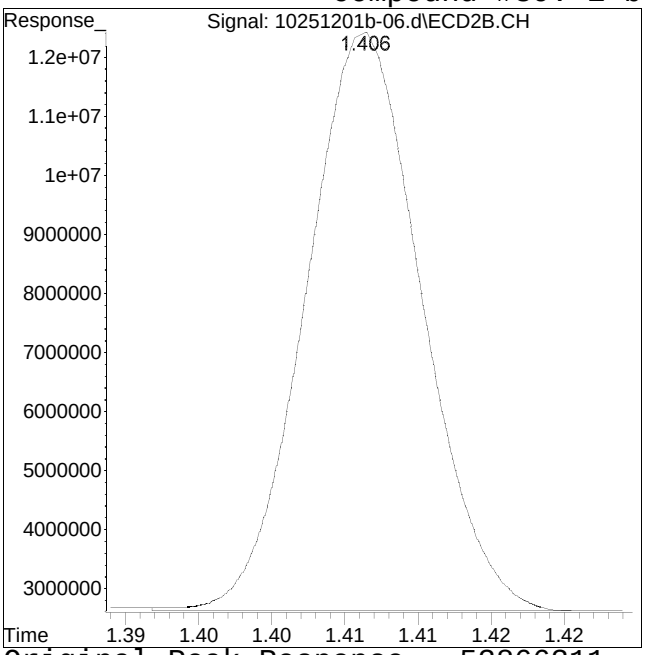
Manual Peak Response = 80691738 M4

M4 = Poor automated baseline construction.

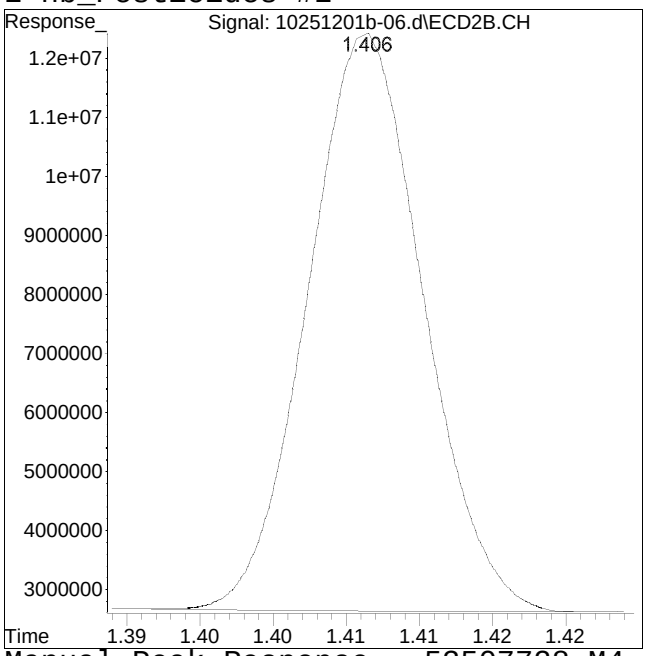
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-06.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 8:58 Instrument : Pest 10
Sample : WG2147433-1,42,, Quant Date : 12/1/2025 5:20 pm

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 53866311



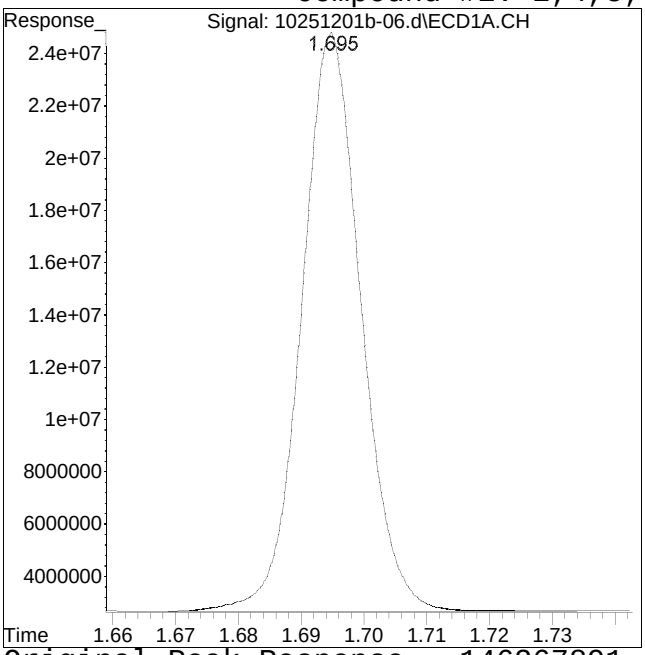
Manual Peak Response = 53507728 M4

M4 = Poor automated baseline construction.

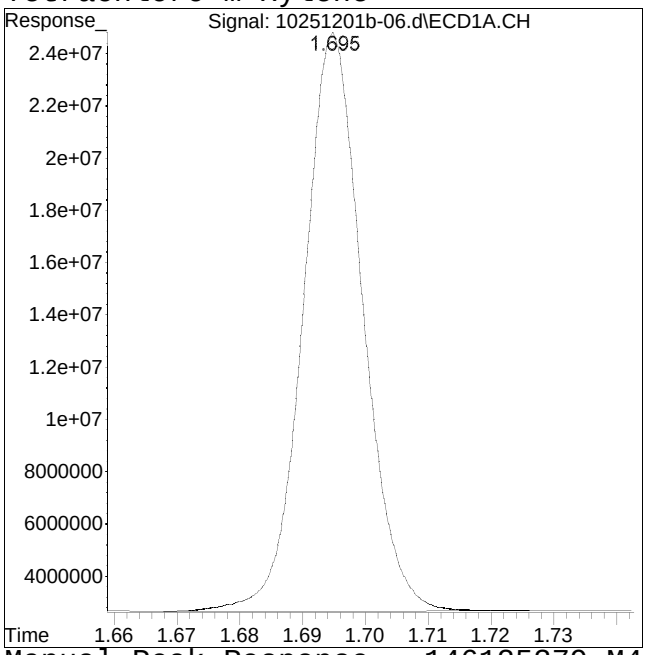
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-06.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 8:58 Instrument : Pest 10
Sample : WG2147433-1,42,, Quant Date : 12/1/2025 5:20 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 146267891



Manual Peak Response = 146125379 M4

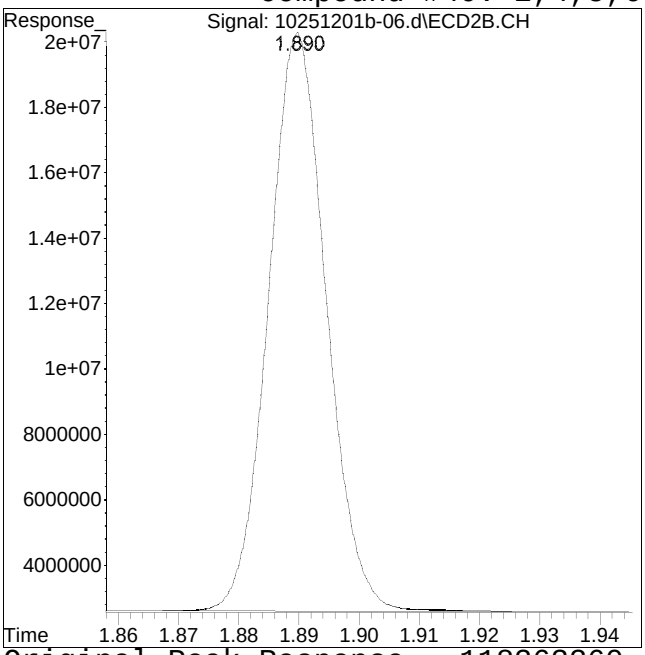
M4 = Poor automated baseline construction.

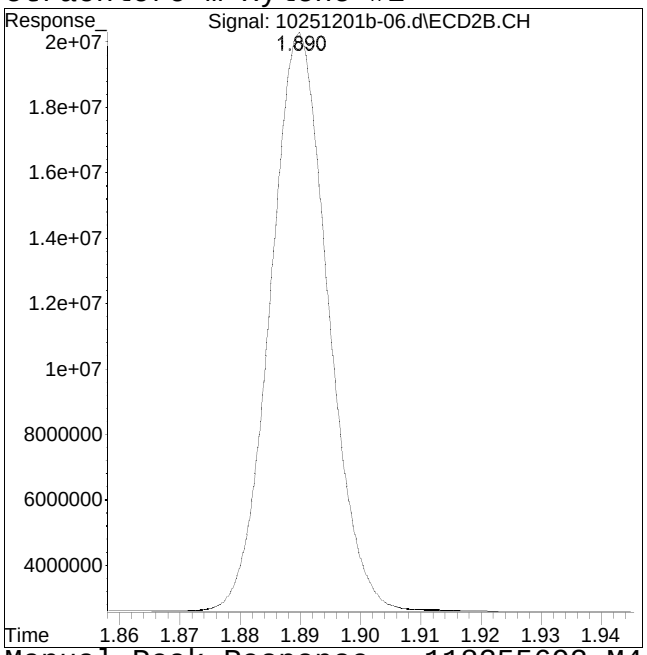
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201Q
Data File : 10251201b-06.d
Date Inj'd : 12/1/2025 8:58
Sample : WG2147433-1,42,,

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:jag
Instrument : Pest 10
Quant Date : 12/1/2025 5:20 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



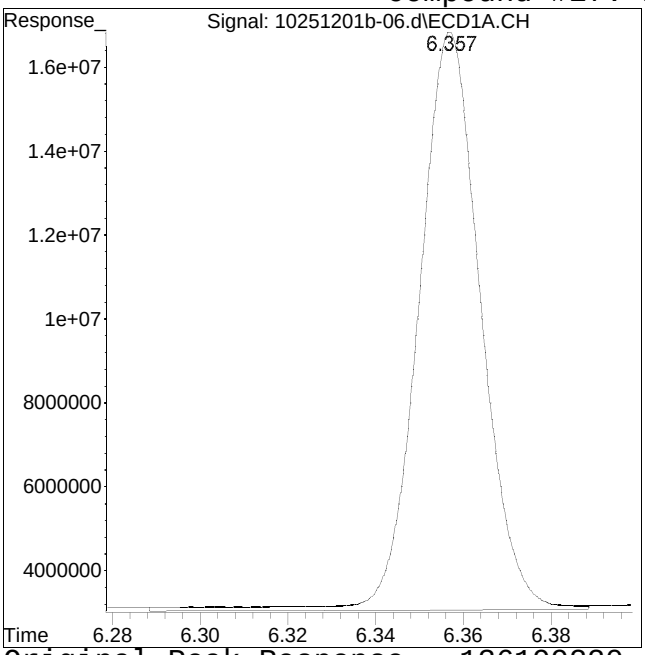


Original Peak Response = 118363360 Manual Peak Response = 118355692 M4
M4 = Poor automated baseline construction.

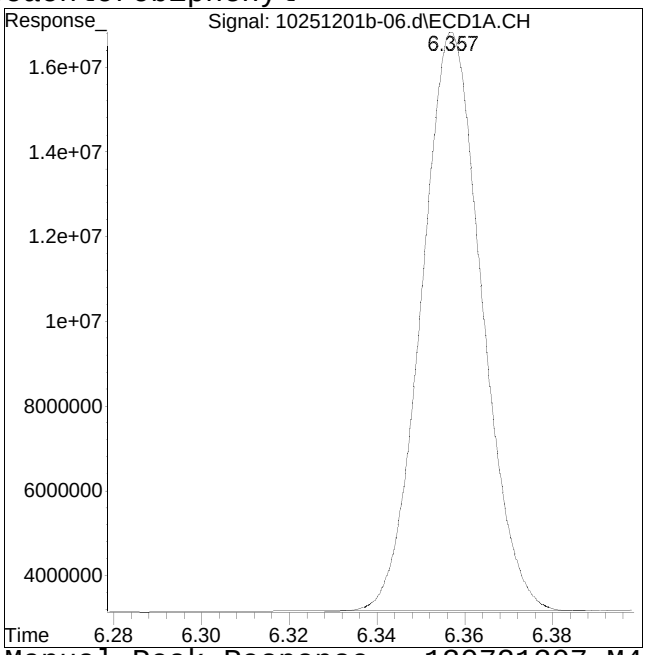
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-06.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 8:58 Instrument : Pest 10
Sample : WG2147433-1,42,, Quant Date : 12/1/2025 5:20 pm

Compound #27: Decachlorobiphenyl



Original Peak Response = 136199220



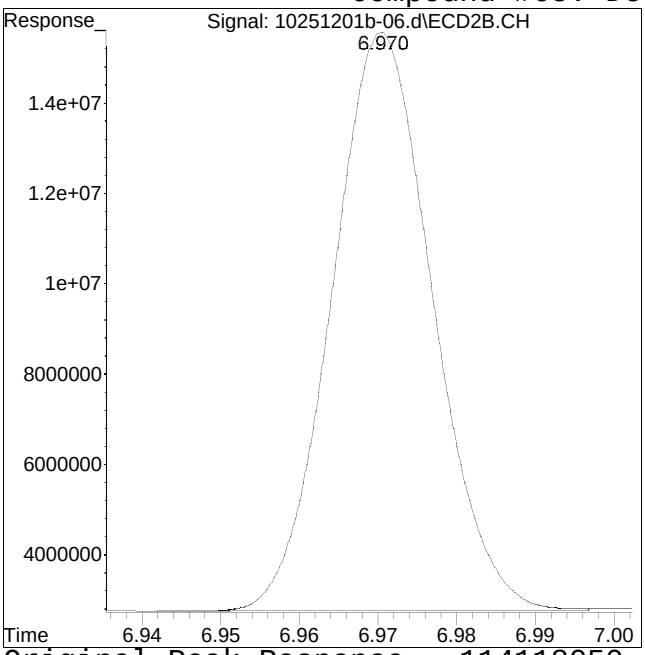
Manual Peak Response = 130721307 M4

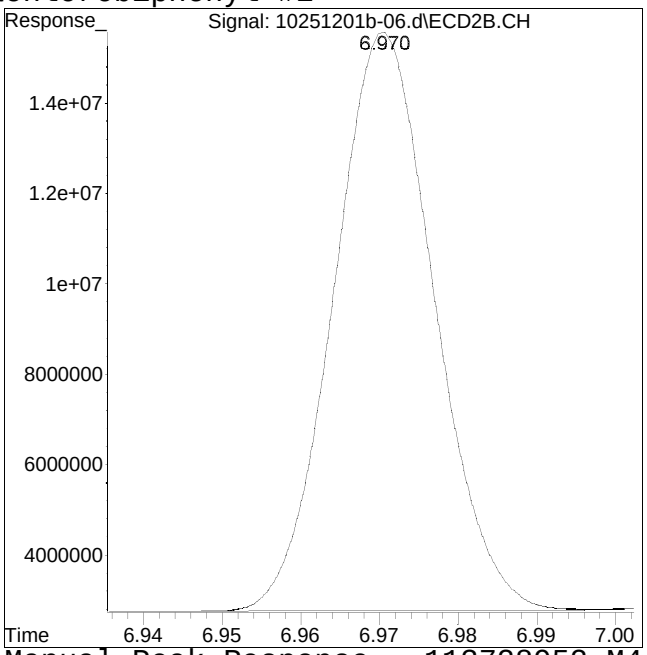
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-06.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 8:58 Instrument : Pest 10
Sample : WG2147433-1,42,, Quant Date : 12/1/2025 5:20 pm

Compound #65: Decachlorobiphenyl #2



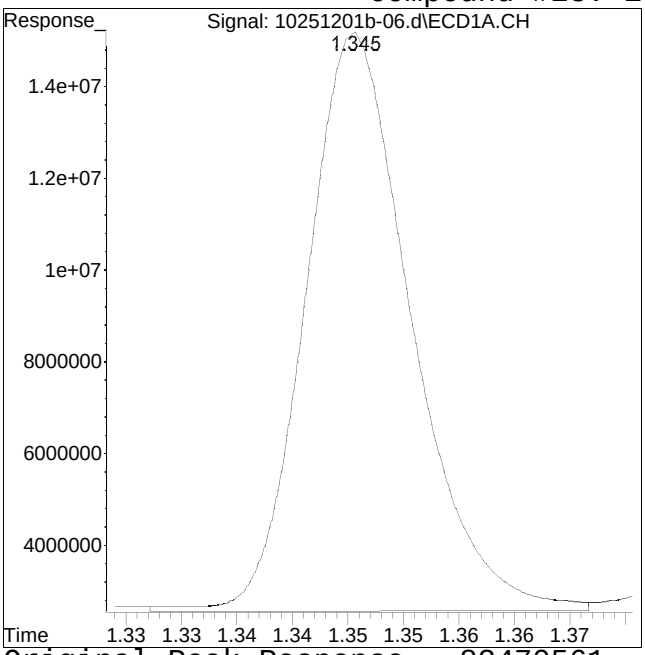


Original Peak Response = 114118050 Manual Peak Response = 113728952 M4
M4 = Poor automated baseline construction.

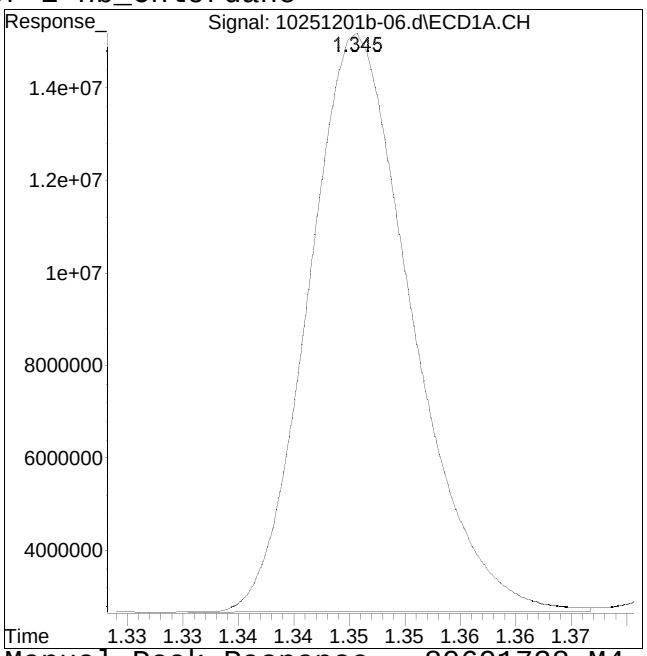
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-06.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 8:58 Instrument : Pest 10
Sample : WG2147433-1,42,, Quant Date : 12/1/2025 5:20 pm

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 83470561



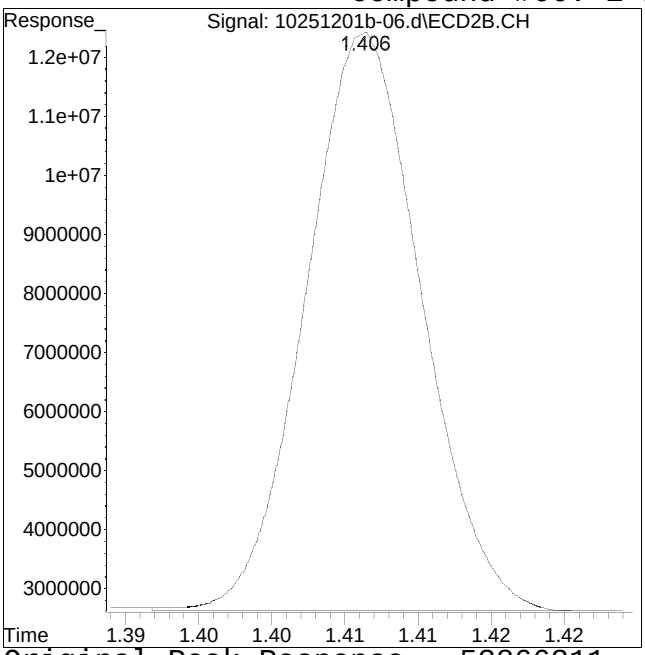
Manual Peak Response = 80691738 M4

M4 = Poor automated baseline construction.

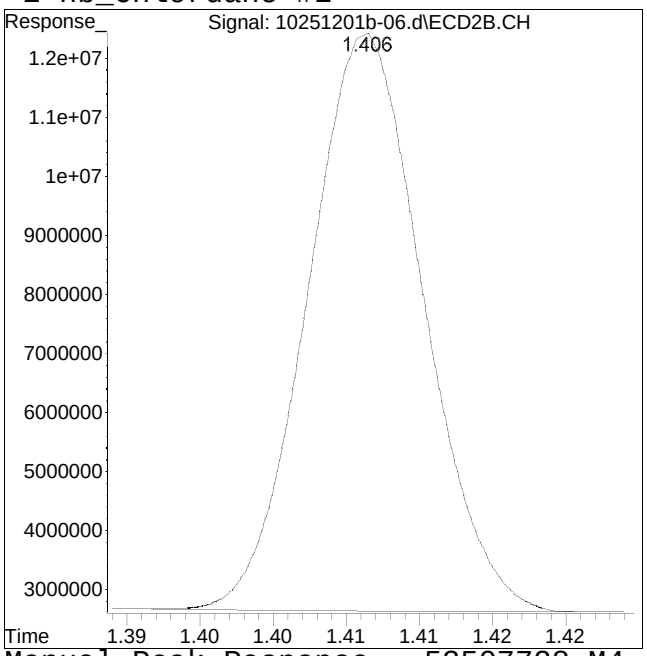
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-06.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 8:58 Instrument : Pest 10
Sample : WG2147433-1,42,, Quant Date : 12/1/2025 5:20 pm

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 53866311



Manual Peak Response = 53507728 M4

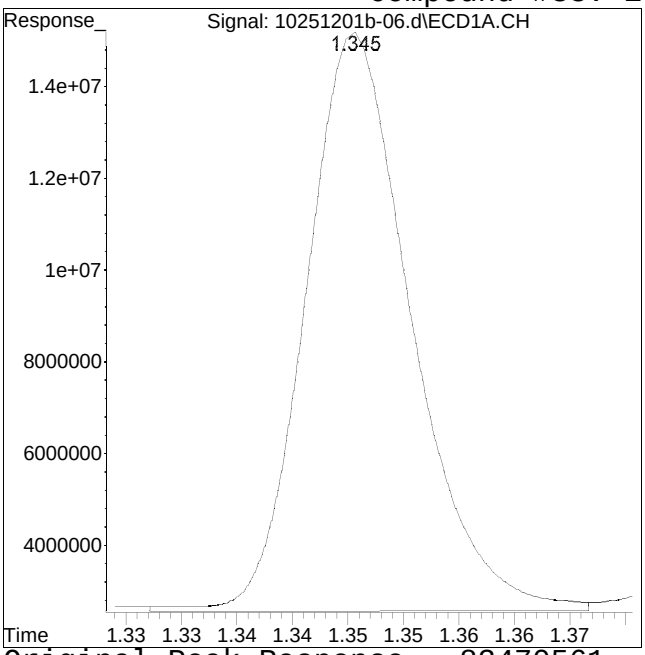
M4 = Poor automated baseline construction.

Manual Integration Report

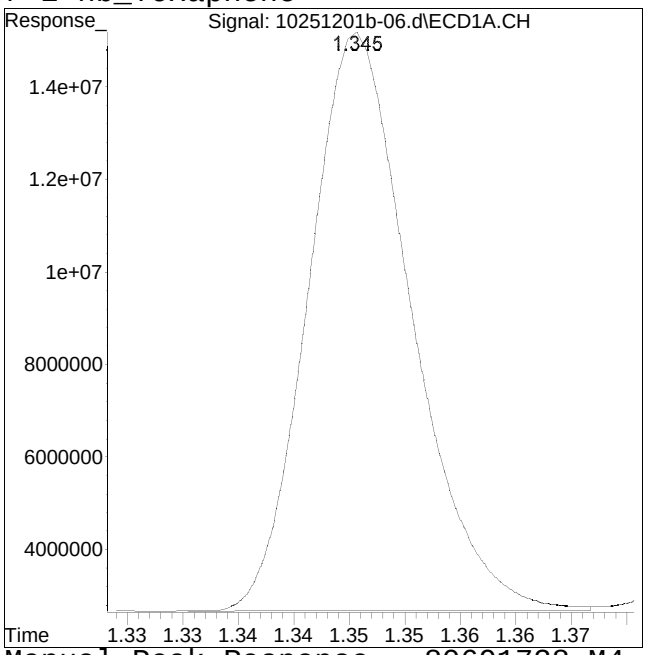
Data Path : I:\PEST\Pest10\2025\251201Q
Data File : 10251201b-06.d
Date Inj'd : 12/1/2025 8:58
Sample : WG2147433-1,42,,

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:jag
Instrument : Pest 10
Quant Date : 12/1/2025 5:20 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 83470561



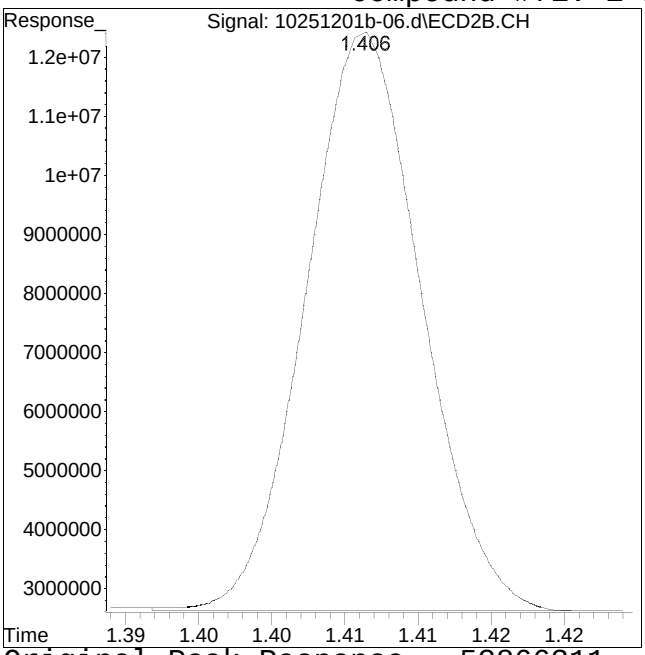
Manual Peak Response = 80691738 M4

M4 = Poor automated baseline construction.

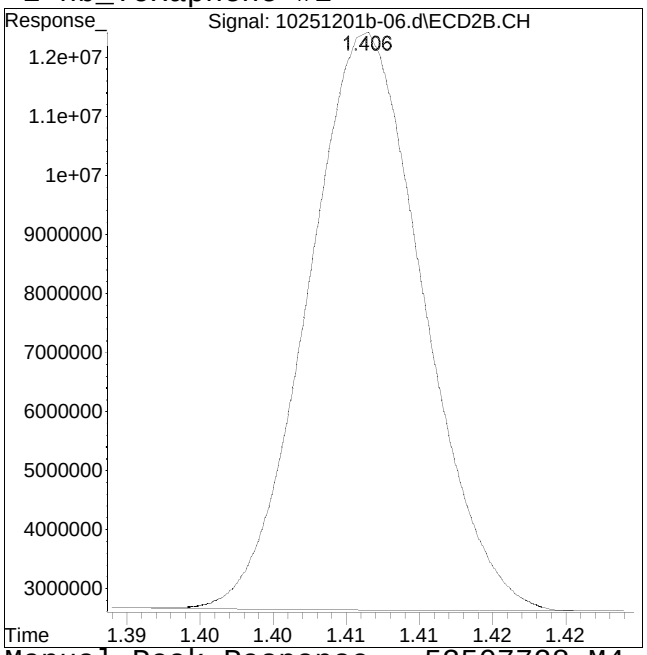
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-06.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 8:58 Instrument : Pest 10
Sample : WG2147433-1,42,, Quant Date : 12/1/2025 5:20 pm

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 53866311



Manual Peak Response = 53507728 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Dec 2025 9:09
Operator : PEST10:jag
Sample : WG2147433-2,42,,
Misc : wg2147890,WG2147433,ical22829
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 17:20:51 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:48:44 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2025\251201B\10251201b-03.d
Sub List : LCS_MS - spk only

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.346	1.406	81230347	53077646	25.000M4	25.000M4
	Standard Area 1 : #1 = 87242259				Recovery =	93.11%	
	Standard Area 1 : #2 = 86239486				Recovery =	61.55%	
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.696	1.889	145.4E6	117.2E6	33.285M4	43.948M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =	66.57%	87.90%	
27) s	Decachlorobi	6.357	6.970	128.5E6	111.5E6	32.894M4	48.346M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =	65.79%	96.69%	
Target Compounds							
4) t	alpha-BHC	2.015	2.312	221.5E6	183.7E6	41.222M4	52.115M4
5) t	gamma-BHC (l	2.222	2.602	222.2E6	178.6E6	43.040M4	53.272M4
6) t	beta-BHC	2.279	2.666	94696093	76425054	39.733M4	48.638M4
7) t	delta-BHC	2.410	2.937	171.7E6	135.0E6	35.456M4	42.507M4
8) t	Heptachlor	2.576	3.005	207.7E6	159.8E6	42.175M4	52.133M4
9) t	Aldrin	2.824	3.329	185.4E6	154.6E6	38.105M4	49.502M4
12) t	Heptachlor E	3.379	3.951	186.6E6	150.1E6	42.732M4	53.578
13) t	gamma-Chlord	3.504	4.173	192.6E6	156.4E6	39.749M4	51.350
14) t	alpha-Chlord	3.641	4.340	181.2E6	152.0E6	37.467M4	50.264M4
15) t	4,4'-DDE	3.738	4.534	187.7E6	149.5E6	39.422M4	50.910M4
16) t	Endosulfan I	3.781	4.401	176.7E6	144.9E6	39.959M4	52.581
17) t	Dieldrin	4.045	4.689	196.9E6	158.4E6	41.494M4	50.664M4
18) t	Endrin	4.300	4.984	154.4E6	123.0E6	34.253M4	44.760M4
19) t	4,4'-DDD	4.404	5.103	161.4E6	130.6E6	43.432M4	59.433M4
20) t	Endosulfan I	4.536	5.181	168.4E6	137.4E6	40.752M4	55.562M4
21) t	4,4'-DDT	4.693	5.379	178.6E6	137.2E6	46.931M4	61.632M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Dec 2025 9:09
Operator : PEST10:jag
Sample : WG2147433-2,42,,
Misc : wg2147890,WG2147433,ical22829
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 17:20:51 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:48:44 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2025\251201B\10251201b-03.d
Sub List : LCS_MS - spk only

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t Endrin Aldeh	4.948	5.475	111.7E6	93400566	34.881M4	48.613M4
23) t Methoxychlor	5.174	5.940	94609706	73832231	44.307M4	60.002M4
25) t Endosulfan S	5.338	5.703	149.7E6	123.1E6	39.416M4	53.432M4
26) t Endrin Keton	5.563	6.114	209.9E6	178.1E6	47.919M4	68.444M4
Sum chlordane-1			0	0	N.D.	N.D.
Average chlordane-1					0.000	0.000
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000

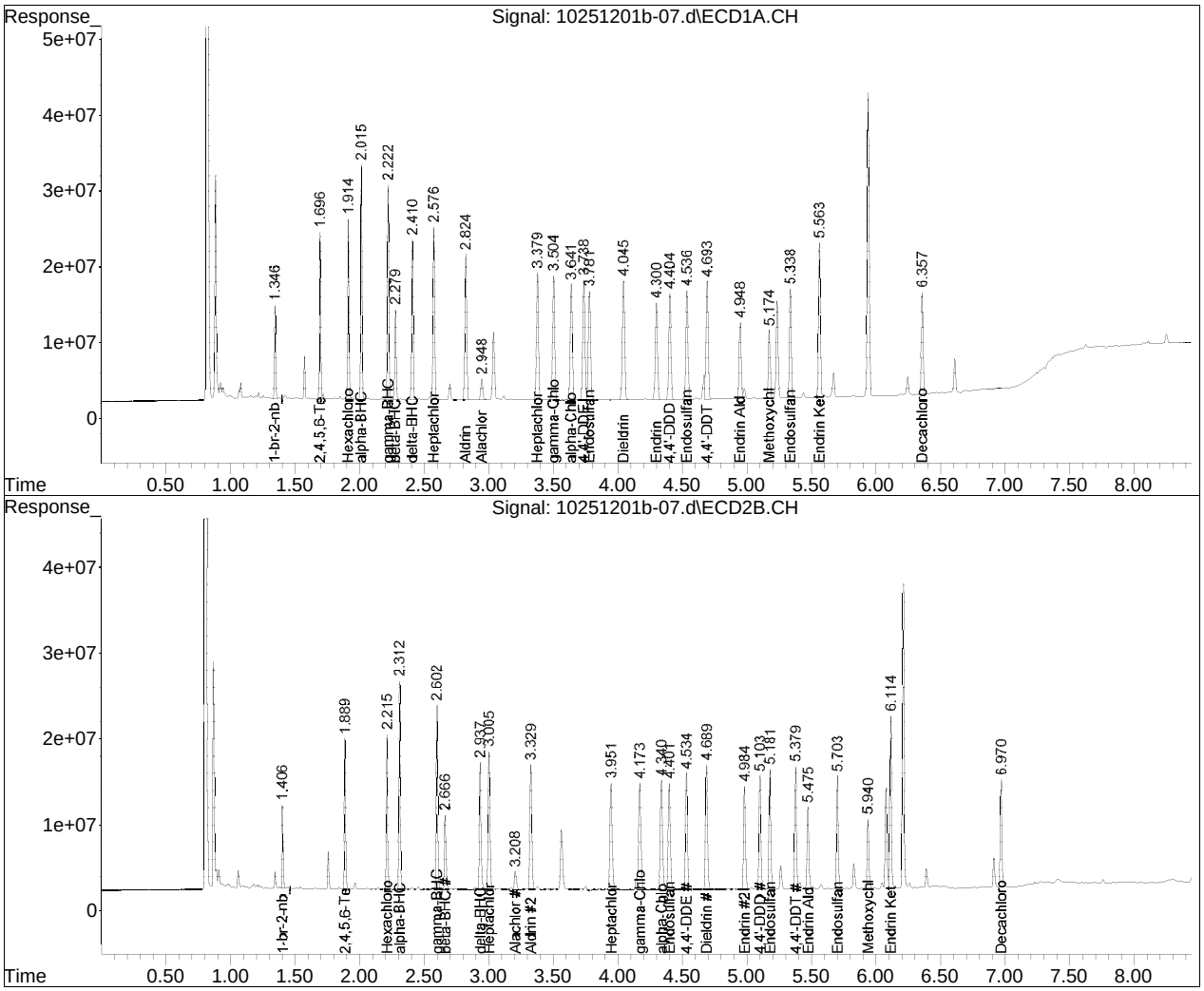
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : LCS_MS - spk only0\2025\251201B\10251201b-03.d•

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Dec 2025 9:09
Operator : PEST10:jag
Sample : WG2147433-2,42,,
Misc : wg2147890,WG2147433,ical22829
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 17:20:51 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:48:44 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

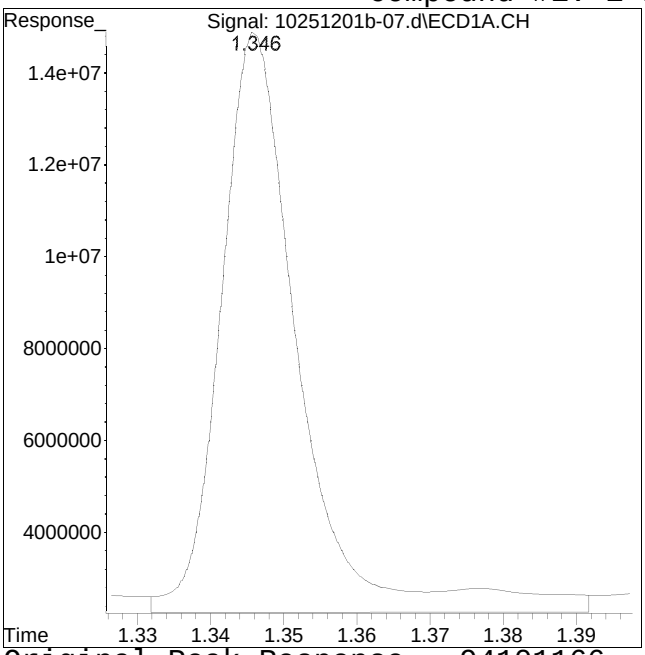
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



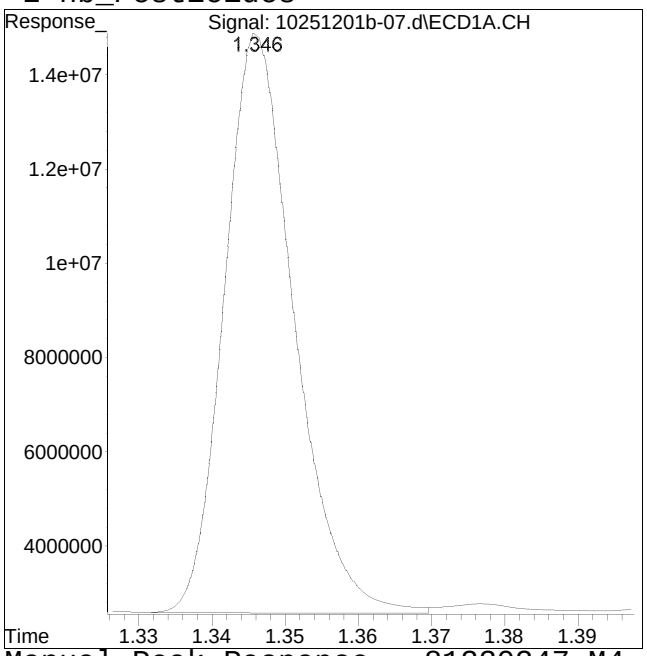
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 94101166



Manual Peak Response = 81230347 M4

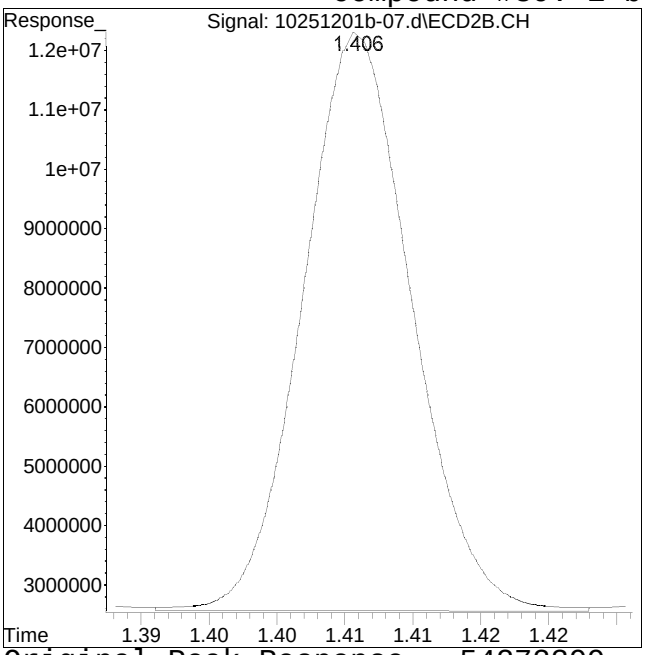
M4 = Poor automated baseline construction.

Manual Integration Report

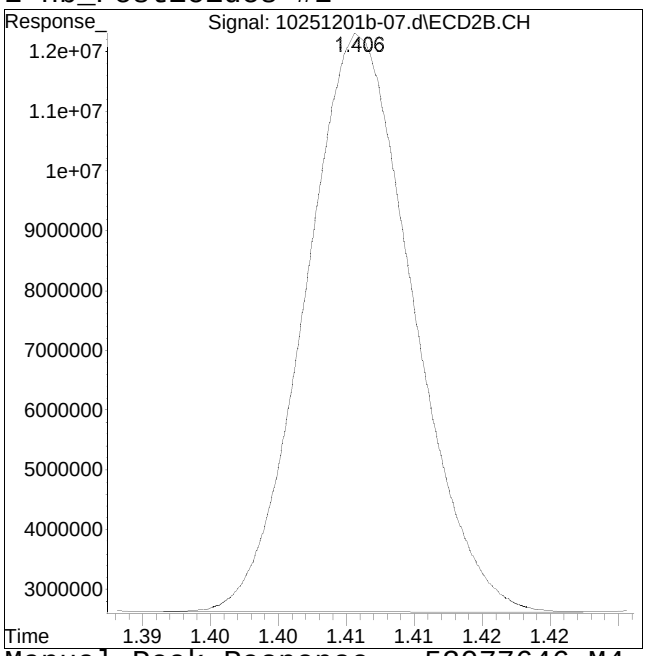
Data Path : I:\PEST\Pest10\2025\251201Q
Data File : 10251201b-07.d
Date Inj'd : 12/1/2025 9:09
Sample : WG2147433-2,42,,

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:jag
Instrument : Pest 10
Quant Date : 12/1/2025 5:20 pm

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 54272399



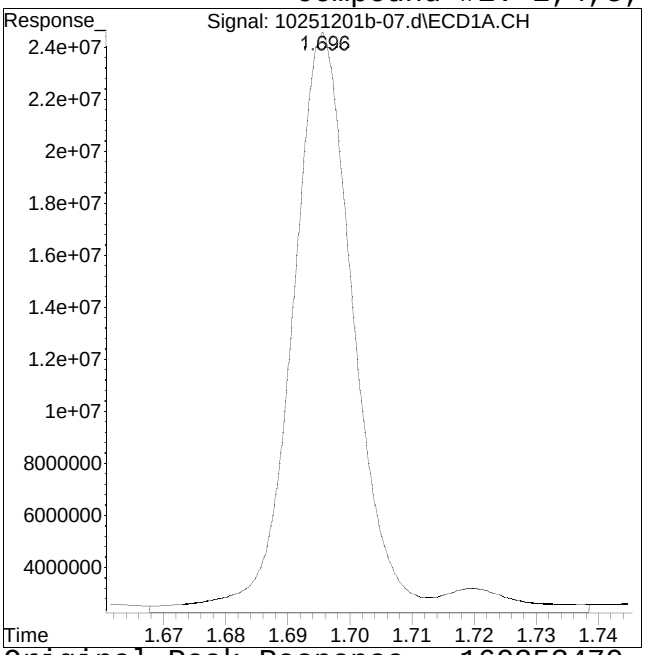
Manual Peak Response = 53077646 M4

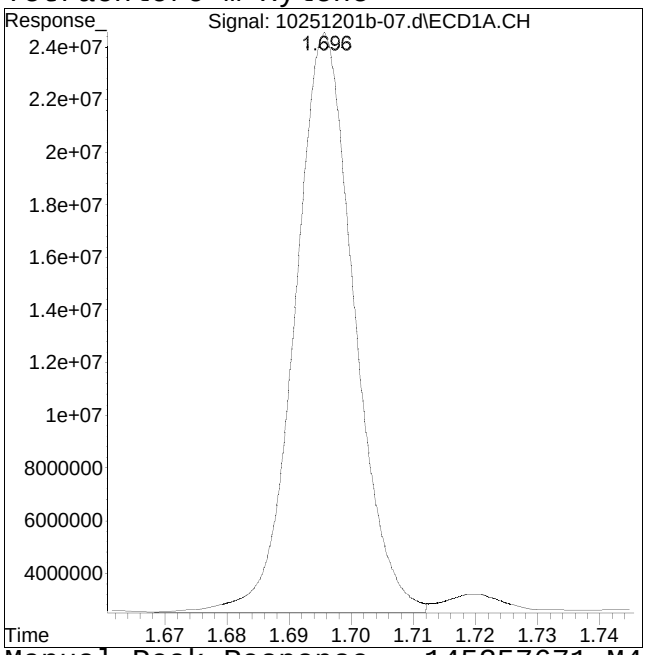
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



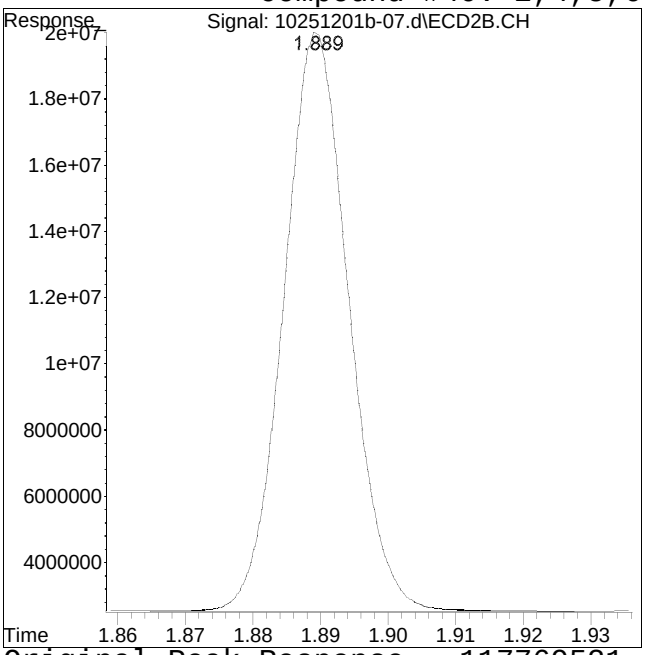


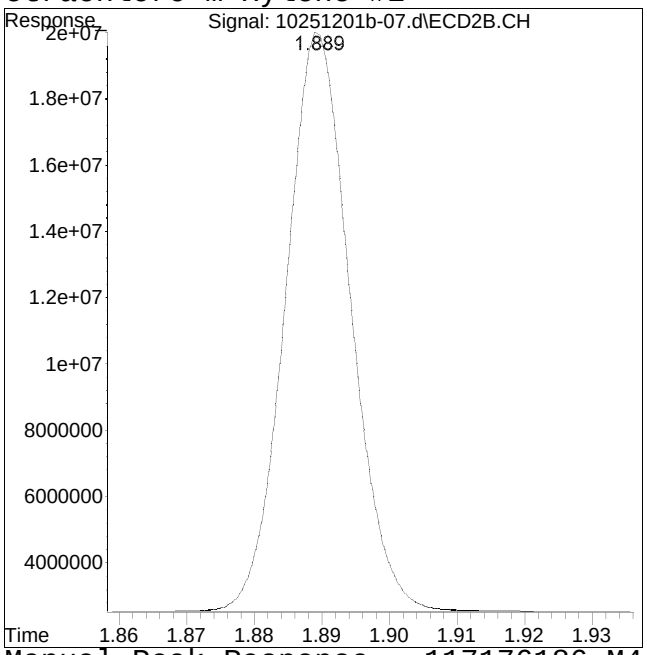
Original Peak Response = 160353470 Manual Peak Response = 145357671 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



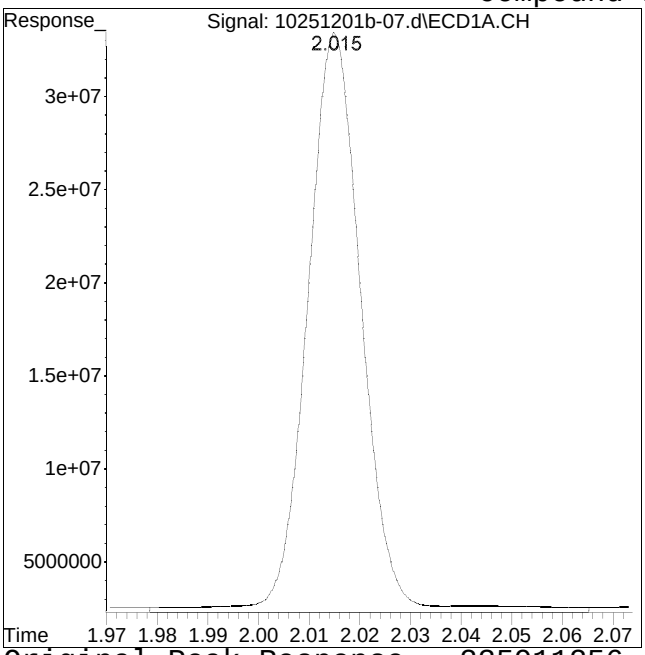


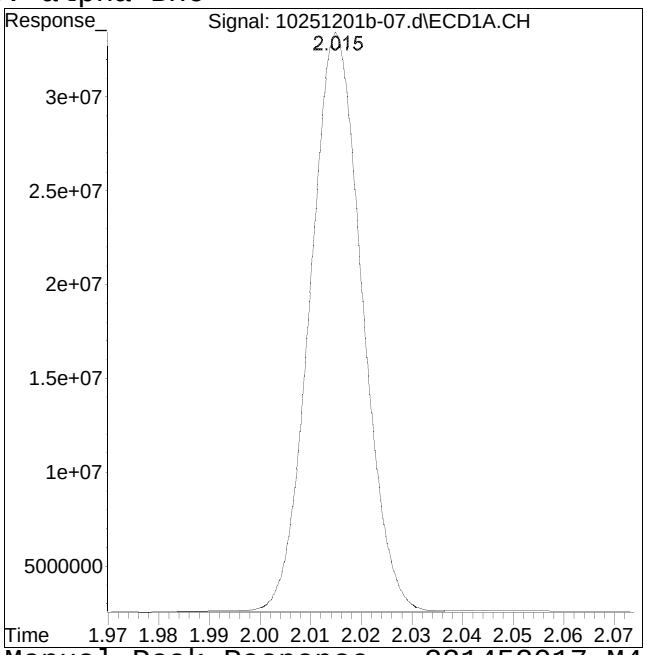
Original Peak Response = 117769521 Manual Peak Response = 117176186 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #4: alpha-BHC



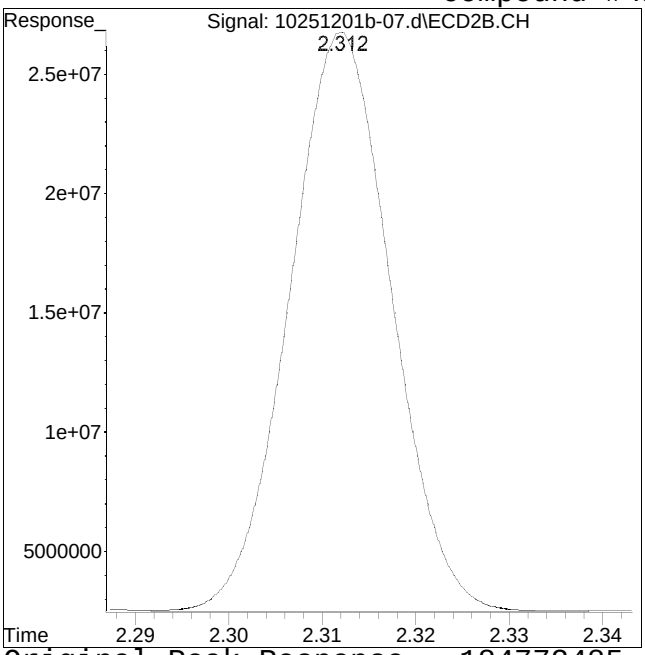


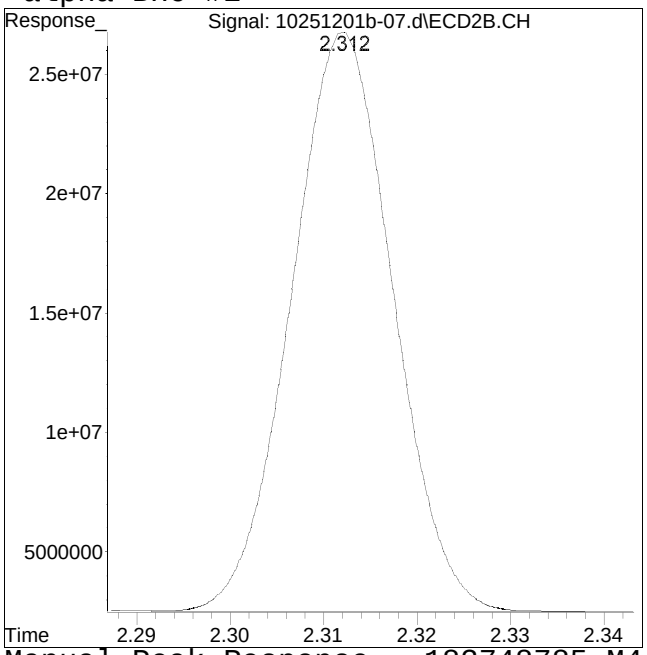
Original Peak Response = 235911256 Manual Peak Response = 221452017 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #42: alpha-BHC #2



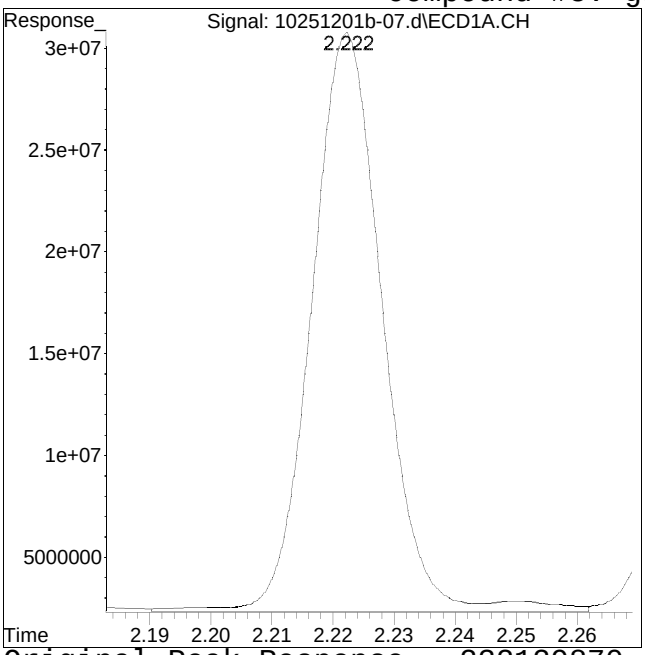


Original Peak Response = 184772485 Manual Peak Response = 183748785 M4
M4 = Poor automated baseline construction.

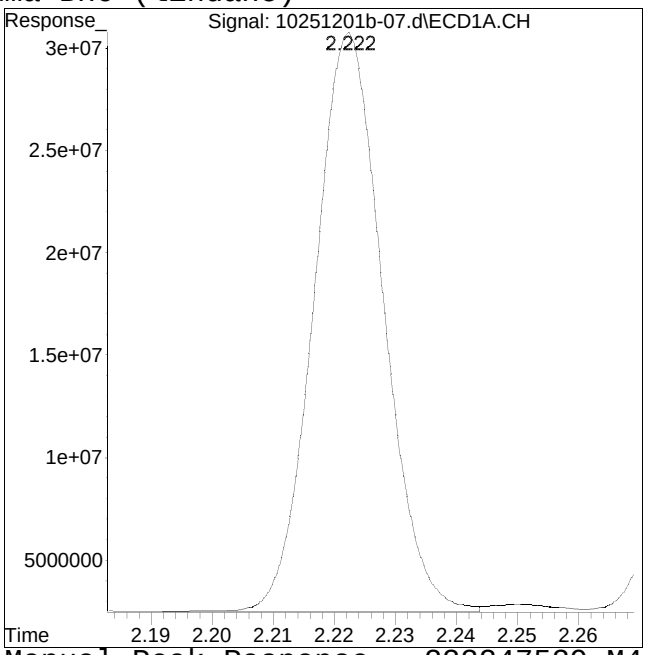
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #5: gamma-BHC (lindane)



Original Peak Response = 232129870



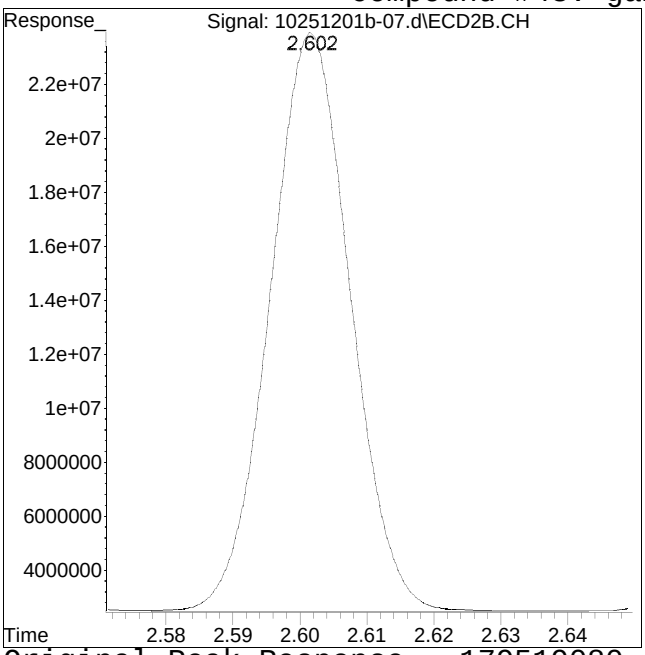
Manual Peak Response = 222247529 M4

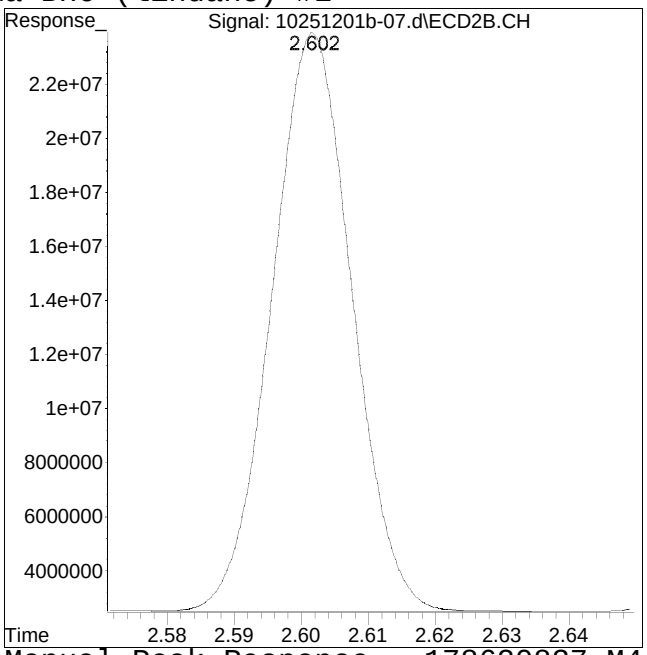
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #43: gamma-BHC (lindane) #2



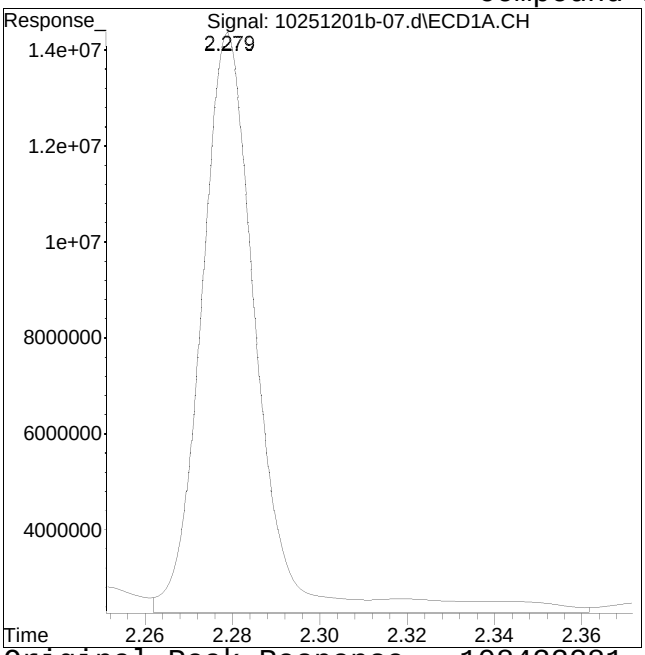


Original Peak Response = 179519080 Manual Peak Response = 178620837 M4
M4 = Poor automated baseline construction.

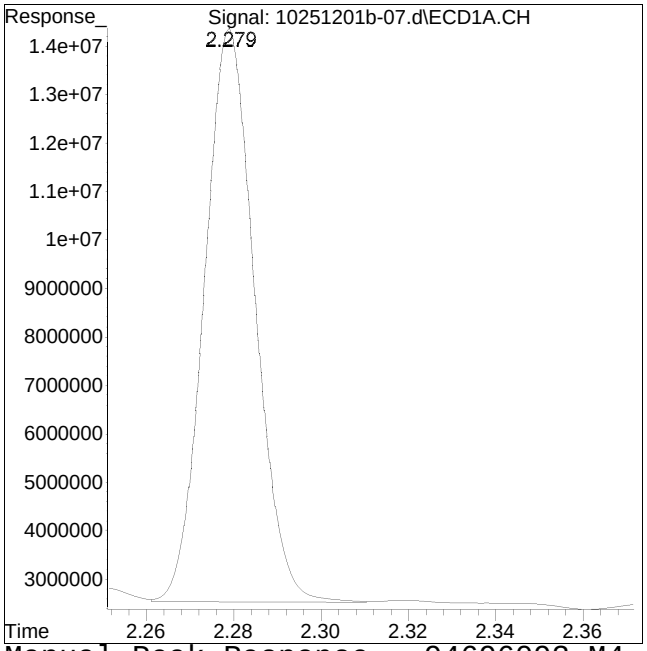
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #6: beta-BHC



Original Peak Response = 108432281



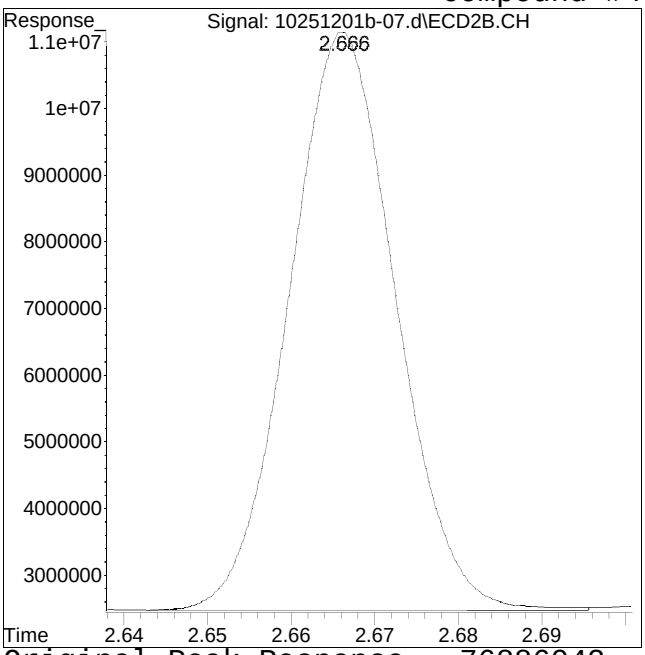
Manual Peak Response = 94696093 M4

M4 = Poor automated baseline construction.

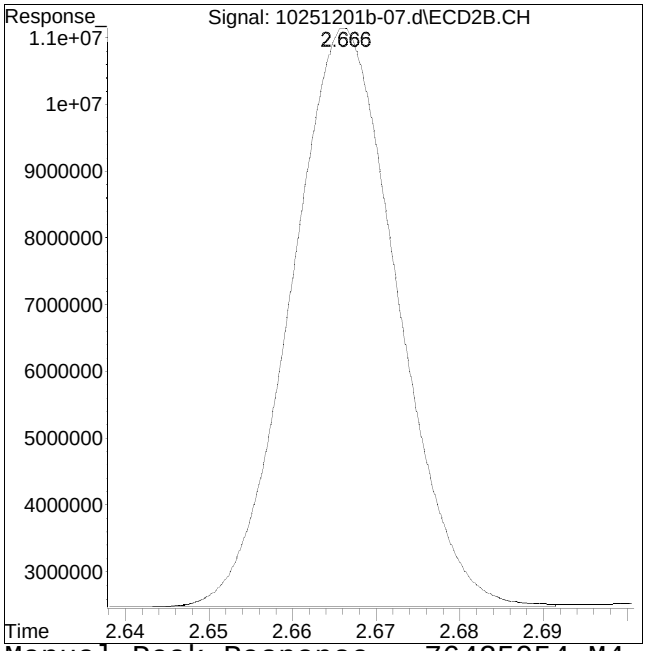
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #44: beta-BHC #2



Original Peak Response = 76886042



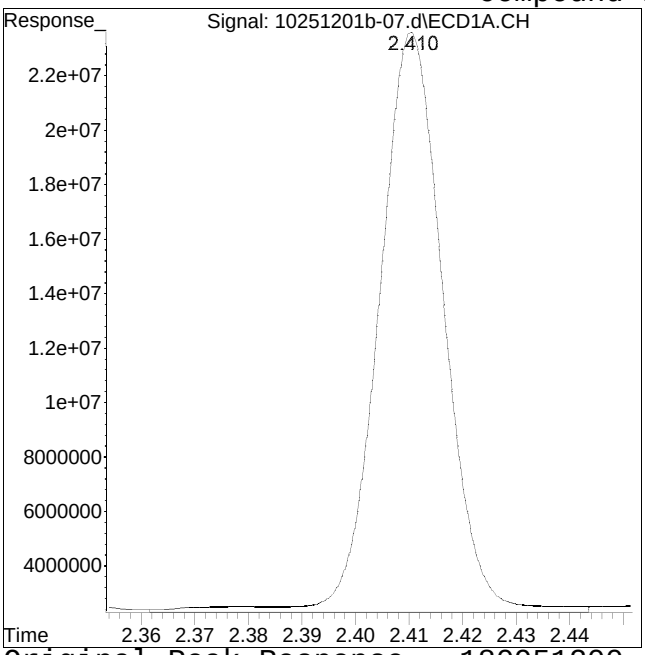
Manual Peak Response = 76425054 M4

M4 = Poor automated baseline construction.

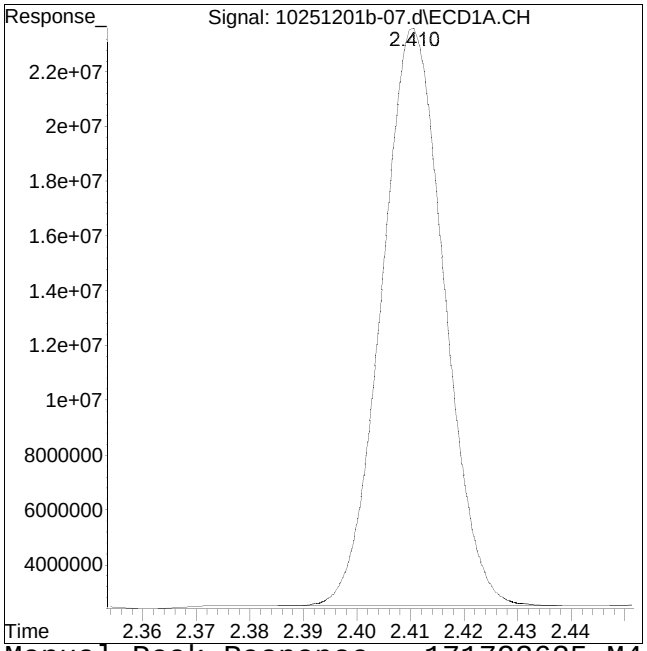
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #7: delta-BHC



Original Peak Response = 180951200



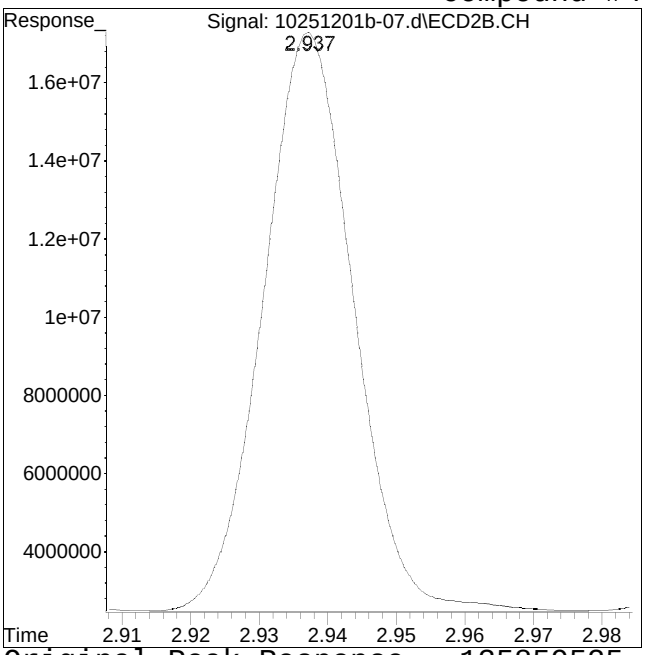
Manual Peak Response = 171723625 M4

M4 = Poor automated baseline construction.

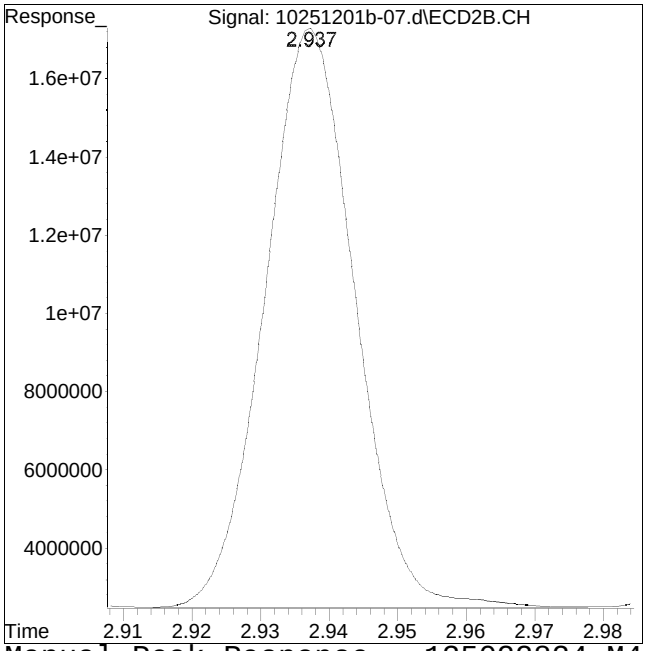
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #45: delta-BHC #2



Original Peak Response = 135859525



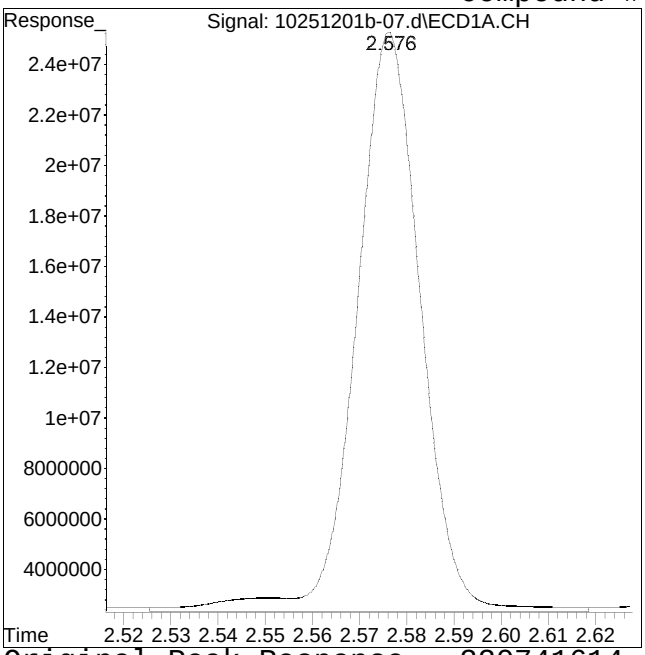
Manual Peak Response = 135022824 M4

M4 = Poor automated baseline construction.

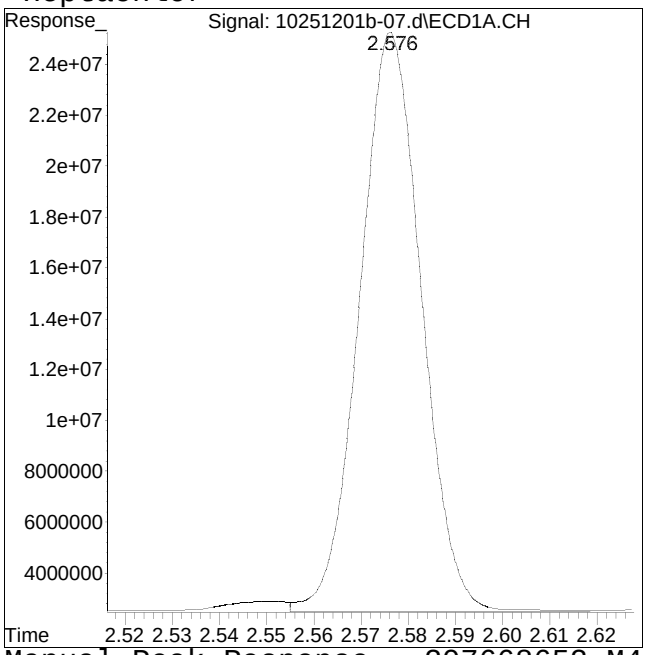
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #8: Heptachlor



Original Peak Response = 220741614



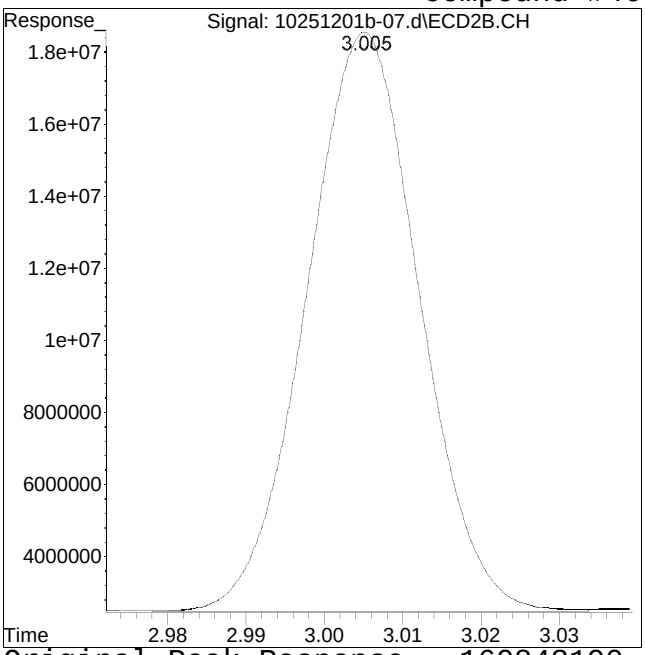
Manual Peak Response = 207668652 M4

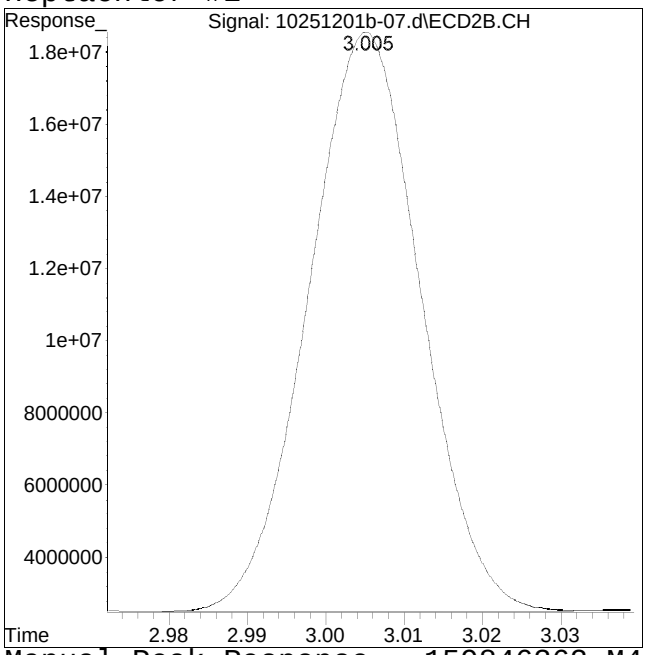
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #46: Heptachlor #2



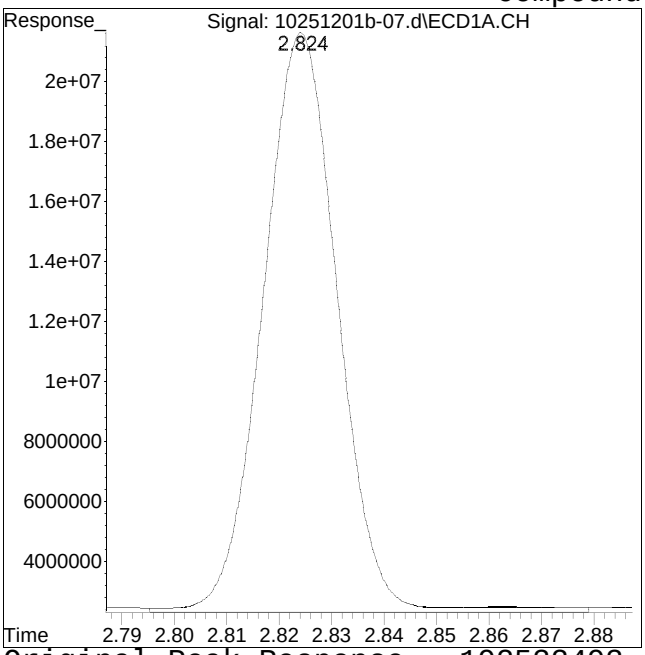


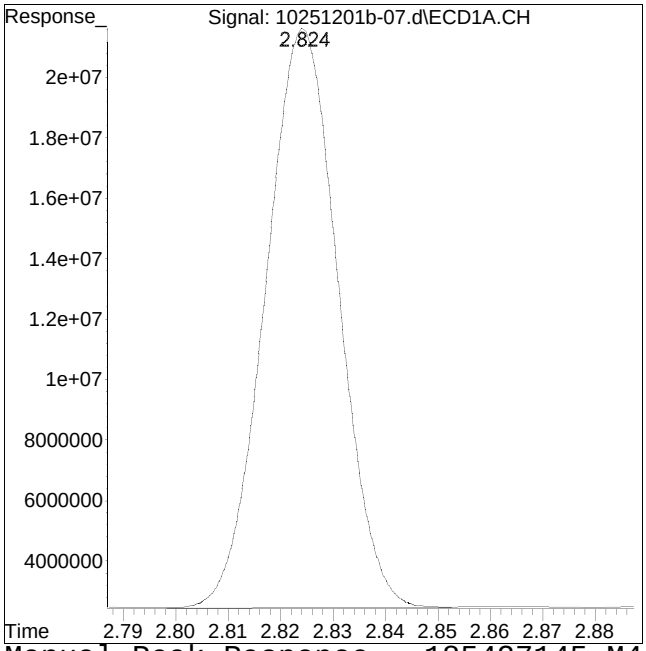
Original Peak Response = 160843190 Manual Peak Response = 159846362 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #9: Aldrin



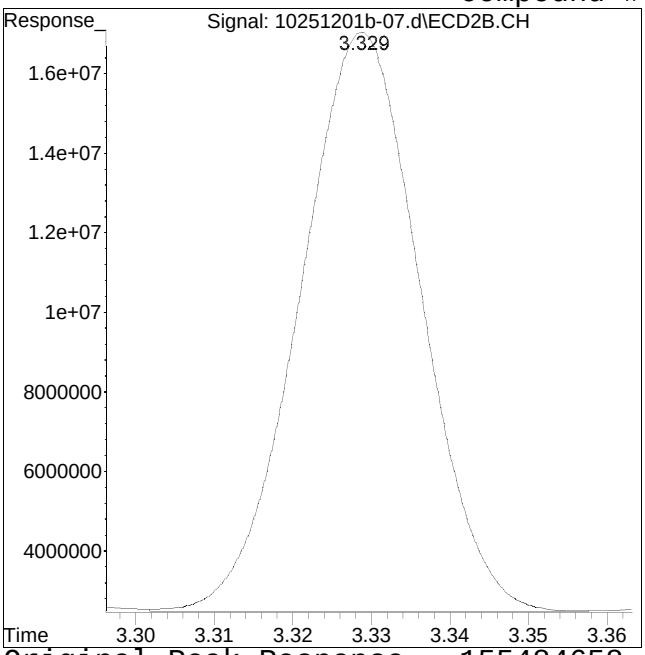


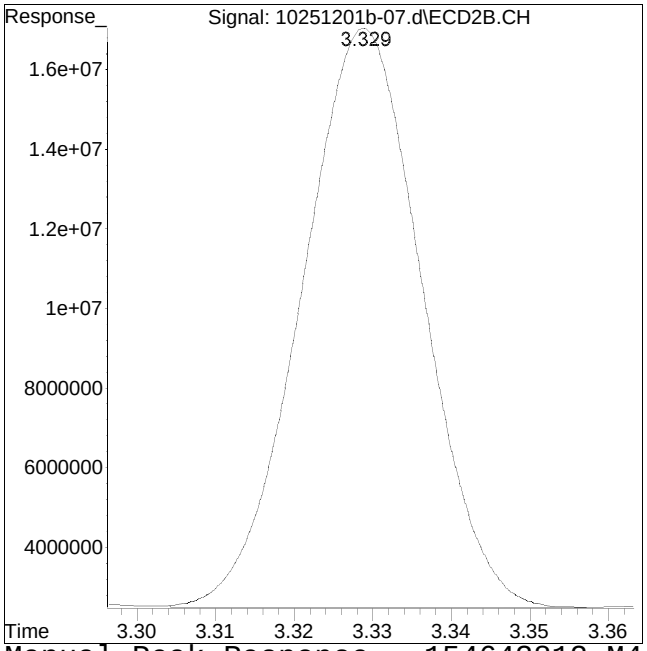
Original Peak Response = 192532493 Manual Peak Response = 185427145 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #47: Aldrin #2



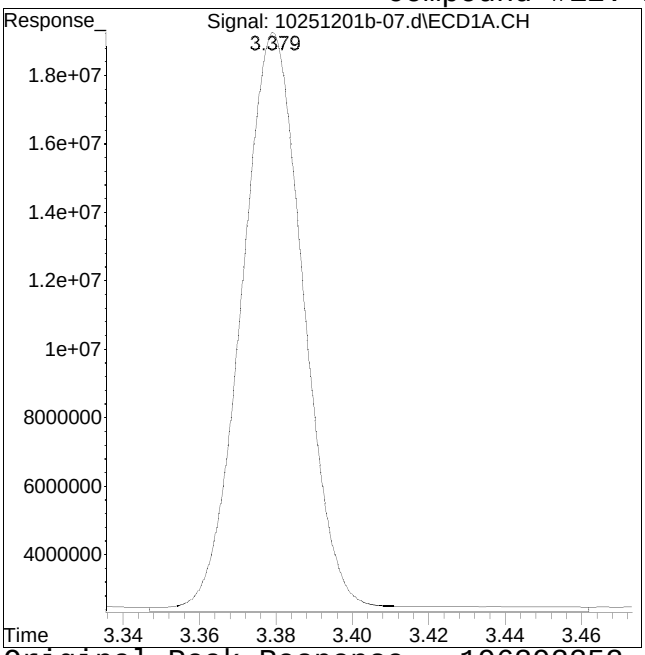


Original Peak Response = 155484658 Manual Peak Response = 154643812 M4
M4 = Poor automated baseline construction.

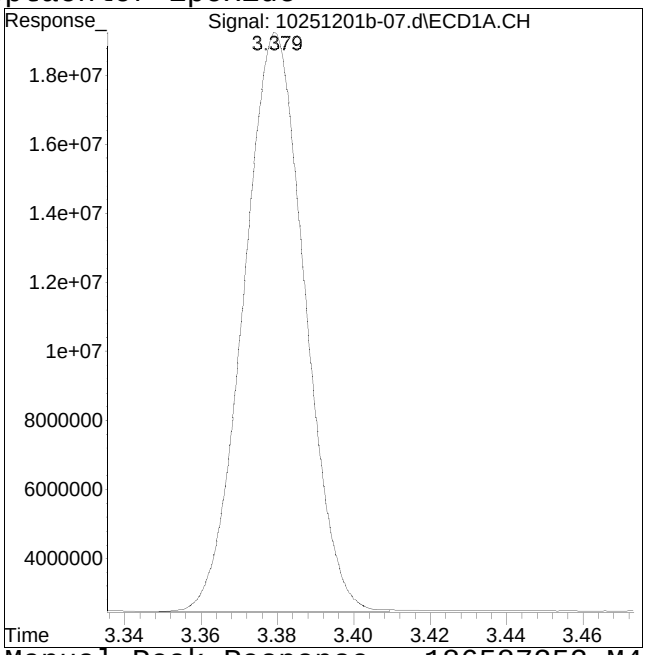
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #12: Heptachlor Epoxide



Original Peak Response = 196392352



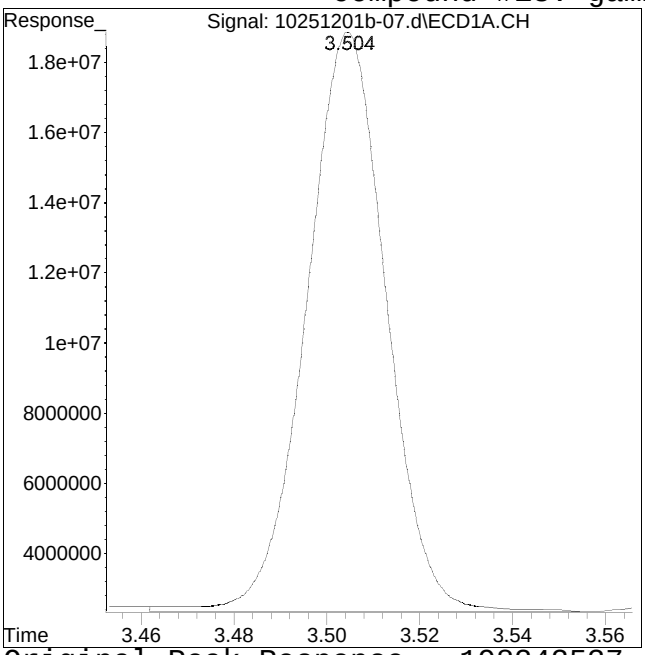
Manual Peak Response = 186587352 M4

M4 = Poor automated baseline construction.

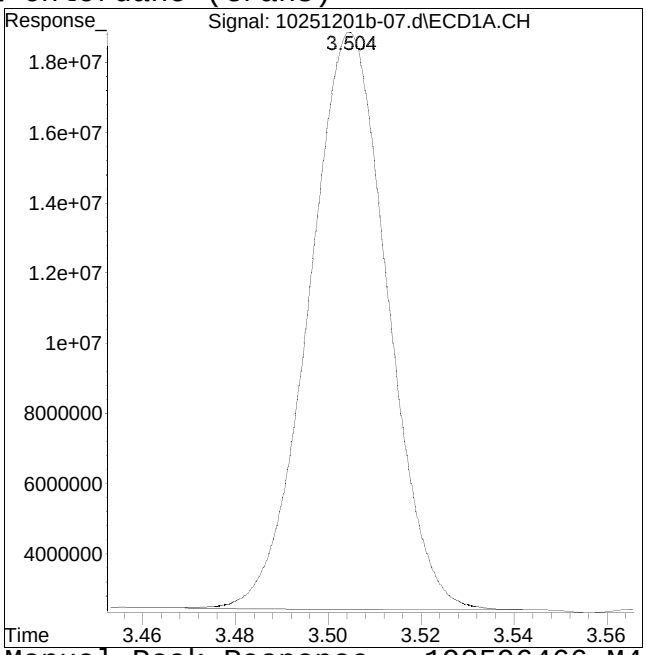
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 198242537



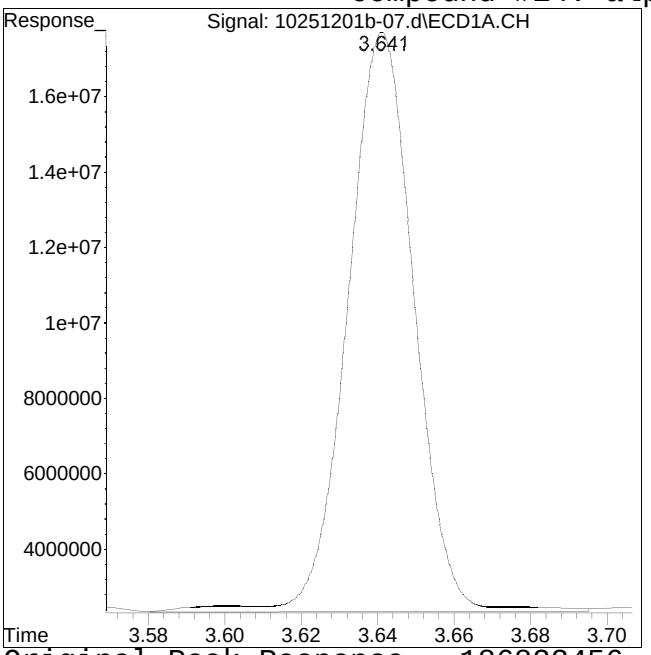
Manual Peak Response = 192596466 M4

M4 = Poor automated baseline construction.

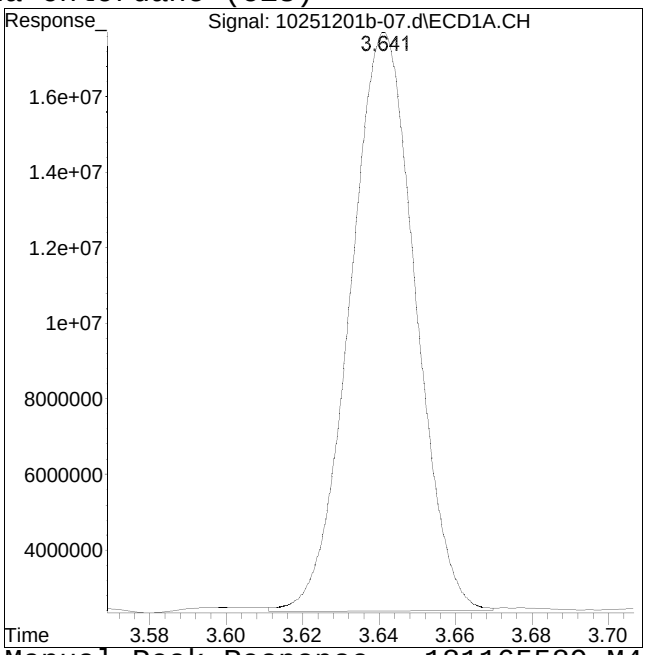
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 186822456



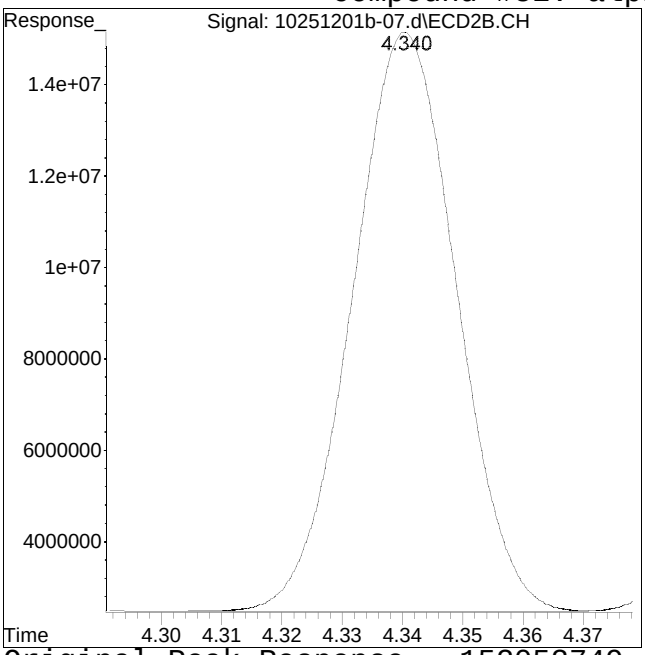
Manual Peak Response = 181165589 M4

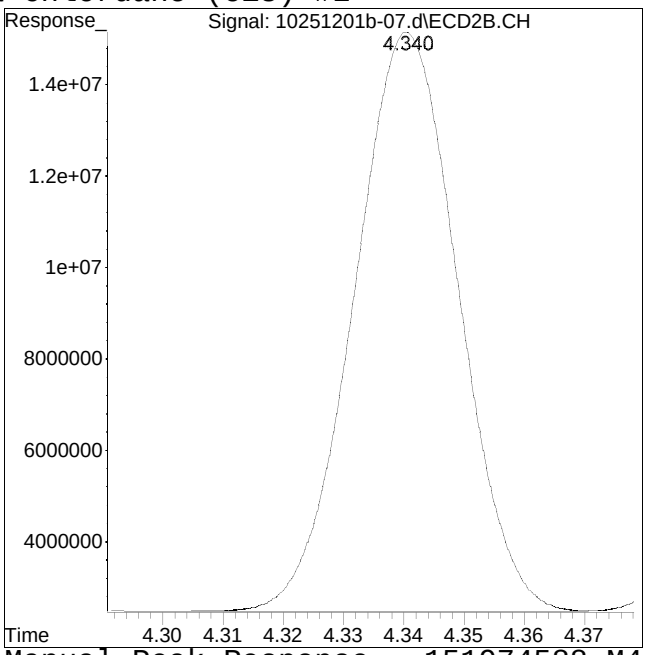
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #52: alpha-Chlordane (cis) #2



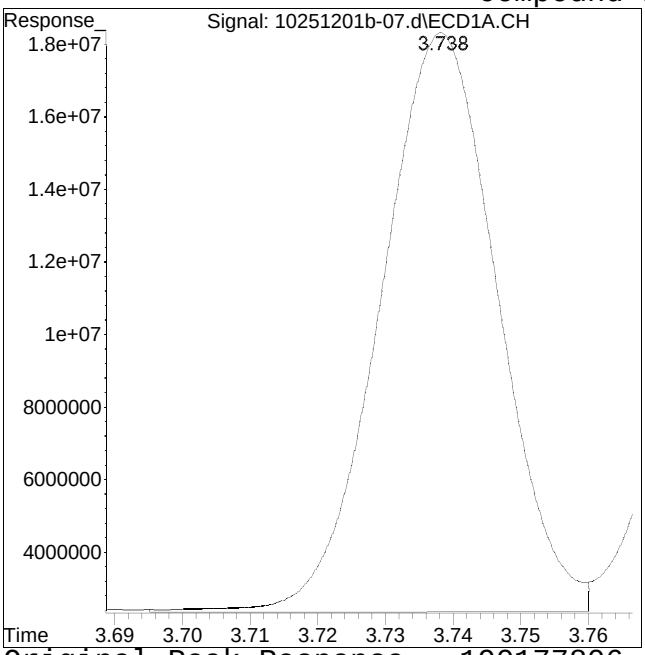


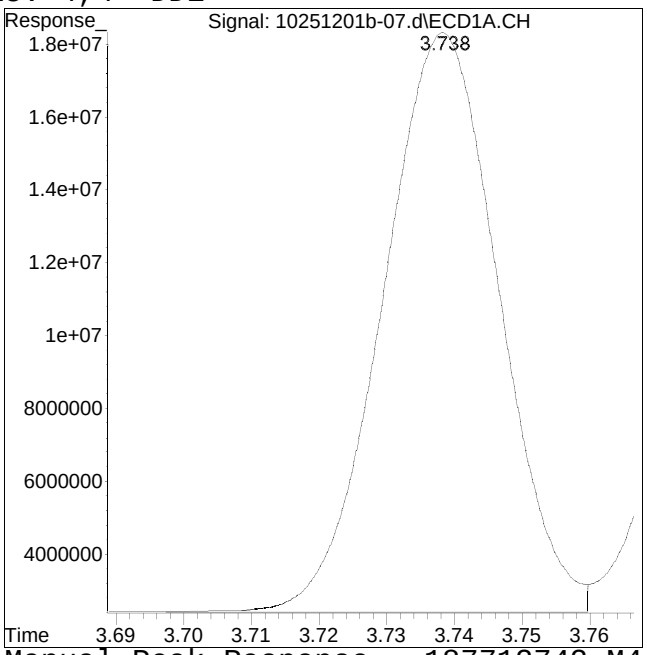
Original Peak Response = 152052749 Manual Peak Response = 151974588 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #15: 4,4'-DDE



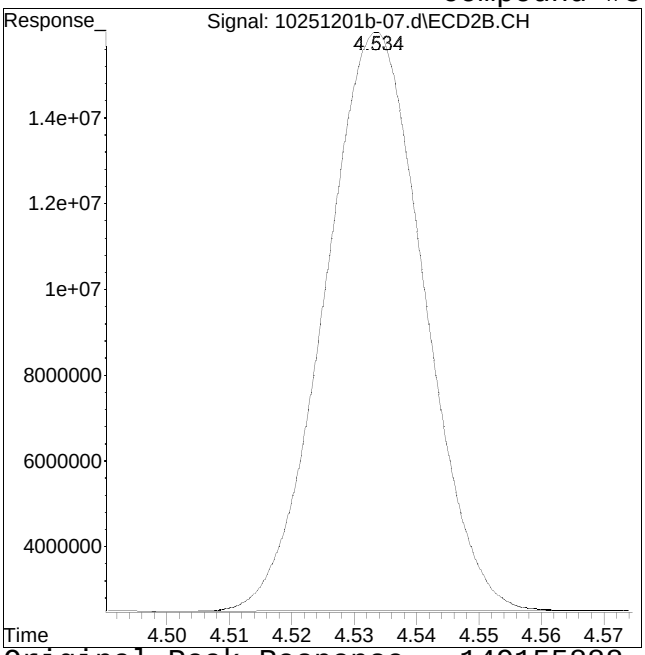


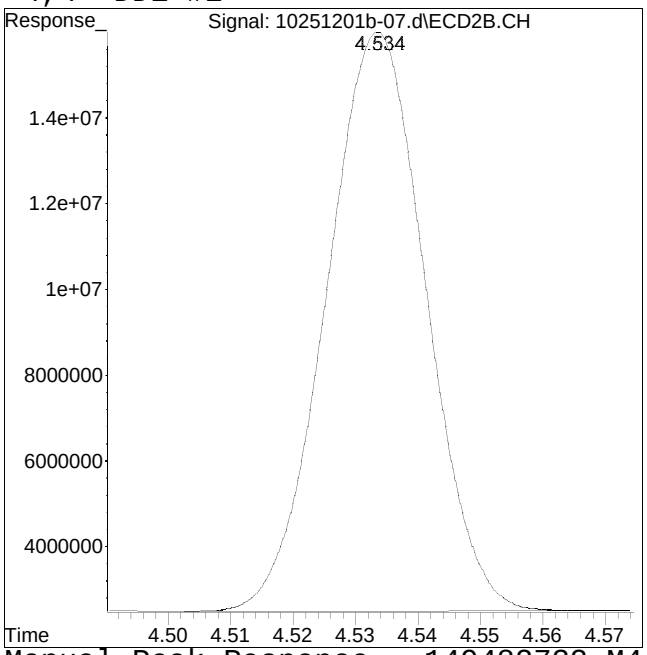
Original Peak Response = 190177806 Manual Peak Response = 187712742 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #53: 4,4'-DDE #2



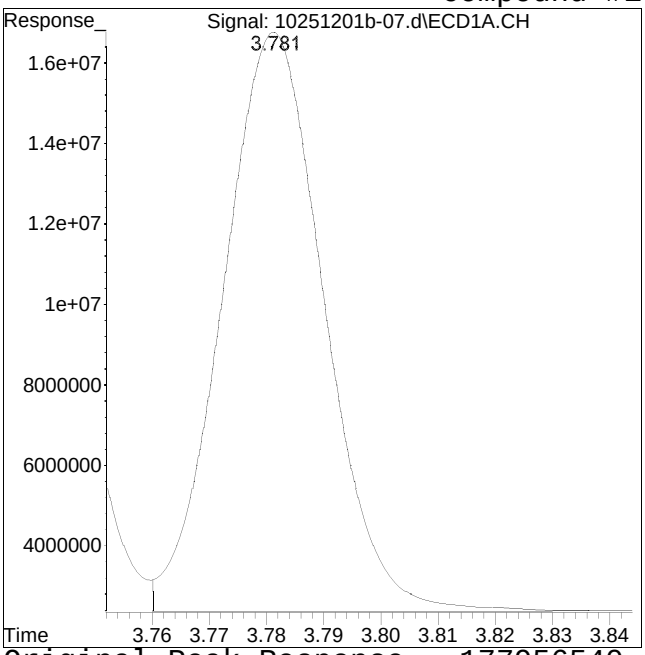


Original Peak Response = 149155888 Manual Peak Response = 149482732 M4
M4 = Poor automated baseline construction.

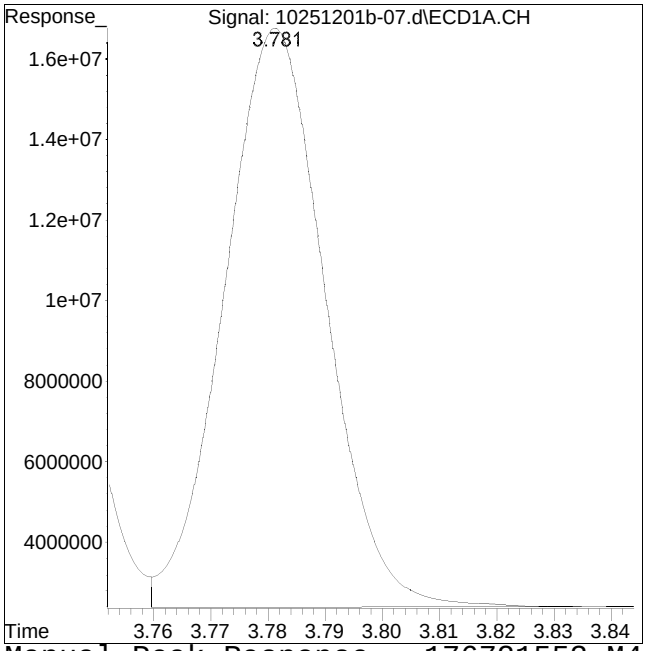
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #16: Endosulfan I



Original Peak Response = 177956540



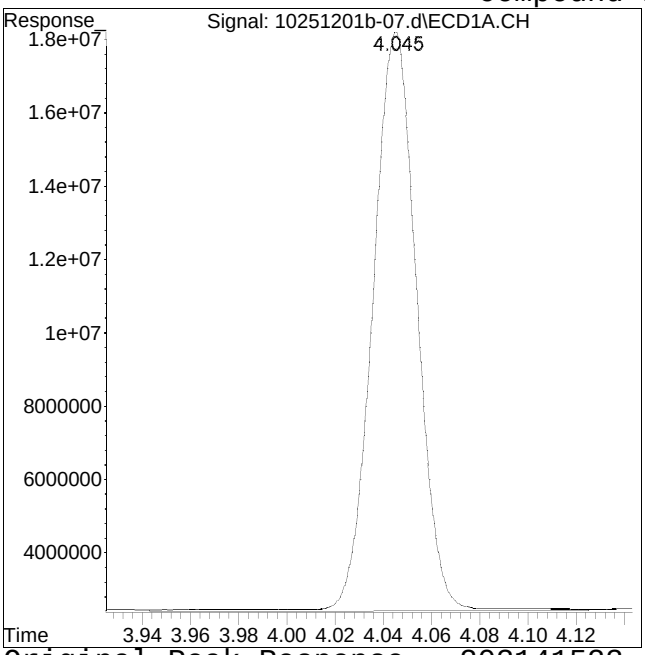
Manual Peak Response = 176721553 M4

M4 = Poor automated baseline construction.

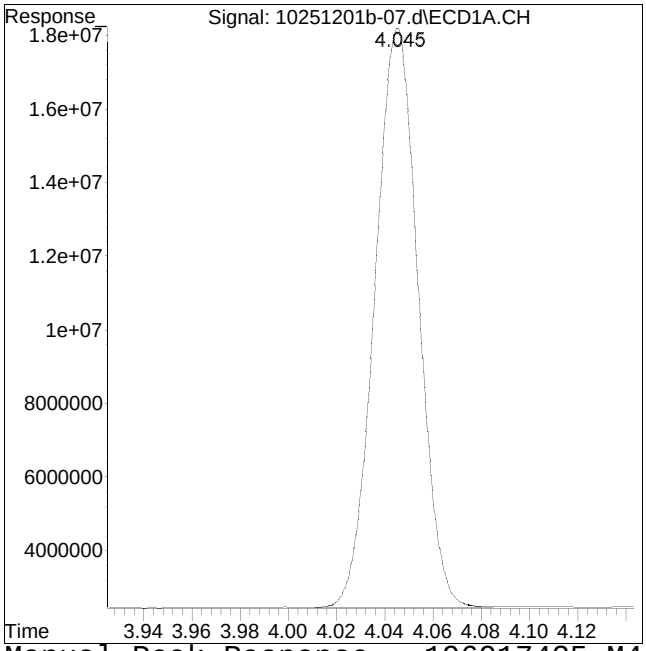
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #17: Dieldrin



Original Peak Response = 203141523



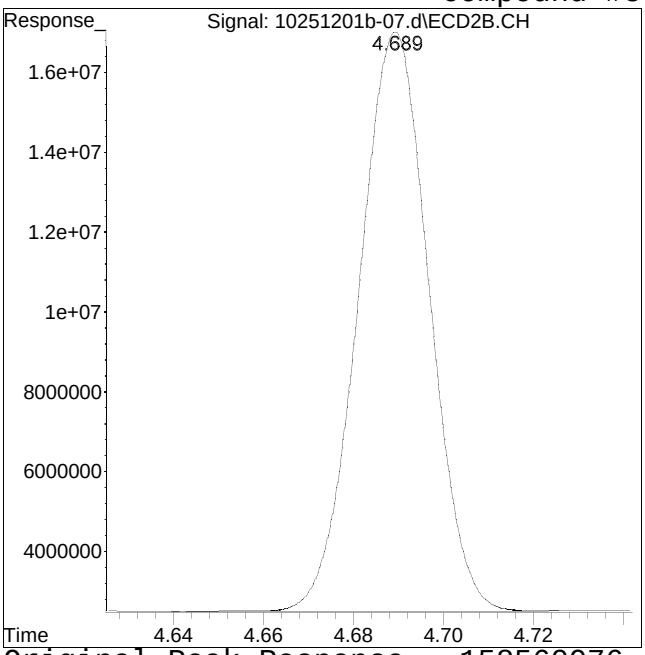
Manual Peak Response = 196917425 M4

M4 = Poor automated baseline construction.

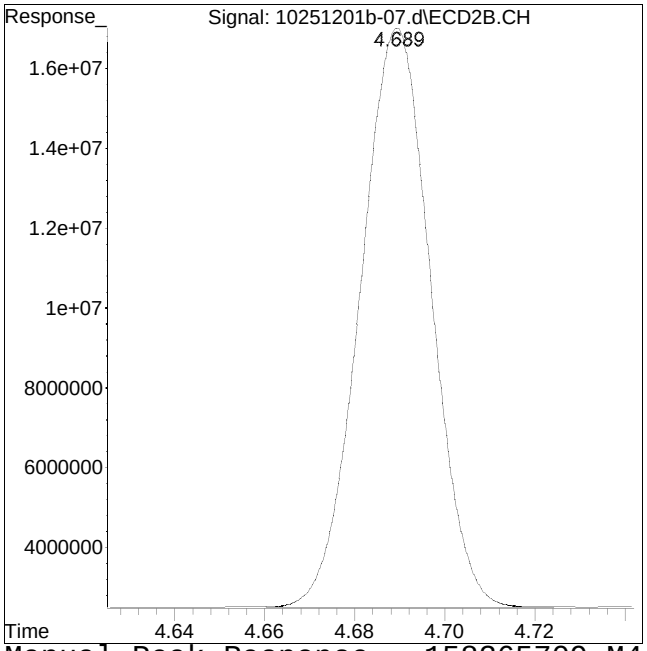
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #55: Dieldrin #2



Original Peak Response = 158560976



Manual Peak Response = 158365709 M4

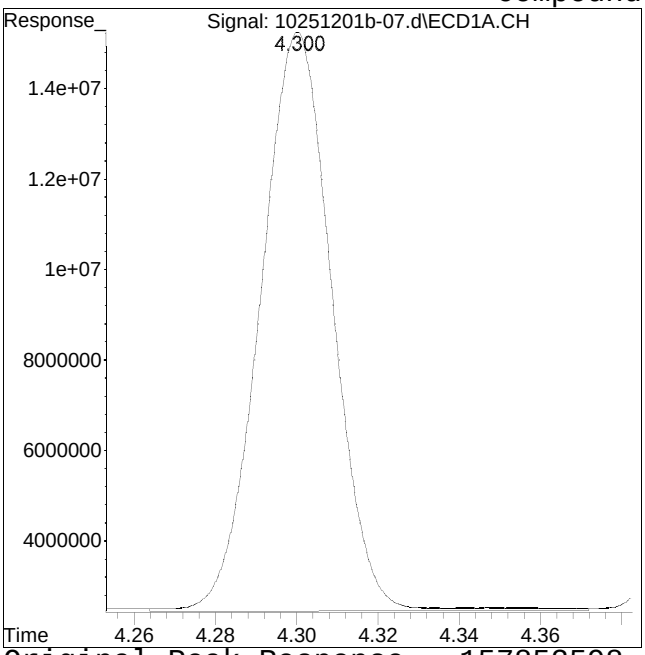
M4 = Poor automated baseline construction.

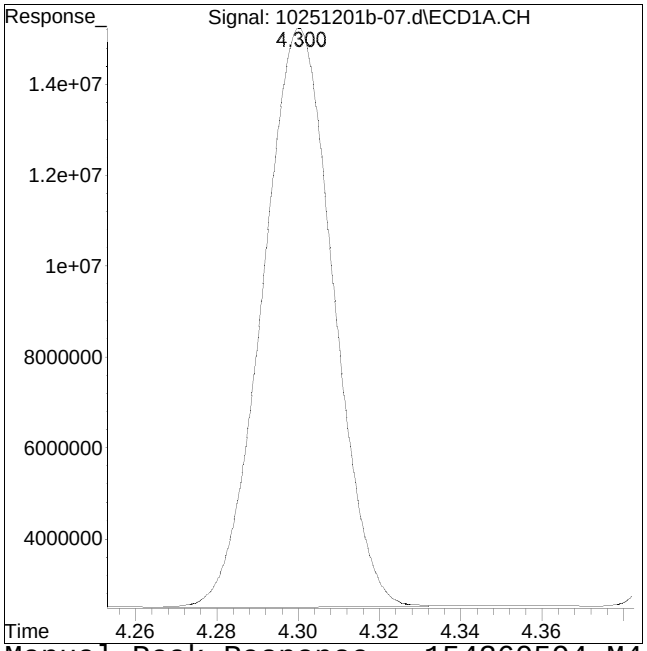
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201Q
Data File : 10251201b-07.d
Date Inj'd : 12/1/2025 9:09
Sample : WG2147433-2,42,,

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:jag
Instrument : Pest 10
Quant Date : 12/1/2025 5:20 pm

Compound #18: Endrin



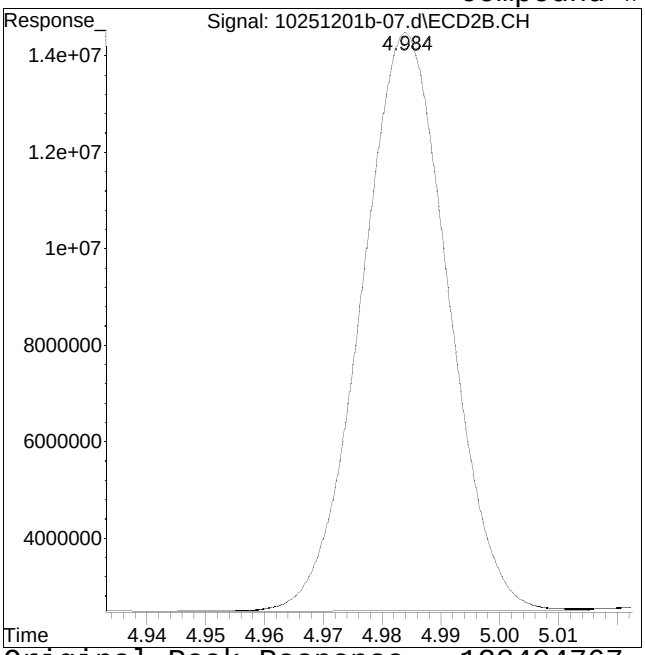


Original Peak Response = 157852598 Manual Peak Response = 154360594 M4
M4 = Poor automated baseline construction.

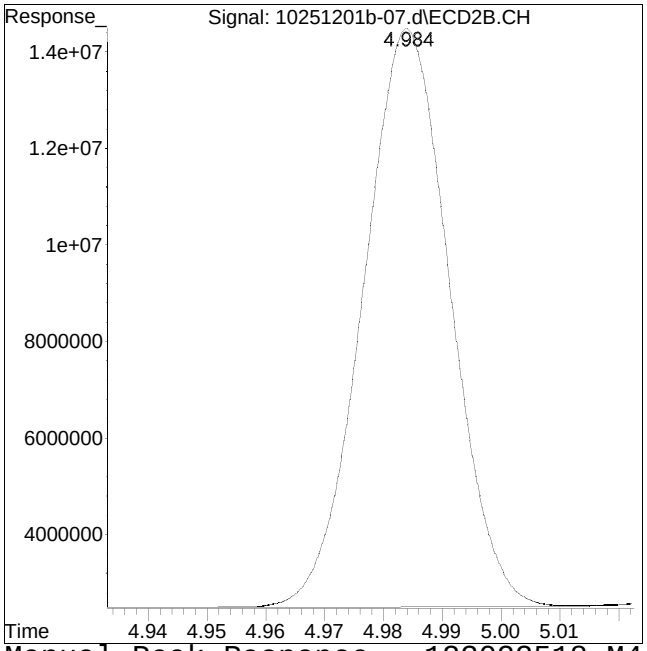
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #56: Endrin #2



Original Peak Response = 123494767



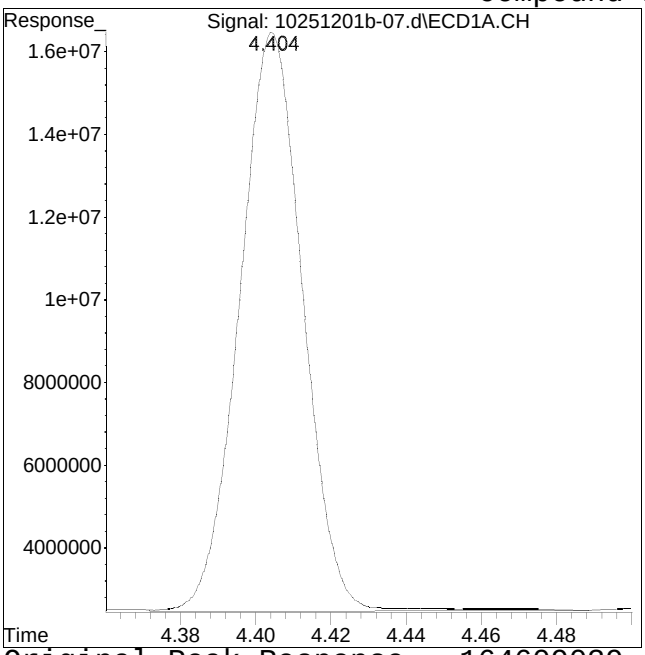
Manual Peak Response = 123023518 M4

M4 = Poor automated baseline construction.

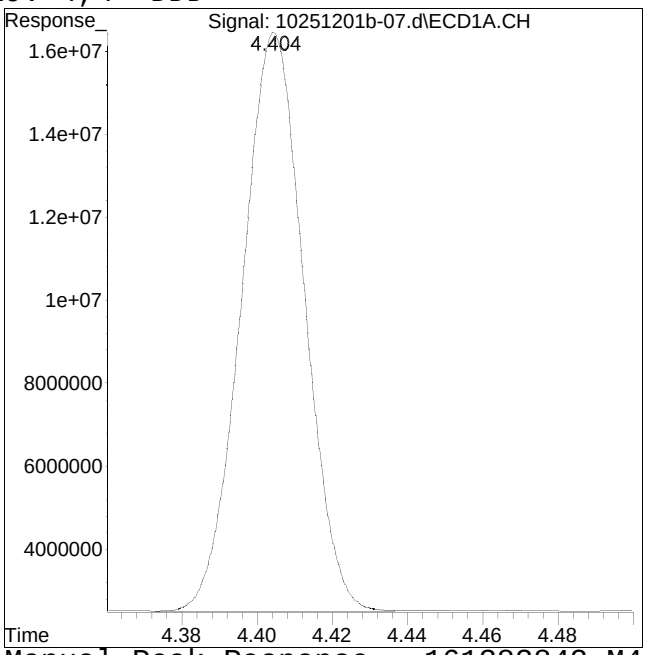
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #19: 4,4'-DDD



Original Peak Response = 164609039



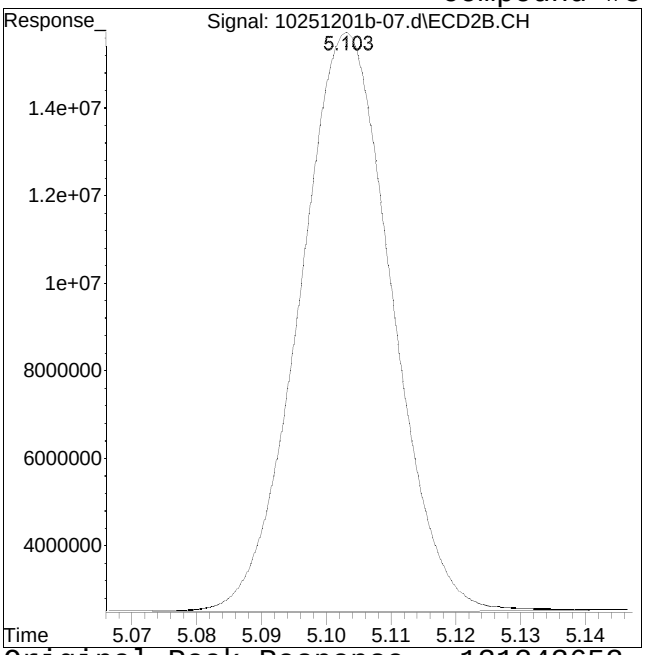
Manual Peak Response = 161383842 M4

M4 = Poor automated baseline construction.

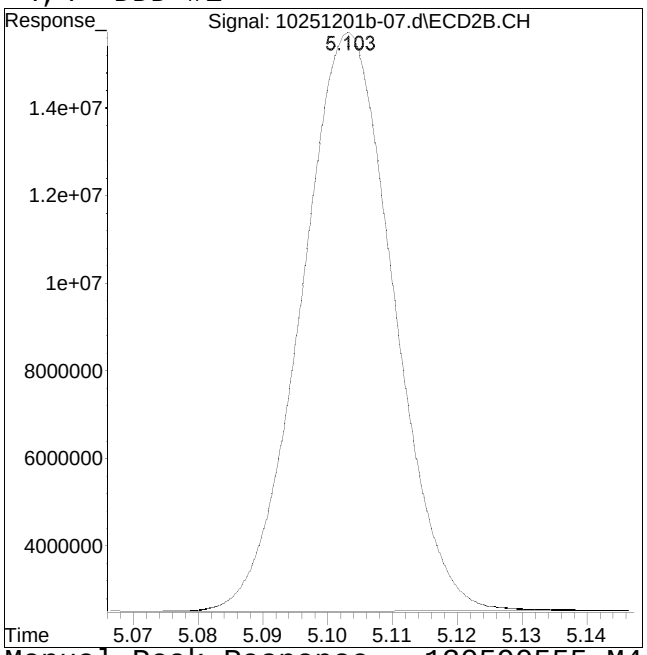
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #57: 4,4'-DDD #2



Original Peak Response = 131243652

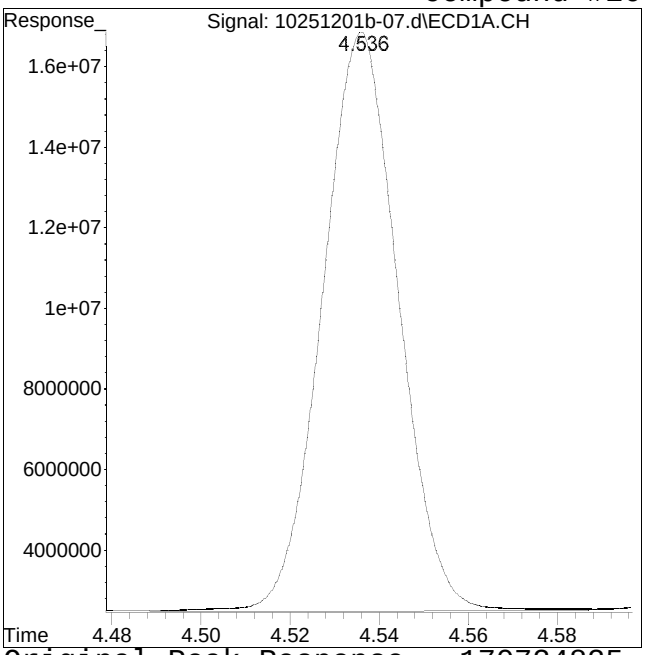


Manual Peak Response = 130590555 M4

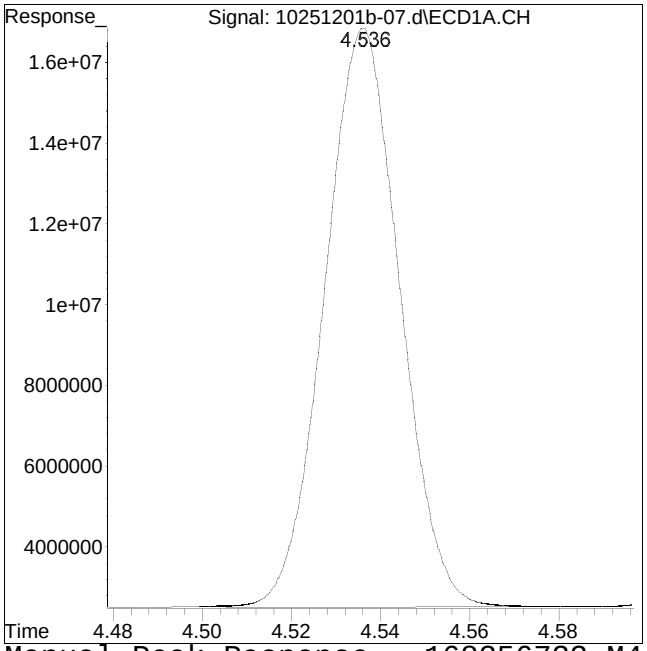
M4 = Poor automated baseline construction.

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #20: Endosulfan II



Original Peak Response = 170724825



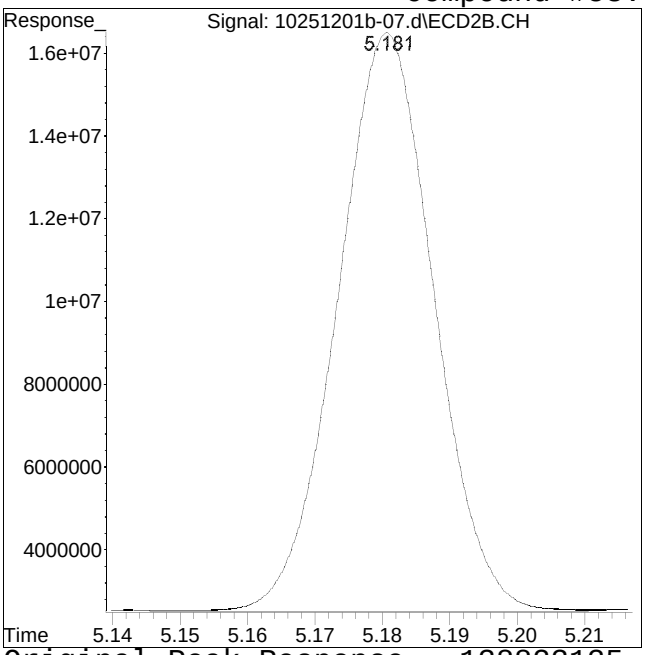
Manual Peak Response = 168356733 M4

M4 = Poor automated baseline construction.

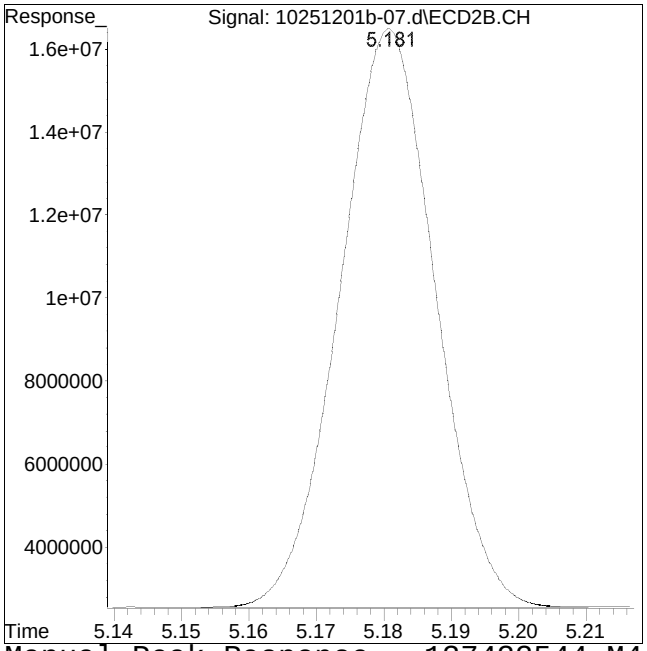
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #58: Endosulfan II #2



Original Peak Response = 138823135



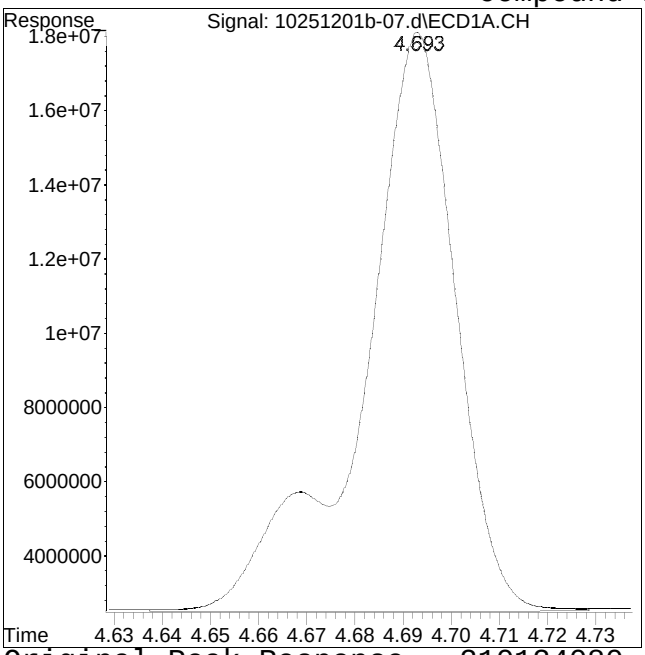
Manual Peak Response = 137433544 M4

M4 = Poor automated baseline construction.

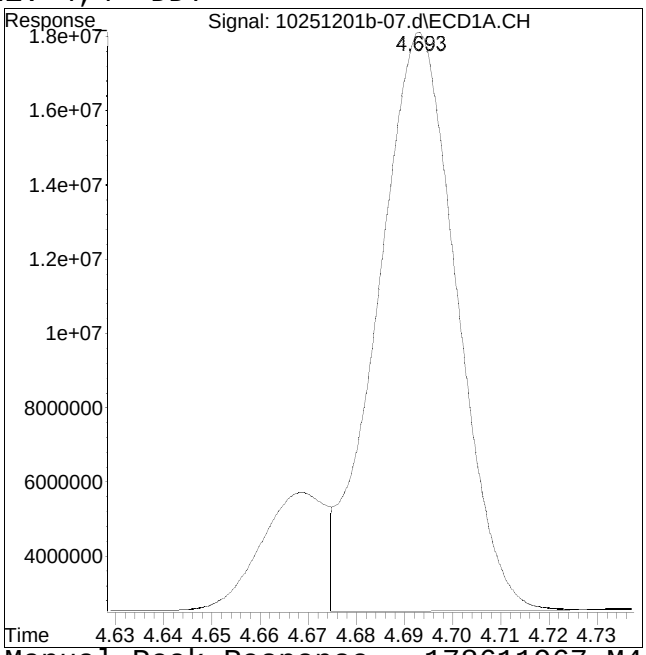
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #21: 4,4'-DDT



Original Peak Response = 210124080



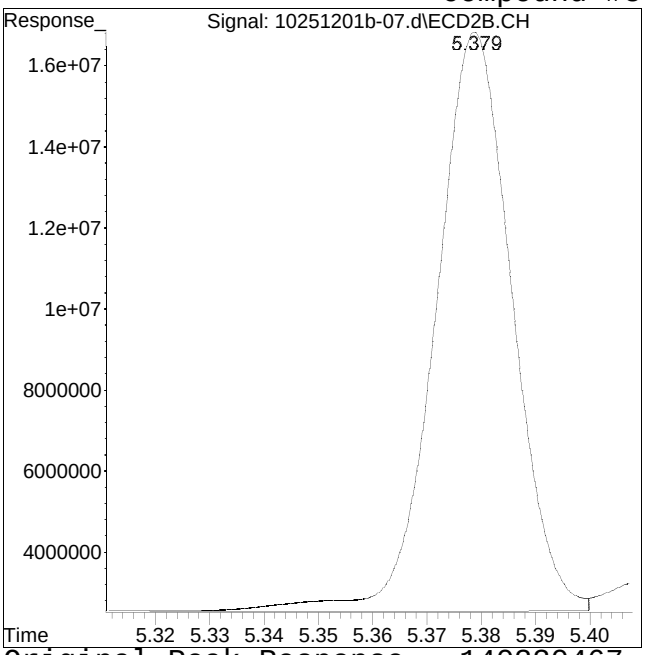
Manual Peak Response = 178611967 M4

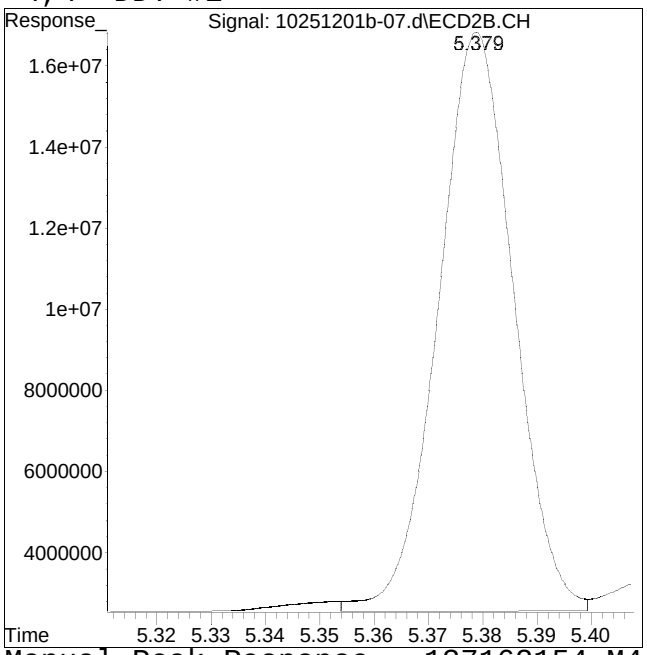
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #59: 4,4'-DDT #2



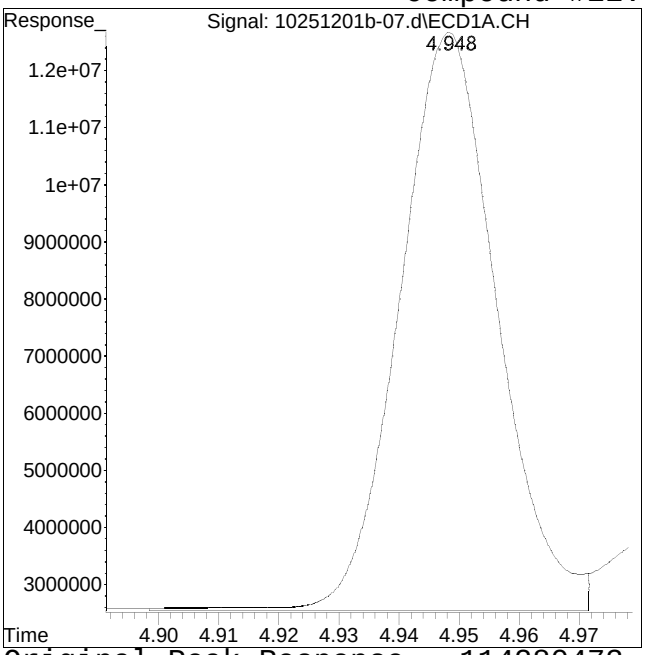


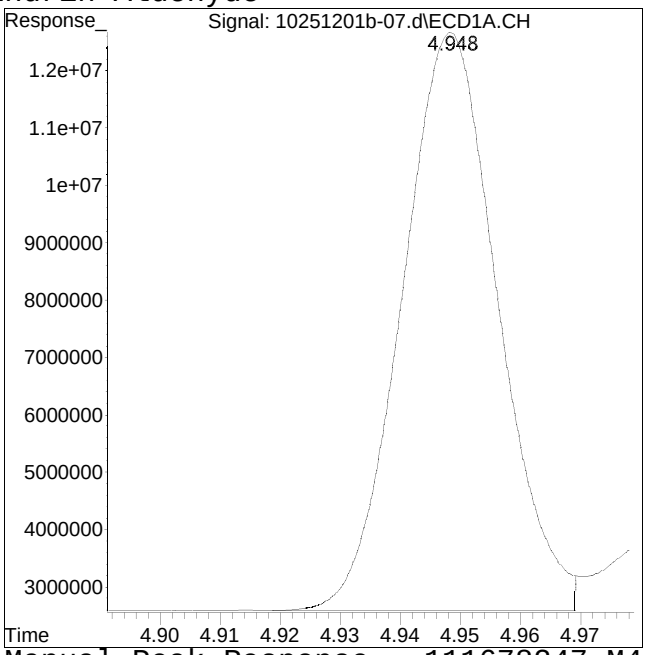
Original Peak Response = 140330467 Manual Peak Response = 137162154 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #22: Endrin Aldehyde



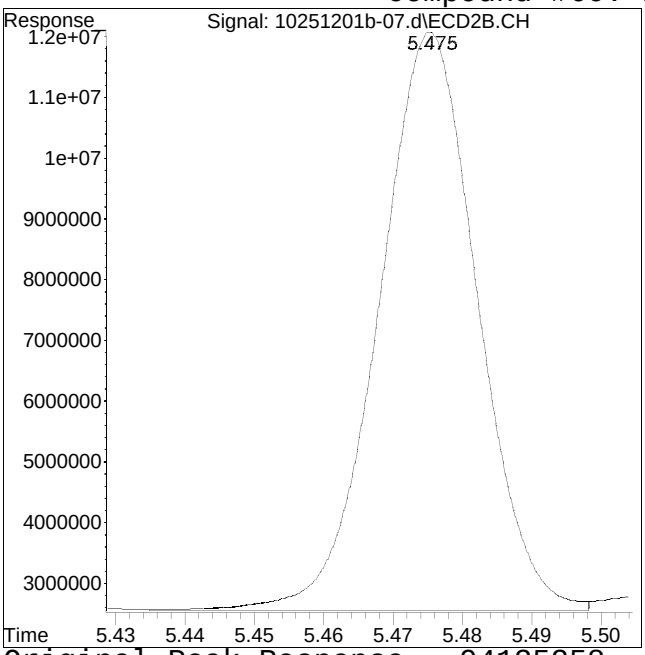


Original Peak Response = 114280473 Manual Peak Response = 111678247 M4
M4 = Poor automated baseline construction.

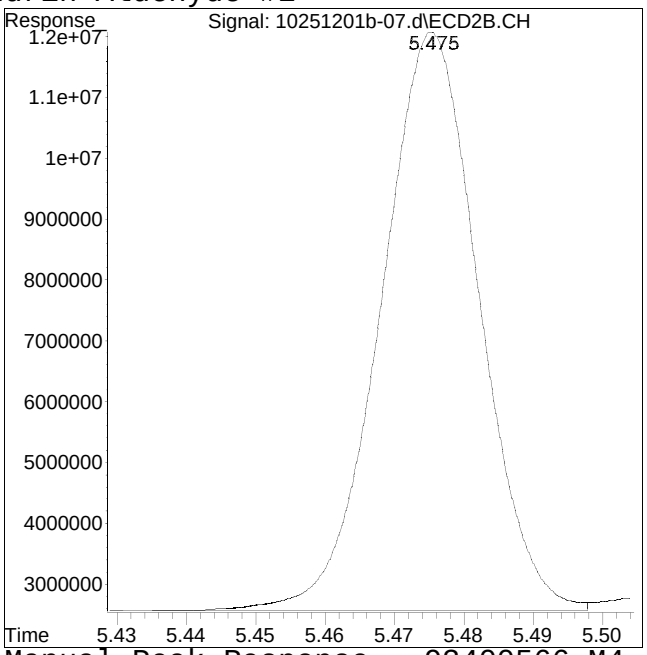
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #60: Endrin Aldehyde #2



Original Peak Response = 94135258



Manual Peak Response = 93400566 M4

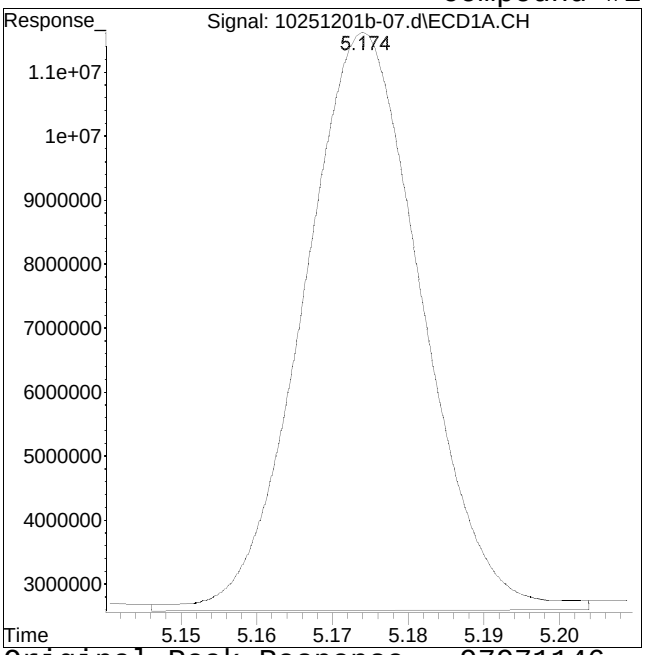
M4 = Poor automated baseline construction.

Manual Integration Report

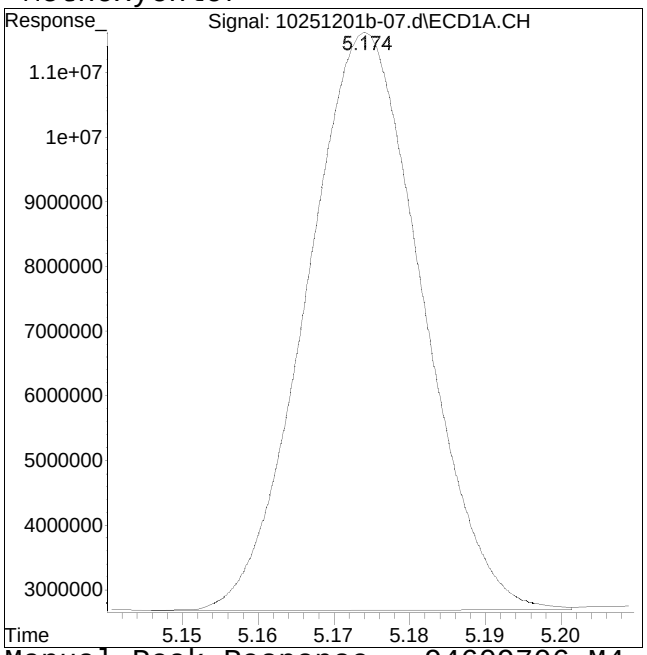
Data Path : I:\PEST\Pest10\2025\251201Q
Data File : 10251201b-07.d
Date Inj'd : 12/1/2025 9:09
Sample : WG2147433-2,42,,

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:jag
Instrument : Pest 10
Quant Date : 12/1/2025 5:20 pm

Compound #23: Methoxychlor



Original Peak Response = 97971146



Manual Peak Response = 94609706 M4

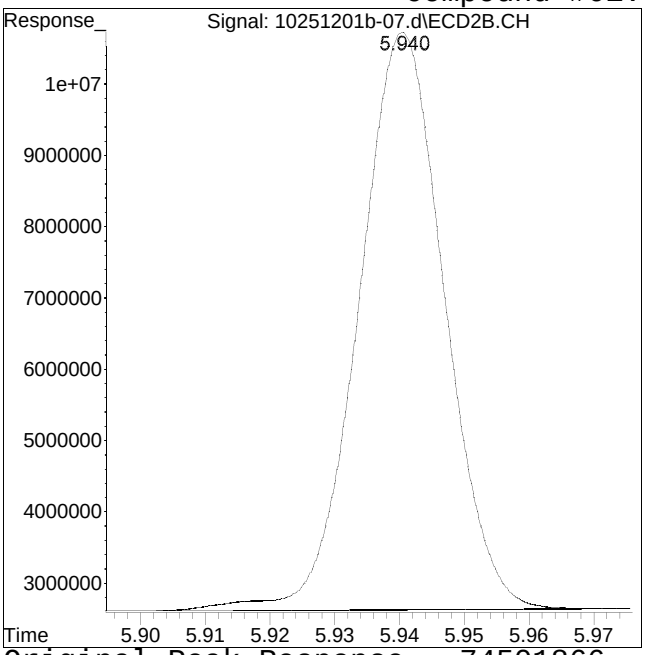
M4 = Poor automated baseline construction.

Manual Integration Report

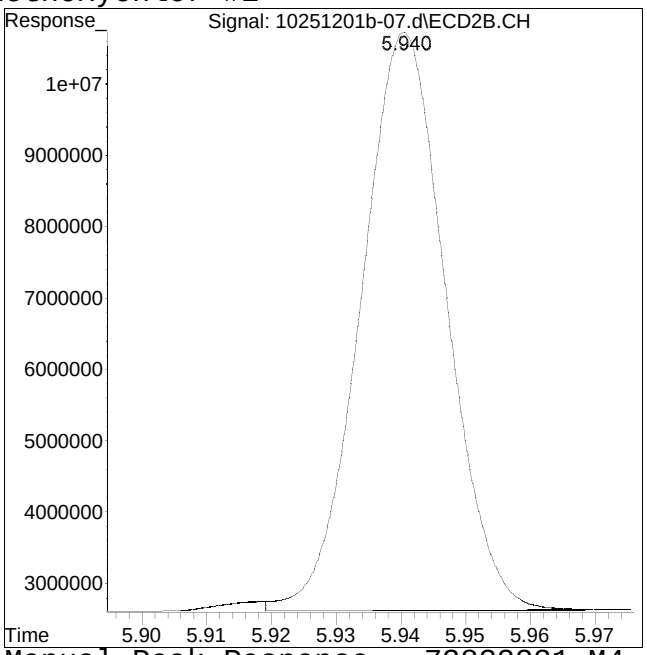
Data Path : I:\PEST\Pest10\2025\251201Q
Data File : 10251201b-07.d
Date Inj'd : 12/1/2025 9:09
Sample : WG2147433-2,42,,

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:jag
Instrument : Pest 10
Quant Date : 12/1/2025 5:20 pm

Compound #61: Methoxychlor #2



Original Peak Response = 74501866



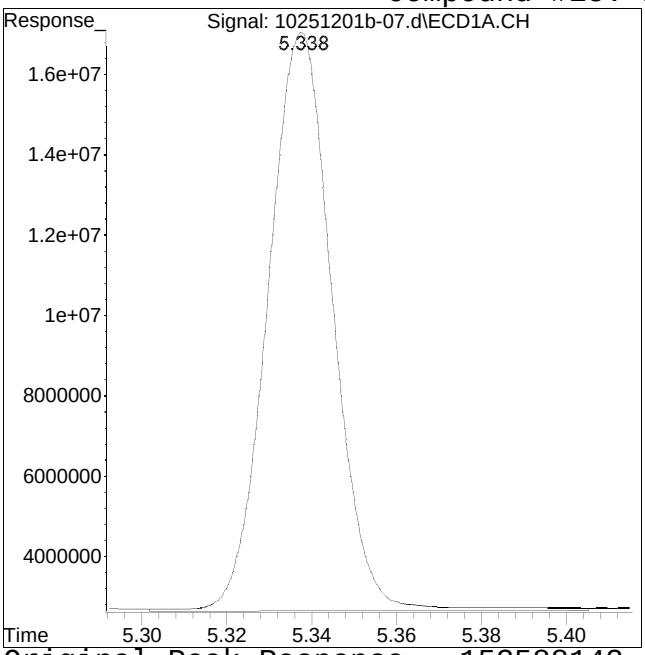
Manual Peak Response = 73832231 M4

M4 = Poor automated baseline construction.

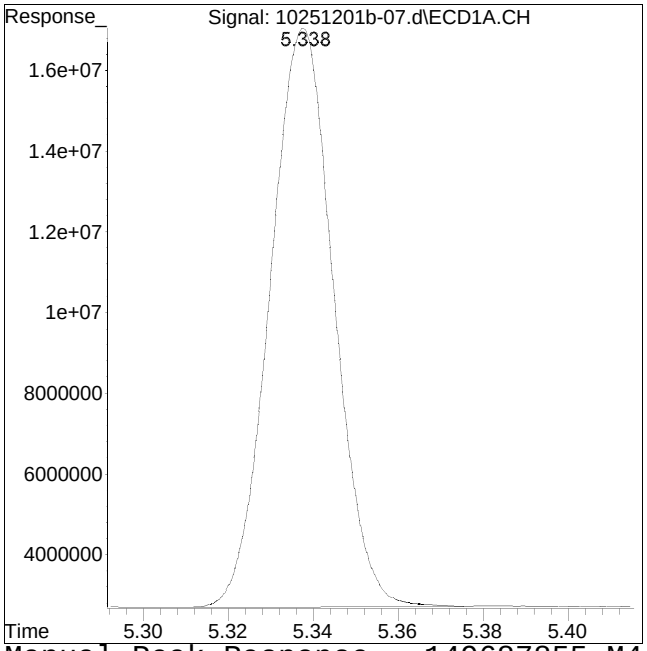
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #25: Endosulfan Sulfate



Original Peak Response = 153588142



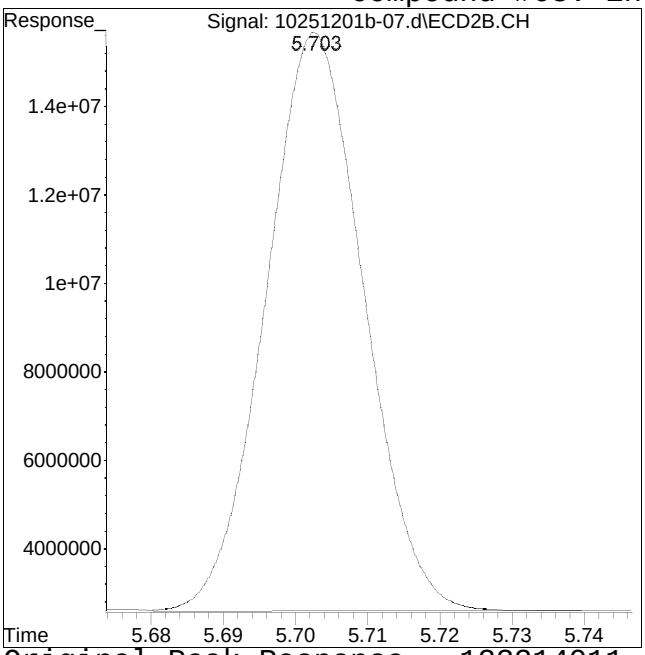
Manual Peak Response = 149687855 M4

M4 = Poor automated baseline construction.

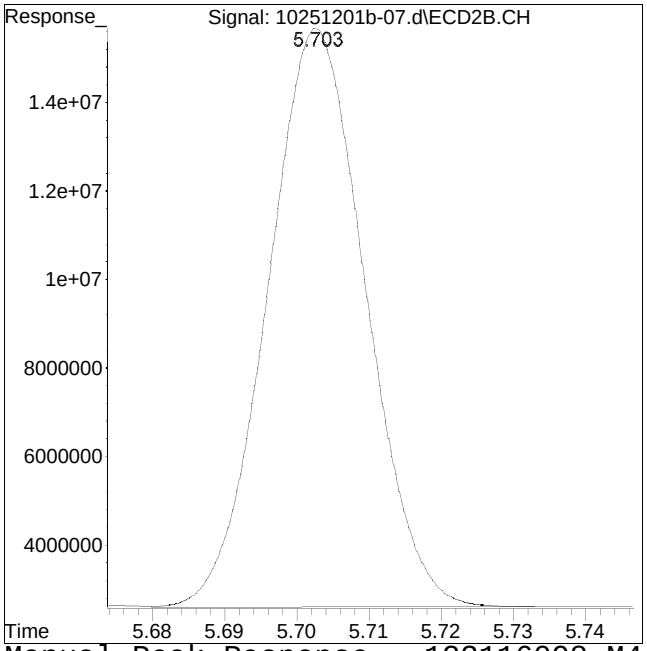
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 123314911



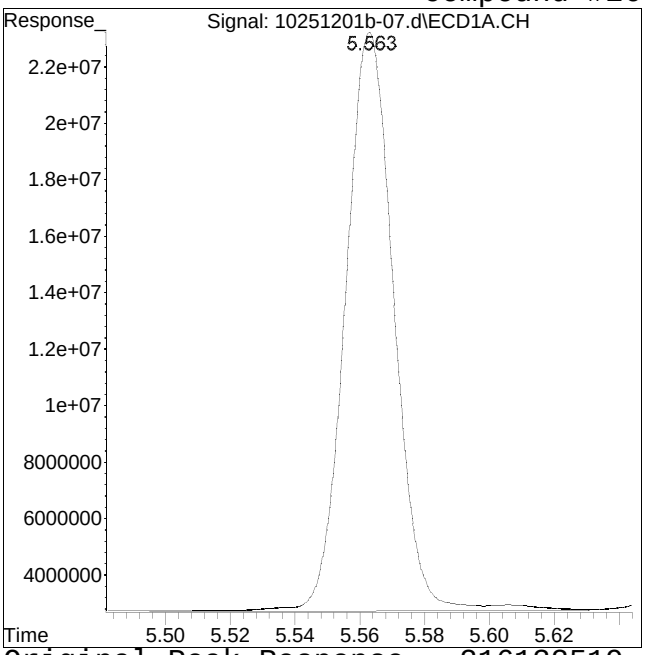
Manual Peak Response = 123116098 M4

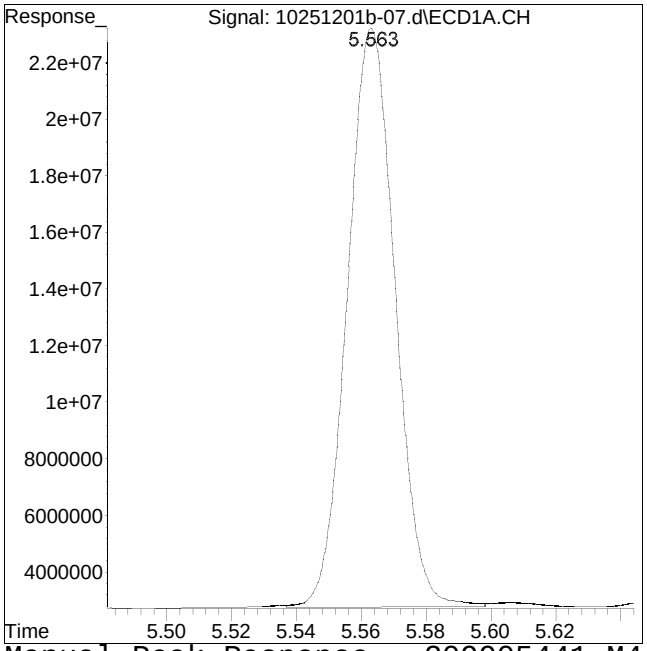
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #26: Endrin Ketone



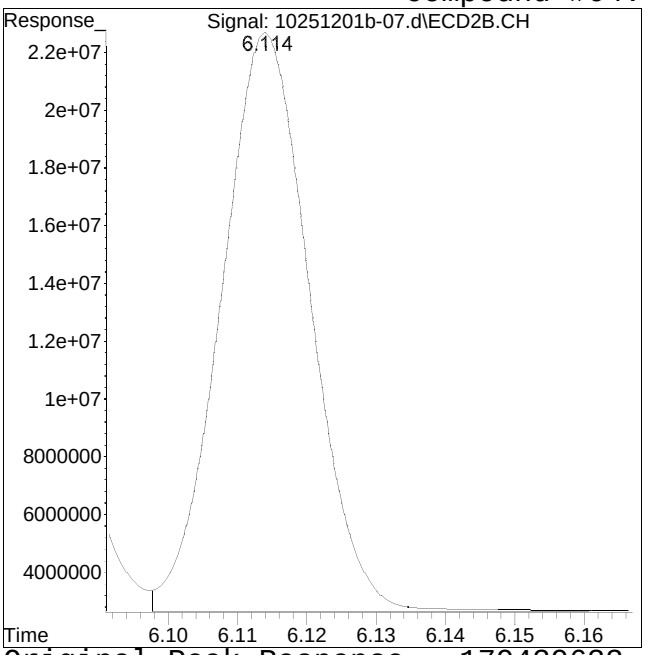


Original Peak Response = 216132519 Manual Peak Response = 209905441 M4
M4 = Poor automated baseline construction.

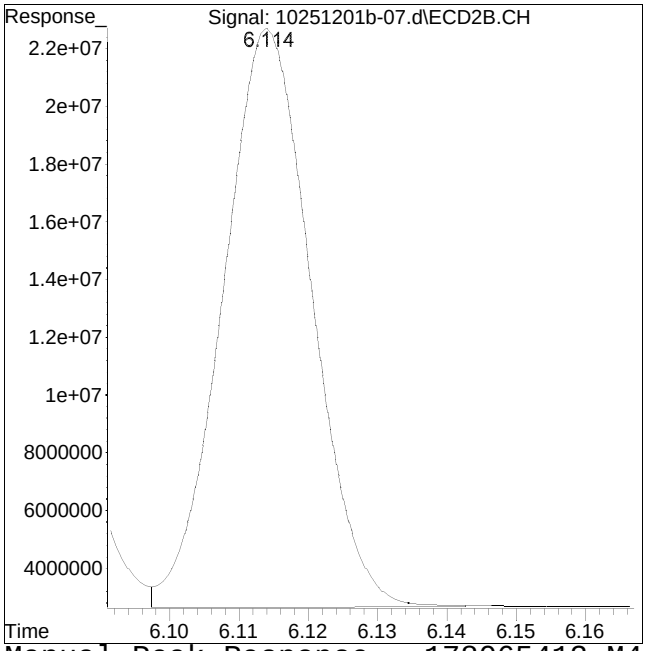
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #64: Endrin Ketone #2



Original Peak Response = 179439633



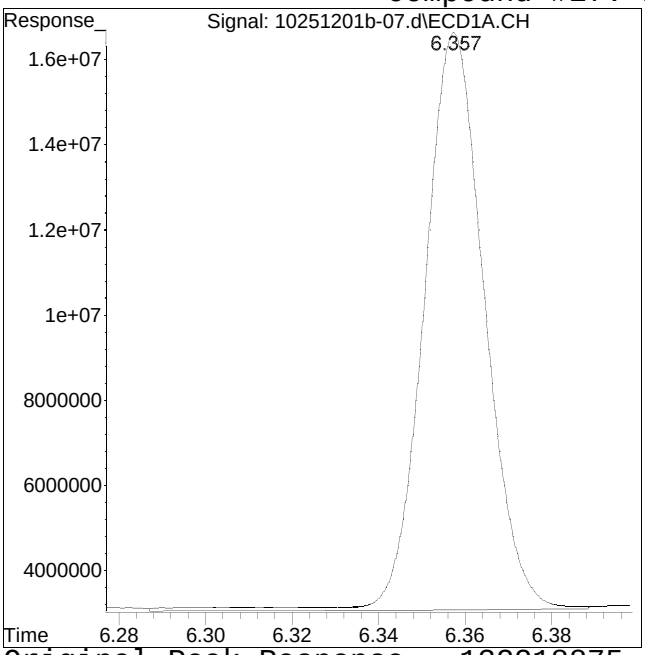
Manual Peak Response = 178065413 M4

M4 = Poor automated baseline construction.

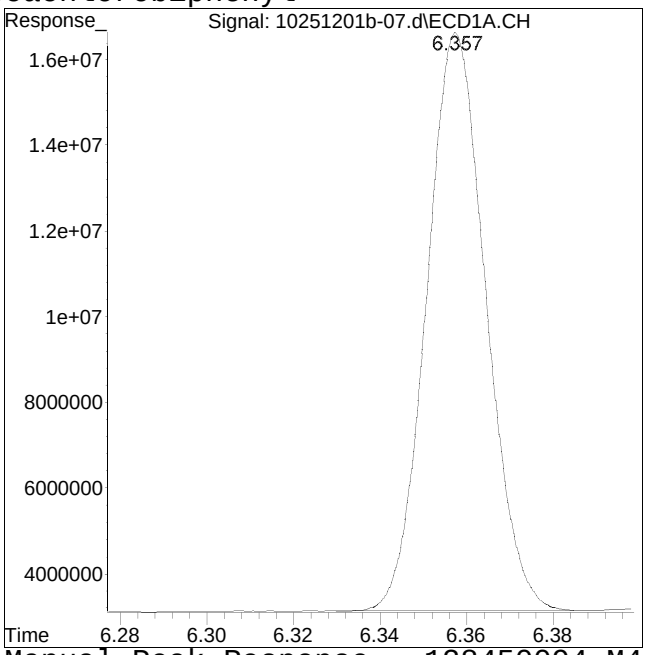
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-07.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:09 Instrument : Pest 10
Sample : WG2147433-2,42,, Quant Date : 12/1/2025 5:20 pm

Compound #27: Decachlorobiphenyl



Original Peak Response = 132218875



Manual Peak Response = 128450094 M4

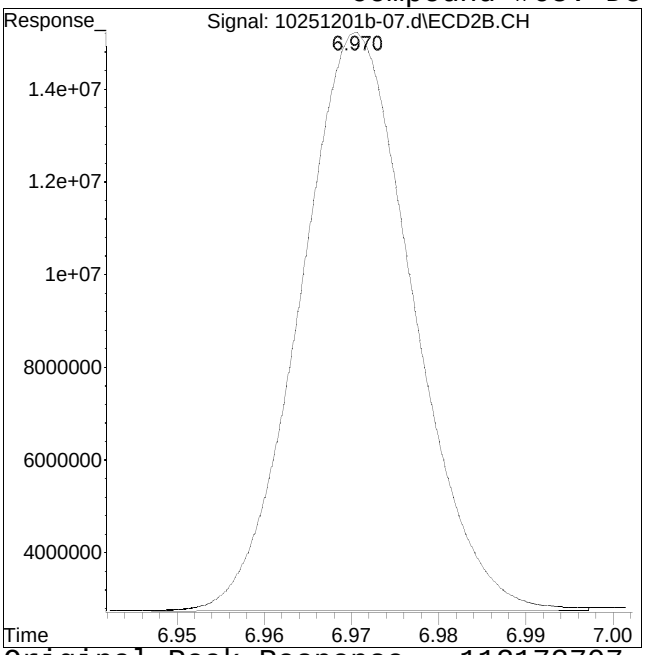
M4 = Poor automated baseline construction.

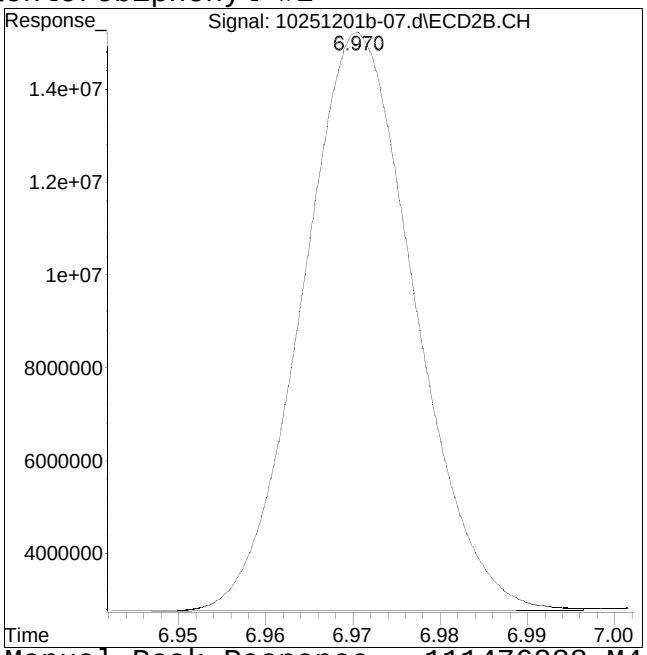
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201Q
Data File : 10251201b-07.d
Date Inj'd : 12/1/2025 9:09
Sample : WG2147433-2,42,,

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:jag
Instrument : Pest 10
Quant Date : 12/1/2025 5:20 pm

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 112173707 Manual Peak Response = 111476888 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Dec 2025 9:20
Operator : PEST10:jag
Sample : WG2147433-3,42,,
Misc : wg2147890,WG2147433,ical22829
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 17:20:53 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:48:44 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2025\251201B\10251201b-03.d
Sub List : LCS_MS - spk only

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.345	1.406	81639539	54173218	25.000M4	25.000M4
	Standard Area 1 : #1 = 87242259				Recovery =	93.58%	
	Standard Area 1 : #2 = 86239486				Recovery =	62.82%	
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.695	1.890	145.3E6	120.2E6	33.099M4	44.179M4
	Spiked Amount 50.000	Range 30 - 150			Recovery =	66.20%	88.36%
27) s	Decachlorobi	6.357	6.971	130.8E6	113.9E6	33.333M4	48.412M4
	Spiked Amount 50.000	Range 30 - 150			Recovery =	66.67%	96.82%
Target Compounds							
4) t	alpha-BHC	2.014	2.312	219.4E6	184.3E6	40.633M4	51.208M4
5) t	gamma-BHC (l	2.221	2.602	219.7E6	178.9E6	42.339M4	52.281M4
6) t	beta-BHC	2.278	2.666	96157332	78340321	40.144M4	48.849M4
7) t	delta-BHC	2.409	2.937	171.1E6	139.5E6	35.155M4	43.016M4
8) t	Heptachlor	2.575	3.005	210.0E6	165.8E6	42.443M4	52.995M4
9) t	Aldrin	2.823	3.328	191.2E6	160.2E6	39.092M4	50.251M4
12) t	Heptachlor E	3.378	3.951	189.3E6	154.0E6	43.126M4	53.856M4
13) t	gamma-Chlord	3.503	4.173	197.7E6	168.4E6	40.595M3	54.166M4
14) t	alpha-Chlord	3.640	4.340	187.9E6	156.8E6	38.658M4	50.801M4
15) t	4,4'-DDE	3.736	4.533	191.4E6	155.1E6	40.002M4	51.753M4
16) t	Endosulfan I	3.780	4.401	179.6E6	147.4E6	40.395M4	52.404
17) t	Dieldrin	4.043	4.689	202.0E6	164.8E6	42.350M4	51.641M4
18) t	Endrin	4.299	4.984	192.6E6	155.7E6	42.528M4	55.507M4
19) t	4,4'-DDD	4.403	5.103	164.0E6	135.4E6	43.914M4	60.371M4
20) t	Endosulfan I	4.534	5.180	172.1E6	142.3E6	41.443M4	56.356M4
21) t	4,4'-DDT	4.691	5.379	177.7E6	137.9E6	46.457M4	60.706M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Dec 2025 9:20
Operator : PEST10:jag
Sample : WG2147433-3,42,,
Misc : wg2147890,WG2147433,ical22829
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 17:20:53 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:48:44 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2025\251201B\10251201b-03.d
Sub List : LCS_MS - spk only

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t Endrin Aldeh	4.947	5.475	117.2E6	97527617	36.431M4	49.734M4
23) t Methoxychlor	5.173	5.940	96172694	76619166	44.813M4	61.008M4
25) t Endosulfan S	5.336	5.703	151.9E6	126.5E6	39.805M4	53.776M4
26) t Endrin Keton	5.562	6.114	190.9E6	162.8E6	43.358M4	61.323M4
Sum chlordane-1			0	0	N.D.	N.D.
Average chlordane-1					0.000	0.000
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000

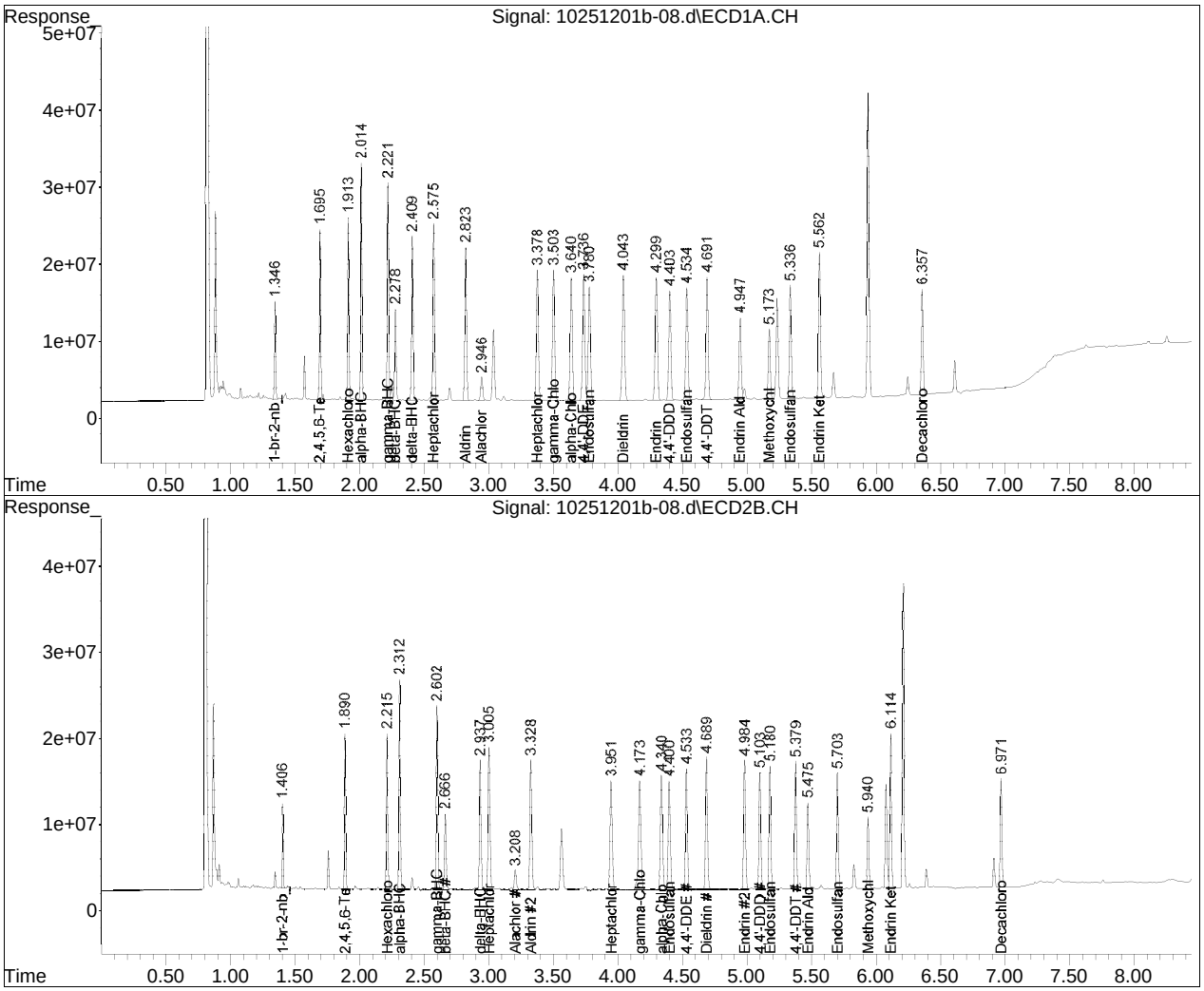
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : LCS_MS - spk only0\2025\251201B\10251201b-03.d•

Data Path : I:\PEST\Pest10\2025\251201B\
Data File : 10251201b-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Dec 2025 9:20
Operator : PEST10:jag
Sample : WG2147433-3,42,,
Misc : wg2147890,WG2147433,ical22829
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 01 17:20:53 2025
Quant Method : I:\PEST\Pest10\2025\251201B\pest10_2025_11_17_ugL_ICAL22829.m
Quant Title : pest
QLast Update : Mon Dec 01 08:48:44 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

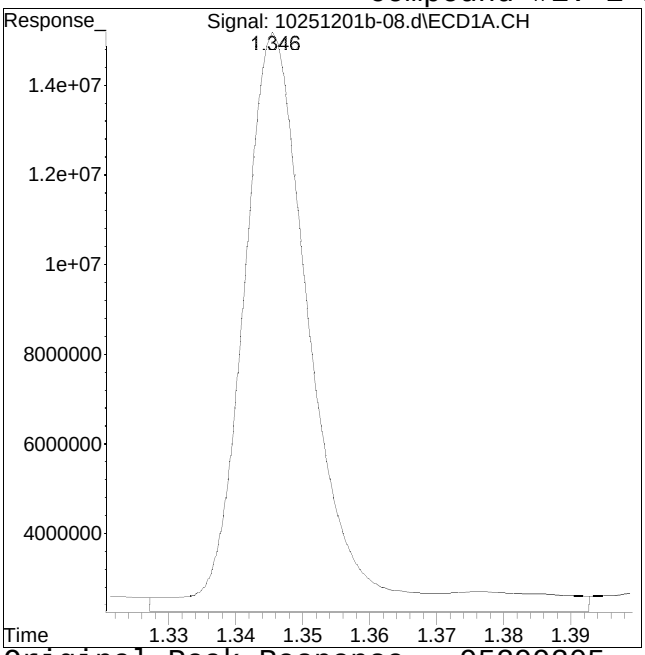


Manual Integration Report

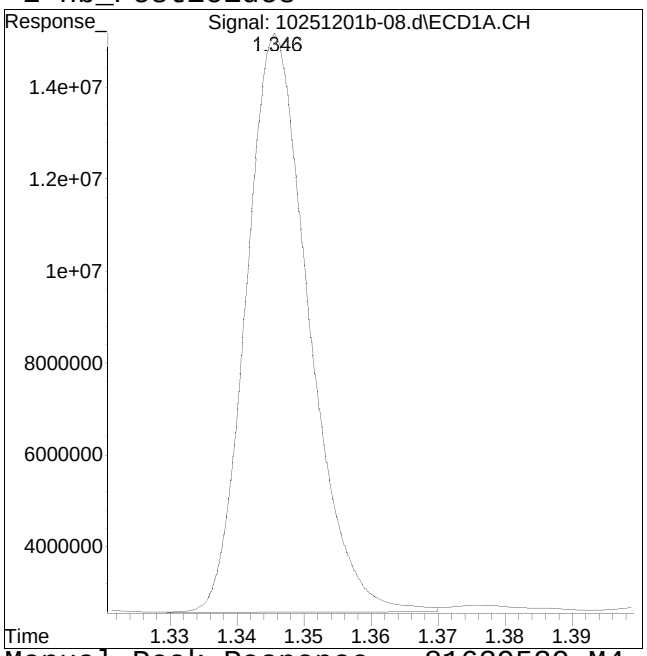
Data Path : I:\PEST\Pest10\2025\251201Q
Data File : 10251201b-08.d
Date Inj'd : 12/1/2025 9:20
Sample : WG2147433-3,42,,

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:jag
Instrument : Pest 10
Quant Date : 12/1/2025 5:20 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 95299205



Manual Peak Response = 81639539 M4

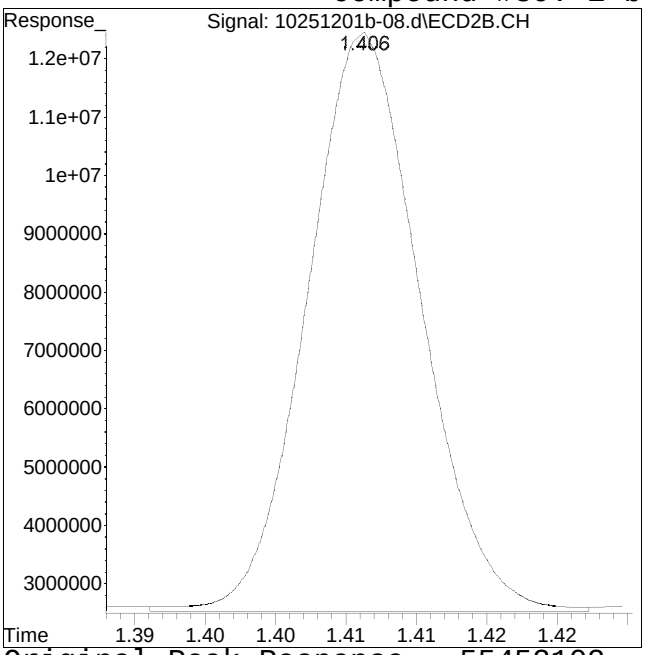
M4 = Poor automated baseline construction.

Manual Integration Report

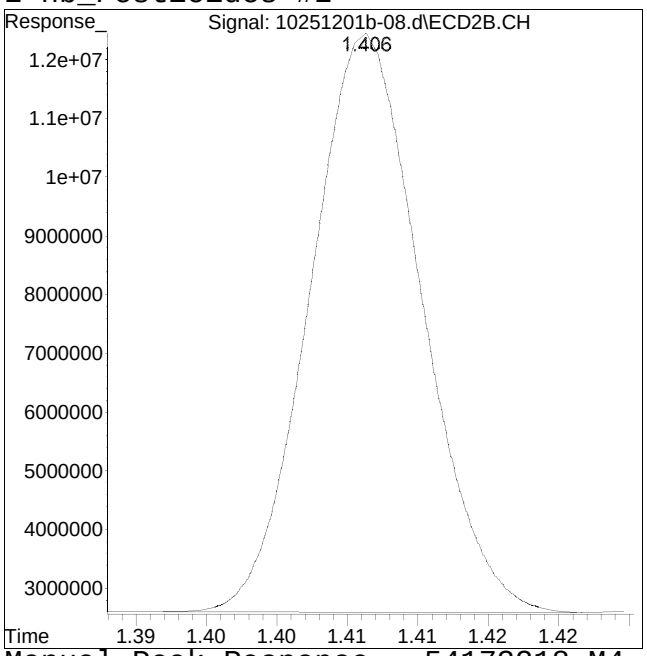
Data Path : I:\PEST\Pest10\2025\251201Q
Data File : 10251201b-08.d
Date Inj'd : 12/1/2025 9:20
Sample : WG2147433-3,42,,

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:jag
Instrument : Pest 10
Quant Date : 12/1/2025 5:20 pm

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 55452102



Manual Peak Response = 54173218 M4

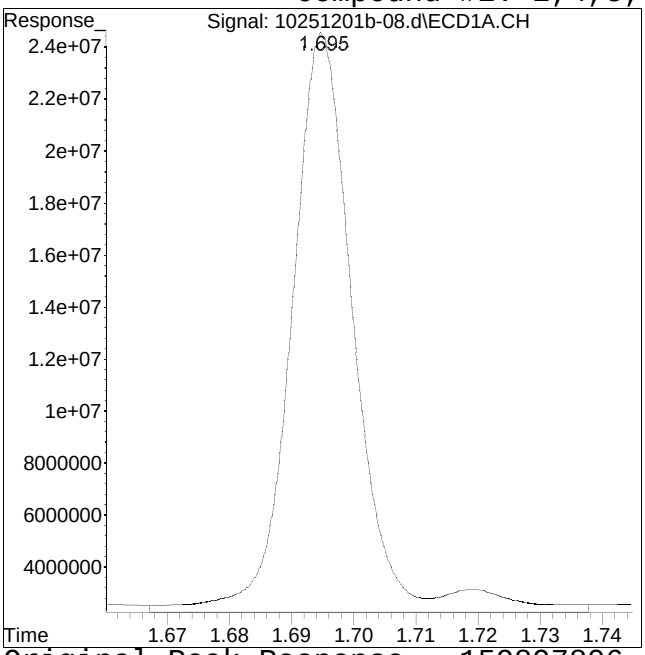
M4 = Poor automated baseline construction.

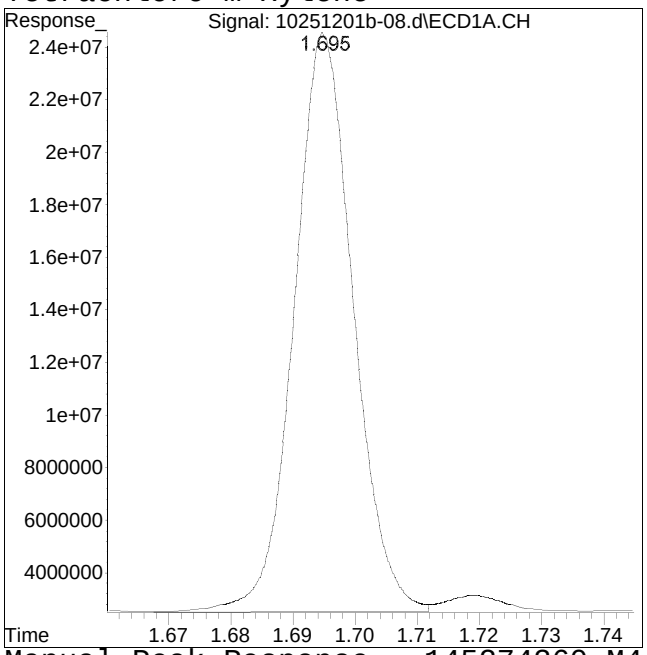
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201Q
Data File : 10251201b-08.d
Date Inj'd : 12/1/2025 9:20
Sample : WG2147433-3,42,,

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:jag
Instrument : Pest 10
Quant Date : 12/1/2025 5:20 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene





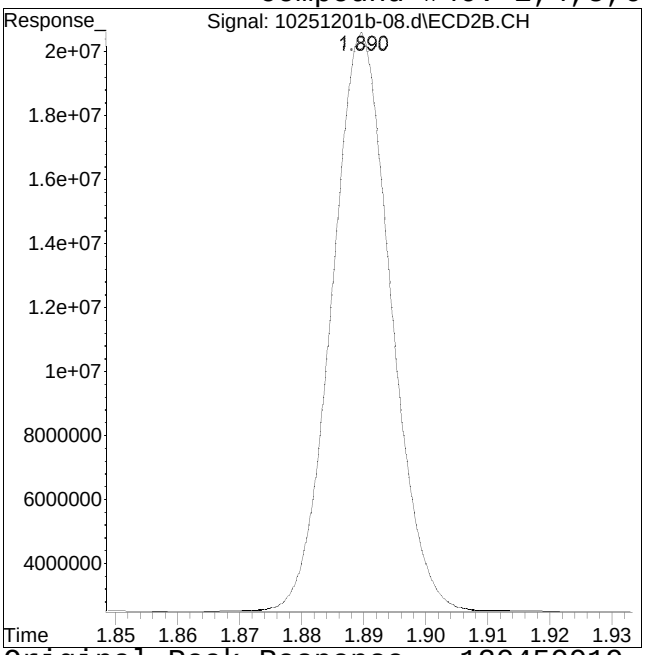
Original Peak Response = 159897806 Manual Peak Response = 145274360 M4
M4 = Poor automated baseline construction.

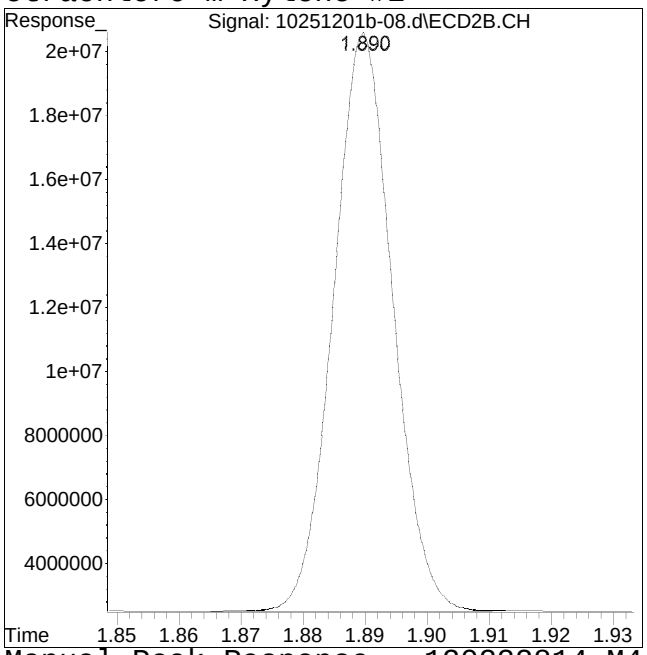
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201Q
Data File : 10251201b-08.d
Date Inj'd : 12/1/2025 9:20
Sample : WG2147433-3,42,,

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:jag
Instrument : Pest 10
Quant Date : 12/1/2025 5:20 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



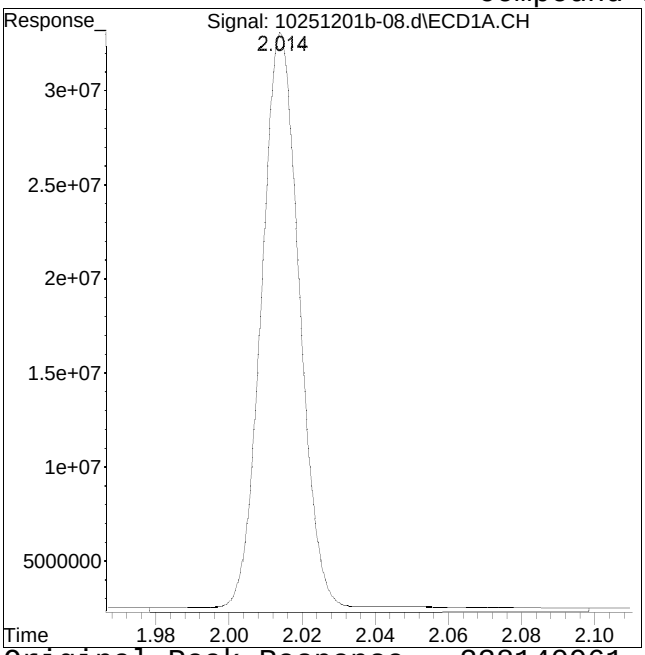


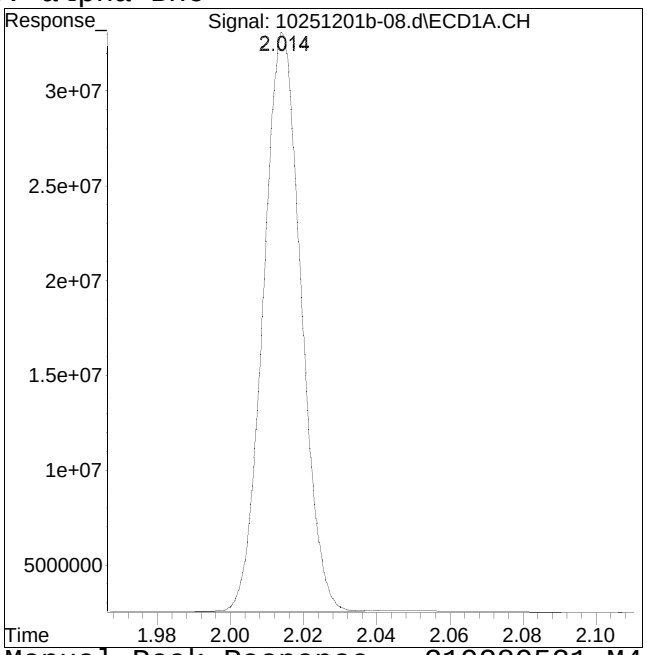
Original Peak Response = 120459919 Manual Peak Response = 120222814 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #4: alpha-BHC



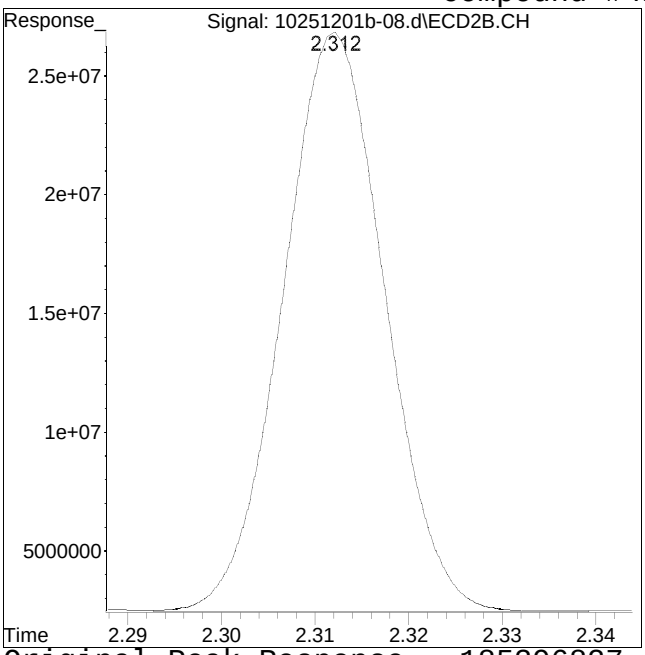


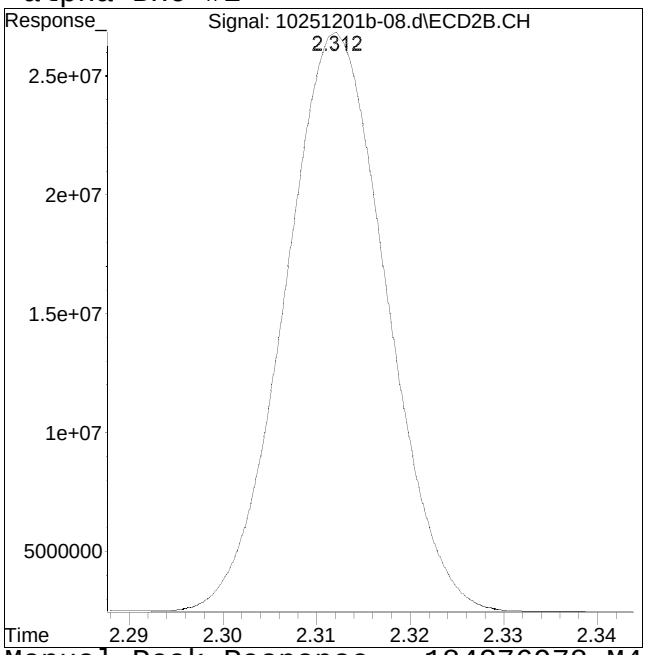
Original Peak Response = 238140961 Manual Peak Response = 219389521 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #42: alpha-BHC #2



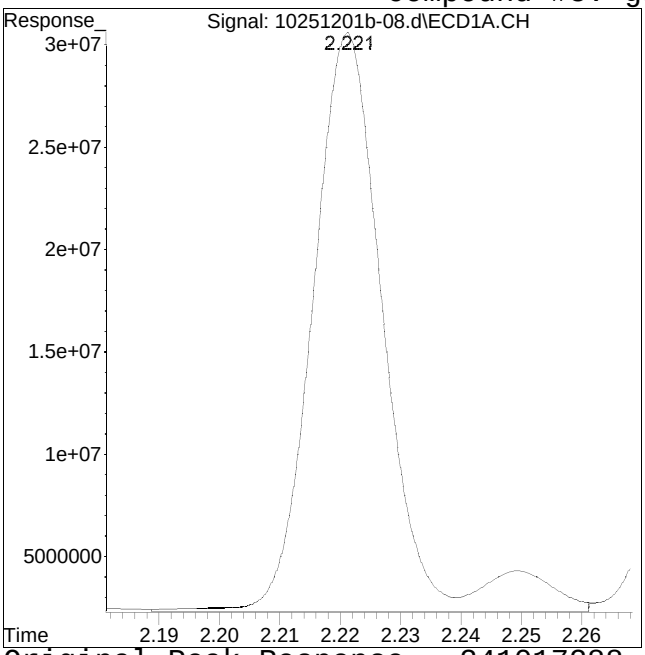


Original Peak Response = 185396827 Manual Peak Response = 184276978 M4
M4 = Poor automated baseline construction.

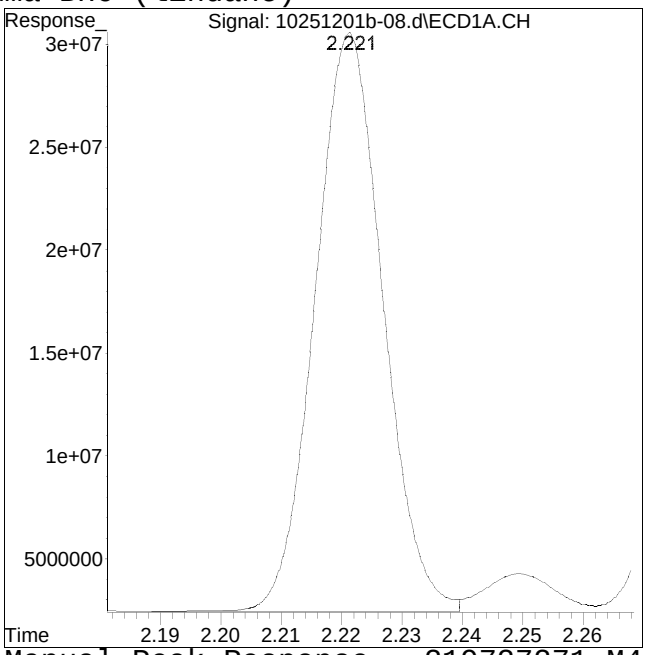
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #5: gamma-BHC (lindane)



Original Peak Response = 241017288



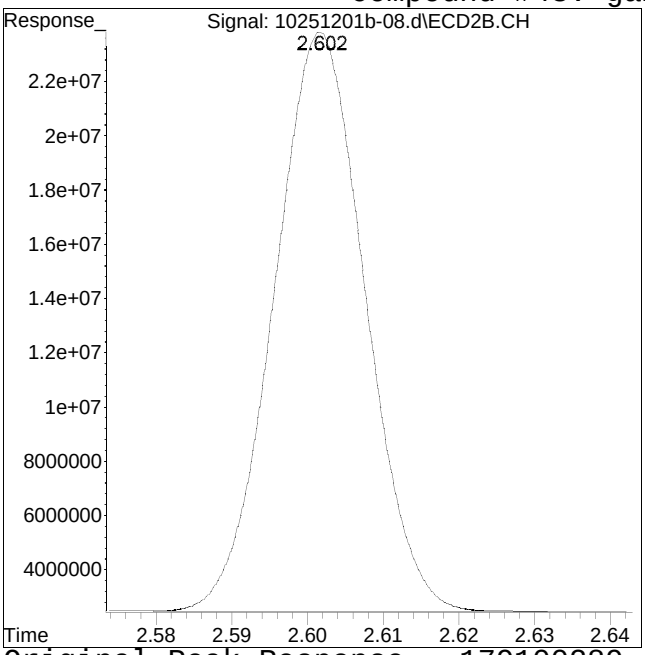
Manual Peak Response = 219727271 M4

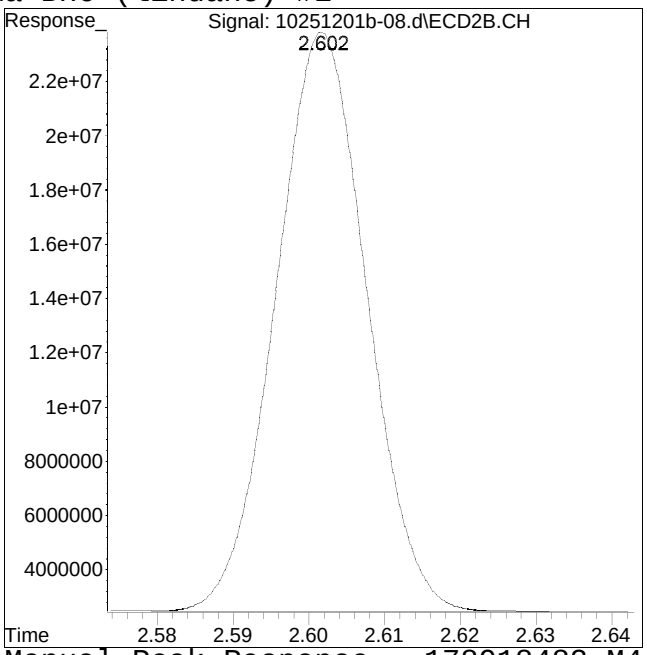
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #43: gamma-BHC (lindane) #2



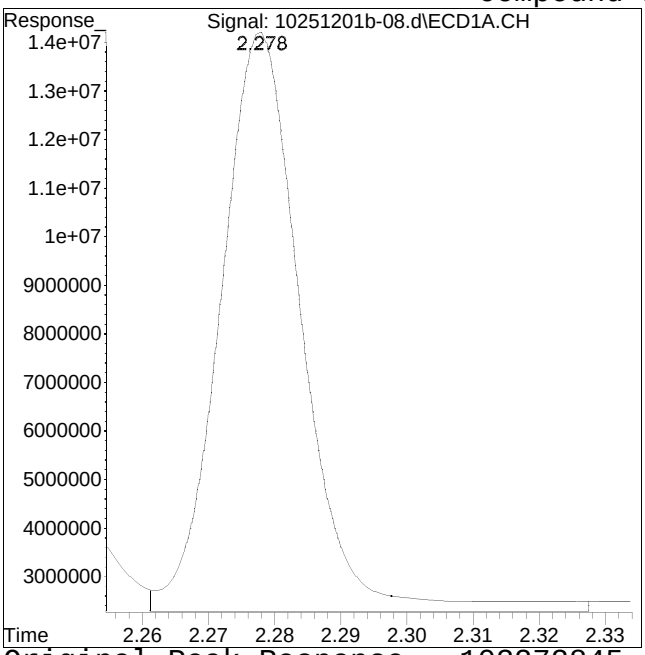


Original Peak Response = 179100289 Manual Peak Response = 178918482 M4
M4 = Poor automated baseline construction.

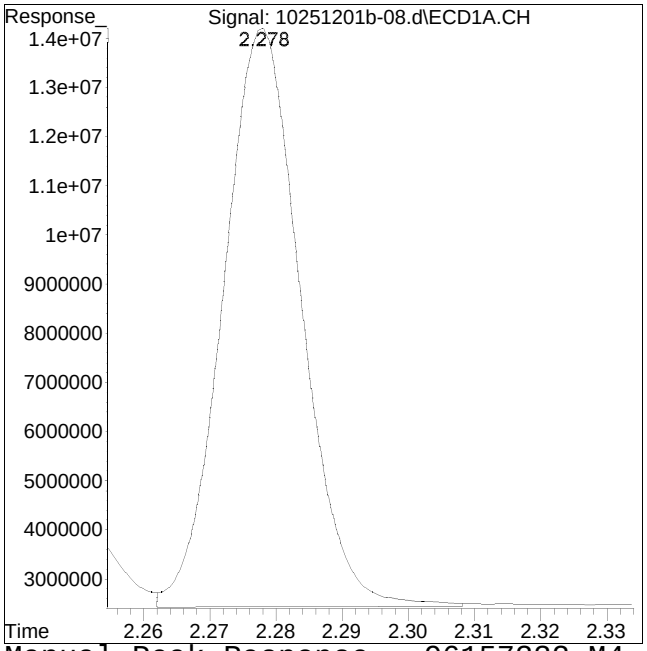
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #6: beta-BHC



Original Peak Response = 103272845



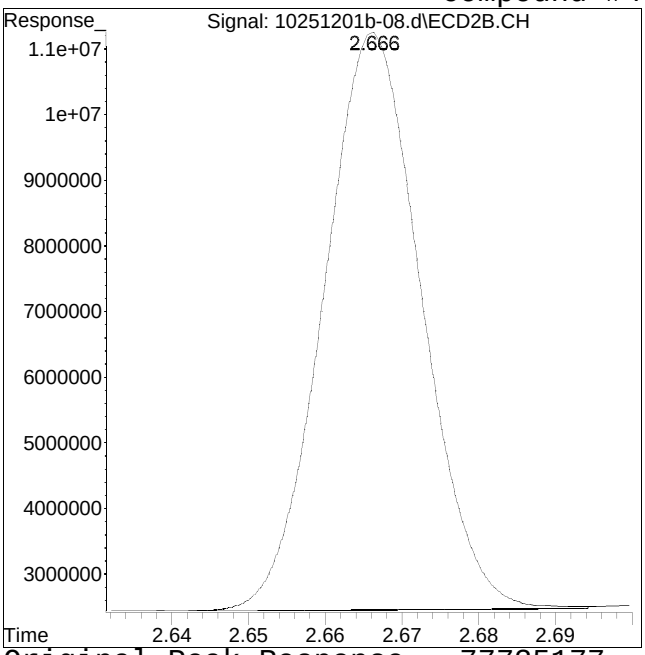
Manual Peak Response = 96157332 M4

M4 = Poor automated baseline construction.

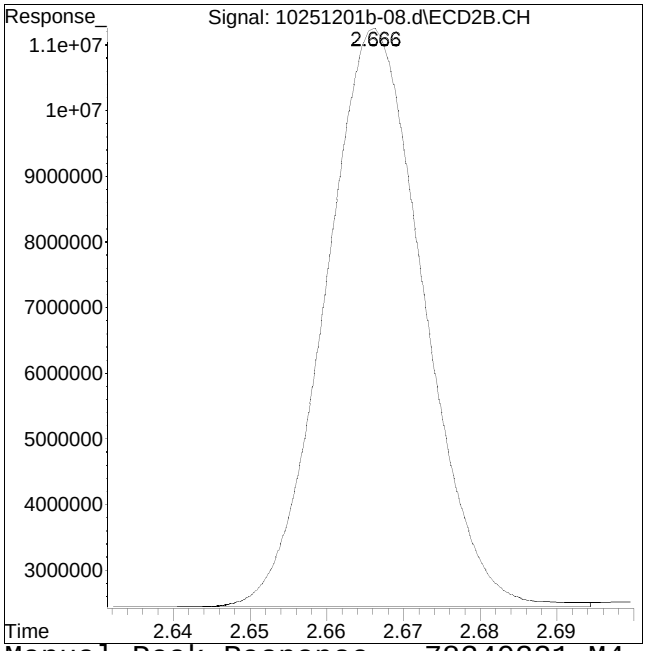
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #44: beta-BHC #2



Original Peak Response = 77735177



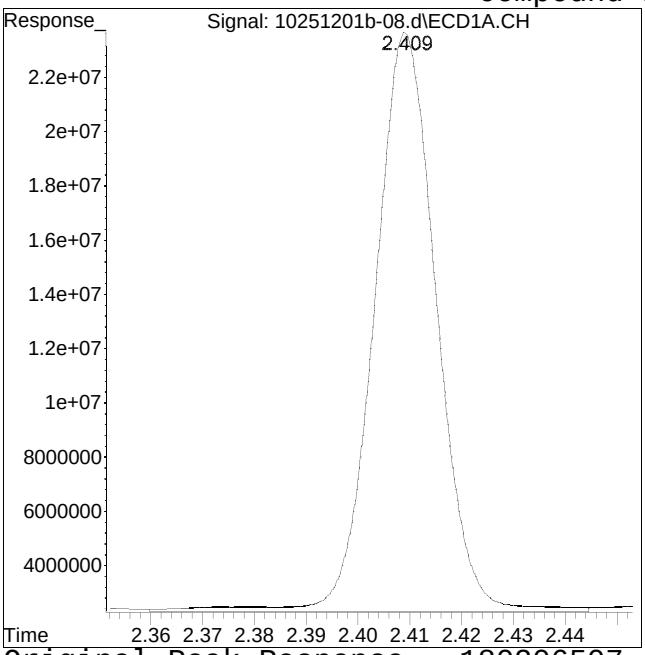
Manual Peak Response = 78340321 M4

M4 = Poor automated baseline construction.

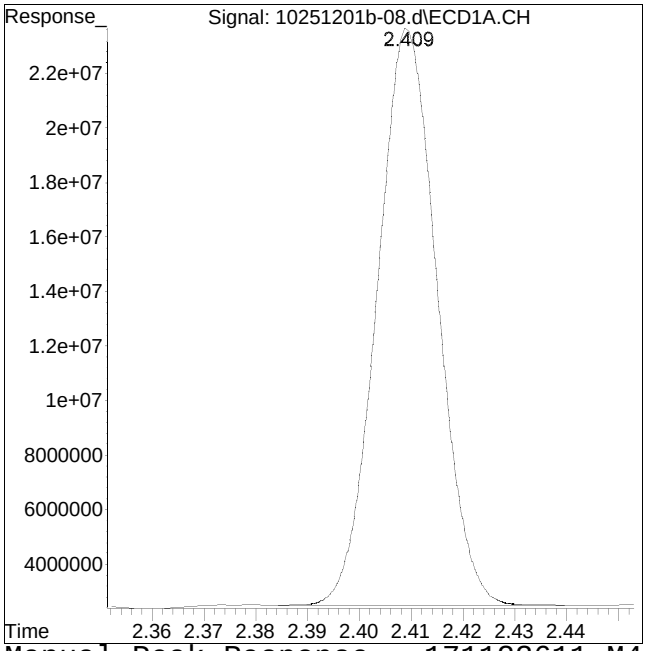
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #7: delta-BHC



Original Peak Response = 180206507



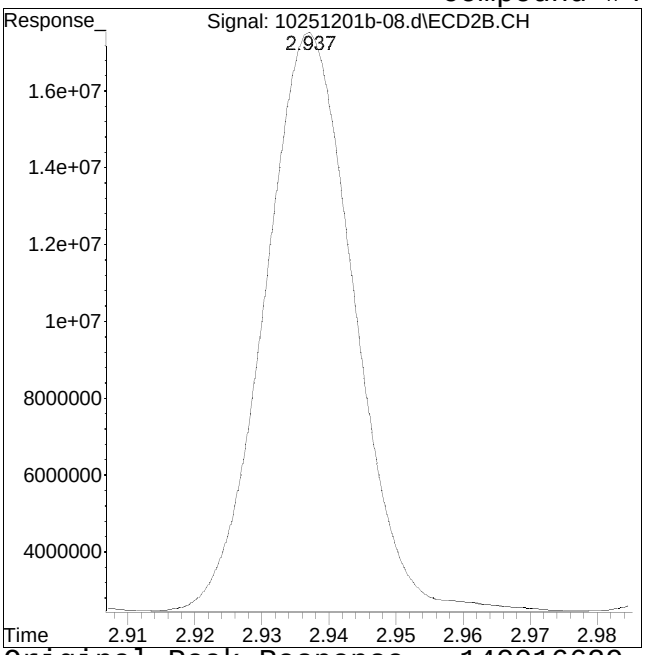
Manual Peak Response = 171123611 M4

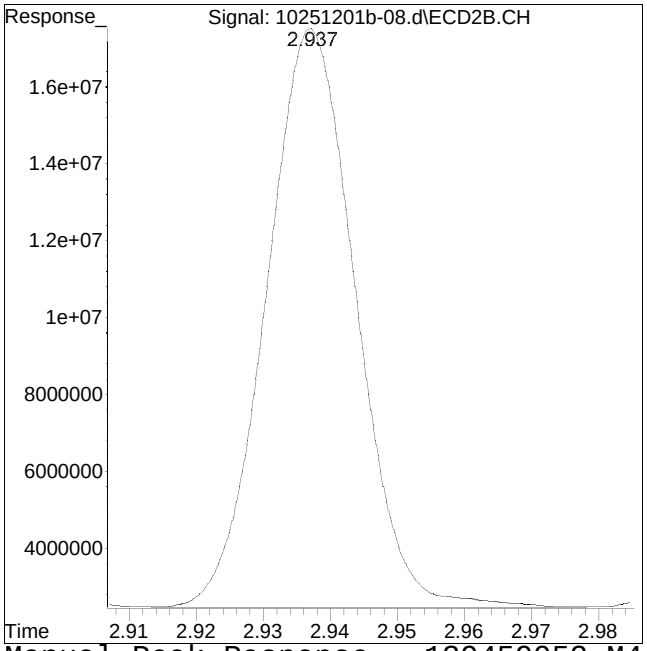
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #45: delta-BHC #2



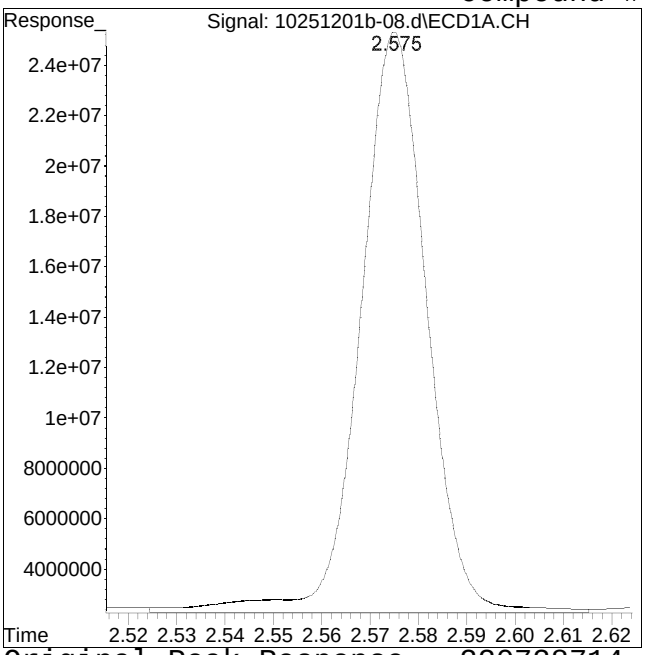


Original Peak Response = 140016629 Manual Peak Response = 139459952 M4
M4 = Poor automated baseline construction.

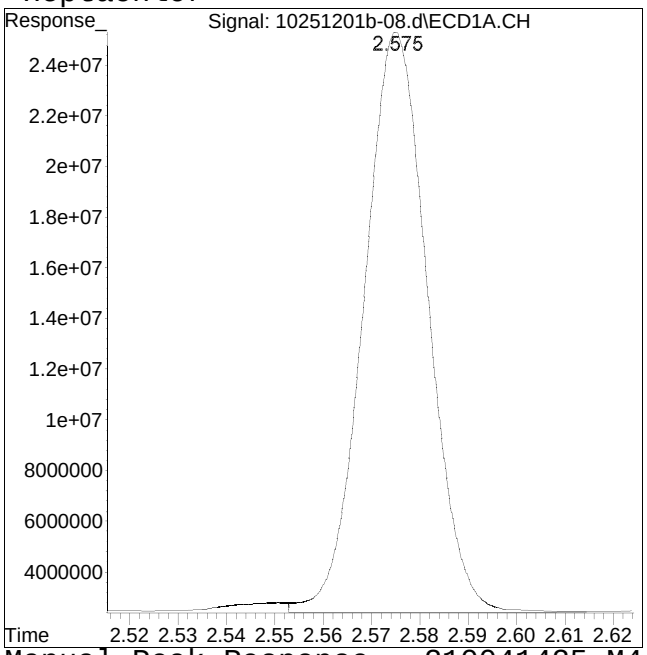
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #8: Heptachlor



Original Peak Response = 220728714



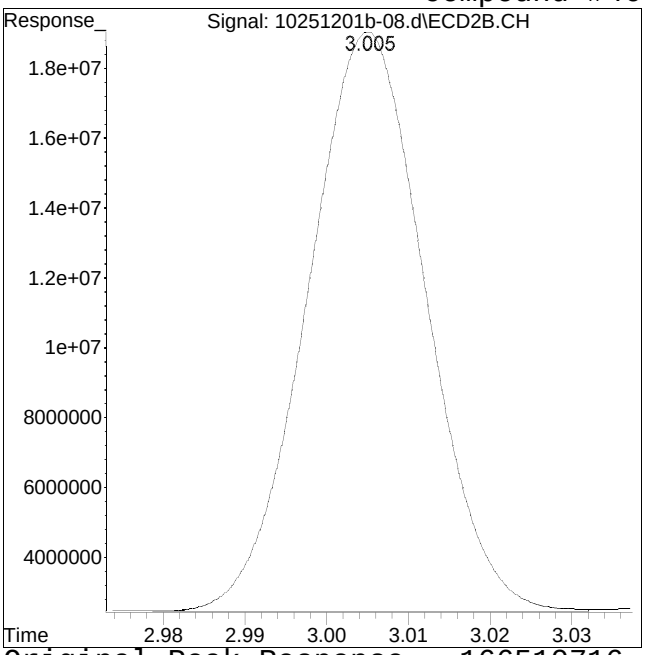
Manual Peak Response = 210041425 M4

M4 = Poor automated baseline construction.

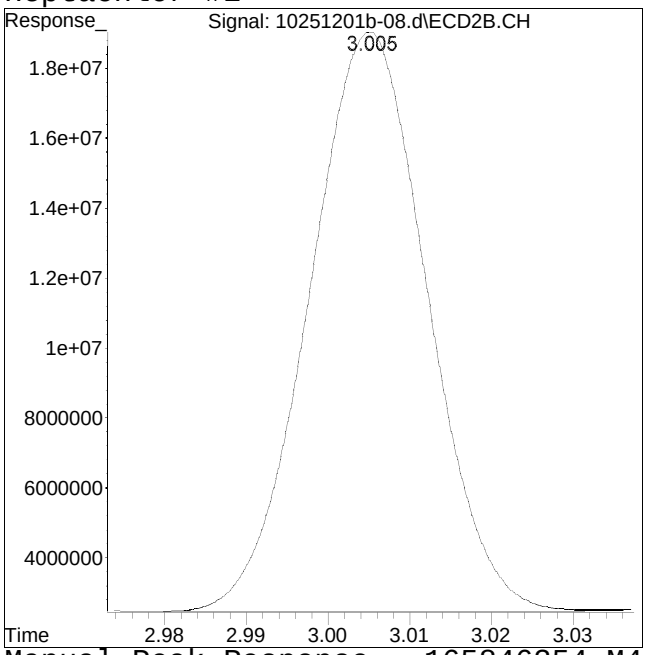
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #46: Heptachlor #2



Original Peak Response = 166510716



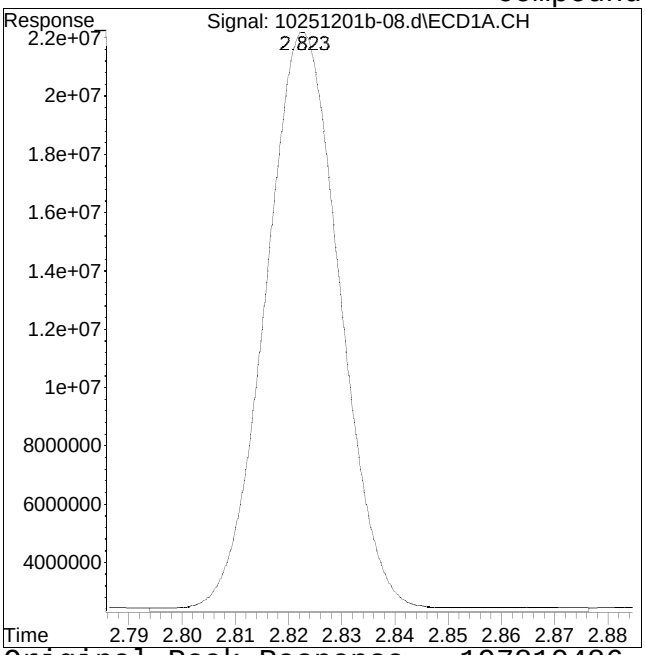
Manual Peak Response = 165846354 M4

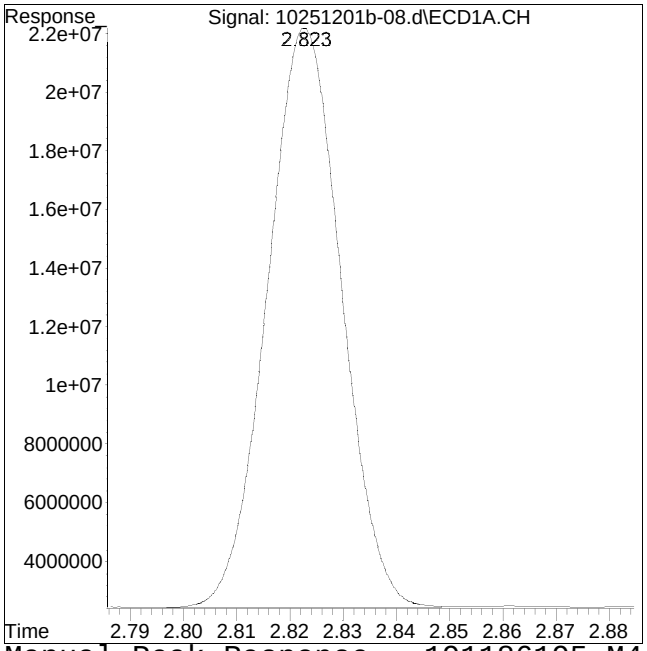
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #9: Aldrin



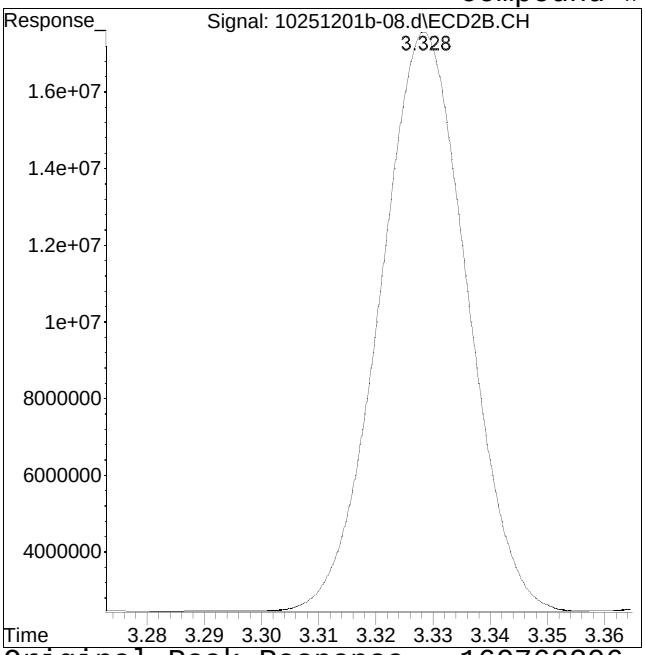


Original Peak Response = 197810486 Manual Peak Response = 191186195 M4
M4 = Poor automated baseline construction.

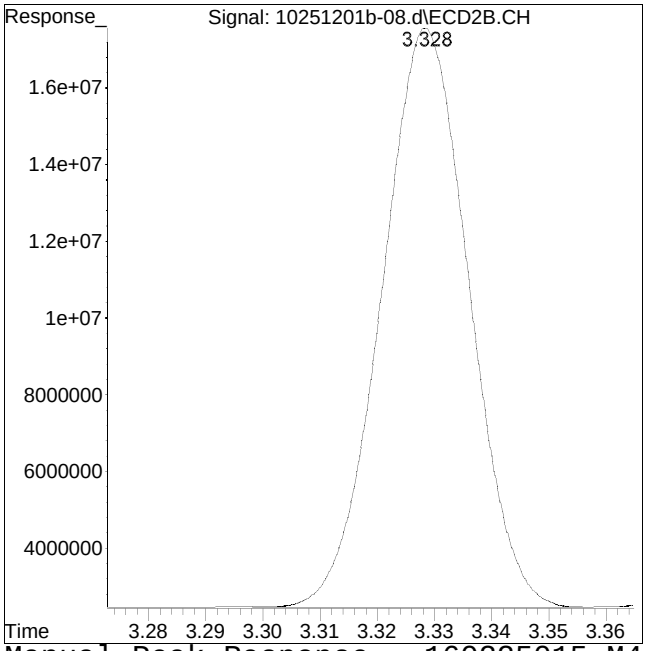
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #47: Aldrin #2



Original Peak Response = 160768206



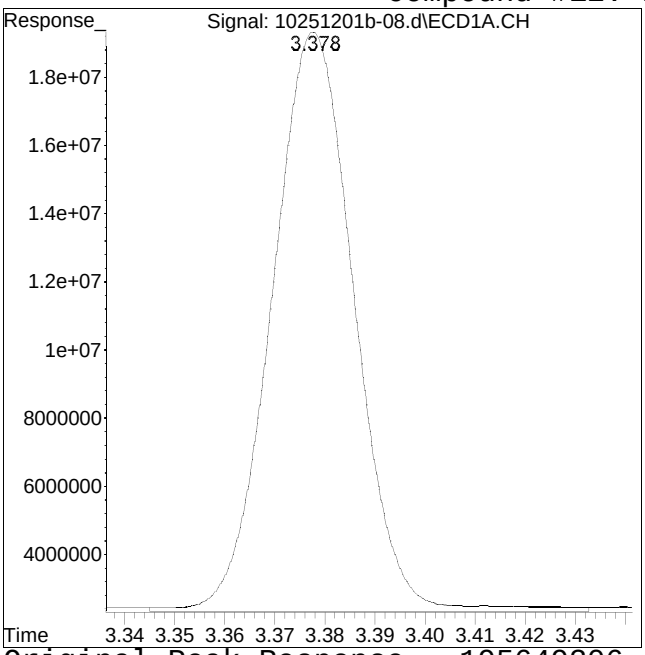
Manual Peak Response = 160225015 M4

M4 = Poor automated baseline construction.

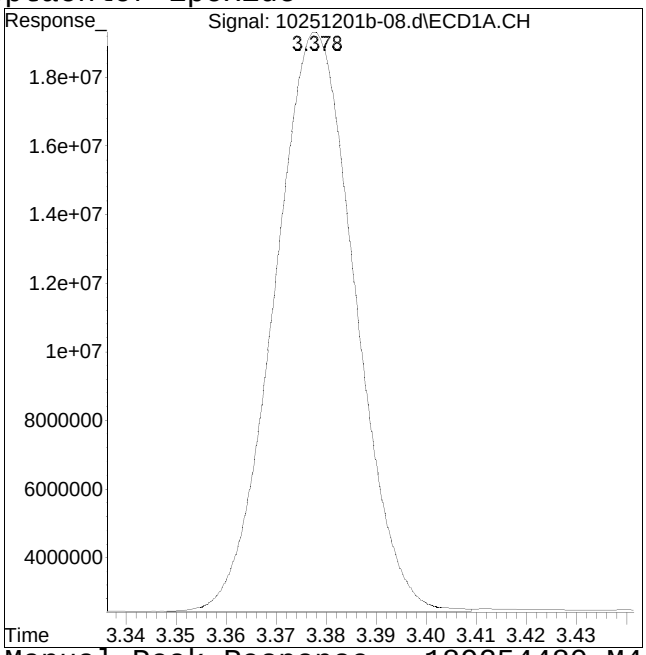
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #12: Heptachlor Epoxide



Original Peak Response = 195649306



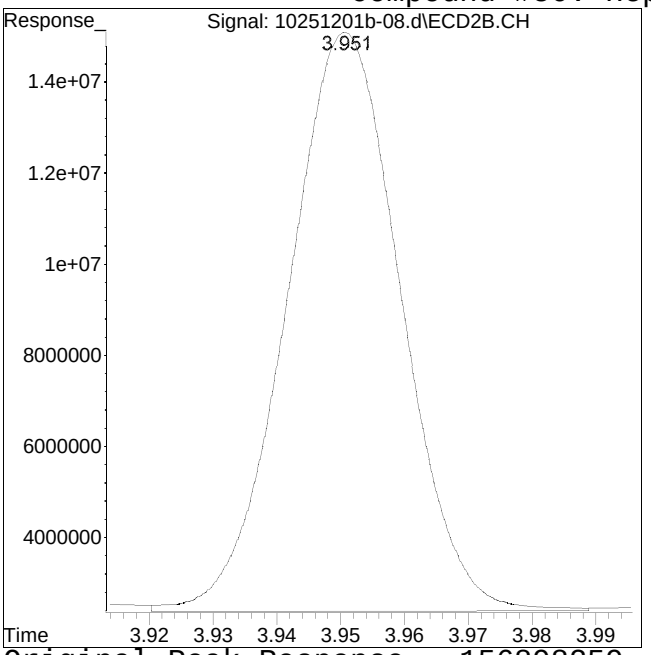
Manual Peak Response = 189254480 M4

M4 = Poor automated baseline construction.

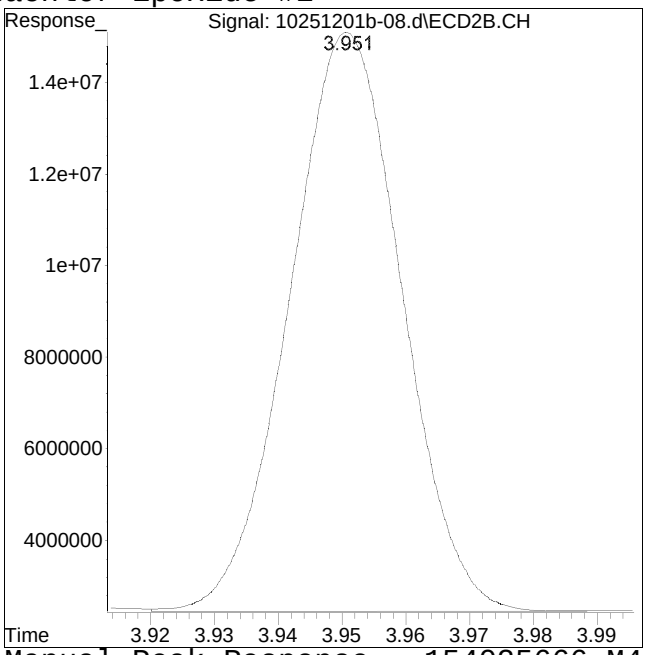
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 156898259



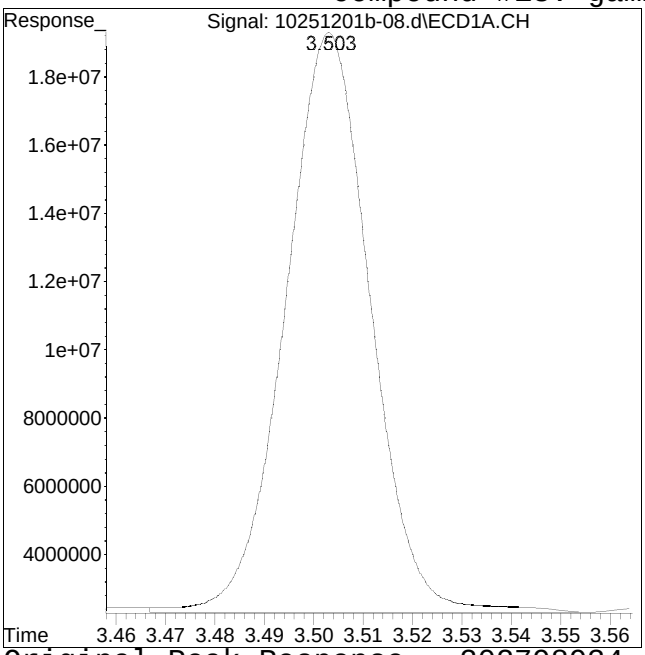
Manual Peak Response = 154025666 M4

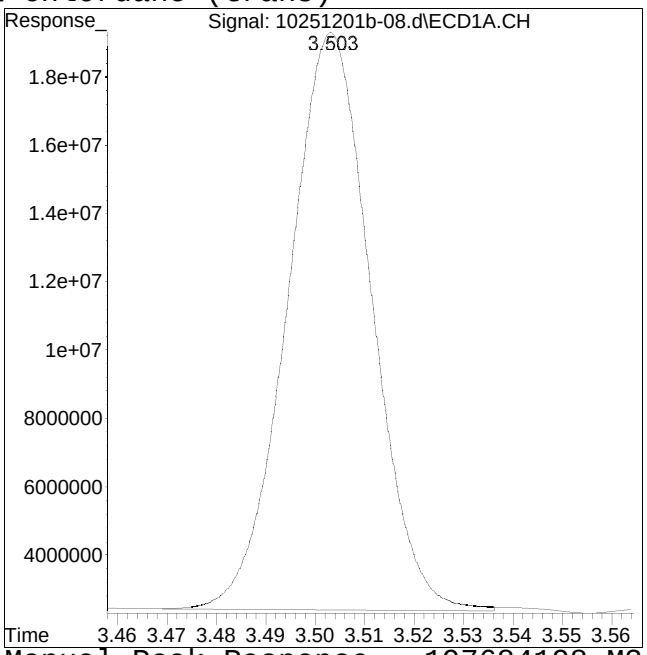
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #13: gamma-Chlordane (trans)



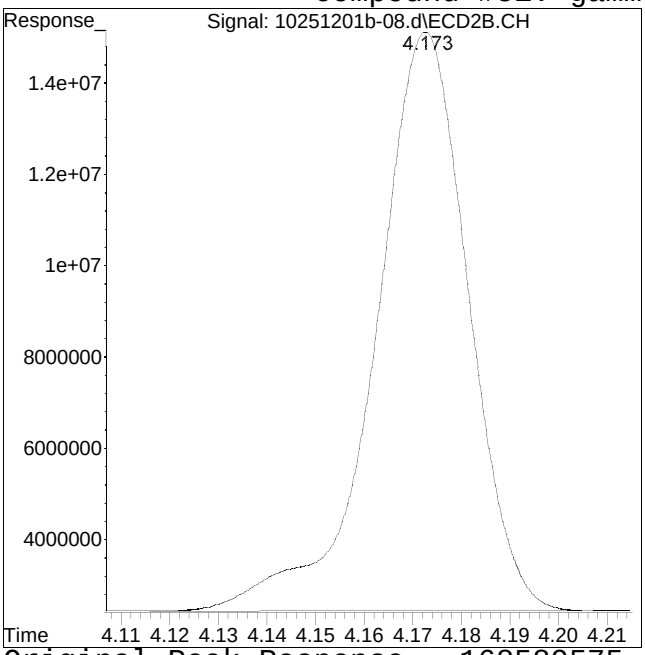


Original Peak Response = 202798934 Manual Peak Response = 197684198 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

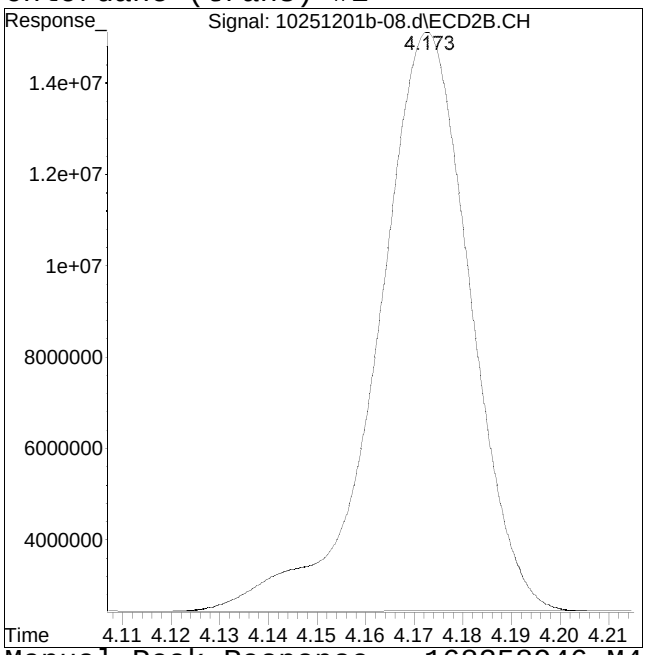
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 168589575



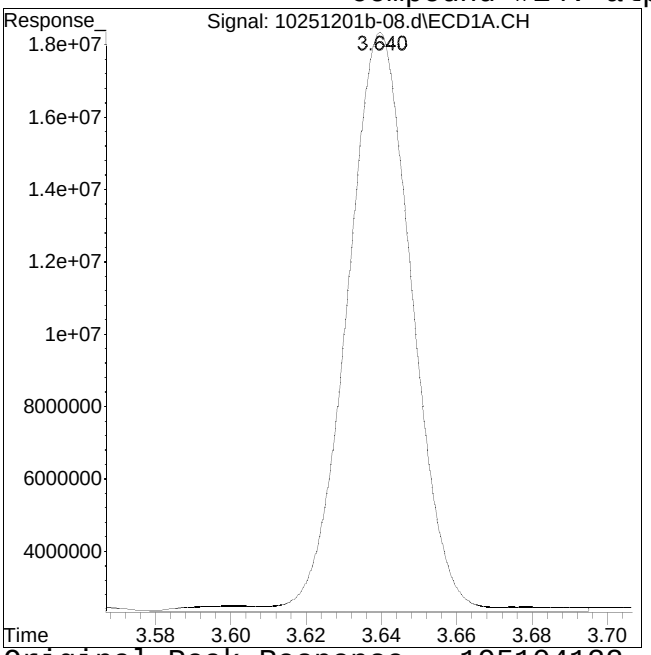
Manual Peak Response = 168358946 M4

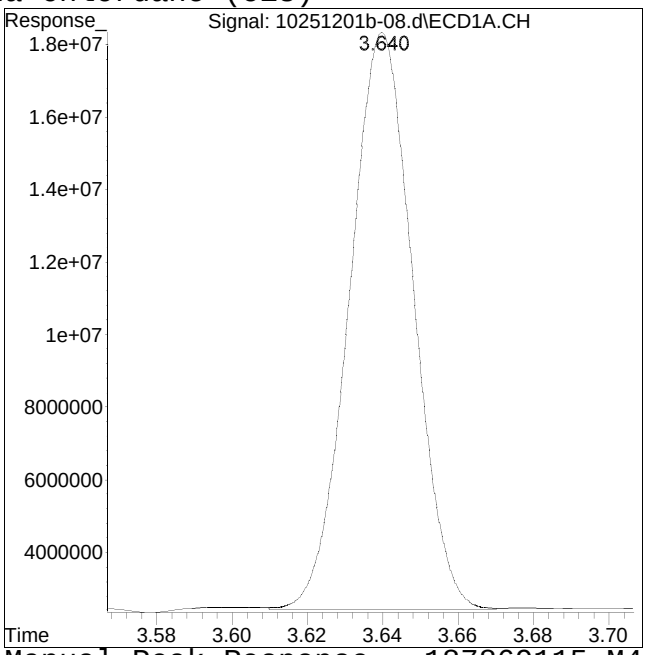
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #14: alpha-Chlordane (cis)



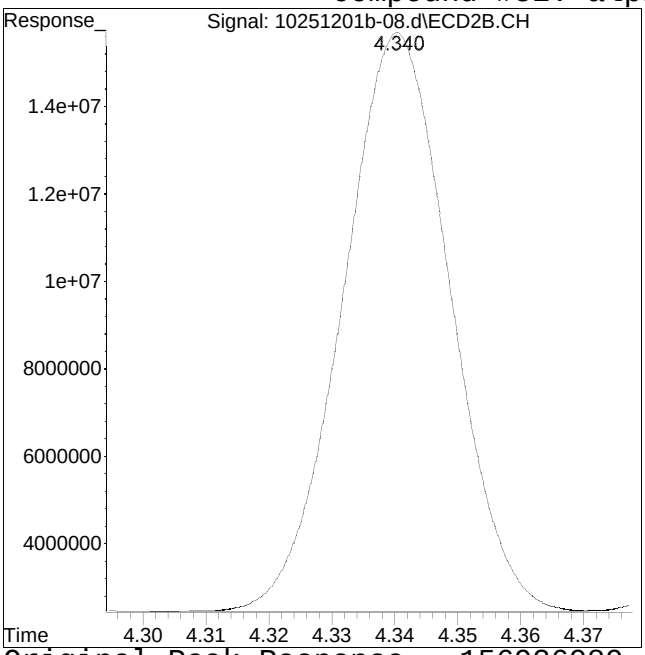


Original Peak Response = 195104122 Manual Peak Response = 187869115 M4
M4 = Poor automated baseline construction.

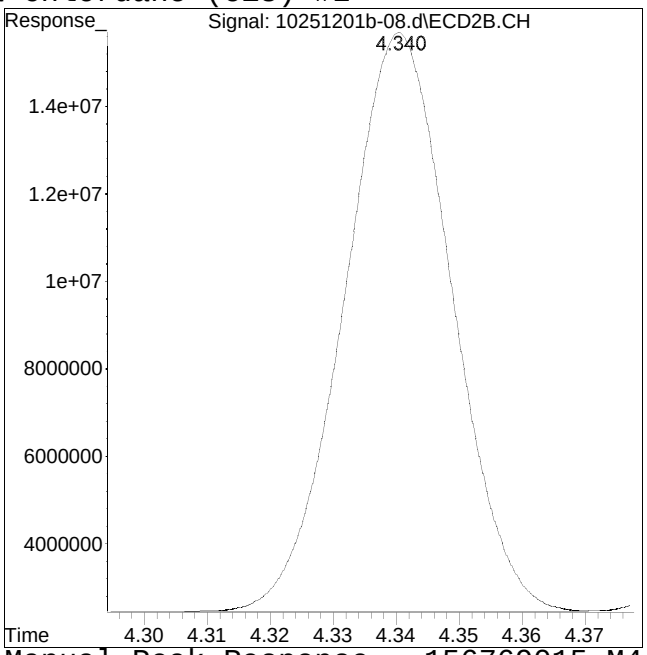
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 156926989



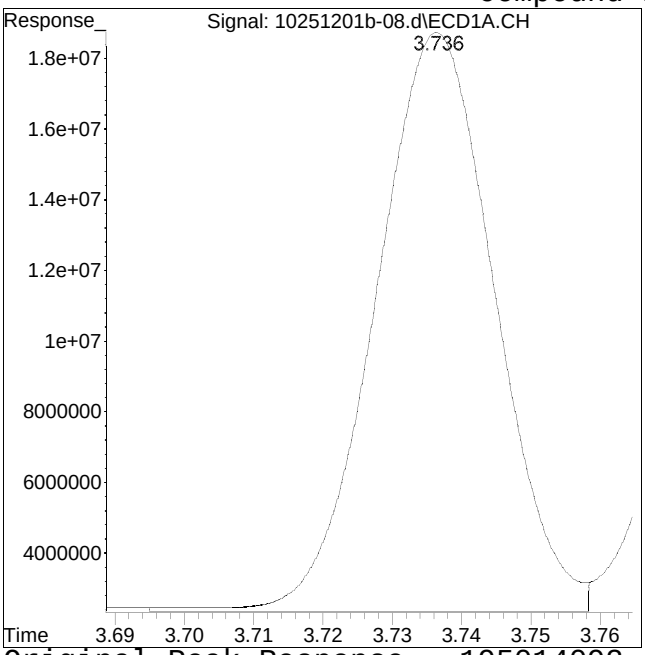
Manual Peak Response = 156769015 M4

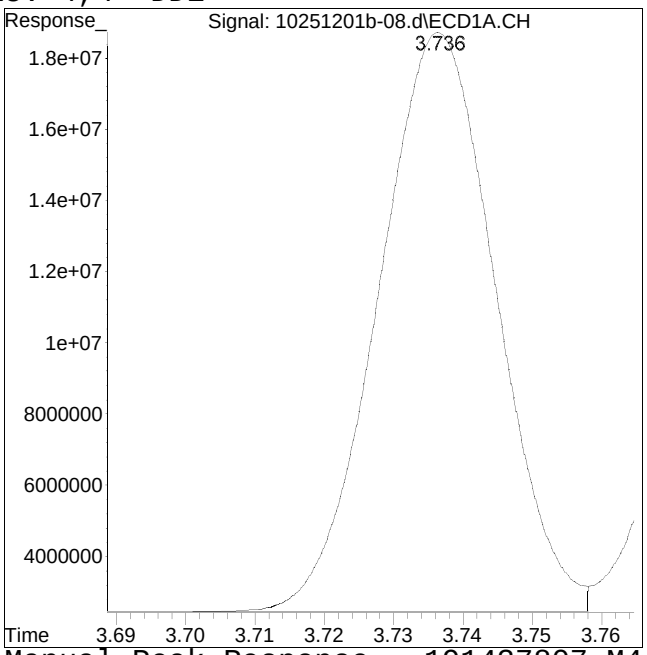
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #15: 4,4'-DDE



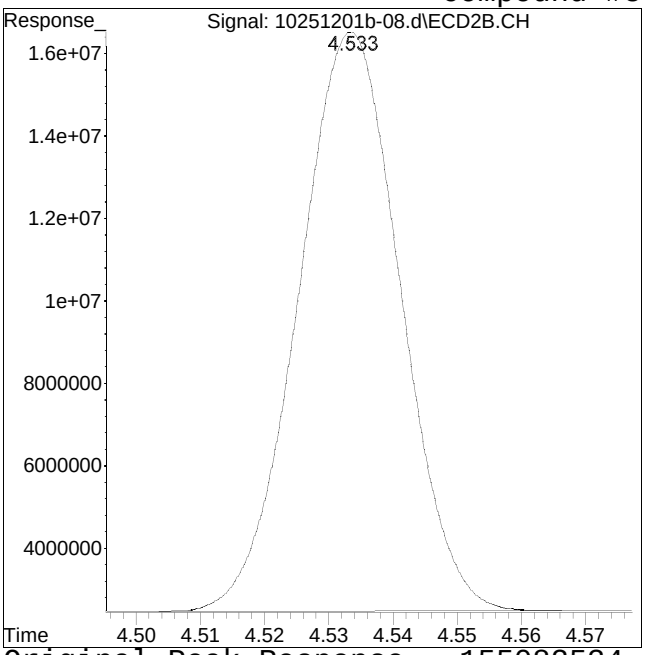


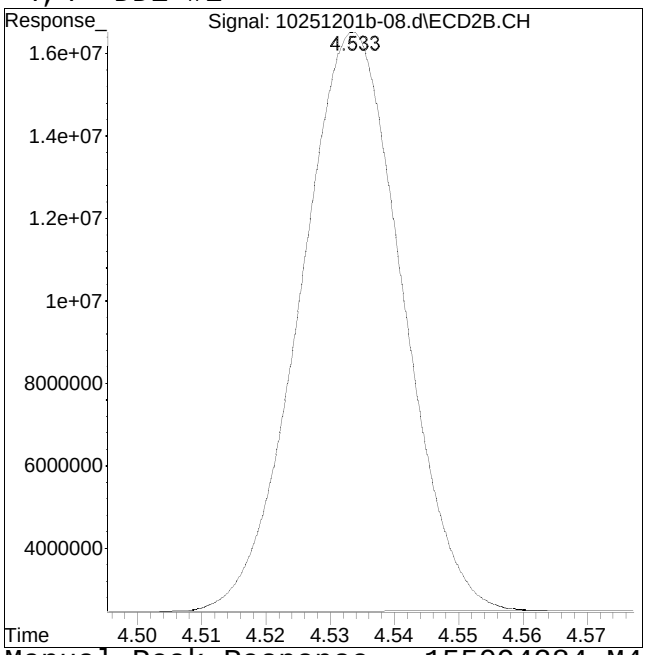
Original Peak Response = 195014092 Manual Peak Response = 191437807 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #53: 4,4'-DDE #2



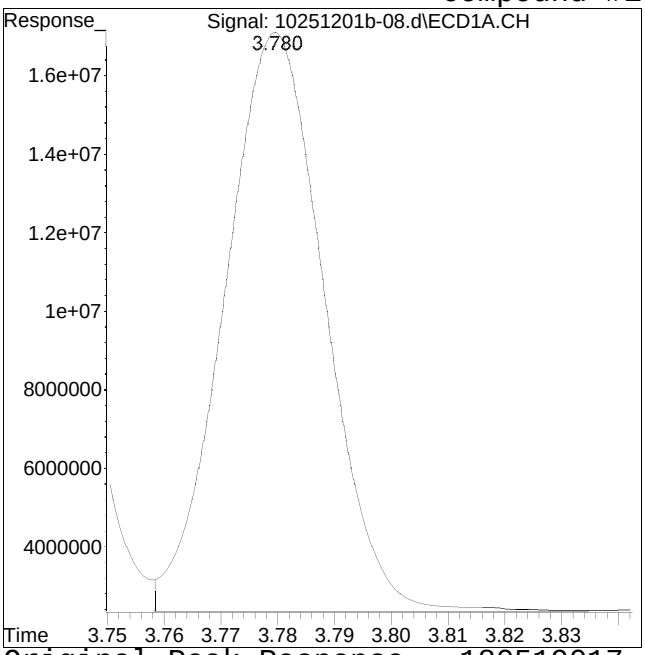


Original Peak Response = 155082534 Manual Peak Response = 155094284 M4
M4 = Poor automated baseline construction.

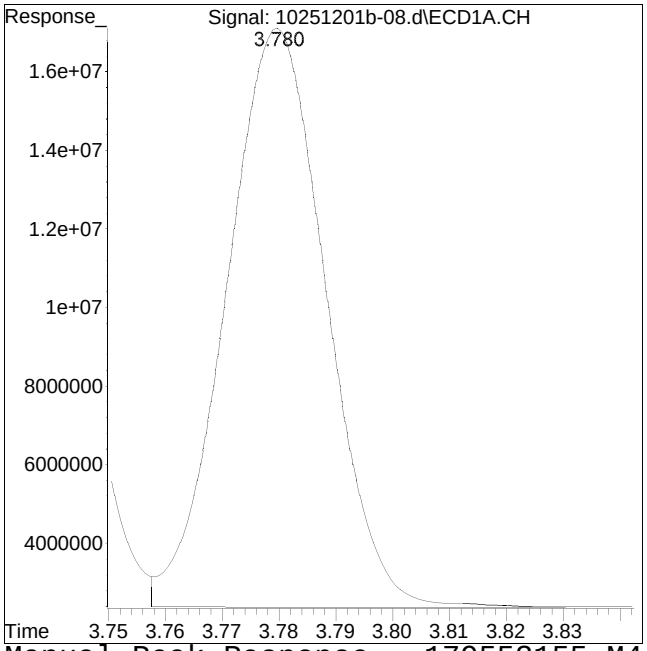
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #16: Endosulfan I



Original Peak Response = 180519017



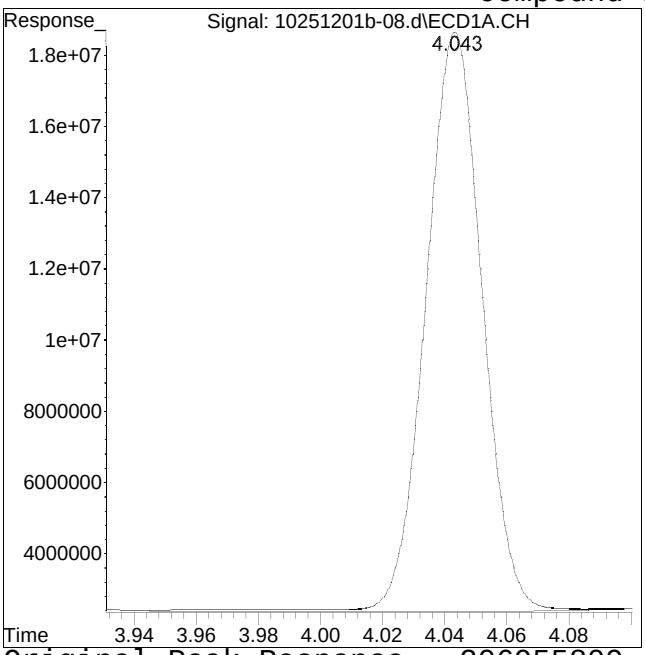
Manual Peak Response = 179553155 M4

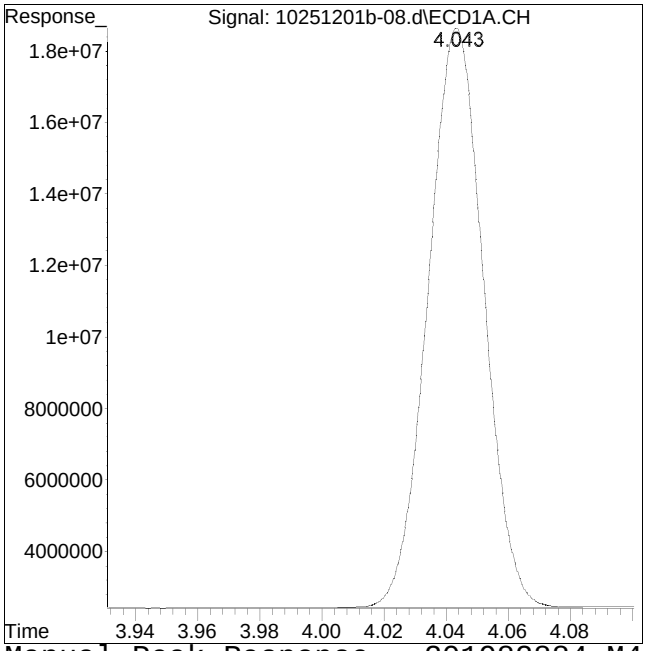
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #17: Dieldrin



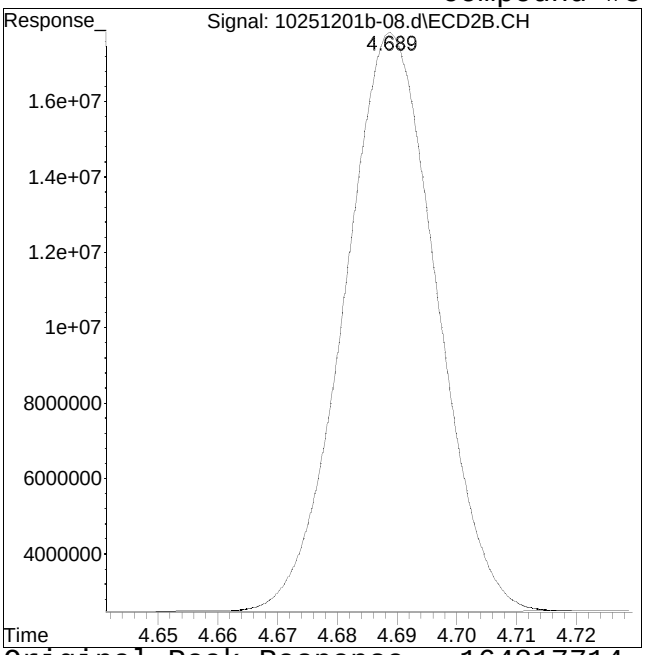


Original Peak Response = 206955809 Manual Peak Response = 201982884 M4
M4 = Poor automated baseline construction.

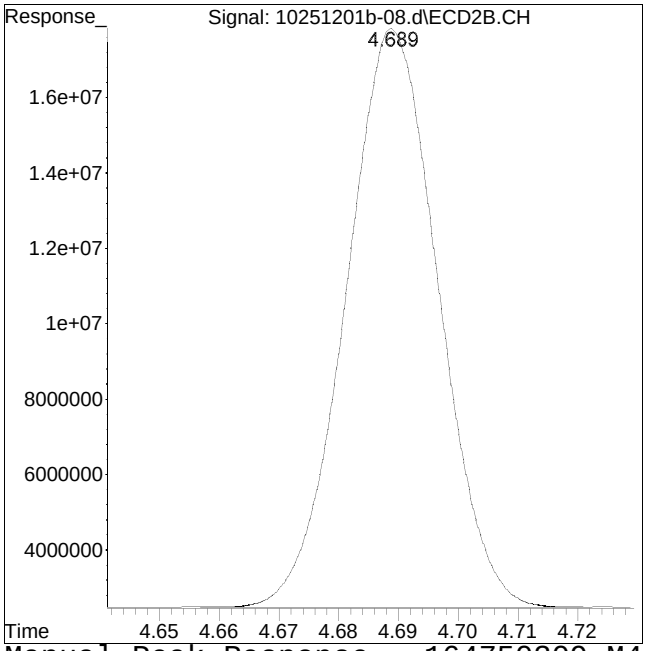
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #55: Dieldrin #2



Original Peak Response = 164817714



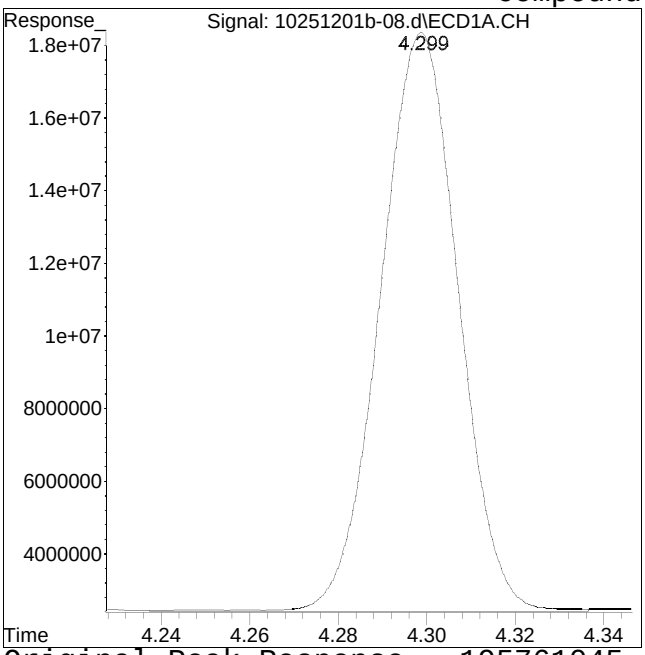
Manual Peak Response = 164750309 M4

M4 = Poor automated baseline construction.

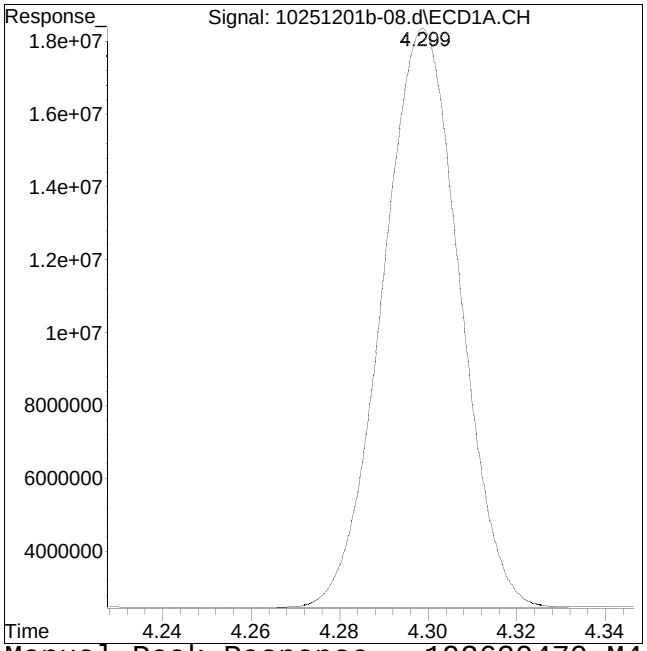
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #18: Endrin



Original Peak Response = 195761045



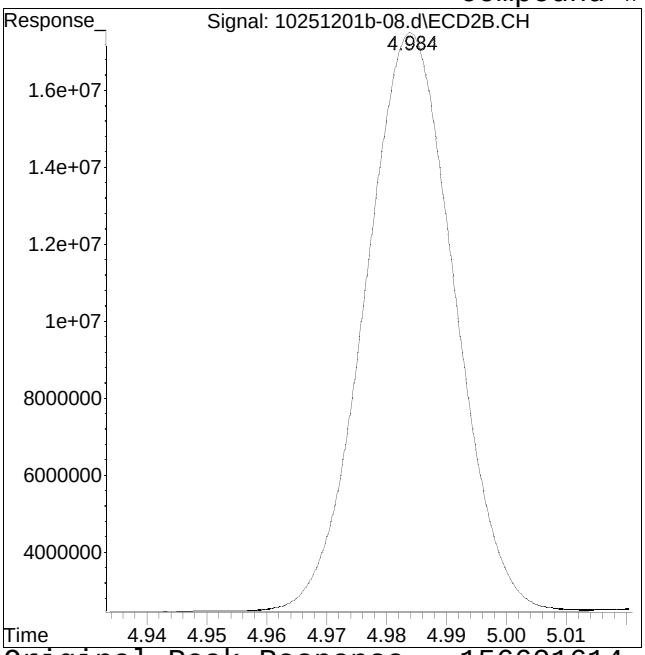
Manual Peak Response = 192620470 M4

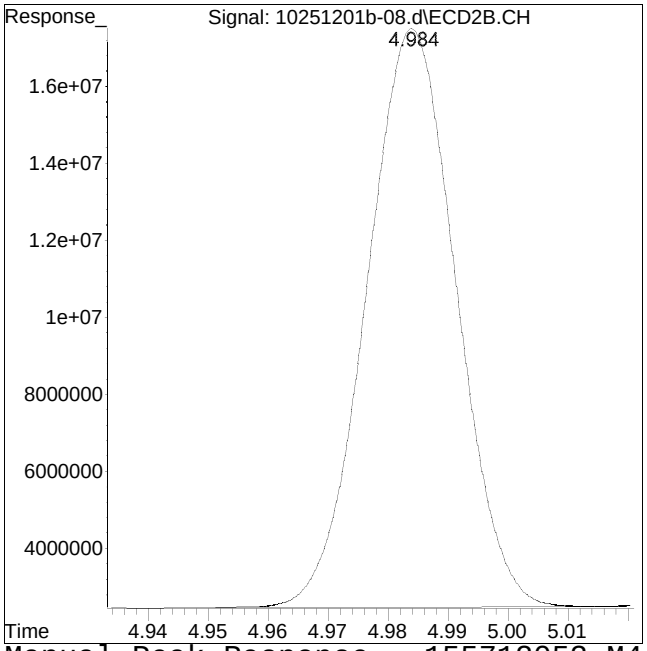
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #56: Endrin #2



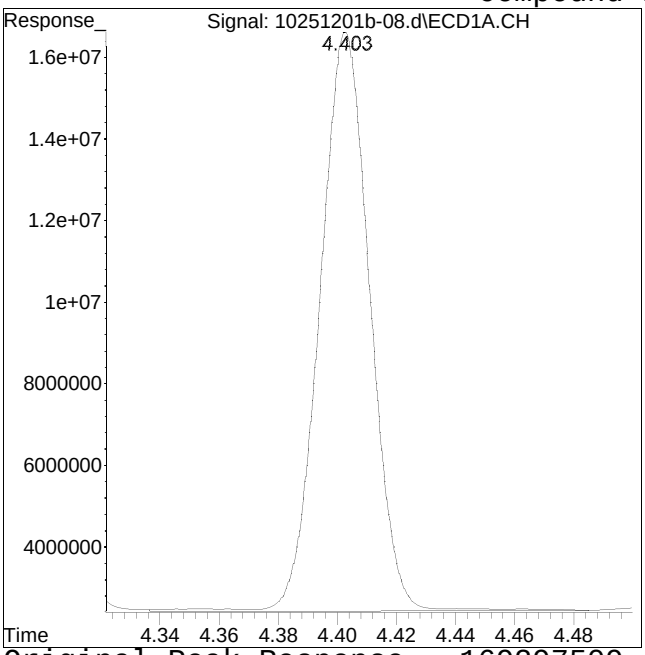


Original Peak Response = 156601614 Manual Peak Response = 155712053 M4
M4 = Poor automated baseline construction.

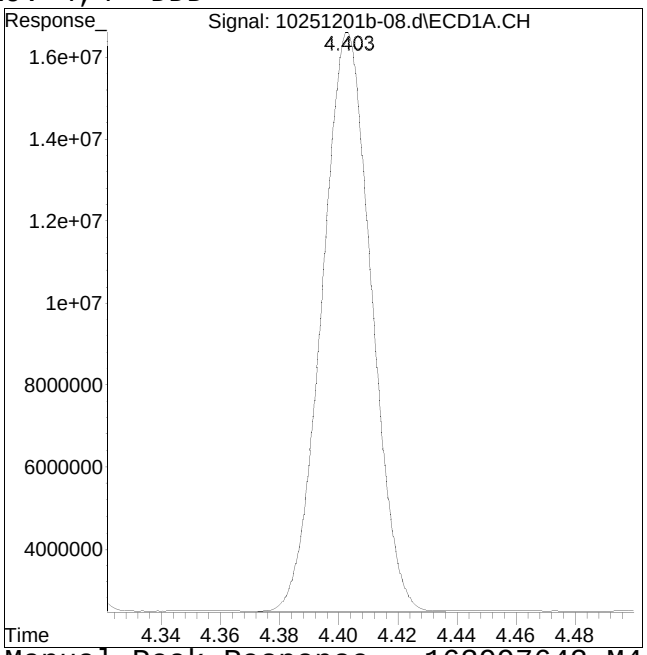
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #19: 4,4'-DDD



Original Peak Response = 169297509

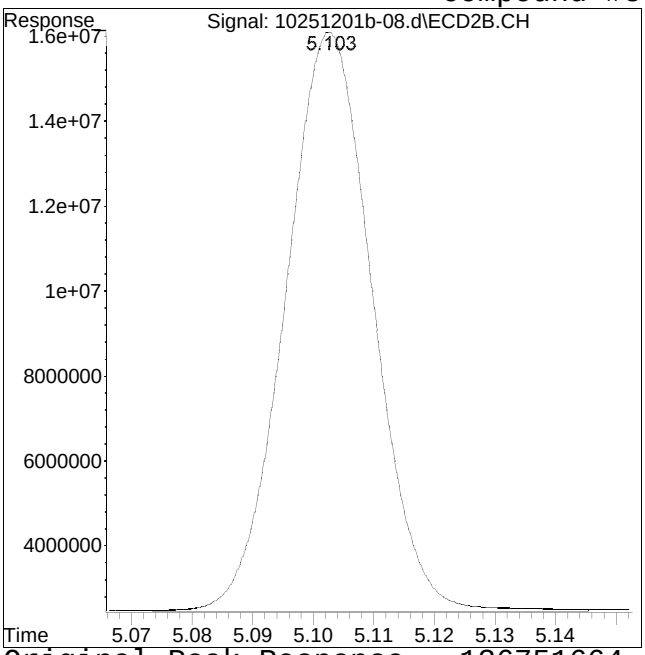


Manual Peak Response = 163997642 M4
M4 = Poor automated baseline construction.

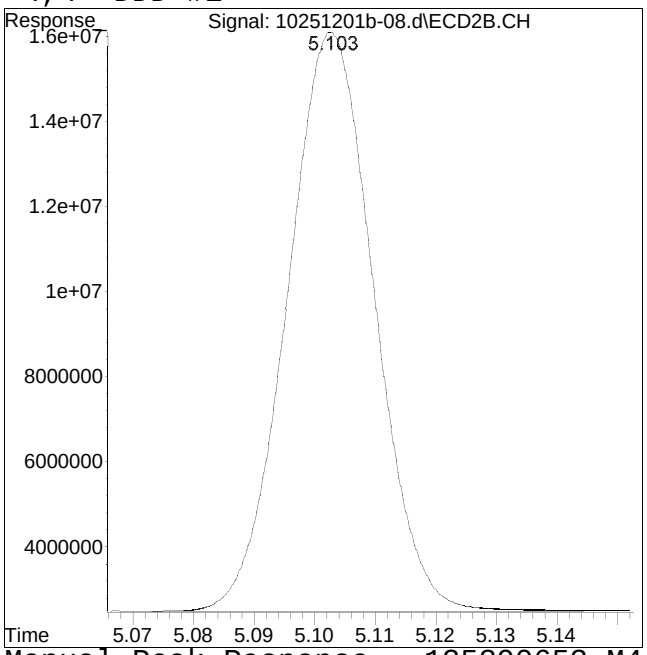
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #57: 4,4'-DDD #2



Original Peak Response = 136751664



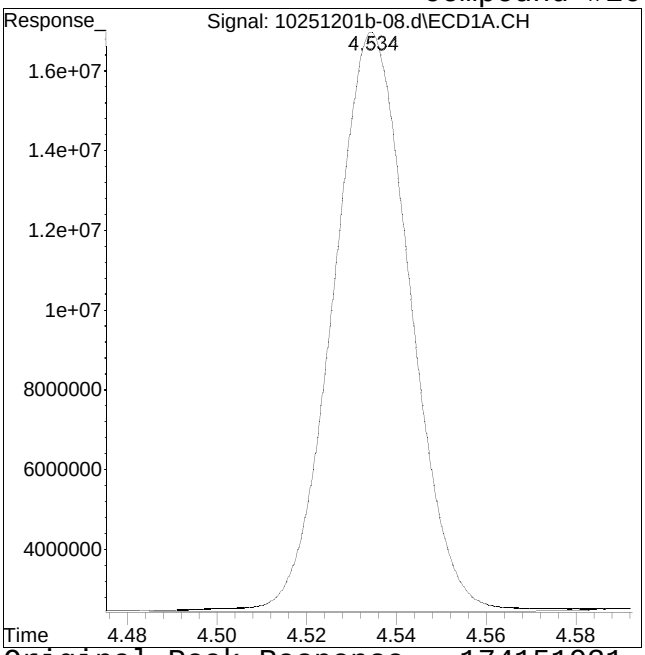
Manual Peak Response = 135390653 M4

M4 = Poor automated baseline construction.

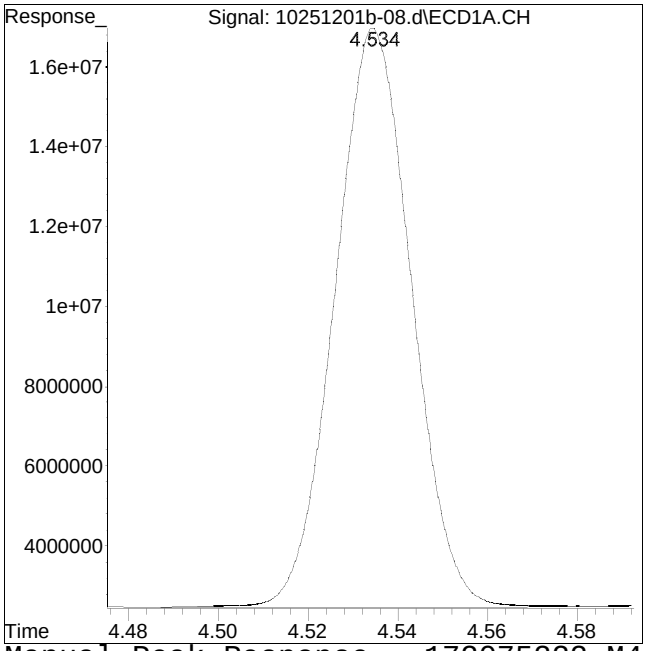
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #20: Endosulfan II



Original Peak Response = 174151931



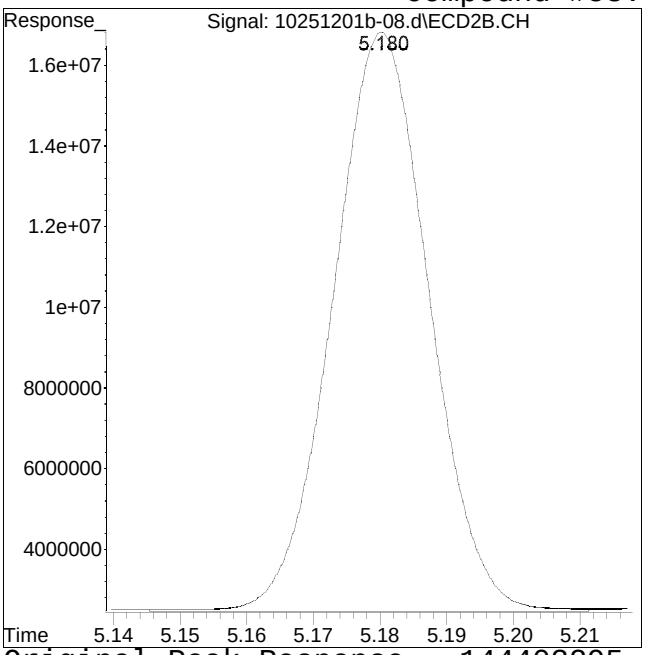
Manual Peak Response = 172075222 M4

M4 = Poor automated baseline construction.

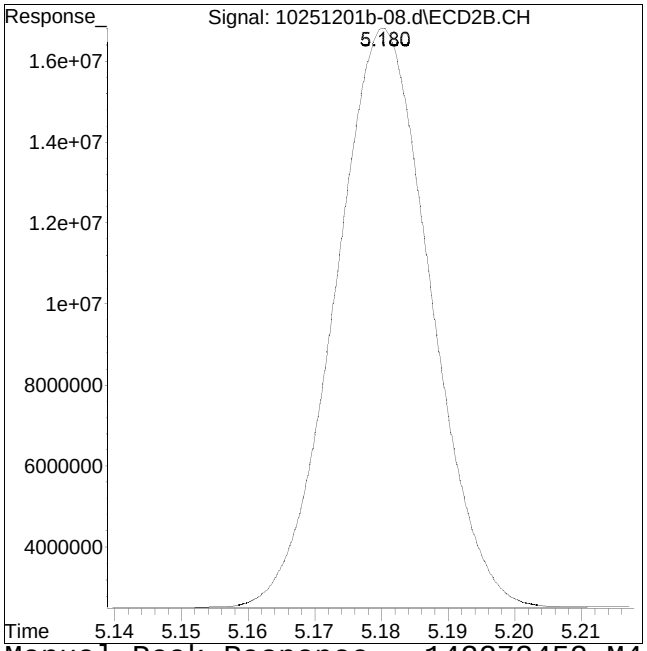
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #58: Endosulfan II #2



Original Peak Response = 144403295



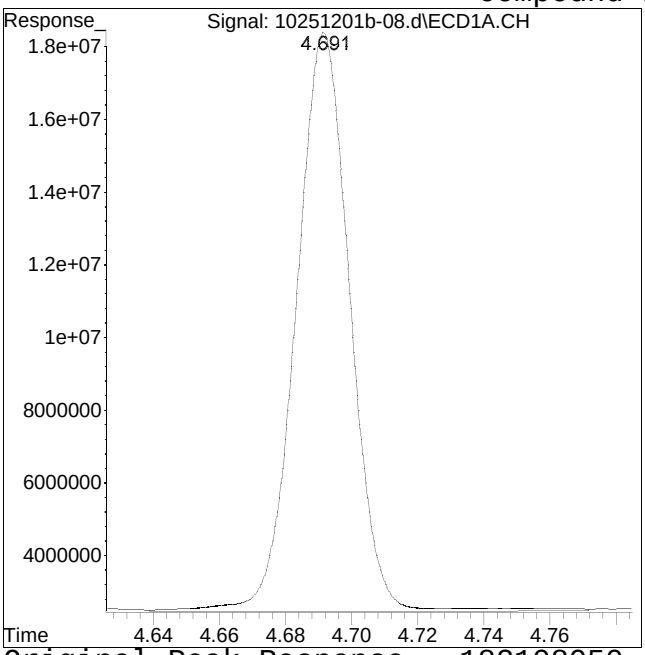
Manual Peak Response = 142273452 M4

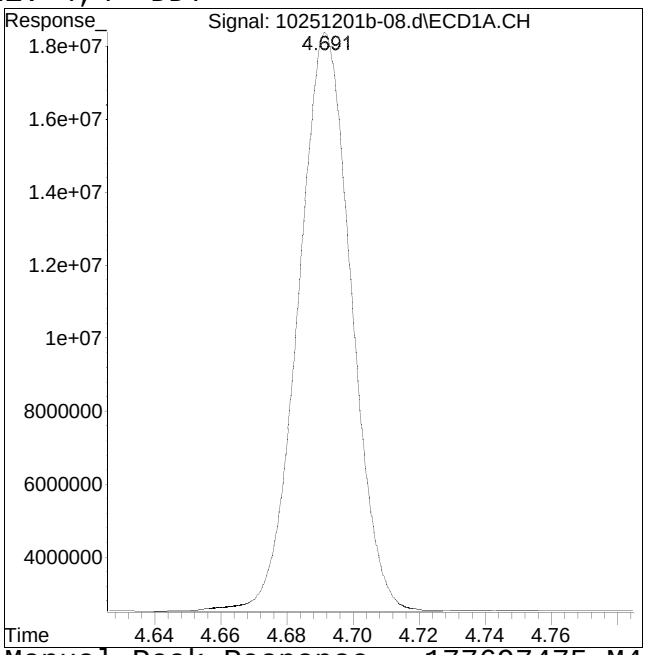
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #21: 4,4'-DDT



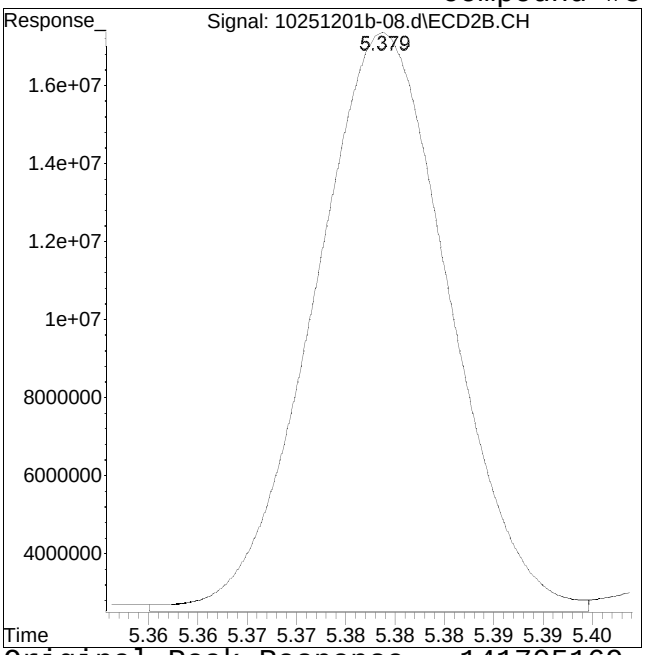


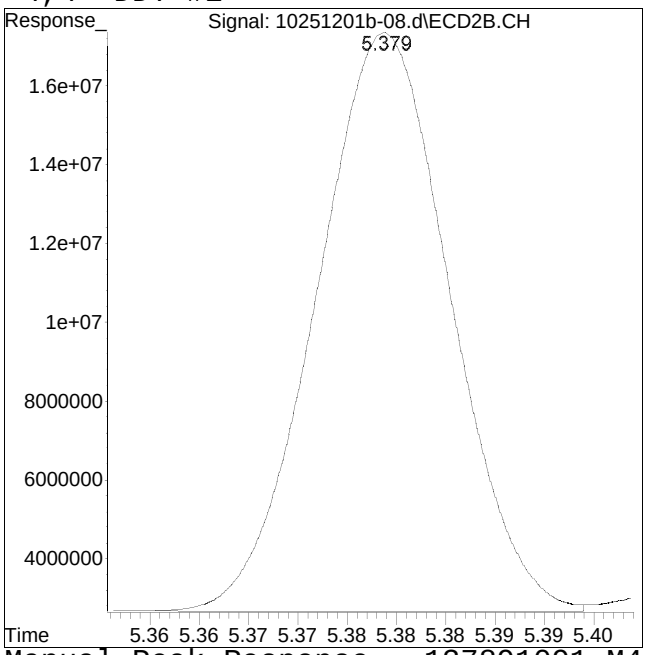
Original Peak Response = 182108950 Manual Peak Response = 177697475 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #59: 4,4'-DDT #2



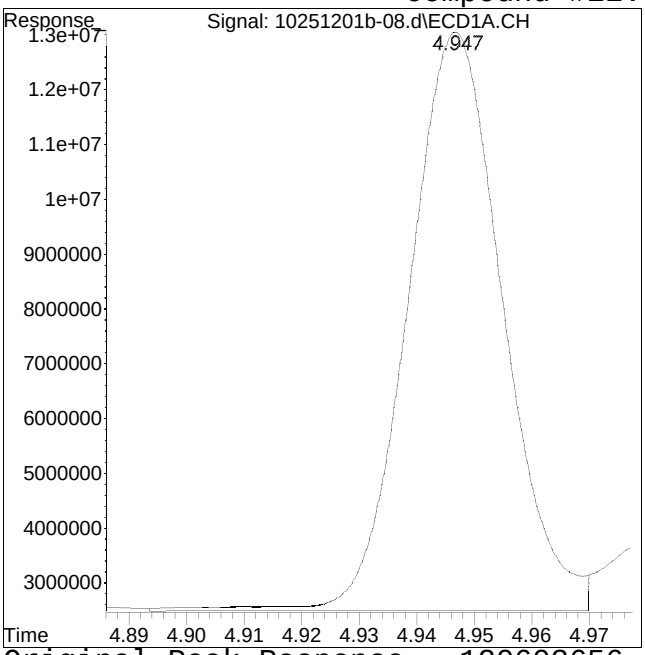


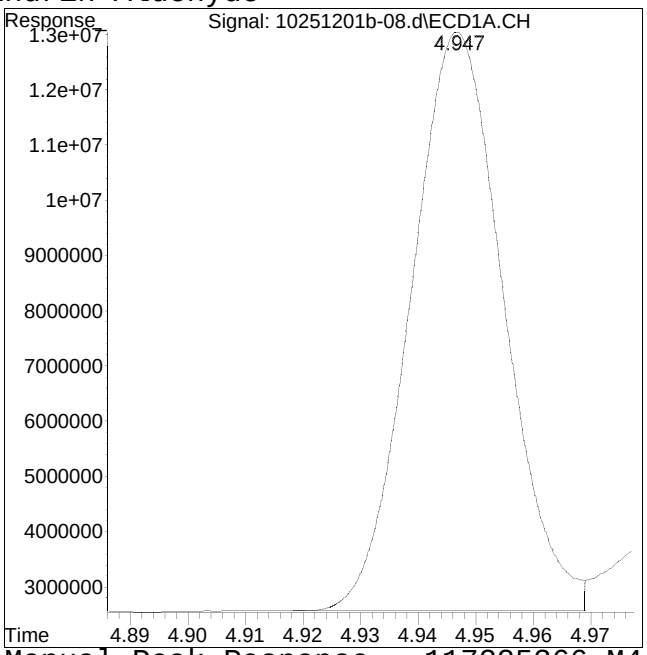
Original Peak Response = 141705169 Manual Peak Response = 137891091 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #22: Endrin Aldehyde



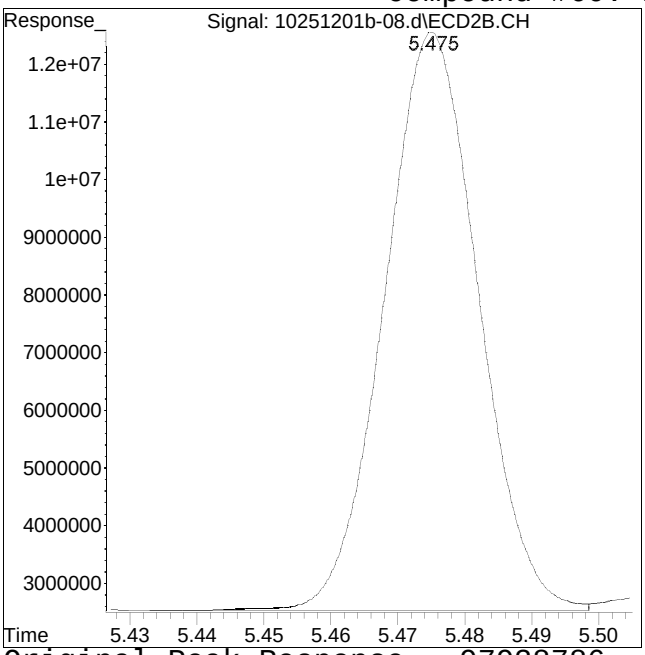


Original Peak Response = 120603656 Manual Peak Response = 117225366 M4
M4 = Poor automated baseline construction.

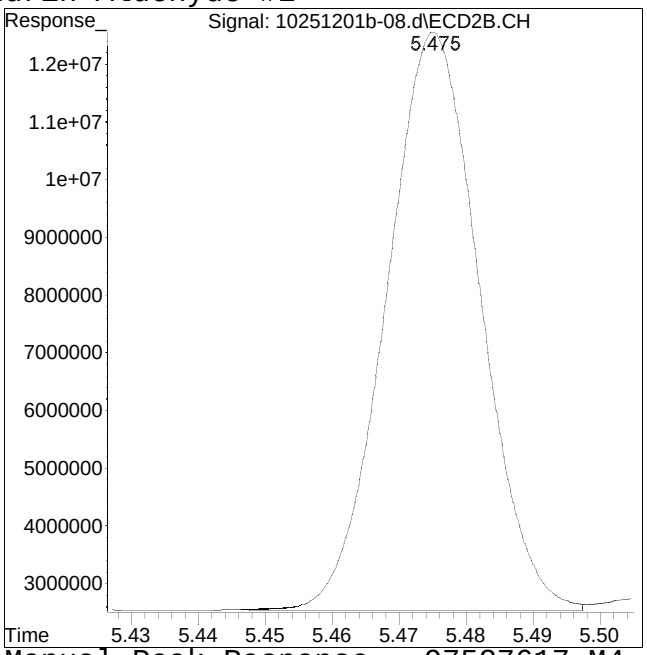
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #60: Endrin Aldehyde #2



Original Peak Response = 97938786



Manual Peak Response = 97527617 M4

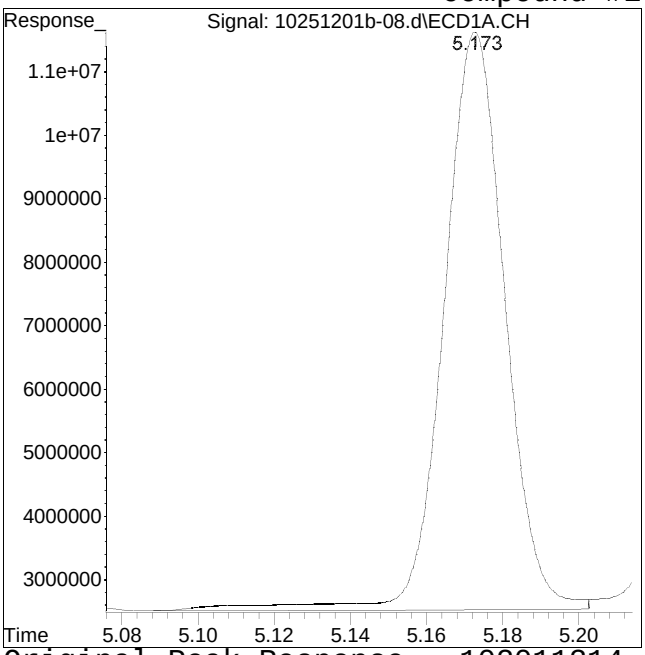
M4 = Poor automated baseline construction.

Manual Integration Report

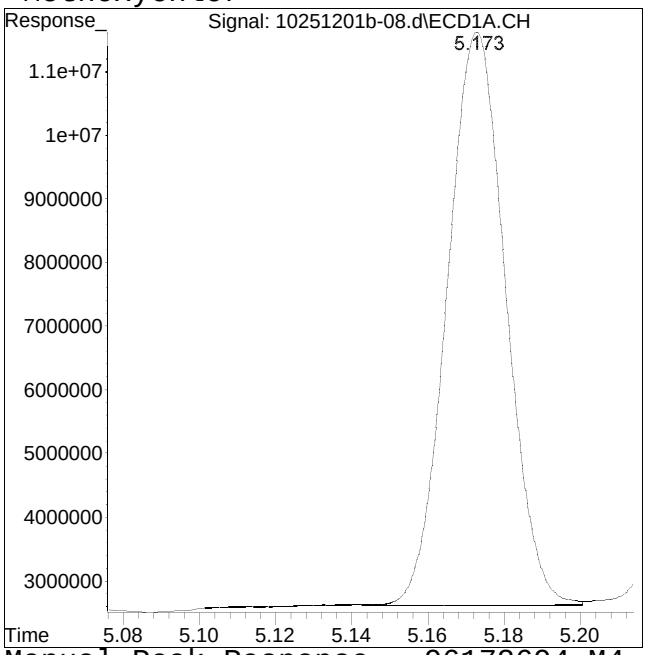
Data Path : I:\PEST\Pest10\2025\251201Q
Data File : 10251201b-08.d
Date Inj'd : 12/1/2025 9:20
Sample : WG2147433-3,42,,

Method : pest10_2025_11_17_ugL_IC
Operator : PEST10:jag
Instrument : Pest 10
Quant Date : 12/1/2025 5:20 pm

Compound #23: Methoxychlor



Original Peak Response = 102011314



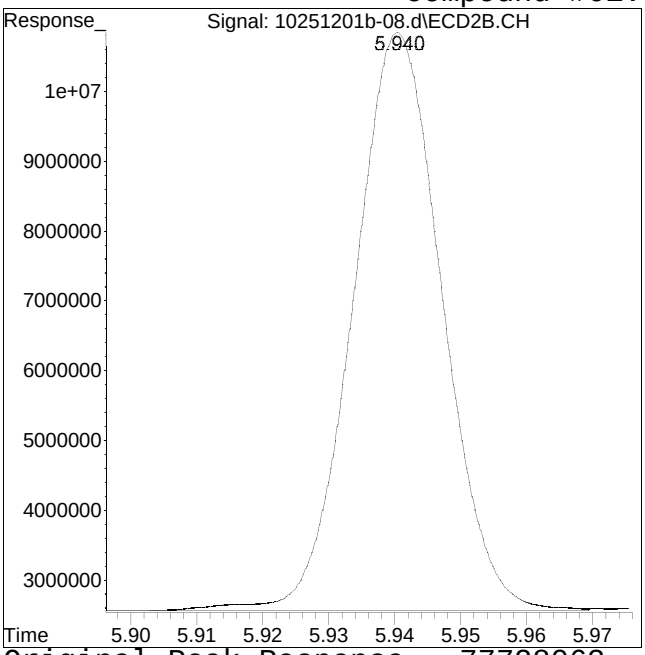
Manual Peak Response = 96172694 M4

M4 = Poor automated baseline construction.

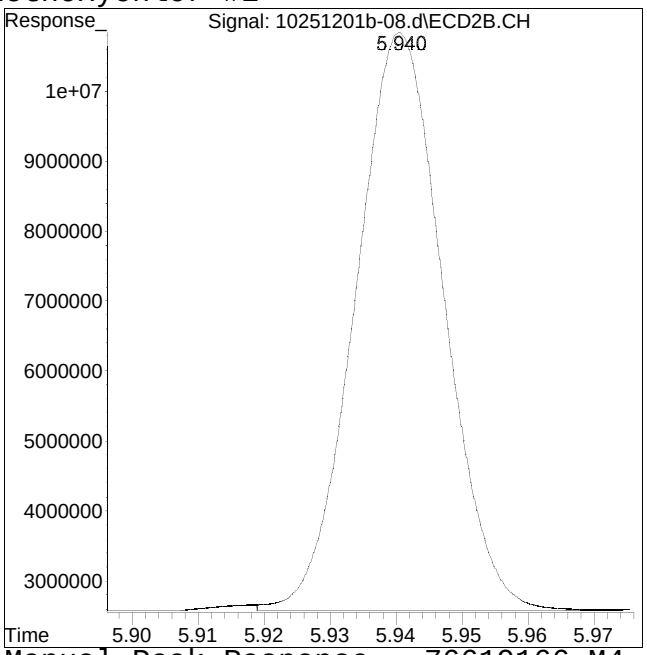
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #61: Methoxychlor #2



Original Peak Response = 77728063



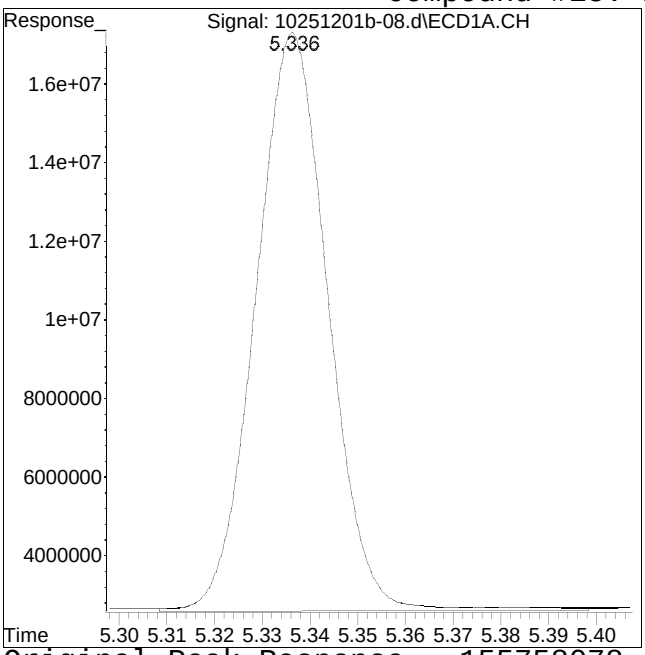
Manual Peak Response = 76619166 M4

M4 = Poor automated baseline construction.

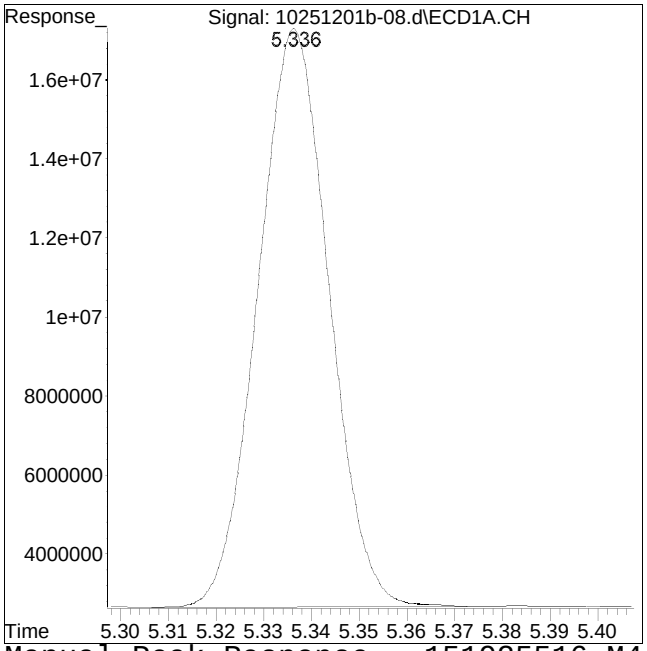
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #25: Endosulfan Sulfate



Original Peak Response = 155758078



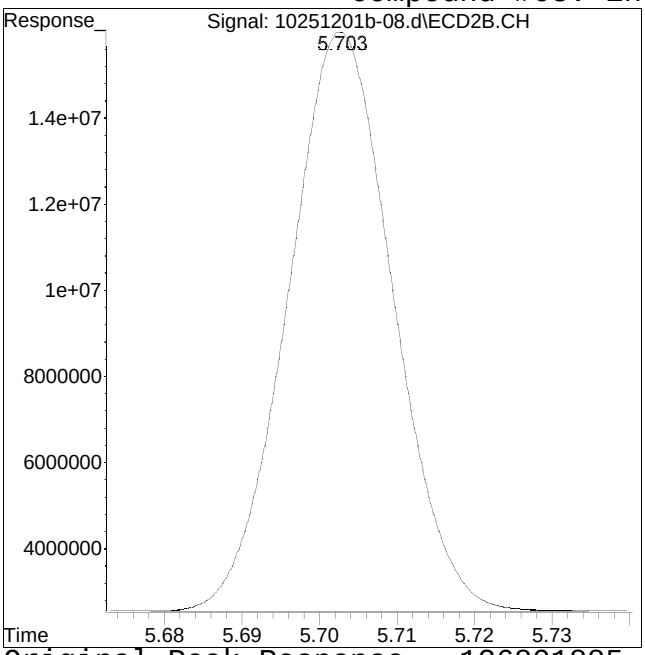
Manual Peak Response = 151925516 M4

M4 = Poor automated baseline construction.

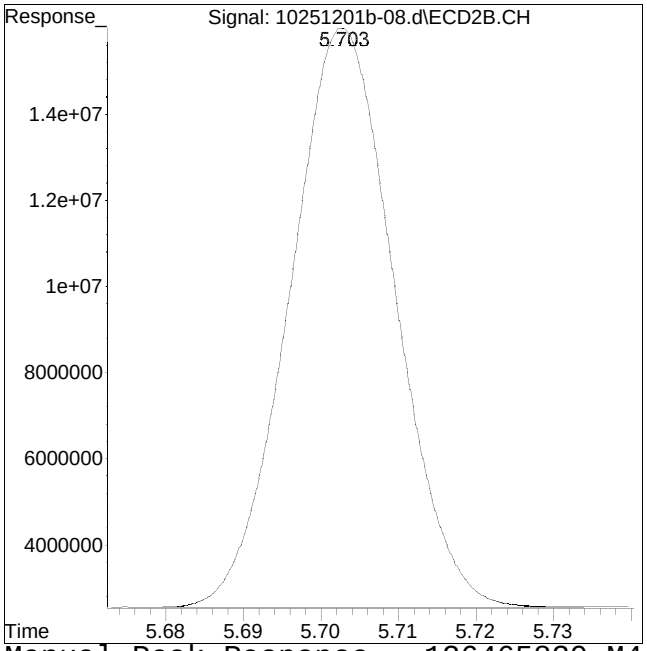
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 126801885



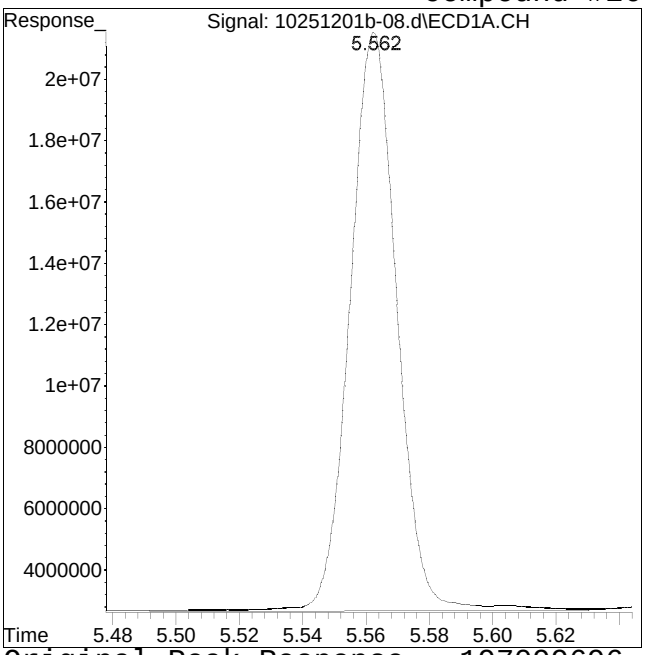
Manual Peak Response = 126465830 M4

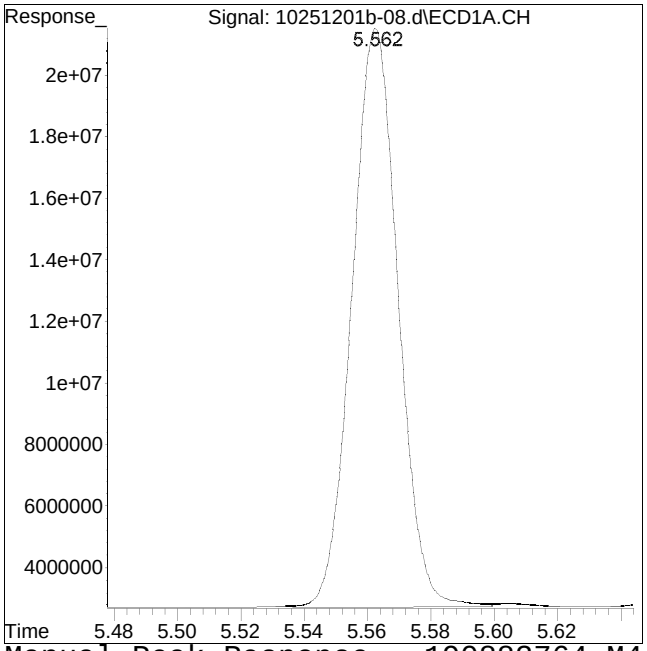
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #26: Endrin Ketone



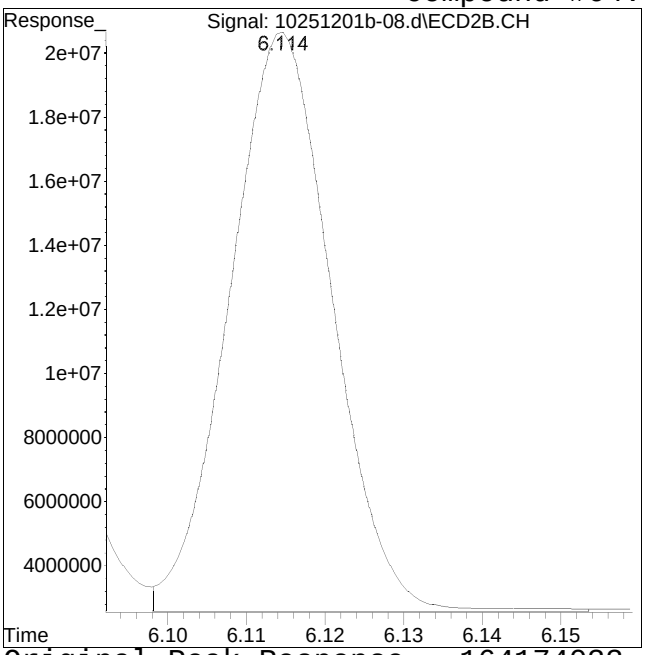


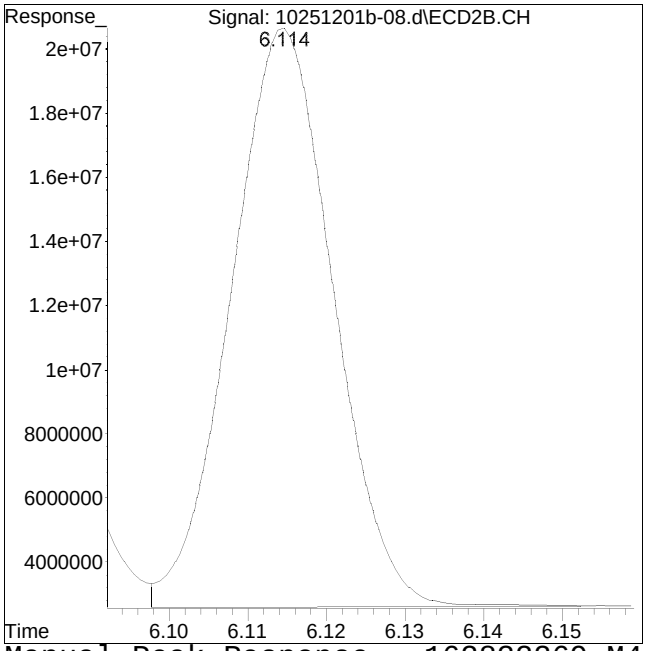
Original Peak Response = 197099696 Manual Peak Response = 190883764 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #64: Endrin Ketone #2



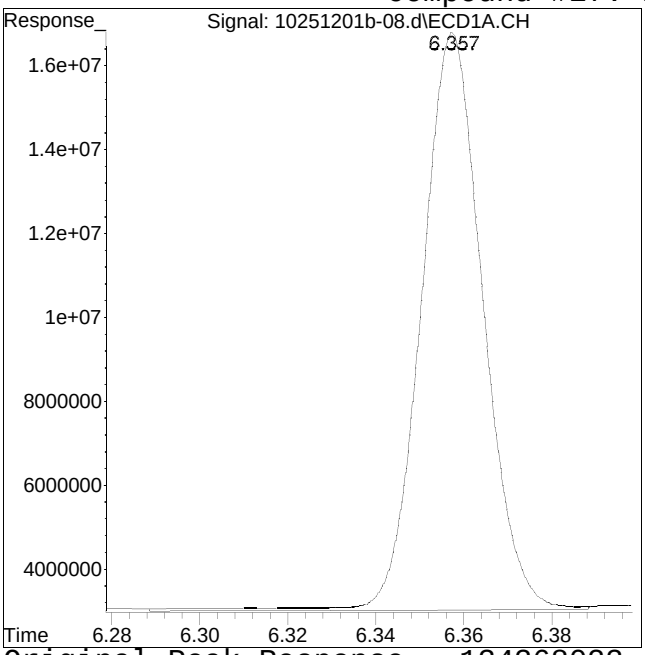


Original Peak Response = 164174033 Manual Peak Response = 162832269 M4
M4 = Poor automated baseline construction.

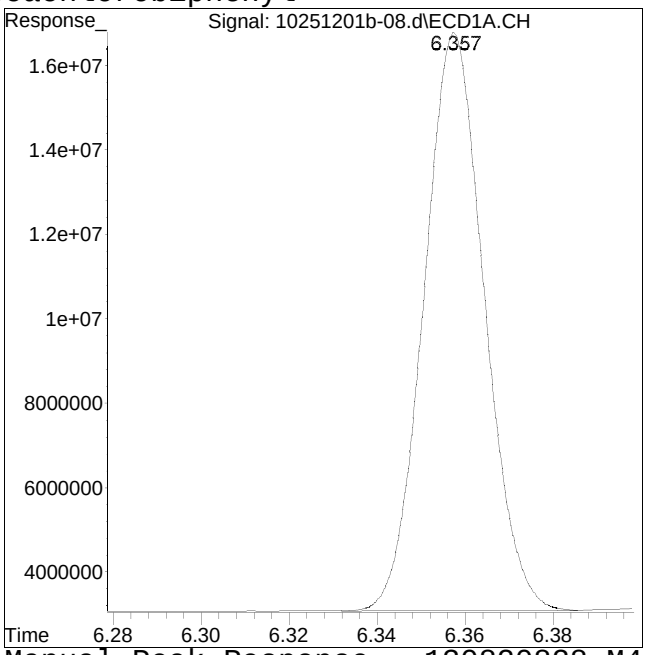
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #27: Decachlorobiphenyl



Original Peak Response = 134368023



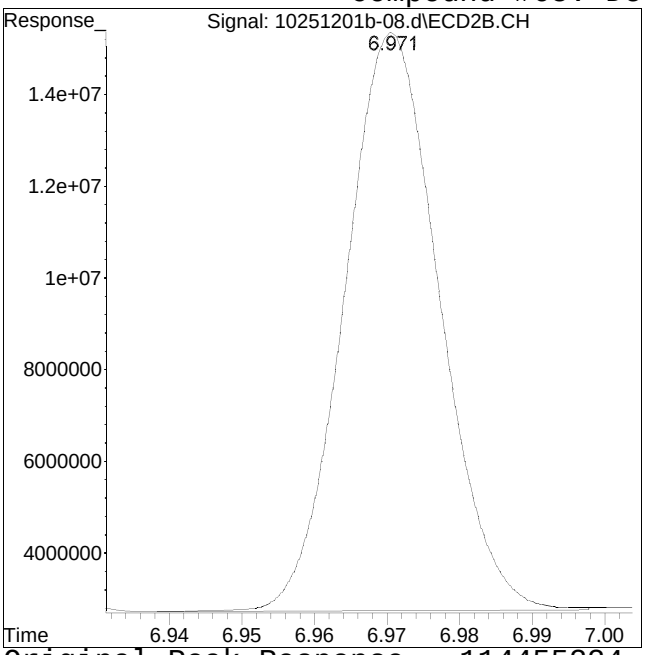
Manual Peak Response = 130820828 M4

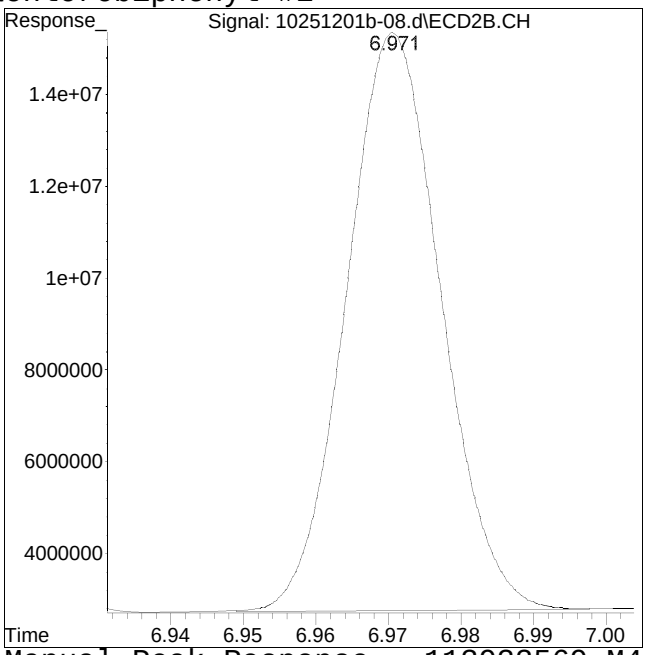
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\251201QMethod : pest10_2025_11_17_ugL_IC
Data File : 10251201b-08.d Operator : PEST10:jag
Date Inj'd : 12/1/2025 9:20 Instrument : Pest 10
Sample : WG2147433-3,42,, Quant Date : 12/1/2025 5:20 pm

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 114455224 Manual Peak Response = 113933569 M4
M4 = Poor automated baseline construction.

Calculation of PCB Aroclors & Pesticides

Aqueous Concentration Formula:
Amt * DF*(Vt/Vp)*(1000/Vo)*(Ve/1000)

Where:
DF = Dilution Factor
Vt = Extract Final Volume (mL)
Vp = Aliquot Cleaned (mL)
Vo = Volume of Sample (mL)
Ve = Extraction Lab Final Volume (mL)

Soil Concentration Formula:
Amt * DF * (Vt/Vp)*(1000/Wt)*(Ve/1000)* (100/TS)

Where:
DF = Dilution Factor
Vt = Extract Final Volume (mL)
Vp = Aliquot Cleaned (mL)
Wt = Weight of Sample (g)
Ve = Extraction Lab Final Volume (mL)
TS = Total Solids

Dep.: PEST
Inst: PEST_10
Date: **11/17/25**
Run: ical

Method
GC: pest

Seq: WG2144356
IS: pp12273

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	10251117i-01	blank,42e,,pp 12273 -				
2	10251117i-02	pem-01,42e,,pp 12284 -				AKM 11/20
3	10251117i-03	il1pest,42e,,pp 12300 L0.0002	rr			
4	10251117i-04	il2pest,42e,,pp 12300 L0.0005	rr			
5	10251117i-05	il3pest,42e,,pp 12300 L0.001	rr			
6	10251117i-06	il4pest,42e,,pp 12300 L0.002	rr			
7	10251117i-07	il5pest,42e,,pp 12300 L0.003	rr			
8	10251117i-08	il6pest,42e,,pp 12300 L0.004	rr			
9	10251117i-09	il7pest,42e,,pp 12300 L0.01	rr			
10	10251117i-10	il8pest,42e,,pp 12300 L0.05	rr			
11	10251117i-11	il9pest,42e,,pp 12300 L0.1	rr			
12	10251117i-12	il10pest,42e,,pp 12300 L0.2	rr			
13	10251117i-13	il11pest,42e,,pp 12300 L0.4	rr			
14	10251117i-14	cicvpest,42e,,pp 12304 L0.05ICV	rr			
15	10251117i-15	il2chlor,42e,,pp 12301 L0.01				AKM 11/20
16	10251117i-16	il3chlor,42e,,pp 12301 L0.02				AKM 11/20
17	10251117i-17	il4chlor,42e,,pp 12301 L0.05				AKM 11/20
18	10251117i-18	il5chlor,42e,,pp 12301 L0.1				AKM 11/20
19	10251117i-19	il7chlor,42e,,pp 12301 L0.5				AKM 11/20
20	10251117i-20	il8chlor,42e,,pp 12301 L1.0				AKM 11/20
21	10251117i-21	il9chlor,42e,,pp 12301 L2.0				AKM 11/20
22	10251117i-22	il10chlor,42e,,pp 12301 L5.0				AKM 11/20
23	10251117i-23	cicvchlor,42e,,pp 12251 L1.0ICV				AKM 11/20
24	10251117i-24	il3tox,42e,,pp 12302 L0.02				AKM 11/20
25	10251117i-25	il4tox,42e,,pp 12302 L0.1				AKM 11/20
26	10251117i-26	il7tox,42e,,pp 12302 L1.0				AKM 11/20
27	10251117i-27	il8tox,42e,,pp 12302 L2.0				AKM 11/20
28	10251117i-28	il9tox,42e,,pp 12302 L5.0				AKM 11/20
29	10251117i-29	cicvtox,42e,,pp 12296 L2.0ICV			akm	AKM 11/20
30	10251117i-30	blank,42e,,pp 12273 -				
31	10251117i-31	pem-02,42e,,pp 12284 -				AKM 11/20
32	10251117i-32	il1pest,42e,,pp 12310 L0.0002				AKM 11/20
33	10251117i-33	il2pest,42e,,pp 12310 L0.0005				AKM 11/20
34	10251117i-34	il3pest,42e,,pp 12310 L0.001				AKM 11/20
35	10251117i-35	il4pest,42e,,pp 12310 L0.002				AKM 11/20
36	10251117i-36	il5pest,42e,,pp 12310 L0.003				AKM 11/20
37	10251117i-37	il6pest,42e,,pp 12310 L0.004				AKM 11/20
38	10251117i-38	il7pest,42e,,pp 12310 L0.01				AKM 11/20
39	10251117i-39	il8pest,42e,,pp 12310 L0.05				AKM 11/20
40	10251117i-40	il9pest,42e,,pp 12310 L0.1				AKM 11/20
41	10251117i-41	il10pest,42e,,pp 12310 L0.2				AKM 11/20
42	10251117i-42	il11pest,42e,,pp 12310 L0.4				AKM 11/20
43	10251117i-43	cicvpest,42e,,pp 12308 L0.05ICV			akm	AKM 11/20

Dep.: PEST
Inst: PEST_10
Date: **12/01/25**
Run: b

Method
GC: pest

Seq: WG2147890
IS: pp12273

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	10251201b-01	blank				
2	10251201b-02	deg12284	8:14			akm 12/1
3	10251201b-03	pest12308	a: hexa, ala low			akm 12/1
4	10251201b-04	chlor12251	a/b is high			akm 12/1
5	10251201b-05	tox12296	15%			jag 12/1
6	10251201b-06	WG2147433-1,42,,		jag		jag 12/1
7	10251201b-07	WG2147433-2,42,,				jag 12/1
8	10251201b-08	WG2147433-3,42,,				jag 12/1
9	10251201b-09	L2575778-05,42,,,R1B				jag 12/1
10	10251201b-10	L2575320-01,42,,				
11	10251201b-11	L2575320-02,42,,				
12	10251201b-12	L2575320-03,42,,				
13	10251201b-13	L2575320-04,42,,				
14	10251201b-14	L2575500-01,42,,				
15	10251201b-15	L2575500-02,42,,				
16	10251201b-16	L2575500-03,42,,				
17	10251201b-17	L2575500-04,42,,				
18	10251201b-18	L2575500-05,42,,				
19	10251201b-19	L2575576-08,42,,				EJL 12/8
20	10251201b-20	L2575577-04,42,,				
21	10251201b-21	L2575577-07,42,,				
22	10251201b-22	L2575577-09,42,,			akm	
23	10251201b-23	WG2147301-1,42,,				
24	10251201b-24	WG2147301-2,42,,				
25	10251201b-25	WG2147301-3,42,,				
26	10251201b-26	L2575428-01,42,,				
27	10251201b-27	L2575428-02,42,,				
28	10251201b-28	L2575428-03,42,,				
29	10251201b-29	L2575428-04,42,,				
30	10251201b-30	L2575428-05,42,,				
31	10251201b-31	L2575428-06,42,,				
32	10251201b-32	pest12308	is high		akm	jag 12/1

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Dec 08 2025, 01:21 pm

Work Group: WG2147433 for Department: 2 Organic Preparation

Created: 29-NOV-25 Due: Operator: ZCH

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2575320-01	MW-09-251125	S	NYTCL-8081-RVT	WATER	DONE	U	1202	1211	S0	Amber-A.1
L2575320-02	MW-11-251125	S	NYTCL-8081-RVT	WATER	DONE	U	1202	1211	S0	Amber-A.1
L2575320-03	MW-10-251125	S	NYTCL-8081-RVT	WATER	DONE	U	1202	1211	S0	Amber-A.1
L2575320-04	MW-08-251125	S	NYTCL-8081-RVT	WATER	DONE	U	1202	1211	S0	Amber-A.1
L2575500-01	AT5596GW168	S	NYTCL-8081-RVT	WATER	DONE	U	1202	1211	S0	Amber-A.1
L2575500-02	AT5596GW169	S	NYTCL-8081-RVT	WATER	DONE	U	1202	1211	S0	Amber-A.1
L2575500-03	AT5596GW170	S	NYTCL-8081-RVT	WATER	DONE	U	1202	1211	S0	Amber-A.1
L2575500-04	AT5596GW171	S	NYTCL-8081-RVT	WATER	DONE	U	1202	1211	S0	Amber-A.1
L2575500-05	AT5596GW172	S	NYTCL-8081-RVT	WATER	DONE	U	1202	1211	S0	Amber-A.1
L2575576-08	WC-112525	S	NYTCL-8081-RVT	WATER	DONE	U	1202	1208	S0	Amber-A.1
L2575577-04	FD01_251124	S	NYTCL-8081-RVT	WATER	DONE	U	1202	1211	S0	Amber-A.1
L2575577-07	MW-09D_251124	S	NYTCL-8081-RVT	WATER	DONE	U	1202	1211	S0	Amber-A.1
L2575577-09	MW-11D_251124	S	NYTCL-8081-RVT	WATER	DONE	U	1202	1211	S0	Amber-A.1
L2575778-05	FIELD BLANK	S	NYTCL-8081-RVT	WATER	DONE	U	1202	1202	1B	Amber-A.1
WG2147433-1	Laboratory Method Bl	S	NYTCL-8081-RVT	WATER	DONE	U				
WG2147433-2	Laboratory Control S	S	NYTCL-8081-RVT	WATER	DONE	U				
WG2147433-3	LCS Duplicate	S	NYTCL-8081-RVT	WATER	DONE	U				

Comments:

WG2147433-3 WG2147433-2

ORGANIC ELN REPORT

Workgroup: WG2147433

Prep Method: EPA 3510C
Solvent Type: DCM
Surrogate Type: Pesticide/PCB
Spike Type: Pesticide
Spike Verify by: ZCH
Lims Spikelot: PEST-RVT

Lot #: EL173
Lot #: PP12282ah,04/30/2026,5r,13,5
Lot #: PP12185ad,02/01/2026,7r,18,5

Additional Reagents/Stds

Na2SO4	253751

Conc.Method: S-EVAP/N-EVAP
Solvent Type: Hexane
Lot #: 250700

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type:
Lot #:

Additional Reagents/Stds

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2575320-01 SAMP	11/29/25 23:36	Amanda Patterson	100	>5, <9	.1		11/30/25 11:37	Zane Molins	1	E/A/#6
L2575320-02 SAMP	11/29/25 23:36	Amanda Patterson	100	>5, <9	.1		11/30/25 11:37	Zane Molins	1	E/A/#6
L2575320-03 SAMP	11/29/25 23:36	Amanda Patterson	100	>5, <9	.1		11/30/25 11:37	Zane Molins	1	E/A/#6
L2575320-04 SAMP	11/29/25 23:36	Amanda Patterson	100	>5, <9	.1		11/30/25 11:37	Zane Molins	1	E/A/#6
L2575500-01 WATER	11/29/25 23:36	Amanda Patterson	100	>5, <9	.1		11/30/25 11:37	Zane Molins	1	E/A/#6
L2575500-02 WATER	11/29/25 23:36	Amanda Patterson	100	>5, <9	.1		11/30/25 11:37	Zane Molins	1	E/A/#6
L2575500-03 WATER	11/29/25 23:36	Amanda Patterson	100	>5, <9	.1		11/30/25 11:37	Zane Molins	1	E/A/#6

Reported: 08-DEC-25 01:21 PM

ORGANIC ELN REPORT

Workgroup: WG2147433

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2575500-04 WATER	11/29/25 23:36	Amanda Patterson	100	>5, <9	.1		11/30/25 11:37	Zane Molins	1	E/A/#6
L2575500-05 WATER	11/29/25 23:36	Amanda Patterson	100	>5, <9	.1		11/30/25 11:37	Zane Molins	1	E/A/#6
L2575576-08 SAMP	11/29/25 14:32	Zachary Helin	100	>5, <9	.1		11/29/25 19:55	Victor Kono	1	E/A/#6
L2575577-04 SAMP	11/29/25 23:36	Amanda Patterson	100	>5, <9	.1		11/30/25 11:37	Zane Molins	1	E/A/#6
L2575577-07 SAMP	11/29/25 23:36	Amanda Patterson	100	>5, <9	.1		11/30/25 11:37	Zane Molins	1	E/A/#6
L2575577-09 SAMP	11/29/25 23:36	Amanda Patterson	100	>5, <9	.1		11/30/25 11:37	Zane Molins	1	E/A/#6
L2575778-05 WATER	11/29/25 14:32	Zachary Helin	100	>5, <9	.1		11/29/25 19:55	Victor Kono	1	E/A/#6
WG2147433-1 BLANK	11/29/25 14:32 **WG2147434**	Zachary Helin	100	>5, <9	.1		11/29/25 19:55	Victor Kono	1	E/A/#6
WG2147433-2 LCS	11/29/25 14:32	Zachary Helin	100	>5, <9	.1	.1	11/29/25 19:55	Victor Kono	1	E/A/#6
WG2147433-3 LCSD	11/29/25 14:32	Zachary Helin	100	>5, <9	.1	.1	11/29/25 19:55	Victor Kono	1	E/A/#6

Reported: 08-DEC-25 01:21 PM

Metals

Inorganic Data
(ICPMS Analysis)

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: WG2148481-1	Date Collected	: NA
Client ID	: WG2148481-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/04/25 20:34
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: TAA
Lab File ID	: WG2149687.pdf	Instrument ID	: ICPMSRQ
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 12/02/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	ND	0.0100	0.00327	U
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Total	ND	0.00050	0.00016	U
7440-39-3	Barium, Total	ND	0.00050	0.00017	U
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	ND	0.100	0.0394	U
7440-47-3	Chromium, Total	ND	0.00100	0.00017	U
7440-48-4	Cobalt, Total	ND	0.00050	0.00016	U
7440-50-8	Copper, Total	ND	0.00100	0.00038	U
7439-89-6	Iron, Total	ND	0.0500	0.0191	U
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	ND	0.0700	0.0242	U
7439-96-5	Manganese, Total	ND	0.00100	0.00044	U
7440-02-0	Nickel, Total	ND	0.00200	0.00055	U
7440-09-7	Potassium, Total	ND	0.100	0.0309	U
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	ND	0.500	0.0293	U
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: WG2148481-6	Date Collected	:
Client ID	: Serial Dilution	Date Received	:
Sample Location	:	Date Analyzed	: 12/04/25 20:43
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,6020B	Analyst	: TAA
Lab File ID	: WG2149687.pdf	Instrument ID	: ICPMSRQ
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 12/02/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7440-39-3	Barium, Total	0.1128	0.00250	0.0009	
7440-70-2	Calcium, Total	44.8	0.500	0.197	
7439-95-4	Magnesium, Total	15.2	0.350	0.121	
7439-96-5	Manganese, Total	4.045	0.00500	0.0022	
7440-09-7	Potassium, Total	57.4	0.500	0.154	
7440-23-5	Sodium, Total	50.0	2.50	0.146	

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-08	Date Collected	: 11/25/25 12:00
Client ID	: WC-112525	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/08/25 18:04
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: TAA
Lab File ID	: WG2150937.pdf	Instrument ID	: ICPMSX2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 12/02/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	0.0199	0.0100	0.00327	
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Total	0.00269	0.00050	0.00016	
7440-39-3	Barium, Total	0.7665	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	158.	0.100	0.0394	
7440-47-3	Chromium, Total	ND	0.00100	0.00017	U
7440-48-4	Cobalt, Total	0.00031	0.00050	0.00016	J
7440-50-8	Copper, Total	0.00070	0.00100	0.00038	J
7439-89-6	Iron, Total	10.1	0.0500	0.0191	
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	43.8	0.0700	0.0242	
7439-96-5	Manganese, Total	0.9808	0.00100	0.00044	
7440-02-0	Nickel, Total	0.00137	0.00200	0.00055	J
7440-09-7	Potassium, Total	6.35	0.100	0.0309	
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	0.00435	0.01000	0.00341	J

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575576-08	**Date Collected**	: 11/25/25 12:00
Client ID	: WC-112525	**Date Received**	: 11/25/25
Sample Location	: FAIRPORT, NY	**Date Analyzed**	: 12/08/25 18:36
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 1,6020B	**Analyst**	: TAA
Lab File ID	: WG2150937.pdf	**Instrument ID**	: ICPMSX2
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 12/02/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-23-5	Sodium, Total	431.	5.00	0.293	

Form 2A
Initial and Continuing Calibration Verification

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: ICPMSRQ	**Units**	: ug/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R2043875-1			R2043875-4			R2043875-6		R2043875-8	
Date Analyzed :	12/04/25 14:59			12/04/25 15:29			12/04/25 16:06		12/04/25 17:07	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum	50.0	47.8000	96	60.0000	63.0	105	58.9	98	59.5	99
Antimony	50.0	48.5000	97	60.0000	51.7	86	54.1	90	54.9	92
Arsenic	50.0	49.7000	99	60.0000	58.2	97	55.1	92	58.3	97
Barium	50.0	49.1000	98	60.0000	57.9	96	57.9	96	58.3	97
Beryllium	50.0	49.8000	100	60.0000	60.4	101	57.2	95	57.6	96
Cadmium	50.0	49.2000	98	60.0000	56.8	95	56.4	94	57.3	96
Calcium	5000	5140.0000	103	6000.0000	6080	101	5720	95	5660	94
Chromium	50.0	50.5000	101	60.0000	57.4	96	54.6	91	55.4	92
Cobalt	50.0	49.2000	98	60.0000	57.2	95	54.6	91	58.0	97
Copper	50.0	49.3000	99	60.0000	55.8	93	55.2	92	56.0	93
Iron	5000	5050.0000	101	6000.0000	5680	95	5510	92	5590	93
Lead	50.0	50.2000	100	60.0000	57.7	96	55.9	93	57.4	96
Magnesium	5000	5030.0000	101	6000.0000	5900	98	5830	97	5930	99
Manganese	50.0	49.0000	98	60.0000	57.9	96	55.2	92	58.1	97
Nickel	50.0	51.4000	103	60.0000	60.4	101	58.0	97	58.8	98
Potassium	5000	5000.0000	100	6000.0000	5780	96	5640	94	6050	101
Selenium	50.0	48.6000	97	60.0000	59.3	99	56.6	94	59.8	100
Silver	50.0	49.4000	99	60.0000	56.3	94	56.8	95	56.4	94
Sodium	5000	5030.0000	101	6000.0000	6000	100	5680	95	5760	96
Thallium	50.0	50.0000	100	60.0000	57.5	96	55.9	93	57.7	96
Vanadium	50.0	51.4000	103	60.0000	58.0	97	55.4	92	58.0	97
Zinc	50.0	48.5000	97	60.0000	55.7	93	55.4	92	56.6	94

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: ICPMSRQ	**Units**	: ug/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R2043875-11			R2043875-13		R2043875-15	
Date Analyzed :				12/04/25 18:07			12/04/25 19:05		12/04/25 20:04	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				60.0000	62.0	103	59.2	99	59.0	98
Antimony				60.0000	53.7	90	55.0	92	53.8	90
Arsenic				60.0000	57.8	96	58.2	97	57.6	96
Barium				60.0000	58.0	97	59.0	98	60.1	100
Beryllium				60.0000	59.3	99	59.2	99	58.0	97
Cadmium				60.0000	56.6	94	56.7	94	57.0	95
Calcium				6000.0000	5870	98	5910	98	6100	102
Chromium				60.0000	54.4	91	54.9	92	54.0	90
Cobalt				60.0000	55.5	92	56.8	95	55.0	92
Copper				60.0000	55.3	92	56.5	94	55.0	92
Iron				6000.0000	5720	95	5840	97	5780	96
Lead				60.0000	56.9	95	56.8	95	57.7	96
Magnesium				6000.0000	5870	98	5980	100	6140	102
Manganese				60.0000	56.9	95	58.4	97	58.1	97
Nickel				60.0000	63.4	106	62.9	105	61.4	102
Potassium				6000.0000	5810	97	6030	100	6000	100
Selenium				60.0000	59.8	100	61.0	102	58.7	98
Silver				60.0000	56.3	94	56.2	94	57.8	96
Sodium				6000.0000	5950	99	5940	99	5990	100
Thallium				60.0000	56.1	94	55.4	92	57.3	96
Vanadium				60.0000	55.4	92	55.3	92	56.2	94
Zinc				60.0000	55.1	92	55.8	93	55.9	93

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: ICPMSRQ	**Units**	: ug/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R2043875-17						
Date Analyzed :				12/04/25 20:53						
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				60.0000	57.8	96				
Antimony				60.0000	54.7	91				
Arsenic				60.0000	57.7	96				
Barium				60.0000	59.6	99				
Beryllium				60.0000	58.0	97				
Cadmium				60.0000	57.4	96				
Calcium				6000.0000	6140	102				
Chromium				60.0000	56.2	94				
Cobalt				60.0000	57.5	96				
Copper				60.0000	58.4	97				
Iron				6000.0000	5930	99				
Lead				60.0000	57.9	96				
Magnesium				6000.0000	6110	102				
Manganese				60.0000	58.5	98				
Nickel				60.0000	65.0	108				
Potassium				6000.0000	6190	103				
Selenium				60.0000	59.0	98				
Silver				60.0000	56.6	94				
Sodium				6000.0000	6030	100				
Thallium				60.0000	57.7	96				
Vanadium				60.0000	56.8	95				
Zinc				60.0000	56.3	94				

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: ICPMSX2	**Units**	: ug/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R2045101-1			R2045101-4			R2045101-6		R2045101-9	
Date Analyzed :	12/08/25 14:47			12/08/25 15:28			12/08/25 16:34		12/08/25 18:10	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum	50.0	48.9000	98	60.0000	64.6	108	61.2	102	61.5	102
Antimony	50.0	50.2000	100	60.0000	59.9	100	60.5	101	61.9	103
Arsenic	50.0	51.2000	102	60.0000	62.6	104	61.4	102	61.6	103
Barium	50.0	52.1000	104	60.0000	63.6	106	64.7	108	63.0	105
Beryllium	50.0	48.7000	97	60.0000	60.6	101	61.5	102	62.9	105
Cadmium	50.0	50.2000	100	60.0000	61.4	102	61.7	103	62.0	103
Calcium	5000	5030.0000	101	6000.0000	5960	99	5790	96	5760	96
Chromium	50.0	50.6000	101	60.0000	61.8	103	62.4	104	61.8	103
Cobalt	50.0	50.2000	100	60.0000	61.8	103	62.2	104	61.6	103
Copper	50.0	51.0000	102	60.0000	62.8	105	62.7	104	61.3	102
Iron	5000	5140.0000	103	6000.0000	6200	103	6220	104	6150	102
Lead	50.0	51.3000	103	60.0000	61.7	103	65.9	110	60.8	101
Magnesium	5000	5090.0000	102	6000.0000	6250	104	6270	104	6360	106
Manganese	50.0	49.9000	100	60.0000	61.1	102	62.0	103	61.2	102
Nickel	50.0	50.7000	101	60.0000	62.2	104	62.2	104	61.6	103
Potassium	5000	5050.0000	101	6000.0000	6000	100	5920	99	5880	98
Selenium	50.0	50.1000	100	60.0000	61.2	102	59.7	100	60.1	100
Silver	50.0	50.0000	100	60.0000	62.2	104	61.7	103	62.0	103
Sodium	5000	5050.0000	101	6000.0000	6140	102	6030	100	6140	102
Thallium	50.0	52.5000	105	60.0000	61.7	103	66.1	110	61.9	103
Vanadium	50.0	50.8000	102	60.0000	61.4	102	62.6	104	61.7	103
Zinc	50.0	50.2000	100	60.0000	60.7	101	60.3	100	59.9	100

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: ICPMSX2	**Units**	: ug/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R2045101-11						
Date Analyzed :				12/08/25 19:24						
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				60.0000	62.1	104				
Antimony				60.0000	60.7	101				
Arsenic				60.0000	61.2	102				
Barium				60.0000	62.8	105				
Beryllium				60.0000	62.7	104				
Cadmium				60.0000	61.0	102				
Calcium				6000.0000	5830	97				
Chromium				60.0000	60.9	102				
Cobalt				60.0000	60.6	101				
Copper				60.0000	60.8	101				
Iron				6000.0000	6130	102				
Lead				60.0000	60.8	101				
Magnesium				6000.0000	6280	105				
Manganese				60.0000	60.8	101				
Nickel				60.0000	60.9	102				
Potassium				6000.0000	5990	100				
Selenium				60.0000	60.4	101				
Silver				60.0000	61.0	102				
Sodium				6000.0000	6060	101				
Thallium				60.0000	61.8	103				
Vanadium				60.0000	61.5	102				
Zinc				60.0000	58.8	98				

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)

Form 3
Blanks

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: ICPMSRQ		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :	R2043875-2		R2043875-5		R2043875-7		R2043875-9		WG2148481-1	
Date Analyzed :	12/04/25 15:04		12/04/25 15:33		12/04/25 16:13		12/04/25 17:12		12/04/25 20:34	
Parameter	**ug/l**	**Q**	**ug/l**	**Q**	**ug/l**	**Q**	**ug/l**	**Q**	**mg/l**	**Q**
Aluminum	3.27	U	3.27	U	3.27	U	3.27	U	0.00327	U
Antimony	0.429	U	0.429	U	0.429	U	0.429	U	0.00042	U
Arsenic	0.165	U	0.165	U	0.165	U	0.165	U	0.00016	U
Barium	0.173	U	0.173	U	0.173	U	0.173	U	0.00017	U
Beryllium	0.107	U	0.107	U	0.107	U	0.107	U	0.00010	U
Cadmium	0.0599	U	0.0599	U	0.0599	U	0.0599	U	0.00005	U
Calcium	39.4	U	39.4	U	39.4	U	39.4	U	0.0394	U
Chromium	0.178	U	0.178	U	0.178	U	0.178	U	0.00017	U
Cobalt	0.163	U	0.163	U	0.163	U	0.163	U	0.00016	U
Copper	0.384	U	0.384	U	0.384	U	0.384	U	0.00038	U
Iron	19.1	U	19.1	U	19.1	U	19.1	U	0.0191	U
Lead	0.343	U	0.343	U	0.343	U	0.343	U	0.00034	U
Magnesium	24.2	U	24.2	U	24.2	U	24.2	U	0.0242	U
Manganese	0.440	U	0.440	U	0.440	U	0.484	J	0.00044	U
Nickel	0.556	U	0.556	U	0.556	U	0.556	U	0.00055	U
Potassium	30.9	U	30.9	U	30.9	U	30.9	U	0.0309	U
Selenium	1.73	U	1.73	U	1.73	U	1.73	U	0.00173	U
Silver	0.163	U	0.163	U	0.163	U	0.163	U	0.00016	U
Sodium	29.3	U	29.3	U	29.3	U	29.3	U	0.0293	U
Thallium	0.270	J	0.143	U	0.143	U	0.173	J	0.00014	U
Vanadium	1.57	U	1.57	U	1.57	U	1.57	U	0.00157	U
Zinc	3.41	U	3.41	U	3.41	U	3.41	U	0.00341	U

Form 3
Blanks

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: ICPMSRQ		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R2043875-12		R2043875-14		R2043875-16			
Date Analyzed :			12/04/25 18:11		12/04/25 19:10		12/04/25 20:08			
Parameter	ug/l	Q	ug/l	Q	ug/l	Q	ug/l	Q		Q
Aluminum			3.27	U	3.27	U	3.27	U		
Antimony			0.429	U	0.429	U	0.429	U		
Arsenic			0.165	U	0.165	U	0.165	U		
Barium			0.173	U	0.173	U	0.173	U		
Beryllium			0.107	U	0.107	U	0.107	U		
Cadmium			0.0599	U	0.0599	U	0.0599	U		
Calcium			39.4	U	39.4	U	39.4	U		
Chromium			0.178	U	0.178	U	0.178	U		
Cobalt			0.163	U	0.163	U	0.163	U		
Copper			0.384	U	0.384	U	0.384	U		
Iron			19.1	U	19.1	U	19.1	U		
Lead			0.343	U	0.343	U	0.343	U		
Magnesium			24.2	U	24.2	U	24.2	U		
Manganese			0.566	J	0.498	J	0.540	J		
Nickel			0.556	U	0.556	U	0.556	U		
Potassium			30.9	U	30.9	U	30.9	U		
Selenium			1.73	U	1.73	U	1.73	U		
Silver			0.163	U	0.163	U	0.163	U		
Sodium			29.3	U	29.3	U	29.3	U		
Thallium			0.176	J	0.181	J	0.236	J		
Vanadium			1.57	U	1.57	U	1.57	U		
Zinc			3.41	U	3.41	U	3.41	U		

Form 3
Blanks

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: ICPMSRQ		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R2043875-18							
Date Analyzed :			12/04/25 20:58							
Parameter	ug/l	Q	ug/l	Q	ug/l	Q	ug/l	Q		Q
Aluminum			3.27	U						
Antimony			0.429	U						
Arsenic			0.165	U						
Barium			0.173	U						
Beryllium			0.107	U						
Cadmium			0.0599	U						
Calcium			39.4	U						
Chromium			0.178	U						
Cobalt			0.163	U						
Copper			0.384	U						
Iron			19.1	U						
Lead			0.343	U						
Magnesium			24.2	U						
Manganese			0.528	J						
Nickel			0.556	U						
Potassium			30.9	U						
Selenium			1.73	U						
Silver			0.163	U						
Sodium			29.3	U						
Thallium			0.190	J						
Vanadium			1.57	U						
Zinc			3.41	U						

Form 3
Blanks

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: ICPMSX2		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :	R2045101-2		R2045101-5		R2045101-7		R2045101-10			
Date Analyzed :	12/08/25 14:52		12/08/25 15:33		12/08/25 16:39		12/08/25 18:15			
Parameter	**ug/l**	**Q**	**ug/l**	**Q**	**ug/l**	**Q**	**ug/l**	**Q**		**Q**
Aluminum	3.27	U	3.89	J	3.27	U	3.27	U		
Antimony	0.429	U	0.429	U	0.429	U	0.429	U		
Arsenic	0.165	U	0.488	J	0.165	U	0.165	U		
Barium	0.173	U	0.398	J	0.173	U	0.173	U		
Beryllium	0.107	U	0.107	U	0.107	U	0.107	U		
Cadmium	0.0599	U	0.0599	U	0.0599	U	0.0599	U		
Calcium	39.4	U	39.4	U	39.4	U	39.4	U		
Chromium	0.178	U	0.178	U	0.178	U	0.178	U		
Cobalt	0.163	U	0.163	U	0.163	U	0.163	U		
Copper	0.384	U	0.515	J	0.384	U	0.384	U		
Iron	19.1	U	19.1	U	19.1	U	19.1	U		
Lead	0.343	U	0.532	J	0.343	U	0.343	U		
Magnesium	24.2	U	24.2	U	24.2	U	24.2	U		
Manganese	0.440	U	0.440	U	0.440	U	0.440	U		
Nickel	0.556	U	0.556	U	0.556	U	0.556	U		
Potassium	30.9	U	30.9	U	30.9	U	30.9	U		
Selenium	1.73	U	1.73	U	1.73	U	1.73	U		
Silver	0.163	U	0.163	U	0.163	U	0.163	U		
Sodium	29.3	U	29.3	U	29.3	U	32.4	J		
Thallium	0.143	U	0.143	U	0.143	U	0.143	U		
Vanadium	1.57	U	1.57	U	1.57	U	1.57	U		
Zinc	3.41	U	3.41	U	3.41	U	3.41	U		

Form 3
Blanks

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: ICPMSX2		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R2045101-12							
Date Analyzed :			12/08/25 19:29							
Parameter	ug/l	Q	ug/l	Q	ug/l	Q	ug/l	Q		Q
Aluminum			3.27	U						
Antimony			0.429	U						
Arsenic			0.165	U						
Barium			0.173	U						
Beryllium			0.107	U						
Cadmium			0.0599	U						
Calcium			39.4	U						
Chromium			0.178	U						
Cobalt			0.163	U						
Copper			0.384	U						
Iron			19.1	U						
Lead			0.343	U						
Magnesium			24.2	U						
Manganese			0.440	U						
Nickel			0.556	U						
Potassium			30.9	U						
Selenium			1.73	U						
Silver			0.163	U						
Sodium			29.3	U						
Thallium			0.143	U						
Vanadium			1.57	U						
Zinc			3.41	U						

Form 4a
Interference Check Sample

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Instrument ID	: ICPMSRQ	Concentration Units	: ug/l

	True		Initial Found				Final Found			
Lab ID :			R2043875-3							
Analysis Date :			12/04/25 15:15							
Analyte	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Sol. A	%R	Sol. AB	%R
Aluminum	100000		92100	92						
Antimony			1.32							
Arsenic			0.424							
Barium			0.752							
Beryllium			0.154							
Cadmium			0.670							
Calcium	300000		310000	103						
Chromium			0.958							
Cobalt			2.47							
Copper			0.747							
Iron	250000		235000	94						
Lead			1.12							
Magnesium	100000		92300	92						
Manganese			3.32							
Nickel			5.55							
Potassium	100000		96600	97						
Selenium			0.288							
Silver			0.0331							
Sodium	250000		228000	91						
Thallium			0.0896							
Vanadium			-0.0333							
Zinc			2.52							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%

Form 4a
Interference Check Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: ICPMSX2	**Concentration Units**	: ug/l

		True		Initial Found				Final Found			
Lab ID	:			R2045101-3							
Analysis Date	:			12/08/25 15:11							
Analyte		**Sol. A**	**Sol. AB**	**Sol. A**	**%R**	**Sol. AB**	**%R**	**Sol. A**	**%R**	**Sol. AB**	**%R**
Aluminum		100000		97200	97						
Antimony				1.24							
Arsenic				0.665							
Barium				0.787							
Beryllium				0.109							
Cadmium				0.660							
Calcium		300000		315000	105						
Chromium				1.23							
Cobalt				2.85							
Copper				0.715							
Iron		250000		251000	100						
Lead				1.28							
Magnesium		100000		103000	103						
Manganese				3.61							
Nickel				2.53							
Potassium		100000		108000	108						
Selenium				0.176							
Silver				0.0326							
Sodium		250000		264000	106						
Thallium				0.0149							
Vanadium				-0.122							
Zinc				2.50							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: L2573456-06		
Matrix Spike	: WG2148481-3	MS Analysis Date	: 12/04/25 19:50
Matrix Spike Dup	: WG2148481-4	MSD Analysis Date	: 12/04/25 19:55

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Aluminum, Total	0.153	2	1.99	92	2	2.07	96	4	75-125	20
Antimony, Total	ND	0.5	0.4514	90	0.5	0.4616	92	2	75-125	20
Arsenic, Total	0.00049J	0.12	0.1162	97	0.12	0.1192	99	3	75-125	20
Barium, Total	0.1120	2	1.929	91	2	1.950	92	1	75-125	20
Beryllium, Total	ND	0.05	0.04303	86	0.05	0.04352	87	1	75-125	20
Cadmium, Total	0.00007J	0.053	0.05055	95	0.053	0.05069	96	0	75-125	20
Calcium, Total	48.1	10	55.7	76	10	54.9	68 Q	1	75-125	20
Chromium, Total	0.00398	0.2	0.1779	87	0.2	0.1738	85	2	75-125	20
Cobalt, Total	0.00064	0.5	0.4372	87	0.5	0.4434	88	1	75-125	20
Copper, Total	0.00147	0.25	0.2194	87	0.25	0.2337	93	6	75-125	20
Iron, Total	0.439	1	1.30	86	1	1.35	91	4	75-125	20
Lead, Total	ND	0.53	0.5040	95	0.53	0.5171	98	3	75-125	20
Magnesium, Total	15.7	10	25.5	98	10	24.7	90	3	75-125	20
Manganese, Total	3.522	0.5	4.579	211 Q	0.5	4.478	191 Q	2	75-125	20
Nickel, Total	0.00401	0.5	0.4596	91	0.5	0.4860	96	6	75-125	20
Potassium, Total	52.1	10	67.3	152 Q	10	66.9	148 Q	1	75-125	20
Selenium, Total	ND	0.12	0.118	98	0.12	0.120	100	2	75-125	20
Silver, Total	ND	0.05	0.04329	86	0.05	0.04462	89	3	75-125	20
Sodium, Total	46.4	10	61.2	148 Q	10	58.7	123	4	75-125	20
Thallium, Total	0.00021J	0.12	0.1179	98	0.12	0.1190	99	1	75-125	20
Vanadium, Total	ND	0.5	0.4611	92	0.5	0.4417	88	4	75-125	20
Zinc, Total	ND	0.5	0.4371	87	0.5	0.4392	88	0	75-125	20

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: WG2148481-2	LCS Analysis Date	: 12/04/25 20:39
Dup Sample ID	:	LCSD Analysis Date	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Aluminum, Total	2.00	1.84	92.					80-120	20
Antimony, Total	0.500	0.432	86.					80-120	20
Arsenic, Total	0.120	0.119	99.					80-120	20
Barium, Total	2.00	1.90	95.					80-120	20
Beryllium, Total	0.0500	0.0401	80.					80-120	20
Cadmium, Total	0.0530	0.0518	98.					80-120	20
Calcium, Total	10.0	10.3	103.					80-120	20
Chromium, Total	0.200	0.183	92.					80-120	20
Cobalt, Total	0.500	0.450	90.					80-120	20
Copper, Total	0.250	0.229	92.					80-120	20
Iron, Total	1.00	1.01	101.					80-120	20
Lead, Total	0.530	0.519	98.					80-120	20
Magnesium, Total	10.0	9.66	97.					80-120	20
Manganese, Total	0.500	0.477	95.					80-120	20
Nickel, Total	0.500	0.454	91.					80-120	20
Potassium, Total	10.0	10.8	108.					80-120	20
Selenium, Total	0.120	0.122	102.					80-120	20
Silver, Total	0.0500	0.0451	90.					80-120	20
Sodium, Total	10.0	9.23	92.					80-120	20
Thallium, Total	0.120	0.121	101.					80-120	20
Vanadium, Total	0.500	0.454	91.					80-120	20
Zinc, Total	0.500	0.461	92.					80-120	20

Form 8
Serial Dilutions

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: L2573456-06	**Analysis Date**	: 12/04/25 19:46
Serial Dilution ID	: WG2148481-6	**Analysis Date**	: 12/04/25 20:43

Parameter	Initial Sample Result (mg/l)	Serial Dilution Result (mg/l)	% Difference	%D Limit
Barium, Total	0.1120	0.1128	1	20
Calcium, Total	48.1	44.8	7	20
Magnesium, Total	15.7	15.2	3	20
Manganese, Total	3.522	4.045	15	20
Potassium, Total	52.1	57.4	10	20
Sodium, Total	46.4	50.0	8	20

Form 12
Preparation Log

Client	:	**Roux Env. Eng. & Geology, DPC**	**Lab Number**	:	**L2575576**
Project Name	:	**1000 TURK HILL RD GWS**	**Project Number**	:	**3113.0001Y000**
Matrix	:	**WATER**	**Prep Method**	:	**EPA 3005A**

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
WG2148481-1	12/02/25 12:03	-	50
WG2148481-2	12/02/25 12:03	-	50
WG2148481-3	12/02/25 12:03	-	50
WG2148481-4	12/02/25 12:03	-	50
WG2148481-6	12/02/25 12:03	-	50

Form 12
Preparation Log

Client	:	**Roux Env. Eng. & Geology, DPC**	**Lab Number**	:	**L2575576**
Project Name	:	**1000 TURK HILL RD GWS**	**Project Number**	:	**3113.0001Y000**
Matrix	:	**WATER**	**Prep Method**	:	**EPA 3005A**

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2575576-08	12/02/25 12:03	-	50

Form 13
Analysis Run Log

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: ICPMSRQ	**Analysis Method**	: 1,6020B
Start Date	: 12/04/25 13:17	**End Date**	: 12/04/25 20:58

Sample Number	Dilution Factor	Analysis Time	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total
R2043875-10 TUNE		13:17:00																						
R2043875-1 ICV	1	14:59:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2043875-2 ICB	1	15:04:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2043875-3 ICSA	1	15:15:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2043875-4 CCV	1	15:29:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2043875-5 CCB	1	15:33:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2043875-6 CCV	1	16:06:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2043875-7 CCB	1	16:13:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2043875-8 CCV	1	17:07:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2043875-9 CCB	1	17:12:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2043875-11 CCV	1	18:07:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2043875-12 CCB	1	18:11:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2043875-13 CCV	1	19:05:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2043875-14 CCB	1	19:10:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2148481-3 MS	10	19:50:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2148481-4 MSD	10	19:55:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2043875-15 CCV	1	20:04:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2043875-16 CCB	1	20:08:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2148481-1 BLANK	1	20:34:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2148481-2 LCS	10	20:39:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2148481-6 SERDIL	5	20:43:36				X			X						X	X		X			X			
R2043875-17 CCV	1	20:53:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2043875-18 CCB	1	20:58:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Form 13
Analysis Run Log

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: ICPMSX2	**Analysis Method**	: 1,6020B
Start Date	: 12/08/25 05:57	**End Date**	: 12/08/25 19:29

Sample Number	Dilution Factor	Analysis Time	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total
R2045101-8 TUNE		05:57:33																						
R2045101-1 ICV	1	14:47:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2045101-2 ICB	1	14:52:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2045101-3 ICSA	1	15:11:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2045101-4 CCV	1	15:28:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2045101-5 CCB	1	15:33:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2045101-6 CCV	1	16:34:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2045101-7 CCB	1	16:39:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2575576-08	1	18:04:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X
R2045101-9 CCV	1	18:10:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2045101-10 CCB	1	18:15:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2575576-08	10	18:36:29																			X			
R2045101-11 CCV	1	19:24:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R2045101-12 CCB	1	19:29:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Form 14
ICP-MS Tune

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab Sample ID	: R2043875-10	**Analysis Date**	: 12/04/25 13:17
ICP-MS Instrument	: iCAP RQ		

Mass Element	Avg Measured Mass (amu)	Avg. Peak Width at 10% Peak Height (amu)	%RSD
59 Co	58.9435	0.677	1.5
115 In	114.8924	0.707	3.4
7 Li	7.0229	0.673	1.4
238 U	238.0353	0.721	2.2

Form 14
ICP-MS Tune

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab Sample ID	: R2045101-8	**Analysis Date**	: 12/08/25 05:57
ICP-MS Instrument	: ICPMSX2		

Mass Element	Avg Measured Mass (amu)	Avg. Peak Width at 10% Peak Height (amu)	%RSD
59 Co	58.938	0.74	1.26
115 In	114.899	0.77	0.73
7 Li	6.999	0.77	0.98
209 Bi	208.983	0.74	1.69

Form 15
ICP-MS Internal Standards Relative Intensity Summary

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	:	**Analysis Method**	:
Start Date	: 12/04/25	**End Date**	: 12/04/25
ISTD Mode	: STD		

Sample #	Time	Internal Standards %RI For:							
		Li	Sc	Ge	In	Bi	Rh	Tb	Lu
R2043875-1 ICV	14:59:28	98	97	100	92	93	96	96	98
R2043875-2 ICB	15:04:02	103	99	99	92	97	101	96	98
R2043875-3 ICSA	15:15:35	87	92	90	75	68	81	78	79
R2043875-4 CCV	15:29:06	104	100	103	95	94	100	99	102
R2043875-5 CCB	15:33:40	106	102	101	98	96	99	100	100
R2043875-6 CCV	16:06:16	109	110	109	103	103	109	107	111
R2043875-7 CCB	16:13:13	108	105	104	102	102	106	103	104
R2043875-8 CCV	17:07:36	112	109	111	102	101	108	103	108
R2043875-9 CCB	17:12:10	113	108	107	101	103	112	103	105
R2043875-11 CCV	18:07:05	106	106	107	98	99	106	101	103
R2043875-12 CCB	18:11:40	107	104	105	97	97	105	100	102
R2043875-13 CCV	19:05:37	109	108	109	101	102	109	106	107
R2043875-14 CCB	19:10:12	114	107	108	104	103	110	108	108
WG2148481-3 MS	19:50:43	121	114	108	96	95	104	102	105
WG2148481-4 MSD	19:55:11	122	107	109	100	97	103	102	102
R2043875-15 CCV	20:04:09	112	113	109	101	97	104	104	104
R2043875-16 CCB	20:08:43	116	115	106	98	96	106	104	106
WG2148481-1 BLANK	20:34:37	124	120	115	110	111	117	117	116
WG2148481-2 LCS	20:39:07	130	121	117	105	106	111	111	114
WG2148481-6 SERDIL	20:43:36	112	112	112	99	101	104	106	108
R2043875-17 CCV	20:53:42	112	107	109	96	96	104	106	106
R2043875-18 CCB	20:58:17	116	110	108	99	99	107	103	101

Form 15
ICP-MS Internal Standards Relative Intensity Summary

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	:	**Analysis Method**	:
Start Date	: 12/04/25	**End Date**	: 12/04/25
ISTD Mode	: KED		

Sample #	Time	Internal Standards %RI For:							
		Li	Sc	Ge	In	Bi	Rh	Tb	Lu
R2043875-1 ICV	14:59:28	98	100	99	96	95	93	98	96
R2043875-2 ICB	15:04:02	106	103	100	100	100	101	102	97
R2043875-3 ICSA	15:15:35	95	107	108	101	89	96	104	102
R2043875-4 CCV	15:29:06	99	106	101	101	102	98	105	104
R2043875-5 CCB	15:33:40	104	105	100	102	103	101	105	101
R2043875-6 CCV	16:06:16	105	113	106	101	105	98	106	106
R2043875-7 CCB	16:13:13	107	105	99	102	104	100	103	102
R2043875-8 CCV	17:07:36	106	108	101	103	103	97	105	106
R2043875-9 CCB	17:12:10	109	108	102	103	106	102	106	105
R2043875-11 CCV	18:07:05	102	109	104	105	105	99	106	107
R2043875-12 CCB	18:11:40	104	106	103	105	108	100	107	105
R2043875-13 CCV	19:05:37	103	108	104	105	107	100	108	110
R2043875-14 CCB	19:10:12	110	110	106	108	109	104	108	109
WG2148481-3 MS	19:50:43	114	108	108	105	104	100	107	108
WG2148481-4 MSD	19:55:11	120	111	107	105	104	100	108	109
R2043875-15 CCV	20:04:09	110	111	108	103	104	100	107	109
R2043875-16 CCB	20:08:43	110	105	105	103	103	103	104	104
WG2148481-1 BLANK	20:34:37	121	119	111	111	108	105	113	114
WG2148481-2 LCS	20:39:07	132	114	107	106	107	103	109	109
WG2148481-6 SERDIL	20:43:36	115	112	108	103	102	99	107	106
R2043875-17 CCV	20:53:42	108	108	105	101	102	99	105	107
R2043875-18 CCB	20:58:17	116	109	105	102	105	103	106	106

Form 15
ICP-MS Internal Standards Relative Intensity Summary

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: ICPMSX2	**Analysis Method**	: 1,6020B
Start Date	: 12/08/25	**End Date**	: 12/08/25
ISTD Mode	:		

Sample #	Time	Internal Standards %RI For:
R2045101-1 ICV	14:47:10	
R2045101-2 ICB	14:52:46	
R2045101-3 ICSA	15:11:37	
R2045101-4 CCV	15:28:23	
R2045101-5 CCB	15:33:59	
R2045101-6 CCV	16:34:06	
R2045101-7 CCB	16:39:42	
L2575576-08	18:04:26	
R2045101-9 CCV	18:10:01	
R2045101-10 CCB	18:15:37	
L2575576-08	18:36:29	
R2045101-11 CCV	19:24:12	
R2045101-12 CCB	19:29:49	

Date Created: 01/22/21
Created By: Jason Hebert
File: PM9836-1
Page: 1

METALS by 6020B (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Aluminum, Total	7429-90-5	0.01	0.00327	mg/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Antimony, Total	7440-36-0	0.004	0.000429	mg/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Arsenic, Total	7440-38-2	0.0005	0.000165	mg/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Barium, Total	7440-39-3	0.0005	0.000173	mg/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Beryllium, Total	7440-41-7	0.0005	0.000107	mg/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Cadmium, Total	7440-43-9	0.0002	0.0000599	mg/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Calcium, Total	7440-70-2	0.1	0.0394	mg/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Chromium, Total	7440-47-3	0.001	0.000178	mg/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Cobalt, Total	7440-48-4	0.0005	0.000163	mg/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Copper, Total	7440-50-8	0.001	0.000384	mg/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Lithium, Total	7439-93-2	0.001	0.000083	mg/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Iron, Total	7439-89-6	0.05	0.0191	mg/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Lead, Total	7439-92-1	0.001	0.000343	mg/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Magnesium, Total	7439-95-4	0.07	0.0242	mg/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Manganese, Total	7439-96-5	0.001	0.00044	mg/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Nickel, Total	7440-02-0	0.002	0.000556	mg/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Potassium, Total	7440-09-7	0.1	0.0309	mg/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Selenium, Total	7782-49-2	0.005	0.00173	mg/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Silver, Total	7440-22-4	0.0004	0.000163	mg/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Sodium, Total	7440-23-5	0.1	0.0293	mg/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Thallium, Total	7440-28-0	0.0005	0.000143	mg/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Vanadium, Total	7440-62-2	0.005	0.00157	mg/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Zinc, Total	7440-66-6	0.01	0.00341	mg/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved

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

Date Created: 01/22/21
Created By: Jason Hebert
File: PM9837-1
Page: 1

METALS by 6020B (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Aluminum, Total	7429-90-5	10	1.48	mg/kg	48-151	20	75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserv
Antimony, Total	7440-36-0	0.16	0.01352	mg/kg	1-208	20	75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserv
Arsenic, Total	7440-38-2	0.05	0.0066	mg/kg	79-121	20	75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserv
Barium, Total	7440-39-3	0.3	0.02112	mg/kg	83-117	20	75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserv
Beryllium, Total	7440-41-7	0.03	0.00872	mg/kg	83-117	20	75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserv
Cadmium, Total	7440-43-9	0.02	0.00264	mg/kg	83-117	20	75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserv
Calcium, Total	7440-70-2	50	6.08	mg/kg	81-119	20	75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserv
Chromium, Total	7440-47-3	0.2	0.0468	mg/kg	80-120	20	75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserv
Cobalt, Total	7440-48-4	0.05	0.00532	mg/kg	84-115	20	75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserv
Copper, Total	7440-50-8	0.2	0.0194	mg/kg	81-118	20	75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserv
Iron, Total	7439-89-6	20	2.06	mg/kg	45-155	20	75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserv
Lead, Total	7439-92-1	0.06	0.0146	mg/kg	81-117	20	75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserv
Magnesium, Total	7439-95-4	10	1.232	mg/kg	76-124	20	75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserv
Manganese, Total	7439-96-5	0.2	0.0444	mg/kg	81-117	20	75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserv
Nickel, Total	7440-02-0	0.1	0.02672	mg/kg	83-117	20	75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserv
Potassium, Total	7440-09-7	10	1.588	mg/kg	71-129	20	75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserv
Selenium, Total	7782-49-2	0.2	0.0756	mg/kg	78-122	20	75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserv
Silver, Total	7440-22-4	0.05	0.00488	mg/kg	75-124	20	75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserv
Sodium, Total	7440-23-5	15	1.172	mg/kg	72-127	20	75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserv
Thallium, Total	7440-28-0	0.02	0.00516	mg/kg	80-120	20	75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserv
Vanadium, Total	7440-62-2	0.1	0.03792	mg/kg	78-122	20	75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserv
Zinc, Total	7440-66-6	1	0.26	mg/kg	82-118	20	75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserv

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

Performance Report

System

Start time:	12/4/2025 1:17:48 PM
Instrument:	iCAP RQ
Operator:	ALPHALAB\ICPMSRQ
Template:	STD_DEF
Instrument Serial Number:	RQ01904
Last Autotune:	Autotune-SourceTune High Matrix-20251202-200037117.imatdat
Solution:	No solution specified

Sensitivity & Stability Test

Result	Runs	Sweeps
Passed	5	10

Sensitivity

Analyte	Result	Value	Condition	Limit
Bkg4.5	Passed	1.8 CPS	Less than	10.0 CPS
Bkg220.7	Passed	0.8 CPS	Less than	10.0 CPS
7Li	Passed	24,722.0 CPS	Greater than	10,000.0 CPS
59Co	Passed	57,684.0 CPS	Greater than	1,000.0 CPS
238U	Passed	28,212.0 CPS	Greater than	20,000.0 CPS
140Ce.16O/140Ce	Passed	0.0193	Less than	0.025
137Ba++/137Ba	Passed	0.03	Less than	0.034
115In	Passed	43,277.0 CPS	Greater than	5,000.0 CPS

Stability

Analyte	Value	Limit
7Li	1.4%	5
59Co	1.5%	5
238U	2.2%	5
115In	3.4%	5

Mass Calibration Test

Result	Channels	Dwell	MeasureWidth	PointSpacing	Sweeps
Passed	75	0.04	1.5	0.02	10

Analyte	Result	Centroid Mass [u]	Offset	Peak width [u]	Peak width min [u]	Peak width max [u]
7Li	Passed	7.0229	0.0069	0.673	0.600	0.900
59Co	Passed	58.9435	0.0103	0.677	0.600	0.900
115In	Passed	114.8924	0.0115	0.707	0.600	0.900
238U	Passed	238.0353	0.0155	0.721	0.600	0.900

Tune Settings

Parameter	Value
Additional Gas Flow 1	0.00
Additional Gas Flow 2	0.00
Additional Gas Flow 3	0.00
Angular Deflection	-345.01
Auxilliary Flow	0.80
CCT Bias	-2.01
CCT Entry Lens	-55.98
CCT Exit Lens	-160.01
CCT Focus Lens	-5.27
CCT1 Flow	0.00
CCT1 Shut-Off Valve	0.00
CCT2 Flow	0.00
CCT2 Shut-Off Valve	0.00
Cool Flow	14.00
D1 Lens	-203.96
D2 Lens	-80.00
Deflection Entry Lens	-35.01
Dry Pump Speed	100.00
Extraction Lens 1 Negative	0.00
Extraction Lens 1 Polarity	0.00
Extraction Lens 1 Positive	0.00
Extraction Lens 2	-135.00
Focus Lens	22.20
Nebulizer Flow	0.96
Peristaltic Pump Speed	17.00
Plasma Power	1549.58
Pole Bias	-1.01
Quad Entry Lens	-19.61
Sampling Depth	5.00
Spray Chamber Temperature	2.70
Torch Horizontal Position	0.11
Torch Vertical Position	0.17
Virtual CCT Mass Maximum Dac Limit Set	4095.00
Virtual CCT Mass parameter b	0.65
Virtual CCT Mass to Dac Factor	130.00
Virtual CCT Mass to Dac Offset	-85.00

Vacuum Check

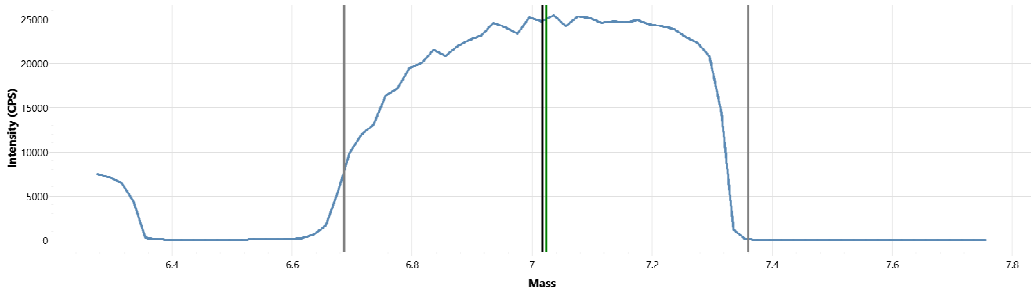
Parameter	Result	Value
Analyzer Pressure	Vacuum ok	2.943e-7
Interface Pressure		1.851e+0

Detector Voltages

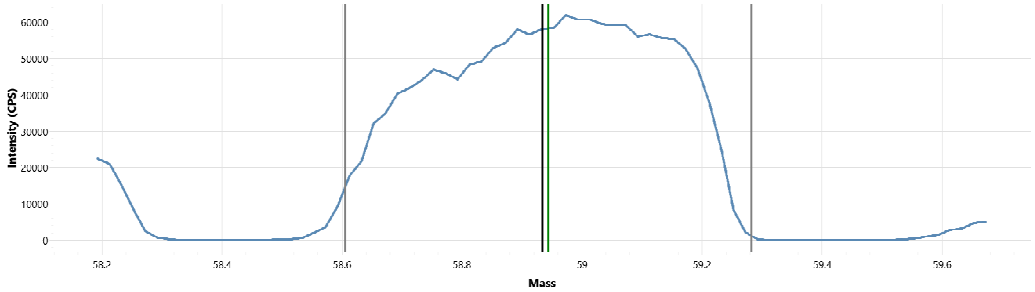
Analog	Counting
-3025.00	2000.00

Mass Calibration Peaks

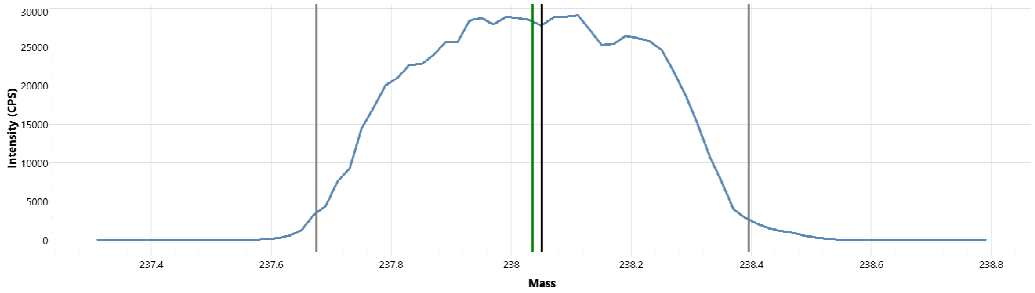
Analyte: 7Li



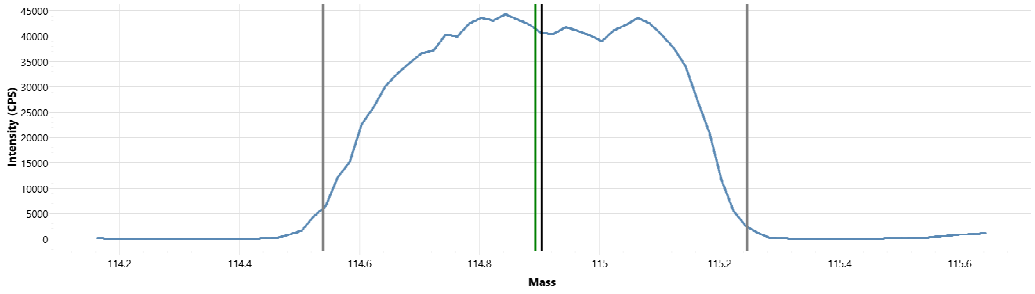
Analyte: 59Co



Analyte: 238U



Analyte: 115In



ICP-MSX_2 Performance Check

12/8/2025 5:32:37 PM

Model	iCAP MSX (MSX-500)
Serial Number	iCAPMSX00052
Domain	ALPHALAB
Computer	I58-005042
User	metals-instrument
Started at	12/8/2025 5:57:33 AM
Finished at	12/8/2025 5:59:55 AM
Performance Check Name	Pace M-Level 10-None
for Measurement Mode	M-Level 10-None
Description	Performance Check for M-Level 10-None Mode Set
Solution	iCAP MX Series Tune Solution
Performance Check Result	Passed

Detailed Test Results

Performance Check Step	Result
Sensitivity Test	Passed
Mass Calibration Accuracy Test	Passed
Vacuum Test	Skipped

Sensitivity Test: Background Verification

Analyte	Condition	Measured Value	Result
Bkg4.5	Less than 3.00 cps	0.00 cps	Passed
Bkg220.7	Less than 3.00 cps	0.00 cps	Passed

Sensitivity Test: Analyte Sensitivity

Analyte	Condition	Measured Value	Result
7Li	Greater than 1,250 cps	25,356 cps	Passed
59Co	Greater than 4,500 cps	26,800 cps	Passed
115In	Greater than 9,000 cps	75,046 cps	Passed
209Bi	Greater than 7,500 cps	102,593 cps	Passed

Sensitivity Test: Analyte Ratios

Analyte	Condition	Measured Value	Result
137Ba++ / 137Ba	Less than 4.00%	2.26%	Passed
140Ce.16O / 140Ce	Less than 1.50%	1.09%	Passed

Sensitivity Test: Analyte Stability

Analyte	Condition	Measured Value	Result
7Li	Less than 5.00%	0.98 %	Passed
59Co	Less than 5.00%	1.26 %	Passed
115In	Less than 5.00%	0.73 %	Passed
209Bi	Less than 5.00%	1.69 %	Passed

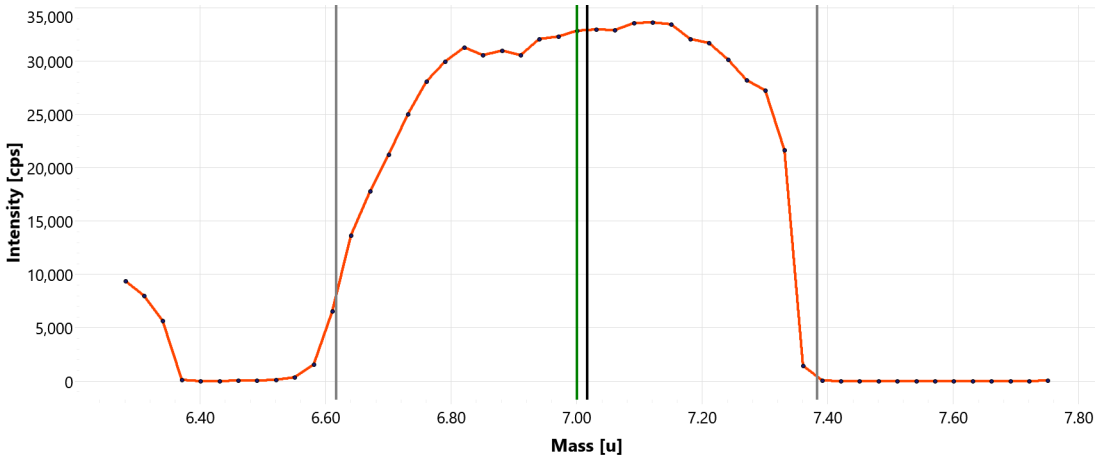
ICP-MSX_2 Performance Check
12/8/2025 5:32:37 PM

Mass Calibration Accuracy Verification

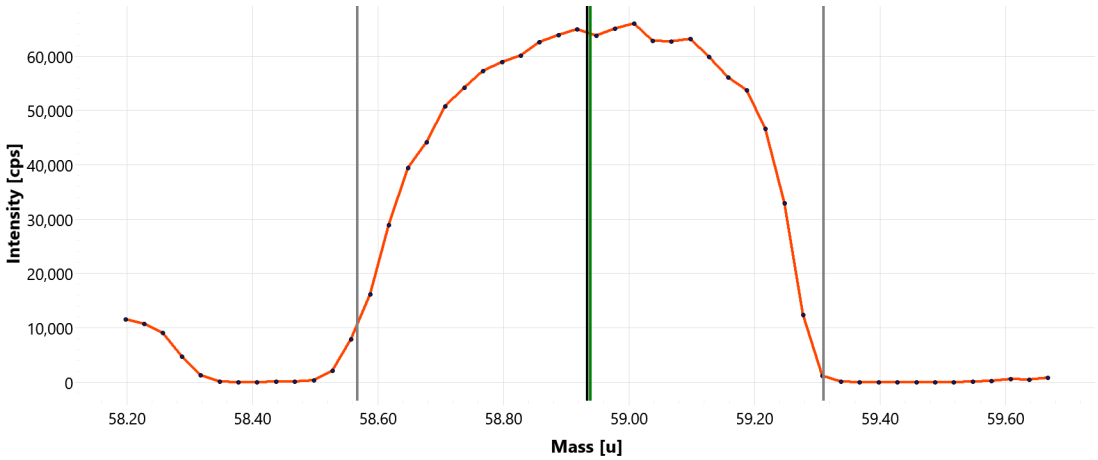
Analyte	Centroid Mass [u]	Offset [u]	Peak Width [u]	Peak Width Limits [u]	Result
7Li	6.999	0.017	0.77	0.65 - 0.85	Passed
59Co	58.938	0.005	0.74	0.65 - 0.85	Passed
115In	114.899	0.005	0.77	0.65 - 0.85	Passed
209Bi	208.983	0.003	0.74	0.65 - 0.85	Passed

Q3 Mass Calibration Peaks

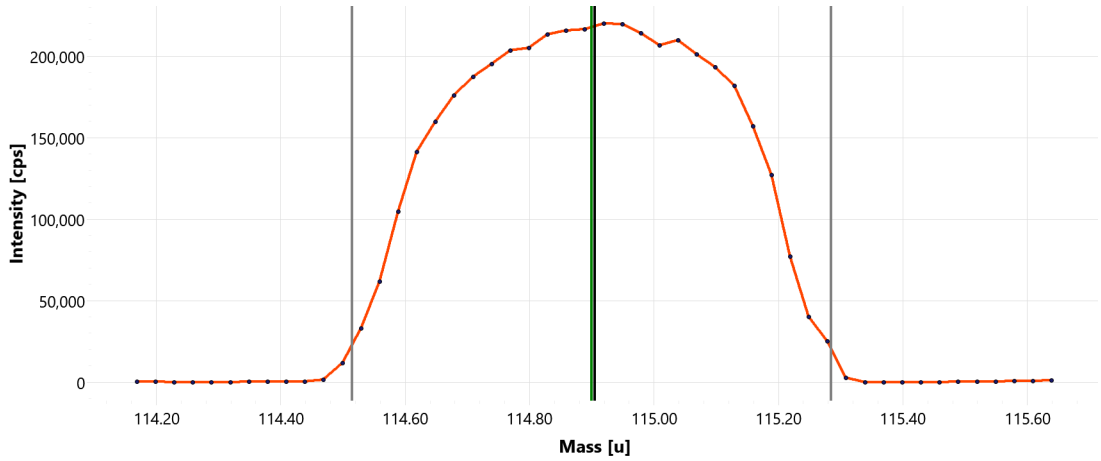
Analyte 7Li



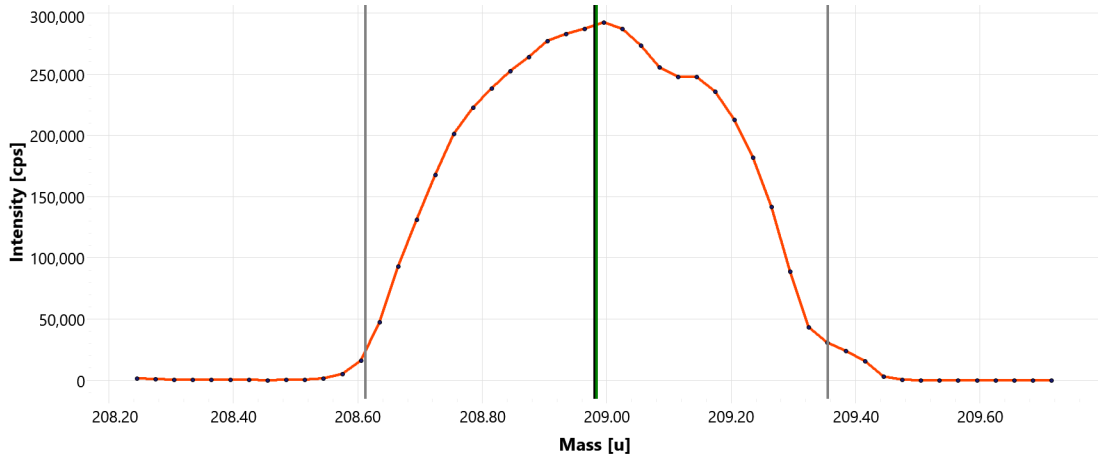
Analyte 59Co



Analyte 115In



Analyte 209Bi



Measurement Mode Details

Performance Check Step	Measurement Mode
Sensitivity Test	M-Level 10-None
Mass Calibration Accuracy Test	M-Off-None
Vacuum Check	M-Off-None

Tune Settings: Sensitivity based Tests

Measurement Mode M-Level 10-None

Area	Parameter	Value
Gas	QCell Mass to DAC Offset	-164.00
Gas	QCell Bias Set	-2.01 V
Gas	QCell Exit Lens Set	-160.01 V
Gas	Quad Focus Lens (V) Set	18.79 V
Gas	D1 Lens Set	-199.95 V
Gas	D2 Lens Set	-82.69 V
Gas	Quad Entry Lens (V) Set	-21.00 V
Gas	Quad Pole Bias Set	-1.00 V
Gas	QCell Gas 1 Flow Set	0.00 mL/min
Gas	QCell Gas 2 Flow Set	0.00 mL/min
Interface	*G1 Flow Set	0.00 %

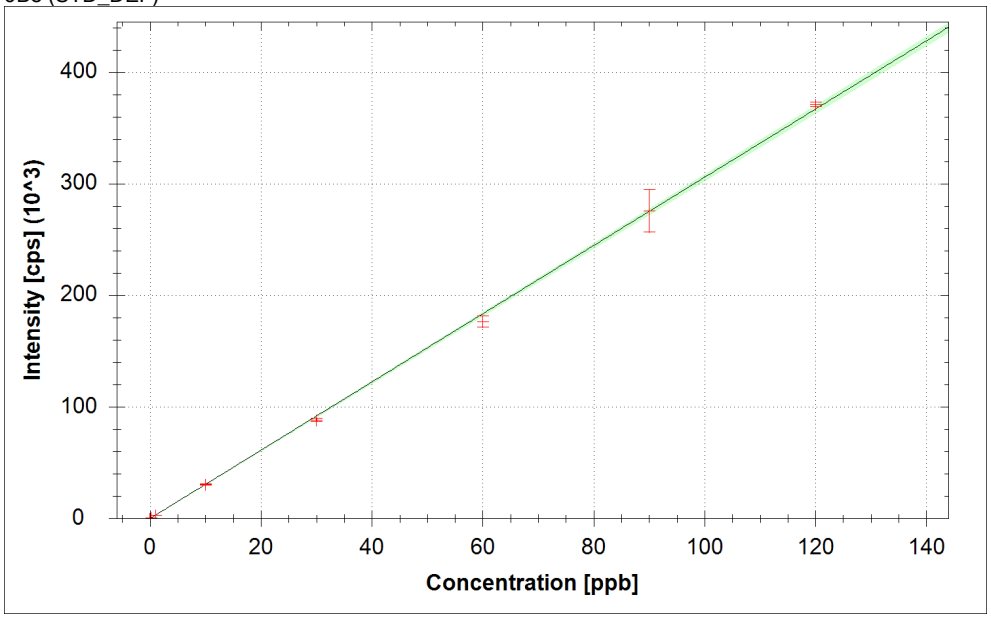
ICP-MSX_2 Performance Check

12/8/2025 5:32:37 PM

Area	Parameter	Value
Interface	+G2 Flow Set	0.00 %
Interface	RAPID Lens Set	-222.59 V
Interface	RAPID Entry Lens Set	-35.01 V
Interface	Extraction Lens 1 Set	0.01 V
Interface	Spray Chamber Temperature Set	2.68 °C
Interface	Cool. Gas Flow Set	13.99 L/min
Interface	Plasma Power Set	1550.01 W
Interface	Aux. Gas Flow Set	0.80 L/min
Interface	QCell Entry Lens (V) Set	-39.74 V
Interface	Interface Pump Relative Speed Set	55.00 %
ModeSpecific	QCell Mass to DAC Factor	130.00
ModeSpecific	QCell Mass Parameter b	0.65
ModeSpecific	QCell Mass Maximum DAC Limit	4095.00
Agd	Nebulizer Gas Flow Set	0.50 L/min
Agd	Torch Sampling Depth Set	5.00 mm
Agd	Torch Horizontal Position Set	-0.83 mm
Agd	Torch Vertical Position Set	0.10 mm
Agd	Extraction Lens 2 Set	-90.01 V
Agd	QCell Focus Lens (V) Set	1.26 V
Agd	Skimmer Voltage Set	-1.00 V
Agd	Peristaltic Pump Speed Set	25.00 rpm
Agd	AGD Flow Set	0.60 L/min
Agd	Humidifier Flow Set	0.00

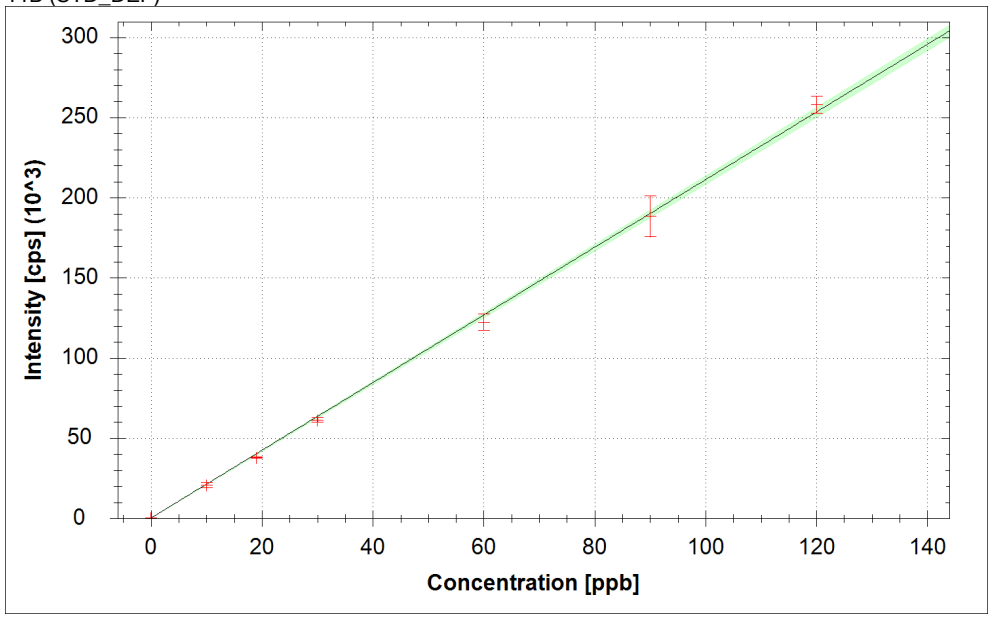
Calibration Curves:

9Be (STD_DEF)



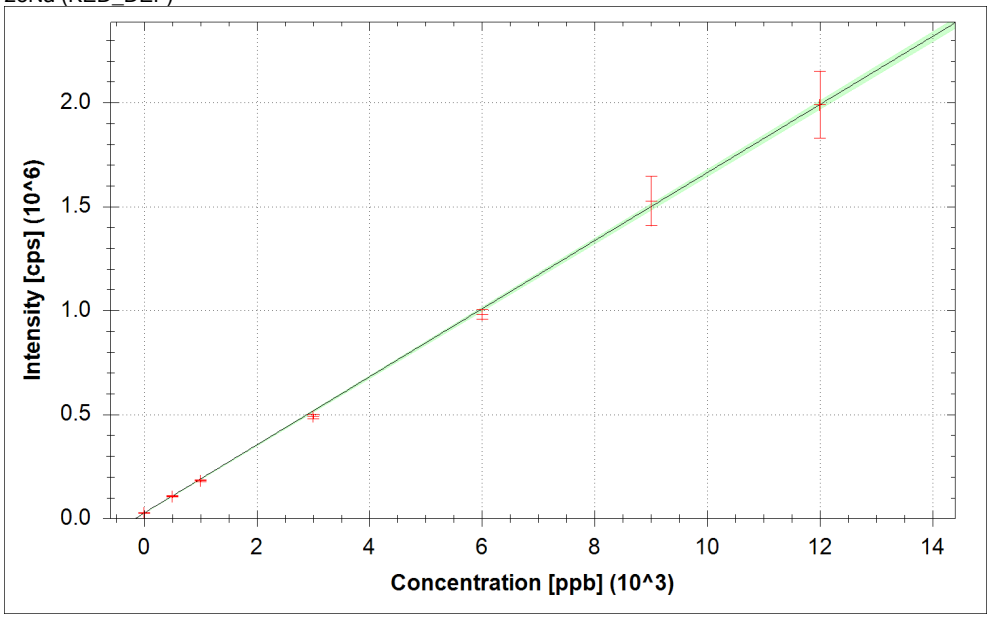
f(x) = 3056.5712*x + 31.5876
R² = 0.9994
BEC = 0.010 ppb
LoD = 0.0099 ppb

11B (STD_DEF)



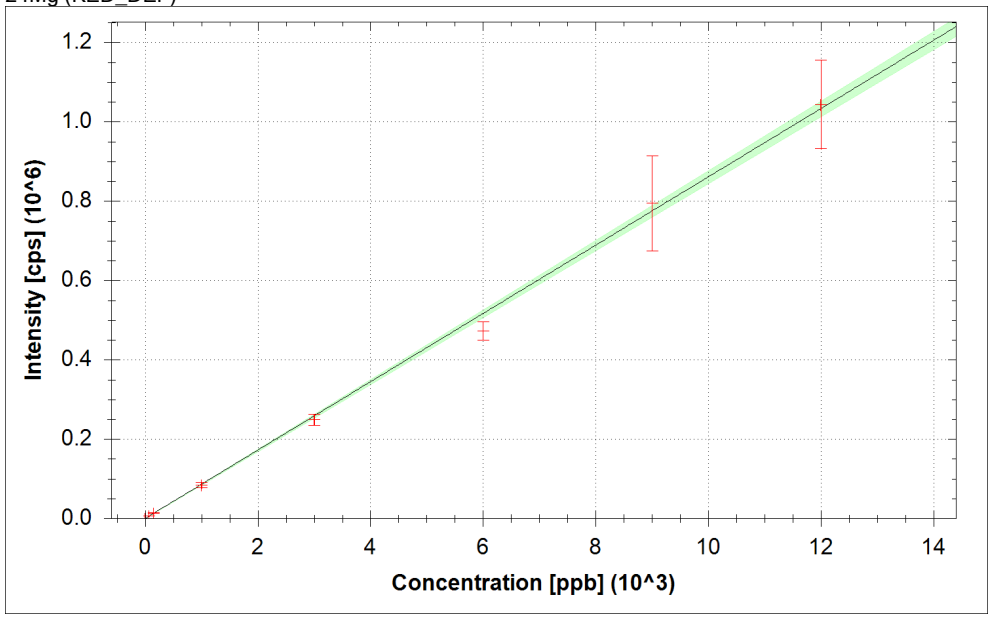
f(x) = 2108.9256*x + 311.3416
R² = 0.9990
BEC = 0.148 ppb
LoD = 0.0067 ppb

23Na (KED_DEF)



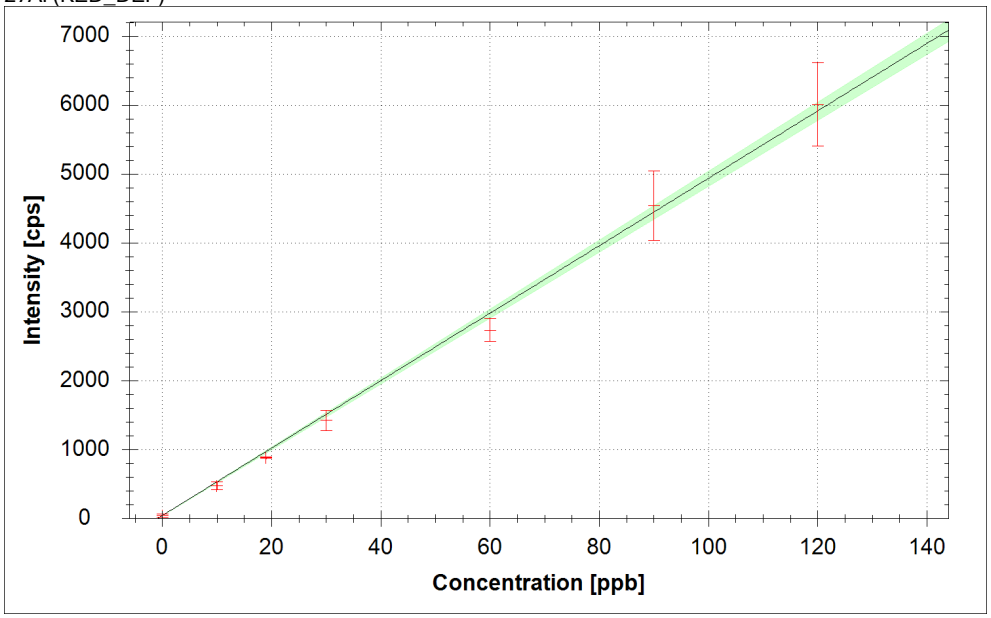
f(x) = 163.6383*x + 26226.5975
R² = 0.9993
BEC = 160.272 ppb
LoD = 9.7533 ppb

24Mg (KED_DEF)



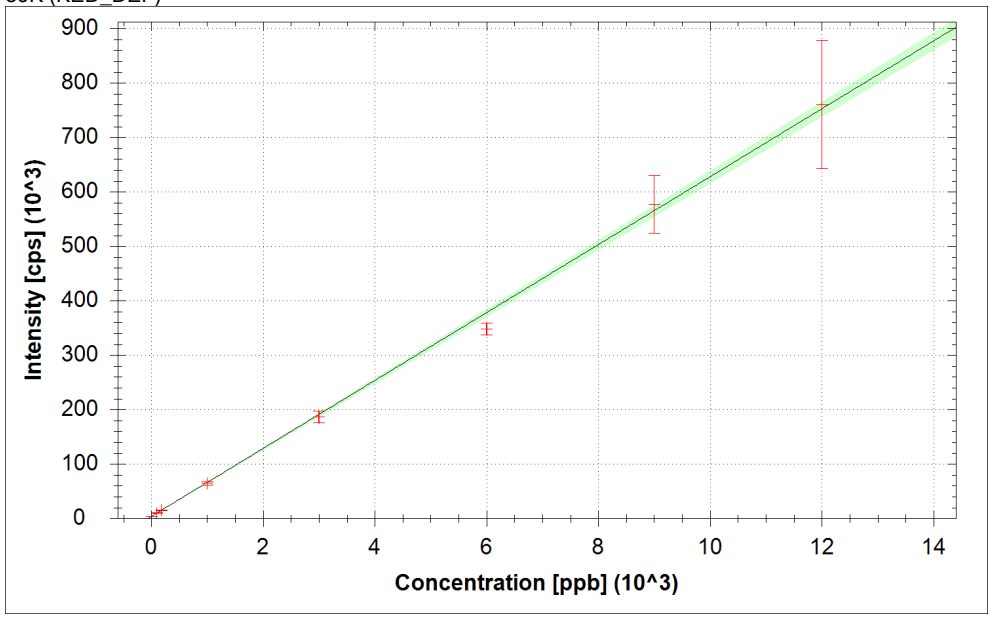
f(x) = 86.0623*x + 106.7254
R² = 0.9977
BEC = 1.240 ppb
LoD = 0.8148 ppb

27Al (KED_DEF)



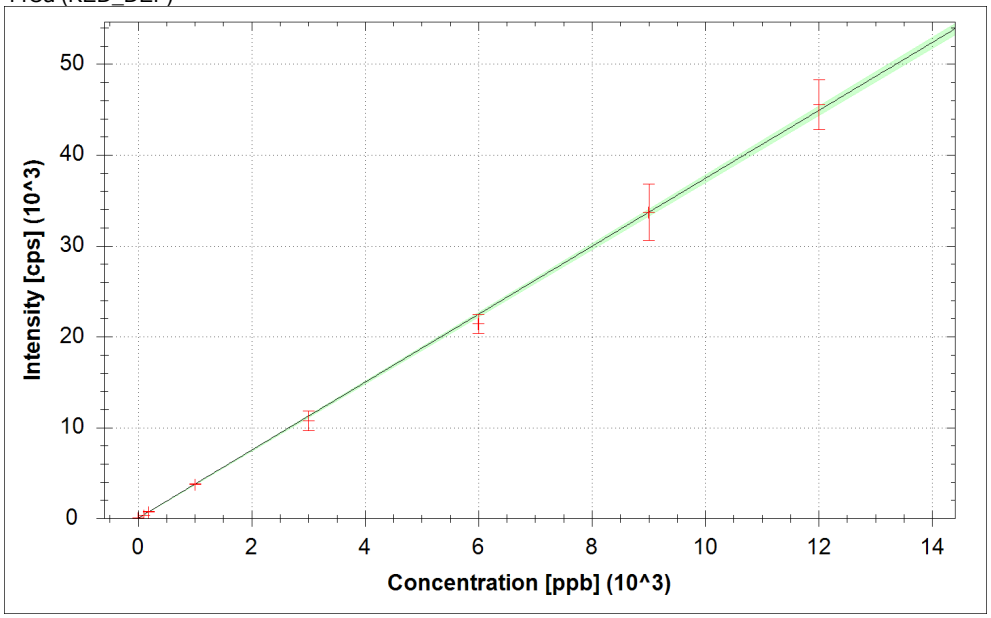
f(x) = 48.9124*x + 41.8346
R² = 0.9968
BEC = 0.855 ppb
LoD = 1.3669 ppb

39K (KED_DEF)



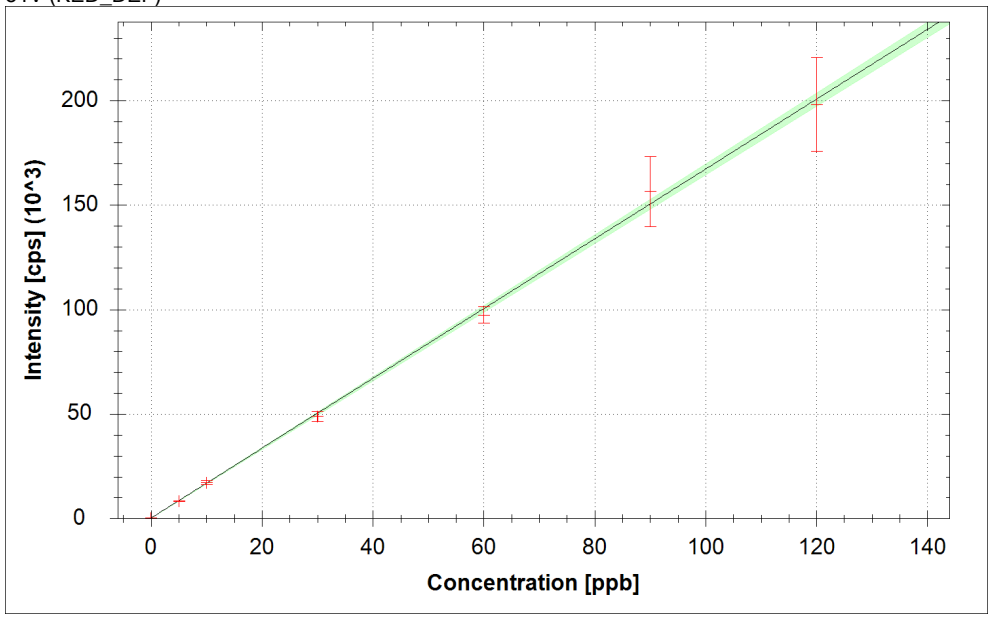
f(x) = 62.3775*x + 3816.9976
R² = 0.9981
BEC = 61.192 ppb
LoD = 2.3152 ppb

44Ca (KED_DEF)



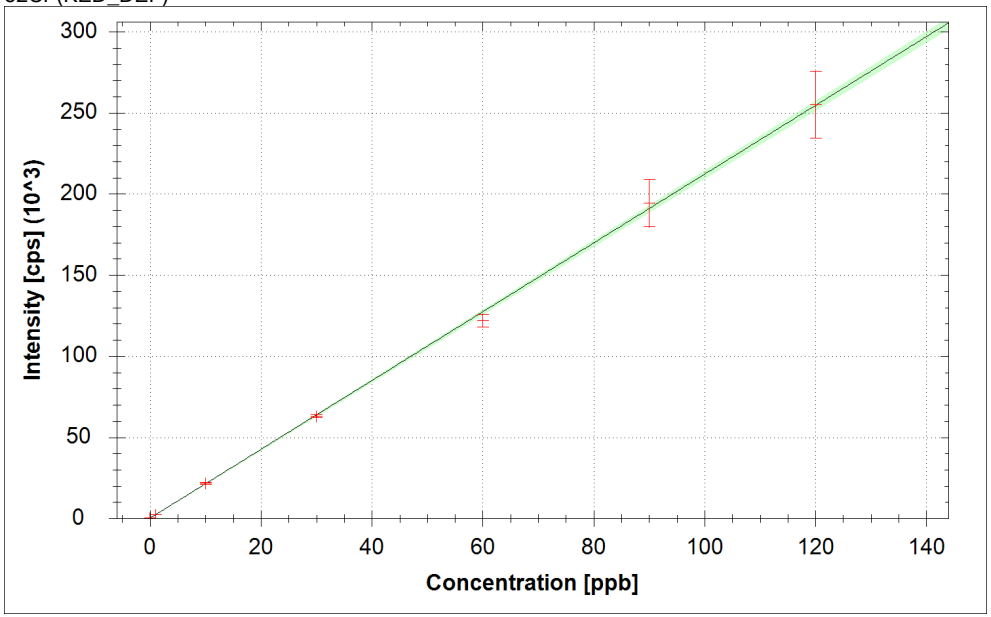
f(x) = 3.7384*x + 27.9357
R² = 0.9991
BEC = 7.473 ppb
LoD = 6.4873 ppb

51V (KED_DEF)



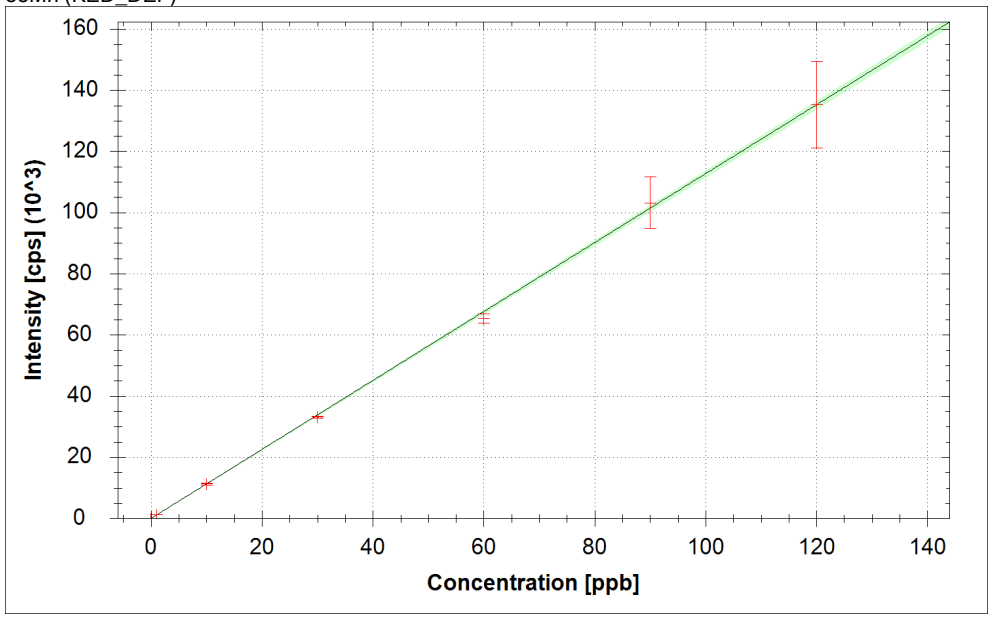
f(x) = 1670.0601*x + 217.3679
R² = 0.9985
BEC = 0.130 ppb
LoD = 0.0467 ppb

52Cr (KED_DEF)



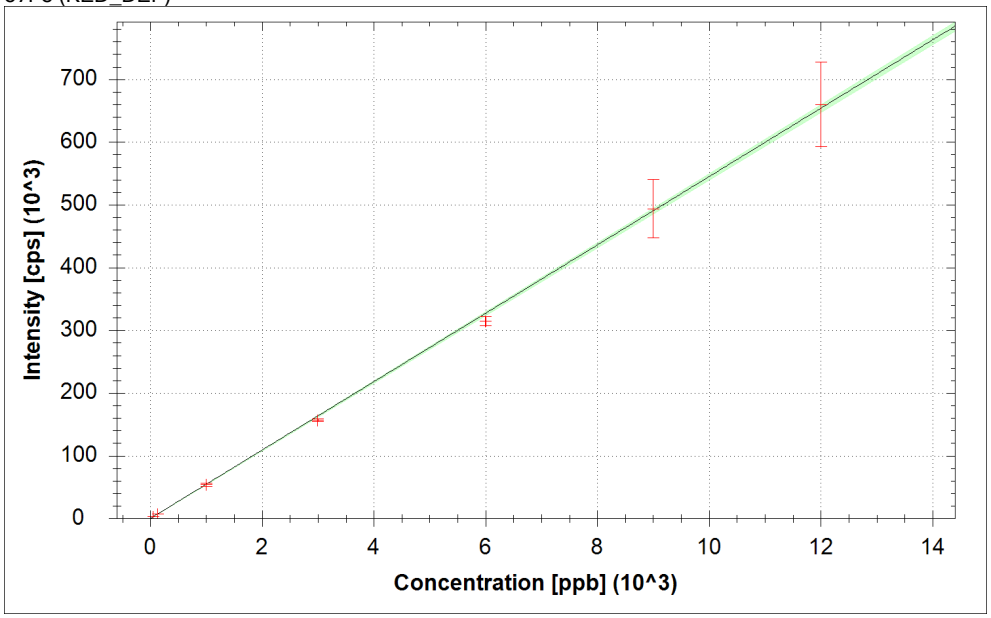
f(x) = 2119.3780*x + 217.3785
R² = 0.9993
BEC = 0.103 ppb
LoD = 0.0329 ppb

55Mn (KED_DEF)



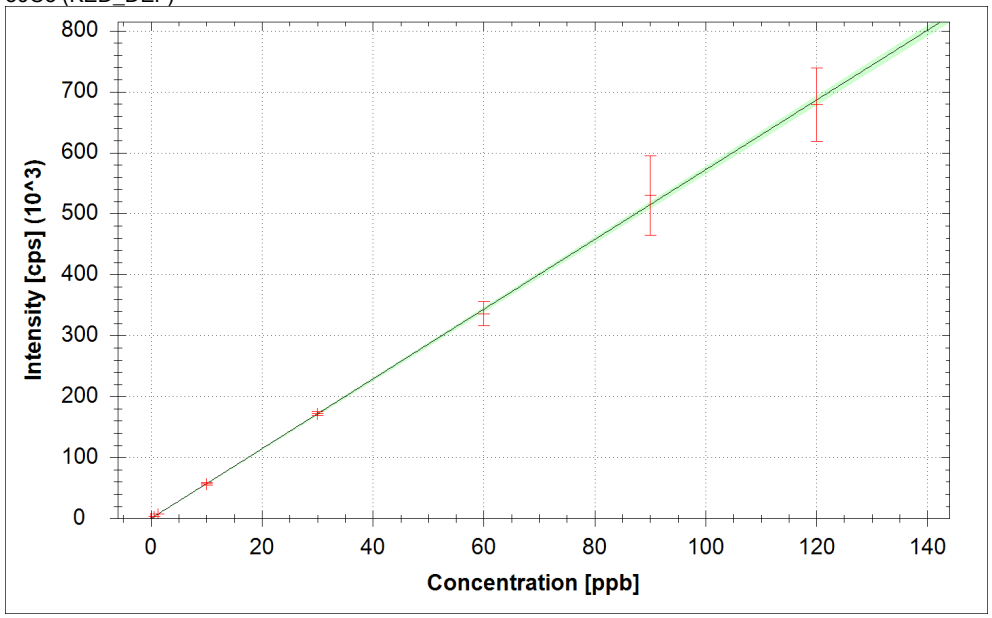
f(x) = 1126.2785*x + 41.5559
R² = 0.9995
BEC = 0.037 ppb
LoD = 0.0036 ppb

57Fe (KED_DEF)



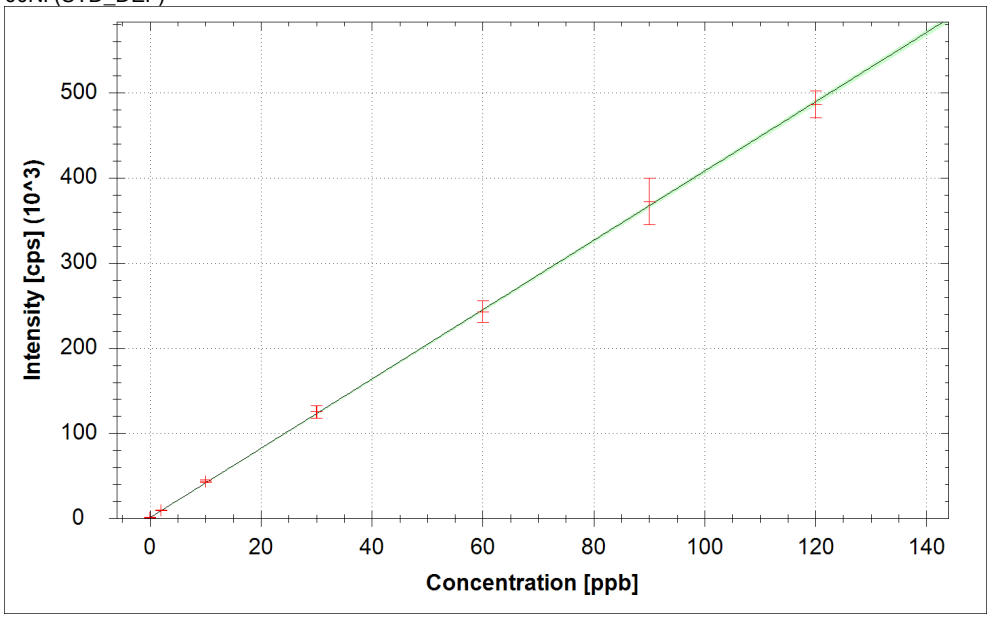
f(x) = 54.4817*x + 22.2340
R² = 0.9994
BEC = 0.408 ppb
LoD = 0.2154 ppb

59Co (KED_DEF)



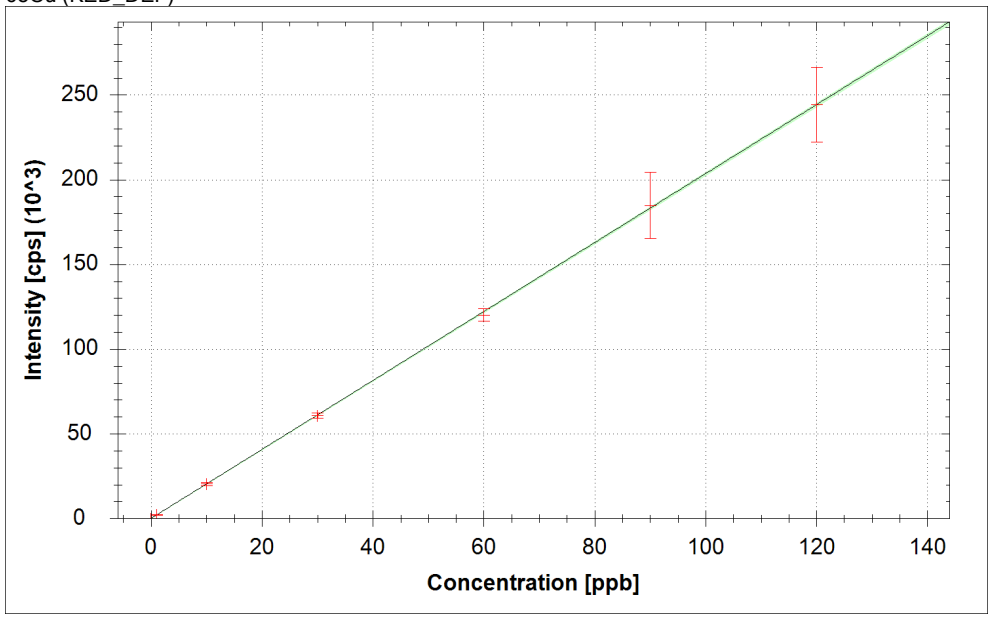
f(x) = 5718.0701*x + 20.1830
R² = 0.9993
BEC = 0.004 ppb
LoD = 0.0095 ppb

60Ni (STD_DEF)



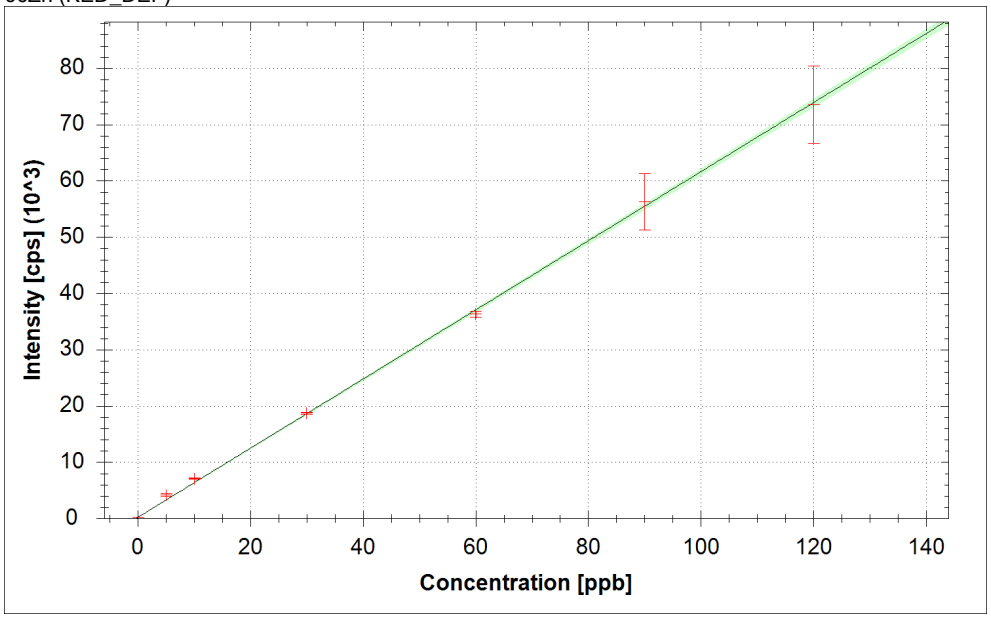
f(x) = 4068.9447*x + 999.6313
R² = 0.9998
BEC = 0.246 ppb
LoD = 0.1352 ppb

65Cu (KED_DEF)



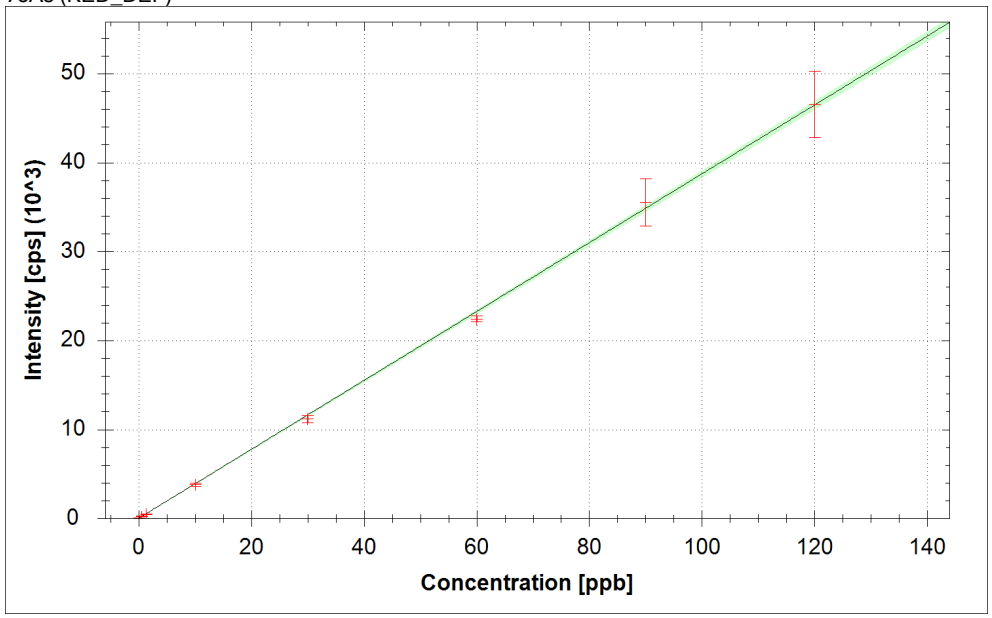
f(x) = 2034.6742*x + 53.1657
R² = 0.9999
BEC = 0.026 ppb
LoD = 0.0249 ppb

66Zn (KED_DEF)



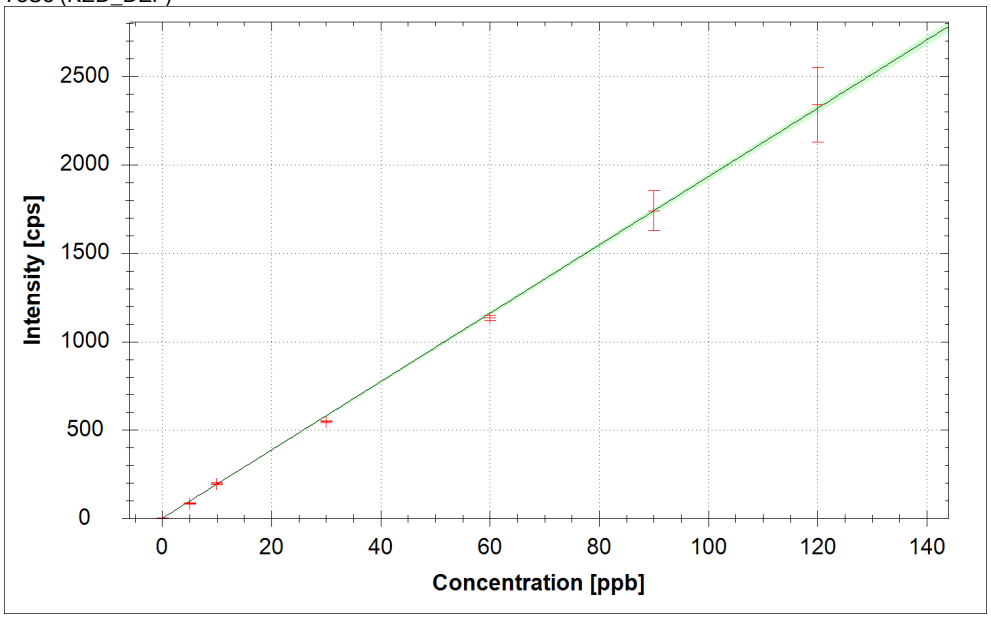
f(x) = 613.9990*x + 206.1994
R² = 0.9995
BEC = 0.336 ppb
LoD = 0.1465 ppb

75As (KED_DEF)



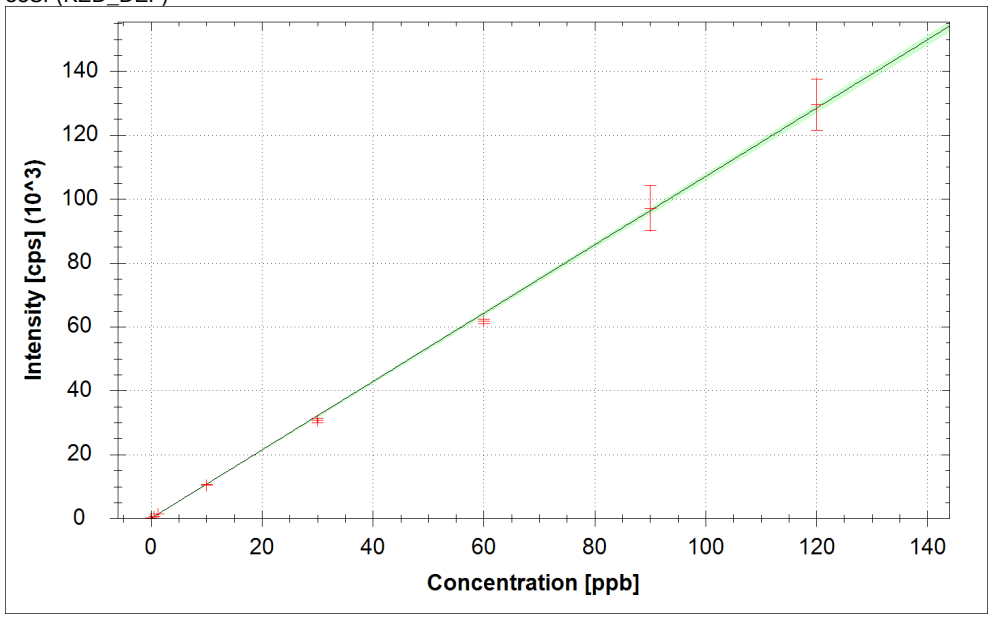
f(x) = 386.7630*x + 39.6430
R² = 0.9994
BEC = 0.102 ppb
LoD = 0.1283 ppb

78Se (KED_DEF)



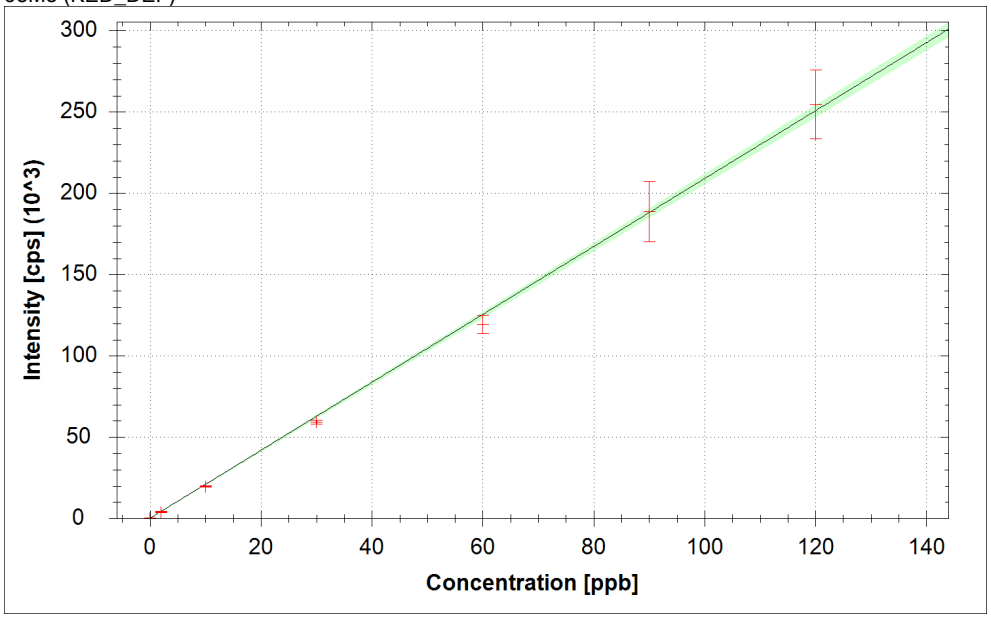
f(x) = 19.3156*x + 1.0059
R² = 0.9995
BEC = 0.052 ppb
LoD = 0.1721 ppb

88Sr (KED_DEF)



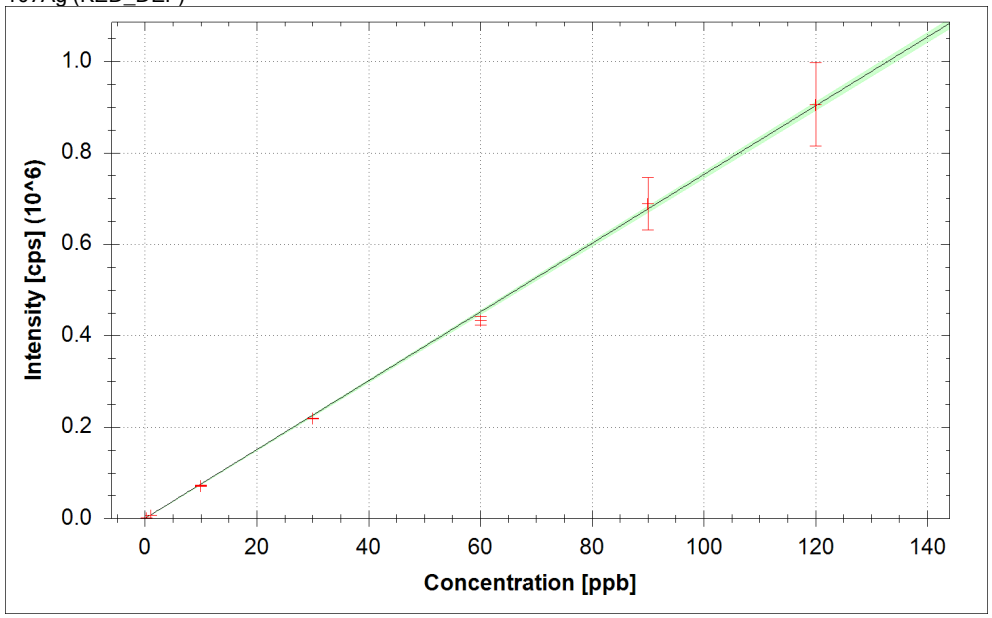
f(x) = 1069.9191*x + 37.4746
R² = 0.9994
BEC = 0.035 ppb
LoD = 0.0215 ppb

95Mo (KED_DEF)



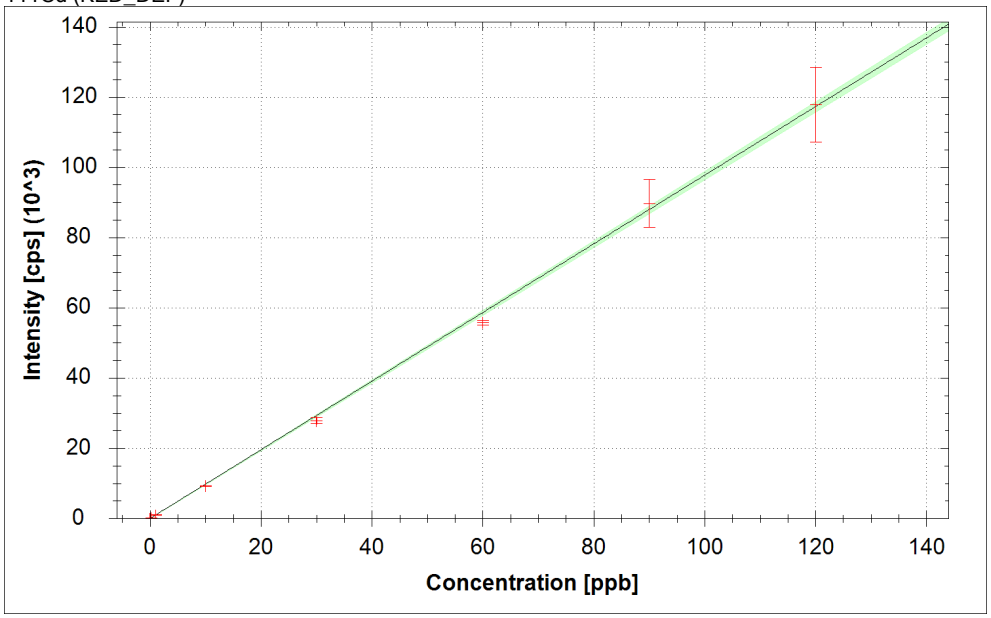
f(x) = 2088.1417*x + 147.2434
R² = 0.9988
BEC = 0.071 ppb
LoD = 0.0811 ppb

107Ag (KED_DEF)



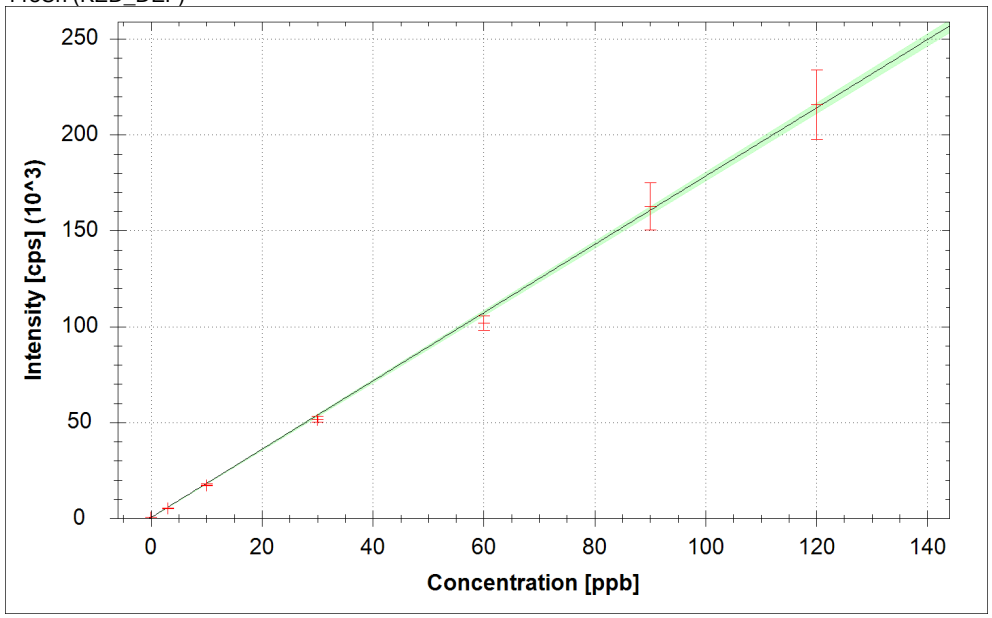
f(x) = 7518.5054*x + 67.0015
R² = 0.9994
BEC = 0.009 ppb
LoD = 0.0067 ppb

111Cd (KED_DEF)



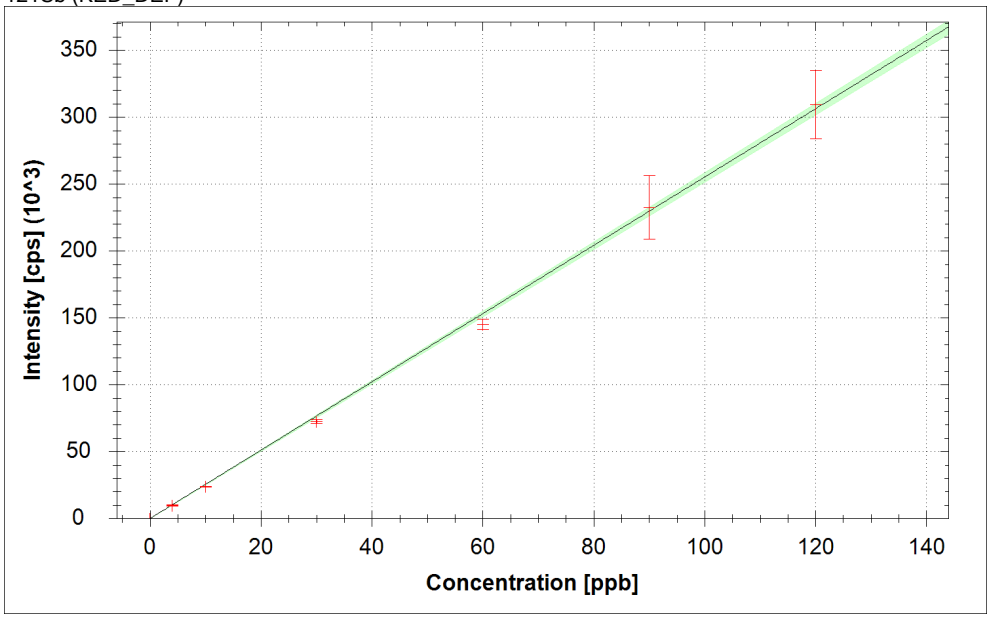
f(x) = 976.9583*x + 0.8769
R² = 0.9990
BEC = 0.001 ppb
LoD = 0.0023 ppb

118Sn (KED_DEF)



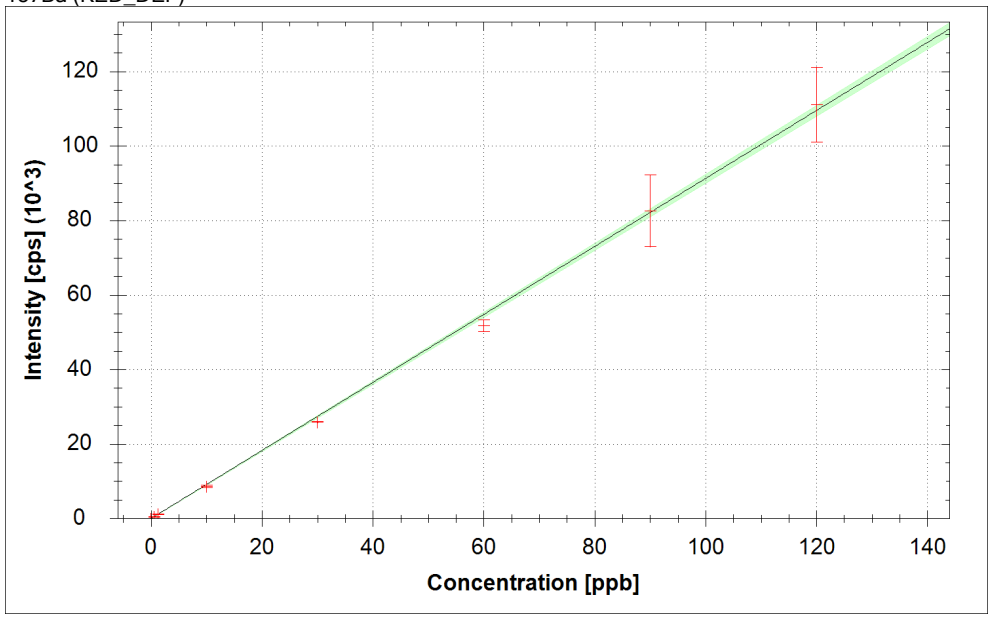
f(x) = 1779.1795*x + 479.7377
R² = 0.9990
BEC = 0.270 ppb
LoD = 0.0268 ppb

121Sb (KED_DEF)



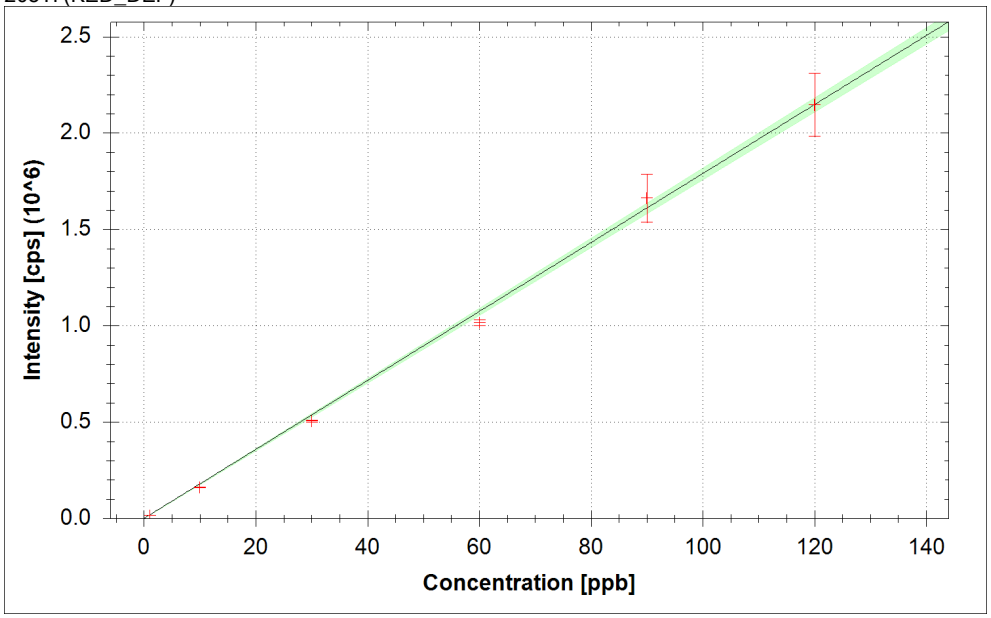
f(x) = 2550.6252*x + 13.8416
R² = 0.9988
BEC = 0.005 ppb
LoD = 0.0054 ppb

137Ba (KED_DEF)



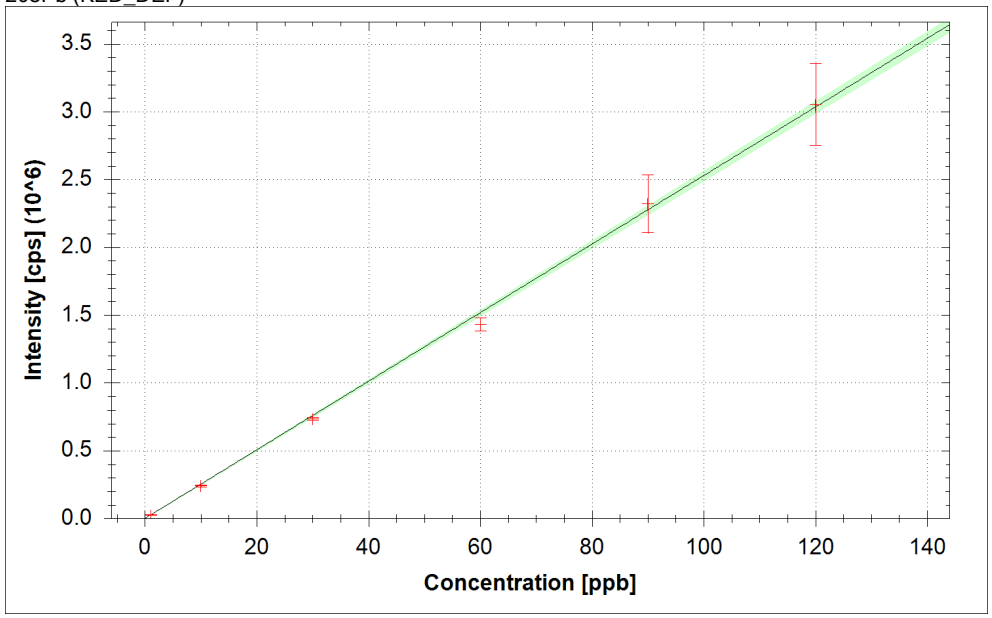
f(x) = 912.7885*x + 4.5037
R² = 0.9989
BEC = 0.005 ppb
LoD = 0.0170 ppb

205Tl (KED_DEF)



f(x) = 17889.2607*x + 60.8536
R² = 0.9983
BEC = 0.003 ppb
LoD = 0.0061 ppb

208Pb (KED_DEF)



f(x) = 25285.4689*x + 118.7569
R² = 0.9988
BEC = 0.005 ppb
LoD = 0.0016 ppb

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Standards:

Analysis Index: 4
Analysis Name: 0.2/20 Cal Plus
Analysis Type: STD
Analysis Started at: 12/4/2025 2:22:39 PM
Total Dilution Factor 1
Rack 4
Vial 50

Category	Concentration average	Concentration RSD	Standard Concentration	Standard Relative Difference
6Li (STD_DEF)	100.615 %	1.9 %		0.000 %
6Li (KED_DEF)	101.496 %	1.3 %		0.000 %
9Be (STD_DEF)	0.194 ppb	2.9 %	0.200 ppb	2.968 %
11B (STD_DEF)	N/A	N/A	N/A	N/A
23Na (KED_DEF)	N/A	N/A	N/A	N/A
24Mg (KED_DEF)	63.657 ppb	3.7 %	70.000 ppb	9.061 %
27Al (KED_DEF)	N/A	N/A	N/A	N/A
39K (KED_DEF)	94.993 ppb	6.9 %	100.000 ppb	5.007 %
44Ca (KED_DEF)	89.912 ppb	0.9 %	100.000 ppb	10.088 %
45Sc (STD_DEF)	108.494 %	6.3 %		0.000 %
45Sc (KED_DEF)	103.722 %	4.2 %		0.000 %
51V (KED_DEF)	N/A	N/A	N/A	N/A
52Cr (KED_DEF)	N/A	N/A	N/A	N/A
55Mn (KED_DEF)	N/A	N/A	N/A	N/A
57Fe (KED_DEF)	47.381 ppb	1.6 %	50.000 ppb	5.238 %
59Co (KED_DEF)	0.512 ppb	6.9 %	0.500 ppb	2.338 %
60Ni (STD_DEF)	N/A	N/A	N/A	N/A
65Cu (KED_DEF)	N/A	N/A	N/A	N/A
66Zn (KED_DEF)	N/A	N/A	N/A	N/A
74Ge (STD_DEF)	103.613 %	0.8 %		0.000 %
74Ge (KED_DEF)	101.649 %	1.9 %		0.000 %
75As (KED_DEF)	0.463 ppb	22.3 %	0.500 ppb	7.336 %
78Se (KED_DEF)	N/A	N/A	N/A	N/A
88Sr (KED_DEF)	0.472 ppb	6.5 %	0.500 ppb	5.615 %
95Mo (KED_DEF)	N/A	N/A	N/A	N/A
103Rh (STD_DEF)	104.936 %	0.8 %		0.000 %
103Rh (KED_DEF)	101.949 %	3.9 %		0.000 %
107Ag (KED_DEF)	0.189 ppb	3.0 %	0.200 ppb	5.392 %
111Cd (KED_DEF)	0.175 ppb	5.9 %	0.200 ppb	12.501 %
115In (STD_DEF)	101.751 %	2.4 %		0.000 %
115In (KED_DEF)	103.609 %	3.0 %		0.000 %
118Sn (KED_DEF)	N/A	N/A	N/A	N/A
121Sb (KED_DEF)	N/A	N/A	N/A	N/A
137Ba (KED_DEF)	0.448 ppb	6.5 %	0.500 ppb	10.464 %
159Tb (STD_DEF)	98.314 %	2.6 %		0.000 %
159Tb (KED_DEF)	103.700 %	4.5 %		0.000 %
175Lu (STD_DEF)	104.429 %	4.8 %		0.000 %
175Lu (KED_DEF)	100.560 %	2.2 %		0.000 %
205Tl (KED_DEF)	N/A	N/A	N/A	N/A
208Pb (KED_DEF)	N/A	N/A	N/A	N/A
209Bi (STD_DEF)	103.567 %	1.1 %		0.000 %
209Bi (KED_DEF)	103.802 %	2.0 %		0.000 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Standards:

Analysis Index: 5
Analysis Name: 1/100 Cal Plus
Analysis Type: STD
Analysis Started at: 12/4/2025 2:27:12 PM
Total Dilution Factor 1
Rack 4
Vial 51

Category	Concentration average	Concentration RSD	Standard Concentration	Standard Relative Difference
6Li (STD_DEF)	100.016 %	5.3 %		0.000 %
6Li (KED_DEF)	99.452 %	4.0 %		0.000 %
9Be (STD_DEF)	0.964 ppb	2.3 %	1.000 ppb	3.612 %
11B (STD_DEF)	9.706 ppb	8.0 %	10.000 ppb	2.943 %
23Na (KED_DEF)	491.742 ppb	5.2 %	500.000 ppb	1.652 %
24Mg (KED_DEF)	151.616 ppb	6.9 %	150.000 ppb	1.077 %
27Al (KED_DEF)	8.834 ppb	12.7 %	10.000 ppb	11.664 %
39K (KED_DEF)	178.617 ppb	5.6 %	180.000 ppb	0.768 %
44Ca (KED_DEF)	187.553 ppb	7.8 %	180.000 ppb	4.196 %
45Sc (STD_DEF)	100.626 %	6.7 %		0.000 %
45Sc (KED_DEF)	101.733 %	4.5 %		0.000 %
51V (KED_DEF)	4.832 ppb	0.8 %	5.000 ppb	3.355 %
52Cr (KED_DEF)	1.014 ppb	4.0 %	1.000 ppb	1.361 %
55Mn (KED_DEF)	1.064 ppb	2.3 %	1.000 ppb	6.382 %
57Fe (KED_DEF)	124.329 ppb	1.6 %	130.000 ppb	4.362 %
59Co (KED_DEF)	1.280 ppb	5.2 %	1.300 ppb	1.523 %
60Ni (STD_DEF)	2.133 ppb	4.8 %	2.000 ppb	6.665 %
65Cu (KED_DEF)	0.992 ppb	6.0 %	1.000 ppb	0.791 %
66Zn (KED_DEF)	6.421 ppb	6.1 %	5.000 ppb	28.430 %
74Ge (STD_DEF)	101.259 %	4.7 %		0.000 %
74Ge (KED_DEF)	101.225 %	2.6 %		0.000 %
75As (KED_DEF)	1.145 ppb	7.3 %	1.300 ppb	11.959 %
78Se (KED_DEF)	4.311 ppb	4.6 %	5.000 ppb	13.773 %
88Sr (KED_DEF)	1.250 ppb	3.4 %	1.300 ppb	3.869 %
95Mo (KED_DEF)	1.821 ppb	6.4 %	2.000 ppb	8.939 %
103Rh (STD_DEF)	105.174 %	2.7 %		0.000 %
103Rh (KED_DEF)	101.026 %	1.1 %		0.000 %
107Ag (KED_DEF)	0.945 ppb	2.8 %	1.000 ppb	5.543 %
111Cd (KED_DEF)	0.946 ppb	6.8 %	1.000 ppb	5.418 %
115In (STD_DEF)	99.897 %	4.4 %		0.000 %
115In (KED_DEF)	102.711 %	3.7 %		0.000 %
118Sn (KED_DEF)	2.703 ppb	2.6 %	3.000 ppb	9.887 %
121Sb (KED_DEF)	3.764 ppb	3.9 %	4.000 ppb	5.895 %
137Ba (KED_DEF)	1.280 ppb	7.1 %	1.300 ppb	1.511 %
159Tb (STD_DEF)	97.526 %	6.5 %		0.000 %
159Tb (KED_DEF)	102.396 %	3.5 %		0.000 %
175Lu (STD_DEF)	102.356 %	4.7 %		0.000 %
175Lu (KED_DEF)	99.574 %	2.8 %		0.000 %
205Tl (KED_DEF)	0.926 ppb	0.7 %	1.000 ppb	7.421 %
208Pb (KED_DEF)	0.970 ppb	3.6 %	1.000 ppb	2.953 %
209Bi (STD_DEF)	100.176 %	3.6 %		0.000 %
209Bi (KED_DEF)	99.413 %	4.2 %		0.000 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Standards:

Analysis Index: 6
Analysis Name: 10/1000 Cal Plus
Analysis Type: STD
Analysis Started at: 12/4/2025 2:31:45 PM
Total Dilution Factor 1
Rack 4
Vial 52

Category	Concentration average	Concentration RSD	Standard Concentration	Standard Relative Difference
6Li (STD_DEF)	99.016 %	0.8 %		0.000 %
6Li (KED_DEF)	102.680 %	1.9 %		0.000 %
9Be (STD_DEF)	9.951 ppb	2.1 %	10.000 ppb	0.490 %
11B (STD_DEF)	17.906 ppb	1.0 %	19.000 ppb	5.758 %
23Na (KED_DEF)	943.040 ppb	2.6 %	1,000.000 ppb	5.696 %
24Mg (KED_DEF)	965.172 ppb	8.0 %	1,000.000 ppb	3.483 %
27Al (KED_DEF)	17.143 ppb	1.4 %	19.000 ppb	9.775 %
39K (KED_DEF)	966.667 ppb	4.2 %	1,000.000 ppb	3.333 %
44Ca (KED_DEF)	996.086 ppb	1.2 %	1,000.000 ppb	0.391 %
45Sc (STD_DEF)	98.757 %	1.2 %		0.000 %
45Sc (KED_DEF)	100.001 %	3.4 %		0.000 %
51V (KED_DEF)	10.104 ppb	5.6 %	10.000 ppb	1.036 %
52Cr (KED_DEF)	10.059 ppb	2.4 %	10.000 ppb	0.585 %
55Mn (KED_DEF)	9.960 ppb	2.9 %	10.000 ppb	0.404 %
57Fe (KED_DEF)	986.400 ppb	5.2 %	1,000.000 ppb	1.360 %
59Co (KED_DEF)	9.913 ppb	3.1 %	10.000 ppb	0.872 %
60Ni (STD_DEF)	10.431 ppb	3.6 %	10.000 ppb	4.310 %
65Cu (KED_DEF)	9.929 ppb	5.0 %	10.000 ppb	0.708 %
66Zn (KED_DEF)	11.156 ppb	1.3 %	10.000 ppb	11.557 %
74Ge (STD_DEF)	97.709 %	1.5 %		0.000 %
74Ge (KED_DEF)	96.548 %	4.2 %		0.000 %
75As (KED_DEF)	9.723 ppb	5.1 %	10.000 ppb	2.773 %
78Se (KED_DEF)	10.097 ppb	2.9 %	10.000 ppb	0.974 %
88Sr (KED_DEF)	9.747 ppb	1.3 %	10.000 ppb	2.529 %
95Mo (KED_DEF)	9.344 ppb	1.4 %	10.000 ppb	6.559 %
103Rh (STD_DEF)	99.161 %	4.8 %		0.000 %
103Rh (KED_DEF)	97.858 %	1.4 %		0.000 %
107Ag (KED_DEF)	9.490 ppb	1.4 %	10.000 ppb	5.100 %
111Cd (KED_DEF)	9.447 ppb	1.0 %	10.000 ppb	5.527 %
115In (STD_DEF)	95.121 %	2.3 %		0.000 %
115In (KED_DEF)	98.945 %	2.9 %		0.000 %
118Sn (KED_DEF)	9.555 ppb	2.4 %	10.000 ppb	4.448 %
121Sb (KED_DEF)	9.312 ppb	0.9 %	10.000 ppb	6.877 %
137Ba (KED_DEF)	9.348 ppb	3.9 %	10.000 ppb	6.516 %
159Tb (STD_DEF)	96.543 %	2.4 %		0.000 %
159Tb (KED_DEF)	100.017 %	2.7 %		0.000 %
175Lu (STD_DEF)	97.729 %	3.5 %		0.000 %
175Lu (KED_DEF)	98.900 %	2.9 %		0.000 %
205Tl (KED_DEF)	8.998 ppb	1.7 %	10.000 ppb	10.021 %
208Pb (KED_DEF)	9.497 ppb	3.1 %	10.000 ppb	5.030 %
209Bi (STD_DEF)	97.795 %	3.1 %		0.000 %
209Bi (KED_DEF)	99.153 %	2.5 %		0.000 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Standards:

Analysis Index: 7
Analysis Name: 30/3000 Cal
Analysis Type: STD
Analysis Started at: 12/4/2025 2:36:18 PM
Total Dilution Factor 333.3333333
Rack 4
Vial 53

Category	Concentration average	Concentration RSD	Standard Concentration	Standard Relative Difference
6Li (STD_DEF)	99.747 %	2.6 %		0.000 %
6Li (KED_DEF)	101.214 %	1.1 %		0.000 %
9Be (STD_DEF)	28.849 ppb	1.6 %	30.000 ppb	3.836 %
11B (STD_DEF)	28.939 ppb	2.3 %	30.000 ppb	3.538 %
23Na (KED_DEF)	2,836.905 ppb	2.4 %	3,000.000 ppb	5.436 %
24Mg (KED_DEF)	2,890.399 ppb	5.6 %	3,000.000 ppb	3.653 %
27Al (KED_DEF)	28.180 ppb	10.5 %	30.000 ppb	6.067 %
39K (KED_DEF)	2,920.937 ppb	6.0 %	3,000.000 ppb	2.635 %
44Ca (KED_DEF)	2,863.119 ppb	9.8 %	3,000.000 ppb	4.563 %
45Sc (STD_DEF)	98.469 %	8.5 %		0.000 %
45Sc (KED_DEF)	100.335 %	1.1 %		0.000 %
51V (KED_DEF)	29.058 ppb	4.6 %	30.000 ppb	3.139 %
52Cr (KED_DEF)	29.651 ppb	1.5 %	30.000 ppb	1.162 %
55Mn (KED_DEF)	29.353 ppb	0.9 %	30.000 ppb	2.156 %
57Fe (KED_DEF)	2,872.754 ppb	1.3 %	3,000.000 ppb	4.242 %
59Co (KED_DEF)	30.033 ppb	2.0 %	30.000 ppb	0.109 %
60Ni (STD_DEF)	30.539 ppb	5.9 %	30.000 ppb	1.796 %
65Cu (KED_DEF)	29.758 ppb	2.5 %	30.000 ppb	0.808 %
66Zn (KED_DEF)	30.103 ppb	0.9 %	30.000 ppb	0.343 %
74Ge (STD_DEF)	97.536 %	2.2 %		0.000 %
74Ge (KED_DEF)	99.024 %	3.2 %		0.000 %
75As (KED_DEF)	28.776 ppb	3.6 %	30.000 ppb	4.081 %
78Se (KED_DEF)	28.259 ppb	1.1 %	30.000 ppb	5.803 %
88Sr (KED_DEF)	28.669 ppb	2.3 %	30.000 ppb	4.438 %
95Mo (KED_DEF)	28.266 ppb	1.9 %	30.000 ppb	5.778 %
103Rh (STD_DEF)	96.655 %	1.6 %		0.000 %
103Rh (KED_DEF)	97.138 %	1.5 %		0.000 %
107Ag (KED_DEF)	29.074 ppb	0.2 %	30.000 ppb	3.087 %
111Cd (KED_DEF)	28.486 ppb	3.2 %	30.000 ppb	5.047 %
115In (STD_DEF)	94.867 %	2.4 %		0.000 %
115In (KED_DEF)	98.179 %	3.0 %		0.000 %
118Sn (KED_DEF)	28.772 ppb	2.8 %	30.000 ppb	4.095 %
121Sb (KED_DEF)	28.452 ppb	2.1 %	30.000 ppb	5.160 %
137Ba (KED_DEF)	28.388 ppb	0.6 %	30.000 ppb	5.372 %
159Tb (STD_DEF)	96.190 %	1.8 %		0.000 %
159Tb (KED_DEF)	100.403 %	2.1 %		0.000 %
175Lu (STD_DEF)	98.501 %	0.7 %		0.000 %
175Lu (KED_DEF)	98.603 %	0.4 %		0.000 %
205Tl (KED_DEF)	28.203 ppb	1.3 %	30.000 ppb	5.991 %
208Pb (KED_DEF)	29.017 ppb	1.3 %	30.000 ppb	3.276 %
209Bi (STD_DEF)	95.347 %	1.8 %		0.000 %
209Bi (KED_DEF)	97.665 %	1.8 %		0.000 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Standards:

Analysis Index: 8
Analysis Name: 60/6000 Cal
Analysis Type: STD
Analysis Started at: 12/4/2025 2:40:51 PM
Total Dilution Factor 166.66666666
Rack 4
Vial 54

Category	Concentration average	Concentration RSD	Standard Concentration	Standard Relative Difference
6Li (STD_DEF)	101.600 %	2.3 %		0.000 %
6Li (KED_DEF)	102.621 %	4.0 %		0.000 %
9Be (STD_DEF)	57.672 ppb	2.8 %	60.000 ppb	3.881 %
11B (STD_DEF)	57.852 ppb	4.2 %	60.000 ppb	3.580 %
23Na (KED_DEF)	5,833.872 ppb	2.5 %	6,000.000 ppb	2.769 %
24Mg (KED_DEF)	5,483.665 ppb	4.9 %	6,000.000 ppb	8.606 %
27Al (KED_DEF)	55.007 ppb	6.2 %	60.000 ppb	8.322 %
39K (KED_DEF)	5,515.061 ppb	3.2 %	6,000.000 ppb	8.082 %
44Ca (KED_DEF)	5,714.612 ppb	5.0 %	6,000.000 ppb	4.756 %
45Sc (STD_DEF)	100.972 %	4.7 %		0.000 %
45Sc (KED_DEF)	103.371 %	4.1 %		0.000 %
51V (KED_DEF)	58.151 ppb	4.1 %	60.000 ppb	3.082 %
52Cr (KED_DEF)	57.359 ppb	3.2 %	60.000 ppb	4.402 %
55Mn (KED_DEF)	57.926 ppb	2.3 %	60.000 ppb	3.457 %
57Fe (KED_DEF)	5,765.280 ppb	2.4 %	6,000.000 ppb	3.912 %
59Co (KED_DEF)	58.669 ppb	5.9 %	60.000 ppb	2.218 %
60Ni (STD_DEF)	59.410 ppb	5.2 %	60.000 ppb	0.983 %
65Cu (KED_DEF)	58.948 ppb	3.1 %	60.000 ppb	1.753 %
66Zn (KED_DEF)	58.772 ppb	1.4 %	60.000 ppb	2.047 %
74Ge (STD_DEF)	101.788 %	1.2 %		0.000 %
74Ge (KED_DEF)	98.718 %	2.6 %		0.000 %
75As (KED_DEF)	57.868 ppb	1.4 %	60.000 ppb	3.554 %
78Se (KED_DEF)	58.664 ppb	1.5 %	60.000 ppb	2.227 %
88Sr (KED_DEF)	57.594 ppb	1.1 %	60.000 ppb	4.010 %
95Mo (KED_DEF)	56.997 ppb	4.7 %	60.000 ppb	5.006 %
103Rh (STD_DEF)	100.497 %	1.4 %		0.000 %
103Rh (KED_DEF)	96.699 %	2.5 %		0.000 %
107Ag (KED_DEF)	57.511 ppb	2.2 %	60.000 ppb	4.148 %
111Cd (KED_DEF)	57.009 ppb	1.3 %	60.000 ppb	4.985 %
115In (STD_DEF)	98.504 %	1.5 %		0.000 %
115In (KED_DEF)	97.996 %	4.7 %		0.000 %
118Sn (KED_DEF)	56.989 ppb	3.6 %	60.000 ppb	5.018 %
121Sb (KED_DEF)	56.813 ppb	2.7 %	60.000 ppb	5.312 %
137Ba (KED_DEF)	56.734 ppb	3.1 %	60.000 ppb	5.443 %
159Tb (STD_DEF)	99.732 %	2.1 %		0.000 %
159Tb (KED_DEF)	102.585 %	2.5 %		0.000 %
175Lu (STD_DEF)	103.684 %	2.7 %		0.000 %
175Lu (KED_DEF)	98.362 %	2.4 %		0.000 %
205Tl (KED_DEF)	56.750 ppb	1.4 %	60.000 ppb	5.417 %
208Pb (KED_DEF)	56.572 ppb	3.4 %	60.000 ppb	5.713 %
209Bi (STD_DEF)	99.066 %	3.1 %		0.000 %
209Bi (KED_DEF)	98.597 %	3.5 %		0.000 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Standards:

Analysis Index: 9
Analysis Name: 90/9000 Cal
Analysis Type: STD
Analysis Started at: 12/4/2025 2:45:24 PM
Total Dilution Factor 111.11111111
Rack 4
Vial 55

Category	Concentration average	Concentration RSD	Standard Concentration	Standard Relative Difference
6Li (STD_DEF)	97.890 %	5.0 %		0.000 %
6Li (KED_DEF)	96.920 %	8.5 %		0.000 %
9Be (STD_DEF)	90.185 ppb	7.0 %	90.000 ppb	0.205 %
11B (STD_DEF)	89.129 ppb	6.8 %	90.000 ppb	0.968 %
23Na (KED_DEF)	9,170.791 ppb	7.9 %	9,000.000 ppb	1.898 %
24Mg (KED_DEF)	9,226.177 ppb	15.1 %	9,000.000 ppb	2.513 %
27Al (KED_DEF)	91.922 ppb	11.2 %	90.000 ppb	2.136 %
39K (KED_DEF)	9,188.390 ppb	9.2 %	9,000.000 ppb	2.093 %
44Ca (KED_DEF)	9,007.442 ppb	9.2 %	9,000.000 ppb	0.083 %
45Sc (STD_DEF)	101.512 %	5.6 %		0.000 %
45Sc (KED_DEF)	98.616 %	7.6 %		0.000 %
51V (KED_DEF)	93.587 ppb	10.8 %	90.000 ppb	3.986 %
52Cr (KED_DEF)	91.549 ppb	7.6 %	90.000 ppb	1.721 %
55Mn (KED_DEF)	91.533 ppb	8.2 %	90.000 ppb	1.703 %
57Fe (KED_DEF)	9,058.387 ppb	9.4 %	9,000.000 ppb	0.649 %
59Co (KED_DEF)	92.616 ppb	12.3 %	90.000 ppb	2.906 %
60Ni (STD_DEF)	91.215 ppb	7.4 %	90.000 ppb	1.350 %
65Cu (KED_DEF)	90.761 ppb	10.6 %	90.000 ppb	0.846 %
66Zn (KED_DEF)	91.326 ppb	8.9 %	90.000 ppb	1.474 %
74Ge (STD_DEF)	99.647 %	5.4 %		0.000 %
74Ge (KED_DEF)	96.020 %	6.8 %		0.000 %
75As (KED_DEF)	91.685 ppb	7.4 %	90.000 ppb	1.872 %
78Se (KED_DEF)	90.028 ppb	6.4 %	90.000 ppb	0.031 %
88Sr (KED_DEF)	90.690 ppb	7.3 %	90.000 ppb	0.766 %
95Mo (KED_DEF)	90.258 ppb	9.8 %	90.000 ppb	0.287 %
103Rh (STD_DEF)	99.521 %	8.4 %		0.000 %
103Rh (KED_DEF)	93.957 %	7.3 %		0.000 %
107Ag (KED_DEF)	91.520 ppb	8.3 %	90.000 ppb	1.689 %
111Cd (KED_DEF)	91.770 ppb	7.6 %	90.000 ppb	1.967 %
115In (STD_DEF)	95.931 %	9.4 %		0.000 %
115In (KED_DEF)	93.792 %	8.7 %		0.000 %
118Sn (KED_DEF)	91.183 ppb	7.5 %	90.000 ppb	1.314 %
121Sb (KED_DEF)	91.071 ppb	10.2 %	90.000 ppb	1.191 %
137Ba (KED_DEF)	90.491 ppb	11.7 %	90.000 ppb	0.545 %
159Tb (STD_DEF)	99.715 %	8.9 %		0.000 %
159Tb (KED_DEF)	96.873 %	8.8 %		0.000 %
175Lu (STD_DEF)	98.994 %	8.1 %		0.000 %
175Lu (KED_DEF)	96.149 %	7.6 %		0.000 %
205Tl (KED_DEF)	92.875 ppb	7.6 %	90.000 ppb	3.194 %
208Pb (KED_DEF)	91.741 ppb	9.2 %	90.000 ppb	1.935 %
209Bi (STD_DEF)	95.935 %	3.9 %		0.000 %
209Bi (KED_DEF)	93.465 %	8.2 %		0.000 %

Standards:

Analysis Index: 10
Analysis Name: 120/120000 Cal
Analysis Type: STD
Analysis Started at: 12/4/2025 2:49:57 PM
Total Dilution Factor 83.33333333
Rack 4
Vial 56

Category	Concentration average	Concentration RSD	Standard Concentration	Standard Relative Difference
6Li (STD_DEF)	97.441 %	1.3 %		0.000 %
6Li (KED_DEF)	96.209 %	5.1 %		0.000 %
9Be (STD_DEF)	121.318 ppb	0.5 %	120.000 ppb	1.098 %
11B (STD_DEF)	122.191 ppb	2.1 %	120.000 ppb	1.825 %
23Na (KED_DEF)	12,000.835 ppb	8.2 %	12,000.000 ppb	0.007 %
24Mg (KED_DEF)	12,118.854 ppb	10.7 %	12,000.000 ppb	0.990 %
27Al (KED_DEF)	121.901 ppb	10.1 %	120.000 ppb	1.584 %
39K (KED_DEF)	12,123.783 ppb	15.6 %	12,000.000 ppb	1.032 %
44Ca (KED_DEF)	12,171.629 ppb	6.0 %	12,000.000 ppb	1.430 %
45Sc (STD_DEF)	99.725 %	5.6 %		0.000 %
45Sc (KED_DEF)	100.354 %	10.2 %		0.000 %
51V (KED_DEF)	118.468 ppb	11.4 %	120.000 ppb	1.277 %
52Cr (KED_DEF)	120.241 ppb	8.0 %	120.000 ppb	0.201 %
55Mn (KED_DEF)	120.052 ppb	10.5 %	120.000 ppb	0.043 %
57Fe (KED_DEF)	12,106.587 ppb	10.2 %	12,000.000 ppb	0.888 %
59Co (KED_DEF)	118.703 ppb	8.9 %	120.000 ppb	1.081 %
60Ni (STD_DEF)	119.211 ppb	3.2 %	120.000 ppb	0.658 %
65Cu (KED_DEF)	120.022 ppb	9.0 %	120.000 ppb	0.018 %
66Zn (KED_DEF)	119.438 ppb	9.4 %	120.000 ppb	0.468 %
74Ge (STD_DEF)	101.819 %	3.4 %		0.000 %
74Ge (KED_DEF)	98.628 %	7.8 %		0.000 %
75As (KED_DEF)	120.133 ppb	8.0 %	120.000 ppb	0.111 %
78Se (KED_DEF)	121.103 ppb	9.0 %	120.000 ppb	0.919 %
88Sr (KED_DEF)	121.040 ppb	6.1 %	120.000 ppb	0.867 %
95Mo (KED_DEF)	121.799 ppb	8.3 %	120.000 ppb	1.499 %
103Rh (STD_DEF)	96.455 %	2.6 %		0.000 %
103Rh (KED_DEF)	92.921 %	6.8 %		0.000 %
107Ag (KED_DEF)	120.379 ppb	10.1 %	120.000 ppb	0.316 %
111Cd (KED_DEF)	120.593 ppb	9.1 %	120.000 ppb	0.494 %
115In (STD_DEF)	94.275 %	4.1 %		0.000 %
115In (KED_DEF)	96.178 %	7.5 %		0.000 %
118Sn (KED_DEF)	120.970 ppb	8.5 %	120.000 ppb	0.808 %
121Sb (KED_DEF)	121.242 ppb	8.2 %	120.000 ppb	1.035 %
137Ba (KED_DEF)	121.723 ppb	9.0 %	120.000 ppb	1.435 %
159Tb (STD_DEF)	95.738 %	4.3 %		0.000 %
159Tb (KED_DEF)	97.451 %	9.4 %		0.000 %
175Lu (STD_DEF)	100.016 %	4.6 %		0.000 %
175Lu (KED_DEF)	97.432 %	8.7 %		0.000 %
205Tl (KED_DEF)	120.003 ppb	7.6 %	120.000 ppb	0.002 %
208Pb (KED_DEF)	120.696 ppb	9.9 %	120.000 ppb	0.580 %
209Bi (STD_DEF)	92.821 %	0.9 %		0.000 %
209Bi (KED_DEF)	95.438 %	9.2 %		0.000 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 1 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: Rinse Rack 0
Analysis started at: 12/4/2025 2:08:49 PM Vial 1

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	97.732 %	104.339 %	0.005 ppb	0.139 ppb	18.355 ppb	5.523 ppb	4.596 ppb	3.441 ppb	16.903 ppb
Concentration per Run 1	94.711 %	101.733 %	0.004 ppb	0.161 ppb	25.107 ppb	6.422 ppb	4.881 ppb	7.688 ppb	14.744 ppb
Concentration per Run 2	97.977 %	103.776 %	0.007 ppb	0.131 ppb	20.693 ppb	4.558 ppb	3.909 ppb	2.224 ppb	23.652 ppb
Concentration per Run 3	100.508 %	107.508 %	0.004 ppb	0.124 ppb	9.265 ppb	5.590 ppb	4.999 ppb	0.410 ppb	12.312 ppb
Concentration RSD	3.0 %	2.8 %	35.2 %	14.4 %	44.5 %	16.9 %	13.0 %	110.1 %	35.3 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	98.606 %	108.525 %	0.034 ppb	0.017 ppb	0.085 ppb	14.807 ppb	-0.001 ppb	0.155 ppb	0.096 ppb
Concentration per Run 1	89.854 %	102.552 %	0.070 ppb	0.009 ppb	0.091 ppb	16.529 ppb	-0.001 ppb	0.166 ppb	0.103 ppb
Concentration per Run 2	99.645 %	107.630 %	0.041 ppb	0.020 ppb	0.080 ppb	15.469 ppb	-0.002 ppb	0.181 ppb	0.117 ppb
Concentration per Run 3	106.317 %	115.393 %	-0.009 ppb	0.023 ppb	0.083 ppb	12.423 ppb	0.002 ppb	0.118 ppb	0.069 ppb
Concentration RSD	8.4 %	6.0 %	116.0 %	42.3 %	6.5 %	14.4 %	298.6 %	21.1 %	25.6 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.412 ppb	100.160 %	105.020 %	0.011 ppb	0.016 ppb	0.012 ppb	0.128 ppb	101.785 %	101.288 %
Concentration per Run 1	0.501 ppb	96.137 %	97.410 %	-0.030 ppb	-0.008 ppb	0.017 ppb	0.095 ppb	99.857 %	90.830 %
Concentration per Run 2	0.404 ppb	100.768 %	104.561 %	0.055 ppb	0.071 ppb	0.012 ppb	0.120 ppb	105.428 %	105.658 %
Concentration per Run 3	0.331 ppb	103.574 %	113.088 %	0.009 ppb	-0.015 ppb	0.008 ppb	0.170 ppb	100.071 %	107.377 %
Concentration RSD	20.8 %	3.7 %	7.5 %	381.1 %	303.8 %	35.2 %	29.7 %	3.1 %	9.0 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.001 ppb	0.000 ppb	96.162 %	105.564 %	0.162 ppb	0.003 ppb	0.059 ppb	94.414 %	104.922 %
Concentration per Run 1	0.004 ppb	0.001 ppb	91.962 %	95.944 %	0.215 ppb	0.002 ppb	0.049 ppb	91.892 %	93.812 %
Concentration per Run 2	-0.001 ppb	-0.001 ppb	98.860 %	109.546 %	0.117 ppb	0.003 ppb	0.048 ppb	96.662 %	110.161 %
Concentration per Run 3	0.000 ppb	-0.001 ppb	97.663 %	111.201 %	0.153 ppb	0.004 ppb	0.081 ppb	94.689 %	110.792 %
Concentration RSD	255.3 %	201.5 %	3.8 %	7.9 %	30.8 %	41.5 %	31.2 %	2.5 %	9.2 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	98.265 %	104.806 %	0.001 ppb	0.043 ppb	96.011 %	102.776 %
Concentration per Run 1	97.730 %	97.966 %	0.000 ppb	0.047 ppb	94.321 %	94.267 %
Concentration per Run 2	98.573 %	107.343 %	0.003 ppb	0.042 ppb	94.526 %	106.571 %
Concentration per Run 3	98.493 %	109.109 %	0.001 ppb	0.039 ppb	99.186 %	107.489 %
Concentration RSD	0.5 %	5.7 %	103.8 %	9.6 %	2.9 %	7.2 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 2 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: CAL LOT M25-1019 Rack 0
Analysis started at: 12/4/2025 2:13:19 PM Vial 1

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	97.542 %	104.191 %	0.005 ppb	0.137 ppb	14.927 ppb	4.746 ppb	4.505 ppb	1.578 ppb	9.619 ppb
Concentration per Run 1	97.792 %	101.199 %	0.006 ppb	0.147 ppb	17.579 ppb	5.270 ppb	4.337 ppb	3.750 ppb	8.525 ppb
Concentration per Run 2	96.241 %	103.643 %	0.002 ppb	0.143 ppb	14.791 ppb	5.678 ppb	3.461 ppb	0.673 ppb	12.725 ppb
Concentration per Run 3	98.593 %	107.730 %	0.006 ppb	0.120 ppb	12.411 ppb	3.289 ppb	5.718 ppb	0.310 ppb	7.608 ppb
Concentration RSD	1.2 %	3.2 %	42.3 %	10.8 %	17.3 %	26.9 %	25.3 %	119.8 %	28.4 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	96.127 %	102.425 %	0.041 ppb	0.030 ppb	0.075 ppb	14.398 ppb	0.001 ppb	0.111 ppb	0.083 ppb
Concentration per Run 1	100.566 %	98.511 %	0.040 ppb	0.043 ppb	0.081 ppb	15.619 ppb	0.001 ppb	0.098 ppb	0.080 ppb
Concentration per Run 2	88.776 %	104.698 %	0.023 ppb	0.029 ppb	0.078 ppb	13.993 ppb	0.000 ppb	0.124 ppb	0.069 ppb
Concentration per Run 3	99.039 %	104.067 %	0.059 ppb	0.017 ppb	0.065 ppb	13.583 ppb	0.002 ppb	0.110 ppb	0.098 ppb
Concentration RSD	6.7 %	3.3 %	43.7 %	42.7 %	11.2 %	7.5 %	108.0 %	12.0 %	17.7 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.426 ppb	96.808 %	100.885 %	-0.050 ppb	0.031 ppb	0.000 ppb	0.108 ppb	98.409 %	103.443 %
Concentration per Run 1	0.471 ppb	97.922 %	98.467 %	-0.134 ppb	0.130 ppb	-0.001 ppb	0.082 ppb	101.283 %	101.276 %
Concentration per Run 2	0.352 ppb	96.901 %	102.208 %	-0.026 ppb	0.008 ppb	-0.005 ppb	0.115 ppb	97.869 %	103.864 %
Concentration per Run 3	0.454 ppb	95.601 %	101.979 %	0.009 ppb	-0.045 ppb	0.005 ppb	0.128 ppb	96.074 %	105.189 %
Concentration RSD	15.1 %	1.2 %	2.1 %	147.8 %	290.7 %	1,027.4 %	22.0 %	2.7 %	1.9 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	-0.001 ppb	0.000 ppb	94.476 %	101.467 %	0.163 ppb	0.003 ppb	0.069 ppb	95.427 %	101.621 %
Concentration per Run 1	0.002 ppb	0.000 ppb	95.760 %	100.103 %	0.169 ppb	0.000 ppb	0.068 ppb	97.189 %	99.283 %
Concentration per Run 2	-0.001 ppb	-0.001 ppb	94.516 %	102.703 %	0.163 ppb	0.005 ppb	0.073 ppb	92.262 %	102.727 %
Concentration per Run 3	-0.004 ppb	0.000 ppb	93.151 %	101.594 %	0.158 ppb	0.003 ppb	0.067 ppb	96.831 %	102.854 %
Concentration RSD	282.4 %	33,072.5 %	1.4 %	1.3 %	3.3 %	99.2 %	5.1 %	2.9 %	2.0 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	95.360 %	99.251 %	0.001 ppb	0.041 ppb	94.709 %	100.012 %
Concentration per Run 1	100.345 %	97.452 %	0.000 ppb	0.042 ppb	98.248 %	97.075 %
Concentration per Run 2	92.155 %	99.302 %	0.001 ppb	0.039 ppb	90.411 %	101.392 %
Concentration per Run 3	93.579 %	101.000 %	0.000 ppb	0.041 ppb	95.469 %	101.570 %
Concentration RSD	4.6 %	1.8 %	71.8 %	3.5 %	4.2 %	2.5 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	3	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	Blank TAA ICPMSRQ	Rack	4		
Analysis started at:	12/4/2025 2:17:48 PM	Vial	49		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	100.000 %	100.000 %	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb
Concentration per Run	100.000 %	100.000 %	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb
Concentration RSD	0.0 %	0.0 %	0.3 %	0.0 %	0.0 %	0.2 %	0.5 %	0.0 %	0.3 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	100.000 %	100.000 %	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb
Concentration per Run	100.000 %	100.000 %	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb
Concentration RSD	0.1 %	0.0 %	0.1 %	0.1 %	0.0 %	0.2 %	0.9 %	0.2 %	0.3 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.000 ppb	100.000 %	100.000 %	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb	100.000 %	100.000 %
Concentration per Run	0.000 ppb	100.000 %	100.000 %	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb	100.000 %	100.000 %
Concentration RSD	0.1 %	0.0 %	0.0 %	0.4 %	1.1 %	0.2 %	0.4 %	0.0 %	0.0 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.000 ppb	0.000 ppb	100.000 %	100.000 %	0.000 ppb	0.000 ppb	0.000 ppb	100.000 %	100.000 %
Concentration per Run	0.000 ppb	0.000 ppb	100.000 %	100.000 %	0.000 ppb	0.000 ppb	0.000 ppb	100.000 %	100.000 %
Concentration RSD	0.3 %	0.9 %	0.0 %	0.0 %	0.0 %	0.3 %	1.1 %	0.0 %	0.0 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	100.000 %	100.000 %	0.000 ppb	0.000 ppb	100.000 %	100.000 %
Concentration per Run	100.000 %	100.000 %	0.000 ppb	0.000 ppb	100.000 %	100.000 %
Concentration RSD	0.0 %	0.0 %	0.6 %	0.1 %	0.0 %	0.0 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	4	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	0.2/20 Cal Plus	Rack	4		
Analysis started at:	12/4/2025 2:22:39 PM	Vial	50		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	100.615 %	101.496 %	0.194 ppb	N/A	N/A	63.657 ppb	N/A	94.993 ppb	89.912 ppb
Concentration per Run 1	102.537 %	102.932 %	0.198 ppb	N/A	N/A	61.086 ppb	N/A	96.306 ppb	90.021 ppb
Concentration per Run 2	100.641 %	100.267 %	0.188 ppb	N/A	N/A	64.134 ppb	N/A	100.764 ppb	90.691 ppb
Concentration per Run 3	98.665 %	101.288 %	0.197 ppb	N/A	N/A	65.752 ppb	N/A	87.908 ppb	89.025 ppb
Concentration RSD	1.9 %	1.3 %	2.9 %	N/A	N/A	3.7 %	N/A	6.9 %	0.9 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	108.494 %	103.722 %	N/A	N/A	N/A	47.381 ppb	0.512 ppb	N/A	N/A
Concentration per Run 1	115.080 %	99.702 %	N/A	N/A	N/A	47.142 ppb	0.553 ppb	N/A	N/A
Concentration per Run 2	101.479 %	103.095 %	N/A	N/A	N/A	48.220 ppb	0.490 ppb	N/A	N/A
Concentration per Run 3	108.922 %	108.368 %	N/A	N/A	N/A	46.780 ppb	0.492 ppb	N/A	N/A
Concentration RSD	6.3 %	4.2 %	N/A	N/A	N/A	1.6 %	6.9 %	N/A	N/A

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	N/A	103.613 %	101.649 %	0.463 ppb	N/A	0.472 ppb	N/A	104.936 %	101.949 %
Concentration per Run 1	N/A	103.606 %	99.456 %	0.533 ppb	N/A	0.499 ppb	N/A	105.810 %	97.457 %
Concentration per Run 2	N/A	102.787 %	103.303 %	0.345 ppb	N/A	0.438 ppb	N/A	104.851 %	104.768 %
Concentration per Run 3	N/A	104.445 %	102.188 %	0.512 ppb	N/A	0.479 ppb	N/A	104.147 %	103.622 %
Concentration RSD	N/A	0.8 %	1.9 %	22.3 %	N/A	6.5 %	N/A	0.8 %	3.9 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.189 ppb	0.175 ppb	101.751 %	103.609 %	N/A	N/A	0.448 ppb	98.314 %	103.700 %
Concentration per Run 1	0.190 ppb	0.186 ppb	104.502 %	100.098 %	N/A	N/A	0.414 ppb	99.914 %	98.546 %
Concentration per Run 2	0.194 ppb	0.166 ppb	100.036 %	104.647 %	N/A	N/A	0.465 ppb	99.644 %	105.027 %
Concentration per Run 3	0.183 ppb	0.173 ppb	100.714 %	106.083 %	N/A	N/A	0.464 ppb	95.385 %	107.525 %
Concentration RSD	3.0 %	5.9 %	2.4 %	3.0 %	N/A	N/A	6.5 %	2.6 %	4.5 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	104.429 %	100.560 %	N/A	N/A	103.567 %	103.802 %
Concentration per Run 1	103.470 %	98.230 %	N/A	N/A	102.233 %	101.710 %
Concentration per Run 2	109.876 %	100.923 %	N/A	N/A	104.147 %	103.903 %
Concentration per Run 3	99.941 %	102.527 %	N/A	N/A	104.320 %	105.792 %
Concentration RSD	4.8 %	2.2 %	N/A	N/A	1.1 %	2.0 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	5	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	1/100 Cal Plus	Rack	4		
Analysis started at:	12/4/2025 2:27:12 PM	Vial	51		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	100.016 %	99.452 %	0.964 ppb	9.706 ppb	491.742 ppb	151.616 ppb	8.834 ppb	178.617 ppb	187.553 ppb
Concentration per Run 1	100.440 %	94.891 %	0.959 ppb	9.415 ppb	520.162 ppb	162.786 ppb	10.092 ppb	189.094 ppb	204.521 ppb
Concentration per Run 2	105.108 %	101.510 %	0.944 ppb	9.119 ppb	471.516 ppb	142.055 ppb	8.485 ppb	169.229 ppb	178.652 ppb
Concentration per Run 3	94.501 %	101.955 %	0.988 ppb	10.583 ppb	483.547 ppb	150.008 ppb	7.925 ppb	177.527 ppb	179.485 ppb
Concentration RSD	5.3 %	4.0 %	2.3 %	8.0 %	5.2 %	6.9 %	12.7 %	5.6 %	7.8 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	100.626 %	101.733 %	4.832 ppb	1.014 ppb	1.064 ppb	124.329 ppb	1.280 ppb	2.133 ppb	0.992 ppb
Concentration per Run 1	107.282 %	96.717 %	4.807 ppb	1.001 ppb	1.090 ppb	125.285 ppb	1.353 ppb	2.235 ppb	0.975 ppb
Concentration per Run 2	100.850 %	102.705 %	4.875 ppb	1.059 ppb	1.041 ppb	125.629 ppb	1.223 ppb	2.031 ppb	1.058 ppb
Concentration per Run 3	93.745 %	105.777 %	4.815 ppb	0.981 ppb	1.061 ppb	122.072 ppb	1.264 ppb	2.134 ppb	0.942 ppb
Concentration RSD	6.7 %	4.5 %	0.8 %	4.0 %	2.3 %	1.6 %	5.2 %	4.8 %	6.0 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	6.421 ppb	101.259 %	101.225 %	1.145 ppb	4.311 ppb	1.250 ppb	1.821 ppb	105.174 %	101.026 %
Concentration per Run 1	6.867 ppb	104.645 %	98.316 %	1.052 ppb	4.418 ppb	1.284 ppb	1.713 ppb	106.480 %	99.981 %
Concentration per Run 2	6.127 ppb	103.374 %	101.868 %	1.168 ppb	4.081 ppb	1.202 ppb	1.946 ppb	107.072 %	100.946 %
Concentration per Run 3	6.270 ppb	95.757 %	103.492 %	1.214 ppb	4.434 ppb	1.263 ppb	1.805 ppb	101.969 %	102.150 %
Concentration RSD	6.1 %	4.7 %	2.6 %	7.3 %	4.6 %	3.4 %	6.4 %	2.7 %	1.1 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.945 ppb	0.946 ppb	99.897 %	102.711 %	2.703 ppb	3.764 ppb	1.280 ppb	97.526 %	102.396 %
Concentration per Run 1	0.972 ppb	1.008 ppb	100.835 %	98.753 %	2.784 ppb	3.927 ppb	1.384 ppb	98.088 %	98.393 %
Concentration per Run 2	0.942 ppb	0.949 ppb	103.712 %	103.130 %	2.663 ppb	3.637 ppb	1.240 ppb	103.542 %	103.312 %
Concentration per Run 3	0.919 ppb	0.880 ppb	95.145 %	106.249 %	2.663 ppb	3.728 ppb	1.216 ppb	90.948 %	105.483 %
Concentration RSD	2.8 %	6.8 %	4.4 %	3.7 %	2.6 %	3.9 %	7.1 %	6.5 %	3.5 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	102.356 %	99.574 %	0.926 ppb	0.970 ppb	100.176 %	99.413 %
Concentration per Run 1	104.365 %	96.759 %	0.926 ppb	1.009 ppb	103.174 %	94.614 %
Concentration per Run 2	105.874 %	99.643 %	0.932 ppb	0.941 ppb	101.229 %	101.436 %
Concentration per Run 3	96.829 %	102.320 %	0.919 ppb	0.962 ppb	96.124 %	102.190 %
Concentration RSD	4.7 %	2.8 %	0.7 %	3.6 %	3.6 %	4.2 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	6	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	10/1000 Cal Plus	Rack	4		
Analysis started at:	12/4/2025 2:31:45 PM	Vial	52		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	99.016 %	102.680 %	9.951 ppb	17.906 ppb	943.040 ppb	965.172 ppb	17.143 ppb	966.667 ppb	996.086 ppb
Concentration per Run 1	99.257 %	100.444 %	9.918 ppb	17.764 ppb	965.523 ppb	1,047.418 ppb	17.150 ppb	1,010.794 ppb	985.258 ppb
Concentration per Run 2	98.163 %	103.821 %	10.179 ppb	18.117 ppb	946.858 ppb	954.356 ppb	17.379 ppb	957.530 ppb	1,008.673 ppb
Concentration per Run 3	99.627 %	103.776 %	9.757 ppb	17.836 ppb	916.737 ppb	893.741 ppb	16.899 ppb	931.676 ppb	994.326 ppb
Concentration RSD	0.8 %	1.9 %	2.1 %	1.0 %	2.6 %	8.0 %	1.4 %	4.2 %	1.2 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	98.757 %	100.001 %	10.104 ppb	10.059 ppb	9.960 ppb	986.400 ppb	9.913 ppb	10.431 ppb	9.929 ppb
Concentration per Run 1	98.093 %	96.673 %	10.705 ppb	10.258 ppb	10.235 ppb	1,045.432 ppb	10.158 ppb	10.859 ppb	10.450 ppb
Concentration per Run 2	98.082 %	99.805 %	10.030 ppb	10.123 ppb	9.976 ppb	961.792 ppb	10.014 ppb	10.302 ppb	9.868 ppb
Concentration per Run 3	100.095 %	103.524 %	9.576 ppb	9.795 ppb	9.668 ppb	951.978 ppb	9.567 ppb	10.132 ppb	9.469 ppb
Concentration RSD	1.2 %	3.4 %	5.6 %	2.4 %	2.9 %	5.2 %	3.1 %	3.6 %	5.0 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	11.156 ppb	97.709 %	96.548 %	9.723 ppb	10.097 ppb	9.747 ppb	9.344 ppb	99.161 %	97.858 %
Concentration per Run 1	11.214 ppb	98.291 %	91.837 %	10.297 ppb	10.432 ppb	9.884 ppb	9.471 ppb	100.342 %	96.301 %
Concentration per Run 2	11.268 ppb	96.032 %	98.775 %	9.395 ppb	9.985 ppb	9.712 ppb	9.359 ppb	93.931 %	98.766 %
Concentration per Run 3	10.985 ppb	98.805 %	99.033 %	9.476 ppb	9.876 ppb	9.645 ppb	9.202 ppb	103.209 %	98.507 %
Concentration RSD	1.3 %	1.5 %	4.2 %	5.1 %	2.9 %	1.3 %	1.4 %	4.8 %	1.4 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	9.490 ppb	9.447 ppb	95.121 %	98.945 %	9.555 ppb	9.312 ppb	9.348 ppb	96.543 %	100.017 %
Concentration per Run 1	9.645 ppb	9.549 ppb	97.572 %	97.202 %	9.754 ppb	9.405 ppb	9.689 ppb	94.939 %	97.239 %
Concentration per Run 2	9.431 ppb	9.438 ppb	94.213 %	97.373 %	9.611 ppb	9.299 ppb	9.396 ppb	95.549 %	100.177 %
Concentration per Run 3	9.394 ppb	9.355 ppb	93.580 %	102.261 %	9.300 ppb	9.233 ppb	8.959 ppb	99.142 %	102.633 %
Concentration RSD	1.4 %	1.0 %	2.3 %	2.9 %	2.4 %	0.9 %	3.9 %	2.4 %	2.7 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	97.729 %	98.900 %	8.998 ppb	9.497 ppb	97.795 %	99.153 %
Concentration per Run 1	95.058 %	95.872 %	8.944 ppb	9.734 ppb	100.351 %	96.976 %
Concentration per Run 2	96.495 %	99.319 %	9.175 ppb	9.586 ppb	94.485 %	98.651 %
Concentration per Run 3	101.634 %	101.509 %	8.875 ppb	9.171 ppb	98.550 %	101.832 %
Concentration RSD	3.5 %	2.9 %	1.7 %	3.1 %	3.1 %	2.5 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	7	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	30/3000 Cal	Rack	4		
Analysis started at:	12/4/2025 2:36:18 PM	Vial	53		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	99.747 %	101.214 %	28.849 ppb	28.939 ppb	2,836.905 ppb	2,890.399 ppb	28.180 ppb	2,920.937 ppb	2,863.119 ppb
Concentration per Run 1	97.227 %	101.288 %	29.381 ppb	29.463 ppb	2,848.345 ppb	2,936.836 ppb	28.020 ppb	2,928.404 ppb	2,668.452 ppb
Concentration per Run 2	99.561 %	102.310 %	28.516 ppb	29.171 ppb	2,762.507 ppb	2,711.319 ppb	31.220 ppb	2,741.586 ppb	3,184.489 ppb
Concentration per Run 3	102.453 %	100.044 %	28.650 ppb	28.182 ppb	2,899.864 ppb	3,023.042 ppb	25.300 ppb	3,092.820 ppb	2,736.417 ppb
Concentration RSD	2.6 %	1.1 %	1.6 %	2.3 %	2.4 %	5.6 %	10.5 %	6.0 %	9.8 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	98.469 %	100.335 %	29.058 ppb	29.651 ppb	29.353 ppb	2,872.754 ppb	30.033 ppb	30.539 ppb	29.758 ppb
Concentration per Run 1	105.525 %	99.038 %	27.817 ppb	29.603 ppb	29.220 ppb	2,832.072 ppb	30.579 ppb	29.020 ppb	29.882 ppb
Concentration per Run 2	89.219 %	100.926 %	28.899 ppb	29.230 ppb	29.169 ppb	2,880.924 ppb	29.380 ppb	32.545 ppb	28.971 ppb
Concentration per Run 3	100.664 %	101.041 %	30.458 ppb	30.122 ppb	29.670 ppb	2,905.266 ppb	30.139 ppb	30.052 ppb	30.420 ppb
Concentration RSD	8.5 %	1.1 %	4.6 %	1.5 %	0.9 %	1.3 %	2.0 %	5.9 %	2.5 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	30.103 ppb	97.536 %	99.024 %	28.776 ppb	28.259 ppb	28.669 ppb	28.266 ppb	96.655 %	97.138 %
Concentration per Run 1	30.221 ppb	98.908 %	96.356 %	29.600 ppb	28.594 ppb	29.234 ppb	28.898 ppb	97.966 %	95.539 %
Concentration per Run 2	29.793 ppb	95.094 %	102.529 %	27.623 ppb	27.979 ppb	27.952 ppb	27.947 ppb	97.089 %	98.253 %
Concentration per Run 3	30.294 ppb	98.606 %	98.185 %	29.104 ppb	28.204 ppb	28.820 ppb	27.954 ppb	94.908 %	97.623 %
Concentration RSD	0.9 %	2.2 %	3.2 %	3.6 %	1.1 %	2.3 %	1.9 %	1.6 %	1.5 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	29.074 ppb	28.486 ppb	94.867 %	98.179 %	28.772 ppb	28.452 ppb	28.388 ppb	96.190 %	100.403 %
Concentration per Run 1	29.094 ppb	28.728 ppb	92.455 %	95.526 %	29.491 ppb	28.798 ppb	28.596 ppb	94.214 %	98.622 %
Concentration per Run 2	29.017 ppb	29.257 ppb	97.057 %	97.610 %	28.919 ppb	28.780 ppb	28.294 ppb	97.416 %	99.879 %
Concentration per Run 3	29.111 ppb	27.473 ppb	95.088 %	101.400 %	27.905 ppb	27.777 ppb	28.276 ppb	96.942 %	102.709 %
Concentration RSD	0.2 %	3.2 %	2.4 %	3.0 %	2.8 %	2.1 %	0.6 %	1.8 %	2.1 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	98.501 %	98.603 %	28.203 ppb	29.017 ppb	95.347 %	97.665 %
Concentration per Run 1	97.902 %	98.291 %	27.821 ppb	29.320 ppb	96.887 %	96.111 %
Concentration per Run 2	99.237 %	99.021 %	28.523 ppb	29.142 ppb	93.426 %	97.299 %
Concentration per Run 3	98.364 %	98.496 %	28.264 ppb	28.589 ppb	95.728 %	99.586 %
Concentration RSD	0.7 %	0.4 %	1.3 %	1.3 %	1.8 %	1.8 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	8	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	60/6000 Cal	Rack	4		
Analysis started at:	12/4/2025 2:40:51 PM	Vial	54		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	101.600 %	102.621 %	57.672 ppb	57.852 ppb	5,833.872 ppb	5,483.665 ppb	55.007 ppb	5,515.061 ppb	5,714.612 ppb
Concentration per Run 1	99.238 %	98.445 %	59.544 ppb	60.403 ppb	6,000.260 ppb	5,696.550 ppb	51.358 ppb	5,712.209 ppb	6,041.130 ppb
Concentration per Run 2	101.653 %	102.799 %	56.529 ppb	57.566 ppb	5,723.709 ppb	5,570.601 ppb	58.109 ppb	5,470.869 ppb	5,578.080 ppb
Concentration per Run 3	103.908 %	106.620 %	56.942 ppb	55.587 ppb	5,777.646 ppb	5,183.844 ppb	55.554 ppb	5,362.105 ppb	5,524.626 ppb
Concentration RSD	2.3 %	4.0 %	2.8 %	4.2 %	2.5 %	4.9 %	6.2 %	3.2 %	5.0 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	100.972 %	103.371 %	58.151 ppb	57.359 ppb	57.926 ppb	5,765.280 ppb	58.669 ppb	59.410 ppb	58.948 ppb
Concentration per Run 1	96.219 %	98.889 %	60.795 ppb	59.387 ppb	59.448 ppb	5,812.769 ppb	62.401 ppb	60.670 ppb	60.849 ppb
Concentration per Run 2	101.050 %	103.800 %	56.129 ppb	56.797 ppb	57.455 ppb	5,611.221 ppb	58.036 ppb	61.702 ppb	58.763 ppb
Concentration per Run 3	105.649 %	107.423 %	57.529 ppb	55.892 ppb	56.875 ppb	5,871.850 ppb	55.571 ppb	55.859 ppb	57.232 ppb
Concentration RSD	4.7 %	4.1 %	4.1 %	3.2 %	2.3 %	2.4 %	5.9 %	5.2 %	3.1 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	58.772 ppb	101.788 %	98.718 %	57.868 ppb	58.664 ppb	57.594 ppb	56.997 ppb	100.497 %	96.699 %
Concentration per Run 1	59.597 ppb	100.807 %	95.858 %	58.723 ppb	59.178 ppb	57.905 ppb	60.014 ppb	99.578 %	94.561 %
Concentration per Run 2	57.976 ppb	103.150 %	100.764 %	57.129 ppb	57.676 ppb	56.844 ppb	54.945 ppb	102.159 %	96.215 %
Concentration per Run 3	58.741 ppb	101.406 %	99.531 %	57.752 ppb	59.137 ppb	58.033 ppb	56.031 ppb	99.752 %	99.322 %
Concentration RSD	1.4 %	1.2 %	2.6 %	1.4 %	1.5 %	1.1 %	4.7 %	1.4 %	2.5 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	57.511 ppb	57.009 ppb	98.504 %	97.996 %	56.989 ppb	56.813 ppb	56.734 ppb	99.732 %	102.585 %
Concentration per Run 1	58.383 ppb	57.861 ppb	99.752 %	93.044 %	59.298 ppb	58.592 ppb	58.701 ppb	98.411 %	99.647 %
Concentration per Run 2	58.065 ppb	56.607 ppb	98.887 %	98.871 %	55.313 ppb	55.791 ppb	55.317 ppb	102.137 %	103.670 %
Concentration per Run 3	56.086 ppb	56.559 ppb	96.875 %	102.074 %	56.357 ppb	56.056 ppb	56.185 ppb	98.647 %	104.439 %
Concentration RSD	2.2 %	1.3 %	1.5 %	4.7 %	3.6 %	2.7 %	3.1 %	2.1 %	2.5 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	103.684 %	98.362 %	56.750 ppb	56.572 ppb	99.066 %	98.597 %
Concentration per Run 1	105.717 %	95.683 %	57.193 ppb	58.553 ppb	102.286 %	95.327 %
Concentration per Run 2	104.897 %	99.510 %	57.247 ppb	56.455 ppb	96.215 %	98.344 %
Concentration per Run 3	100.438 %	99.892 %	55.809 ppb	54.708 ppb	98.698 %	102.119 %
Concentration RSD	2.7 %	2.4 %	1.4 %	3.4 %	3.1 %	3.5 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	9	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	90/9000 Cal	Rack	4		
Analysis started at:	12/4/2025 2:45:24 PM	Vial	55		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	97.890 %	96.920 %	90.185 ppb	89.129 ppb	9,170.791 ppb	9,226.177 ppb	91.922 ppb	9,188.390 ppb	9,007.442 ppb
Concentration per Run 1	101.840 %	87.383 %	85.847 ppb	84.234 ppb	10,001.086 ppb	10,828.755 ppb	100.804 ppb	10,166.287 ppb	9,963.046 ppb
Concentration per Run 2	99.479 %	101.866 %	87.309 ppb	87.269 ppb	8,712.575 ppb	8,314.506 ppb	80.689 ppb	8,735.508 ppb	8,501.187 ppb
Concentration per Run 3	92.353 %	101.510 %	97.398 ppb	95.882 ppb	8,798.712 ppb	8,535.270 ppb	94.273 ppb	8,663.375 ppb	8,558.094 ppb
Concentration RSD	5.0 %	8.5 %	7.0 %	6.8 %	7.9 %	15.1 %	11.2 %	9.2 %	9.2 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	101.512 %	98.616 %	93.587 ppb	91.549 ppb	91.533 ppb	9,058.387 ppb	92.616 ppb	91.215 ppb	90.761 ppb
Concentration per Run 1	103.085 %	89.965 %	105.215 ppb	99.508 ppb	100.230 ppb	10,033.905 ppb	105.644 ppb	84.492 ppb	101.814 ppb
Concentration per Run 2	106.233 %	102.071 %	87.287 ppb	88.084 ppb	87.283 ppb	8,487.903 ppb	87.641 ppb	97.937 ppb	84.810 ppb
Concentration per Run 3	95.216 %	103.813 %	88.259 ppb	87.055 ppb	87.085 ppb	8,653.353 ppb	84.562 ppb	91.216 ppb	85.659 ppb
Concentration RSD	5.6 %	7.6 %	10.8 %	7.6 %	8.2 %	9.4 %	12.3 %	7.4 %	10.6 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	91.326 ppb	99.647 %	96.020 %	91.685 ppb	90.028 ppb	90.690 ppb	90.258 ppb	99.521 %	93.957 %
Concentration per Run 1	100.725 ppb	105.847 %	88.449 %	99.541 ppb	96.691 ppb	98.327 ppb	100.384 ppb	107.282 %	86.077 %
Concentration per Run 2	86.366 ppb	97.285 %	99.904 %	87.304 ppb	86.216 ppb	87.220 ppb	86.533 ppb	100.621 %	97.807 %
Concentration per Run 3	86.888 ppb	95.808 %	99.705 %	88.210 ppb	87.175 ppb	86.522 ppb	83.857 ppb	90.660 %	97.987 %
Concentration RSD	8.9 %	5.4 %	6.8 %	7.4 %	6.4 %	7.3 %	9.8 %	8.4 %	7.3 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	91.520 ppb	91.770 ppb	95.931 %	93.792 %	91.183 ppb	91.071 ppb	90.491 ppb	99.715 %	96.873 %
Concentration per Run 1	100.236 ppb	99.787 ppb	104.503 %	84.380 %	99.115 ppb	101.822 ppb	102.625 ppb	107.903 %	87.059 %
Concentration per Run 2	87.429 ppb	87.319 ppb	96.707 %	97.948 %	86.960 ppb	85.676 ppb	85.516 ppb	100.933 %	100.777 %
Concentration per Run 3	86.894 ppb	88.205 ppb	86.582 %	99.048 %	87.474 ppb	85.717 ppb	83.331 ppb	90.308 %	102.782 %
Concentration RSD	8.3 %	7.6 %	9.4 %	8.7 %	7.5 %	10.2 %	11.7 %	8.9 %	8.8 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	98.994 %	96.149 %	92.875 ppb	91.741 ppb	95.935 %	93.465 %
Concentration per Run 1	107.251 %	87.723 %	100.980 ppb	101.466 ppb	98.260 %	84.647 %
Concentration per Run 2	98.477 %	99.834 %	88.967 ppb	87.481 ppb	97.975 %	97.355 %
Concentration per Run 3	91.254 %	100.890 %	88.677 ppb	86.277 ppb	91.570 %	98.392 %
Concentration RSD	8.1 %	7.6 %	7.6 %	9.2 %	3.9 %	8.2 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	10	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	120/120000 Cal	Rack	4		
Analysis started at:	12/4/2025 2:49:57 PM	Vial	56		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	97.441 %	96.209 %	121.318 ppb	122.191 ppb	12,000.835 ppb	12,118.854 ppb	121.901 ppb	12,123.783 ppb	12,171.629 ppb
Concentration per Run 1	98.644 %	90.537 %	121.321 ppb	119.298 ppb	13,019.053 ppb	13,613.781 ppb	126.544 ppb	14,294.168 ppb	12,543.071 ppb
Concentration per Run 2	97.604 %	98.845 %	121.973 ppb	123.889 ppb	11,938.436 ppb	11,297.323 ppb	131.248 ppb	11,191.817 ppb	12,645.766 ppb
Concentration per Run 3	96.074 %	99.245 %	120.659 ppb	123.385 ppb	11,045.017 ppb	11,445.458 ppb	107.912 ppb	10,885.364 ppb	11,326.050 ppb
Concentration RSD	1.3 %	5.1 %	0.5 %	2.1 %	8.2 %	10.7 %	10.1 %	15.6 %	6.0 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	99.725 %	100.354 %	118.468 ppb	120.241 ppb	120.052 ppb	12,106.587 ppb	118.703 ppb	119.211 ppb	120.022 ppb
Concentration per Run 1	99.367 %	89.531 %	130.823 ppb	130.771 ppb	134.004 ppb	13,363.168 ppb	129.372 ppb	117.639 ppb	132.283 ppb
Concentration per Run 2	94.322 %	101.764 %	120.439 ppb	118.204 ppb	116.620 ppb	12,068.445 ppb	118.372 ppb	123.607 ppb	115.998 ppb
Concentration per Run 3	105.486 %	109.768 %	104.142 ppb	111.747 ppb	109.533 ppb	10,888.148 ppb	108.365 ppb	116.387 ppb	111.784 ppb
Concentration RSD	5.6 %	10.2 %	11.4 %	8.0 %	10.5 %	10.2 %	8.9 %	3.2 %	9.0 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	119.438 ppb	101.819 %	98.628 %	120.133 ppb	121.103 ppb	121.040 ppb	121.799 ppb	96.455 %	92.921 %
Concentration per Run 1	131.485 ppb	105.360 %	90.186 %	130.320 ppb	133.581 ppb	129.563 ppb	132.757 ppb	97.911 %	85.640 %
Concentration per Run 2	117.590 ppb	98.553 %	100.340 %	118.931 ppb	116.685 ppb	117.726 ppb	119.926 ppb	93.551 %	95.802 %
Concentration per Run 3	109.239 ppb	101.544 %	105.358 %	111.149 ppb	113.044 ppb	115.831 ppb	112.714 ppb	97.903 %	97.322 %
Concentration RSD	9.4 %	3.4 %	7.8 %	8.0 %	9.0 %	6.1 %	8.3 %	2.6 %	6.8 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	120.379 ppb	120.593 ppb	94.275 %	96.178 %	120.970 ppb	121.242 ppb	121.723 ppb	95.738 %	97.451 %
Concentration per Run 1	134.276 ppb	132.941 ppb	97.900 %	87.919 %	132.401 ppb	132.391 ppb	133.891 ppb	100.498 %	87.514 %
Concentration per Run 2	114.892 ppb	116.662 ppb	90.161 %	99.233 %	117.863 ppb	118.101 ppb	118.827 ppb	93.413 %	99.400 %
Concentration per Run 3	111.969 ppb	112.175 ppb	94.764 %	101.383 %	112.645 ppb	113.235 ppb	112.450 ppb	93.303 %	105.439 %
Concentration RSD	10.1 %	9.1 %	4.1 %	7.5 %	8.5 %	8.2 %	9.0 %	4.3 %	9.4 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	100.016 %	97.432 %	120.003 ppb	120.696 ppb	92.821 %	95.438 %
Concentration per Run 1	104.936 %	87.929 %	129.459 ppb	133.539 ppb	91.920 %	85.976 %
Concentration per Run 2	95.856 %	99.963 %	119.420 ppb	118.634 ppb	93.552 %	96.899 %
Concentration per Run 3	99.257 %	104.404 %	111.128 ppb	109.914 ppb	92.990 %	103.439 %
Concentration RSD	4.6 %	8.7 %	7.6 %	9.9 %	0.9 %	9.2 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	11	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	Sr 200ppb	Rack	0		
Analysis started at:	12/4/2025 2:54:57 PM	Vial	3		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	102.455 %	99.541 %	0.032 ppb	0.319 ppb	5.496 ppb	1.774 ppb	1.426 ppb	6.231 ppb	12.173 ppb
Concentration per Run 1	103.106 %	92.758 %	0.028 ppb	0.329 ppb	20.783 ppb	2.218 ppb	1.077 ppb	14.487 ppb	76.183 ppb
Concentration per Run 2	104.304 %	102.621 %	0.029 ppb	0.310 ppb	-1.733 ppb	1.647 ppb	1.553 ppb	1.097 ppb	45.956 ppb
Concentration per Run 3	99.953 %	103.243 %	0.039 ppb	0.318 ppb	-2.563 ppb	1.456 ppb	1.648 ppb	3.110 ppb	-85.621 ppb
Concentration RSD	2.2 %	5.9 %	18.5 %	3.1 %	241.0 %	22.3 %	21.5 %	115.9 %	706.8 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	103.503 %	98.544 %	-0.028 ppb	0.040 ppb	0.053 ppb	3.995 ppb	0.019 ppb	0.182 ppb	0.077 ppb
Concentration per Run 1	108.666 %	90.804 %	-0.024 ppb	0.048 ppb	0.052 ppb	4.681 ppb	0.021 ppb	0.186 ppb	0.086 ppb
Concentration per Run 2	105.929 %	101.203 %	-0.059 ppb	0.020 ppb	0.057 ppb	3.828 ppb	0.020 ppb	0.216 ppb	0.081 ppb
Concentration per Run 3	95.916 %	103.626 %	-0.001 ppb	0.052 ppb	0.050 ppb	3.475 ppb	0.017 ppb	0.144 ppb	0.063 ppb
Concentration RSD	6.5 %	6.9 %	104.2 %	42.9 %	6.9 %	15.5 %	10.5 %	19.9 %	15.5 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.727 ppb	100.452 %	94.730 %	-0.118 ppb	0.153 ppb	216.878 ppb	0.144 ppb	100.473 %	95.523 %
Concentration per Run 1	0.810 ppb	102.066 %	86.359 %	-0.272 ppb	0.196 ppb	236.345 ppb	0.118 ppb	101.011 %	88.729 %
Concentration per Run 2	0.730 ppb	101.641 %	100.942 %	-0.066 ppb	0.166 ppb	205.085 ppb	0.186 ppb	103.989 %	97.095 %
Concentration per Run 3	0.641 ppb	97.648 %	96.889 %	-0.018 ppb	0.098 ppb	209.203 ppb	0.128 ppb	96.420 %	100.745 %
Concentration RSD	11.6 %	2.4 %	7.9 %	114.0 %	32.9 %	7.8 %	25.6 %	3.8 %	6.4 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.014 ppb	0.014 ppb	98.030 %	96.360 %	0.330 ppb	0.029 ppb	0.070 ppb	99.392 %	97.168 %
Concentration per Run 1	0.014 ppb	0.027 ppb	100.688 %	89.631 %	0.424 ppb	0.035 ppb	0.068 ppb	105.024 %	89.698 %
Concentration per Run 2	0.013 ppb	0.010 ppb	96.471 %	99.995 %	0.251 ppb	0.019 ppb	0.075 ppb	99.071 %	99.871 %
Concentration per Run 3	0.015 ppb	0.005 ppb	96.932 %	99.453 %	0.315 ppb	0.032 ppb	0.068 ppb	94.082 %	101.936 %
Concentration RSD	5.2 %	83.2 %	2.4 %	6.1 %	26.5 %	30.5 %	6.1 %	5.5 %	6.7 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	100.285 %	93.677 %	0.368 ppb	0.022 ppb	97.822 %	97.299 %
Concentration per Run 1	100.924 %	85.517 %	0.333 ppb	0.023 ppb	102.448 %	90.468 %
Concentration per Run 2	102.785 %	96.565 %	0.398 ppb	0.023 ppb	93.198 %	98.353 %
Concentration per Run 3	97.146 %	98.947 %	0.374 ppb	0.021 ppb	97.820 %	103.077 %
Concentration RSD	2.9 %	7.6 %	9.0 %	7.2 %	4.7 %	6.5 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	12	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	ICV	Rack	0		
Analysis started at:	12/4/2025 2:59:28 PM	Vial	7		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	98.279 %	97.764 %	49.858 ppb	50.580 ppb	5,029.004 ppb	5,026.723 ppb	47.792 ppb	4,998.120 ppb	5,142.268 ppb
Concentration per Run 1	99.299 %	94.535 %	48.846 ppb	48.731 ppb	5,224.916 ppb	5,323.360 ppb	48.941 ppb	5,255.198 ppb	5,522.055 ppb
Concentration per Run 2	98.592 %	98.889 %	51.633 ppb	51.258 ppb	4,954.319 ppb	4,805.045 ppb	48.162 ppb	5,010.343 ppb	5,020.913 ppb
Concentration per Run 3	96.946 %	99.867 %	49.095 ppb	51.749 ppb	4,907.777 ppb	4,951.763 ppb	46.273 ppb	4,728.820 ppb	4,883.837 ppb
Recovery Percentage 1			99.716 %	101.159 %	100.580 %	100.534 %	95.584 %	99.962 %	102.845 %
Concentration RSD	1.2 %	2.9 %	3.1 %	3.2 %	3.4 %	5.3 %	2.9 %	5.3 %	6.5 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	97.053 %	100.045 %	51.403 ppb	50.546 ppb	49.038 ppb	5,051.228 ppb	49.152 ppb	51.417 ppb	49.266 ppb
Concentration per Run 1	101.142 %	92.831 %	55.337 ppb	53.959 ppb	53.142 ppb	5,397.690 ppb	53.836 ppb	52.071 ppb	53.261 ppb
Concentration per Run 2	95.954 %	101.677 %	49.327 ppb	49.705 ppb	47.540 ppb	4,907.028 ppb	49.009 ppb	50.832 ppb	47.934 ppb
Concentration per Run 3	94.062 %	105.628 %	49.544 ppb	47.973 ppb	46.432 ppb	4,848.965 ppb	44.610 ppb	51.349 ppb	46.602 ppb
Recovery Percentage 1			102.805 %	101.092 %	98.076 %	101.025 %	98.303 %	102.835 %	98.531 %
Concentration RSD	3.8 %	6.5 %	6.6 %	6.1 %	7.3 %	6.0 %	9.4 %	1.2 %	7.2 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	48.483 ppb	100.228 %	99.018 %	49.745 ppb	48.558 ppb	50.748 ppb	50.160 ppb	95.564 %	93.245 %
Concentration per Run 1	51.523 ppb	99.928 %	92.803 %	52.422 ppb	50.616 ppb	53.947 ppb	52.902 ppb	93.752 %	87.579 %
Concentration per Run 2	47.175 ppb	98.748 %	100.213 %	48.820 ppb	48.036 ppb	49.763 ppb	48.839 ppb	95.737 %	94.272 %
Concentration per Run 3	46.751 ppb	102.010 %	104.039 %	47.993 ppb	47.022 ppb	48.535 ppb	48.739 ppb	97.202 %	97.884 %
Recovery Percentage 1	96.967 %			99.490 %	97.116 %	101.496 %	100.321 %		
Concentration RSD	5.4 %	1.6 %	5.8 %	4.7 %	3.8 %	5.6 %	4.7 %	1.8 %	5.6 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	49.355 ppb	49.241 ppb	92.486 %	95.846 %	46.749 ppb	48.502 ppb	49.114 ppb	95.911 %	98.264 %
Concentration per Run 1	52.266 ppb	52.874 ppb	96.369 %	89.737 %	50.403 ppb	51.474 ppb	51.157 ppb	95.124 %	92.116 %
Concentration per Run 2	47.996 ppb	47.683 ppb	90.339 %	97.346 %	45.256 ppb	46.889 ppb	47.850 ppb	99.621 %	100.397 %
Concentration per Run 3	47.802 ppb	47.165 ppb	90.749 %	100.454 %	44.588 ppb	47.143 ppb	48.335 ppb	92.987 %	102.279 %
Recovery Percentage 1	98.710 %	98.481 %			93.498 %	97.004 %	98.228 %		
Concentration RSD	5.1 %	6.4 %	3.6 %	5.8 %	6.8 %	5.3 %	3.6 %	3.5 %	5.5 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	98.456 %	96.416 %	50.029 ppb	50.226 ppb	93.297 %	95.354 %
Concentration per Run 1	96.637 %	92.529 %	52.864 ppb	54.177 ppb	91.145 %	88.376 %
Concentration per Run 2	98.679 %	96.779 %	48.124 ppb	48.654 ppb	93.377 %	97.372 %
Concentration per Run 3	100.052 %	99.940 %	49.100 ppb	47.848 ppb	95.369 %	100.315 %
Recovery Percentage 1			100.059 %	100.452 %		
Concentration RSD	1.7 %	3.9 %	5.0 %	6.9 %	2.3 %	6.5 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 13 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: ICB Rack 0
Analysis started at: 12/4/2025 3:04:02 PM Vial 10

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	102.828 %	106.309 %	0.022 ppb	0.195 ppb	-8.154 ppb	0.458 ppb	-0.331 ppb	-2.537 ppb	0.361 ppb
Concentration per Run 1	103.402 %	104.043 %	0.024 ppb	0.191 ppb	-5.883 ppb	0.275 ppb	-0.187 ppb	-0.632 ppb	2.938 ppb
Concentration per Run 2	104.432 %	106.398 %	0.019 ppb	0.194 ppb	-9.841 ppb	0.886 ppb	-0.080 ppb	-3.912 ppb	2.485 ppb
Concentration per Run 3	100.650 %	108.486 %	0.024 ppb	0.198 ppb	-8.737 ppb	0.215 ppb	-0.727 ppb	-3.067 ppb	-4.340 ppb
Recovery Percentage 1			4.433 %	1.945 %	-1.631 %	0.655 %	-3.315 %	-2.537 %	0.361 %
Concentration RSD	1.9 %	2.1 %	10.7 %	1.8 %	25.0 %	81.0 %	104.6 %	67.1 %	1,129.5 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	98.872 %	103.058 %	0.000 ppb	0.014 ppb	0.020 ppb	2.153 ppb	0.007 ppb	0.030 ppb	0.044 ppb
Concentration per Run 1	97.773 %	100.194 %	0.030 ppb	0.022 ppb	0.021 ppb	2.189 ppb	0.007 ppb	0.027 ppb	0.051 ppb
Concentration per Run 2	99.398 %	104.820 %	0.004 ppb	0.005 ppb	0.022 ppb	1.246 ppb	0.008 ppb	0.026 ppb	0.031 ppb
Concentration per Run 3	99.445 %	104.158 %	-0.034 ppb	0.014 ppb	0.018 ppb	3.023 ppb	0.007 ppb	0.036 ppb	0.050 ppb
Recovery Percentage 1			0.001 %	1.375 %	2.028 %	4.305 %	1.432 %	1.479 %	4.407 %
Concentration RSD	1.0 %	2.4 %	68,596.6 %	64.1 %	10.1 %	41.3 %	7.9 %	20.3 %	25.1 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.182 ppb	99.161 %	100.456 %	0.003 ppb	0.108 ppb	-0.003 ppb	0.109 ppb	101.386 %	101.345 %
Concentration per Run 1	0.185 ppb	100.751 %	97.205 %	0.039 ppb	0.121 ppb	-0.004 ppb	0.105 ppb	101.357 %	100.762 %
Concentration per Run 2	0.202 ppb	99.823 %	101.744 %	-0.049 ppb	0.110 ppb	-0.004 ppb	0.069 ppb	101.465 %	100.435 %
Concentration per Run 3	0.158 ppb	96.909 %	102.419 %	0.020 ppb	0.093 ppb	0.000 ppb	0.153 ppb	101.335 %	102.839 %
Recovery Percentage 1	3.630 %			0.643 %	2.162 %	-0.504 %	5.460 %		
Concentration RSD	12.2 %	2.0 %	2.8 %	1,444.0 %	13.0 %	94.2 %	38.8 %	0.1 %	1.3 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.007 ppb	0.005 ppb	92.239 %	99.740 %	0.165 ppb	0.034 ppb	0.029 ppb	95.534 %	101.788 %
Concentration per Run 1	0.007 ppb	0.007 ppb	93.091 %	98.542 %	0.145 ppb	0.030 ppb	0.025 ppb	97.729 %	98.885 %
Concentration per Run 2	0.009 ppb	0.002 ppb	94.187 %	99.224 %	0.156 ppb	0.036 ppb	0.024 ppb	96.097 %	103.894 %
Concentration per Run 3	0.005 ppb	0.004 ppb	89.440 %	101.455 %	0.195 ppb	0.037 ppb	0.038 ppb	92.777 %	102.586 %
Recovery Percentage 1	1.734 %	2.275 %			5.510 %	0.852 %	5.768 %		
Concentration RSD	27.9 %	60.5 %	2.7 %	1.5 %	16.1 %	11.5 %	27.6 %	2.6 %	2.6 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	98.440 %	97.256 %	0.270 ppb	0.014 ppb	97.032 %	100.318 %
Concentration per Run 1	98.458 %	94.837 %	0.217 ppb	0.015 ppb	97.861 %	97.664 %
Concentration per Run 2	98.603 %	97.882 %	0.300 ppb	0.012 ppb	99.395 %	101.553 %
Concentration per Run 3	98.260 %	99.048 %	0.292 ppb	0.015 ppb	93.840 %	101.736 %
Recovery Percentage 1			26.975 %	1.391 %		
Concentration RSD	0.2 %	2.2 %	16.9 %	10.7 %	3.0 %	2.3 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	14	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	ICSA	Rack	0		
Analysis started at:	12/4/2025 3:15:35 PM	Vial	4		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	86.673 %	94.950 %	0.154 ppb	4.384 ppb	228,137.190 ppb	92,275.583 ppb	92,128.603 ppb	96,568.962 ppb	310,269.646 ppb
Concentration per Run 1	87.340 %	92.536 %	0.142 ppb	4.295 ppb	233,322.376 ppb	92,789.055 ppb	94,837.655 ppb	97,270.978 ppb	315,116.461 ppb
Concentration per Run 2	86.217 %	97.023 %	0.168 ppb	4.424 ppb	216,936.244 ppb	95,410.130 ppb	86,713.575 ppb	98,077.352 ppb	297,475.563 ppb
Concentration per Run 3	86.462 %	95.291 %	0.152 ppb	4.432 ppb	234,152.951 ppb	88,627.565 ppb	94,834.579 ppb	94,358.558 ppb	318,216.914 ppb
Recovery Percentage 1			15.402 %	21.919 %	91.255 %	92.276 %	92.129 %	96.569 %	103.423 %
Concentration RSD	0.7 %	2.4 %	8.6 %	1.7 %	4.3 %	3.7 %	5.1 %	2.0 %	3.6 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	92.078 %	106.755 %	-0.033 ppb	0.959 ppb	3.315 ppb	235,153.622 ppb	2.474 ppb	5.552 ppb	0.747 ppb
Concentration per Run 1	92.741 %	104.626 %	-0.027 ppb	1.003 ppb	3.391 ppb	236,364.368 ppb	2.659 ppb	5.356 ppb	0.754 ppb
Concentration per Run 2	91.324 %	108.856 %	-0.013 ppb	0.918 ppb	3.125 ppb	232,231.549 ppb	2.190 ppb	5.933 ppb	0.810 ppb
Concentration per Run 3	92.167 %	106.783 %	-0.059 ppb	0.955 ppb	3.429 ppb	236,864.949 ppb	2.573 ppb	5.366 ppb	0.678 ppb
Recovery Percentage 1			-0.666 %	29.048 %	58.158 %	94.061 %	86.197 %	91.009 %	26.499 %
Concentration RSD	0.8 %	2.0 %	70.8 %	4.4 %	5.0 %	1.1 %	10.1 %	6.0 %	8.8 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	2.515 ppb	90.330 %	108.325 %	0.424 ppb	0.288 ppb	3.813 ppb	2,032.697 ppb	81.177 %	95.653 %
Concentration per Run 1	2.612 ppb	91.276 %	105.141 %	0.296 ppb	0.294 ppb	3.894 ppb	2,031.866 ppb	81.419 %	93.758 %
Concentration per Run 2	2.430 ppb	90.261 %	111.331 %	0.522 ppb	0.308 ppb	3.861 ppb	2,036.051 ppb	79.700 %	95.609 %
Concentration per Run 3	2.505 ppb	89.452 %	108.503 %	0.455 ppb	0.264 ppb	3.683 ppb	2,030.175 ppb	82.412 %	97.593 %
Recovery Percentage 1	22.064 %			26.035 %	2.235 %	141.215 %	101.635 %		
Concentration RSD	3.6 %	1.0 %	2.9 %	27.4 %	7.8 %	3.0 %	0.1 %	1.7 %	2.0 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.033 ppb	0.670 ppb	75.234 %	101.180 %	0.274 ppb	1.325 ppb	0.752 ppb	78.090 %	103.621 %
Concentration per Run 1	0.035 ppb	0.683 ppb	78.480 %	97.736 %	0.303 ppb	1.398 ppb	0.728 ppb	78.119 %	103.564 %
Concentration per Run 2	0.032 ppb	0.669 ppb	73.003 %	102.315 %	0.209 ppb	1.268 ppb	0.735 ppb	80.651 %	104.921 %
Concentration per Run 3	0.032 ppb	0.658 ppb	74.219 %	103.488 %	0.310 ppb	1.309 ppb	0.793 ppb	75.500 %	102.379 %
Recovery Percentage 1	4.138 %	167.449 %			4.570 %	16.561 %	40.009 %		
Concentration RSD	6.1 %	1.9 %	3.8 %	3.0 %	20.5 %	5.0 %	4.8 %	3.3 %	1.2 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	79.266 %	102.242 %	0.090 ppb	1.118 ppb	67.814 %	89.158 %
Concentration per Run 1	79.736 %	99.187 %	0.084 ppb	1.116 ppb	68.540 %	87.865 %
Concentration per Run 2	80.165 %	102.401 %	0.101 ppb	1.104 ppb	65.734 %	90.620 %
Concentration per Run 3	77.898 %	105.137 %	0.083 ppb	1.135 ppb	69.168 %	88.990 %
Recovery Percentage 1			4.479 %	36.070 %		
Concentration RSD	1.5 %	2.9 %	11.1 %	1.4 %	2.7 %	1.6 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	15	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	LDR Check	Rack	0		
Analysis started at:	12/4/2025 3:20:05 PM	Vial	5		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	99.543 %	96.905 %	0.017 ppb	0.568 ppb	35.178 ppb	14.498 ppb	15.362 ppb	23.870 ppb	42.353 ppb
Concentration per Run 1	98.339 %	91.648 %	0.015 ppb	0.584 ppb	43.393 ppb	13.810 ppb	13.846 ppb	28.184 ppb	28.676 ppb
Concentration per Run 2	98.068 %	102.088 %	0.013 ppb	0.572 ppb	32.069 ppb	15.860 ppb	16.834 ppb	25.649 ppb	48.976 ppb
Concentration per Run 3	102.222 %	96.979 %	0.024 ppb	0.549 ppb	30.072 ppb	13.825 ppb	15.406 ppb	17.777 ppb	49.409 ppb
Recovery Percentage 1									
Concentration RSD	2.3 %	5.4 %	31.0 %	3.2 %	20.4 %	8.1 %	9.7 %	22.7 %	28.0 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	94.631 %	103.811 %	1,085.935 ppb	1,021.517 ppb	9,127.320 ppb	38.273 ppb	0.031 ppb	9,533.089 ppb	9,094.594 ppb
Concentration per Run 1	102.171 %	100.520 %	1,067.525 ppb	1,047.642 ppb	9,320.028 ppb	33.758 ppb	0.028 ppb	9,406.428 ppb	9,344.067 ppb
Concentration per Run 2	88.031 %	105.680 %	1,105.606 ppb	1,002.658 ppb	9,013.078 ppb	47.993 ppb	0.029 ppb	9,552.670 ppb	8,983.963 ppb
Concentration per Run 3	93.691 %	105.233 %	1,084.674 ppb	1,014.252 ppb	9,048.856 ppb	33.069 ppb	0.035 ppb	9,640.167 ppb	8,955.751 ppb
Recovery Percentage 1			108.594 %	102.152 %	91.273 %			95.331 %	90.946 %
Concentration RSD	7.5 %	2.8 %	1.8 %	2.3 %	1.8 %	22.0 %	13.4 %	1.2 %	2.4 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	9,023.686 ppb	100.547 %	102.765 %	1,049.982 ppb	0.447 ppb	0.298 ppb	1.551 ppb	101.078 %	101.663 %
Concentration per Run 1	9,336.541 ppb	98.754 %	99.962 %	1,075.316 ppb	0.416 ppb	0.323 ppb	1.447 ppb	102.439 %	100.489 %
Concentration per Run 2	8,905.075 ppb	103.669 %	103.873 %	1,043.998 ppb	0.421 ppb	0.294 ppb	1.607 ppb	102.249 %	102.101 %
Concentration per Run 3	8,829.444 ppb	99.219 %	104.460 %	1,030.633 ppb	0.503 ppb	0.277 ppb	1.598 ppb	98.546 %	102.399 %
Recovery Percentage 1	90.237 %			104.998 %					
Concentration RSD	3.0 %	2.7 %	2.4 %	2.2 %	10.9 %	7.8 %	5.8 %	2.2 %	1.0 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.179 ppb	0.099 ppb	93.427 %	105.075 %	0.640 ppb	0.925 ppb	9,909.072 ppb	94.396 %	104.397 %
Concentration per Run 1	0.177 ppb	0.103 ppb	93.099 %	100.938 %	0.700 ppb	0.957 ppb	10,109.215 ppb	97.143 %	100.503 %
Concentration per Run 2	0.183 ppb	0.093 ppb	93.227 %	106.389 %	0.601 ppb	0.930 ppb	9,893.295 ppb	93.125 %	104.958 %
Concentration per Run 3	0.177 ppb	0.102 ppb	93.956 %	107.899 %	0.620 ppb	0.888 ppb	9,724.705 ppb	92.920 %	107.729 %
Recovery Percentage 1							99.091 %		
Concentration RSD	1.7 %	5.8 %	0.5 %	3.5 %	8.2 %	3.7 %	1.9 %	2.5 %	3.5 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	94.862 %	104.564 %	0.085 ppb	10,121.854 ppb	92.572 %	104.137 %
Concentration per Run 1	99.097 %	102.044 %	0.075 ppb	10,575.532 ppb	89.944 %	99.592 %
Concentration per Run 2	91.963 %	103.924 %	0.092 ppb	9,980.660 ppb	94.120 %	105.265 %
Concentration per Run 3	93.526 %	107.723 %	0.089 ppb	9,809.370 ppb	93.651 %	107.555 %
Recovery Percentage 1				101.219 %		
Concentration RSD	4.0 %	2.8 %	10.8 %	4.0 %	2.5 %	3.9 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	16	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	Rinse	Rack	0		
Analysis started at:	12/4/2025 3:24:37 PM	Vial	1		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	103.259 %	101.510 %	0.016 ppb	0.279 ppb	-3.194 ppb	5.331 ppb	5.034 ppb	10.179 ppb	13.742 ppb
Concentration per Run 1	102.915 %	100.755 %	0.014 ppb	0.292 ppb	0.465 ppb	5.945 ppb	5.403 ppb	12.992 ppb	10.068 ppb
Concentration per Run 2	106.278 %	102.710 %	0.018 ppb	0.256 ppb	-7.548 ppb	5.436 ppb	4.947 ppb	7.853 ppb	12.908 ppb
Concentration per Run 3	100.583 %	101.066 %	0.017 ppb	0.289 ppb	-2.498 ppb	4.610 ppb	4.751 ppb	9.691 ppb	18.250 ppb
Concentration RSD	2.8 %	1.0 %	11.6 %	7.1 %	126.9 %	12.6 %	6.6 %	25.6 %	30.2 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	99.965 %	102.203 %	0.061 ppb	0.100 ppb	0.920 ppb	17.627 ppb	0.002 ppb	0.498 ppb	0.810 ppb
Concentration per Run 1	98.274 %	99.696 %	0.068 ppb	0.112 ppb	1.134 ppb	20.678 ppb	0.006 ppb	0.649 ppb	0.970 ppb
Concentration per Run 2	105.673 %	103.915 %	0.055 ppb	0.093 ppb	0.960 ppb	16.633 ppb	-0.001 ppb	0.454 ppb	0.891 ppb
Concentration per Run 3	95.947 %	102.997 %	0.061 ppb	0.096 ppb	0.668 ppb	15.570 ppb	0.002 ppb	0.390 ppb	0.570 ppb
Concentration RSD	5.1 %	2.2 %	10.1 %	10.7 %	25.6 %	15.3 %	156.6 %	27.0 %	26.1 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	1.244 ppb	98.273 %	98.994 %	0.409 ppb	0.033 ppb	-0.001 ppb	0.294 ppb	100.463 %	99.827 %
Concentration per Run 1	1.635 ppb	101.705 %	95.785 %	0.391 ppb	-0.005 ppb	0.008 ppb	0.242 ppb	103.547 %	97.564 %
Concentration per Run 2	1.228 ppb	98.367 %	100.951 %	0.535 ppb	0.076 ppb	-0.008 ppb	0.285 ppb	103.159 %	100.331 %
Concentration per Run 3	0.868 ppb	94.749 %	100.246 %	0.300 ppb	0.027 ppb	-0.003 ppb	0.355 ppb	94.684 %	101.586 %
Concentration RSD	30.8 %	3.5 %	2.8 %	28.9 %	125.1 %	740.4 %	19.4 %	5.0 %	2.1 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	-0.002 ppb	0.000 ppb	92.972 %	101.659 %	0.128 ppb	0.004 ppb	0.748 ppb	96.647 %	102.601 %
Concentration per Run 1	-0.003 ppb	-0.001 ppb	94.859 %	98.460 %	0.164 ppb	0.001 ppb	0.999 ppb	98.879 %	100.149 %
Concentration per Run 2	0.001 ppb	0.002 ppb	93.300 %	101.225 %	0.083 ppb	0.004 ppb	0.769 ppb	98.132 %	104.431 %
Concentration per Run 3	-0.002 ppb	-0.001 ppb	90.755 %	105.293 %	0.138 ppb	0.008 ppb	0.475 ppb	92.929 %	103.224 %
Concentration RSD	131.2 %	40,121.5 %	2.2 %	3.4 %	32.1 %	68.2 %	35.1 %	3.4 %	2.2 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	96.538 %	101.764 %	0.024 ppb	0.989 ppb	96.122 %	104.171 %
Concentration per Run 1	95.162 %	98.356 %	0.014 ppb	1.270 ppb	98.682 %	100.878 %
Concentration per Run 2	97.229 %	102.775 %	0.025 ppb	1.010 ppb	97.138 %	105.438 %
Concentration per Run 3	97.223 %	104.162 %	0.033 ppb	0.686 ppb	92.547 %	106.197 %
Concentration RSD	1.2 %	3.0 %	39.8 %	29.6 %	3.3 %	2.8 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	17	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	CCV	Rack	0		
Analysis started at:	12/4/2025 3:29:06 PM	Vial	9		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	103.728 %	98.800 %	60.434 ppb	57.967 ppb	6,000.290 ppb	5,896.665 ppb	63.016 ppb	5,779.054 ppb	6,076.971 ppb
Concentration per Run 1	104.420 %	96.357 %	60.210 ppb	58.116 ppb	5,992.909 ppb	6,386.759 ppb	58.908 ppb	5,828.089 ppb	6,372.219 ppb
Concentration per Run 2	103.000 %	100.977 %	62.115 ppb	58.760 ppb	5,817.656 ppb	5,807.637 ppb	62.982 ppb	5,737.956 ppb	5,918.890 ppb
Concentration per Run 3	103.763 %	99.067 %	58.977 ppb	57.026 ppb	6,190.305 ppb	5,495.598 ppb	67.158 ppb	5,771.116 ppb	5,939.803 ppb
Recovery Percentage 1			100.724 %	96.612 %	100.005 %	98.278 %	105.027 %	96.318 %	101.283 %
Concentration RSD	0.7 %	2.3 %	2.6 %	1.5 %	3.1 %	7.7 %	6.5 %	0.8 %	4.2 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	99.752 %	106.442 %	57.953 ppb	57.442 ppb	57.916 ppb	5,685.531 ppb	57.151 ppb	60.401 ppb	55.855 ppb
Concentration per Run 1	96.740 %	102.519 %	57.673 ppb	58.743 ppb	58.385 ppb	5,816.347 ppb	56.059 ppb	60.280 ppb	58.975 ppb
Concentration per Run 2	100.854 %	108.164 %	56.916 ppb	57.130 ppb	57.177 ppb	5,699.454 ppb	57.222 ppb	60.626 ppb	53.659 ppb
Concentration per Run 3	101.662 %	108.644 %	59.268 ppb	56.452 ppb	58.188 ppb	5,540.793 ppb	58.172 ppb	60.297 ppb	54.930 ppb
Recovery Percentage 1			96.588 %	95.736 %	96.527 %	94.759 %	95.252 %	100.669 %	93.091 %
Concentration RSD	2.6 %	3.2 %	2.1 %	2.0 %	1.1 %	2.4 %	1.9 %	0.3 %	5.0 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	55.733 ppb	103.002 %	101.448 %	58.185 ppb	59.262 ppb	58.947 ppb	58.890 ppb	100.458 %	98.150 %
Concentration per Run 1	56.240 ppb	103.305 %	97.413 %	61.126 ppb	61.152 ppb	60.679 ppb	58.316 ppb	101.400 %	96.000 %
Concentration per Run 2	56.098 ppb	100.358 %	102.859 %	56.252 ppb	58.027 ppb	58.602 ppb	60.026 ppb	98.731 %	98.180 %
Concentration per Run 3	54.860 ppb	105.342 %	104.072 %	57.176 ppb	58.606 ppb	57.561 ppb	58.327 ppb	101.241 %	100.270 %
Recovery Percentage 1	92.888 %			96.974 %	98.770 %	98.246 %	98.149 %		
Concentration RSD	1.4 %	2.4 %	3.5 %	4.4 %	2.8 %	2.7 %	1.7 %	1.5 %	2.2 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	56.318 ppb	56.812 ppb	94.676 %	101.460 %	55.157 ppb	51.708 ppb	57.914 ppb	98.933 %	105.249 %
Concentration per Run 1	58.090 ppb	58.153 ppb	96.041 %	98.164 %	55.718 ppb	51.753 ppb	58.692 ppb	101.729 %	103.552 %
Concentration per Run 2	55.625 ppb	56.295 ppb	94.589 %	102.284 %	55.242 ppb	51.882 ppb	57.848 ppb	98.632 %	104.631 %
Concentration per Run 3	55.240 ppb	55.987 ppb	93.397 %	103.932 %	54.510 ppb	51.488 ppb	57.202 ppb	96.439 %	107.565 %
Recovery Percentage 1	93.864 %	94.686 %			91.928 %	86.179 %	96.523 %		
Concentration RSD	2.7 %	2.1 %	1.4 %	2.9 %	1.1 %	0.4 %	1.3 %	2.7 %	2.0 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	101.788 %	103.973 %	57.471 ppb	57.701 ppb	94.363 %	102.596 %
Concentration per Run 1	107.266 %	100.418 %	60.564 ppb	60.082 ppb	95.155 %	98.168 %
Concentration per Run 2	100.004 %	104.945 %	55.797 ppb	56.828 ppb	95.093 %	103.705 %
Concentration per Run 3	98.096 %	106.557 %	56.050 ppb	56.192 ppb	92.841 %	105.916 %
Recovery Percentage 1			95.784 %	96.168 %		
Concentration RSD	4.8 %	3.1 %	4.7 %	3.6 %	1.4 %	3.9 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 18 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: CCB Rack 0
Analysis started at: 12/4/2025 3:33:40 PM Vial 10

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	106.094 %	104.576 %	0.030 ppb	0.250 ppb	-20.973 ppb	0.703 ppb	0.308 ppb	1.093 ppb	1.786 ppb
Concentration per Run 1	106.807 %	103.865 %	0.031 ppb	0.252 ppb	-18.279 ppb	0.423 ppb	-0.056 ppb	1.782 ppb	2.870 ppb
Concentration per Run 2	105.849 %	104.221 %	0.029 ppb	0.255 ppb	-20.553 ppb	1.069 ppb	0.456 ppb	3.371 ppb	0.633 ppb
Concentration per Run 3	105.625 %	105.642 %	0.028 ppb	0.243 ppb	-24.088 ppb	0.618 ppb	0.522 ppb	-1.873 ppb	1.853 ppb
Recovery Percentage 1			5.907 %	2.501 %	-4.195 %	1.005 %	3.075 %	1.093 %	1.786 %
Concentration RSD	0.6 %	0.9 %	4.9 %	2.5 %	14.0 %	47.1 %	102.8 %	246.0 %	62.7 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	101.693 %	105.389 %	-0.046 ppb	0.000 ppb	0.059 ppb	2.442 ppb	0.008 ppb	0.076 ppb	0.062 ppb
Concentration per Run 1	101.884 %	100.876 %	-0.046 ppb	0.008 ppb	0.067 ppb	3.162 ppb	0.001 ppb	0.101 ppb	0.077 ppb
Concentration per Run 2	101.674 %	103.736 %	-0.033 ppb	-0.015 ppb	0.065 ppb	3.326 ppb	0.018 ppb	0.040 ppb	0.052 ppb
Concentration per Run 3	101.520 %	111.555 %	-0.057 ppb	0.008 ppb	0.046 ppb	0.837 ppb	0.005 ppb	0.088 ppb	0.057 ppb
Recovery Percentage 1			-0.912 %	0.014 %	5.941 %	4.883 %	1.645 %	3.821 %	6.232 %
Concentration RSD	0.2 %	5.2 %	26.9 %	9,660.8 %	19.8 %	57.0 %	109.4 %	42.3 %	20.9 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.233 ppb	100.791 %	99.689 %	0.081 ppb	0.082 ppb	0.008 ppb	0.146 ppb	99.492 %	101.021 %
Concentration per Run 1	0.265 ppb	100.285 %	97.313 %	0.178 ppb	0.121 ppb	-0.003 ppb	0.062 ppb	99.429 %	98.936 %
Concentration per Run 2	0.238 ppb	100.337 %	98.549 %	-0.021 ppb	0.033 ppb	0.026 ppb	0.161 ppb	101.206 %	101.371 %
Concentration per Run 3	0.195 ppb	101.750 %	103.205 %	0.086 ppb	0.092 ppb	0.001 ppb	0.215 ppb	97.839 %	102.757 %
Recovery Percentage 1	4.652 %			16.169 %	1.640 %	1.607 %	7.309 %		
Concentration RSD	15.1 %	0.8 %	3.1 %	123.2 %	54.5 %	196.7 %	52.9 %	1.7 %	1.9 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.008 ppb	0.010 ppb	97.985 %	101.599 %	0.235 ppb	0.104 ppb	0.026 ppb	100.054 %	104.729 %
Concentration per Run 1	0.009 ppb	0.012 ppb	101.380 %	97.370 %	0.149 ppb	0.092 ppb	0.017 ppb	100.886 %	101.144 %
Concentration per Run 2	0.011 ppb	0.011 ppb	96.400 %	102.380 %	0.491 ppb	0.098 ppb	0.041 ppb	105.494 %	104.604 %
Concentration per Run 3	0.003 ppb	0.007 ppb	96.175 %	105.048 %	0.065 ppb	0.121 ppb	0.019 ppb	93.780 %	108.440 %
Recovery Percentage 1	1.944 %	4.957 %			7.826 %	2.597 %	5.140 %		
Concentration RSD	53.9 %	26.0 %	3.0 %	3.8 %	96.1 %	14.5 %	51.5 %	5.9 %	3.5 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	99.936 %	100.895 %	0.115 ppb	0.069 ppb	95.783 %	103.383 %
Concentration per Run 1	102.199 %	96.773 %	0.088 ppb	0.069 ppb	96.803 %	101.100 %
Concentration per Run 2	103.101 %	100.416 %	0.135 ppb	0.076 ppb	95.416 %	104.628 %
Concentration per Run 3	94.507 %	105.496 %	0.121 ppb	0.060 ppb	95.131 %	104.422 %
Recovery Percentage 1			11.462 %	6.860 %		
Concentration RSD	4.7 %	4.3 %	21.0 %	11.4 %	0.9 %	1.9 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 19
Analysis label: CCV
Analysis started at: 12/4/2025 4:06:16 PM
User name ALPHALAB\ICPMSRQ
Rack 0
Vial 9
Comment <Comment>

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	108.662 %	105.376 %	57.227 ppb	55.663 ppb	5,676.019 ppb	5,832.999 ppb	58.909 ppb	5,638.170 ppb	5,719.446 ppb
Concentration per Run 1	106.743 %	100.311 %	59.221 ppb	57.106 ppb	5,895.475 ppb	5,738.507 ppb	59.499 ppb	6,014.871 ppb	5,596.572 ppb
Concentration per Run 2	108.377 %	107.419 %	56.898 ppb	55.979 ppb	5,551.408 ppb	6,017.691 ppb	51.878 ppb	5,613.649 ppb	5,664.061 ppb
Concentration per Run 3	110.865 %	108.397 %	55.561 ppb	53.905 ppb	5,581.175 ppb	5,742.800 ppb	65.350 ppb	5,285.990 ppb	5,897.706 ppb
Recovery Percentage 1			95.378 %	92.772 %	94.600 %	97.217 %	98.181 %	93.969 %	95.324 %
Concentration RSD	1.9 %	4.2 %	3.2 %	2.9 %	3.4 %	2.7 %	11.5 %	6.5 %	2.8 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	110.456 %	113.317 %	55.450 ppb	54.625 ppb	55.206 ppb	5,506.211 ppb	54.550 ppb	58.043 ppb	55.242 ppb
Concentration per Run 1	105.628 %	109.906 %	56.029 ppb	55.651 ppb	56.117 ppb	5,601.654 ppb	55.882 ppb	60.218 ppb	59.178 ppb
Concentration per Run 2	105.523 %	115.318 %	56.284 ppb	54.235 ppb	54.578 ppb	5,250.862 ppb	52.319 ppb	61.535 ppb	53.729 ppb
Concentration per Run 3	120.217 %	114.726 %	54.037 ppb	53.990 ppb	54.923 ppb	5,666.118 ppb	55.450 ppb	52.378 ppb	52.818 ppb
Recovery Percentage 1			92.417 %	91.042 %	92.010 %	91.770 %	90.917 %	96.739 %	92.069 %
Concentration RSD	7.7 %	2.6 %	2.2 %	1.6 %	1.5 %	4.1 %	3.6 %	8.5 %	6.2 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	55.426 ppb	109.188 %	106.314 %	55.137 ppb	56.561 ppb	57.737 ppb	58.615 ppb	108.808 %	98.144 %
Concentration per Run 1	56.862 ppb	106.151 %	103.679 %	56.319 ppb	54.547 ppb	57.655 ppb	59.692 ppb	111.609 %	95.391 %
Concentration per Run 2	54.478 ppb	112.965 %	108.197 %	54.264 ppb	56.869 ppb	56.638 ppb	58.408 ppb	106.813 %	99.366 %
Concentration per Run 3	54.937 ppb	108.448 %	107.065 %	54.829 ppb	58.266 ppb	58.919 ppb	57.743 ppb	108.003 %	99.676 %
Recovery Percentage 1	92.376 %			91.896 %	94.268 %	96.229 %	97.691 %		
Concentration RSD	2.3 %	3.2 %	2.2 %	1.9 %	3.3 %	2.0 %	1.7 %	2.3 %	2.4 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	56.777 ppb	56.382 ppb	102.898 %	101.434 %	55.866 ppb	54.086 ppb	57.924 ppb	106.905 %	106.574 %
Concentration per Run 1	59.127 ppb	59.339 ppb	101.522 %	95.028 %	59.428 ppb	54.473 ppb	60.181 ppb	108.797 %	105.235 %
Concentration per Run 2	55.575 ppb	54.828 ppb	102.013 %	104.519 %	53.340 ppb	53.550 ppb	56.918 ppb	108.765 %	106.383 %
Concentration per Run 3	55.629 ppb	54.978 ppb	105.160 %	104.757 %	54.828 ppb	54.233 ppb	56.674 ppb	103.155 %	108.104 %
Recovery Percentage 1	94.628 %	93.970 %			93.109 %	90.143 %	96.541 %		
Concentration RSD	3.6 %	4.5 %	1.9 %	5.5 %	5.7 %	0.9 %	3.4 %	3.0 %	1.4 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	110.781 %	105.645 %	55.866 ppb	55.893 ppb	103.045 %	105.083 %
Concentration per Run 1	112.409 %	101.517 %	56.232 ppb	57.186 ppb	102.398 %	103.128 %
Concentration per Run 2	112.043 %	107.290 %	54.295 ppb	54.729 ppb	103.658 %	106.480 %
Concentration per Run 3	107.890 %	108.129 %	57.072 ppb	55.766 ppb	103.081 %	105.642 %
Recovery Percentage 1			93.111 %	93.156 %		
Concentration RSD	2.3 %	3.4 %	2.5 %	2.2 %	0.6 %	1.7 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 20 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: CCB Rack 0
Analysis started at: 12/4/2025 4:13:13 PM Vial 10

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	108.570 %	107.094 %	0.021 ppb	0.145 ppb	-23.210 ppb	0.003 ppb	0.216 ppb	1.442 ppb	18.065 ppb
Concentration per Run 1	107.847 %	103.732 %	0.021 ppb	0.161 ppb	-17.449 ppb	0.189 ppb	0.337 ppb	2.986 ppb	4.383 ppb
Concentration per Run 2	107.942 %	110.707 %	0.023 ppb	0.138 ppb	-26.702 ppb	0.131 ppb	0.038 ppb	2.195 ppb	30.029 ppb
Concentration per Run 3	109.921 %	106.842 %	0.018 ppb	0.137 ppb	-25.478 ppb	-0.311 ppb	0.274 ppb	-0.854 ppb	19.784 ppb
Recovery Percentage 1			4.140 %	1.453 %	-4.642 %	0.004 %	2.162 %	1.442 %	18.065 %
Concentration RSD	1.1 %	3.3 %	14.0 %	9.4 %	21.7 %	9,627.4 %	72.8 %	140.6 %	71.5 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	104.994 %	105.270 %	-0.053 ppb	0.002 ppb	0.410 ppb	3.154 ppb	0.006 ppb	0.157 ppb	0.081 ppb
Concentration per Run 1	101.227 %	102.198 %	-0.048 ppb	0.014 ppb	0.403 ppb	3.231 ppb	0.003 ppb	0.185 ppb	0.062 ppb
Concentration per Run 2	108.223 %	103.437 %	-0.056 ppb	-0.007 ppb	0.419 ppb	2.613 ppb	0.009 ppb	0.155 ppb	0.079 ppb
Concentration per Run 3	105.530 %	110.174 %	-0.056 ppb	-0.001 ppb	0.408 ppb	3.617 ppb	0.006 ppb	0.131 ppb	0.103 ppb
Recovery Percentage 1			-1.067 %	0.200 %	40.991 %	6.307 %	1.266 %	7.834 %	8.148 %
Concentration RSD	3.4 %	4.1 %	9.4 %	533.1 %	1.9 %	16.1 %	45.5 %	17.3 %	25.2 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.675 ppb	104.283 %	99.414 %	0.014 ppb	0.078 ppb	0.007 ppb	0.027 ppb	106.591 %	99.946 %
Concentration per Run 1	0.667 ppb	101.294 %	98.985 %	-0.060 ppb	0.112 ppb	0.009 ppb	-0.019 ppb	106.844 %	99.494 %
Concentration per Run 2	0.717 ppb	106.260 %	98.209 %	0.205 ppb	0.082 ppb	0.010 ppb	0.038 ppb	110.023 %	100.858 %
Concentration per Run 3	0.641 ppb	105.296 %	101.049 %	-0.104 ppb	0.041 ppb	0.002 ppb	0.064 ppb	102.906 %	99.486 %
Recovery Percentage 1	13.497 %			2.741 %	1.562 %	1.417 %	1.375 %		
Concentration RSD	5.7 %	2.5 %	1.5 %	1,216.9 %	45.2 %	59.6 %	154.1 %	3.3 %	0.8 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.003 ppb	0.002 ppb	101.521 %	101.658 %	0.193 ppb	0.025 ppb	0.039 ppb	103.494 %	103.282 %
Concentration per Run 1	0.004 ppb	0.002 ppb	102.419 %	98.147 %	0.226 ppb	0.019 ppb	0.043 ppb	106.086 %	101.166 %
Concentration per Run 2	0.004 ppb	0.004 ppb	101.921 %	105.211 %	0.148 ppb	0.020 ppb	0.051 ppb	101.614 %	103.032 %
Concentration per Run 3	0.003 ppb	0.000 ppb	100.224 %	101.617 %	0.207 ppb	0.036 ppb	0.023 ppb	102.783 %	105.649 %
Recovery Percentage 1	0.823 %	1.115 %			6.444 %	0.625 %	7.809 %		
Concentration RSD	18.4 %	88.8 %	1.1 %	3.5 %	21.0 %	38.3 %	36.7 %	2.2 %	2.2 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	104.146 %	101.763 %	0.064 ppb	0.012 ppb	101.513 %	103.958 %
Concentration per Run 1	105.103 %	98.280 %	0.049 ppb	0.012 ppb	100.893 %	100.762 %
Concentration per Run 2	107.068 %	104.523 %	0.068 ppb	0.013 ppb	99.568 %	105.561 %
Concentration per Run 3	100.265 %	102.487 %	0.074 ppb	0.013 ppb	104.076 %	105.550 %
Recovery Percentage 1			6.352 %	1.243 %		
Concentration RSD	3.4 %	3.1 %	20.4 %	3.6 %	2.3 %	2.7 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 21 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: L2573522-02 6020TL Rack 1
Analysis started at: 12/4/2025 4:22:44 PM Vial 1

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	115.380 %	109.996 %	0.013 ppb	0.131 ppb	-37.289 ppb	1.038 ppb	1.042 ppb	-7.587 ppb	5.671 ppb
Concentration per Run 1	112.772 %	111.285 %	0.015 ppb	0.149 ppb	-39.239 ppb	0.908 ppb	0.972 ppb	-9.105 ppb	7.979 ppb
Concentration per Run 2	116.184 %	109.241 %	0.011 ppb	0.117 ppb	-36.763 ppb	0.552 ppb	0.955 ppb	-4.894 ppb	6.049 ppb
Concentration per Run 3	117.185 %	109.463 %	0.013 ppb	0.127 ppb	-35.865 ppb	1.655 ppb	1.198 ppb	-8.762 ppb	2.987 ppb
Concentration RSD	2.0 %	1.0 %	14.6 %	12.6 %	4.7 %	54.3 %	13.0 %	30.8 %	44.4 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	115.184 %	114.768 %	-0.095 ppb	0.212 ppb	0.215 ppb	3.375 ppb	0.001 ppb	0.018 ppb	0.112 ppb
Concentration per Run 1	111.439 %	112.431 %	-0.097 ppb	0.236 ppb	0.237 ppb	3.604 ppb	0.000 ppb	0.021 ppb	0.152 ppb
Concentration per Run 2	114.632 %	116.122 %	-0.102 ppb	0.184 ppb	0.205 ppb	2.760 ppb	0.001 ppb	0.014 ppb	0.085 ppb
Concentration per Run 3	119.481 %	115.751 %	-0.084 ppb	0.217 ppb	0.202 ppb	3.760 ppb	0.003 ppb	0.019 ppb	0.100 ppb
Concentration RSD	3.5 %	1.8 %	9.6 %	12.5 %	9.0 %	15.9 %	144.0 %	22.0 %	31.3 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.771 ppb	112.724 %	103.492 %	-0.043 ppb	0.039 ppb	0.013 ppb	0.017 ppb	116.381 %	105.105 %
Concentration per Run 1	0.762 ppb	113.033 %	98.675 %	0.058 ppb	0.081 ppb	0.021 ppb	0.024 ppb	120.418 %	102.966 %
Concentration per Run 2	0.767 ppb	112.863 %	106.162 %	0.020 ppb	0.002 ppb	0.007 ppb	-0.007 ppb	115.908 %	106.316 %
Concentration per Run 3	0.786 ppb	112.274 %	105.640 %	-0.205 ppb	0.035 ppb	0.010 ppb	0.035 ppb	112.817 %	106.033 %
Concentration RSD	1.6 %	0.4 %	4.0 %	334.0 %	100.7 %	57.0 %	128.7 %	3.3 %	1.8 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	-0.001 ppb	0.000 ppb	106.704 %	106.120 %	-0.015 ppb	0.029 ppb	0.024 ppb	112.247 %	108.097 %
Concentration per Run 1	-0.001 ppb	-0.001 ppb	106.741 %	103.085 %	-0.043 ppb	0.038 ppb	0.027 ppb	116.067 %	105.005 %
Concentration per Run 2	-0.004 ppb	-0.001 ppb	105.053 %	106.889 %	0.056 ppb	0.023 ppb	0.022 ppb	112.528 %	108.327 %
Concentration per Run 3	0.003 ppb	0.000 ppb	108.317 %	108.385 %	-0.057 ppb	0.026 ppb	0.022 ppb	108.147 %	110.960 %
Concentration RSD	655.0 %	154.2 %	1.5 %	2.6 %	420.7 %	25.8 %	11.6 %	3.5 %	2.8 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	113.591 %	109.191 %	0.058 ppb	0.009 ppb	109.768 %	110.113 %
Concentration per Run 1	113.393 %	105.787 %	0.058 ppb	0.009 ppb	110.452 %	109.184 %
Concentration per Run 2	114.114 %	109.868 %	0.070 ppb	0.008 ppb	108.043 %	109.955 %
Concentration per Run 3	113.267 %	111.918 %	0.048 ppb	0.010 ppb	110.808 %	111.201 %
Concentration RSD	0.4 %	2.9 %	18.8 %	13.7 %	1.4 %	0.9 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	22	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	L2573522-03 6020TL	Rack	1		
Analysis started at:	12/4/2025 4:27:11 PM	Vial	2		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	100.780 %	96.890 %	0.022 ppb	136.833 ppb	47,498.889 ppb	27,945.213 ppb	3.314 ppb	12,079.755 ppb	148,915.105 ppb
Concentration per Run 1	98.714 %	90.359 %	0.027 ppb	141.991 ppb	49,841.471 ppb	28,551.352 ppb	2.259 ppb	12,590.301 ppb	148,464.088 ppb
Concentration per Run 2	99.099 %	99.822 %	0.023 ppb	138.001 ppb	45,697.590 ppb	28,632.000 ppb	3.887 ppb	11,805.823 ppb	148,253.043 ppb
Concentration per Run 3	104.527 %	100.489 %	0.018 ppb	130.507 ppb	46,957.606 ppb	26,652.286 ppb	3.796 ppb	11,843.141 ppb	150,028.185 ppb
Concentration RSD	3.2 %	5.8 %	20.3 %	4.3 %	4.5 %	4.0 %	27.6 %	3.7 %	0.7 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	101.717 %	105.912 %	-0.006 ppb	0.161 ppb	56.688 ppb	49,509.632 ppb	0.227 ppb	1.475 ppb	0.221 ppb
Concentration per Run 1	101.285 %	101.383 %	-0.007 ppb	0.185 ppb	58.726 ppb	52,175.715 ppb	0.242 ppb	1.518 ppb	0.214 ppb
Concentration per Run 2	101.629 %	106.581 %	0.013 ppb	0.139 ppb	56.119 ppb	48,332.776 ppb	0.250 ppb	1.533 ppb	0.218 ppb
Concentration per Run 3	102.236 %	109.771 %	-0.024 ppb	0.160 ppb	55.219 ppb	48,020.404 ppb	0.190 ppb	1.372 ppb	0.233 ppb
Concentration RSD	0.5 %	4.0 %	300.7 %	14.0 %	3.2 %	4.7 %	14.3 %	6.0 %	4.6 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	1.173 ppb	105.271 %	102.531 %	20.420 ppb	0.264 ppb	1,302.346 ppb	3.716 ppb	98.986 %	94.373 %
Concentration per Run 1	1.142 ppb	105.567 %	98.960 %	20.922 ppb	0.168 ppb	1,320.519 ppb	3.867 ppb	101.228 %	91.903 %
Concentration per Run 2	1.120 ppb	100.183 %	104.032 %	20.124 ppb	0.228 ppb	1,304.515 ppb	3.623 ppb	94.316 %	94.562 %
Concentration per Run 3	1.258 ppb	110.063 %	104.600 %	20.216 ppb	0.394 ppb	1,282.003 ppb	3.658 ppb	101.414 %	96.653 %
Concentration RSD	6.3 %	4.7 %	3.0 %	2.1 %	44.4 %	1.5 %	3.5 %	4.1 %	2.5 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.000 ppb	0.006 ppb	93.101 %	101.434 %	-0.058 ppb	0.050 ppb	88.009 ppb	97.624 %	104.765 %
Concentration per Run 1	0.001 ppb	0.013 ppb	91.717 %	98.175 %	-0.066 ppb	0.047 ppb	91.489 ppb	97.515 %	103.372 %
Concentration per Run 2	0.000 ppb	0.003 ppb	93.725 %	102.163 %	-0.019 ppb	0.048 ppb	87.097 ppb	94.615 %	104.356 %
Concentration per Run 3	0.000 ppb	0.002 ppb	93.863 %	103.965 %	-0.088 ppb	0.055 ppb	85.440 ppb	100.742 %	106.566 %
Concentration RSD	166.3 %	102.9 %	1.3 %	2.9 %	61.4 %	8.8 %	3.6 %	3.1 %	1.6 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	99.863 %	105.142 %	0.021 ppb	0.068 ppb	91.392 %	99.053 %
Concentration per Run 1	98.954 %	101.323 %	0.015 ppb	0.070 ppb	90.895 %	97.194 %
Concentration per Run 2	99.027 %	107.131 %	0.022 ppb	0.064 ppb	91.440 %	98.604 %
Concentration per Run 3	101.608 %	106.971 %	0.026 ppb	0.069 ppb	91.839 %	101.360 %
Concentration RSD	1.5 %	3.1 %	27.4 %	4.7 %	0.5 %	2.1 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	23	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	L2573522-06 6020TL	Rack	1		
Analysis started at:	12/4/2025 4:31:39 PM	Vial	3		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	101.698 %	97.305 %	0.022 ppb	132.811 ppb	47,140.340 ppb	26,428.560 ppb	3.268 ppb	11,805.086 ppb	143,930.469 ppb
Concentration per Run 1	103.650 %	96.801 %	0.016 ppb	125.389 ppb	47,670.911 ppb	27,086.874 ppb	2.435 ppb	12,050.548 ppb	146,202.134 ppb
Concentration per Run 2	99.779 %	96.357 %	0.025 ppb	137.763 ppb	47,234.943 ppb	27,728.455 ppb	4.167 ppb	11,680.095 ppb	151,066.557 ppb
Concentration per Run 3	101.665 %	98.756 %	0.024 ppb	135.279 ppb	46,515.166 ppb	24,470.351 ppb	3.202 ppb	11,684.615 ppb	134,522.717 ppb
Concentration RSD	1.9 %	1.3 %	22.0 %	4.9 %	1.2 %	6.5 %	26.6 %	1.8 %	5.9 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	106.461 %	104.759 %	0.001 ppb	0.090 ppb	56.258 ppb	50,755.344 ppb	0.226 ppb	1.405 ppb	0.401 ppb
Concentration per Run 1	115.521 %	101.649 %	-0.012 ppb	0.080 ppb	57.965 ppb	52,836.896 ppb	0.213 ppb	1.289 ppb	0.353 ppb
Concentration per Run 2	100.018 %	103.875 %	0.000 ppb	0.100 ppb	55.677 ppb	49,140.861 ppb	0.231 ppb	1.561 ppb	0.412 ppb
Concentration per Run 3	103.845 %	108.751 %	0.014 ppb	0.092 ppb	55.131 ppb	50,288.276 ppb	0.234 ppb	1.365 ppb	0.437 ppb
Concentration RSD	7.6 %	3.5 %	1,316.7 %	11.1 %	2.7 %	3.7 %	5.0 %	10.0 %	10.8 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	1.114 ppb	106.198 %	102.483 %	19.934 ppb	0.236 ppb	1,270.171 ppb	3.683 ppb	98.445 %	95.399 %
Concentration per Run 1	1.114 ppb	110.234 %	98.462 %	20.475 ppb	0.130 ppb	1,292.801 ppb	3.754 ppb	104.441 %	92.671 %
Concentration per Run 2	1.037 ppb	103.460 %	105.013 %	20.070 ppb	0.374 ppb	1,244.335 ppb	3.768 ppb	93.185 %	95.576 %
Concentration per Run 3	1.192 ppb	104.899 %	103.973 %	19.257 ppb	0.202 ppb	1,273.378 ppb	3.527 ppb	97.708 %	97.949 %
Concentration RSD	7.0 %	3.4 %	3.4 %	3.1 %	53.2 %	1.9 %	3.7 %	5.8 %	2.8 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.000 ppb	0.005 ppb	93.370 %	99.671 %	-0.048 ppb	0.043 ppb	87.010 ppb	97.126 %	105.433 %
Concentration per Run 1	0.002 ppb	0.006 ppb	98.928 %	95.298 %	-0.041 ppb	0.036 ppb	89.633 ppb	102.526 %	102.919 %
Concentration per Run 2	0.001 ppb	0.003 ppb	92.827 %	97.885 %	-0.039 ppb	0.048 ppb	88.067 ppb	94.199 %	103.014 %
Concentration per Run 3	-0.004 ppb	0.006 ppb	88.353 %	105.831 %	-0.065 ppb	0.046 ppb	83.331 ppb	94.651 %	110.365 %
Concentration RSD	1,004.0 %	31.1 %	5.7 %	5.5 %	30.0 %	14.1 %	3.8 %	4.8 %	4.1 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	100.182 %	105.849 %	0.014 ppb	0.076 ppb	92.153 %	96.774 %
Concentration per Run 1	107.282 %	104.411 %	0.008 ppb	0.085 ppb	98.167 %	92.873 %
Concentration per Run 2	94.811 %	101.283 %	0.019 ppb	0.075 ppb	89.040 %	96.227 %
Concentration per Run 3	98.454 %	111.851 %	0.017 ppb	0.068 ppb	89.252 %	101.221 %
Concentration RSD	6.4 %	5.1 %	40.0 %	10.9 %	5.7 %	4.3 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 24 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: L2573522-07 6020TL Rack 1
Analysis started at: 12/4/2025 4:36:08 PM Vial 4

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	104.575 %	101.185 %	0.019 ppb	50.551 ppb	32,847.664 ppb	6,471.307 ppb	4.803 ppb	6,147.954 ppb	36,826.894 ppb
Concentration per Run 1	102.962 %	92.758 %	0.021 ppb	50.874 ppb	35,623.255 ppb	7,397.599 ppb	4.791 ppb	6,946.076 ppb	39,445.690 ppb
Concentration per Run 2	106.026 %	106.797 %	0.020 ppb	49.935 ppb	30,712.568 ppb	5,916.034 ppb	5.176 ppb	5,674.008 ppb	36,323.956 ppb
Concentration per Run 3	104.739 %	103.998 %	0.016 ppb	50.844 ppb	32,207.170 ppb	6,100.288 ppb	4.441 ppb	5,823.777 ppb	34,711.037 ppb
Concentration RSD	1.5 %	7.3 %	13.4 %	1.1 %	7.7 %	12.5 %	7.7 %	11.3 %	6.5 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	109.449 %	105.618 %	-0.078 ppb	0.104 ppb	157.496 ppb	29,808.136 ppb	0.910 ppb	0.789 ppb	1.024 ppb
Concentration per Run 1	110.546 %	95.335 %	-0.075 ppb	0.113 ppb	175.681 ppb	33,293.647 ppb	1.126 ppb	0.779 ppb	1.197 ppb
Concentration per Run 2	112.288 %	109.917 %	-0.090 ppb	0.126 ppb	145.654 ppb	27,779.652 ppb	0.801 ppb	0.698 ppb	0.943 ppb
Concentration per Run 3	105.514 %	111.602 %	-0.069 ppb	0.075 ppb	151.152 ppb	28,351.108 ppb	0.801 ppb	0.891 ppb	0.933 ppb
Concentration RSD	3.2 %	8.5 %	14.2 %	25.6 %	10.2 %	10.2 %	20.6 %	12.3 %	14.6 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	1.289 ppb	106.627 %	102.268 %	13.453 ppb	0.300 ppb	237.019 ppb	3.546 ppb	99.738 %	96.117 %
Concentration per Run 1	1.448 ppb	109.031 %	91.131 %	14.988 ppb	0.390 ppb	256.566 ppb	4.118 ppb	100.658 %	89.646 %
Concentration per Run 2	1.181 ppb	106.687 %	110.347 %	12.070 ppb	0.233 ppb	217.075 ppb	3.050 ppb	97.360 %	101.956 %
Concentration per Run 3	1.238 ppb	104.164 %	105.326 %	13.302 ppb	0.277 ppb	237.415 ppb	3.471 ppb	101.197 %	96.749 %
Concentration RSD	10.9 %	2.3 %	9.7 %	10.9 %	27.0 %	8.3 %	15.2 %	2.1 %	6.4 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.003 ppb	0.004 ppb	98.341 %	100.243 %	-0.054 ppb	0.051 ppb	44.580 ppb	100.833 %	104.369 %
Concentration per Run 1	0.004 ppb	0.001 ppb	102.004 %	90.360 %	-0.024 ppb	0.055 ppb	50.473 ppb	100.893 %	93.639 %
Concentration per Run 2	0.000 ppb	0.004 ppb	98.721 %	108.350 %	-0.083 ppb	0.049 ppb	39.490 ppb	100.777 %	112.157 %
Concentration per Run 3	0.005 ppb	0.006 ppb	94.299 %	102.019 %	-0.054 ppb	0.050 ppb	43.776 ppb	100.828 %	107.311 %
Concentration RSD	85.7 %	75.4 %	3.9 %	9.1 %	55.9 %	6.6 %	12.4 %	0.1 %	9.2 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	106.005 %	103.224 %	0.015 ppb	0.067 ppb	94.255 %	98.615 %
Concentration per Run 1	108.727 %	91.115 %	0.012 ppb	0.078 ppb	98.215 %	87.820 %
Concentration per Run 2	104.574 %	112.444 %	0.016 ppb	0.062 ppb	94.166 %	105.615 %
Concentration per Run 3	104.715 %	106.111 %	0.018 ppb	0.059 ppb	90.385 %	102.409 %
Concentration RSD	2.2 %	10.6 %	19.5 %	15.0 %	4.2 %	9.6 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 25 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: L2573522-08 6020TL Rack 1
Analysis started at: 12/4/2025 4:40:36 PM Vial 5

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	107.287 %	103.258 %	0.023 ppb	7.839 ppb	5,096.539 ppb	3,942.270 ppb	8.416 ppb	3,924.170 ppb	30,755.396 ppb
Concentration per Run 1	108.830 %	102.355 %	0.017 ppb	7.666 ppb	5,154.632 ppb	3,872.992 ppb	9.455 ppb	3,986.399 ppb	31,183.286 ppb
Concentration per Run 2	107.044 %	107.464 %	0.027 ppb	7.905 ppb	4,856.871 ppb	3,860.970 ppb	7.652 ppb	3,758.147 ppb	29,377.825 ppb
Concentration per Run 3	105.988 %	99.956 %	0.025 ppb	7.948 ppb	5,278.115 ppb	4,092.848 ppb	8.143 ppb	4,027.963 ppb	31,705.076 ppb
Concentration RSD	1.3 %	3.7 %	22.0 %	1.9 %	4.2 %	3.3 %	11.1 %	3.7 %	4.0 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	107.619 %	104.783 %	-0.040 ppb	1.238 ppb	19.281 ppb	24,279.885 ppb	0.107 ppb	1.023 ppb	0.465 ppb
Concentration per Run 1	113.330 %	101.309 %	-0.043 ppb	1.417 ppb	19.350 ppb	24,094.978 ppb	0.107 ppb	0.933 ppb	0.484 ppb
Concentration per Run 2	100.556 %	110.230 %	-0.032 ppb	1.048 ppb	18.087 ppb	23,426.599 ppb	0.098 ppb	1.071 ppb	0.380 ppb
Concentration per Run 3	108.973 %	102.809 %	-0.045 ppb	1.247 ppb	20.406 ppb	25,318.078 ppb	0.116 ppb	1.064 ppb	0.531 ppb
Concentration RSD	6.0 %	4.6 %	17.4 %	14.9 %	6.0 %	4.0 %	8.4 %	7.6 %	16.6 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	1.103 ppb	108.097 %	103.672 %	7.403 ppb	0.197 ppb	110.811 ppb	6.541 ppb	102.578 %	97.356 %
Concentration per Run 1	1.155 ppb	108.961 %	100.642 %	7.308 ppb	0.185 ppb	111.054 ppb	6.598 ppb	102.611 %	95.880 %
Concentration per Run 2	1.044 ppb	107.249 %	108.217 %	7.124 ppb	0.212 ppb	103.172 ppb	6.106 ppb	103.486 %	104.399 %
Concentration per Run 3	1.109 ppb	108.081 %	102.158 %	7.778 ppb	0.193 ppb	118.207 ppb	6.919 ppb	101.638 %	91.789 %
Concentration RSD	5.1 %	0.8 %	3.9 %	4.6 %	6.8 %	6.8 %	6.3 %	0.9 %	6.6 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	-0.001 ppb	0.007 ppb	99.017 %	99.910 %	-0.081 ppb	0.111 ppb	15.561 ppb	99.841 %	103.467 %
Concentration per Run 1	-0.001 ppb	0.010 ppb	100.460 %	99.203 %	-0.079 ppb	0.106 ppb	15.278 ppb	98.590 %	103.587 %
Concentration per Run 2	-0.002 ppb	0.003 ppb	101.844 %	104.007 %	-0.092 ppb	0.106 ppb	14.991 ppb	101.409 %	108.620 %
Concentration per Run 3	0.000 ppb	0.008 ppb	94.748 %	96.520 %	-0.072 ppb	0.119 ppb	16.415 ppb	99.523 %	98.192 %
Concentration RSD	75.6 %	52.2 %	3.8 %	3.8 %	12.4 %	7.0 %	4.8 %	1.4 %	5.0 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	102.451 %	103.617 %	0.010 ppb	0.054 ppb	97.459 %	101.545 %
Concentration per Run 1	99.182 %	101.074 %	0.006 ppb	0.054 ppb	96.206 %	99.794 %
Concentration per Run 2	105.036 %	111.502 %	0.012 ppb	0.051 ppb	96.405 %	107.576 %
Concentration per Run 3	103.135 %	98.273 %	0.012 ppb	0.057 ppb	99.767 %	97.264 %
Concentration RSD	2.9 %	6.7 %	36.5 %	5.5 %	2.1 %	5.3 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 26 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: L2573522-09 6020TL Rack 1
Analysis started at: 12/4/2025 4:45:05 PM Vial 6

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	105.207 %	100.607 %	0.017 ppb	30.796 ppb	13,562.152 ppb	7,143.834 ppb	46.474 ppb	7,210.088 ppb	65,408.884 ppb
Concentration per Run 1	106.784 %	94.002 %	0.016 ppb	29.630 ppb	14,545.440 ppb	7,737.614 ppb	54.859 ppb	7,873.573 ppb	70,315.930 ppb
Concentration per Run 2	108.061 %	103.954 %	0.015 ppb	29.900 ppb	12,888.766 ppb	7,073.207 ppb	40.509 ppb	7,093.416 ppb	60,288.664 ppb
Concentration per Run 3	100.776 %	103.865 %	0.018 ppb	32.857 ppb	13,252.251 ppb	6,620.681 ppb	44.053 ppb	6,663.275 ppb	65,622.058 ppb
Concentration RSD	3.7 %	5.7 %	8.7 %	5.8 %	6.4 %	7.9 %	16.1 %	8.5 %	7.7 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	98.819 %	103.676 %	0.092 ppb	0.227 ppb	40.065 ppb	2,351.065 ppb	0.144 ppb	4.867 ppb	0.843 ppb
Concentration per Run 1	98.988 %	92.543 %	0.119 ppb	0.278 ppb	44.811 ppb	2,801.394 ppb	0.148 ppb	4.611 ppb	0.898 ppb
Concentration per Run 2	95.207 %	107.962 %	0.067 ppb	0.200 ppb	37.935 ppb	2,171.719 ppb	0.128 ppb	4.713 ppb	0.799 ppb
Concentration per Run 3	102.261 %	110.522 %	0.088 ppb	0.203 ppb	37.450 ppb	2,080.082 ppb	0.157 ppb	5.277 ppb	0.833 ppb
Concentration RSD	3.6 %	9.4 %	28.6 %	19.5 %	10.3 %	16.7 %	10.2 %	7.4 %	6.0 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	8.563 ppb	102.402 %	101.629 %	0.917 ppb	0.569 ppb	319.779 ppb	1.976 ppb	99.867 %	94.123 %
Concentration per Run 1	9.598 ppb	103.243 %	94.070 %	1.062 ppb	0.729 ppb	347.589 ppb	2.178 ppb	101.170 %	86.359 %
Concentration per Run 2	8.093 ppb	107.365 %	104.590 %	0.917 ppb	0.457 ppb	307.561 ppb	1.869 ppb	104.542 %	97.277 %
Concentration per Run 3	7.997 ppb	96.598 %	106.227 %	0.771 ppb	0.521 ppb	304.185 ppb	1.881 ppb	93.890 %	98.732 %
Concentration RSD	10.5 %	5.3 %	6.5 %	15.9 %	25.0 %	7.6 %	8.9 %	5.5 %	7.2 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.003 ppb	0.020 ppb	94.708 %	98.896 %	-0.011 ppb	0.080 ppb	71.622 ppb	99.988 %	102.119 %
Concentration per Run 1	0.009 ppb	0.022 ppb	98.462 %	92.399 %	0.012 ppb	0.097 ppb	78.344 ppb	101.105 %	92.591 %
Concentration per Run 2	0.000 ppb	0.020 ppb	99.010 %	101.224 %	-0.021 ppb	0.066 ppb	67.243 ppb	102.687 %	107.163 %
Concentration per Run 3	0.002 ppb	0.018 ppb	86.654 %	103.064 %	-0.025 ppb	0.077 ppb	69.277 ppb	96.173 %	106.604 %
Concentration RSD	133.8 %	9.8 %	7.4 %	5.8 %	182.2 %	19.7 %	8.3 %	3.4 %	8.1 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	101.081 %	100.977 %	0.038 ppb	0.178 ppb	94.096 %	96.397 %
Concentration per Run 1	100.161 %	93.021 %	0.045 ppb	0.227 ppb	94.591 %	87.351 %
Concentration per Run 2	102.793 %	103.918 %	0.033 ppb	0.151 ppb	100.394 %	98.045 %
Concentration per Run 3	100.290 %	105.993 %	0.036 ppb	0.157 ppb	87.304 %	103.795 %
Concentration RSD	1.5 %	6.9 %	15.9 %	23.8 %	7.0 %	8.7 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 27 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: L2573548-01 6020TL Rack 1
Analysis started at: 12/4/2025 4:49:35 PM Vial 7

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	107.353 %	104.635 %	0.014 ppb	178.888 ppb	20,104.986 ppb	12,345.642 ppb	11.499 ppb	4,153.000 ppb	34,646.885 ppb
Concentration per Run 1	106.776 %	101.955 %	0.015 ppb	176.031 ppb	20,501.400 ppb	13,053.576 ppb	12.147 ppb	4,176.150 ppb	34,689.405 ppb
Concentration per Run 2	108.308 %	105.642 %	0.014 ppb	179.249 ppb	20,096.597 ppb	12,315.871 ppb	9.559 ppb	4,288.202 ppb	33,727.726 ppb
Concentration per Run 3	106.974 %	106.309 %	0.012 ppb	181.386 ppb	19,716.960 ppb	11,667.480 ppb	12.792 ppb	3,994.649 ppb	35,523.525 ppb
Concentration RSD	0.8 %	2.2 %	13.6 %	1.5 %	2.0 %	5.6 %	14.9 %	3.6 %	2.6 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	106.422 %	105.853 %	0.069 ppb	0.534 ppb	779.779 ppb	30,454.299 ppb	1.336 ppb	2.215 ppb	0.672 ppb
Concentration per Run 1	101.848 %	101.449 %	0.048 ppb	0.544 ppb	809.681 ppb	31,331.089 ppb	1.410 ppb	2.153 ppb	0.726 ppb
Concentration per Run 2	116.086 %	108.766 %	0.109 ppb	0.513 ppb	760.352 ppb	29,407.762 ppb	1.266 ppb	2.159 ppb	0.651 ppb
Concentration per Run 3	101.331 %	107.342 %	0.048 ppb	0.544 ppb	769.305 ppb	30,624.047 ppb	1.332 ppb	2.331 ppb	0.639 ppb
Concentration RSD	7.9 %	3.7 %	51.4 %	3.3 %	3.4 %	3.2 %	5.4 %	4.6 %	7.0 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	2.902 ppb	105.421 %	104.220 %	3.432 ppb	0.045 ppb	421.390 ppb	1.070 ppb	100.534 %	97.888 %
Concentration per Run 1	3.007 ppb	106.640 %	98.428 %	3.647 ppb	0.066 ppb	439.524 ppb	1.211 ppb	99.939 %	92.594 %
Concentration per Run 2	2.818 ppb	106.310 %	106.896 %	3.308 ppb	0.005 ppb	411.683 ppb	0.932 ppb	98.948 %	99.601 %
Concentration per Run 3	2.879 ppb	103.314 %	107.337 %	3.340 ppb	0.065 ppb	412.964 ppb	1.066 ppb	102.714 %	101.469 %
Concentration RSD	3.3 %	1.7 %	4.8 %	5.5 %	76.7 %	3.7 %	13.0 %	1.9 %	4.8 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.002 ppb	0.011 ppb	94.347 %	99.678 %	0.216 ppb	0.136 ppb	607.165 ppb	99.908 %	105.173 %
Concentration per Run 1	0.002 ppb	0.012 ppb	99.735 %	93.596 %	0.254 ppb	0.138 ppb	631.911 ppb	97.611 %	101.697 %
Concentration per Run 2	0.004 ppb	0.007 ppb	90.459 %	99.783 %	0.225 ppb	0.133 ppb	593.972 ppb	100.633 %	108.703 %
Concentration per Run 3	0.000 ppb	0.014 ppb	92.846 %	105.655 %	0.169 ppb	0.136 ppb	595.612 ppb	101.480 %	105.118 %
Concentration RSD	102.1 %	29.7 %	5.1 %	6.0 %	20.1 %	1.8 %	3.5 %	2.0 %	3.3 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	102.437 %	103.745 %	0.007 ppb	0.282 ppb	93.335 %	98.413 %
Concentration per Run 1	99.171 %	99.937 %	0.005 ppb	0.287 ppb	93.467 %	95.379 %
Concentration per Run 2	104.721 %	105.450 %	0.006 ppb	0.283 ppb	91.982 %	97.885 %
Concentration per Run 3	103.420 %	105.848 %	0.010 ppb	0.276 ppb	94.556 %	101.974 %
Concentration RSD	2.8 %	3.2 %	36.8 %	2.0 %	1.4 %	3.4 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 28
Analysis label: L2573548-02 6020TL
Analysis started at: 12/4/2025 4:54:05 PM
User name ALPHALAB\ICPMSRQ
Rack 1
Vial 8
Comment <Comment>

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	106.732 %	104.369 %	0.070 ppb	220.664 ppb	7,795.692 ppb	10,671.179 ppb	119.942 ppb	7,583.862 ppb	34,812.581 ppb
Concentration per Run 1	108.285 %	102.932 %	0.069 ppb	219.496 ppb	7,914.720 ppb	10,917.465 ppb	127.236 ppb	7,925.276 ppb	35,810.927 ppb
Concentration per Run 2	104.459 %	105.242 %	0.079 ppb	226.956 ppb	7,861.191 ppb	10,481.093 ppb	114.875 ppb	7,264.936 ppb	35,755.759 ppb
Concentration per Run 3	107.451 %	104.931 %	0.063 ppb	215.541 ppb	7,611.166 ppb	10,614.978 ppb	117.716 ppb	7,561.373 ppb	32,871.056 ppb
Concentration RSD	1.9 %	1.2 %	11.7 %	2.6 %	2.1 %	2.1 %	5.4 %	4.4 %	4.8 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	109.183 %	107.038 %	0.915 ppb	0.906 ppb	647.565 ppb	58,580.524 ppb	1.903 ppb	1.730 ppb	0.695 ppb
Concentration per Run 1	107.604 %	102.125 %	0.952 ppb	0.924 ppb	673.004 ppb	60,280.132 ppb	1.996 ppb	1.753 ppb	0.747 ppb
Concentration per Run 2	104.684 %	107.565 %	0.903 ppb	0.908 ppb	636.170 ppb	57,310.707 ppb	1.842 ppb	1.762 ppb	0.647 ppb
Concentration per Run 3	115.262 %	111.423 %	0.890 ppb	0.885 ppb	633.520 ppb	58,150.732 ppb	1.869 ppb	1.674 ppb	0.690 ppb
Concentration RSD	5.0 %	4.4 %	3.6 %	2.2 %	3.4 %	2.6 %	4.3 %	2.8 %	7.2 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	6.632 ppb	106.896 %	104.145 %	1.070 ppb	0.635 ppb	383.188 ppb	0.031 ppb	102.321 %	96.026 %
Concentration per Run 1	6.614 ppb	107.789 %	99.062 %	1.087 ppb	0.628 ppb	394.434 ppb	0.004 ppb	98.116 %	92.021 %
Concentration per Run 2	6.523 ppb	102.549 %	106.869 %	0.950 ppb	0.605 ppb	377.713 ppb	0.029 ppb	106.291 %	95.951 %
Concentration per Run 3	6.758 ppb	110.349 %	106.504 %	1.173 ppb	0.670 ppb	377.417 ppb	0.058 ppb	102.556 %	100.107 %
Concentration RSD	1.8 %	3.7 %	4.2 %	10.5 %	5.2 %	2.5 %	88.0 %	4.0 %	4.2 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.003 ppb	0.049 ppb	95.320 %	100.088 %	1.131 ppb	0.113 ppb	1,033.707 ppb	100.768 %	104.834 %
Concentration per Run 1	0.005 ppb	0.046 ppb	94.687 %	96.836 %	1.144 ppb	0.118 ppb	1,044.579 ppb	101.177 %	103.059 %
Concentration per Run 2	0.001 ppb	0.046 ppb	96.279 %	101.174 %	1.156 ppb	0.111 ppb	1,030.622 ppb	97.688 %	105.531 %
Concentration per Run 3	0.003 ppb	0.056 ppb	94.992 %	102.255 %	1.094 ppb	0.110 ppb	1,025.921 ppb	103.438 %	105.913 %
Concentration RSD	67.4 %	11.1 %	0.9 %	2.9 %	2.9 %	4.2 %	0.9 %	2.9 %	1.5 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	99.872 %	104.770 %	0.011 ppb	4.401 ppb	92.951 %	99.403 %
Concentration per Run 1	100.902 %	102.081 %	0.009 ppb	4.538 ppb	90.451 %	95.681 %
Concentration per Run 2	97.882 %	108.512 %	0.013 ppb	4.330 ppb	94.227 %	99.454 %
Concentration per Run 3	100.833 %	103.718 %	0.012 ppb	4.334 ppb	94.174 %	103.073 %
Concentration RSD	1.7 %	3.2 %	15.4 %	2.7 %	2.3 %	3.7 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	29	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	L2573548-03 6020TL	Rack	1		
Analysis started at:	12/4/2025 4:58:35 PM	Vial	9		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	104.178 %	105.998 %	0.547 ppb	177.114 ppb	7,801.204 ppb	11,921.273 ppb	2,817.858 ppb	7,941.462 ppb	51,089.535 ppb
Concentration per Run 1	103.201 %	103.732 %	0.554 ppb	177.482 ppb	7,853.410 ppb	11,900.809 ppb	2,855.602 ppb	8,263.198 ppb	49,243.422 ppb
Concentration per Run 2	106.374 %	106.264 %	0.553 ppb	171.765 ppb	7,862.016 ppb	11,915.629 ppb	2,709.183 ppb	8,104.918 ppb	51,219.146 ppb
Concentration per Run 3	102.960 %	107.997 %	0.535 ppb	182.094 ppb	7,688.185 ppb	11,947.382 ppb	2,888.790 ppb	7,456.270 ppb	52,806.037 ppb
Concentration RSD	1.8 %	2.0 %	1.9 %	2.9 %	1.3 %	0.2 %	3.4 %	5.4 %	3.5 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	111.261 %	107.170 %	13.464 ppb	12.187 ppb	482.015 ppb	64,097.195 ppb	10.512 ppb	9.623 ppb	22.772 ppb
Concentration per Run 1	114.382 %	105.881 %	13.512 ppb	12.239 ppb	482.681 ppb	63,988.505 ppb	10.960 ppb	9.475 ppb	23.571 ppb
Concentration per Run 2	104.627 %	105.339 %	13.460 ppb	12.480 ppb	482.985 ppb	63,985.779 ppb	10.249 ppb	10.230 ppb	22.789 ppb
Concentration per Run 3	114.774 %	110.290 %	13.421 ppb	11.843 ppb	480.380 ppb	64,317.301 ppb	10.326 ppb	9.165 ppb	21.955 ppb
Concentration RSD	5.2 %	2.5 %	0.3 %	2.6 %	0.3 %	0.3 %	3.7 %	5.7 %	3.5 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	96.737 ppb	105.599 %	103.196 %	15.071 ppb	1.461 ppb	408.647 ppb	0.086 ppb	96.756 %	97.896 %
Concentration per Run 1	99.256 ppb	104.577 %	99.503 %	15.235 ppb	1.593 ppb	404.850 ppb	0.135 ppb	98.964 %	95.053 %
Concentration per Run 2	93.948 ppb	107.021 %	106.250 %	15.005 ppb	1.455 ppb	410.670 ppb	0.070 ppb	93.882 %	97.424 %
Concentration per Run 3	97.008 ppb	105.198 %	103.837 %	14.973 ppb	1.336 ppb	410.420 ppb	0.052 ppb	97.424 %	101.210 %
Concentration RSD	2.8 %	1.2 %	3.3 %	0.9 %	8.8 %	0.8 %	51.2 %	2.7 %	3.2 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.152 ppb	0.581 ppb	93.063 %	100.306 %	0.596 ppb	0.261 ppb	586.585 ppb	95.240 %	103.847 %
Concentration per Run 1	0.139 ppb	0.618 ppb	92.652 %	94.691 %	0.585 ppb	0.279 ppb	603.392 ppb	93.480 %	102.186 %
Concentration per Run 2	0.160 ppb	0.565 ppb	94.327 %	100.598 %	0.644 ppb	0.226 ppb	579.417 ppb	93.506 %	101.475 %
Concentration per Run 3	0.156 ppb	0.560 ppb	92.210 %	105.630 %	0.559 ppb	0.280 ppb	576.946 ppb	98.735 %	107.880 %
Concentration RSD	7.5 %	5.5 %	1.2 %	5.5 %	7.3 %	11.9 %	2.5 %	3.2 %	3.4 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	95.995 %	104.599 %	0.069 ppb	19.785 ppb	90.089 %	98.493 %
Concentration per Run 1	93.430 %	98.965 %	0.072 ppb	19.995 ppb	90.409 %	95.737 %
Concentration per Run 2	94.066 %	104.600 %	0.068 ppb	20.118 ppb	89.683 %	96.905 %
Concentration per Run 3	100.488 %	110.233 %	0.066 ppb	19.244 ppb	90.176 %	102.838 %
Concentration RSD	4.1 %	5.4 %	5.0 %	2.4 %	0.4 %	3.9 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 30 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: L2573548-04 6020TL Rack 1
Analysis started at: 12/4/2025 5:03:05 PM Vial 10

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	103.315 %	99.023 %	0.034 ppb	289.519 ppb	58,254.504 ppb	36,611.651 ppb	117.172 ppb	20,095.690 ppb	188,153.089 ppb
Concentration per Run 1	101.847 %	94.002 %	0.033 ppb	297.900 ppb	60,440.885 ppb	40,541.496 ppb	107.588 ppb	21,686.038 ppb	186,710.780 ppb
Concentration per Run 2	103.391 %	98.845 %	0.034 ppb	287.429 ppb	58,723.417 ppb	35,909.475 ppb	124.872 ppb	19,986.622 ppb	194,914.155 ppb
Concentration per Run 3	104.705 %	104.221 %	0.035 ppb	283.227 ppb	55,599.208 ppb	33,383.981 ppb	119.055 ppb	18,614.410 ppb	182,834.334 ppb
Concentration RSD	1.4 %	5.2 %	3.3 %	2.6 %	4.2 %	9.9 %	7.5 %	7.7 %	3.3 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	107.320 %	102.113 %	2.214 ppb	0.822 ppb	1,179.273 ppb	6,035.102 ppb	0.679 ppb	2.954 ppb	0.784 ppb
Concentration per Run 1	112.237 %	97.328 %	2.306 ppb	0.854 ppb	1,241.651 ppb	6,482.440 ppb	0.755 ppb	2.892 ppb	0.840 ppb
Concentration per Run 2	105.468 %	101.553 %	2.310 ppb	0.818 ppb	1,160.371 ppb	5,932.341 ppb	0.632 ppb	2.878 ppb	0.821 ppb
Concentration per Run 3	104.255 %	107.460 %	2.025 ppb	0.793 ppb	1,135.798 ppb	5,690.525 ppb	0.650 ppb	3.091 ppb	0.691 ppb
Concentration RSD	4.0 %	5.0 %	7.4 %	3.7 %	4.7 %	6.7 %	9.8 %	4.0 %	10.3 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	3.656 ppb	103.088 %	99.929 %	0.583 ppb	0.333 ppb	1,019.999 ppb	0.361 ppb	96.521 %	92.891 %
Concentration per Run 1	4.000 ppb	103.742 %	93.375 %	0.622 ppb	0.344 ppb	1,066.344 ppb	0.392 ppb	98.153 %	88.272 %
Concentration per Run 2	3.580 ppb	102.769 %	101.786 %	0.460 ppb	0.334 ppb	996.594 ppb	0.361 ppb	96.830 %	94.056 %
Concentration per Run 3	3.389 ppb	102.754 %	104.626 %	0.668 ppb	0.321 ppb	997.060 ppb	0.331 ppb	94.579 %	96.346 %
Concentration RSD	8.5 %	0.5 %	5.9 %	18.7 %	3.4 %	3.9 %	8.5 %	1.9 %	4.5 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.003 ppb	0.016 ppb	93.451 %	95.209 %	0.074 ppb	0.172 ppb	233.956 ppb	96.699 %	103.387 %
Concentration per Run 1	-0.002 ppb	0.018 ppb	95.115 %	88.726 %	0.063 ppb	0.174 ppb	243.406 ppb	93.511 %	100.322 %
Concentration per Run 2	0.004 ppb	0.018 ppb	93.110 %	96.637 %	0.087 ppb	0.176 ppb	231.085 ppb	99.264 %	102.991 %
Concentration per Run 3	0.007 ppb	0.013 ppb	92.128 %	100.263 %	0.073 ppb	0.165 ppb	227.379 ppb	97.323 %	106.847 %
Concentration RSD	163.1 %	17.0 %	1.6 %	6.2 %	16.4 %	3.3 %	3.6 %	3.0 %	3.2 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	100.232 %	102.457 %	0.007 ppb	1.618 ppb	89.530 %	91.702 %
Concentration per Run 1	99.500 %	94.944 %	0.004 ppb	1.731 ppb	89.786 %	84.766 %
Concentration per Run 2	100.283 %	103.979 %	0.008 ppb	1.600 ppb	89.012 %	92.826 %
Concentration per Run 3	100.913 %	108.447 %	0.009 ppb	1.522 ppb	89.792 %	97.514 %
Concentration RSD	0.7 %	6.7 %	37.7 %	6.5 %	0.5 %	7.0 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 31 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: CCV Rack 0
Analysis started at: 12/4/2025 5:07:36 PM Vial 9

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	112.227 %	106.220 %	57.585 ppb	57.220 ppb	5,758.409 ppb	5,932.131 ppb	59.515 ppb	6,054.414 ppb	5,662.025 ppb
Concentration per Run 1	108.675 %	99.733 %	59.400 ppb	59.373 ppb	6,069.672 ppb	5,946.062 ppb	59.841 ppb	6,153.928 ppb	5,920.874 ppb
Concentration per Run 2	116.300 %	111.285 %	55.831 ppb	55.051 ppb	5,511.509 ppb	5,686.564 ppb	56.075 ppb	5,985.538 ppb	5,587.421 ppb
Concentration per Run 3	111.707 %	107.642 %	57.526 ppb	57.236 ppb	5,694.045 ppb	6,163.766 ppb	62.627 ppb	6,023.774 ppb	5,477.781 ppb
Recovery Percentage 1			95.976 %	95.367 %	95.973 %	98.869 %	99.191 %	100.907 %	94.367 %
Concentration RSD	3.4 %	5.6 %	3.1 %	3.8 %	4.9 %	4.0 %	5.5 %	1.5 %	4.1 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	109.257 %	108.327 %	57.982 ppb	55.425 ppb	58.090 ppb	5,590.100 ppb	58.053 ppb	58.842 ppb	56.016 ppb
Concentration per Run 1	102.279 %	103.455 %	58.800 ppb	58.448 ppb	59.868 ppb	5,748.856 ppb	61.481 ppb	60.086 ppb	57.992 ppb
Concentration per Run 2	115.180 %	109.610 %	57.431 ppb	54.110 ppb	56.479 ppb	5,459.070 ppb	56.303 ppb	53.713 ppb	56.499 ppb
Concentration per Run 3	110.313 %	111.916 %	57.715 ppb	53.717 ppb	57.922 ppb	5,562.373 ppb	56.375 ppb	62.725 ppb	53.557 ppb
Recovery Percentage 1			96.637 %	92.375 %	96.816 %	93.168 %	96.755 %	98.069 %	93.360 %
Concentration RSD	6.0 %	4.0 %	1.2 %	4.7 %	2.9 %	2.6 %	5.1 %	7.9 %	4.0 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	56.558 ppb	111.428 %	101.310 %	58.347 ppb	59.833 ppb	59.719 ppb	58.627 ppb	107.817 %	97.075 %
Concentration per Run 1	58.227 ppb	113.342 %	96.725 %	60.100 ppb	60.284 ppb	60.872 ppb	59.839 ppb	108.523 %	93.421 %
Concentration per Run 2	54.777 ppb	109.243 %	104.549 %	55.602 ppb	57.488 ppb	58.926 ppb	55.746 ppb	108.676 %	98.198 %
Concentration per Run 3	56.669 ppb	111.697 %	102.654 %	59.340 ppb	61.728 ppb	59.358 ppb	60.296 ppb	106.251 %	99.605 %
Recovery Percentage 1	94.263 %			97.245 %	99.722 %	99.531 %	97.712 %		
Concentration RSD	3.1 %	1.9 %	4.0 %	4.1 %	3.6 %	1.7 %	4.3 %	1.3 %	3.3 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	56.376 ppb	57.285 ppb	102.389 %	102.678 %	55.935 ppb	54.939 ppb	58.339 ppb	103.419 %	104.819 %
Concentration per Run 1	58.668 ppb	60.273 ppb	98.692 %	96.687 %	58.547 ppb	55.817 ppb	61.917 ppb	107.342 %	98.265 %
Concentration per Run 2	56.226 ppb	55.936 ppb	104.069 %	103.815 %	54.712 ppb	53.961 ppb	56.889 ppb	99.970 %	107.440 %
Concentration per Run 3	54.233 ppb	55.644 ppb	104.407 %	107.532 %	54.546 ppb	55.037 ppb	56.210 ppb	102.945 %	108.752 %
Recovery Percentage 1	93.959 %	95.474 %			93.225 %	91.564 %	97.231 %		
Concentration RSD	3.9 %	4.5 %	3.1 %	5.4 %	4.0 %	1.7 %	5.3 %	3.6 %	5.5 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	107.987 %	106.179 %	57.674 ppb	57.412 ppb	100.648 %	103.020 %
Concentration per Run 1	106.936 %	101.879 %	59.792 ppb	59.613 ppb	99.630 %	98.475 %
Concentration per Run 2	107.859 %	106.819 %	56.170 ppb	56.266 ppb	102.635 %	104.210 %
Concentration per Run 3	109.165 %	109.841 %	57.061 ppb	56.356 ppb	99.680 %	106.375 %
Recovery Percentage 1			96.124 %	95.686 %		
Concentration RSD	1.0 %	3.8 %	3.3 %	3.3 %	1.7 %	4.0 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 32 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: CCB Rack 0
Analysis started at: 12/4/2025 5:12:10 PM Vial 10

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	113.228 %	109.196 %	0.017 ppb	0.360 ppb	-27.363 ppb	0.550 ppb	0.437 ppb	4.109 ppb	14.085 ppb
Concentration per Run 1	113.851 %	109.685 %	0.013 ppb	0.370 ppb	-25.320 ppb	1.159 ppb	0.173 ppb	5.742 ppb	14.491 ppb
Concentration per Run 2	111.999 %	107.286 %	0.019 ppb	0.372 ppb	-25.617 ppb	0.134 ppb	0.163 ppb	3.637 ppb	7.048 ppb
Concentration per Run 3	113.834 %	110.618 %	0.018 ppb	0.339 ppb	-31.153 ppb	0.357 ppb	0.975 ppb	2.949 ppb	20.717 ppb
Recovery Percentage 1			3.346 %	3.603 %	-5.473 %	0.785 %	4.369 %	4.109 %	14.085 %
Concentration RSD	0.9 %	1.6 %	18.6 %	5.2 %	12.0 %	98.0 %	106.7 %	35.4 %	48.6 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	108.473 %	107.509 %	-0.052 ppb	0.000 ppb	0.484 ppb	4.068 ppb	0.009 ppb	0.182 ppb	0.105 ppb
Concentration per Run 1	106.880 %	102.927 %	-0.060 ppb	-0.020 ppb	0.511 ppb	5.591 ppb	0.010 ppb	0.158 ppb	0.126 ppb
Concentration per Run 2	113.103 %	106.961 %	-0.055 ppb	0.006 ppb	0.487 ppb	3.183 ppb	0.011 ppb	0.235 ppb	0.124 ppb
Concentration per Run 3	105.436 %	112.638 %	-0.040 ppb	0.013 ppb	0.455 ppb	3.428 ppb	0.007 ppb	0.154 ppb	0.064 ppb
Recovery Percentage 1			-1.033 %	-0.033 %	48.446 %	8.135 %	1.890 %	9.121 %	10.455 %
Concentration RSD	3.8 %	4.5 %	20.3 %	5,105.9 %	5.7 %	32.6 %	20.1 %	25.1 %	33.8 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.759 ppb	107.079 %	102.300 %	-0.056 ppb	-0.002 ppb	0.021 ppb	0.083 ppb	112.122 %	101.691 %
Concentration per Run 1	0.781 ppb	107.631 %	100.644 %	-0.143 ppb	-0.010 ppb	0.030 ppb	0.055 ppb	108.270 %	98.128 %
Concentration per Run 2	0.806 ppb	104.581 %	103.714 %	0.054 ppb	-0.026 ppb	0.026 ppb	0.068 ppb	116.987 %	100.862 %
Concentration per Run 3	0.691 ppb	109.025 %	102.540 %	-0.078 ppb	0.029 ppb	0.007 ppb	0.127 ppb	111.107 %	106.082 %
Recovery Percentage 1	15.188 %			-11.184 %	-0.047 %	4.188 %	4.168 %		
Concentration RSD	8.0 %	2.1 %	1.5 %	179.2 %	1,187.5 %	59.3 %	45.8 %	4.0 %	4.0 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.004 ppb	0.004 ppb	101.036 %	102.654 %	0.187 ppb	0.066 ppb	0.053 ppb	102.864 %	105.718 %
Concentration per Run 1	0.005 ppb	0.000 ppb	103.372 %	98.645 %	0.200 ppb	0.054 ppb	0.071 ppb	99.632 %	103.382 %
Concentration per Run 2	0.000 ppb	0.006 ppb	97.155 %	103.093 %	0.239 ppb	0.058 ppb	0.023 ppb	103.824 %	104.186 %
Concentration per Run 3	0.007 ppb	0.006 ppb	102.582 %	106.223 %	0.123 ppb	0.086 ppb	0.066 ppb	105.136 %	109.585 %
Recovery Percentage 1	0.915 %	1.965 %			6.240 %	1.643 %	10.692 %		
Concentration RSD	94.7 %	75.9 %	3.4 %	3.7 %	31.5 %	26.6 %	49.1 %	2.8 %	3.2 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	104.761 %	104.973 %	0.173 ppb	0.013 ppb	102.956 %	105.717 %
Concentration per Run 1	102.994 %	102.463 %	0.138 ppb	0.013 ppb	104.163 %	101.347 %
Concentration per Run 2	107.477 %	105.245 %	0.197 ppb	0.015 ppb	102.784 %	105.244 %
Concentration per Run 3	103.811 %	107.211 %	0.184 ppb	0.011 ppb	101.923 %	110.561 %
Recovery Percentage 1			17.303 %	1.310 %		
Concentration RSD	2.3 %	2.3 %	17.8 %	17.8 %	1.1 %	4.4 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 33 User name ALPHALAB\ICPMSRQ Comment fb
Analysis label: L2573548-06 6020TL Rack 1
Analysis started at: 12/4/2025 5:22:16 PM Vial 12

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	120.913 %	114.913 %	0.009 ppb	0.293 ppb	-40.850 ppb	0.778 ppb	2.902 ppb	-5.573 ppb	7.763 ppb
Concentration per Run 1	123.595 %	112.617 %	0.007 ppb	0.284 ppb	-37.754 ppb	0.333 ppb	3.593 ppb	-7.653 ppb	10.803 ppb
Concentration per Run 2	120.815 %	116.705 %	0.008 ppb	0.287 ppb	-41.602 ppb	0.929 ppb	3.186 ppb	-4.861 ppb	8.537 ppb
Concentration per Run 3	118.329 %	115.417 %	0.011 ppb	0.308 ppb	-43.195 ppb	1.071 ppb	1.925 ppb	-4.203 ppb	3.951 ppb
Concentration RSD	2.2 %	1.8 %	22.4 %	4.4 %	6.8 %	50.4 %	30.0 %	32.9 %	45.0 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	124.038 %	117.583 %	-0.082 ppb	0.054 ppb	0.066 ppb	3.202 ppb	0.004 ppb	0.011 ppb	2.238 ppb
Concentration per Run 1	128.437 %	114.019 %	-0.088 ppb	0.071 ppb	0.080 ppb	4.015 ppb	0.001 ppb	-0.008 ppb	2.349 ppb
Concentration per Run 2	122.438 %	119.171 %	-0.062 ppb	0.050 ppb	0.061 ppb	3.667 ppb	0.004 ppb	0.036 ppb	2.229 ppb
Concentration per Run 3	121.237 %	119.557 %	-0.096 ppb	0.041 ppb	0.057 ppb	1.924 ppb	0.007 ppb	0.004 ppb	2.137 ppb
Concentration RSD	3.1 %	2.6 %	21.9 %	28.7 %	18.2 %	35.0 %	80.7 %	211.3 %	4.8 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	1.437 ppb	116.514 %	107.499 %	0.003 ppb	0.017 ppb	0.031 ppb	0.011 ppb	116.975 %	105.104 %
Concentration per Run 1	1.417 ppb	122.481 %	105.928 %	-0.034 ppb	0.040 ppb	0.030 ppb	0.033 ppb	120.411 %	103.824 %
Concentration per Run 2	1.399 ppb	111.810 %	106.925 %	0.028 ppb	0.040 ppb	0.027 ppb	-0.014 ppb	112.625 %	107.172 %
Concentration per Run 3	1.496 ppb	115.252 %	109.644 %	0.014 ppb	-0.029 ppb	0.035 ppb	0.014 ppb	117.889 %	104.318 %
Concentration RSD	3.6 %	4.7 %	1.8 %	1,281.5 %	235.5 %	13.3 %	212.6 %	3.4 %	1.7 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	-0.001 ppb	-0.001 ppb	110.800 %	112.327 %	-0.033 ppb	0.030 ppb	0.176 ppb	114.047 %	111.190 %
Concentration per Run 1	-0.002 ppb	-0.001 ppb	111.334 %	110.567 %	-0.030 ppb	0.040 ppb	0.165 ppb	113.310 %	108.382 %
Concentration per Run 2	-0.001 ppb	-0.001 ppb	111.465 %	112.177 %	-0.018 ppb	0.025 ppb	0.192 ppb	115.358 %	113.552 %
Concentration per Run 3	0.000 ppb	-0.001 ppb	109.602 %	114.237 %	-0.050 ppb	0.026 ppb	0.170 ppb	113.472 %	111.636 %
Concentration RSD	121.4 %	0.0 %	0.9 %	1.6 %	49.3 %	26.9 %	8.3 %	1.0 %	2.4 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	119.675 %	111.984 %	0.054 ppb	0.026 ppb	111.084 %	113.474 %
Concentration per Run 1	122.594 %	111.341 %	0.051 ppb	0.028 ppb	113.525 %	110.557 %
Concentration per Run 2	117.400 %	111.542 %	0.066 ppb	0.026 ppb	112.783 %	114.746 %
Concentration per Run 3	119.032 %	113.070 %	0.045 ppb	0.025 ppb	106.945 %	115.119 %
Concentration RSD	2.2 %	0.8 %	19.8 %	5.5 %	3.2 %	2.2 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	34	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	L2573548-05 6020TL	Rack	1		
Analysis started at:	12/4/2025 5:26:46 PM	Vial	11		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	111.381 %	104.398 %	0.012 ppb	179.765 ppb	21,304.058 ppb	12,877.947 ppb	13.984 ppb	4,167.620 ppb	35,869.015 ppb
Concentration per Run 1	113.605 %	108.352 %	0.013 ppb	178.516 ppb	20,251.565 ppb	13,054.412 ppb	12.310 ppb	4,379.795 ppb	33,772.995 ppb
Concentration per Run 2	111.415 %	105.509 %	0.015 ppb	178.632 ppb	21,485.815 ppb	12,734.671 ppb	13.406 ppb	3,967.999 ppb	37,503.558 ppb
Concentration per Run 3	109.123 %	99.334 %	0.007 ppb	182.148 ppb	22,174.793 ppb	12,844.758 ppb	16.236 ppb	4,155.065 ppb	36,330.492 ppb
Concentration RSD	2.0 %	4.4 %	37.3 %	1.1 %	4.6 %	1.3 %	14.5 %	4.9 %	5.3 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	115.768 %	108.062 %	0.018 ppb	0.546 ppb	791.015 ppb	31,143.975 ppb	1.330 ppb	2.302 ppb	0.432 ppb
Concentration per Run 1	115.343 %	105.171 %	0.011 ppb	0.535 ppb	797.302 ppb	30,244.818 ppb	1.388 ppb	2.280 ppb	0.393 ppb
Concentration per Run 2	114.121 %	110.140 %	0.022 ppb	0.556 ppb	781.226 ppb	30,910.026 ppb	1.276 ppb	2.246 ppb	0.475 ppb
Concentration per Run 3	117.840 %	108.876 %	0.021 ppb	0.547 ppb	794.516 ppb	32,277.081 ppb	1.326 ppb	2.379 ppb	0.429 ppb
Concentration RSD	1.6 %	2.4 %	35.7 %	1.9 %	1.1 %	3.3 %	4.2 %	3.0 %	9.6 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	3.701 ppb	111.845 %	105.627 %	3.405 ppb	0.067 ppb	444.235 ppb	1.129 ppb	105.632 %	96.902 %
Concentration per Run 1	3.800 ppb	116.838 %	103.578 %	3.468 ppb	0.040 ppb	436.538 ppb	0.964 ppb	108.563 %	99.911 %
Concentration per Run 2	3.409 ppb	109.409 %	108.759 %	3.174 ppb	0.002 ppb	437.430 ppb	1.068 ppb	105.368 %	96.800 %
Concentration per Run 3	3.893 ppb	109.288 %	104.545 %	3.573 ppb	0.160 ppb	458.738 ppb	1.356 ppb	102.965 %	93.995 %
Concentration RSD	6.9 %	3.9 %	2.6 %	6.1 %	122.9 %	2.8 %	18.0 %	2.7 %	3.1 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.003 ppb	0.015 ppb	102.806 %	101.797 %	0.237 ppb	0.141 ppb	632.168 ppb	107.796 %	107.483 %
Concentration per Run 1	0.003 ppb	0.022 ppb	106.290 %	102.489 %	0.255 ppb	0.127 ppb	615.547 ppb	106.979 %	106.738 %
Concentration per Run 2	0.002 ppb	0.009 ppb	105.417 %	103.647 %	0.159 ppb	0.136 ppb	602.560 ppb	106.127 %	110.790 %
Concentration per Run 3	0.005 ppb	0.013 ppb	96.711 %	99.256 %	0.296 ppb	0.160 ppb	678.395 ppb	110.283 %	104.919 %
Concentration RSD	49.0 %	46.9 %	5.2 %	2.2 %	29.9 %	11.9 %	6.4 %	2.0 %	2.8 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	108.458 %	107.097 %	0.017 ppb	0.299 ppb	100.022 %	102.365 %
Concentration per Run 1	112.795 %	106.507 %	0.010 ppb	0.307 ppb	101.008 %	99.620 %
Concentration per Run 2	105.674 %	110.675 %	0.019 ppb	0.288 ppb	96.421 %	105.407 %
Concentration per Run 3	106.904 %	104.109 %	0.023 ppb	0.304 ppb	102.637 %	102.069 %
Concentration RSD	3.5 %	3.1 %	39.5 %	3.4 %	3.2 %	2.8 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	35	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	L2573548-07 6020TL	Rack	1		
Analysis started at:	12/4/2025 5:31:17 PM	Vial	13		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	108.532 %	109.226 %	0.075 ppb	105.123 ppb	5,627.910 ppb	6,910.301 ppb	156.880 ppb	2,737.560 ppb	20,654.789 ppb
Concentration per Run 1	106.494 %	104.976 %	0.068 ppb	105.663 ppb	5,789.976 ppb	7,190.260 ppb	170.289 ppb	2,806.029 ppb	21,107.389 ppb
Concentration per Run 2	108.373 %	102.399 %	0.083 ppb	106.156 ppb	5,951.505 ppb	7,632.338 ppb	157.341 ppb	2,974.939 ppb	22,015.641 ppb
Concentration per Run 3	110.730 %	120.304 %	0.074 ppb	103.550 ppb	5,142.248 ppb	5,908.305 ppb	143.010 ppb	2,431.713 ppb	18,841.337 ppb
Concentration RSD	2.0 %	8.9 %	10.2 %	1.3 %	7.6 %	13.0 %	8.7 %	10.2 %	7.9 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	111.744 %	110.239 %	2.473 ppb	1.230 ppb	998.838 ppb	39,201.994 ppb	91.022 ppb	35.048 ppb	5.810 ppb
Concentration per Run 1	110.371 %	104.434 %	2.575 ppb	1.288 ppb	1,062.398 ppb	42,092.372 ppb	92.666 ppb	36.123 ppb	6.208 ppb
Concentration per Run 2	106.484 %	106.222 %	2.562 ppb	1.279 ppb	1,043.376 ppb	40,150.289 ppb	97.064 ppb	33.248 ppb	6.332 ppb
Concentration per Run 3	118.378 %	120.060 %	2.281 ppb	1.124 ppb	890.741 ppb	35,363.319 ppb	83.337 ppb	35.771 ppb	4.892 ppb
Concentration RSD	5.4 %	7.8 %	6.7 %	7.5 %	9.4 %	8.8 %	7.7 %	4.5 %	13.7 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	74.520 ppb	109.742 %	107.365 %	10.280 ppb	0.809 ppb	163.496 ppb	0.449 ppb	102.321 %	101.942 %
Concentration per Run 1	79.913 ppb	108.164 %	99.714 %	11.205 ppb	0.801 ppb	173.849 ppb	0.477 ppb	100.937 %	96.435 %
Concentration per Run 2	75.431 ppb	105.793 %	103.971 %	10.449 ppb	0.891 ppb	171.846 ppb	0.491 ppb	103.447 %	96.912 %
Concentration per Run 3	68.216 ppb	115.268 %	118.409 %	9.186 ppb	0.736 ppb	144.794 ppb	0.377 ppb	102.580 %	112.479 %
Concentration RSD	7.9 %	4.5 %	9.1 %	9.9 %	9.6 %	9.9 %	13.9 %	1.2 %	9.0 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.020 ppb	0.312 ppb	96.839 %	106.143 %	0.003 ppb	0.520 ppb	165.517 ppb	104.927 %	107.901 %
Concentration per Run 1	0.017 ppb	0.330 ppb	94.930 %	98.401 %	0.021 ppb	0.535 ppb	177.632 ppb	102.121 %	99.761 %
Concentration per Run 2	0.024 ppb	0.325 ppb	96.798 %	104.087 %	0.001 ppb	0.563 ppb	171.434 ppb	106.368 %	102.230 %
Concentration per Run 3	0.020 ppb	0.280 ppb	98.789 %	115.942 %	-0.014 ppb	0.463 ppb	147.483 ppb	106.291 %	121.712 %
Concentration RSD	16.1 %	8.9 %	2.0 %	8.4 %	619.3 %	9.9 %	9.6 %	2.3 %	11.1 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	104.626 %	109.214 %	1.086 ppb	1.376 ppb	96.627 %	104.562 %
Concentration per Run 1	101.794 %	101.028 %	1.186 ppb	1.484 ppb	93.776 %	97.643 %
Concentration per Run 2	103.352 %	106.049 %	1.112 ppb	1.421 ppb	98.993 %	101.782 %
Concentration per Run 3	108.733 %	120.564 %	0.960 ppb	1.222 ppb	97.111 %	114.262 %
Concentration RSD	3.5 %	9.3 %	10.6 %	10.0 %	2.7 %	8.3 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	36	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	I2558607-77 6020TL	Rack	1		
Analysis started at:	12/4/2025 5:35:44 PM	Vial	16		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	100.943 %	99.526 %	0.132 ppb	408.576 ppb	155,978.040 ppb	14,720.688 ppb	663.105 ppb	18,075.183 ppb	129,996.524 ppb
Concentration per Run 1	100.407 %	100.977 %	0.131 ppb	410.841 ppb	158,310.095 ppb	15,515.381 ppb	683.774 ppb	18,845.618 ppb	137,524.877 ppb
Concentration per Run 2	100.494 %	99.511 %	0.130 ppb	416.401 ppb	156,867.229 ppb	15,376.675 ppb	609.921 ppb	18,410.015 ppb	127,447.263 ppb
Concentration per Run 3	101.930 %	98.090 %	0.135 ppb	398.486 ppb	152,756.794 ppb	13,270.008 ppb	695.620 ppb	16,969.916 ppb	125,017.432 ppb
Concentration RSD	0.8 %	1.5 %	2.0 %	2.2 %	1.8 %	8.5 %	7.0 %	5.4 %	5.1 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	99.155 %	99.731 %	3.802 ppb	1.414 ppb	263.056 ppb	4,240.803 ppb	2.623 ppb	11.516 ppb	17.569 ppb
Concentration per Run 1	93.306 %	93.148 %	4.123 ppb	1.515 ppb	274.848 ppb	4,543.512 ppb	2.674 ppb	11.558 ppb	18.016 ppb
Concentration per Run 2	98.186 %	101.303 %	3.483 ppb	1.401 ppb	263.020 ppb	4,153.809 ppb	2.645 ppb	12.228 ppb	17.610 ppb
Concentration per Run 3	105.972 %	104.743 %	3.800 ppb	1.327 ppb	251.299 ppb	4,025.087 ppb	2.550 ppb	10.763 ppb	17.080 ppb
Concentration RSD	6.4 %	6.0 %	8.4 %	6.7 %	4.5 %	6.4 %	2.5 %	6.4 %	2.7 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	134.978 ppb	104.201 %	101.898 %	5.879 ppb	1.200 ppb	1,134.342 ppb	3.225 ppb	93.448 %	93.113 %
Concentration per Run 1	139.648 ppb	106.629 %	98.955 %	5.990 ppb	1.149 ppb	1,176.139 ppb	3.275 ppb	92.804 %	87.512 %
Concentration per Run 2	132.816 ppb	101.151 %	101.503 %	5.992 ppb	1.384 ppb	1,123.041 ppb	3.332 ppb	90.974 %	94.581 %
Concentration per Run 3	132.469 ppb	104.822 %	105.235 %	5.656 ppb	1.066 ppb	1,103.845 ppb	3.067 ppb	96.567 %	97.246 %
Concentration RSD	3.0 %	2.7 %	3.1 %	3.3 %	13.8 %	3.3 %	4.3 %	3.1 %	5.4 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.022 ppb	0.660 ppb	89.187 %	98.612 %	0.123 ppb	2.068 ppb	2,736.762 ppb	97.280 %	103.827 %
Concentration per Run 1	0.022 ppb	0.701 ppb	87.763 %	94.586 %	0.123 ppb	2.143 ppb	2,841.068 ppb	96.823 %	98.377 %
Concentration per Run 2	0.019 ppb	0.613 ppb	90.032 %	100.444 %	0.110 ppb	2.026 ppb	2,726.182 ppb	95.699 %	104.653 %
Concentration per Run 3	0.024 ppb	0.668 ppb	89.766 %	100.807 %	0.135 ppb	2.034 ppb	2,643.037 ppb	99.318 %	108.451 %
Concentration RSD	11.3 %	6.7 %	1.4 %	3.5 %	10.4 %	3.2 %	3.6 %	1.9 %	4.9 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	95.714 %	104.088 %	0.342 ppb	8.191 ppb	84.505 %	93.974 %
Concentration per Run 1	95.408 %	100.669 %	0.366 ppb	8.609 ppb	82.405 %	88.807 %
Concentration per Run 2	94.076 %	105.011 %	0.326 ppb	8.068 ppb	83.493 %	94.859 %
Concentration per Run 3	97.657 %	106.585 %	0.333 ppb	7.894 ppb	87.618 %	98.254 %
Concentration RSD	1.9 %	2.9 %	6.2 %	4.6 %	3.3 %	5.1 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	37	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	WG2146468-3d10 6020TL	Rack	1		
Analysis started at:	12/4/2025 5:40:12 PM	Vial	17		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	108.065 %	100.770 %	4.784 ppb	143.806 ppb	17,355.667 ppb	2,642.285 ppb	267.634 ppb	2,900.334 ppb	14,191.000 ppb
Concentration per Run 1	112.163 %	97.334 %	4.598 ppb	137.222 ppb	17,857.303 ppb	2,802.894 ppb	274.524 ppb	2,916.881 ppb	14,584.858 ppb
Concentration per Run 2	107.515 %	99.822 %	4.852 ppb	146.313 ppb	17,239.202 ppb	2,588.533 ppb	268.522 ppb	2,858.325 ppb	15,177.793 ppb
Concentration per Run 3	104.518 %	105.154 %	4.901 ppb	147.884 ppb	16,970.497 ppb	2,535.427 ppb	259.858 ppb	2,925.797 ppb	12,810.347 ppb
Concentration RSD	3.6 %	4.0 %	3.4 %	4.0 %	2.6 %	5.4 %	2.8 %	1.3 %	8.7 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	111.672 %	105.145 %	45.971 ppb	17.373 ppb	73.857 ppb	561.457 ppb	44.403 ppb	47.745 ppb	25.100 ppb
Concentration per Run 1	116.379 %	100.601 %	50.336 ppb	18.196 ppb	77.193 ppb	561.208 ppb	46.183 ppb	44.029 ppb	24.978 ppb
Concentration per Run 2	105.857 %	107.084 %	41.638 ppb	16.803 ppb	71.930 ppb	569.365 ppb	43.830 ppb	51.229 ppb	25.128 ppb
Concentration per Run 3	112.780 %	107.751 %	45.937 ppb	17.122 ppb	72.449 ppb	553.799 ppb	43.194 ppb	47.976 ppb	25.193 ppb
Concentration RSD	4.8 %	3.8 %	9.5 %	4.2 %	3.9 %	1.4 %	3.5 %	7.6 %	0.4 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	60.198 ppb	109.561 %	100.255 %	12.770 ppb	12.285 ppb	223.653 ppb	99.394 ppb	104.351 %	95.758 %
Concentration per Run 1	61.797 ppb	113.936 %	96.457 %	13.050 ppb	12.644 ppb	230.735 ppb	101.193 ppb	103.969 %	92.223 %
Concentration per Run 2	60.238 ppb	106.550 %	100.450 %	12.294 ppb	12.163 ppb	220.619 ppb	98.935 ppb	102.961 %	95.814 %
Concentration per Run 3	58.558 ppb	108.197 %	103.857 %	12.965 ppb	12.047 ppb	219.604 ppb	98.052 ppb	106.123 %	99.235 %
Concentration RSD	2.7 %	3.5 %	3.7 %	3.2 %	2.6 %	2.8 %	1.6 %	1.5 %	3.7 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	4.450 ppb	5.173 ppb	99.542 %	101.013 %	90.163 ppb	47.878 ppb	467.625 ppb	105.423 %	105.817 %
Concentration per Run 1	4.605 ppb	5.100 ppb	100.297 %	98.278 %	91.068 ppb	49.659 ppb	480.112 ppb	107.559 %	100.889 %
Concentration per Run 2	4.408 ppb	5.212 ppb	100.379 %	103.366 %	89.649 ppb	46.651 ppb	458.909 ppb	102.752 %	106.991 %
Concentration per Run 3	4.337 ppb	5.206 ppb	97.951 %	101.394 %	89.773 ppb	47.325 ppb	463.852 ppb	105.957 %	109.569 %
Concentration RSD	3.1 %	1.2 %	1.4 %	2.5 %	0.9 %	3.3 %	2.4 %	2.3 %	4.2 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	106.474 %	105.648 %	12.338 ppb	53.141 ppb	97.553 %	100.301 %
Concentration per Run 1	110.017 %	100.876 %	12.636 ppb	55.187 ppb	96.552 %	96.730 %
Concentration per Run 2	104.134 %	106.905 %	12.007 ppb	52.262 ppb	99.168 %	101.796 %
Concentration per Run 3	105.272 %	109.163 %	12.370 ppb	51.972 ppb	96.939 %	102.378 %
Concentration RSD	2.9 %	4.1 %	2.6 %	3.3 %	1.4 %	3.1 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 38
Analysis label: WG2146468-4 6020TL
Analysis started at: 12/4/2025 5:44:40 PM
User name ALPHALAB\ICPMSRQ
Rack 1
Vial 18
Comment <Comment>

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	101.714 %	96.846 %	0.136 ppb	410.524 ppb	161,836.934 ppb	15,235.756 ppb	725.717 ppb	18,960.471 ppb	133,969.261 ppb
Concentration per Run 1	97.397 %	90.981 %	0.133 ppb	427.206 ppb	176,751.490 ppb	16,090.616 ppb	792.436 ppb	20,689.698 ppb	152,120.421 ppb
Concentration per Run 2	102.978 %	95.513 %	0.136 ppb	406.762 ppb	161,451.815 ppb	15,107.381 ppb	720.561 ppb	18,434.229 ppb	130,176.179 ppb
Concentration per Run 3	104.767 %	104.043 %	0.139 ppb	397.603 ppb	147,307.498 ppb	14,509.272 ppb	664.154 ppb	17,757.485 ppb	119,611.183 ppb
Concentration RSD	3.8 %	6.8 %	2.1 %	3.7 %	9.1 %	5.2 %	8.9 %	8.1 %	12.4 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	100.168 %	99.045 %	3.969 ppb	1.412 ppb	268.177 ppb	4,323.809 ppb	2.683 ppb	12.053 ppb	17.764 ppb
Concentration per Run 1	99.323 %	89.840 %	4.341 ppb	1.538 ppb	298.385 ppb	4,732.565 ppb	3.058 ppb	12.266 ppb	19.076 ppb
Concentration per Run 2	97.320 %	98.872 %	3.933 ppb	1.486 ppb	263.133 ppb	4,253.835 ppb	2.636 ppb	11.974 ppb	18.009 ppb
Concentration per Run 3	103.860 %	108.423 %	3.634 ppb	1.212 ppb	243.014 ppb	3,985.026 ppb	2.354 ppb	11.920 ppb	16.206 ppb
Concentration RSD	3.3 %	9.4 %	8.9 %	12.4 %	10.5 %	8.8 %	13.2 %	1.5 %	8.2 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	137.048 ppb	104.782 %	104.153 %	6.092 ppb	1.269 ppb	1,171.070 ppb	3.516 ppb	97.041 %	92.958 %
Concentration per Run 1	151.266 ppb	99.439 %	95.072 %	6.655 ppb	1.392 ppb	1,281.725 ppb	3.721 ppb	89.638 %	84.647 %
Concentration per Run 2	132.091 ppb	108.212 %	106.927 %	5.976 ppb	1.192 ppb	1,133.899 ppb	3.411 ppb	103.069 %	95.457 %
Concentration per Run 3	127.787 ppb	106.694 %	110.459 %	5.647 ppb	1.222 ppb	1,097.587 ppb	3.418 ppb	98.418 %	98.771 %
Concentration RSD	9.1 %	4.5 %	7.7 %	8.4 %	8.5 %	8.3 %	5.0 %	7.0 %	7.9 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.024 ppb	0.621 ppb	94.117 %	102.036 %	0.229 ppb	2.123 ppb	2,774.979 ppb	98.287 %	106.658 %
Concentration per Run 1	0.020 ppb	0.689 ppb	89.867 %	91.834 %	0.255 ppb	2.307 ppb	3,073.615 ppb	93.788 %	96.967 %
Concentration per Run 2	0.026 ppb	0.594 ppb	95.403 %	105.282 %	0.221 ppb	2.100 ppb	2,671.217 ppb	102.697 %	105.658 %
Concentration per Run 3	0.026 ppb	0.579 ppb	97.082 %	108.994 %	0.211 ppb	1.961 ppb	2,580.105 ppb	98.376 %	117.348 %
Concentration RSD	14.1 %	9.5 %	4.0 %	8.8 %	10.0 %	8.2 %	9.5 %	4.5 %	9.6 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	100.518 %	107.221 %	0.358 ppb	8.422 ppb	92.773 %	95.732 %
Concentration per Run 1	92.417 %	97.467 %	0.403 ppb	9.214 ppb	86.485 %	87.801 %
Concentration per Run 2	106.532 %	107.512 %	0.339 ppb	8.314 ppb	94.241 %	94.479 %
Concentration per Run 3	102.603 %	116.686 %	0.332 ppb	7.737 ppb	97.593 %	104.917 %
Concentration RSD	7.2 %	9.0 %	10.9 %	8.8 %	6.1 %	9.0 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	39	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	WG2146468-5d10 6020TL	Rack	1		
Analysis started at:	12/4/2025 5:49:09 PM	Vial	19		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	105.894 %	95.987 %	47.934 ppb	91.941 ppb	20,066.045 ppb	6,352.282 ppb	114.195 ppb	6,582.239 ppb	16,695.118 ppb
Concentration per Run 1	102.865 %	91.470 %	48.250 ppb	95.043 ppb	21,199.979 ppb	6,797.853 ppb	119.705 ppb	6,573.997 ppb	18,126.237 ppb
Concentration per Run 2	108.122 %	93.514 %	46.752 ppb	89.048 ppb	20,440.795 ppb	6,818.811 ppb	109.437 ppb	7,039.188 ppb	16,971.046 ppb
Concentration per Run 3	106.696 %	102.977 %	48.800 ppb	91.732 ppb	18,557.363 ppb	5,440.182 ppb	113.442 ppb	6,133.530 ppb	14,988.071 ppb
Concentration RSD	2.6 %	6.4 %	2.2 %	3.3 %	6.8 %	12.4 %	4.5 %	6.9 %	9.5 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	102.746 %	105.910 %	44.546 ppb	44.017 ppb	72.650 ppb	4,999.435 ppb	43.511 ppb	52.560 ppb	44.783 ppb
Concentration per Run 1	96.445 %	100.103 %	48.218 ppb	46.020 ppb	75.579 ppb	5,262.286 ppb	45.441 ppb	52.301 ppb	47.226 ppb
Concentration per Run 2	115.379 %	101.653 %	45.416 ppb	47.629 ppb	76.908 ppb	5,057.389 ppb	47.034 ppb	48.454 ppb	47.701 ppb
Concentration per Run 3	96.415 %	115.974 %	40.002 ppb	38.403 ppb	65.463 ppb	4,678.630 ppb	38.059 ppb	56.924 ppb	39.424 ppb
Concentration RSD	10.6 %	8.3 %	9.4 %	11.2 %	8.6 %	5.9 %	11.0 %	8.1 %	10.4 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	58.368 ppb	107.139 %	102.745 %	47.602 ppb	47.904 ppb	166.847 ppb	49.154 ppb	106.618 %	96.558 %
Concentration per Run 1	60.288 ppb	110.433 %	98.568 %	48.408 ppb	50.650 ppb	172.838 ppb	51.363 ppb	110.130 %	92.535 %
Concentration per Run 2	63.347 ppb	109.046 %	96.242 %	52.089 ppb	49.832 ppb	178.488 ppb	51.523 ppb	108.640 %	92.169 %
Concentration per Run 3	51.469 ppb	101.936 %	113.427 %	42.310 ppb	43.230 ppb	149.215 ppb	44.578 ppb	101.083 %	104.971 %
Concentration RSD	10.6 %	4.3 %	9.1 %	10.4 %	8.5 %	9.3 %	8.1 %	4.5 %	7.5 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	1.483 ppb	44.595 ppb	102.714 %	104.846 %	43.202 ppb	45.433 ppb	314.812 ppb	103.196 %	109.704 %
Concentration per Run 1	1.560 ppb	45.778 ppb	101.659 %	101.018 %	45.261 ppb	47.189 ppb	323.707 ppb	108.318 %	103.449 %
Concentration per Run 2	1.543 ppb	47.137 ppb	108.296 %	100.083 %	45.940 ppb	48.678 ppb	336.608 ppb	102.487 %	105.316 %
Concentration per Run 3	1.345 ppb	40.868 ppb	98.187 %	113.439 %	38.405 ppb	40.433 ppb	284.120 ppb	98.784 %	120.348 %
Concentration RSD	8.1 %	7.4 %	5.0 %	7.1 %	9.6 %	9.7 %	8.7 %	4.7 %	8.4 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	106.917 %	113.009 %	45.419 ppb	46.399 ppb	104.295 %	106.285 %
Concentration per Run 1	110.089 %	108.674 %	46.906 ppb	48.876 ppb	107.062 %	101.048 %
Concentration per Run 2	108.331 %	106.321 %	47.769 ppb	48.994 ppb	102.501 %	101.518 %
Concentration per Run 3	102.329 %	124.033 %	41.581 ppb	41.327 ppb	103.323 %	116.290 %
Concentration RSD	3.8 %	8.5 %	7.4 %	9.5 %	2.3 %	8.2 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	40	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	WG2146468-6d5 6020TL	Rack	1		
Analysis started at:	12/4/2025 5:53:37 PM	Vial	20		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	108.619 %	99.082 %	0.043 ppb	82.675 ppb	31,362.861 ppb	3,016.195 ppb	140.948 ppb	3,666.237 ppb	25,635.242 ppb
Concentration per Run 1	106.688 %	93.247 %	0.052 ppb	84.877 ppb	32,763.860 ppb	3,228.564 ppb	148.461 ppb	3,940.069 ppb	26,780.772 ppb
Concentration per Run 2	109.189 %	100.089 %	0.042 ppb	81.196 ppb	31,383.306 ppb	2,991.745 ppb	140.153 ppb	3,626.149 ppb	25,492.420 ppb
Concentration per Run 3	109.980 %	103.910 %	0.037 ppb	81.952 ppb	29,941.418 ppb	2,828.275 ppb	134.228 ppb	3,432.492 ppb	24,632.534 ppb
Concentration RSD	1.6 %	5.5 %	17.5 %	2.4 %	4.5 %	6.7 %	5.1 %	7.0 %	4.2 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	110.329 %	102.253 %	0.761 ppb	0.342 ppb	56.201 ppb	896.882 ppb	0.516 ppb	2.321 ppb	3.631 ppb
Concentration per Run 1	106.391 %	95.919 %	0.788 ppb	0.345 ppb	59.565 ppb	982.415 ppb	0.535 ppb	2.339 ppb	3.734 ppb
Concentration per Run 2	117.488 %	103.469 %	0.734 ppb	0.356 ppb	55.128 ppb	901.898 ppb	0.527 ppb	2.188 ppb	3.452 ppb
Concentration per Run 3	107.109 %	107.370 %	0.761 ppb	0.326 ppb	53.910 ppb	806.334 ppb	0.487 ppb	2.437 ppb	3.709 ppb
Concentration RSD	5.6 %	5.7 %	3.5 %	4.3 %	5.3 %	9.8 %	4.9 %	5.4 %	4.3 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	29.482 ppb	112.164 %	102.097 %	1.258 ppb	0.335 ppb	237.957 ppb	0.737 ppb	106.753 %	93.696 %
Concentration per Run 1	32.211 ppb	110.705 %	94.738 %	1.075 ppb	0.251 ppb	253.686 ppb	0.750 ppb	110.370 %	88.631 %
Concentration per Run 2	27.849 ppb	113.446 %	105.517 %	1.332 ppb	0.287 ppb	229.673 ppb	0.669 ppb	105.337 %	96.401 %
Concentration per Run 3	28.386 ppb	112.342 %	106.036 %	1.366 ppb	0.466 ppb	230.512 ppb	0.792 ppb	104.551 %	96.056 %
Concentration RSD	8.1 %	1.2 %	6.2 %	12.7 %	34.2 %	5.7 %	8.5 %	3.0 %	4.7 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.002 ppb	0.127 ppb	106.038 %	102.186 %	0.128 ppb	0.445 ppb	548.925 ppb	105.973 %	105.061 %
Concentration per Run 1	0.002 ppb	0.138 ppb	104.658 %	94.142 %	0.151 ppb	0.485 ppb	577.028 ppb	109.564 %	99.521 %
Concentration per Run 2	0.003 ppb	0.120 ppb	104.575 %	107.085 %	0.106 ppb	0.405 ppb	531.420 ppb	103.834 %	108.216 %
Concentration per Run 3	0.002 ppb	0.123 ppb	108.879 %	105.332 %	0.128 ppb	0.443 ppb	538.326 ppb	104.520 %	107.446 %
Concentration RSD	31.3 %	7.5 %	2.3 %	6.9 %	17.3 %	9.0 %	4.5 %	3.0 %	4.6 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	112.146 %	108.178 %	0.300 ppb	1.702 ppb	103.949 %	101.206 %
Concentration per Run 1	115.355 %	103.147 %	0.263 ppb	1.832 ppb	104.507 %	94.231 %
Concentration per Run 2	110.113 %	111.476 %	0.334 ppb	1.645 ppb	103.192 %	103.058 %
Concentration per Run 3	110.971 %	109.910 %	0.304 ppb	1.627 ppb	104.148 %	106.329 %
Concentration RSD	2.5 %	4.1 %	11.9 %	6.7 %	0.7 %	6.2 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	41	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	I2573548-08 6020TL	Rack	1		
Analysis started at:	12/4/2025 5:58:06 PM	Vial	21		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	113.228 %	100.652 %	0.562 ppb	407.077 ppb	21,422.885 ppb	13,870.556 ppb	154.516 ppb	4,073.588 ppb	23,589.638 ppb
Concentration per Run 1	107.848 %	96.712 %	0.590 ppb	428.254 ppb	21,978.283 ppb	14,360.066 ppb	164.403 ppb	4,133.150 ppb	23,752.238 ppb
Concentration per Run 2	118.682 %	102.355 %	0.541 ppb	386.529 ppb	20,969.154 ppb	13,457.964 ppb	150.613 ppb	4,121.117 ppb	22,804.692 ppb
Concentration per Run 3	113.154 %	102.888 %	0.556 ppb	406.447 ppb	21,321.217 ppb	13,793.637 ppb	148.531 ppb	3,966.498 ppb	24,211.985 ppb
Concentration RSD	4.8 %	3.4 %	4.5 %	5.1 %	2.4 %	3.3 %	5.6 %	2.3 %	3.0 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	116.509 %	107.050 %	0.182 ppb	1.228 ppb	5,181.773 ppb	5,139.425 ppb	95.822 ppb	31.148 ppb	0.946 ppb
Concentration per Run 1	110.620 %	102.502 %	0.147 ppb	1.270 ppb	5,469.753 ppb	5,205.141 ppb	102.559 ppb	32.413 ppb	1.066 ppb
Concentration per Run 2	117.765 %	108.355 %	0.220 ppb	1.215 ppb	5,123.126 ppb	5,252.810 ppb	94.336 ppb	29.525 ppb	0.953 ppb
Concentration per Run 3	121.143 %	110.292 %	0.177 ppb	1.201 ppb	4,952.440 ppb	4,960.325 ppb	90.570 ppb	31.507 ppb	0.821 ppb
Concentration RSD	4.6 %	3.8 %	20.2 %	3.0 %	5.1 %	3.1 %	6.4 %	4.7 %	13.0 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	90.394 ppb	118.590 %	106.489 %	0.389 ppb	2.858 ppb	127.703 ppb	0.028 ppb	114.497 %	98.850 %
Concentration per Run 1	96.691 ppb	117.230 %	100.484 %	0.591 ppb	2.883 ppb	134.257 ppb	0.012 ppb	108.442 %	95.246 %
Concentration per Run 2	88.021 ppb	121.267 %	107.568 %	-0.069 ppb	2.540 ppb	125.808 ppb	0.017 ppb	119.428 %	99.828 %
Concentration per Run 3	86.471 ppb	117.274 %	111.417 %	0.645 ppb	3.152 ppb	123.045 ppb	0.055 ppb	115.623 %	101.477 %
Concentration RSD	6.1 %	2.0 %	5.2 %	102.3 %	10.7 %	4.6 %	83.7 %	4.9 %	3.3 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	-0.001 ppb	0.427 ppb	108.200 %	107.810 %	-0.035 ppb	0.036 ppb	19.369 ppb	118.337 %	112.745 %
Concentration per Run 1	-0.001 ppb	0.472 ppb	104.386 %	103.441 %	-0.048 ppb	0.040 ppb	19.591 ppb	114.179 %	109.245 %
Concentration per Run 2	-0.002 ppb	0.415 ppb	111.814 %	111.021 %	-0.025 ppb	0.031 ppb	18.933 ppb	122.348 %	112.912 %
Concentration per Run 3	-0.001 ppb	0.393 ppb	108.401 %	108.969 %	-0.032 ppb	0.037 ppb	19.584 ppb	118.483 %	116.078 %
Concentration RSD	35.8 %	9.6 %	3.4 %	3.6 %	33.2 %	12.9 %	1.9 %	3.5 %	3.0 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	116.688 %	114.558 %	0.239 ppb	0.743 ppb	111.947 %	106.541 %
Concentration per Run 1	110.170 %	110.758 %	0.233 ppb	0.779 ppb	105.418 %	102.675 %
Concentration per Run 2	121.040 %	115.255 %	0.246 ppb	0.751 ppb	114.405 %	106.005 %
Concentration per Run 3	118.854 %	117.663 %	0.238 ppb	0.700 ppb	116.019 %	110.943 %
Concentration RSD	4.9 %	3.1 %	2.8 %	5.4 %	5.1 %	3.9 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 42 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: I2573548-09 6020TL Rack 1
Analysis started at: 12/4/2025 6:02:35 PM Vial 22

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	103.690 %	95.809 %	0.060 ppb	243.997 ppb	32,016.917 ppb	13,592.442 ppb	92.866 ppb	3,401.566 ppb	18,228.657 ppb
Concentration per Run 1	104.442 %	88.049 %	0.062 ppb	240.607 ppb	35,156.964 ppb	15,096.898 ppb	101.977 ppb	3,661.345 ppb	19,865.787 ppb
Concentration per Run 2	103.032 %	100.800 %	0.062 ppb	250.572 ppb	30,710.225 ppb	12,314.276 ppb	84.412 ppb	3,277.310 ppb	17,744.804 ppb
Concentration per Run 3	103.596 %	98.578 %	0.055 ppb	240.812 ppb	30,183.563 ppb	13,366.153 ppb	92.210 ppb	3,266.043 ppb	17,075.380 ppb
Concentration RSD	0.7 %	7.1 %	6.6 %	2.3 %	8.5 %	10.3 %	9.5 %	6.6 %	8.0 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	103.681 %	108.014 %	0.234 ppb	0.429 ppb	3,908.902 ppb	47,377.963 ppb	3.789 ppb	2.576 ppb	1.358 ppb
Concentration per Run 1	114.246 %	97.856 %	0.278 ppb	0.510 ppb	4,243.350 ppb	52,274.577 ppb	4.197 ppb	2.533 ppb	1.555 ppb
Concentration per Run 2	98.816 %	110.457 %	0.255 ppb	0.381 ppb	3,771.003 ppb	45,979.139 ppb	3.532 ppb	2.709 ppb	1.201 ppb
Concentration per Run 3	97.980 %	115.729 %	0.169 ppb	0.397 ppb	3,712.354 ppb	43,880.172 ppb	3.637 ppb	2.485 ppb	1.318 ppb
Concentration RSD	8.8 %	8.5 %	24.4 %	16.4 %	7.4 %	9.2 %	9.4 %	4.6 %	13.3 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	4.571 ppb	111.348 %	105.330 %	2.070 ppb	0.286 ppb	103.743 ppb	0.010 ppb	104.903 %	98.198 %
Concentration per Run 1	4.772 ppb	111.001 %	97.832 %	2.053 ppb	0.302 ppb	109.403 ppb	0.018 ppb	104.636 %	91.568 %
Concentration per Run 2	4.430 ppb	108.049 %	107.939 %	2.194 ppb	0.246 ppb	100.349 ppb	-0.002 ppb	101.880 %	100.456 %
Concentration per Run 3	4.510 ppb	114.994 %	110.218 %	1.964 ppb	0.311 ppb	101.479 ppb	0.015 ppb	108.193 %	102.571 %
Concentration RSD	3.9 %	3.1 %	6.3 %	5.6 %	12.4 %	4.8 %	104.6 %	3.0 %	5.9 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.004 ppb	0.024 ppb	99.970 %	106.219 %	0.007 ppb	0.116 ppb	179.365 ppb	110.937 %	108.845 %
Concentration per Run 1	0.007 ppb	0.023 ppb	105.395 %	99.353 %	0.025 ppb	0.120 ppb	192.345 ppb	110.797 %	98.776 %
Concentration per Run 2	0.004 ppb	0.025 ppb	99.199 %	110.194 %	0.012 ppb	0.119 ppb	173.266 ppb	110.213 %	112.250 %
Concentration per Run 3	0.003 ppb	0.025 ppb	95.315 %	109.111 %	-0.015 ppb	0.110 ppb	172.485 ppb	111.800 %	115.509 %
Concentration RSD	45.8 %	3.7 %	5.1 %	5.6 %	274.0 %	5.0 %	6.3 %	0.7 %	8.2 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	110.750 %	111.971 %	0.042 ppb	1.573 ppb	100.159 %	104.111 %
Concentration per Run 1	109.924 %	103.687 %	0.035 ppb	1.724 ppb	103.228 %	96.007 %
Concentration per Run 2	109.512 %	114.952 %	0.050 ppb	1.494 ppb	99.636 %	107.627 %
Concentration per Run 3	112.813 %	117.276 %	0.042 ppb	1.501 ppb	97.613 %	108.698 %
Concentration RSD	1.6 %	6.5 %	17.8 %	8.3 %	2.8 %	6.8 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 43 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: CCV Rack 0
Analysis started at: 12/4/2025 6:07:05 PM Vial 9

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	106.060 %	101.747 %	59.301 ppb	58.644 ppb	5,947.302 ppb	5,868.049 ppb	61.970 ppb	5,807.897 ppb	5,873.716 ppb
Concentration per Run 1	105.397 %	96.179 %	60.767 ppb	60.816 ppb	6,150.648 ppb	6,220.081 ppb	57.747 ppb	6,024.257 ppb	6,176.555 ppb
Concentration per Run 2	105.100 %	106.220 %	58.667 ppb	58.976 ppb	5,738.947 ppb	5,746.487 ppb	65.210 ppb	5,491.474 ppb	5,825.720 ppb
Concentration per Run 3	107.683 %	102.843 %	58.469 ppb	56.139 ppb	5,952.311 ppb	5,637.580 ppb	62.952 ppb	5,907.960 ppb	5,618.871 ppb
Recovery Percentage 1			98.835 %	97.739 %	99.122 %	97.801 %	103.283 %	96.798 %	97.895 %
Concentration RSD	1.3 %	5.0 %	2.1 %	4.0 %	3.5 %	5.3 %	6.2 %	4.8 %	4.8 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	106.042 %	108.966 %	55.401 ppb	54.440 ppb	56.934 ppb	5,725.674 ppb	55.475 ppb	63.424 ppb	55.299 ppb
Concentration per Run 1	102.933 %	104.182 %	57.760 ppb	57.088 ppb	58.379 ppb	6,094.945 ppb	57.397 ppb	64.898 ppb	57.363 ppb
Concentration per Run 2	113.942 %	110.903 %	53.133 ppb	53.179 ppb	56.395 ppb	5,972.710 ppb	52.589 ppb	61.555 ppb	53.876 ppb
Concentration per Run 3	101.251 %	111.814 %	55.309 ppb	53.053 ppb	56.028 ppb	5,109.367 ppb	56.439 ppb	63.819 ppb	54.658 ppb
Recovery Percentage 1			92.335 %	90.734 %	94.890 %	95.428 %	92.459 %	105.707 %	92.165 %
Concentration RSD	6.5 %	3.8 %	4.2 %	4.2 %	2.2 %	9.4 %	4.6 %	2.7 %	3.3 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	55.070 ppb	107.058 %	103.817 %	57.751 ppb	59.811 ppb	59.864 ppb	58.939 ppb	106.006 %	98.676 %
Concentration per Run 1	57.304 ppb	105.919 %	100.072 %	59.299 ppb	60.820 ppb	60.803 ppb	59.236 ppb	105.090 %	95.731 %
Concentration per Run 2	54.666 ppb	108.999 %	103.795 %	58.319 ppb	59.056 ppb	59.565 ppb	60.250 ppb	105.343 %	99.664 %
Concentration per Run 3	53.240 ppb	106.256 %	107.582 %	55.635 ppb	59.557 ppb	59.224 ppb	57.332 ppb	107.586 %	100.634 %
Recovery Percentage 1	91.784 %			96.252 %	99.685 %	99.773 %	98.232 %		
Concentration RSD	3.7 %	1.6 %	3.6 %	3.3 %	1.5 %	1.4 %	2.5 %	1.3 %	2.6 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	56.316 ppb	56.601 ppb	97.824 %	104.953 %	54.908 ppb	53.733 ppb	57.964 ppb	100.757 %	106.339 %
Concentration per Run 1	58.086 ppb	58.903 ppb	98.392 %	101.076 %	55.773 ppb	54.554 ppb	61.169 ppb	102.572 %	102.340 %
Concentration per Run 2	55.791 ppb	56.609 ppb	98.896 %	103.543 %	55.593 ppb	54.993 ppb	57.440 ppb	103.307 %	108.786 %
Concentration per Run 3	55.071 ppb	54.293 ppb	96.182 %	110.240 %	53.358 ppb	51.651 ppb	55.283 ppb	96.391 %	107.892 %
Recovery Percentage 1	93.860 %	94.336 %			91.513 %	89.555 %	96.607 %		
Concentration RSD	2.8 %	4.1 %	1.5 %	4.5 %	2.5 %	3.4 %	5.1 %	3.8 %	3.3 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	103.011 %	106.856 %	56.106 ppb	56.884 ppb	98.641 %	105.193 %
Concentration per Run 1	99.903 %	102.367 %	57.271 ppb	58.739 ppb	97.840 %	101.550 %
Concentration per Run 2	108.413 %	109.349 %	55.593 ppb	56.164 ppb	98.320 %	106.071 %
Concentration per Run 3	100.716 %	108.852 %	55.454 ppb	55.751 ppb	99.762 %	107.957 %
Recovery Percentage 1			93.510 %	94.807 %		
Concentration RSD	4.6 %	3.6 %	1.8 %	2.8 %	1.0 %	3.1 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 44 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: CCB Rack 0
Analysis started at: 12/4/2025 6:11:40 PM Vial 10

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	106.703 %	103.584 %	0.016 ppb	0.548 ppb	-20.349 ppb	0.561 ppb	0.623 ppb	6.543 ppb	14.011 ppb
Concentration per Run 1	106.805 %	104.265 %	0.014 ppb	0.559 ppb	-18.436 ppb	0.714 ppb	1.132 ppb	11.665 ppb	13.205 ppb
Concentration per Run 2	107.284 %	104.798 %	0.019 ppb	0.541 ppb	-20.866 ppb	0.581 ppb	0.168 ppb	5.053 ppb	5.347 ppb
Concentration per Run 3	106.020 %	101.688 %	0.014 ppb	0.543 ppb	-21.746 ppb	0.388 ppb	0.570 ppb	2.912 ppb	23.480 ppb
Recovery Percentage 1			3.121 %	5.479 %	-4.070 %	0.801 %	6.230 %	6.543 %	14.011 %
Concentration RSD	0.6 %	1.6 %	16.2 %	1.8 %	8.4 %	29.2 %	77.7 %	69.7 %	64.9 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	103.561 %	106.034 %	-0.069 ppb	0.000 ppb	0.566 ppb	4.985 ppb	0.015 ppb	0.198 ppb	0.110 ppb
Concentration per Run 1	94.536 %	101.728 %	-0.055 ppb	-0.009 ppb	0.583 ppb	6.381 ppb	0.016 ppb	0.241 ppb	0.111 ppb
Concentration per Run 2	108.283 %	108.145 %	-0.074 ppb	-0.007 ppb	0.526 ppb	4.169 ppb	0.021 ppb	0.160 ppb	0.125 ppb
Concentration per Run 3	107.863 %	108.229 %	-0.078 ppb	0.016 ppb	0.588 ppb	4.406 ppb	0.009 ppb	0.192 ppb	0.095 ppb
Recovery Percentage 1			-1.386 %	-0.024 %	56.570 %	9.971 %	3.010 %	9.881 %	11.025 %
Concentration RSD	7.5 %	3.5 %	17.7 %	6,012.7 %	6.2 %	24.4 %	40.3 %	20.6 %	13.8 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.752 ppb	105.138 %	103.234 %	0.040 ppb	0.086 ppb	0.012 ppb	0.070 ppb	105.086 %	100.418 %
Concentration per Run 1	0.766 ppb	102.608 %	99.827 %	0.125 ppb	-0.004 ppb	0.007 ppb	0.057 ppb	103.070 %	100.175 %
Concentration per Run 2	0.741 ppb	105.112 %	105.228 %	0.030 ppb	0.092 ppb	0.013 ppb	0.062 ppb	110.098 %	102.601 %
Concentration per Run 3	0.748 ppb	107.694 %	104.649 %	-0.035 ppb	0.170 ppb	0.016 ppb	0.092 ppb	102.090 %	98.477 %
Recovery Percentage 1	15.031 %			8.055 %	1.714 %	2.448 %	3.524 %		
Concentration RSD	1.7 %	2.4 %	2.9 %	199.7 %	101.7 %	37.5 %	26.7 %	4.2 %	2.1 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.003 ppb	0.004 ppb	96.890 %	105.201 %	0.202 ppb	0.073 ppb	0.050 ppb	100.151 %	106.656 %
Concentration per Run 1	0.005 ppb	0.007 ppb	95.551 %	103.538 %	0.163 ppb	0.063 ppb	0.048 ppb	101.550 %	102.622 %
Concentration per Run 2	0.003 ppb	0.000 ppb	97.367 %	106.578 %	0.208 ppb	0.069 ppb	0.056 ppb	100.472 %	109.612 %
Concentration per Run 3	0.002 ppb	0.006 ppb	97.752 %	105.487 %	0.236 ppb	0.087 ppb	0.046 ppb	98.432 %	107.735 %
Recovery Percentage 1	0.778 %	2.202 %			6.739 %	1.826 %	10.035 %		
Concentration RSD	48.5 %	80.3 %	1.2 %	1.5 %	18.1 %	16.9 %	10.0 %	1.6 %	3.4 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	102.566 %	104.719 %	0.176 ppb	0.012 ppb	96.918 %	107.675 %
Concentration per Run 1	101.358 %	101.747 %	0.144 ppb	0.013 ppb	97.245 %	105.027 %
Concentration per Run 2	103.243 %	106.076 %	0.196 ppb	0.011 ppb	96.363 %	109.232 %
Concentration per Run 3	103.097 %	106.333 %	0.187 ppb	0.011 ppb	97.146 %	108.766 %
Recovery Percentage 1			17.562 %	1.166 %		
Concentration RSD	1.0 %	2.5 %	15.7 %	9.3 %	0.5 %	2.1 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	45	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	WG2146468-1 6020TL	Rack	1		
Analysis started at:	12/4/2025 6:18:40 PM	Vial	14		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	116.147 %	109.596 %	0.008 ppb	0.405 ppb	-36.709 ppb	1.232 ppb	2.092 ppb	-5.025 ppb	9.338 ppb
Concentration per Run 1	116.410 %	103.998 %	0.006 ppb	0.407 ppb	-31.492 ppb	1.507 ppb	2.671 ppb	-5.795 ppb	5.781 ppb
Concentration per Run 2	114.618 %	112.440 %	0.009 ppb	0.413 ppb	-38.995 ppb	0.619 ppb	2.174 ppb	-5.245 ppb	9.653 ppb
Concentration per Run 3	117.414 %	112.351 %	0.010 ppb	0.394 ppb	-39.639 ppb	1.568 ppb	1.432 ppb	-4.034 ppb	12.580 ppb
Concentration RSD	1.2 %	4.4 %	23.9 %	2.5 %	12.3 %	43.1 %	29.8 %	17.9 %	36.5 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	113.592 %	110.398 %	-0.087 ppb	0.058 ppb	0.163 ppb	1.889 ppb	0.003 ppb	0.041 ppb	0.144 ppb
Concentration per Run 1	110.894 %	104.690 %	-0.084 ppb	0.070 ppb	0.156 ppb	1.725 ppb	0.003 ppb	0.071 ppb	0.176 ppb
Concentration per Run 2	113.833 %	112.553 %	-0.094 ppb	0.052 ppb	0.159 ppb	1.818 ppb	0.005 ppb	0.038 ppb	0.140 ppb
Concentration per Run 3	116.048 %	113.951 %	-0.084 ppb	0.051 ppb	0.173 ppb	2.123 ppb	0.002 ppb	0.013 ppb	0.115 ppb
Concentration RSD	2.3 %	4.5 %	6.7 %	18.4 %	5.3 %	11.0 %	48.9 %	71.4 %	21.3 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.352 ppb	112.873 %	104.902 %	-0.059 ppb	0.022 ppb	0.006 ppb	-0.026 ppb	116.504 %	103.443 %
Concentration per Run 1	0.342 ppb	113.696 %	101.249 %	-0.103 ppb	-0.007 ppb	0.012 ppb	-0.008 ppb	120.451 %	102.165 %
Concentration per Run 2	0.338 ppb	112.955 %	106.212 %	0.043 ppb	0.036 ppb	0.004 ppb	-0.037 ppb	113.153 %	103.696 %
Concentration per Run 3	0.377 ppb	111.968 %	107.246 %	-0.118 ppb	0.036 ppb	0.004 ppb	-0.034 ppb	115.908 %	104.469 %
Concentration RSD	6.1 %	0.8 %	3.1 %	150.1 %	115.7 %	67.3 %	60.9 %	3.2 %	1.1 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.003 ppb	0.000 ppb	107.627 %	108.070 %	0.018 ppb	0.029 ppb	0.032 ppb	112.025 %	109.571 %
Concentration per Run 1	0.005 ppb	0.002 ppb	109.667 %	103.151 %	0.046 ppb	0.040 ppb	0.033 ppb	113.823 %	106.383 %
Concentration per Run 2	0.003 ppb	-0.001 ppb	109.891 %	108.460 %	0.013 ppb	0.024 ppb	0.035 ppb	116.772 %	110.599 %
Concentration per Run 3	0.001 ppb	-0.001 ppb	103.323 %	112.598 %	-0.005 ppb	0.022 ppb	0.028 ppb	105.480 %	111.731 %
Concentration RSD	70.7 %	12,041.3 %	3.5 %	4.4 %	142.4 %	34.0 %	12.2 %	5.2 %	2.6 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	113.207 %	110.268 %	0.046 ppb	0.008 ppb	107.781 %	111.330 %
Concentration per Run 1	113.840 %	106.444 %	0.040 ppb	0.009 ppb	109.418 %	106.571 %
Concentration per Run 2	112.260 %	112.801 %	0.050 ppb	0.008 ppb	108.226 %	114.556 %
Concentration per Run 3	113.522 %	111.558 %	0.047 ppb	0.007 ppb	105.697 %	112.862 %
Concentration RSD	0.7 %	3.1 %	11.5 %	11.9 %	1.8 %	3.8 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 46
Analysis label: L2573548-06 6020TL
Analysis started at: 12/4/2025 6:25:19 PM
User name ALPHALAB\ICPMSRQ
Rack 1
Vial 36
Comment fb RR

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	115.729 %	111.225 %	0.008 ppb	0.324 ppb	-31.927 ppb	0.114 ppb	1.521 ppb	-4.012 ppb	0.957 ppb
Concentration per Run 1	115.594 %	109.285 %	0.011 ppb	0.319 ppb	-29.683 ppb	-0.113 ppb	1.250 ppb	-1.042 ppb	-1.479 ppb
Concentration per Run 2	116.051 %	116.572 %	0.008 ppb	0.327 ppb	-35.341 ppb	0.096 ppb	1.616 ppb	-6.460 ppb	-0.131 ppb
Concentration per Run 3	115.542 %	107.819 %	0.004 ppb	0.324 ppb	-30.758 ppb	0.358 ppb	1.698 ppb	-4.535 ppb	4.481 ppb
Concentration RSD	0.2 %	4.2 %	42.1 %	1.2 %	9.4 %	207.5 %	15.7 %	68.5 %	326.5 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	119.489 %	113.907 %	-0.070 ppb	0.042 ppb	0.069 ppb	2.468 ppb	0.000 ppb	-0.019 ppb	0.929 ppb
Concentration per Run 1	114.200 %	110.765 %	-0.072 ppb	0.062 ppb	0.076 ppb	1.729 ppb	0.000 ppb	-0.010 ppb	0.940 ppb
Concentration per Run 2	123.646 %	115.216 %	-0.067 ppb	0.040 ppb	0.064 ppb	2.843 ppb	-0.002 ppb	-0.019 ppb	0.948 ppb
Concentration per Run 3	120.621 %	115.740 %	-0.071 ppb	0.024 ppb	0.068 ppb	2.833 ppb	0.004 ppb	-0.029 ppb	0.899 ppb
Concentration RSD	4.0 %	2.4 %	3.6 %	45.9 %	8.5 %	25.9 %	1,043.6 %	51.1 %	2.8 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	1.235 ppb	114.301 %	108.477 %	0.040 ppb	0.026 ppb	0.018 ppb	-0.025 ppb	115.203 %	104.274 %
Concentration per Run 1	1.167 ppb	109.515 %	106.025 %	0.016 ppb	0.071 ppb	0.023 ppb	-0.020 ppb	115.604 %	100.010 %
Concentration per Run 2	1.242 ppb	114.753 %	109.653 %	0.147 ppb	0.001 ppb	0.016 ppb	-0.029 ppb	118.046 %	106.961 %
Concentration per Run 3	1.296 ppb	118.634 %	109.753 %	-0.044 ppb	0.004 ppb	0.016 ppb	-0.026 ppb	111.957 %	105.851 %
Concentration RSD	5.2 %	4.0 %	2.0 %	244.1 %	153.5 %	23.2 %	17.7 %	2.7 %	3.6 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.000 ppb	0.000 ppb	105.144 %	110.589 %	-0.063 ppb	0.015 ppb	0.201 ppb	109.525 %	110.678 %
Concentration per Run 1	0.003 ppb	-0.001 ppb	107.330 %	106.837 %	-0.038 ppb	0.017 ppb	0.192 ppb	112.124 %	107.814 %
Concentration per Run 2	0.000 ppb	-0.001 ppb	101.524 %	111.201 %	-0.088 ppb	0.012 ppb	0.203 ppb	112.456 %	110.206 %
Concentration per Run 3	-0.002 ppb	0.000 ppb	106.578 %	113.729 %	-0.064 ppb	0.017 ppb	0.207 ppb	103.996 %	114.013 %
Concentration RSD	551.6 %	145.3 %	3.0 %	3.2 %	39.0 %	15.7 %	3.7 %	4.4 %	2.8 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	113.646 %	111.084 %	0.035 ppb	0.022 ppb	109.656 %	112.766 %
Concentration per Run 1	116.125 %	106.780 %	0.031 ppb	0.026 ppb	111.292 %	109.148 %
Concentration per Run 2	114.831 %	114.459 %	0.045 ppb	0.020 ppb	108.944 %	113.317 %
Concentration per Run 3	109.982 %	112.012 %	0.030 ppb	0.021 ppb	108.731 %	115.833 %
Concentration RSD	2.8 %	3.5 %	22.8 %	14.7 %	1.3 %	3.0 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 47
Analysis label: WG2146468-2d10 6020TL
Analysis started at: 12/4/2025 6:29:48 PM
User name ALPHALAB\ICPMSRQ
Rack 1
Vial 15
Comment <Comment>

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	113.304 %	109.463 %	4.523 ppb	96.278 ppb	1,003.738 ppb	1,001.637 ppb	194.706 ppb	1,010.652 ppb	1,043.982 ppb
Concentration per Run 1	110.401 %	104.354 %	4.569 ppb	99.031 ppb	1,031.653 ppb	1,053.606 ppb	215.513 ppb	1,020.780 ppb	1,129.250 ppb
Concentration per Run 2	116.168 %	108.041 %	4.468 ppb	92.595 ppb	978.380 ppb	989.830 ppb	187.286 ppb	1,021.795 ppb	1,089.628 ppb
Concentration per Run 3	113.342 %	115.994 %	4.530 ppb	97.208 ppb	1,001.181 ppb	961.475 ppb	181.319 ppb	989.381 ppb	913.068 ppb
Concentration RSD	2.5 %	5.4 %	1.1 %	3.4 %	2.7 %	4.7 %	9.4 %	1.8 %	11.0 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	107.650 %	108.975 %	44.184 ppb	17.042 ppb	45.956 ppb	93.985 ppb	42.893 ppb	50.226 ppb	21.874 ppb
Concentration per Run 1	111.343 %	104.140 %	47.801 ppb	17.549 ppb	47.939 ppb	99.660 ppb	43.660 ppb	52.215 ppb	22.545 ppb
Concentration per Run 2	108.610 %	110.229 %	42.829 ppb	16.472 ppb	44.525 ppb	93.012 ppb	43.256 ppb	45.066 ppb	22.156 ppb
Concentration per Run 3	102.996 %	112.557 %	41.924 ppb	17.104 ppb	45.404 ppb	89.284 ppb	41.764 ppb	53.397 ppb	20.920 ppb
Concentration RSD	4.0 %	4.0 %	7.2 %	3.2 %	3.9 %	5.6 %	2.3 %	9.0 %	3.9 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	43.681 ppb	108.343 %	103.908 %	11.902 ppb	12.087 ppb	98.956 ppb	96.630 ppb	106.525 %	102.245 %
Concentration per Run 1	44.956 ppb	110.207 %	101.645 %	12.268 ppb	12.486 ppb	100.390 ppb	98.164 ppb	106.012 %	100.946 %
Concentration per Run 2	43.002 ppb	112.218 %	104.730 %	11.627 ppb	12.330 ppb	97.623 ppb	93.537 ppb	107.113 %	102.701 %
Concentration per Run 3	43.085 ppb	102.604 %	105.349 %	11.811 ppb	11.446 ppb	98.854 ppb	98.189 ppb	106.448 %	103.088 %
Concentration RSD	2.5 %	4.7 %	1.9 %	2.8 %	4.6 %	1.4 %	2.8 %	0.5 %	1.1 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	4.353 ppb	4.904 ppb	103.852 %	104.336 %	89.950 ppb	41.976 ppb	182.177 ppb	102.582 %	105.971 %
Concentration per Run 1	4.577 ppb	5.024 ppb	104.375 %	99.877 %	93.471 ppb	42.471 ppb	188.908 ppb	103.757 %	104.818 %
Concentration per Run 2	4.224 ppb	4.907 ppb	104.320 %	105.937 %	87.556 ppb	41.753 ppb	175.699 ppb	99.561 %	105.698 %
Concentration per Run 3	4.257 ppb	4.780 ppb	102.860 %	107.194 %	88.824 ppb	41.703 ppb	181.924 ppb	104.427 %	107.397 %
Concentration RSD	4.5 %	2.5 %	0.8 %	3.7 %	3.5 %	1.0 %	3.6 %	2.6 %	1.2 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	105.057 %	105.671 %	12.098 ppb	51.564 ppb	102.859 %	104.499 %
Concentration per Run 1	105.797 %	105.524 %	12.776 ppb	53.793 ppb	106.112 %	100.575 %
Concentration per Run 2	106.541 %	104.046 %	11.955 ppb	51.056 ppb	101.243 %	105.412 %
Concentration per Run 3	102.834 %	107.442 %	11.563 ppb	49.843 ppb	101.221 %	107.511 %
Concentration RSD	1.9 %	1.6 %	5.1 %	3.9 %	2.7 %	3.4 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	48	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	I2573548-10 6020TL	Rack	1		
Analysis started at:	12/4/2025 6:34:16 PM	Vial	23		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	110.876 %	107.656 %	0.446 ppb	67.339 ppb	6,465.423 ppb	11,099.180 ppb	6,580.149 ppb	7,236.389 ppb	68,028.381 ppb
Concentration per Run 1	110.502 %	101.377 %	0.454 ppb	67.188 ppb	6,876.532 ppb	11,644.143 ppb	7,190.079 ppb	7,867.244 ppb	74,727.019 ppb
Concentration per Run 2	111.565 %	108.486 %	0.432 ppb	65.173 ppb	6,307.103 ppb	10,539.976 ppb	6,322.007 ppb	6,963.970 ppb	66,112.372 ppb
Concentration per Run 3	110.562 %	113.106 %	0.453 ppb	69.656 ppb	6,212.633 ppb	11,113.421 ppb	6,228.360 ppb	6,877.952 ppb	63,245.752 ppb
Concentration RSD	0.5 %	5.5 %	2.7 %	3.3 %	5.6 %	5.0 %	8.1 %	7.6 %	8.8 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	113.521 %	108.330 %	20.164 ppb	22.307 ppb	1,099.201 ppb	35,270.107 ppb	4.705 ppb	12.312 ppb	28.665 ppb
Concentration per Run 1	110.435 %	100.005 %	21.269 ppb	24.073 ppb	1,182.903 ppb	39,024.043 ppb	4.934 ppb	12.588 ppb	30.442 ppb
Concentration per Run 2	118.647 %	112.350 %	20.463 ppb	21.439 ppb	1,044.060 ppb	33,636.586 ppb	4.408 ppb	11.477 ppb	28.015 ppb
Concentration per Run 3	111.483 %	112.635 %	18.761 ppb	21.411 ppb	1,070.640 ppb	33,149.692 ppb	4.773 ppb	12.872 ppb	27.539 ppb
Concentration RSD	3.9 %	6.7 %	6.3 %	6.9 %	6.7 %	9.2 %	5.7 %	6.0 %	5.4 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	56.520 ppb	111.193 %	105.424 %	12.764 ppb	2.912 ppb	485.222 ppb	6.838 ppb	103.195 %	97.896 %
Concentration per Run 1	59.973 ppb	111.672 %	101.085 %	13.454 ppb	3.335 ppb	515.487 ppb	7.327 ppb	101.259 %	90.473 %
Concentration per Run 2	54.360 ppb	111.763 %	108.789 %	12.225 ppb	2.571 ppb	468.410 ppb	6.691 ppb	105.910 %	100.536 %
Concentration per Run 3	55.227 ppb	110.143 %	106.397 %	12.614 ppb	2.829 ppb	471.769 ppb	6.497 ppb	102.415 %	102.677 %
Concentration RSD	5.3 %	0.8 %	3.7 %	4.9 %	13.3 %	5.4 %	6.4 %	2.3 %	6.7 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.079 ppb	0.158 ppb	101.454 %	101.549 %	0.141 ppb	2.522 ppb	187.915 ppb	104.112 %	107.889 %
Concentration per Run 1	0.077 ppb	0.133 ppb	101.910 %	95.099 %	0.107 ppb	2.612 ppb	203.561 ppb	103.189 %	100.061 %
Concentration per Run 2	0.061 ppb	0.148 ppb	100.147 %	103.629 %	0.056 ppb	2.488 ppb	178.342 ppb	107.047 %	112.106 %
Concentration per Run 3	0.100 ppb	0.192 ppb	102.305 %	105.921 %	0.261 ppb	2.465 ppb	181.841 ppb	102.100 %	111.500 %
Concentration RSD	24.7 %	19.3 %	1.1 %	5.6 %	75.5 %	3.1 %	7.3 %	2.5 %	6.3 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	105.932 %	107.204 %	0.125 ppb	15.559 ppb	99.275 %	101.110 %
Concentration per Run 1	105.124 %	98.966 %	0.114 ppb	17.206 ppb	102.794 %	92.023 %
Concentration per Run 2	107.752 %	112.574 %	0.115 ppb	14.880 ppb	97.469 %	105.352 %
Concentration per Run 3	104.920 %	110.072 %	0.146 ppb	14.589 ppb	97.562 %	105.956 %
Concentration RSD	1.5 %	6.8 %	14.4 %	9.2 %	3.1 %	7.8 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 49
Analysis label: L2573832-01 6020TL
Analysis started at: 12/4/2025 6:38:46 PM
User name ALPHALAB\ICPMSRQ
Rack 1
Vial 24
Comment <Comment>

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	99.534 %	93.277 %	0.084 ppb	60.887 ppb	176,393.771 ppb	6,353.643 ppb	704.330 ppb	14,804.547 ppb	34,699.761 ppb
Concentration per Run 1	98.974 %	89.426 %	0.092 ppb	61.124 ppb	187,653.823 ppb	6,949.663 ppb	758.195 ppb	15,953.640 ppb	36,913.051 ppb
Concentration per Run 2	103.567 %	95.513 %	0.078 ppb	57.123 ppb	174,710.921 ppb	5,902.411 ppb	701.066 ppb	14,187.603 ppb	33,787.979 ppb
Concentration per Run 3	96.059 %	94.891 %	0.083 ppb	64.415 ppb	166,816.569 ppb	6,208.855 ppb	653.728 ppb	14,272.398 ppb	33,398.252 ppb
Concentration RSD	3.8 %	3.6 %	8.4 %	6.0 %	6.0 %	8.5 %	7.4 %	6.7 %	5.6 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	107.509 %	98.810 %	1.503 ppb	17.152 ppb	604.505 ppb	9,266.015 ppb	4.450 ppb	23.861 ppb	45.687 ppb
Concentration per Run 1	103.607 %	89.142 %	1.917 ppb	19.020 ppb	669.256 ppb	10,190.076 ppb	5.093 ppb	24.707 ppb	48.555 ppb
Concentration per Run 2	119.223 %	102.413 %	1.239 ppb	16.849 ppb	571.281 ppb	8,682.140 ppb	4.121 ppb	23.392 ppb	45.572 ppb
Concentration per Run 3	99.696 %	104.873 %	1.354 ppb	15.588 ppb	572.979 ppb	8,925.829 ppb	4.136 ppb	23.485 ppb	42.932 ppb
Concentration RSD	9.6 %	8.6 %	24.2 %	10.1 %	9.3 %	8.7 %	12.5 %	3.1 %	6.2 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	77.819 ppb	105.341 %	100.196 %	7.008 ppb	0.248 ppb	141.983 ppb	6.695 ppb	99.836 %	92.599 %
Concentration per Run 1	84.750 ppb	103.980 %	91.861 %	7.440 ppb	0.266 ppb	148.671 ppb	7.109 ppb	99.152 %	88.013 %
Concentration per Run 2	74.600 ppb	107.121 %	103.546 %	6.933 ppb	0.242 ppb	138.937 ppb	6.239 ppb	102.906 %	94.921 %
Concentration per Run 3	74.107 ppb	104.923 %	105.182 %	6.652 ppb	0.235 ppb	138.342 ppb	6.736 ppb	97.451 %	94.864 %
Concentration RSD	7.7 %	1.5 %	7.3 %	5.7 %	6.5 %	4.1 %	6.5 %	2.8 %	4.3 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.034 ppb	0.343 ppb	93.299 %	97.888 %	2.202 ppb	3.158 ppb	31.474 ppb	100.988 %	101.660 %
Concentration per Run 1	0.041 ppb	0.395 ppb	91.573 %	90.518 %	2.578 ppb	3.381 ppb	34.023 ppb	96.052 %	93.661 %
Concentration per Run 2	0.035 ppb	0.306 ppb	98.213 %	100.148 %	2.041 ppb	3.086 ppb	30.180 ppb	109.202 %	105.248 %
Concentration per Run 3	0.027 ppb	0.328 ppb	90.110 %	102.999 %	1.987 ppb	3.007 ppb	30.220 ppb	97.710 %	106.070 %
Concentration RSD	19.7 %	13.5 %	4.6 %	6.7 %	14.9 %	6.3 %	7.0 %	7.1 %	6.8 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	102.289 %	104.520 %	0.049 ppb	1.503 ppb	91.395 %	96.165 %
Concentration per Run 1	100.848 %	96.665 %	0.056 ppb	1.656 ppb	90.115 %	87.550 %
Concentration per Run 2	108.099 %	107.848 %	0.048 ppb	1.455 ppb	96.823 %	98.184 %
Concentration per Run 3	97.921 %	109.048 %	0.043 ppb	1.399 ppb	87.246 %	102.761 %
Concentration RSD	5.1 %	6.5 %	13.7 %	9.0 %	5.4 %	8.1 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	50	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	L2573832-02 6020TL	Rack	1		
Analysis started at:	12/4/2025 6:43:16 PM	Vial	25		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	94.695 %	88.671 %	0.020 ppb	73.716 ppb	216,058.167 ppb	796.704 ppb	165.483 ppb	15,461.311 ppb	9,757.936 ppb
Concentration per Run 1	93.800 %	90.448 %	0.019 ppb	76.269 ppb	218,290.924 ppb	827.722 ppb	173.505 ppb	15,535.079 ppb	10,058.445 ppb
Concentration per Run 2	94.246 %	87.694 %	0.019 ppb	74.803 ppb	219,868.462 ppb	753.984 ppb	161.750 ppb	14,972.186 ppb	9,655.856 ppb
Concentration per Run 3	96.039 %	87.871 %	0.021 ppb	70.076 ppb	210,015.116 ppb	808.407 ppb	161.194 ppb	15,876.667 ppb	9,559.505 ppb
Concentration RSD	1.3 %	1.7 %	6.0 %	4.4 %	2.4 %	4.8 %	4.2 %	3.0 %	2.7 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	97.505 %	97.825 %	0.308 ppb	3.647 ppb	119.443 ppb	1,391.642 ppb	0.305 ppb	5.744 ppb	9.396 ppb
Concentration per Run 1	93.002 %	94.707 %	0.320 ppb	3.690 ppb	122.282 ppb	1,451.036 ppb	0.272 ppb	6.092 ppb	10.109 ppb
Concentration per Run 2	95.282 %	98.148 %	0.322 ppb	3.661 ppb	118.032 ppb	1,387.617 ppb	0.312 ppb	5.382 ppb	8.959 ppb
Concentration per Run 3	104.232 %	100.621 %	0.282 ppb	3.591 ppb	118.015 ppb	1,336.273 ppb	0.329 ppb	5.759 ppb	9.120 ppb
Concentration RSD	6.1 %	3.0 %	7.3 %	1.4 %	2.1 %	4.1 %	9.7 %	6.2 %	6.6 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	91.208 ppb	102.230 %	99.628 %	1.009 ppb	0.087 ppb	33.290 ppb	1.191 ppb	95.780 %	91.134 %
Concentration per Run 1	94.830 ppb	103.588 %	95.735 %	1.009 ppb	0.121 ppb	33.916 ppb	1.106 ppb	97.325 %	89.494 %
Concentration per Run 2	88.262 ppb	100.158 %	102.037 %	1.097 ppb	0.098 ppb	32.715 ppb	1.103 ppb	92.721 %	93.341 %
Concentration per Run 3	90.531 ppb	102.944 %	101.110 %	0.922 ppb	0.041 ppb	33.241 ppb	1.364 ppb	97.295 %	90.567 %
Concentration RSD	3.7 %	1.8 %	3.4 %	8.6 %	47.3 %	1.8 %	12.6 %	2.8 %	2.2 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.008 ppb	0.055 ppb	90.534 %	97.033 %	0.497 ppb	2.169 ppb	6.232 ppb	97.127 %	103.836 %
Concentration per Run 1	0.009 ppb	0.048 ppb	88.592 %	93.975 %	0.517 ppb	2.170 ppb	6.327 ppb	99.638 %	102.034 %
Concentration per Run 2	0.005 ppb	0.061 ppb	91.360 %	97.927 %	0.519 ppb	2.210 ppb	6.191 ppb	94.127 %	104.390 %
Concentration per Run 3	0.011 ppb	0.054 ppb	91.649 %	99.198 %	0.455 ppb	2.126 ppb	6.178 ppb	97.616 %	105.084 %
Concentration RSD	38.0 %	12.5 %	1.9 %	2.8 %	7.4 %	1.9 %	1.3 %	2.9 %	1.5 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	98.663 %	105.631 %	0.016 ppb	0.859 ppb	89.996 %	94.725 %
Concentration per Run 1	98.919 %	103.196 %	0.011 ppb	0.879 ppb	90.289 %	92.817 %
Concentration per Run 2	95.610 %	105.039 %	0.018 ppb	0.865 ppb	90.205 %	94.161 %
Concentration per Run 3	101.459 %	108.658 %	0.018 ppb	0.832 ppb	89.493 %	97.199 %
Concentration RSD	3.0 %	2.6 %	24.9 %	2.8 %	0.5 %	2.4 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 51 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: L2573832-03 6020TL Rack 1
Analysis started at: 12/4/2025 6:47:45 PM Vial 26

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	91.571 %	87.575 %	0.016 ppb	76.988 ppb	217,776.255 ppb	753.071 ppb	165.562 ppb	15,887.490 ppb	9,650.507 ppb
Concentration per Run 1	96.046 %	86.539 %	0.011 ppb	72.295 ppb	221,108.704 ppb	781.659 ppb	172.028 ppb	16,093.457 ppb	10,022.503 ppb
Concentration per Run 2	90.807 %	90.359 %	0.015 ppb	77.249 ppb	209,597.965 ppb	688.838 ppb	159.694 ppb	15,618.280 ppb	9,701.029 ppb
Concentration per Run 3	87.859 %	85.828 %	0.022 ppb	81.421 ppb	222,622.097 ppb	788.717 ppb	164.965 ppb	15,950.733 ppb	9,227.988 ppb
Concentration RSD	4.5 %	2.8 %	35.3 %	5.9 %	3.3 %	7.4 %	3.7 %	1.5 %	4.1 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	102.028 %	97.050 %	0.271 ppb	2.262 ppb	121.806 ppb	1,296.793 ppb	0.279 ppb	4.858 ppb	8.088 ppb
Concentration per Run 1	108.124 %	94.546 %	0.305 ppb	2.381 ppb	124.403 ppb	1,290.208 ppb	0.278 ppb	4.591 ppb	8.379 ppb
Concentration per Run 2	98.940 %	98.081 %	0.226 ppb	2.255 ppb	119.372 ppb	1,284.059 ppb	0.251 ppb	4.564 ppb	8.000 ppb
Concentration per Run 3	99.020 %	98.524 %	0.283 ppb	2.151 ppb	121.643 ppb	1,316.112 ppb	0.309 ppb	5.419 ppb	7.884 ppb
Concentration RSD	5.2 %	2.2 %	15.1 %	5.1 %	2.1 %	1.3 %	10.4 %	10.0 %	3.2 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	103.014 ppb	102.830 %	98.011 %	1.185 ppb	0.058 ppb	35.207 ppb	1.159 ppb	96.319 %	90.544 %
Concentration per Run 1	107.217 ppb	110.285 %	94.104 %	1.245 ppb	0.031 ppb	36.326 ppb	1.188 ppb	101.660 %	87.826 %
Concentration per Run 2	100.291 ppb	102.442 %	101.216 %	1.167 ppb	0.027 ppb	34.574 ppb	1.220 ppb	94.674 %	91.262 %
Concentration per Run 3	101.533 ppb	95.765 %	98.713 %	1.144 ppb	0.116 ppb	34.722 ppb	1.068 ppb	92.623 %	92.542 %
Concentration RSD	3.6 %	7.1 %	3.7 %	4.5 %	86.1 %	2.8 %	6.9 %	4.9 %	2.7 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.008 ppb	0.043 ppb	93.050 %	98.931 %	0.467 ppb	2.226 ppb	6.320 ppb	98.914 %	102.102 %
Concentration per Run 1	0.006 ppb	0.033 ppb	101.739 %	94.575 %	0.548 ppb	2.317 ppb	6.169 ppb	107.365 %	98.162 %
Concentration per Run 2	0.010 ppb	0.048 ppb	89.820 %	102.248 %	0.460 ppb	2.161 ppb	6.460 ppb	91.141 %	101.501 %
Concentration per Run 3	0.007 ppb	0.049 ppb	87.590 %	99.970 %	0.393 ppb	2.199 ppb	6.331 ppb	98.236 %	106.644 %
Concentration RSD	26.8 %	20.6 %	8.2 %	4.0 %	16.7 %	3.7 %	2.3 %	8.2 %	4.2 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	100.582 %	105.777 %	0.015 ppb	0.493 ppb	88.012 %	95.759 %
Concentration per Run 1	110.890 %	102.543 %	0.012 ppb	0.510 ppb	96.832 %	92.173 %
Concentration per Run 2	95.482 %	106.165 %	0.016 ppb	0.485 ppb	85.002 %	97.187 %
Concentration per Run 3	95.374 %	108.623 %	0.016 ppb	0.483 ppb	82.201 %	97.917 %
Concentration RSD	8.9 %	2.9 %	14.4 %	3.1 %	8.8 %	3.3 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 52 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: L2573845-01 6020TL Rack 1
Analysis started at: 12/4/2025 6:52:12 PM Vial 27

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	104.329 %	97.112 %	0.025 ppb	8.033 ppb	4,708.546 ppb	1,185.343 ppb	14.965 ppb	1,587.144 ppb	4,531.213 ppb
Concentration per Run 1	104.372 %	94.713 %	0.023 ppb	8.032 ppb	4,781.172 ppb	1,224.601 ppb	13.165 ppb	1,689.490 ppb	4,505.287 ppb
Concentration per Run 2	104.855 %	98.178 %	0.024 ppb	8.040 ppb	4,604.512 ppb	1,170.748 ppb	18.435 ppb	1,523.450 ppb	4,363.611 ppb
Concentration per Run 3	103.760 %	98.445 %	0.028 ppb	8.028 ppb	4,739.953 ppb	1,160.680 ppb	13.295 ppb	1,548.494 ppb	4,724.741 ppb
Concentration RSD	0.5 %	2.1 %	9.9 %	0.1 %	2.0 %	2.9 %	20.1 %	5.6 %	4.0 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	109.893 %	107.016 %	0.234 ppb	0.537 ppb	8.396 ppb	7.405 ppb	0.022 ppb	0.775 ppb	0.125 ppb
Concentration per Run 1	106.731 %	104.786 %	0.321 ppb	0.611 ppb	8.569 ppb	9.104 ppb	0.021 ppb	0.912 ppb	0.110 ppb
Concentration per Run 2	104.118 %	107.438 %	0.157 ppb	0.488 ppb	8.389 ppb	8.427 ppb	0.021 ppb	0.695 ppb	0.097 ppb
Concentration per Run 3	118.830 %	108.822 %	0.223 ppb	0.511 ppb	8.231 ppb	4.683 ppb	0.026 ppb	0.718 ppb	0.169 ppb
Concentration RSD	7.1 %	1.9 %	35.2 %	12.2 %	2.0 %	32.2 %	12.4 %	15.4 %	30.4 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.182 ppb	108.730 %	105.366 %	-0.037 ppb	0.204 ppb	25.368 ppb	-0.013 ppb	107.543 %	100.393 %
Concentration per Run 1	0.217 ppb	106.980 %	103.367 %	0.146 ppb	0.190 ppb	25.445 ppb	-0.019 ppb	107.142 %	96.977 %
Concentration per Run 2	0.160 ppb	108.532 %	105.532 %	-0.109 ppb	0.139 ppb	25.274 ppb	-0.002 ppb	106.279 %	102.261 %
Concentration per Run 3	0.169 ppb	110.678 %	107.197 %	-0.148 ppb	0.283 ppb	25.386 ppb	-0.018 ppb	109.209 %	101.942 %
Concentration RSD	16.9 %	1.7 %	1.8 %	429.8 %	35.6 %	0.3 %	70.6 %	1.4 %	3.0 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	-0.002 ppb	0.023 ppb	103.802 %	110.296 %	-0.046 ppb	0.011 ppb	15.597 ppb	105.386 %	109.563 %
Concentration per Run 1	0.000 ppb	0.022 ppb	104.938 %	106.637 %	-0.052 ppb	0.007 ppb	16.496 ppb	107.285 %	105.287 %
Concentration per Run 2	-0.003 ppb	0.023 ppb	100.364 %	113.092 %	-0.033 ppb	0.012 ppb	14.848 ppb	100.664 %	112.261 %
Concentration per Run 3	-0.002 ppb	0.026 ppb	106.104 %	111.158 %	-0.054 ppb	0.012 ppb	15.447 ppb	108.210 %	111.142 %
Concentration RSD	84.6 %	9.0 %	2.9 %	3.0 %	25.4 %	26.9 %	5.4 %	3.9 %	3.4 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	105.888 %	111.524 %	0.011 ppb	0.005 ppb	103.990 %	109.116 %
Concentration per Run 1	108.315 %	110.132 %	0.008 ppb	0.006 ppb	103.572 %	105.894 %
Concentration per Run 2	101.985 %	112.058 %	0.012 ppb	0.005 ppb	105.076 %	109.140 %
Concentration per Run 3	107.362 %	112.381 %	0.012 ppb	0.004 ppb	103.323 %	112.314 %
Concentration RSD	3.2 %	1.1 %	18.5 %	23.0 %	0.9 %	2.9 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 53 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: L2573845-02 6020TL Rack 1
Analysis started at: 12/4/2025 6:56:40 PM Vial 28

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	104.854 %	98.993 %	0.008 ppb	30.191 ppb	12,383.758 ppb	5,579.098 ppb	11.634 ppb	3,147.076 ppb	22,749.416 ppb
Concentration per Run 1	106.060 %	98.223 %	0.010 ppb	29.058 ppb	12,739.477 ppb	5,894.450 ppb	9.019 ppb	3,258.865 ppb	22,618.711 ppb
Concentration per Run 2	104.034 %	99.023 %	0.005 ppb	30.132 ppb	11,709.207 ppb	5,482.227 ppb	12.774 ppb	3,045.041 ppb	23,832.828 ppb
Concentration per Run 3	104.468 %	99.733 %	0.008 ppb	31.383 ppb	12,702.590 ppb	5,360.619 ppb	13.110 ppb	3,137.320 ppb	21,796.709 ppb
Concentration RSD	1.0 %	0.8 %	30.3 %	3.9 %	4.7 %	5.0 %	19.5 %	3.4 %	4.5 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	105.069 %	106.546 %	0.326 ppb	0.784 ppb	2,168.380 ppb	32.889 ppb	0.516 ppb	1.146 ppb	0.277 ppb
Concentration per Run 1	110.947 %	102.944 %	0.355 ppb	0.848 ppb	2,237.063 ppb	26.777 ppb	0.536 ppb	1.113 ppb	0.272 ppb
Concentration per Run 2	103.258 %	106.416 %	0.307 ppb	0.725 ppb	2,145.152 ppb	24.677 ppb	0.496 ppb	1.280 ppb	0.259 ppb
Concentration per Run 3	101.002 %	110.277 %	0.317 ppb	0.778 ppb	2,122.925 ppb	47.211 ppb	0.517 ppb	1.045 ppb	0.300 ppb
Concentration RSD	5.0 %	3.4 %	7.7 %	7.8 %	2.8 %	37.8 %	3.9 %	10.5 %	7.5 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.330 ppb	107.977 %	105.088 %	0.062 ppb	0.106 ppb	76.692 ppb	0.850 ppb	107.764 %	99.090 %
Concentration per Run 1	0.259 ppb	112.138 %	98.926 %	0.100 ppb	0.116 ppb	76.238 ppb	0.908 ppb	107.796 %	96.988 %
Concentration per Run 2	0.251 ppb	105.278 %	108.604 %	0.039 ppb	0.085 ppb	75.584 ppb	0.817 ppb	106.589 %	100.777 %
Concentration per Run 3	0.479 ppb	106.516 %	107.733 %	0.045 ppb	0.118 ppb	78.254 ppb	0.824 ppb	108.908 %	99.505 %
Concentration RSD	39.2 %	3.4 %	5.1 %	54.4 %	17.8 %	1.8 %	6.0 %	1.1 %	1.9 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.000 ppb	0.031 ppb	101.555 %	106.192 %	-0.012 ppb	0.039 ppb	17.886 ppb	103.702 %	110.467 %
Concentration per Run 1	0.001 ppb	0.029 ppb	104.936 %	102.057 %	-0.023 ppb	0.035 ppb	18.572 ppb	105.526 %	107.646 %
Concentration per Run 2	0.000 ppb	0.038 ppb	98.936 %	108.405 %	-0.019 ppb	0.025 ppb	17.543 ppb	101.946 %	110.346 %
Concentration per Run 3	-0.001 ppb	0.026 ppb	100.792 %	108.113 %	0.007 ppb	0.057 ppb	17.544 ppb	103.635 %	113.411 %
Concentration RSD	16,614.1 %	19.3 %	3.0 %	3.4 %	136.7 %	41.1 %	3.3 %	1.7 %	2.6 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	106.906 %	112.507 %	0.079 ppb	0.033 ppb	101.278 %	105.850 %
Concentration per Run 1	108.021 %	109.626 %	0.077 ppb	0.028 ppb	102.556 %	100.596 %
Concentration per Run 2	104.593 %	114.212 %	0.079 ppb	0.024 ppb	101.191 %	106.105 %
Concentration per Run 3	108.104 %	113.684 %	0.083 ppb	0.048 ppb	100.086 %	110.851 %
Concentration RSD	1.9 %	2.2 %	4.0 %	38.3 %	1.2 %	4.8 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 54 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: L2573845-03 6020TL Rack 1
Analysis started at: 12/4/2025 7:01:08 PM Vial 29

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	112.491 %	99.482 %	0.005 ppb	20.112 ppb	11,911.030 ppb	11,124.185 ppb	9.745 ppb	3,566.955 ppb	47,629.168 ppb
Concentration per Run 1	113.505 %	97.023 %	0.001 ppb	20.032 ppb	11,902.554 ppb	11,315.193 ppb	9.884 ppb	3,582.427 ppb	48,554.735 ppb
Concentration per Run 2	108.996 %	99.556 %	0.010 ppb	20.405 ppb	12,490.229 ppb	10,701.523 ppb	8.572 ppb	3,624.961 ppb	49,336.289 ppb
Concentration per Run 3	114.971 %	101.866 %	0.005 ppb	19.898 ppb	11,340.309 ppb	11,355.838 ppb	10.778 ppb	3,493.476 ppb	44,996.479 ppb
Concentration RSD	2.8 %	2.4 %	86.2 %	1.3 %	4.8 %	3.3 %	11.4 %	1.9 %	4.9 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	112.479 %	106.284 %	0.323 ppb	1.185 ppb	63.080 ppb	29.305 ppb	0.110 ppb	1.960 ppb	0.648 ppb
Concentration per Run 1	114.184 %	100.685 %	0.256 ppb	1.234 ppb	66.838 ppb	28.580 ppb	0.121 ppb	2.031 ppb	0.679 ppb
Concentration per Run 2	110.383 %	105.298 %	0.345 ppb	1.159 ppb	61.946 ppb	28.661 ppb	0.108 ppb	2.016 ppb	0.588 ppb
Concentration per Run 3	112.869 %	112.868 %	0.366 ppb	1.164 ppb	60.457 ppb	30.673 ppb	0.100 ppb	1.832 ppb	0.676 ppb
Concentration RSD	1.7 %	5.8 %	18.1 %	3.5 %	5.3 %	4.0 %	9.5 %	5.7 %	8.1 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.410 ppb	116.259 %	104.607 %	0.041 ppb	0.054 ppb	152.933 ppb	0.080 ppb	108.768 %	96.880 %
Concentration per Run 1	0.440 ppb	115.615 %	98.127 %	0.018 ppb	-0.048 ppb	161.650 ppb	0.070 ppb	110.268 %	91.401 %
Concentration per Run 2	0.447 ppb	112.733 %	108.221 %	0.086 ppb	0.153 ppb	148.430 ppb	0.072 ppb	105.649 %	97.531 %
Concentration per Run 3	0.344 ppb	120.429 %	107.472 %	0.018 ppb	0.056 ppb	148.719 ppb	0.096 ppb	110.387 %	101.707 %
Concentration RSD	14.0 %	3.3 %	5.4 %	97.4 %	187.8 %	4.9 %	18.4 %	2.5 %	5.4 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	-0.001 ppb	0.002 ppb	106.387 %	105.060 %	0.040 ppb	0.024 ppb	48.174 ppb	110.988 %	108.213 %
Concentration per Run 1	0.001 ppb	-0.001 ppb	106.443 %	97.799 %	0.059 ppb	0.024 ppb	51.479 ppb	113.198 %	101.766 %
Concentration per Run 2	-0.002 ppb	0.004 ppb	107.360 %	105.213 %	0.036 ppb	0.017 ppb	47.589 ppb	106.582 %	109.415 %
Concentration per Run 3	-0.001 ppb	0.002 ppb	105.357 %	112.167 %	0.024 ppb	0.031 ppb	45.454 ppb	113.185 %	113.457 %
Concentration RSD	260.5 %	155.4 %	0.9 %	6.8 %	44.8 %	28.8 %	6.3 %	3.4 %	5.5 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	113.537 %	111.323 %	0.016 ppb	0.051 ppb	102.313 %	102.260 %
Concentration per Run 1	114.812 %	105.235 %	0.013 ppb	0.058 ppb	101.481 %	96.330 %
Concentration per Run 2	111.152 %	112.720 %	0.018 ppb	0.048 ppb	103.436 %	103.780 %
Concentration per Run 3	114.647 %	116.013 %	0.016 ppb	0.046 ppb	102.023 %	106.668 %
Concentration RSD	1.8 %	5.0 %	15.9 %	13.1 %	1.0 %	5.2 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	55	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	CCV	Rack	0		
Analysis started at:	12/4/2025 7:05:37 PM	Vial	9		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	109.245 %	103.406 %	59.259 ppb	58.455 ppb	5,939.620 ppb	5,979.554 ppb	59.214 ppb	6,027.639 ppb	5,908.075 ppb
Concentration per Run 1	109.979 %	102.177 %	58.772 ppb	56.026 ppb	6,088.199 ppb	6,261.696 ppb	58.863 ppb	5,998.314 ppb	5,909.343 ppb
Concentration per Run 2	109.136 %	104.443 %	59.936 ppb	60.691 ppb	5,693.709 ppb	5,869.836 ppb	54.577 ppb	6,075.892 ppb	5,749.282 ppb
Concentration per Run 3	108.621 %	103.599 %	59.070 ppb	58.647 ppb	6,036.953 ppb	5,807.130 ppb	64.203 ppb	6,008.710 ppb	6,065.601 ppb
Recovery Percentage 1			98.766 %	97.425 %	98.994 %	99.659 %	98.691 %	100.461 %	98.468 %
Concentration RSD	0.6 %	1.1 %	1.0 %	4.0 %	3.6 %	4.1 %	8.1 %	0.7 %	2.7 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	108.227 %	108.444 %	55.304 ppb	54.908 ppb	58.358 ppb	5,840.069 ppb	56.830 ppb	62.927 ppb	56.479 ppb
Concentration per Run 1	110.785 %	104.454 %	55.896 ppb	56.638 ppb	59.826 ppb	6,300.637 ppb	55.832 ppb	61.900 ppb	58.030 ppb
Concentration per Run 2	103.493 %	110.053 %	56.051 ppb	54.037 ppb	57.875 ppb	5,536.280 ppb	59.254 ppb	64.214 ppb	56.082 ppb
Concentration per Run 3	110.403 %	110.826 %	53.965 ppb	54.049 ppb	57.374 ppb	5,683.289 ppb	55.405 ppb	62.667 ppb	55.324 ppb
Recovery Percentage 1			92.173 %	91.513 %	97.264 %	97.334 %	94.717 %	104.878 %	94.131 %
Concentration RSD	3.8 %	3.2 %	2.1 %	2.7 %	2.2 %	6.9 %	3.7 %	1.9 %	2.5 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	55.796 ppb	108.958 %	104.303 %	58.240 ppb	61.020 ppb	61.492 ppb	59.140 ppb	108.842 %	99.690 %
Concentration per Run 1	58.273 ppb	111.151 %	99.644 %	59.683 ppb	62.106 ppb	62.568 ppb	61.776 ppb	109.794 %	97.303 %
Concentration per Run 2	54.406 ppb	107.481 %	107.549 %	57.304 ppb	60.799 ppb	61.711 ppb	57.940 ppb	108.710 %	98.820 %
Concentration per Run 3	54.708 ppb	108.242 %	105.714 %	57.735 ppb	60.154 ppb	60.197 ppb	57.704 ppb	108.022 %	102.946 %
Recovery Percentage 1	92.993 %			97.067 %	101.700 %	102.487 %	98.566 %		
Concentration RSD	3.9 %	1.8 %	4.0 %	2.2 %	1.6 %	2.0 %	3.9 %	0.8 %	2.9 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	56.159 ppb	56.745 ppb	100.797 %	105.448 %	55.755 ppb	55.035 ppb	59.050 ppb	106.425 %	107.968 %
Concentration per Run 1	56.044 ppb	59.591 ppb	103.373 %	100.743 %	57.188 ppb	54.828 ppb	60.998 ppb	106.614 %	104.351 %
Concentration per Run 2	56.075 ppb	55.604 ppb	99.341 %	107.661 %	54.808 ppb	55.294 ppb	58.424 ppb	108.191 %	109.623 %
Concentration per Run 3	56.358 ppb	55.039 ppb	99.679 %	107.939 %	55.270 ppb	54.982 ppb	57.727 ppb	104.471 %	109.930 %
Recovery Percentage 1	93.599 %	94.574 %			92.925 %	91.725 %	98.416 %		
Concentration RSD	0.3 %	4.4 %	2.2 %	3.9 %	2.3 %	0.4 %	2.9 %	1.8 %	2.9 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	107.373 %	109.894 %	55.431 ppb	56.827 ppb	101.838 %	106.677 %
Concentration per Run 1	105.339 %	107.303 %	55.993 ppb	58.326 ppb	106.163 %	101.895 %
Concentration per Run 2	110.998 %	110.623 %	54.432 ppb	55.927 ppb	100.164 %	108.869 %
Concentration per Run 3	105.782 %	111.755 %	55.867 ppb	56.227 ppb	99.187 %	109.266 %
Recovery Percentage 1			92.385 %	94.711 %		
Concentration RSD	2.9 %	2.1 %	1.6 %	2.3 %	3.7 %	3.9 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 56 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: CCB Rack 0
Analysis started at: 12/4/2025 7:10:12 PM Vial 10

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	113.564 %	109.582 %	0.016 ppb	0.241 ppb	-23.129 ppb	0.985 ppb	0.374 ppb	4.291 ppb	11.920 ppb
Concentration per Run 1	111.161 %	106.531 %	0.016 ppb	0.270 ppb	-19.815 ppb	0.718 ppb	-0.345 ppb	9.735 ppb	5.435 ppb
Concentration per Run 2	114.044 %	108.930 %	0.017 ppb	0.243 ppb	-23.219 ppb	0.799 ppb	0.873 ppb	-0.543 ppb	16.032 ppb
Concentration per Run 3	115.487 %	113.284 %	0.015 ppb	0.211 ppb	-26.353 ppb	1.436 ppb	0.595 ppb	3.680 ppb	14.291 ppb
Recovery Percentage 1			3.131 %	2.412 %	-4.626 %	1.406 %	3.743 %	4.291 %	11.920 %
Concentration RSD	1.9 %	3.1 %	5.9 %	12.3 %	14.1 %	39.9 %	170.5 %	120.4 %	47.7 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	106.610 %	110.378 %	-0.029 ppb	0.002 ppb	0.498 ppb	4.251 ppb	0.015 ppb	0.260 ppb	0.101 ppb
Concentration per Run 1	110.470 %	107.093 %	-0.013 ppb	0.028 ppb	0.520 ppb	3.671 ppb	0.014 ppb	0.267 ppb	0.081 ppb
Concentration per Run 2	104.442 %	111.629 %	-0.040 ppb	-0.011 ppb	0.477 ppb	5.515 ppb	0.020 ppb	0.224 ppb	0.132 ppb
Concentration per Run 3	104.920 %	112.411 %	-0.034 ppb	-0.009 ppb	0.496 ppb	3.567 ppb	0.011 ppb	0.289 ppb	0.090 ppb
Recovery Percentage 1			-0.580 %	0.244 %	49.767 %	8.501 %	3.033 %	13.011 %	10.106 %
Concentration RSD	3.1 %	2.6 %	47.6 %	913.5 %	4.3 %	25.8 %	29.2 %	12.7 %	26.5 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.758 ppb	107.941 %	105.703 %	0.149 ppb	0.063 ppb	0.021 ppb	0.056 ppb	109.612 %	104.151 %
Concentration per Run 1	0.766 ppb	107.032 %	102.033 %	0.109 ppb	0.127 ppb	0.018 ppb	0.017 ppb	109.656 %	101.426 %
Concentration per Run 2	0.783 ppb	108.077 %	106.482 %	0.197 ppb	0.008 ppb	0.025 ppb	0.074 ppb	113.167 %	105.763 %
Concentration per Run 3	0.726 ppb	108.713 %	108.593 %	0.140 ppb	0.055 ppb	0.021 ppb	0.077 ppb	106.013 %	105.265 %
Recovery Percentage 1	15.169 %			29.701 %	1.264 %	4.226 %	2.807 %		
Concentration RSD	3.9 %	0.8 %	3.2 %	30.1 %	94.9 %	17.1 %	59.7 %	3.3 %	2.3 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.004 ppb	0.004 ppb	104.301 %	108.451 %	0.201 ppb	0.078 ppb	0.056 ppb	108.145 %	108.180 %
Concentration per Run 1	0.001 ppb	0.002 ppb	102.523 %	105.414 %	0.220 ppb	0.062 ppb	0.061 ppb	114.576 %	104.183 %
Concentration per Run 2	0.006 ppb	0.009 ppb	103.737 %	110.243 %	0.208 ppb	0.080 ppb	0.068 ppb	108.186 %	110.552 %
Concentration per Run 3	0.005 ppb	0.002 ppb	106.642 %	109.697 %	0.176 ppb	0.092 ppb	0.038 ppb	101.672 %	109.805 %
Recovery Percentage 1	1.014 %	2.082 %			6.705 %	1.952 %	11.162 %		
Concentration RSD	75.6 %	103.5 %	2.0 %	2.4 %	11.2 %	19.8 %	27.8 %	6.0 %	3.2 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	108.363 %	109.018 %	0.181 ppb	0.013 ppb	103.106 %	108.609 %
Concentration per Run 1	109.522 %	105.836 %	0.137 ppb	0.014 ppb	102.083 %	106.115 %
Concentration per Run 2	109.095 %	109.530 %	0.222 ppb	0.015 ppb	103.673 %	109.283 %
Concentration per Run 3	106.472 %	111.687 %	0.184 ppb	0.010 ppb	103.562 %	110.428 %
Recovery Percentage 1			18.098 %	1.305 %		
Concentration RSD	1.5 %	2.7 %	23.8 %	21.4 %	0.9 %	2.1 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 57 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: L2573845-04 6020TL Rack 1
Analysis started at: 12/4/2025 7:19:17 PM Vial 30

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	117.768 %	111.211 %	0.007 ppb	18.279 ppb	10,930.190 ppb	14,171.145 ppb	8.223 ppb	3,813.203 ppb	62,542.185 ppb
Concentration per Run 1	120.250 %	105.376 %	0.005 ppb	17.611 ppb	11,091.080 ppb	15,301.747 ppb	7.501 ppb	4,105.825 ppb	63,887.304 ppb
Concentration per Run 2	117.283 %	110.174 %	0.008 ppb	18.660 ppb	11,005.187 ppb	13,765.736 ppb	9.031 ppb	3,532.806 ppb	64,101.105 ppb
Concentration per Run 3	115.771 %	118.082 %	0.007 ppb	18.567 ppb	10,694.305 ppb	13,445.952 ppb	8.136 ppb	3,800.977 ppb	59,638.146 ppb
Concentration RSD	1.9 %	5.8 %	22.2 %	3.2 %	1.9 %	7.0 %	9.4 %	7.5 %	4.0 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	117.903 %	119.169 %	0.398 ppb	1.046 ppb	3.283 ppb	19.467 ppb	0.106 ppb	1.807 ppb	0.755 ppb
Concentration per Run 1	119.653 %	115.671 %	0.400 ppb	1.093 ppb	3.366 ppb	18.096 ppb	0.114 ppb	1.722 ppb	0.769 ppb
Concentration per Run 2	114.434 %	120.637 %	0.335 ppb	1.036 ppb	3.237 ppb	20.015 ppb	0.089 ppb	1.889 ppb	0.673 ppb
Concentration per Run 3	119.622 %	121.198 %	0.460 ppb	1.009 ppb	3.248 ppb	20.289 ppb	0.116 ppb	1.810 ppb	0.822 ppb
Concentration RSD	2.5 %	2.6 %	15.7 %	4.1 %	2.2 %	6.1 %	14.4 %	4.6 %	10.0 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.363 ppb	120.476 %	111.551 %	0.134 ppb	0.104 ppb	173.815 ppb	0.166 ppb	111.482 %	101.858 %
Concentration per Run 1	0.418 ppb	119.460 %	106.228 %	0.192 ppb	0.156 ppb	179.171 ppb	0.196 ppb	111.799 %	100.242 %
Concentration per Run 2	0.274 ppb	123.319 %	114.353 %	0.131 ppb	0.128 ppb	169.485 ppb	0.135 ppb	107.779 %	102.579 %
Concentration per Run 3	0.398 ppb	118.649 %	114.072 %	0.078 ppb	0.029 ppb	172.790 ppb	0.168 ppb	114.869 %	102.753 %
Concentration RSD	21.5 %	2.1 %	4.1 %	42.7 %	64.1 %	2.8 %	18.4 %	3.2 %	1.4 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.001 ppb	0.002 ppb	107.023 %	111.837 %	-0.011 ppb	0.058 ppb	33.848 ppb	112.722 %	113.614 %
Concentration per Run 1	0.002 ppb	-0.001 ppb	108.634 %	107.863 %	0.020 ppb	0.061 ppb	33.837 ppb	111.877 %	111.703 %
Concentration per Run 2	-0.003 ppb	0.004 ppb	104.434 %	110.744 %	-0.033 ppb	0.051 ppb	34.716 ppb	114.875 %	114.362 %
Concentration per Run 3	0.002 ppb	0.002 ppb	108.000 %	116.903 %	-0.019 ppb	0.061 ppb	32.991 ppb	111.412 %	114.776 %
Concentration RSD	536.5 %	158.2 %	2.1 %	4.1 %	250.8 %	10.1 %	2.5 %	1.7 %	1.5 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	118.849 %	118.082 %	0.072 ppb	0.022 ppb	105.052 %	110.143 %
Concentration per Run 1	118.908 %	117.218 %	0.074 ppb	0.024 ppb	110.282 %	108.023 %
Concentration per Run 2	122.732 %	117.754 %	0.079 ppb	0.021 ppb	101.903 %	108.750 %
Concentration per Run 3	114.908 %	119.274 %	0.063 ppb	0.021 ppb	102.971 %	113.657 %
Concentration RSD	3.3 %	0.9 %	11.3 %	7.0 %	4.3 %	2.8 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	58	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	L2573845-05 6020TL	Rack	1		
Analysis started at:	12/4/2025 7:23:45 PM	Vial	31		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	114.075 %	110.737 %	0.008 ppb	18.001 ppb	9,867.745 ppb	7,313.535 ppb	2.579 ppb	2,259.765 ppb	25,416.678 ppb
Concentration per Run 1	116.339 %	103.332 %	0.005 ppb	17.580 ppb	10,807.746 ppb	8,237.852 ppb	2.566 ppb	2,583.972 ppb	27,880.099 ppb
Concentration per Run 2	113.117 %	113.106 %	0.010 ppb	18.317 ppb	9,762.966 ppb	7,188.578 ppb	3.268 ppb	2,131.551 ppb	25,166.731 ppb
Concentration per Run 3	112.769 %	115.772 %	0.009 ppb	18.105 ppb	9,032.523 ppb	6,514.173 ppb	1.902 ppb	2,063.772 ppb	23,203.203 ppb
Concentration RSD	1.7 %	5.9 %	30.4 %	2.1 %	9.0 %	11.9 %	26.5 %	12.5 %	9.2 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	120.339 %	109.738 %	0.309 ppb	0.304 ppb	489.881 ppb	5.644 ppb	0.164 ppb	1.173 ppb	0.336 ppb
Concentration per Run 1	125.522 %	96.373 %	0.348 ppb	0.363 ppb	554.238 ppb	5.886 ppb	0.153 ppb	1.045 ppb	0.443 ppb
Concentration per Run 2	119.746 %	111.783 %	0.309 ppb	0.307 ppb	474.519 ppb	6.483 ppb	0.180 ppb	1.236 ppb	0.272 ppb
Concentration per Run 3	115.750 %	121.058 %	0.270 ppb	0.243 ppb	440.888 ppb	4.564 ppb	0.160 ppb	1.238 ppb	0.293 ppb
Concentration RSD	4.1 %	11.4 %	12.6 %	19.9 %	11.9 %	17.4 %	8.4 %	9.4 %	27.7 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.987 ppb	115.262 %	108.119 %	0.123 ppb	0.030 ppb	90.252 ppb	0.004 ppb	109.193 %	98.467 %
Concentration per Run 1	1.054 ppb	119.719 %	98.399 %	0.248 ppb	0.010 ppb	98.739 ppb	0.003 ppb	110.823 %	88.916 %
Concentration per Run 2	0.937 ppb	115.842 %	111.997 %	0.142 ppb	0.018 ppb	88.526 ppb	0.001 ppb	111.071 %	100.105 %
Concentration per Run 3	0.970 ppb	110.226 %	113.961 %	-0.022 ppb	0.062 ppb	83.491 ppb	0.009 ppb	105.686 %	106.382 %
Concentration RSD	6.1 %	4.1 %	7.8 %	110.9 %	93.2 %	8.6 %	107.6 %	2.8 %	9.0 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.001 ppb	0.018 ppb	104.724 %	107.452 %	-0.005 ppb	0.024 ppb	20.984 ppb	106.967 %	110.988 %
Concentration per Run 1	0.005 ppb	0.017 ppb	105.441 %	94.682 %	0.044 ppb	0.024 ppb	23.266 ppb	113.795 %	100.102 %
Concentration per Run 2	0.000 ppb	0.021 ppb	104.582 %	108.731 %	-0.036 ppb	0.022 ppb	20.524 ppb	107.931 %	112.173 %
Concentration per Run 3	-0.002 ppb	0.017 ppb	104.149 %	118.944 %	-0.023 ppb	0.025 ppb	19.161 ppb	99.174 %	120.689 %
Concentration RSD	368.9 %	13.2 %	0.6 %	11.3 %	875.1 %	5.3 %	10.0 %	6.9 %	9.3 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	111.789 %	114.478 %	0.032 ppb	0.011 ppb	104.420 %	106.663 %
Concentration per Run 1	119.961 %	103.739 %	0.029 ppb	0.013 ppb	105.999 %	96.342 %
Concentration per Run 2	110.235 %	117.565 %	0.035 ppb	0.010 ppb	104.094 %	107.834 %
Concentration per Run 3	105.171 %	122.131 %	0.033 ppb	0.011 ppb	103.169 %	115.813 %
Concentration RSD	6.7 %	8.4 %	9.0 %	14.7 %	1.4 %	9.2 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	59	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	L2573845-06 6020TL	Rack	1		
Analysis started at:	12/4/2025 7:28:14 PM	Vial	32		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	109.557 %	106.457 %	0.011 ppb	19.588 ppb	11,761.317 ppb	8,430.349 ppb	29.988 ppb	2,883.743 ppb	35,353.356 ppb
Concentration per Run 1	112.873 %	107.464 %	0.008 ppb	18.762 ppb	11,792.665 ppb	8,357.890 ppb	28.247 ppb	2,844.089 ppb	34,485.806 ppb
Concentration per Run 2	108.059 %	108.441 %	0.011 ppb	20.201 ppb	11,391.809 ppb	8,334.242 ppb	30.473 ppb	2,934.311 ppb	35,921.891 ppb
Concentration per Run 3	107.741 %	103.465 %	0.014 ppb	19.802 ppb	12,099.476 ppb	8,598.916 ppb	31.245 ppb	2,872.830 ppb	35,652.373 ppb
Concentration RSD	2.6 %	2.5 %	28.9 %	3.8 %	3.0 %	1.7 %	5.2 %	1.6 %	2.2 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	110.031 %	109.545 %	0.389 ppb	0.074 ppb	2,382.681 ppb	24.135 ppb	0.387 ppb	1.280 ppb	0.354 ppb
Concentration per Run 1	108.614 %	107.952 %	0.409 ppb	0.088 ppb	2,384.254 ppb	24.427 ppb	0.394 ppb	1.137 ppb	0.350 ppb
Concentration per Run 2	109.359 %	109.062 %	0.397 ppb	0.062 ppb	2,420.716 ppb	21.882 ppb	0.406 ppb	1.370 ppb	0.392 ppb
Concentration per Run 3	112.118 %	111.621 %	0.363 ppb	0.073 ppb	2,343.071 ppb	26.097 ppb	0.362 ppb	1.332 ppb	0.321 ppb
Concentration RSD	1.7 %	1.7 %	6.1 %	17.7 %	1.6 %	8.8 %	5.9 %	9.8 %	10.0 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.522 ppb	109.417 %	106.516 %	0.171 ppb	0.049 ppb	117.296 ppb	0.123 ppb	105.241 %	99.758 %
Concentration per Run 1	0.523 ppb	112.181 %	105.467 %	0.072 ppb	0.105 ppb	119.058 ppb	0.086 ppb	103.731 %	98.108 %
Concentration per Run 2	0.484 ppb	106.636 %	105.540 %	0.271 ppb	0.007 ppb	117.891 ppb	0.143 ppb	104.584 %	100.261 %
Concentration per Run 3	0.558 ppb	109.434 %	108.541 %	0.170 ppb	0.035 ppb	114.941 ppb	0.140 ppb	107.407 %	100.904 %
Concentration RSD	7.1 %	2.5 %	1.6 %	58.2 %	103.0 %	1.8 %	26.3 %	1.8 %	1.5 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.001 ppb	0.031 ppb	99.379 %	106.036 %	0.003 ppb	0.020 ppb	21.922 ppb	106.655 %	108.723 %
Concentration per Run 1	-0.002 ppb	0.034 ppb	100.198 %	104.015 %	0.015 ppb	0.018 ppb	23.447 ppb	109.997 %	103.958 %
Concentration per Run 2	0.000 ppb	0.034 ppb	97.068 %	106.719 %	-0.005 ppb	0.020 ppb	21.744 ppb	102.159 %	110.745 %
Concentration per Run 3	0.004 ppb	0.024 ppb	100.872 %	107.374 %	0.000 ppb	0.021 ppb	20.574 ppb	107.808 %	111.465 %
Concentration RSD	540.8 %	19.5 %	2.0 %	1.7 %	318.1 %	7.7 %	6.6 %	3.8 %	3.8 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	110.073 %	109.758 %	0.027 ppb	0.035 ppb	97.334 %	105.639 %
Concentration per Run 1	110.769 %	104.872 %	0.022 ppb	0.039 ppb	97.326 %	102.574 %
Concentration per Run 2	102.901 %	110.319 %	0.030 ppb	0.034 ppb	97.037 %	104.087 %
Concentration per Run 3	116.548 %	114.083 %	0.028 ppb	0.033 ppb	97.637 %	110.255 %
Concentration RSD	6.2 %	4.2 %	15.6 %	8.7 %	0.3 %	3.9 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 60 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: L2573845-07 6020TL Rack 1
Analysis started at: 12/4/2025 7:32:43 PM Vial 33

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	117.443 %	109.878 %	0.004 ppb	22.419 ppb	11,664.844 ppb	7,839.123 ppb	2.063 ppb	1,381.695 ppb	25,177.968 ppb
Concentration per Run 1	118.861 %	106.442 %	0.004 ppb	21.730 ppb	12,168.157 ppb	8,274.753 ppb	2.716 ppb	1,554.000 ppb	25,755.487 ppb
Concentration per Run 2	117.454 %	108.441 %	0.002 ppb	22.537 ppb	11,882.022 ppb	7,896.691 ppb	1.353 ppb	1,377.996 ppb	24,992.572 ppb
Concentration per Run 3	116.013 %	114.750 %	0.006 ppb	22.989 ppb	10,944.353 ppb	7,345.924 ppb	2.121 ppb	1,213.088 ppb	24,785.846 ppb
Concentration RSD	1.2 %	3.9 %	44.6 %	2.8 %	5.5 %	6.0 %	33.1 %	12.3 %	2.0 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	112.773 %	114.480 %	0.354 ppb	0.220 ppb	0.598 ppb	4.388 ppb	0.018 ppb	0.734 ppb	0.202 ppb
Concentration per Run 1	118.757 %	107.227 %	0.402 ppb	0.224 ppb	0.617 ppb	3.811 ppb	0.020 ppb	0.705 ppb	0.175 ppb
Concentration per Run 2	114.876 %	113.411 %	0.377 ppb	0.224 ppb	0.611 ppb	4.293 ppb	0.018 ppb	0.700 ppb	0.249 ppb
Concentration per Run 3	104.686 %	122.801 %	0.283 ppb	0.210 ppb	0.568 ppb	5.059 ppb	0.015 ppb	0.797 ppb	0.183 ppb
Concentration RSD	6.4 %	6.8 %	17.7 %	3.9 %	4.5 %	14.3 %	14.3 %	7.5 %	19.9 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.159 ppb	116.082 %	109.979 %	0.134 ppb	0.082 ppb	129.544 ppb	0.009 ppb	109.237 %	101.792 %
Concentration per Run 1	0.162 ppb	122.158 %	107.407 %	0.193 ppb	0.071 ppb	135.066 ppb	-0.019 ppb	111.122 %	96.040 %
Concentration per Run 2	0.180 ppb	113.255 %	109.800 %	0.120 ppb	0.066 ppb	130.932 ppb	0.025 ppb	105.521 %	101.865 %
Concentration per Run 3	0.134 ppb	112.832 %	112.729 %	0.090 ppb	0.109 ppb	122.634 ppb	0.020 ppb	111.070 %	107.472 %
Concentration RSD	14.5 %	4.5 %	2.4 %	39.3 %	28.4 %	4.9 %	278.0 %	2.9 %	5.6 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	-0.001 ppb	0.003 ppb	107.035 %	107.849 %	-0.036 ppb	0.011 ppb	17.065 ppb	110.431 %	111.998 %
Concentration per Run 1	-0.002 ppb	0.005 ppb	110.341 %	103.096 %	-0.036 ppb	0.013 ppb	17.231 ppb	109.951 %	106.377 %
Concentration per Run 2	-0.001 ppb	0.002 ppb	106.766 %	110.227 %	-0.048 ppb	0.008 ppb	16.772 ppb	111.943 %	114.342 %
Concentration per Run 3	-0.001 ppb	0.002 ppb	103.998 %	110.224 %	-0.026 ppb	0.011 ppb	17.193 ppb	109.398 %	115.274 %
Concentration RSD	48.0 %	64.7 %	3.0 %	3.8 %	30.2 %	23.1 %	1.5 %	1.2 %	4.4 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	110.291 %	112.277 %	0.010 ppb	0.005 ppb	101.865 %	106.066 %
Concentration per Run 1	111.176 %	110.387 %	0.008 ppb	0.005 ppb	104.818 %	102.325 %
Concentration per Run 2	107.663 %	111.048 %	0.009 ppb	0.005 ppb	98.617 %	105.602 %
Concentration per Run 3	112.035 %	115.397 %	0.014 ppb	0.004 ppb	102.161 %	110.272 %
Concentration RSD	2.1 %	2.4 %	31.6 %	15.9 %	3.1 %	3.8 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 61
Analysis label: L2573845-08 6020TL
Analysis started at: 12/4/2025 7:37:13 PM
User name ALPHALAB\ICPMSRQ
Rack 1
Vial 34
Comment <Comment>

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	114.241 %	108.249 %	0.020 ppb	16.290 ppb	7,381.260 ppb	7,805.070 ppb	224.543 ppb	2,179.210 ppb	23,385.646 ppb
Concentration per Run 1	113.888 %	106.753 %	0.015 ppb	15.976 ppb	7,623.485 ppb	7,795.250 ppb	244.680 ppb	2,175.212 ppb	25,391.539 ppb
Concentration per Run 2	114.947 %	109.285 %	0.016 ppb	16.373 ppb	7,270.988 ppb	7,771.110 ppb	207.542 ppb	2,193.807 ppb	21,782.136 ppb
Concentration per Run 3	113.888 %	108.708 %	0.027 ppb	16.522 ppb	7,249.307 ppb	7,848.851 ppb	221.406 ppb	2,168.611 ppb	22,983.263 ppb
Concentration RSD	0.5 %	1.2 %	35.1 %	1.7 %	2.8 %	0.5 %	8.4 %	0.6 %	7.9 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	111.077 %	111.398 %	2.741 ppb	414.469 ppb	155.180 ppb	3,577.567 ppb	7.391 ppb	307.332 ppb	15.754 ppb
Concentration per Run 1	116.773 %	107.982 %	2.949 ppb	420.368 ppb	157.706 ppb	3,917.186 ppb	7.168 ppb	298.765 ppb	16.328 ppb
Concentration per Run 2	112.879 %	113.153 %	2.597 ppb	414.474 ppb	153.269 ppb	3,454.806 ppb	7.638 ppb	300.182 ppb	15.922 ppb
Concentration per Run 3	103.580 %	113.059 %	2.676 ppb	408.564 ppb	154.565 ppb	3,360.707 ppb	7.368 ppb	323.048 ppb	15.011 ppb
Concentration RSD	6.1 %	2.7 %	6.7 %	1.4 %	1.5 %	8.3 %	3.2 %	4.4 %	4.3 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	1.393 ppb	113.568 %	107.901 %	0.174 ppb	0.183 ppb	80.185 ppb	16.696 ppb	107.625 %	98.878 %
Concentration per Run 1	1.410 ppb	116.611 %	105.591 %	0.131 ppb	0.185 ppb	80.583 ppb	16.477 ppb	108.406 %	97.420 %
Concentration per Run 2	1.401 ppb	110.751 %	106.209 %	0.168 ppb	0.190 ppb	81.218 ppb	17.381 ppb	105.883 %	97.752 %
Concentration per Run 3	1.367 ppb	113.343 %	111.903 %	0.224 ppb	0.175 ppb	78.755 ppb	16.231 ppb	108.586 %	101.461 %
Concentration RSD	1.6 %	2.6 %	3.2 %	26.7 %	4.3 %	1.6 %	3.6 %	1.4 %	2.3 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.001 ppb	0.011 ppb	105.016 %	105.948 %	0.193 ppb	0.062 ppb	28.251 ppb	108.880 %	109.400 %
Concentration per Run 1	0.004 ppb	0.010 ppb	108.961 %	103.405 %	0.188 ppb	0.060 ppb	28.162 ppb	110.161 %	106.646 %
Concentration per Run 2	-0.001 ppb	0.010 ppb	102.876 %	106.520 %	0.222 ppb	0.063 ppb	28.242 ppb	106.885 %	109.262 %
Concentration per Run 3	0.001 ppb	0.013 ppb	103.213 %	107.921 %	0.170 ppb	0.063 ppb	28.348 ppb	109.594 %	112.292 %
Concentration RSD	212.2 %	18.7 %	3.3 %	2.2 %	13.6 %	3.3 %	0.3 %	1.6 %	2.6 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	111.010 %	109.521 %	0.016 ppb	0.215 ppb	105.227 %	104.031 %
Concentration per Run 1	111.241 %	107.031 %	0.016 ppb	0.225 ppb	107.339 %	98.683 %
Concentration per Run 2	108.350 %	109.614 %	0.018 ppb	0.209 ppb	100.321 %	107.110 %
Concentration per Run 3	113.439 %	111.918 %	0.015 ppb	0.210 ppb	108.021 %	106.302 %
Concentration RSD	2.3 %	2.2 %	10.8 %	4.4 %	4.1 %	4.5 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	62	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	L2573845-10 6020TL	Rack	1		
Analysis started at:	12/4/2025 7:41:43 PM	Vial	35		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	115.628 %	109.167 %	0.004 ppb	26.028 ppb	11,623.722 ppb	7,198.931 ppb	5.004 ppb	3,450.211 ppb	32,422.915 ppb
Concentration per Run 1	115.189 %	102.132 %	0.006 ppb	25.652 ppb	12,325.998 ppb	7,422.866 ppb	5.380 ppb	3,591.082 ppb	34,170.840 ppb
Concentration per Run 2	115.801 %	112.573 %	0.002 ppb	26.293 ppb	11,517.915 ppb	6,787.593 ppb	5.321 ppb	3,356.564 ppb	32,077.992 ppb
Concentration per Run 3	115.895 %	112.795 %	0.005 ppb	26.140 ppb	11,027.255 ppb	7,386.335 ppb	4.311 ppb	3,402.988 ppb	31,019.913 ppb
Concentration RSD	0.3 %	5.6 %	42.3 %	1.3 %	5.6 %	5.0 %	12.0 %	3.6 %	4.9 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	118.998 %	109.937 %	0.386 ppb	0.376 ppb	1.089 ppb	8.662 ppb	0.031 ppb	0.802 ppb	0.266 ppb
Concentration per Run 1	124.922 %	103.264 %	0.413 ppb	0.369 ppb	1.150 ppb	10.109 ppb	0.035 ppb	0.789 ppb	0.256 ppb
Concentration per Run 2	116.670 %	112.529 %	0.367 ppb	0.309 ppb	1.102 ppb	6.997 ppb	0.039 ppb	0.760 ppb	0.270 ppb
Concentration per Run 3	115.403 %	114.019 %	0.379 ppb	0.449 ppb	1.017 ppb	8.879 ppb	0.020 ppb	0.856 ppb	0.273 ppb
Concentration RSD	4.3 %	5.3 %	6.1 %	18.7 %	6.2 %	18.1 %	30.6 %	6.2 %	3.4 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	1.313 ppb	113.864 %	105.193 %	0.181 ppb	0.065 ppb	102.760 ppb	0.627 ppb	109.479 %	98.178 %
Concentration per Run 1	1.368 ppb	115.499 %	98.332 %	0.285 ppb	0.027 ppb	107.506 ppb	0.656 ppb	108.860 %	94.293 %
Concentration per Run 2	1.313 ppb	113.869 %	108.129 %	0.108 ppb	0.054 ppb	100.358 ppb	0.593 ppb	109.447 %	98.419 %
Concentration per Run 3	1.258 ppb	112.223 %	109.118 %	0.150 ppb	0.114 ppb	100.415 ppb	0.634 ppb	110.132 %	101.821 %
Concentration RSD	4.2 %	1.4 %	5.7 %	51.0 %	68.8 %	4.0 %	5.1 %	0.6 %	3.8 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.000 ppb	0.001 ppb	103.507 %	104.262 %	0.042 ppb	0.021 ppb	25.826 ppb	109.732 %	106.771 %
Concentration per Run 1	0.001 ppb	0.002 ppb	101.581 %	99.601 %	0.057 ppb	0.015 ppb	26.915 ppb	109.238 %	100.985 %
Concentration per Run 2	-0.001 ppb	0.000 ppb	106.302 %	106.335 %	0.001 ppb	0.028 ppb	25.541 ppb	109.535 %	110.539 %
Concentration per Run 3	0.001 ppb	0.002 ppb	102.638 %	106.851 %	0.067 ppb	0.020 ppb	25.023 ppb	110.424 %	108.788 %
Concentration RSD	467.0 %	59.9 %	2.4 %	3.9 %	85.3 %	30.9 %	3.8 %	0.6 %	4.8 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	110.757 %	110.198 %	0.011 ppb	0.008 ppb	102.472 %	105.354 %
Concentration per Run 1	108.830 %	104.260 %	0.009 ppb	0.009 ppb	104.639 %	98.613 %
Concentration per Run 2	110.212 %	113.978 %	0.012 ppb	0.006 ppb	100.684 %	108.542 %
Concentration per Run 3	113.229 %	112.356 %	0.013 ppb	0.008 ppb	102.093 %	108.906 %
Concentration RSD	2.0 %	4.7 %	18.8 %	20.1 %	2.0 %	5.5 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	63	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	I2573456-06 6020TL	Rack	1		
Analysis started at:	12/4/2025 7:46:13 PM	Vial	39		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	104.008 %	97.068 %	0.013 ppb	44.978 ppb	46,423.865 ppb	15,730.659 ppb	153.058 ppb	52,146.181 ppb	48,117.384 ppb
Concentration per Run 1	102.060 %	95.202 %	0.014 ppb	46.456 ppb	49,786.384 ppb	15,878.188 ppb	165.484 ppb	53,412.037 ppb	47,924.502 ppb
Concentration per Run 2	106.077 %	95.957 %	0.009 ppb	43.144 ppb	45,560.677 ppb	15,944.698 ppb	154.213 ppb	51,363.127 ppb	51,040.414 ppb
Concentration per Run 3	103.888 %	100.044 %	0.016 ppb	45.335 ppb	43,924.533 ppb	15,369.091 ppb	139.477 ppb	51,663.380 ppb	45,387.237 ppb
Concentration RSD	1.9 %	2.7 %	29.1 %	3.7 %	6.5 %	2.0 %	8.5 %	2.1 %	5.9 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	102.403 %	102.772 %	1.358 ppb	3.986 ppb	3,522.079 ppb	439.379 ppb	0.642 ppb	4.018 ppb	1.474 ppb
Concentration per Run 1	102.602 %	98.786 %	1.396 ppb	4.203 ppb	3,613.222 ppb	473.923 ppb	0.668 ppb	4.030 ppb	1.530 ppb
Concentration per Run 2	104.934 %	104.389 %	1.294 ppb	3.926 ppb	3,520.200 ppb	417.864 ppb	0.654 ppb	3.909 ppb	1.365 ppb
Concentration per Run 3	99.674 %	105.140 %	1.384 ppb	3.829 ppb	3,432.817 ppb	426.350 ppb	0.603 ppb	4.114 ppb	1.526 ppb
Concentration RSD	2.6 %	3.4 %	4.1 %	4.9 %	2.6 %	6.9 %	5.3 %	2.6 %	6.4 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	1.940 ppb	103.512 %	102.006 %	0.497 ppb	0.196 ppb	240.359 ppb	0.184 ppb	99.858 %	91.913 %
Concentration per Run 1	1.893 ppb	103.157 %	99.329 %	0.537 ppb	0.144 ppb	243.426 ppb	0.141 ppb	99.825 %	89.250 %
Concentration per Run 2	2.019 ppb	104.237 %	101.214 %	0.554 ppb	0.139 ppb	236.645 ppb	0.189 ppb	99.076 %	94.208 %
Concentration per Run 3	1.908 ppb	103.142 %	105.475 %	0.401 ppb	0.306 ppb	241.004 ppb	0.222 ppb	100.674 %	92.281 %
Concentration RSD	3.5 %	0.6 %	3.1 %	16.8 %	48.4 %	1.4 %	22.2 %	0.8 %	2.7 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.004 ppb	0.075 ppb	96.812 %	99.355 %	0.037 ppb	0.025 ppb	112.007 ppb	100.141 %	103.747 %
Concentration per Run 1	0.003 ppb	0.075 ppb	95.819 %	97.793 %	0.048 ppb	0.021 ppb	114.885 ppb	103.824 %	101.559 %
Concentration per Run 2	0.004 ppb	0.076 ppb	95.511 %	99.855 %	0.011 ppb	0.026 ppb	111.931 ppb	96.913 %	104.446 %
Concentration per Run 3	0.005 ppb	0.073 ppb	99.107 %	100.417 %	0.052 ppb	0.028 ppb	109.204 ppb	99.684 %	105.236 %
Concentration RSD	23.8 %	1.9 %	2.1 %	1.4 %	61.2 %	15.7 %	2.5 %	3.5 %	1.9 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	103.039 %	106.938 %	0.215 ppb	0.312 ppb	91.962 %	95.945 %
Concentration per Run 1	104.704 %	104.626 %	0.226 ppb	0.328 ppb	91.916 %	90.686 %
Concentration per Run 2	102.852 %	104.737 %	0.214 ppb	0.305 ppb	91.339 %	96.039 %
Concentration per Run 3	101.562 %	111.451 %	0.206 ppb	0.304 ppb	92.632 %	101.109 %
Concentration RSD	1.5 %	3.7 %	4.8 %	4.5 %	0.7 %	5.4 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	64	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	WG2148481-3d10 6020TL	Rack	1		
Analysis started at:	12/4/2025 7:50:43 PM	Vial	40		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	120.746 %	113.758 %	4.303 ppb	95.276 ppb	6,124.542 ppb	2,549.788 ppb	198.701 ppb	6,729.425 ppb	5,572.425 ppb
Concentration per Run 1	120.556 %	106.087 %	4.390 ppb	98.086 ppb	6,408.573 ppb	2,776.162 ppb	211.543 ppb	7,199.523 ppb	5,848.835 ppb
Concentration per Run 2	119.643 %	115.150 %	4.360 ppb	95.459 ppb	6,172.744 ppb	2,620.471 ppb	200.875 ppb	6,936.632 ppb	5,733.368 ppb
Concentration per Run 3	122.039 %	120.037 %	4.160 ppb	92.283 ppb	5,792.309 ppb	2,252.732 ppb	183.686 ppb	6,052.121 ppb	5,135.071 ppb
Concentration RSD	1.0 %	6.2 %	2.9 %	3.0 %	5.1 %	10.5 %	7.1 %	8.9 %	6.9 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	113.664 %	108.343 %	46.113 ppb	17.788 ppb	457.946 ppb	130.501 ppb	43.717 ppb	45.958 ppb	21.941 ppb
Concentration per Run 1	107.116 %	101.741 %	49.548 ppb	19.483 ppb	489.563 ppb	148.866 ppb	46.444 ppb	49.389 ppb	24.169 ppb
Concentration per Run 2	113.759 %	104.285 %	48.103 ppb	17.848 ppb	469.910 ppb	129.171 ppb	44.484 ppb	45.416 ppb	21.255 ppb
Concentration per Run 3	120.117 %	119.004 %	40.687 ppb	16.032 ppb	414.364 ppb	113.465 ppb	40.225 ppb	43.070 ppb	20.398 ppb
Concentration RSD	5.7 %	8.6 %	10.3 %	9.7 %	8.5 %	13.6 %	7.3 %	6.9 %	9.0 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	43.708 ppb	107.967 %	107.603 %	11.620 ppb	11.762 ppb	123.324 ppb	93.813 ppb	104.150 %	100.056 %
Concentration per Run 1	46.768 ppb	106.912 %	100.210 %	12.496 ppb	12.362 ppb	131.217 ppb	94.546 ppb	104.149 %	95.897 %
Concentration per Run 2	43.863 ppb	105.801 %	109.084 %	11.279 ppb	11.936 ppb	124.125 ppb	94.848 ppb	105.244 %	99.692 %
Concentration per Run 3	40.492 ppb	111.189 %	113.514 %	11.085 ppb	10.988 ppb	114.631 ppb	92.046 ppb	103.058 %	104.578 %
Concentration RSD	7.2 %	2.6 %	6.3 %	6.6 %	6.0 %	6.7 %	1.6 %	1.0 %	4.3 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	4.329 ppb	5.055 ppb	96.272 %	104.682 %	89.003 ppb	45.136 ppb	192.948 ppb	102.487 %	106.818 %
Concentration per Run 1	4.543 ppb	5.290 ppb	96.901 %	99.666 %	94.529 ppb	46.873 ppb	203.183 ppb	104.916 %	102.526 %
Concentration per Run 2	4.330 ppb	5.177 ppb	94.892 %	105.167 %	89.946 ppb	45.737 ppb	194.898 ppb	101.537 %	104.406 %
Concentration per Run 3	4.115 ppb	4.698 ppb	97.024 %	109.211 %	82.535 ppb	42.797 ppb	180.764 ppb	101.008 %	113.524 %
Concentration RSD	5.0 %	6.2 %	1.2 %	4.6 %	6.8 %	4.7 %	5.9 %	2.1 %	5.5 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	105.060 %	108.246 %	11.790 ppb	50.401 ppb	95.119 %	104.094 %
Concentration per Run 1	108.460 %	102.683 %	12.423 ppb	53.111 ppb	91.190 %	98.885 %
Concentration per Run 2	105.531 %	107.477 %	11.900 ppb	51.449 ppb	98.492 %	101.890 %
Concentration per Run 3	101.190 %	114.579 %	11.046 ppb	46.641 ppb	95.674 %	111.506 %
Concentration RSD	3.5 %	5.5 %	5.9 %	6.7 %	3.9 %	6.3 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	65	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	WG2148481-4d10 6020TL	Rack	1		
Analysis started at:	12/4/2025 7:55:11 PM	Vial	41		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	121.831 %	120.155 %	4.352 ppb	95.330 ppb	5,870.306 ppb	2,474.874 ppb	207.232 ppb	6,688.020 ppb	5,493.523 ppb
Concentration per Run 1	121.748 %	119.459 %	4.429 ppb	97.622 ppb	5,883.962 ppb	2,555.930 ppb	215.603 ppb	6,756.177 ppb	5,865.892 ppb
Concentration per Run 2	121.909 %	119.637 %	4.301 ppb	95.189 ppb	5,849.425 ppb	2,491.448 ppb	209.649 ppb	6,946.353 ppb	5,508.745 ppb
Concentration per Run 3	121.835 %	121.370 %	4.325 ppb	93.180 ppb	5,877.529 ppb	2,377.244 ppb	196.444 ppb	6,361.531 ppb	5,105.932 ppb
Concentration RSD	0.1 %	0.9 %	1.6 %	2.3 %	0.3 %	3.7 %	4.7 %	4.5 %	6.9 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	107.497 %	110.858 %	44.172 ppb	17.375 ppb	447.826 ppb	135.093 ppb	44.344 ppb	48.598 ppb	23.371 ppb
Concentration per Run 1	108.162 %	106.562 %	45.846 ppb	17.916 ppb	468.574 ppb	145.724 ppb	43.612 ppb	49.224 ppb	23.649 ppb
Concentration per Run 2	114.011 %	111.838 %	44.690 ppb	16.807 ppb	438.727 ppb	132.609 ppb	45.361 ppb	46.995 ppb	23.666 ppb
Concentration per Run 3	100.319 %	114.173 %	41.981 ppb	17.403 ppb	436.177 ppb	126.947 ppb	44.059 ppb	49.574 ppb	22.799 ppb
Concentration RSD	6.4 %	3.5 %	4.5 %	3.2 %	4.0 %	7.1 %	2.0 %	2.9 %	2.1 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	43.922 ppb	109.008 %	106.625 %	11.920 ppb	12.016 ppb	126.231 ppb	95.352 ppb	102.619 %	100.432 %
Concentration per Run 1	45.554 ppb	105.248 %	101.465 %	12.479 ppb	13.037 ppb	132.706 ppb	103.841 ppb	103.410 %	95.826 %
Concentration per Run 2	44.033 ppb	114.672 %	109.094 %	11.729 ppb	11.576 ppb	122.242 ppb	90.139 ppb	104.790 %	103.988 %
Concentration per Run 3	42.178 ppb	107.105 %	109.316 %	11.552 ppb	11.435 ppb	123.745 ppb	92.077 ppb	99.658 %	101.483 %
Concentration RSD	3.8 %	4.6 %	4.2 %	4.1 %	7.4 %	4.5 %	7.8 %	2.6 %	4.2 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	4.462 ppb	5.069 ppb	99.679 %	105.452 %	90.278 ppb	46.164 ppb	195.053 ppb	101.860 %	108.148 %
Concentration per Run 1	4.754 ppb	5.212 ppb	102.301 %	100.589 %	95.901 ppb	47.611 ppb	203.213 ppb	100.305 %	103.553 %
Concentration per Run 2	4.316 ppb	4.959 ppb	100.442 %	108.156 %	87.696 ppb	45.071 ppb	186.066 ppb	103.051 %	111.958 %
Concentration per Run 3	4.316 ppb	5.037 ppb	96.293 %	107.611 %	87.237 ppb	45.810 ppb	195.882 ppb	102.225 %	108.933 %
Concentration RSD	5.7 %	2.6 %	3.1 %	4.0 %	5.4 %	2.8 %	4.4 %	1.4 %	3.9 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	101.771 %	108.612 %	11.904 ppb	51.706 ppb	96.762 %	103.774 %
Concentration per Run 1	99.823 %	103.648 %	12.405 ppb	54.771 ppb	96.521 %	98.422 %
Concentration per Run 2	106.723 %	111.152 %	11.606 ppb	50.524 ppb	96.845 %	106.471 %
Concentration per Run 3	98.768 %	111.036 %	11.701 ppb	49.824 ppb	96.920 %	106.430 %
Concentration RSD	4.2 %	4.0 %	3.7 %	5.2 %	0.2 %	4.5 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	66	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	WG2148481-5d10 6020TL	Rack	1		
Analysis started at:	12/4/2025 7:59:40 PM	Vial	42		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	111.329 %	110.811 %	45.128 ppb	51.749 ppb	9,634.952 ppb	6,131.783 ppb	60.937 ppb	10,558.846 ppb	9,585.134 ppb
Concentration per Run 1	110.442 %	109.818 %	46.680 ppb	52.846 ppb	9,856.055 ppb	6,508.245 ppb	62.199 ppb	11,369.939 ppb	9,454.090 ppb
Concentration per Run 2	110.643 %	111.373 %	44.714 ppb	51.520 ppb	9,658.136 ppb	5,955.184 ppb	63.117 ppb	10,126.110 ppb	10,312.410 ppb
Concentration per Run 3	112.901 %	111.240 %	43.988 ppb	50.881 ppb	9,390.664 ppb	5,931.920 ppb	57.496 ppb	10,180.490 ppb	8,988.901 ppb
Concentration RSD	1.2 %	0.8 %	3.1 %	1.9 %	2.4 %	5.3 %	4.9 %	6.7 %	7.0 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	111.853 %	108.359 %	44.804 ppb	44.214 ppb	449.066 ppb	4,836.888 ppb	45.387 ppb	49.270 ppb	44.868 ppb
Concentration per Run 1	109.806 %	103.005 %	45.134 ppb	46.750 ppb	469.826 ppb	4,971.196 ppb	48.710 ppb	52.975 ppb	45.679 ppb
Concentration per Run 2	117.891 %	108.738 %	45.798 ppb	44.069 ppb	444.815 ppb	4,887.514 ppb	43.963 ppb	44.998 ppb	45.710 ppb
Concentration per Run 3	107.861 %	113.333 %	43.481 ppb	41.823 ppb	432.558 ppb	4,651.956 ppb	43.488 ppb	49.837 ppb	43.215 ppb
Concentration RSD	4.8 %	4.8 %	2.7 %	5.6 %	4.2 %	3.4 %	6.4 %	8.2 %	3.2 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	45.155 ppb	110.505 %	104.884 %	47.296 ppb	48.199 ppb	73.432 ppb	46.962 ppb	104.431 %	100.039 %
Concentration per Run 1	47.425 ppb	109.080 %	98.150 %	49.845 ppb	50.961 ppb	76.171 ppb	46.096 ppb	107.252 %	97.414 %
Concentration per Run 2	45.014 ppb	112.123 %	106.253 %	45.924 ppb	47.492 ppb	73.449 ppb	46.809 ppb	105.312 %	100.279 %
Concentration per Run 3	43.027 ppb	110.313 %	110.250 %	46.118 ppb	46.145 ppb	70.676 ppb	47.982 ppb	100.728 %	102.424 %
Concentration RSD	4.9 %	1.4 %	5.9 %	4.7 %	5.2 %	3.7 %	2.0 %	3.2 %	2.5 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	1.333 ppb	44.284 ppb	99.526 %	104.750 %	43.844 ppb	45.572 ppb	56.690 ppb	106.949 %	107.798 %
Concentration per Run 1	1.356 ppb	45.764 ppb	98.281 %	99.841 %	45.486 ppb	47.606 ppb	58.940 ppb	112.141 %	102.745 %
Concentration per Run 2	1.313 ppb	43.734 ppb	99.459 %	106.333 %	42.705 ppb	44.496 ppb	55.631 ppb	105.112 %	108.366 %
Concentration per Run 3	1.328 ppb	43.354 ppb	100.840 %	108.077 %	43.341 ppb	44.614 ppb	55.500 ppb	103.594 %	112.283 %
Concentration RSD	1.6 %	2.9 %	1.3 %	4.1 %	3.3 %	3.9 %	3.4 %	4.3 %	4.4 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	104.762 %	109.035 %	46.482 ppb	46.470 ppb	96.363 %	102.419 %
Concentration per Run 1	107.994 %	105.180 %	47.111 ppb	48.630 ppb	93.775 %	98.167 %
Concentration per Run 2	102.204 %	111.274 %	46.748 ppb	46.474 ppb	98.646 %	102.062 %
Concentration per Run 3	104.089 %	110.652 %	45.587 ppb	44.306 ppb	96.667 %	107.028 %
Concentration RSD	2.8 %	3.1 %	1.7 %	4.7 %	2.5 %	4.3 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 67 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: CCV Rack 0
Analysis started at: 12/4/2025 8:04:09 PM Vial 9

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	111.706 %	110.515 %	58.022 ppb	56.785 ppb	5,993.368 ppb	6,136.639 ppb	58.961 ppb	6,002.075 ppb	6,100.276 ppb
Concentration per Run 1	113.558 %	110.751 %	58.919 ppb	56.178 ppb	6,062.265 ppb	6,756.485 ppb	61.200 ppb	6,211.477 ppb	6,572.694 ppb
Concentration per Run 2	111.793 %	111.862 %	57.909 ppb	57.120 ppb	5,869.522 ppb	5,587.405 ppb	59.643 ppb	5,833.172 ppb	6,028.729 ppb
Concentration per Run 3	109.768 %	108.930 %	57.239 ppb	57.059 ppb	6,048.318 ppb	6,066.029 ppb	56.041 ppb	5,961.576 ppb	5,699.406 ppb
Recovery Percentage 1			96.704 %	94.642 %	99.889 %	102.277 %	98.269 %	100.035 %	101.671 %
Concentration RSD	1.7 %	1.3 %	1.5 %	0.9 %	1.8 %	9.6 %	4.5 %	3.2 %	7.2 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	112.741 %	111.395 %	56.177 ppb	53.956 ppb	58.106 ppb	5,784.237 ppb	55.047 ppb	61.444 ppb	54.980 ppb
Concentration per Run 1	112.961 %	103.746 %	59.555 ppb	57.851 ppb	62.045 ppb	6,129.714 ppb	57.982 ppb	61.564 ppb	58.100 ppb
Concentration per Run 2	110.279 %	113.349 %	55.828 ppb	52.813 ppb	57.871 ppb	5,874.676 ppb	54.592 ppb	63.205 ppb	57.417 ppb
Concentration per Run 3	114.983 %	117.091 %	53.148 ppb	51.203 ppb	54.402 ppb	5,348.322 ppb	52.568 ppb	59.561 ppb	49.422 ppb
Recovery Percentage 1			93.628 %	89.926 %	96.844 %	96.404 %	91.746 %	102.406 %	91.633 %
Concentration RSD	2.1 %	6.2 %	5.7 %	6.4 %	6.6 %	6.9 %	5.0 %	3.0 %	8.8 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	55.889 ppb	109.383 %	107.677 %	57.653 ppb	58.692 ppb	59.992 ppb	58.220 ppb	104.110 %	99.781 %
Concentration per Run 1	58.940 ppb	111.400 %	100.264 %	60.955 ppb	59.556 ppb	63.053 ppb	61.856 ppb	100.311 %	94.931 %
Concentration per Run 2	55.144 ppb	107.470 %	108.511 %	56.553 ppb	59.496 ppb	58.954 ppb	57.364 ppb	106.301 %	102.754 %
Concentration per Run 3	53.581 ppb	109.279 %	114.255 %	55.451 ppb	57.026 ppb	57.970 ppb	55.438 ppb	105.717 %	101.657 %
Recovery Percentage 1	93.148 %			96.089 %	97.821 %	99.987 %	97.033 %		
Concentration RSD	4.9 %	1.8 %	6.5 %	5.1 %	2.5 %	4.5 %	5.7 %	3.2 %	4.2 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	57.797 ppb	57.021 ppb	100.698 %	103.235 %	55.710 ppb	53.833 ppb	60.146 ppb	103.867 %	106.753 %
Concentration per Run 1	60.106 ppb	59.236 ppb	103.781 %	99.272 %	57.786 ppb	55.387 ppb	62.407 ppb	105.580 %	101.510 %
Concentration per Run 2	56.790 ppb	55.749 ppb	99.074 %	105.806 %	54.232 ppb	52.302 ppb	60.226 ppb	101.472 %	106.546 %
Concentration per Run 3	56.497 ppb	56.078 ppb	99.238 %	104.628 %	55.110 ppb	53.810 ppb	57.805 ppb	104.550 %	112.204 %
Recovery Percentage 1	96.329 %	95.035 %			92.849 %	89.722 %	100.243 %		
Concentration RSD	3.5 %	3.4 %	2.7 %	3.4 %	3.3 %	2.9 %	3.8 %	2.1 %	5.0 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	103.559 %	108.907 %	57.305 ppb	57.694 ppb	97.013 %	104.277 %
Concentration per Run 1	102.849 %	105.130 %	59.402 ppb	59.857 ppb	99.402 %	99.704 %
Concentration per Run 2	102.124 %	109.316 %	56.649 ppb	56.734 ppb	96.763 %	105.099 %
Concentration per Run 3	105.703 %	112.274 %	55.863 ppb	56.492 ppb	94.874 %	108.030 %
Recovery Percentage 1			95.508 %	96.157 %		
Concentration RSD	1.8 %	3.3 %	3.2 %	3.3 %	2.3 %	4.0 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 68 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: CCB Rack 0
Analysis started at: 12/4/2025 8:08:43 PM Vial 10

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	115.723 %	110.529 %	0.017 ppb	0.220 ppb	-18.918 ppb	0.809 ppb	0.762 ppb	9.879 ppb	22.732 ppb
Concentration per Run 1	118.125 %	103.732 %	0.019 ppb	0.218 ppb	-8.641 ppb	1.379 ppb	1.052 ppb	14.585 ppb	23.349 ppb
Concentration per Run 2	114.203 %	111.196 %	0.016 ppb	0.245 ppb	-23.273 ppb	0.316 ppb	0.766 ppb	6.416 ppb	26.958 ppb
Concentration per Run 3	114.839 %	116.660 %	0.017 ppb	0.196 ppb	-24.839 ppb	0.732 ppb	0.466 ppb	8.637 ppb	17.889 ppb
Recovery Percentage 1			3.484 %	2.199 %	-3.784 %	1.156 %	7.618 %	9.879 %	22.732 %
Concentration RSD	1.8 %	5.9 %	9.2 %	11.0 %	47.2 %	66.2 %	38.5 %	42.8 %	20.1 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	115.468 %	105.037 %	-0.040 ppb	0.019 ppb	0.541 ppb	5.444 ppb	0.014 ppb	0.170 ppb	0.096 ppb
Concentration per Run 1	115.211 %	96.839 %	-0.035 ppb	0.025 ppb	0.580 ppb	5.980 ppb	0.010 ppb	0.108 ppb	0.126 ppb
Concentration per Run 2	109.910 %	107.595 %	-0.030 ppb	0.022 ppb	0.539 ppb	4.434 ppb	0.013 ppb	0.255 ppb	0.076 ppb
Concentration per Run 3	121.283 %	110.678 %	-0.054 ppb	0.009 ppb	0.503 ppb	5.918 ppb	0.020 ppb	0.146 ppb	0.087 ppb
Recovery Percentage 1			-0.797 %	1.862 %	54.051 %	10.888 %	2.811 %	8.487 %	9.610 %
Concentration RSD	4.9 %	6.9 %	31.8 %	47.5 %	7.1 %	16.1 %	36.3 %	45.0 %	27.2 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.945 ppb	106.512 %	104.718 %	0.002 ppb	0.136 ppb	0.012 ppb	0.112 ppb	106.501 %	103.160 %
Concentration per Run 1	0.972 ppb	108.186 %	94.278 %	-0.145 ppb	0.211 ppb	0.017 ppb	0.075 ppb	105.831 %	96.955 %
Concentration per Run 2	0.896 ppb	103.552 %	110.215 %	0.017 ppb	0.081 ppb	0.006 ppb	0.138 ppb	106.182 %	106.306 %
Concentration per Run 3	0.968 ppb	107.798 %	109.661 %	0.135 ppb	0.116 ppb	0.012 ppb	0.123 ppb	107.491 %	106.219 %
Recovery Percentage 1	18.904 %			0.428 %	2.722 %	2.387 %	5.604 %		
Concentration RSD	4.5 %	2.4 %	8.6 %	6,578.3 %	49.6 %	45.1 %	29.0 %	0.8 %	5.2 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.007 ppb	0.002 ppb	97.851 %	102.974 %	0.238 ppb	0.085 ppb	0.067 ppb	103.659 %	103.929 %
Concentration per Run 1	0.007 ppb	0.003 ppb	100.951 %	98.010 %	0.220 ppb	0.066 ppb	0.066 ppb	104.113 %	97.516 %
Concentration per Run 2	0.007 ppb	0.002 ppb	98.225 %	105.642 %	0.246 ppb	0.087 ppb	0.071 ppb	104.922 %	106.595 %
Concentration per Run 3	0.005 ppb	0.002 ppb	94.375 %	105.272 %	0.247 ppb	0.103 ppb	0.064 ppb	101.941 %	107.676 %
Recovery Percentage 1	1.649 %	1.111 %			7.928 %	2.134 %	13.365 %		
Concentration RSD	22.2 %	41.9 %	3.4 %	4.2 %	6.5 %	22.0 %	5.4 %	1.5 %	5.4 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	105.537 %	103.683 %	0.236 ppb	0.013 ppb	96.432 %	103.447 %
Concentration per Run 1	106.328 %	97.127 %	0.191 ppb	0.013 ppb	97.791 %	97.965 %
Concentration per Run 2	105.138 %	105.168 %	0.260 ppb	0.011 ppb	96.133 %	106.662 %
Concentration per Run 3	105.146 %	108.754 %	0.258 ppb	0.014 ppb	95.372 %	105.712 %
Recovery Percentage 1			23.636 %	1.283 %		
Concentration RSD	0.6 %	5.7 %	16.5 %	15.2 %	1.3 %	4.6 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	69	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	WG2148481-1 6020TL	Rack	1		
Analysis started at:	12/4/2025 8:34:37 PM	Vial	37		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	123.573 %	121.399 %	0.005 ppb	0.136 ppb	-41.847 ppb	1.141 ppb	0.927 ppb	-5.315 ppb	6.089 ppb
Concentration per Run 1	124.638 %	117.416 %	0.006 ppb	0.131 ppb	-35.987 ppb	1.109 ppb	1.158 ppb	-6.518 ppb	1.675 ppb
Concentration per Run 2	124.071 %	120.970 %	0.002 ppb	0.130 ppb	-43.850 ppb	1.183 ppb	0.939 ppb	-4.977 ppb	8.332 ppb
Concentration per Run 3	122.011 %	125.813 %	0.006 ppb	0.148 ppb	-45.704 ppb	1.130 ppb	0.685 ppb	-4.451 ppb	8.261 ppb
Concentration RSD	1.1 %	3.5 %	55.7 %	7.4 %	12.3 %	3.4 %	25.5 %	20.2 %	62.8 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	120.324 %	119.157 %	-0.044 ppb	0.075 ppb	0.130 ppb	1.837 ppb	0.003 ppb	0.145 ppb	0.049 ppb
Concentration per Run 1	135.303 %	113.126 %	-0.044 ppb	0.077 ppb	0.145 ppb	2.717 ppb	0.002 ppb	0.190 ppb	0.072 ppb
Concentration per Run 2	117.871 %	122.055 %	-0.044 ppb	0.061 ppb	0.111 ppb	0.933 ppb	0.003 ppb	0.108 ppb	0.030 ppb
Concentration per Run 3	107.796 %	122.290 %	-0.044 ppb	0.086 ppb	0.135 ppb	1.860 ppb	0.003 ppb	0.137 ppb	0.044 ppb
Concentration RSD	11.6 %	4.4 %	0.3 %	16.7 %	13.2 %	48.6 %	31.6 %	28.6 %	43.2 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.669 ppb	115.225 %	110.681 %	0.024 ppb	0.033 ppb	0.003 ppb	-0.041 ppb	117.165 %	105.151 %
Concentration per Run 1	0.671 ppb	113.657 %	104.683 %	-0.030 ppb	0.076 ppb	0.005 ppb	-0.043 ppb	117.164 %	103.050 %
Concentration per Run 2	0.620 ppb	117.478 %	113.756 %	0.046 ppb	0.003 ppb	0.001 ppb	-0.032 ppb	114.938 %	105.040 %
Concentration per Run 3	0.714 ppb	114.541 %	113.605 %	0.057 ppb	0.019 ppb	0.004 ppb	-0.047 ppb	119.393 %	107.363 %
Concentration RSD	7.0 %	1.7 %	4.7 %	194.1 %	118.4 %	52.1 %	19.3 %	1.9 %	2.1 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	-0.003 ppb	0.000 ppb	109.861 %	111.135 %	0.058 ppb	0.003 ppb	0.060 ppb	116.785 %	113.014 %
Concentration per Run 1	0.000 ppb	-0.001 ppb	108.645 %	105.894 %	0.059 ppb	0.000 ppb	0.070 ppb	117.661 %	108.972 %
Concentration per Run 2	-0.004 ppb	0.002 ppb	112.120 %	114.081 %	0.059 ppb	0.001 ppb	0.030 ppb	115.946 %	114.343 %
Concentration per Run 3	-0.004 ppb	-0.001 ppb	108.818 %	113.430 %	0.057 ppb	0.008 ppb	0.081 ppb	116.749 %	115.726 %
Concentration RSD	74.4 %	1,809.5 %	1.8 %	4.1 %	1.8 %	157.7 %	44.2 %	0.7 %	3.2 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	116.189 %	114.399 %	0.011 ppb	0.005 ppb	111.036 %	107.766 %
Concentration per Run 1	115.893 %	109.226 %	0.006 ppb	0.006 ppb	109.644 %	104.038 %
Concentration per Run 2	117.882 %	116.622 %	0.011 ppb	0.005 ppb	110.163 %	107.340 %
Concentration per Run 3	114.792 %	117.350 %	0.016 ppb	0.005 ppb	113.302 %	111.920 %
Concentration RSD	1.3 %	3.9 %	45.8 %	3.0 %	1.8 %	3.7 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	70	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	WG2148481-2d10 6020TL	Rack	1		
Analysis started at:	12/4/2025 8:39:07 PM	Vial	38		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	130.019 %	131.885 %	4.009 ppb	84.286 ppb	922.792 ppb	965.501 ppb	183.643 ppb	1,076.166 ppb	1,030.057 ppb
Concentration per Run 1	129.893 %	126.746 %	4.051 ppb	84.845 ppb	984.292 ppb	979.860 ppb	195.450 ppb	1,123.498 ppb	1,171.939 ppb
Concentration per Run 2	128.923 %	134.654 %	3.985 ppb	84.416 ppb	873.872 ppb	987.688 ppb	169.908 ppb	1,005.608 ppb	913.218 ppb
Concentration per Run 3	131.241 %	134.254 %	3.989 ppb	83.597 ppb	910.212 ppb	928.957 ppb	185.571 ppb	1,099.393 ppb	1,005.013 ppb
Concentration RSD	0.9 %	3.4 %	0.9 %	0.8 %	6.1 %	3.3 %	7.0 %	5.8 %	12.7 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	120.745 %	114.520 %	45.454 ppb	18.306 ppb	47.734 ppb	101.069 ppb	45.029 ppb	45.455 ppb	22.926 ppb
Concentration per Run 1	115.916 %	109.376 %	47.819 ppb	19.218 ppb	50.322 ppb	107.143 ppb	45.848 ppb	48.283 ppb	24.947 ppb
Concentration per Run 2	123.411 %	117.109 %	44.076 ppb	17.463 ppb	46.250 ppb	98.926 ppb	44.558 ppb	43.735 ppb	21.337 ppb
Concentration per Run 3	122.908 %	117.075 %	44.467 ppb	18.238 ppb	46.629 ppb	97.137 ppb	44.681 ppb	44.347 ppb	22.493 ppb
Concentration RSD	3.5 %	3.9 %	4.5 %	4.8 %	4.7 %	5.3 %	1.6 %	5.4 %	8.0 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	46.113 ppb	117.225 %	107.066 %	11.864 ppb	12.254 ppb	103.628 ppb	95.224 ppb	111.411 %	102.730 %
Concentration per Run 1	48.532 ppb	117.763 %	102.194 %	12.333 ppb	12.127 ppb	108.949 ppb	98.088 ppb	110.814 %	98.406 %
Concentration per Run 2	44.973 ppb	118.072 %	109.832 %	11.814 ppb	12.458 ppb	101.751 ppb	92.403 ppb	113.344 %	103.307 %
Concentration per Run 3	44.834 ppb	115.839 %	109.173 %	11.446 ppb	12.178 ppb	100.184 ppb	95.180 ppb	110.075 %	106.479 %
Concentration RSD	4.5 %	1.0 %	4.0 %	3.8 %	1.5 %	4.5 %	3.0 %	1.5 %	4.0 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	4.507 ppb	5.177 ppb	105.122 %	105.781 %	90.320 ppb	43.211 ppb	190.245 ppb	111.322 %	108.751 %
Concentration per Run 1	4.747 ppb	5.401 ppb	106.671 %	102.719 %	94.037 ppb	43.876 ppb	203.216 ppb	113.893 %	103.649 %
Concentration per Run 2	4.423 ppb	5.238 ppb	106.493 %	106.238 %	89.861 ppb	42.790 ppb	183.686 ppb	108.310 %	113.393 %
Concentration per Run 3	4.352 ppb	4.892 ppb	102.201 %	108.385 %	87.061 ppb	42.967 ppb	183.833 ppb	111.764 %	109.212 %
Concentration RSD	4.7 %	5.0 %	2.4 %	2.7 %	3.9 %	1.3 %	5.9 %	2.5 %	4.5 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	113.731 %	108.603 %	12.133 ppb	51.859 ppb	105.772 %	107.077 %
Concentration per Run 1	112.430 %	102.226 %	12.950 ppb	55.535 ppb	106.585 %	100.975 %
Concentration per Run 2	113.768 %	112.569 %	11.816 ppb	50.937 ppb	101.758 %	109.044 %
Concentration per Run 3	114.995 %	111.014 %	11.634 ppb	49.106 ppb	108.972 %	111.213 %
Concentration RSD	1.1 %	5.1 %	5.9 %	6.4 %	3.5 %	5.0 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 71
Analysis label: WG2148481-6 6020TL
Analysis started at: 12/4/2025 8:43:36 PM
User name ALPHALAB\ICPMSRQ
Rack 1
Vial 43
Comment <Comment>

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	112.081 %	114.839 %	0.013 ppb	8.859 ppb	10,001.405 ppb	3,040.146 ppb	29.398 ppb	11,483.639 ppb	8,951.530 ppb
Concentration per Run 1	113.371 %	117.682 %	0.012 ppb	8.828 ppb	10,064.416 ppb	2,906.428 ppb	29.833 ppb	11,161.665 ppb	8,884.380 ppb
Concentration per Run 2	110.454 %	112.840 %	0.016 ppb	9.091 ppb	9,661.342 ppb	3,249.627 ppb	27.690 ppb	11,824.113 ppb	8,683.086 ppb
Concentration per Run 3	112.419 %	113.995 %	0.012 ppb	8.657 ppb	10,278.457 ppb	2,964.381 ppb	30.673 ppb	11,465.137 ppb	9,287.124 ppb
Concentration RSD	1.3 %	2.2 %	17.6 %	2.5 %	3.1 %	6.0 %	5.2 %	2.9 %	3.4 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	111.671 %	111.778 %	0.170 ppb	0.748 ppb	809.085 ppb	91.435 ppb	0.141 ppb	0.819 ppb	0.306 ppb
Concentration per Run 1	109.252 %	109.476 %	0.131 ppb	0.781 ppb	816.554 ppb	93.320 ppb	0.140 ppb	0.797 ppb	0.259 ppb
Concentration per Run 2	108.601 %	110.794 %	0.204 ppb	0.754 ppb	811.758 ppb	89.912 ppb	0.154 ppb	0.852 ppb	0.308 ppb
Concentration per Run 3	117.161 %	115.065 %	0.174 ppb	0.708 ppb	798.943 ppb	91.073 ppb	0.129 ppb	0.807 ppb	0.351 ppb
Concentration RSD	4.3 %	2.6 %	21.7 %	4.9 %	1.1 %	1.9 %	9.1 %	3.6 %	15.0 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	6.378 ppb	112.011 %	107.695 %	0.070 ppb	0.110 ppb	46.821 ppb	0.217 ppb	104.410 %	99.358 %
Concentration per Run 1	6.586 ppb	113.389 %	105.574 %	0.137 ppb	0.138 ppb	46.467 ppb	0.159 ppb	102.030 %	98.025 %
Concentration per Run 2	6.212 ppb	112.236 %	106.662 %	-0.029 ppb	0.169 ppb	46.968 ppb	0.183 ppb	105.530 %	100.319 %
Concentration per Run 3	6.334 ppb	110.408 %	110.850 %	0.102 ppb	0.022 ppb	47.028 ppb	0.308 ppb	105.670 %	99.730 %
Concentration RSD	3.0 %	1.3 %	2.6 %	125.2 %	70.7 %	0.7 %	37.0 %	2.0 %	1.2 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.001 ppb	0.011 ppb	98.829 %	103.106 %	0.179 ppb	0.100 ppb	22.562 ppb	106.000 %	107.235 %
Concentration per Run 1	0.001 ppb	0.010 ppb	95.992 %	102.196 %	0.172 ppb	0.087 ppb	22.941 ppb	107.649 %	103.956 %
Concentration per Run 2	0.002 ppb	0.007 ppb	99.132 %	102.281 %	0.179 ppb	0.094 ppb	22.396 ppb	106.569 %	108.099 %
Concentration per Run 3	0.001 ppb	0.015 ppb	101.364 %	104.842 %	0.185 ppb	0.119 ppb	22.349 ppb	103.780 %	109.649 %
Concentration RSD	60.2 %	37.1 %	2.7 %	1.5 %	3.6 %	17.0 %	1.5 %	1.9 %	2.7 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	107.978 %	106.254 %	0.058 ppb	0.073 ppb	100.915 %	102.549 %
Concentration per Run 1	108.637 %	105.059 %	0.051 ppb	0.071 ppb	101.613 %	100.209 %
Concentration per Run 2	110.985 %	105.053 %	0.060 ppb	0.074 ppb	101.464 %	103.850 %
Concentration per Run 3	104.311 %	108.650 %	0.061 ppb	0.073 ppb	99.669 %	103.587 %
Concentration RSD	3.1 %	2.0 %	9.7 %	2.3 %	1.1 %	2.0 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 72 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: I2573909-11 6020TL Rack 1
Analysis started at: 12/4/2025 8:48:05 PM Vial 44

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	109.965 %	111.285 %	0.024 ppb	33.693 ppb	20,450.540 ppb	19,835.060 ppb	387.097 ppb	32,552.719 ppb	158,186.582 ppb
Concentration per Run 1	112.604 %	103.599 %	0.028 ppb	32.437 ppb	22,200.868 ppb	20,025.500 ppb	410.889 ppb	34,034.426 ppb	184,401.848 ppb
Concentration per Run 2	111.505 %	115.594 %	0.023 ppb	32.651 ppb	19,618.178 ppb	20,951.984 ppb	373.829 ppb	33,453.899 ppb	150,423.486 ppb
Concentration per Run 3	105.785 %	114.661 %	0.021 ppb	35.990 ppb	19,532.575 ppb	18,527.696 ppb	376.572 ppb	30,169.831 ppb	139,734.413 ppb
Concentration RSD	3.3 %	6.0 %	13.1 %	5.9 %	7.4 %	6.2 %	5.3 %	6.4 %	14.7 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	109.306 %	112.374 %	6.011 ppb	1.269 ppb	73.789 ppb	894.292 ppb	0.496 ppb	3.932 ppb	4.678 ppb
Concentration per Run 1	114.130 %	102.124 %	6.621 ppb	1.424 ppb	81.566 ppb	998.136 ppb	0.545 ppb	3.765 ppb	5.175 ppb
Concentration per Run 2	105.915 %	114.518 %	5.905 ppb	1.208 ppb	71.839 ppb	896.116 ppb	0.459 ppb	3.713 ppb	4.585 ppb
Concentration per Run 3	107.874 %	120.479 %	5.507 ppb	1.175 ppb	67.962 ppb	788.624 ppb	0.484 ppb	4.318 ppb	4.274 ppb
Concentration RSD	3.9 %	8.3 %	9.4 %	10.7 %	9.5 %	11.7 %	9.0 %	8.5 %	9.8 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	23.933 ppb	108.626 %	108.173 %	2.897 ppb	0.352 ppb	620.444 ppb	7.351 ppb	99.864 %	99.856 %
Concentration per Run 1	26.357 ppb	109.225 %	97.425 %	3.161 ppb	0.459 ppb	689.866 ppb	8.272 ppb	102.393 %	88.896 %
Concentration per Run 2	23.362 ppb	111.021 %	109.869 %	2.883 ppb	0.355 ppb	600.438 ppb	7.396 ppb	97.990 %	102.617 %
Concentration per Run 3	22.081 ppb	105.631 %	117.227 %	2.647 ppb	0.240 ppb	571.028 ppb	6.386 ppb	99.208 %	108.054 %
Concentration RSD	9.2 %	2.5 %	9.3 %	8.9 %	31.2 %	10.0 %	12.8 %	2.3 %	9.9 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.006 ppb	0.137 ppb	95.383 %	104.243 %	0.283 ppb	0.336 ppb	29.880 ppb	101.302 %	110.396 %
Concentration per Run 1	0.006 ppb	0.138 ppb	97.986 %	93.110 %	0.399 ppb	0.385 ppb	32.366 ppb	102.969 %	100.451 %
Concentration per Run 2	0.006 ppb	0.161 ppb	95.185 %	106.606 %	0.256 ppb	0.311 ppb	29.099 ppb	100.215 %	112.680 %
Concentration per Run 3	0.006 ppb	0.112 ppb	92.978 %	113.013 %	0.193 ppb	0.312 ppb	28.176 ppb	100.721 %	118.055 %
Concentration RSD	2.6 %	18.0 %	2.6 %	9.7 %	37.3 %	12.5 %	7.4 %	1.4 %	8.2 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	104.322 %	109.964 %	0.117 ppb	0.696 ppb	91.348 %	100.653 %
Concentration per Run 1	104.215 %	97.627 %	0.129 ppb	0.794 ppb	95.321 %	89.519 %
Concentration per Run 2	103.999 %	113.056 %	0.117 ppb	0.691 ppb	90.094 %	102.273 %
Concentration per Run 3	104.754 %	119.208 %	0.105 ppb	0.602 ppb	88.629 %	110.165 %
Concentration RSD	0.4 %	10.1 %	10.1 %	13.8 %	3.9 %	10.4 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 73 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: CCV Rack 0
Analysis started at: 12/4/2025 8:53:42 PM Vial 9

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	112.230 %	108.530 %	58.007 ppb	55.746 ppb	6,032.951 ppb	6,110.358 ppb	57.770 ppb	6,193.057 ppb	6,135.698 ppb
Concentration per Run 1	108.605 %	107.508 %	59.710 ppb	59.380 ppb	6,038.319 ppb	6,095.872 ppb	56.093 ppb	6,319.959 ppb	5,991.197 ppb
Concentration per Run 2	112.720 %	106.042 %	57.629 ppb	54.149 ppb	6,188.481 ppb	6,448.195 ppb	58.852 ppb	6,331.404 ppb	5,943.043 ppb
Concentration per Run 3	115.364 %	112.040 %	56.682 ppb	53.710 ppb	5,872.052 ppb	5,787.006 ppb	58.367 ppb	5,927.808 ppb	6,472.853 ppb
Recovery Percentage 1			96.678 %	92.910 %	100.549 %	101.839 %	96.284 %	103.218 %	102.262 %
Concentration RSD	3.0 %	2.9 %	2.7 %	5.7 %	2.6 %	5.4 %	2.6 %	3.7 %	4.8 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	107.215 %	107.720 %	56.789 ppb	56.195 ppb	58.470 ppb	5,930.365 ppb	57.464 ppb	65.028 ppb	58.380 ppb
Concentration per Run 1	107.358 %	104.337 %	59.534 ppb	57.108 ppb	59.658 ppb	6,151.524 ppb	56.092 ppb	69.206 ppb	58.585 ppb
Concentration per Run 2	111.046 %	108.387 %	55.970 ppb	56.008 ppb	58.086 ppb	5,809.519 ppb	58.465 ppb	63.676 ppb	57.281 ppb
Concentration per Run 3	103.240 %	110.435 %	54.861 ppb	55.468 ppb	57.667 ppb	5,830.053 ppb	57.835 ppb	62.201 ppb	59.274 ppb
Recovery Percentage 1			94.648 %	93.658 %	97.451 %	98.839 %	95.774 %	108.379 %	97.300 %
Concentration RSD	3.6 %	2.9 %	4.3 %	1.5 %	1.8 %	3.2 %	2.1 %	5.7 %	1.7 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	56.286 ppb	108.644 %	105.040 %	57.700 ppb	59.049 ppb	59.474 ppb	59.334 ppb	104.112 %	99.466 %
Concentration per Run 1	57.042 ppb	107.600 %	102.209 %	58.677 ppb	60.816 ppb	60.147 ppb	61.240 ppb	107.076 %	97.892 %
Concentration per Run 2	55.734 ppb	110.531 %	105.092 %	57.987 ppb	59.262 ppb	59.480 ppb	59.069 ppb	104.297 %	100.871 %
Concentration per Run 3	56.083 ppb	107.803 %	107.818 %	56.435 ppb	57.070 ppb	58.794 ppb	57.694 ppb	100.964 %	99.635 %
Recovery Percentage 1	93.811 %			96.166 %	98.415 %	99.123 %	98.890 %		
Concentration RSD	1.2 %	1.5 %	2.7 %	2.0 %	3.2 %	1.1 %	3.0 %	2.9 %	1.5 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	56.599 ppb	57.423 ppb	96.491 %	100.743 %	56.779 ppb	54.676 ppb	59.599 ppb	105.539 %	105.448 %
Concentration per Run 1	58.399 ppb	59.532 ppb	95.057 %	98.065 %	58.960 ppb	54.877 ppb	60.303 ppb	104.445 %	103.777 %
Concentration per Run 2	55.728 ppb	56.354 ppb	97.695 %	100.992 %	55.902 ppb	54.764 ppb	59.956 ppb	105.959 %	105.121 %
Concentration per Run 3	55.670 ppb	56.382 ppb	96.720 %	103.171 %	55.474 ppb	54.386 ppb	58.538 ppb	106.214 %	107.445 %
Recovery Percentage 1	94.332 %	95.704 %			94.631 %	91.126 %	99.332 %		
Concentration RSD	2.8 %	3.2 %	1.4 %	2.5 %	3.3 %	0.5 %	1.6 %	0.9 %	1.8 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	105.853 %	106.875 %	57.725 ppb	57.900 ppb	95.653 %	102.561 %
Concentration per Run 1	108.847 %	102.503 %	58.857 ppb	60.112 ppb	93.124 %	98.832 %
Concentration per Run 2	106.364 %	109.541 %	56.826 ppb	56.404 ppb	96.570 %	104.475 %
Concentration per Run 3	102.349 %	108.580 %	57.492 ppb	57.183 ppb	97.265 %	104.377 %
Recovery Percentage 1			96.208 %	96.500 %		
Concentration RSD	3.1 %	3.6 %	1.8 %	3.4 %	2.3 %	3.1 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 74 User name ALPHALAB\ICPMSRQ Comment <Comment>
Analysis label: CCB Rack 0
Analysis started at: 12/4/2025 8:58:17 PM Vial 10

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	116.403 %	115.816 %	0.013 ppb	0.160 ppb	-28.763 ppb	2.205 ppb	0.639 ppb	6.478 ppb	16.843 ppb
Concentration per Run 1	114.389 %	112.840 %	0.017 ppb	0.180 ppb	-23.322 ppb	0.740 ppb	0.770 ppb	8.675 ppb	2.184 ppb
Concentration per Run 2	117.567 %	117.238 %	0.010 ppb	0.151 ppb	-28.658 ppb	4.835 ppb	0.111 ppb	6.521 ppb	34.217 ppb
Concentration per Run 3	117.254 %	117.371 %	0.011 ppb	0.149 ppb	-34.308 ppb	1.039 ppb	1.037 ppb	4.239 ppb	14.127 ppb
Recovery Percentage 1			2.531 %	1.601 %	-5.753 %	3.150 %	6.394 %	6.478 %	16.843 %
Concentration RSD	1.5 %	2.2 %	31.2 %	10.8 %	19.1 %	103.5 %	74.6 %	34.2 %	96.1 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	110.247 %	109.406 %	0.000 ppb	0.104 ppb	0.528 ppb	5.614 ppb	0.019 ppb	0.138 ppb	0.108 ppb
Concentration per Run 1	113.206 %	105.694 %	0.003 ppb	0.270 ppb	0.531 ppb	4.849 ppb	0.010 ppb	0.126 ppb	0.109 ppb
Concentration per Run 2	114.601 %	109.097 %	-0.009 ppb	0.048 ppb	0.553 ppb	7.306 ppb	0.031 ppb	0.123 ppb	0.127 ppb
Concentration per Run 3	102.936 %	113.427 %	0.005 ppb	-0.007 ppb	0.500 ppb	4.686 ppb	0.016 ppb	0.165 ppb	0.089 ppb
Recovery Percentage 1			-0.005 %	10.385 %	52.800 %	11.228 %	3.768 %	6.889 %	10.824 %
Concentration RSD	5.8 %	3.5 %	2,948.8 %	141.1 %	5.1 %	26.1 %	58.5 %	17.1 %	17.7 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.807 ppb	107.576 %	105.285 %	0.084 ppb	0.104 ppb	0.031 ppb	0.077 ppb	106.744 %	102.719 %
Concentration per Run 1	0.831 ppb	106.811 %	103.376 %	0.112 ppb	0.109 ppb	0.022 ppb	0.049 ppb	104.642 %	97.568 %
Concentration per Run 2	0.811 ppb	111.369 %	106.128 %	0.036 ppb	0.167 ppb	0.056 ppb	0.078 ppb	106.651 %	105.192 %
Concentration per Run 3	0.777 ppb	104.548 %	106.350 %	0.105 ppb	0.037 ppb	0.016 ppb	0.105 ppb	108.939 %	105.396 %
Recovery Percentage 1	16.131 %			16.864 %	2.083 %	6.222 %	3.853 %		
Concentration RSD	3.4 %	3.2 %	1.6 %	49.8 %	62.8 %	69.4 %	36.4 %	2.0 %	4.3 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.017 ppb	0.010 ppb	98.941 %	102.500 %	0.300 ppb	0.076 ppb	0.072 ppb	103.150 %	105.631 %
Concentration per Run 1	0.007 ppb	0.000 ppb	96.962 %	97.790 %	0.269 ppb	0.055 ppb	0.076 ppb	104.058 %	101.427 %
Concentration per Run 2	0.034 ppb	0.025 ppb	97.929 %	105.396 %	0.368 ppb	0.094 ppb	0.070 ppb	103.003 %	107.847 %
Concentration per Run 3	0.011 ppb	0.006 ppb	101.933 %	104.313 %	0.263 ppb	0.078 ppb	0.071 ppb	102.390 %	107.620 %
Recovery Percentage 1	4.257 %	5.190 %			9.995 %	1.896 %	14.468 %		
Concentration RSD	87.4 %	124.6 %	2.7 %	4.0 %	19.6 %	25.7 %	4.1 %	0.8 %	3.4 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	101.489 %	106.307 %	0.190 ppb	0.021 ppb	99.012 %	104.829 %
Concentration per Run 1	101.282 %	101.807 %	0.147 ppb	0.015 ppb	100.892 %	99.710 %
Concentration per Run 2	103.310 %	108.193 %	0.239 ppb	0.034 ppb	97.020 %	105.715 %
Concentration per Run 3	99.875 %	108.921 %	0.184 ppb	0.012 ppb	99.124 %	109.061 %
Recovery Percentage 1			18.983 %	2.068 %		
Concentration RSD	1.7 %	3.7 %	24.2 %	57.0 %	2.0 %	4.5 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	75	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	WG2146434-1 6020SL	Rack	1		
Analysis started at:	12/4/2025 9:44:36 PM	Vial	45		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	132.873 %	126.272 %	0.000 ppb	0.169 ppb	-55.720 ppb	0.791 ppb	0.727 ppb	-4.757 ppb	3.361 ppb
Concentration per Run 1	132.348 %	121.770 %	-0.002 ppb	0.176 ppb	-51.891 ppb	0.586 ppb	1.357 ppb	-7.155 ppb	2.256 ppb
Concentration per Run 2	136.207 %	127.012 %	-0.001 ppb	0.156 ppb	-56.538 ppb	0.762 ppb	0.105 ppb	-6.424 ppb	6.036 ppb
Concentration per Run 3	130.063 %	130.033 %	0.003 ppb	0.176 ppb	-58.731 ppb	1.025 ppb	0.718 ppb	-0.691 ppb	1.791 ppb
Concentration RSD	2.3 %	3.3 %	1,164.7 %	6.8 %	6.3 %	27.9 %	86.2 %	74.4 %	69.3 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	132.771 %	127.578 %	-0.023 ppb	0.007 ppb	0.202 ppb	1.054 ppb	0.000 ppb	-0.052 ppb	0.063 ppb
Concentration per Run 1	135.295 %	124.444 %	-0.006 ppb	0.016 ppb	0.210 ppb	0.918 ppb	0.004 ppb	-0.053 ppb	0.047 ppb
Concentration per Run 2	140.936 %	128.455 %	-0.035 ppb	-0.005 ppb	0.194 ppb	1.669 ppb	-0.002 ppb	-0.057 ppb	0.069 ppb
Concentration per Run 3	122.082 %	129.835 %	-0.027 ppb	0.010 ppb	0.202 ppb	0.575 ppb	-0.002 ppb	-0.047 ppb	0.074 ppb
Concentration RSD	7.3 %	2.2 %	66.4 %	151.5 %	3.9 %	53.1 %	1,006.6 %	9.8 %	23.0 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.571 ppb	131.605 %	115.793 %	-0.076 ppb	0.048 ppb	0.012 ppb	0.020 ppb	125.294 %	110.085 %
Concentration per Run 1	0.564 ppb	136.963 %	113.532 %	-0.251 ppb	0.072 ppb	0.007 ppb	0.063 ppb	126.689 %	105.874 %
Concentration per Run 2	0.586 ppb	131.555 %	116.938 %	0.015 ppb	0.056 ppb	0.016 ppb	-0.006 ppb	125.933 %	112.249 %
Concentration per Run 3	0.562 ppb	126.298 %	116.908 %	0.007 ppb	0.016 ppb	0.013 ppb	0.003 ppb	123.261 %	112.133 %
Concentration RSD	2.4 %	4.1 %	1.7 %	198.4 %	60.4 %	38.6 %	188.4 %	1.4 %	3.3 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.001 ppb	0.002 ppb	118.417 %	113.826 %	0.105 ppb	0.020 ppb	0.071 ppb	125.696 %	116.695 %
Concentration per Run 1	0.000 ppb	0.000 ppb	118.917 %	108.579 %	0.140 ppb	0.033 ppb	0.078 ppb	123.956 %	112.441 %
Concentration per Run 2	0.001 ppb	0.003 ppb	119.953 %	114.526 %	0.106 ppb	0.011 ppb	0.086 ppb	125.921 %	117.944 %
Concentration per Run 3	0.001 ppb	0.003 ppb	116.381 %	118.372 %	0.069 ppb	0.017 ppb	0.050 ppb	127.210 %	119.701 %
Concentration RSD	119.6 %	69.8 %	1.6 %	4.3 %	34.0 %	57.4 %	26.3 %	1.3 %	3.2 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	127.204 %	119.078 %	0.033 ppb	0.010 ppb	124.200 %	114.956 %
Concentration per Run 1	134.213 %	114.501 %	0.038 ppb	0.011 ppb	122.012 %	112.067 %
Concentration per Run 2	127.245 %	121.303 %	0.034 ppb	0.009 ppb	128.668 %	115.948 %
Concentration per Run 3	120.152 %	121.431 %	0.025 ppb	0.010 ppb	121.919 %	116.854 %
Concentration RSD	5.5 %	3.3 %	20.0 %	9.0 %	3.1 %	2.2 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	76	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	WG2146434-2d10 6020SL	Rack	1		
Analysis started at:	12/4/2025 9:49:05 PM	Vial	46		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	119.638 %	119.948 %	4.784 ppb	99.511 ppb	1,006.140 ppb	1,016.846 ppb	201.704 ppb	1,069.288 ppb	1,089.414 ppb
Concentration per Run 1	121.977 %	116.749 %	4.694 ppb	97.077 ppb	1,041.556 ppb	1,023.471 ppb	221.215 ppb	1,071.160 ppb	1,211.072 ppb
Concentration per Run 2	114.132 %	120.348 %	5.042 ppb	106.673 ppb	991.564 ppb	1,054.707 ppb	187.014 ppb	1,099.625 ppb	1,070.626 ppb
Concentration per Run 3	122.805 %	122.747 %	4.614 ppb	94.783 ppb	985.301 ppb	972.361 ppb	196.881 ppb	1,037.081 ppb	986.544 ppb
Concentration RSD	4.0 %	2.5 %	4.8 %	6.3 %	3.1 %	4.1 %	8.7 %	2.9 %	10.4 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	117.989 %	115.263 %	46.157 ppb	17.564 ppb	47.754 ppb	101.168 ppb	44.901 ppb	49.460 ppb	24.168 ppb
Concentration per Run 1	118.210 %	112.048 %	45.481 ppb	18.061 ppb	48.431 ppb	104.410 ppb	45.513 ppb	51.701 ppb	25.345 ppb
Concentration per Run 2	110.593 %	117.773 %	46.351 ppb	17.348 ppb	46.649 ppb	98.952 ppb	46.915 ppb	51.070 ppb	23.919 ppb
Concentration per Run 3	125.164 %	115.968 %	46.638 ppb	17.284 ppb	48.183 ppb	100.142 ppb	42.275 ppb	45.611 ppb	23.240 ppb
Concentration RSD	6.2 %	2.5 %	1.3 %	2.5 %	2.0 %	2.8 %	5.3 %	6.8 %	4.4 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	46.194 ppb	120.168 %	108.656 %	12.134 ppb	12.116 ppb	104.592 ppb	98.487 ppb	113.162 %	104.457 %
Concentration per Run 1	47.734 ppb	120.432 %	103.420 %	12.742 ppb	11.929 ppb	107.214 ppb	97.517 ppb	119.880 %	102.077 %
Concentration per Run 2	45.452 ppb	118.740 %	111.199 %	11.743 ppb	12.377 ppb	102.047 ppb	95.758 ppb	108.678 %	105.833 %
Concentration per Run 3	45.396 ppb	121.330 %	111.351 %	11.918 ppb	12.043 ppb	104.515 ppb	102.184 ppb	110.928 %	105.461 %
Concentration RSD	2.9 %	1.1 %	4.2 %	4.4 %	1.9 %	2.5 %	3.4 %	5.2 %	2.0 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	4.531 ppb	5.212 ppb	107.733 %	106.510 %	92.470 ppb	42.919 ppb	190.535 ppb	114.995 %	109.673 %
Concentration per Run 1	4.562 ppb	5.374 ppb	110.237 %	103.444 %	95.220 ppb	42.311 ppb	199.775 ppb	122.212 %	105.216 %
Concentration per Run 2	4.489 ppb	5.219 ppb	104.163 %	107.478 %	92.108 ppb	43.716 ppb	189.219 ppb	108.178 %	111.405 %
Concentration per Run 3	4.542 ppb	5.044 ppb	108.800 %	108.609 %	90.084 ppb	42.729 ppb	182.612 ppb	114.595 %	112.397 %
Concentration RSD	0.8 %	3.2 %	2.9 %	2.5 %	2.8 %	1.7 %	4.5 %	6.1 %	3.5 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	116.162 %	111.193 %	12.316 ppb	51.700 ppb	110.907 %	109.111 %
Concentration per Run 1	120.245 %	106.279 %	12.899 ppb	54.332 ppb	112.371 %	103.407 %
Concentration per Run 2	113.022 %	112.496 %	12.053 ppb	50.814 ppb	111.665 %	111.187 %
Concentration per Run 3	115.218 %	114.803 %	11.996 ppb	49.954 ppb	108.683 %	112.740 %
Concentration RSD	3.2 %	4.0 %	4.1 %	4.5 %	1.8 %	4.6 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	77	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	L2573405-01 6020SL	Rack	1		
Analysis started at:	12/4/2025 9:53:35 PM	Vial	47		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	112.230 %	107.642 %	0.467 ppb	28.647 ppb	84,375.290 ppb	3,537.111 ppb	1,157.045 ppb	2,211.237 ppb	24,255.975 ppb
Concentration per Run 1	112.665 %	107.286 %	0.473 ppb	29.143 ppb	84,621.592 ppb	3,631.715 ppb	1,142.430 ppb	2,332.914 ppb	24,225.690 ppb
Concentration per Run 2	110.332 %	109.285 %	0.462 ppb	28.981 ppb	84,023.737 ppb	3,321.525 ppb	1,153.341 ppb	2,107.876 ppb	23,971.938 ppb
Concentration per Run 3	113.694 %	106.353 %	0.467 ppb	27.818 ppb	84,480.540 ppb	3,658.094 ppb	1,175.366 ppb	2,192.920 ppb	24,570.296 ppb
Concentration RSD	1.5 %	1.4 %	1.2 %	2.5 %	0.4 %	5.3 %	1.5 %	5.1 %	1.2 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	122.968 %	110.527 %	0.329 ppb	2.171 ppb	81.391 ppb	6,109.841 ppb	8.462 ppb	43.536 ppb	5.542 ppb
Concentration per Run 1	119.092 %	105.454 %	0.395 ppb	2.186 ppb	84.483 ppb	6,344.137 ppb	8.736 ppb	45.517 ppb	5.792 ppb
Concentration per Run 2	123.910 %	112.120 %	0.279 ppb	2.182 ppb	79.867 ppb	6,083.143 ppb	8.488 ppb	45.397 ppb	5.541 ppb
Concentration per Run 3	125.902 %	114.007 %	0.313 ppb	2.146 ppb	79.824 ppb	5,902.244 ppb	8.163 ppb	39.695 ppb	5.293 ppb
Concentration RSD	2.8 %	4.1 %	18.2 %	1.0 %	3.3 %	3.6 %	3.4 %	7.6 %	4.5 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	358.941 ppb	118.915 %	107.368 %	0.550 ppb	1.454 ppb	104.375 ppb	1.752 ppb	107.558 %	96.910 %
Concentration per Run 1	370.006 ppb	119.499 %	102.556 %	0.489 ppb	1.538 ppb	106.488 ppb	1.394 ppb	108.445 %	93.436 %
Concentration per Run 2	357.099 ppb	120.621 %	107.684 %	0.686 ppb	1.414 ppb	103.771 ppb	1.806 ppb	106.450 %	99.264 %
Concentration per Run 3	349.719 ppb	116.623 %	111.865 %	0.474 ppb	1.411 ppb	102.864 ppb	2.055 ppb	107.778 %	98.031 %
Concentration RSD	2.9 %	1.7 %	4.3 %	21.5 %	5.0 %	1.8 %	19.1 %	0.9 %	3.2 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.007 ppb	2.159 ppb	103.258 %	100.942 %	0.131 ppb	0.137 ppb	8.892 ppb	116.027 %	109.636 %
Concentration per Run 1	0.012 ppb	2.225 ppb	107.375 %	97.053 %	0.135 ppb	0.141 ppb	9.135 ppb	117.230 %	106.158 %
Concentration per Run 2	0.003 ppb	2.121 ppb	101.129 %	102.936 %	0.125 ppb	0.125 ppb	8.869 ppb	115.212 %	110.380 %
Concentration per Run 3	0.004 ppb	2.131 ppb	101.271 %	102.838 %	0.132 ppb	0.145 ppb	8.673 ppb	115.639 %	112.371 %
Concentration RSD	75.4 %	2.7 %	3.5 %	3.3 %	3.9 %	7.5 %	2.6 %	0.9 %	2.9 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	119.301 %	110.778 %	0.037 ppb	0.592 ppb	104.307 %	102.234 %
Concentration per Run 1	123.921 %	105.913 %	0.041 ppb	0.622 ppb	106.834 %	98.715 %
Concentration per Run 2	117.732 %	111.653 %	0.036 ppb	0.592 ppb	100.860 %	102.676 %
Concentration per Run 3	116.251 %	114.768 %	0.035 ppb	0.564 ppb	105.229 %	105.312 %
Concentration RSD	3.4 %	4.1 %	8.1 %	4.9 %	3.0 %	3.2 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	78	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	WG2146434-3d10 6020SL	Rack	1		
Analysis started at:	12/4/2025 9:58:06 PM	Vial	48		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	117.969 %	114.572 %	4.584 ppb	100.158 ppb	10,294.890 ppb	1,345.971 ppb	315.575 ppb	1,203.188 ppb	3,344.202 ppb
Concentration per Run 1	120.140 %	110.751 %	4.493 ppb	98.364 ppb	10,527.914 ppb	1,392.109 ppb	305.448 ppb	1,296.924 ppb	3,517.737 ppb
Concentration per Run 2	118.387 %	115.372 %	4.556 ppb	99.683 ppb	10,235.825 ppb	1,378.193 ppb	304.555 ppb	1,143.313 ppb	3,176.290 ppb
Concentration per Run 3	115.380 %	117.593 %	4.701 ppb	102.426 ppb	10,120.930 ppb	1,267.612 ppb	336.723 ppb	1,169.326 ppb	3,338.579 ppb
Concentration RSD	2.0 %	3.0 %	2.3 %	2.1 %	2.0 %	5.1 %	5.8 %	6.8 %	5.1 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	119.372 %	110.930 %	47.374 ppb	17.897 ppb	55.831 ppb	702.075 ppb	46.692 ppb	55.615 ppb	23.635 ppb
Concentration per Run 1	122.253 %	105.437 %	50.134 ppb	18.747 ppb	57.640 ppb	764.180 ppb	48.553 ppb	58.165 ppb	23.913 ppb
Concentration per Run 2	114.366 %	111.276 %	46.516 ppb	17.699 ppb	55.241 ppb	675.940 ppb	46.879 ppb	55.574 ppb	23.811 ppb
Concentration per Run 3	121.498 %	116.079 %	45.471 ppb	17.244 ppb	54.614 ppb	666.104 ppb	44.643 ppb	53.106 ppb	23.182 ppb
Concentration RSD	3.6 %	4.8 %	5.2 %	4.3 %	2.9 %	7.7 %	4.2 %	4.5 %	1.7 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	82.221 ppb	115.632 %	106.723 %	11.973 ppb	11.388 ppb	112.132 ppb	99.739 ppb	112.100 %	100.391 %
Concentration per Run 1	85.988 ppb	116.956 %	101.198 %	12.573 ppb	11.316 ppb	117.750 ppb	103.680 ppb	109.579 %	95.586 %
Concentration per Run 2	81.598 ppb	118.214 %	108.541 %	11.818 ppb	11.472 ppb	110.971 ppb	96.664 ppb	113.304 %	101.508 %
Concentration per Run 3	79.076 ppb	111.726 %	110.430 %	11.529 ppb	11.377 ppb	107.675 ppb	98.872 ppb	113.418 %	104.079 %
Concentration RSD	4.3 %	3.0 %	4.6 %	4.5 %	0.7 %	4.6 %	3.6 %	1.9 %	4.3 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	4.446 ppb	5.350 ppb	105.385 %	103.239 %	91.918 ppb	47.007 ppb	187.003 ppb	112.471 %	108.190 %
Concentration per Run 1	4.676 ppb	5.787 ppb	103.805 %	97.678 %	95.792 ppb	49.603 ppb	195.793 ppb	112.190 %	103.140 %
Concentration per Run 2	4.368 ppb	5.098 ppb	108.874 %	105.293 %	92.250 ppb	45.492 ppb	181.603 ppb	113.533 %	111.340 %
Concentration per Run 3	4.294 ppb	5.164 ppb	103.476 %	106.746 %	87.713 ppb	45.928 ppb	183.614 ppb	111.691 %	110.090 %
Concentration RSD	4.6 %	7.1 %	2.9 %	4.7 %	4.4 %	4.8 %	4.1 %	0.8 %	4.1 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	115.309 %	108.131 %	11.775 ppb	51.604 ppb	104.018 %	105.795 %
Concentration per Run 1	112.994 %	103.209 %	12.472 ppb	54.982 ppb	108.125 %	98.196 %
Concentration per Run 2	114.786 %	110.528 %	11.589 ppb	50.623 ppb	101.821 %	107.217 %
Concentration per Run 3	118.146 %	110.657 %	11.263 ppb	49.208 ppb	102.108 %	111.971 %
Concentration RSD	2.3 %	3.9 %	5.3 %	5.8 %	3.4 %	6.6 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	79	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	WG2146434-4 6020SL	Rack	1		
Analysis started at:	12/4/2025 10:02:36 PM	Vial	49		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	112.990 %	105.435 %	0.463 ppb	28.855 ppb	85,478.819 ppb	3,538.002 ppb	1,182.729 ppb	2,315.524 ppb	24,829.930 ppb
Concentration per Run 1	116.528 %	102.577 %	0.452 ppb	28.368 ppb	90,471.350 ppb	3,876.637 ppb	1,179.814 ppb	2,587.281 ppb	26,339.531 ppb
Concentration per Run 2	112.411 %	109.196 %	0.456 ppb	29.288 ppb	80,995.367 ppb	3,316.117 ppb	1,146.525 ppb	2,129.048 ppb	24,943.440 ppb
Concentration per Run 3	110.031 %	104.532 %	0.480 ppb	28.909 ppb	84,969.739 ppb	3,421.251 ppb	1,221.847 ppb	2,230.242 ppb	23,206.821 ppb
Concentration RSD	2.9 %	3.2 %	3.3 %	1.6 %	5.6 %	8.4 %	3.2 %	10.4 %	6.3 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	117.604 %	106.754 %	0.300 ppb	2.215 ppb	85.161 ppb	6,507.703 ppb	8.652 ppb	45.783 ppb	5.819 ppb
Concentration per Run 1	116.882 %	98.780 %	0.300 ppb	2.305 ppb	91.563 ppb	6,790.231 ppb	9.332 ppb	46.241 ppb	6.452 ppb
Concentration per Run 2	115.397 %	110.172 %	0.282 ppb	2.172 ppb	81.722 ppb	6,310.605 ppb	8.422 ppb	45.592 ppb	5.499 ppb
Concentration per Run 3	120.533 %	111.309 %	0.317 ppb	2.168 ppb	82.198 ppb	6,422.272 ppb	8.202 ppb	45.515 ppb	5.506 ppb
Concentration RSD	2.2 %	6.5 %	5.9 %	3.5 %	6.5 %	3.9 %	6.9 %	0.9 %	9.4 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	372.305 ppb	118.956 %	103.688 %	0.448 ppb	1.482 ppb	108.493 ppb	2.161 ppb	109.276 %	95.179 %
Concentration per Run 1	399.424 ppb	125.145 %	96.660 %	0.581 ppb	1.457 ppb	117.180 ppb	2.045 ppb	115.242 %	87.642 %
Concentration per Run 2	358.139 ppb	114.687 %	106.406 %	0.426 ppb	1.822 ppb	104.726 ppb	2.036 ppb	107.082 %	98.666 %
Concentration per Run 3	359.351 ppb	117.035 %	107.997 %	0.337 ppb	1.167 ppb	103.572 ppb	2.402 ppb	105.505 %	99.229 %
Concentration RSD	6.3 %	4.6 %	5.9 %	27.5 %	22.2 %	7.0 %	9.7 %	4.8 %	6.9 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	-0.001 ppb	2.191 ppb	104.939 %	98.664 %	0.118 ppb	0.097 ppb	8.735 ppb	113.725 %	107.161 %
Concentration per Run 1	0.001 ppb	2.395 ppb	107.681 %	89.509 %	0.101 ppb	0.099 ppb	9.248 ppb	118.985 %	97.701 %
Concentration per Run 2	-0.001 ppb	2.061 ppb	105.767 %	104.264 %	0.110 ppb	0.083 ppb	8.197 ppb	112.339 %	110.688 %
Concentration per Run 3	-0.002 ppb	2.119 ppb	101.368 %	102.220 %	0.143 ppb	0.110 ppb	8.760 ppb	109.851 %	113.093 %
Concentration RSD	201.8 %	8.1 %	3.1 %	8.1 %	19.1 %	13.9 %	6.0 %	4.2 %	7.7 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	117.693 %	108.949 %	0.055 ppb	0.585 ppb	103.645 %	98.076 %
Concentration per Run 1	120.172 %	99.087 %	0.050 ppb	0.646 ppb	106.059 %	90.643 %
Concentration per Run 2	120.431 %	113.744 %	0.058 ppb	0.576 ppb	103.917 %	101.044 %
Concentration per Run 3	112.475 %	114.015 %	0.058 ppb	0.532 ppb	100.958 %	102.540 %
Concentration RSD	3.8 %	7.8 %	8.5 %	9.9 %	2.5 %	6.6 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	80	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	WG2146434-5d10 6020SL	Rack	1		
Analysis started at:	12/4/2025 10:07:06 PM	Vial	50		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	114.864 %	113.965 %	45.741 ppb	48.703 ppb	12,748.958 ppb	5,011.288 ppb	167.402 ppb	4,845.330 ppb	7,199.504 ppb
Concentration per Run 1	113.066 %	109.996 %	47.622 ppb	51.039 ppb	12,651.961 ppb	5,214.013 ppb	169.431 ppb	5,116.366 ppb	7,363.681 ppb
Concentration per Run 2	116.305 %	111.107 %	44.175 ppb	47.401 ppb	13,029.472 ppb	5,233.960 ppb	168.478 ppb	4,625.954 ppb	7,119.486 ppb
Concentration per Run 3	115.221 %	120.792 %	45.425 ppb	47.670 ppb	12,565.442 ppb	4,585.892 ppb	164.296 ppb	4,793.671 ppb	7,115.346 ppb
Concentration RSD	1.4 %	5.2 %	3.8 %	4.2 %	1.9 %	7.4 %	1.6 %	5.1 %	2.0 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	128.461 %	113.183 %	45.091 ppb	44.139 ppb	53.956 ppb	5,223.632 ppb	44.852 ppb	49.670 ppb	45.064 ppb
Concentration per Run 1	124.898 %	110.331 %	45.739 ppb	43.822 ppb	54.506 ppb	5,302.180 ppb	46.115 ppb	52.085 ppb	46.114 ppb
Concentration per Run 2	128.297 %	114.721 %	45.758 ppb	43.515 ppb	53.379 ppb	5,254.652 ppb	45.413 ppb	47.810 ppb	45.040 ppb
Concentration per Run 3	132.187 %	114.497 %	43.777 ppb	45.078 ppb	53.983 ppb	5,114.064 ppb	43.027 ppb	49.116 ppb	44.037 ppb
Concentration RSD	2.8 %	2.2 %	2.5 %	1.9 %	1.0 %	1.9 %	3.6 %	4.4 %	2.3 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	80.745 ppb	115.112 %	107.644 %	47.045 ppb	48.320 ppb	60.394 ppb	47.968 ppb	108.073 %	99.658 %
Concentration per Run 1	82.753 ppb	114.803 %	103.638 %	47.807 ppb	49.697 ppb	62.067 ppb	49.196 ppb	106.077 %	96.239 %
Concentration per Run 2	79.934 ppb	119.506 %	108.770 %	46.444 ppb	46.777 ppb	60.094 ppb	48.206 ppb	112.330 %	99.800 %
Concentration per Run 3	79.548 ppb	111.029 %	110.524 %	46.883 ppb	48.487 ppb	59.021 ppb	46.501 ppb	105.813 %	102.934 %
Concentration RSD	2.2 %	3.7 %	3.3 %	1.5 %	3.0 %	2.6 %	2.8 %	3.4 %	3.4 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	1.429 ppb	44.354 ppb	103.369 %	105.721 %	43.341 ppb	45.446 ppb	47.793 ppb	110.880 %	109.965 %
Concentration per Run 1	1.456 ppb	45.760 ppb	104.933 %	102.560 %	44.325 ppb	46.095 ppb	48.523 ppb	113.848 %	108.319 %
Concentration per Run 2	1.408 ppb	43.720 ppb	102.515 %	106.574 %	43.180 ppb	45.156 ppb	48.148 ppb	109.223 %	111.120 %
Concentration per Run 3	1.422 ppb	43.583 ppb	102.659 %	108.030 %	42.518 ppb	45.086 ppb	46.709 ppb	109.569 %	110.456 %
Concentration RSD	1.7 %	2.7 %	1.3 %	2.7 %	2.1 %	1.2 %	2.0 %	2.3 %	1.3 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	113.874 %	110.963 %	42.784 ppb	46.049 ppb	104.472 %	107.032 %
Concentration per Run 1	118.271 %	108.081 %	42.525 ppb	48.088 ppb	105.867 %	102.492 %
Concentration per Run 2	111.436 %	111.530 %	42.183 ppb	45.768 ppb	102.457 %	107.315 %
Concentration per Run 3	111.917 %	113.279 %	43.645 ppb	44.291 ppb	105.091 %	111.288 %
Concentration RSD	3.4 %	2.4 %	1.8 %	4.2 %	1.7 %	4.1 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	81	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	WG2146434-6d5 6020SL	Rack	1		
Analysis started at:	12/4/2025 10:11:36 PM	Vial	51		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	114.310 %	112.603 %	0.111 ppb	5.847 ppb	16,906.677 ppb	675.134 ppb	239.433 ppb	431.883 ppb	4,969.245 ppb
Concentration per Run 1	113.878 %	107.508 %	0.119 ppb	5.969 ppb	17,525.377 ppb	717.510 ppb	262.421 ppb	433.640 ppb	5,081.513 ppb
Concentration per Run 2	113.183 %	117.460 %	0.103 ppb	5.747 ppb	16,262.152 ppb	636.532 ppb	217.154 ppb	429.339 ppb	5,014.268 ppb
Concentration per Run 3	115.868 %	112.840 %	0.111 ppb	5.824 ppb	16,932.503 ppb	671.359 ppb	238.724 ppb	432.671 ppb	4,811.954 ppb
Concentration RSD	1.2 %	4.4 %	7.1 %	1.9 %	3.7 %	6.0 %	9.5 %	0.5 %	2.8 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	118.551 %	111.238 %	0.054 ppb	0.514 ppb	16.668 ppb	1,238.538 ppb	1.750 ppb	9.402 ppb	1.160 ppb
Concentration per Run 1	115.484 %	105.924 %	0.062 ppb	0.540 ppb	17.089 ppb	1,260.780 ppb	1.847 ppb	9.502 ppb	1.168 ppb
Concentration per Run 2	125.525 %	110.972 %	0.065 ppb	0.485 ppb	16.585 ppb	1,267.942 ppb	1.691 ppb	9.216 ppb	1.157 ppb
Concentration per Run 3	114.643 %	116.819 %	0.036 ppb	0.517 ppb	16.329 ppb	1,186.893 ppb	1.712 ppb	9.488 ppb	1.156 ppb
Concentration RSD	5.1 %	4.9 %	29.5 %	5.4 %	2.3 %	3.6 %	4.8 %	1.7 %	0.6 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	72.843 ppb	117.612 %	108.399 %	0.131 ppb	0.327 ppb	20.392 ppb	0.386 ppb	108.982 %	99.278 %
Concentration per Run 1	75.489 ppb	116.837 %	105.473 %	0.129 ppb	0.269 ppb	20.968 ppb	0.317 ppb	109.267 %	94.111 %
Concentration per Run 2	71.914 ppb	119.055 %	109.524 %	0.086 ppb	0.273 ppb	20.152 ppb	0.346 ppb	112.129 %	101.294 %
Concentration per Run 3	71.127 ppb	116.944 %	110.201 %	0.178 ppb	0.439 ppb	20.057 ppb	0.494 ppb	105.551 %	102.430 %
Concentration RSD	3.2 %	1.1 %	2.4 %	35.4 %	29.7 %	2.5 %	24.7 %	3.0 %	4.5 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.002 ppb	0.451 ppb	102.857 %	101.978 %	0.112 ppb	0.038 ppb	1.728 ppb	112.316 %	109.773 %
Concentration per Run 1	0.001 ppb	0.442 ppb	103.254 %	94.921 %	0.133 ppb	0.030 ppb	1.911 ppb	117.716 %	102.974 %
Concentration per Run 2	0.004 ppb	0.459 ppb	100.517 %	106.350 %	0.108 ppb	0.034 ppb	1.484 ppb	111.285 %	112.429 %
Concentration per Run 3	0.000 ppb	0.452 ppb	104.801 %	104.663 %	0.097 ppb	0.050 ppb	1.790 ppb	107.947 %	113.915 %
Concentration RSD	125.0 %	2.0 %	2.1 %	6.0 %	16.3 %	28.6 %	12.7 %	4.4 %	5.4 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	115.917 %	108.199 %	0.231 ppb	0.119 ppb	103.655 %	105.039 %
Concentration per Run 1	120.188 %	104.173 %	0.178 ppb	0.121 ppb	104.922 %	100.209 %
Concentration per Run 2	116.866 %	109.063 %	0.266 ppb	0.125 ppb	102.543 %	104.606 %
Concentration per Run 3	110.696 %	111.362 %	0.249 ppb	0.112 ppb	103.501 %	110.303 %
Concentration RSD	4.2 %	3.4 %	20.3 %	5.5 %	1.2 %	4.8 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	82	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	L2573405-02 6020SL	Rack	1		
Analysis started at:	12/4/2025 10:16:06 PM	Vial	52		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	114.759 %	105.894 %	0.557 ppb	28.860 ppb	89,470.311 ppb	3,699.970 ppb	1,959.439 ppb	2,326.690 ppb	25,653.031 ppb
Concentration per Run 1	116.256 %	96.313 %	0.570 ppb	28.045 ppb	100,981.599 ppb	3,937.533 ppb	2,142.369 ppb	2,532.295 ppb	29,214.748 ppb
Concentration per Run 2	114.756 %	107.286 %	0.545 ppb	29.131 ppb	84,421.516 ppb	3,893.493 ppb	1,935.294 ppb	2,186.558 ppb	24,379.313 ppb
Concentration per Run 3	113.264 %	114.084 %	0.556 ppb	29.403 ppb	83,007.818 ppb	3,268.884 ppb	1,800.654 ppb	2,261.216 ppb	23,365.032 ppb
Concentration RSD	1.3 %	8.5 %	2.3 %	2.5 %	11.2 %	10.1 %	8.8 %	7.8 %	12.2 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	122.401 %	106.645 %	-0.067 ppb	0.630 ppb	90.104 ppb	51.960 ppb	9.555 ppb	26.195 ppb	16.014 ppb
Concentration per Run 1	122.710 %	96.036 %	-0.063 ppb	0.735 ppb	100.246 ppb	56.463 ppb	10.763 ppb	26.042 ppb	18.318 ppb
Concentration per Run 2	124.494 %	109.465 %	-0.079 ppb	0.567 ppb	85.735 ppb	47.886 ppb	8.995 ppb	26.101 ppb	14.983 ppb
Concentration per Run 3	119.999 %	114.435 %	-0.060 ppb	0.588 ppb	84.330 ppb	51.531 ppb	8.906 ppb	26.442 ppb	14.742 ppb
Concentration RSD	1.8 %	8.9 %	15.1 %	14.5 %	9.8 %	8.3 %	11.0 %	0.8 %	12.5 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	424.380 ppb	118.874 %	104.863 %	0.152 ppb	1.199 ppb	110.675 ppb	0.051 ppb	110.017 %	95.086 %
Concentration per Run 1	476.763 ppb	121.021 %	92.763 %	0.125 ppb	1.457 ppb	122.558 ppb	0.035 ppb	104.917 %	85.630 %
Concentration per Run 2	401.086 ppb	119.114 %	109.479 %	0.185 ppb	1.134 ppb	104.907 ppb	0.039 ppb	112.138 %	99.698 %
Concentration per Run 3	395.290 ppb	116.486 %	112.346 %	0.147 ppb	1.007 ppb	104.559 ppb	0.078 ppb	112.996 %	99.929 %
Concentration RSD	10.7 %	1.9 %	10.1 %	19.9 %	19.3 %	9.3 %	46.8 %	4.0 %	8.6 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	-0.002 ppb	2.963 ppb	105.138 %	99.822 %	-0.025 ppb	0.029 ppb	9.357 ppb	115.949 %	107.911 %
Concentration per Run 1	-0.005 ppb	3.297 ppb	107.354 %	90.057 %	-0.052 ppb	0.028 ppb	10.122 ppb	117.413 %	97.242 %
Concentration per Run 2	0.001 ppb	2.692 ppb	101.409 %	103.515 %	-0.007 ppb	0.023 ppb	9.024 ppb	114.690 %	112.793 %
Concentration per Run 3	-0.003 ppb	2.900 ppb	106.652 %	105.894 %	-0.016 ppb	0.037 ppb	8.925 ppb	115.743 %	113.698 %
Concentration RSD	142.2 %	10.4 %	3.1 %	8.6 %	95.4 %	24.4 %	7.1 %	1.2 %	8.6 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	118.680 %	109.193 %	0.076 ppb	2.495 ppb	104.288 %	99.605 %
Concentration per Run 1	116.064 %	97.120 %	0.067 ppb	2.852 ppb	101.520 %	87.928 %
Concentration per Run 2	122.374 %	112.913 %	0.079 ppb	2.328 ppb	105.404 %	103.990 %
Concentration per Run 3	117.600 %	117.546 %	0.081 ppb	2.305 ppb	105.939 %	106.899 %
Concentration RSD	2.8 %	9.8 %	9.9 %	12.4 %	2.3 %	10.3 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	83	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	L2573405-03 6020SL	Rack	1		
Analysis started at:	12/4/2025 10:20:35 PM	Vial	53		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	114.600 %	104.843 %	0.570 ppb	29.241 ppb	91,272.363 ppb	3,793.227 ppb	2,083.352 ppb	2,329.340 ppb	27,052.900 ppb
Concentration per Run 1	112.200 %	98.978 %	0.596 ppb	30.161 ppb	99,839.420 ppb	4,023.859 ppb	2,262.067 ppb	2,645.426 ppb	29,780.243 ppb
Concentration per Run 2	113.562 %	107.819 %	0.557 ppb	29.248 ppb	87,852.514 ppb	3,555.876 ppb	2,114.383 ppb	2,156.016 ppb	26,106.352 ppb
Concentration per Run 3	118.038 %	107.730 %	0.558 ppb	28.315 ppb	86,125.156 ppb	3,799.945 ppb	1,873.607 ppb	2,186.578 ppb	25,272.106 ppb
Concentration RSD	2.7 %	4.8 %	3.9 %	3.2 %	8.2 %	6.2 %	9.4 %	11.8 %	8.9 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	123.204 %	103.933 %	-0.027 ppb	0.906 ppb	94.343 ppb	153.991 ppb	9.774 ppb	34.029 ppb	6.983 ppb
Concentration per Run 1	114.643 %	93.352 %	0.015 ppb	0.988 ppb	105.662 ppb	174.799 ppb	10.973 ppb	36.616 ppb	8.011 ppb
Concentration per Run 2	135.704 %	107.340 %	-0.060 ppb	0.876 ppb	88.295 ppb	143.106 ppb	9.112 ppb	32.951 ppb	6.355 ppb
Concentration per Run 3	119.263 %	111.108 %	-0.037 ppb	0.853 ppb	89.073 ppb	144.069 ppb	9.237 ppb	32.518 ppb	6.584 ppb
Concentration RSD	9.0 %	9.0 %	140.5 %	8.0 %	10.4 %	11.7 %	10.6 %	6.6 %	12.9 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	360.275 ppb	120.435 %	104.809 %	0.035 ppb	1.226 ppb	113.771 ppb	0.030 ppb	110.925 %	93.845 %
Concentration per Run 1	407.215 ppb	118.503 %	94.510 %	0.013 ppb	1.354 ppb	122.510 ppb	0.008 ppb	111.830 %	87.023 %
Concentration per Run 2	335.587 ppb	122.754 %	108.889 %	-0.030 ppb	1.000 ppb	110.151 ppb	0.019 ppb	110.969 %	96.651 %
Concentration per Run 3	338.025 ppb	120.048 %	111.030 %	0.122 ppb	1.323 ppb	108.652 ppb	0.062 ppb	109.976 %	97.862 %
Concentration RSD	11.3 %	1.8 %	8.6 %	224.3 %	16.0 %	6.7 %	95.3 %	0.8 %	6.3 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	-0.002 ppb	3.131 ppb	108.239 %	99.839 %	-0.015 ppb	0.049 ppb	9.744 ppb	117.406 %	107.106 %
Concentration per Run 1	-0.003 ppb	3.447 ppb	108.343 %	90.526 %	-0.006 ppb	0.054 ppb	10.920 ppb	114.809 %	96.196 %
Concentration per Run 2	0.000 ppb	2.983 ppb	110.394 %	104.971 %	-0.028 ppb	0.037 ppb	8.907 ppb	117.322 %	109.907 %
Concentration per Run 3	-0.001 ppb	2.964 ppb	105.979 %	104.019 %	-0.010 ppb	0.055 ppb	9.403 ppb	120.089 %	115.216 %
Concentration RSD	87.0 %	8.7 %	2.0 %	8.1 %	78.7 %	20.7 %	10.8 %	2.2 %	9.2 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	119.529 %	108.296 %	0.051 ppb	1.960 ppb	107.990 %	99.012 %
Concentration per Run 1	118.751 %	96.923 %	0.049 ppb	2.134 ppb	111.318 %	90.116 %
Concentration per Run 2	123.796 %	111.824 %	0.048 ppb	1.900 ppb	105.920 %	102.083 %
Concentration per Run 3	116.041 %	116.141 %	0.057 ppb	1.845 ppb	106.732 %	104.836 %
Concentration RSD	3.3 %	9.3 %	9.9 %	7.8 %	2.7 %	7.9 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 84
Analysis label: L2573436-02 6020SL
Analysis started at: 12/4/2025 10:25:04 PM
User name ALPHALAB\ICPMSRQ
Rack 1
Vial 54
Comment <Comment>

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	73.719 %	60.890 %	0.008 ppb	1,044.015 ppb	3,312,861.236 ppb	415,865.128 ppb	7.863 ppb	122,804.958 ppb	141,783.337 ppb
Concentration per Run 1	74.935 %	64.015 %	0.002 ppb	1,039.211 ppb	3,495,556.615 ppb	445,077.246 ppb	7.284 ppb	133,965.940 ppb	140,463.692 ppb
Concentration per Run 2	72.499 %	59.528 %	0.014 ppb	1,059.082 ppb	3,221,436.216 ppb	406,688.341 ppb	9.472 ppb	119,083.163 ppb	142,464.972 ppb
Concentration per Run 3	73.724 %	59.128 %	0.008 ppb	1,033.753 ppb	3,221,590.876 ppb	395,829.797 ppb	6.834 ppb	115,365.771 ppb	142,421.349 ppb
Concentration RSD	1.7 %	4.5 %	72.9 %	1.3 %	4.8 %	6.2 %	17.9 %	8.0 %	0.8 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	90.651 %	53.407 %	0.204 ppb	0.093 ppb	3,938.028 ppb	4,839.053 ppb	2.013 ppb	8.632 ppb	0.176 ppb
Concentration per Run 1	89.512 %	49.491 %	0.170 ppb	0.095 ppb	4,046.760 ppb	5,090.844 ppb	2.151 ppb	8.674 ppb	0.159 ppb
Concentration per Run 2	91.412 %	54.688 %	0.210 ppb	0.104 ppb	3,929.487 ppb	4,763.237 ppb	1.995 ppb	8.498 ppb	0.176 ppb
Concentration per Run 3	91.028 %	56.042 %	0.232 ppb	0.081 ppb	3,837.837 ppb	4,663.078 ppb	1.893 ppb	8.723 ppb	0.193 ppb
Concentration RSD	1.1 %	6.5 %	15.4 %	12.8 %	2.7 %	4.6 %	6.5 %	1.4 %	9.9 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	2.052 ppb	90.294 %	84.160 %	4.336 ppb	0.107 ppb	3,167.289 ppb	4.382 ppb	89.775 %	74.010 %
Concentration per Run 1	1.908 ppb	88.961 %	82.885 %	4.828 ppb	0.196 ppb	3,258.726 ppb	4.750 ppb	89.671 %	71.813 %
Concentration per Run 2	2.442 ppb	90.934 %	83.606 %	4.267 ppb	0.044 ppb	3,118.499 ppb	4.413 ppb	89.840 %	75.063 %
Concentration per Run 3	1.805 ppb	90.988 %	85.988 %	3.913 ppb	0.081 ppb	3,124.643 ppb	3.983 ppb	89.814 %	75.155 %
Concentration RSD	16.7 %	1.3 %	1.9 %	10.6 %	74.3 %	2.5 %	8.8 %	0.1 %	2.6 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.004 ppb	0.003 ppb	87.089 %	92.631 %	-0.022 ppb	0.021 ppb	66.257 ppb	99.798 %	97.577 %
Concentration per Run 1	0.006 ppb	0.002 ppb	87.121 %	88.573 %	-0.015 ppb	0.019 ppb	68.796 ppb	103.209 %	93.873 %
Concentration per Run 2	0.003 ppb	0.004 ppb	87.030 %	93.141 %	-0.031 ppb	0.018 ppb	65.400 ppb	98.751 %	100.024 %
Concentration per Run 3	0.004 ppb	0.002 ppb	87.116 %	96.178 %	-0.019 ppb	0.027 ppb	64.573 ppb	97.432 %	98.833 %
Concentration RSD	33.4 %	31.9 %	0.1 %	4.1 %	40.3 %	23.2 %	3.4 %	3.0 %	3.3 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	102.957 %	109.931 %	0.017 ppb	0.044 ppb	89.219 %	83.908 %
Concentration per Run 1	102.083 %	104.628 %	0.011 ppb	0.049 ppb	88.980 %	80.211 %
Concentration per Run 2	105.127 %	111.945 %	0.018 ppb	0.043 ppb	87.860 %	84.916 %
Concentration per Run 3	101.660 %	113.220 %	0.021 ppb	0.040 ppb	90.816 %	86.596 %
Concentration RSD	1.8 %	4.2 %	30.4 %	10.6 %	1.7 %	3.9 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 85
Analysis label: CCV
Analysis started at: 12/4/2025 10:29:33 PM
User name ALPHALAB\ICPMSRQ
Rack 0
Vial 9
Comment <Comment>

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	105.094 %	74.558 %	59.855 ppb	60.459 ppb	6,421.511 ppb	6,099.965 ppb	64.928 ppb	6,201.790 ppb	5,992.671 ppb
Concentration per Run 1	105.892 %	72.011 %	58.417 ppb	60.325 ppb	6,603.268 ppb	6,276.920 ppb	63.231 ppb	6,276.274 ppb	6,037.604 ppb
Concentration per Run 2	106.776 %	76.187 %	59.664 ppb	59.478 ppb	6,192.959 ppb	5,910.052 ppb	65.885 ppb	6,015.144 ppb	6,118.856 ppb
Concentration per Run 3	102.616 %	75.476 %	61.483 ppb	61.573 ppb	6,468.306 ppb	6,112.924 ppb	65.667 ppb	6,313.953 ppb	5,821.552 ppb
Recovery Percentage 1			99.758 %	100.764 %	107.025 %	101.666 %	108.213 %	103.363 %	99.878 %
Concentration RSD	2.1 %	3.0 %	2.6 %	1.7 %	3.3 %	3.0 %	2.3 %	2.6 %	2.6 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	117.327 %	101.637 %	55.798 ppb	54.840 ppb	60.858 ppb	5,586.462 ppb	53.230 ppb	64.409 ppb	54.069 ppb
Concentration per Run 1	121.832 %	98.655 %	58.025 ppb	56.983 ppb	62.251 ppb	5,758.567 ppb	51.204 ppb	63.492 ppb	54.820 ppb
Concentration per Run 2	113.173 %	101.978 %	56.604 ppb	54.433 ppb	60.026 ppb	5,641.755 ppb	53.184 ppb	68.435 ppb	53.073 ppb
Concentration per Run 3	116.975 %	104.277 %	52.766 ppb	53.104 ppb	60.297 ppb	5,359.063 ppb	55.303 ppb	61.300 ppb	54.315 ppb
Recovery Percentage 1			92.997 %	91.400 %	101.430 %	93.108 %	88.717 %	107.348 %	90.115 %
Concentration RSD	3.7 %	2.8 %	4.9 %	3.6 %	2.0 %	3.7 %	3.9 %	5.7 %	1.7 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	55.399 ppb	124.980 %	99.033 %	56.766 ppb	58.354 ppb	60.068 ppb	58.889 ppb	129.402 %	91.418 %
Concentration per Run 1	57.354 ppb	122.544 %	94.270 %	58.879 ppb	59.553 ppb	62.088 ppb	60.694 ppb	127.834 %	90.118 %
Concentration per Run 2	54.471 ppb	124.042 %	100.400 %	54.835 ppb	57.234 ppb	59.226 ppb	56.671 ppb	126.869 %	91.332 %
Concentration per Run 3	54.373 ppb	128.354 %	102.430 %	56.586 ppb	58.275 ppb	58.889 ppb	59.302 ppb	133.501 %	92.803 %
Recovery Percentage 1	92.332 %			94.611 %	97.257 %	100.113 %	98.148 %		
Concentration RSD	3.1 %	2.4 %	4.3 %	3.6 %	2.0 %	2.9 %	3.5 %	2.8 %	1.5 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	55.223 ppb	55.541 ppb	120.631 %	112.547 %	53.838 ppb	61.814 ppb	59.749 ppb	141.295 %	114.718 %
Concentration per Run 1	57.530 ppb	57.211 ppb	124.564 %	107.448 %	54.916 ppb	64.506 ppb	61.242 ppb	142.915 %	110.882 %
Concentration per Run 2	55.053 ppb	54.955 ppb	118.866 %	114.032 %	52.723 ppb	60.497 ppb	59.133 ppb	141.032 %	115.436 %
Concentration per Run 3	53.086 ppb	54.456 ppb	118.463 %	116.160 %	53.874 ppb	60.439 ppb	58.871 ppb	139.937 %	117.836 %
Recovery Percentage 1	92.038 %	92.568 %			89.730 %	103.023 %	99.581 %		
Concentration RSD	4.0 %	2.6 %	2.8 %	4.0 %	2.0 %	3.8 %	2.2 %	1.1 %	3.1 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	146.518 %	129.909 %	54.644 ppb	56.598 ppb	139.578 %	116.992 %
Concentration per Run 1	144.711 %	123.733 %	56.216 ppb	58.619 ppb	144.748 %	112.013 %
Concentration per Run 2	149.156 %	131.369 %	53.352 ppb	55.964 ppb	137.666 %	118.698 %
Concentration per Run 3	145.686 %	134.625 %	54.365 ppb	55.212 ppb	136.320 %	120.263 %
Recovery Percentage 1			91.074 %	94.330 %		
Concentration RSD	1.6 %	4.3 %	2.7 %	3.2 %	3.2 %	3.7 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 86
Analysis label: CCB
Analysis started at: 12/4/2025 10:34:09 PM
User name ALPHALAB\ICPMSRQ
Rack 0
Vial 10
Comment <Comment>

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	109.666 %	79.593 %	0.015 ppb	0.571 ppb	54.596 ppb	3.281 ppb	0.780 ppb	11.304 ppb	18.985 ppb
Concentration per Run 1	108.615 %	76.498 %	0.015 ppb	0.594 ppb	70.501 ppb	4.706 ppb	1.168 ppb	16.106 ppb	28.906 ppb
Concentration per Run 2	109.760 %	82.540 %	0.017 ppb	0.560 ppb	48.013 ppb	2.699 ppb	0.159 ppb	10.374 ppb	14.383 ppb
Concentration per Run 3	110.624 %	79.741 %	0.012 ppb	0.560 ppb	45.274 ppb	2.438 ppb	1.013 ppb	7.432 ppb	13.667 ppb
Recovery Percentage 1			2.940 %	5.715 %	10.919 %	4.687 %	7.801 %	11.304 %	18.985 %
Concentration RSD	0.9 %	3.8 %	17.1 %	3.5 %	25.4 %	37.8 %	69.7 %	39.0 %	45.3 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	119.143 %	102.925 %	0.131 ppb	-0.014 ppb	0.552 ppb	4.680 ppb	0.015 ppb	1.915 ppb	0.119 ppb
Concentration per Run 1	122.477 %	97.064 %	0.142 ppb	-0.012 ppb	0.593 ppb	6.821 ppb	0.011 ppb	1.929 ppb	0.124 ppb
Concentration per Run 2	115.048 %	103.972 %	0.151 ppb	-0.001 ppb	0.554 ppb	3.265 ppb	0.008 ppb	1.857 ppb	0.111 ppb
Concentration per Run 3	119.904 %	107.741 %	0.101 ppb	-0.031 ppb	0.511 ppb	3.954 ppb	0.025 ppb	1.957 ppb	0.122 ppb
Recovery Percentage 1			2.626 %	-1.431 %	55.240 %	9.360 %	2.914 %	95.733 %	11.909 %
Concentration RSD	3.2 %	5.3 %	20.4 %	105.4 %	7.4 %	40.3 %	62.7 %	2.7 %	6.0 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.772 ppb	125.977 %	100.985 %	0.072 ppb	0.117 ppb	0.033 ppb	0.084 ppb	130.375 %	96.667 %
Concentration per Run 1	0.657 ppb	129.945 %	95.661 %	0.005 ppb	0.137 ppb	0.035 ppb	0.051 ppb	133.405 %	93.898 %
Concentration per Run 2	0.799 ppb	122.030 %	102.318 %	0.055 ppb	0.128 ppb	0.035 ppb	0.094 ppb	129.778 %	97.457 %
Concentration per Run 3	0.862 ppb	125.955 %	104.977 %	0.158 ppb	0.085 ppb	0.031 ppb	0.108 ppb	127.942 %	98.646 %
Recovery Percentage 1	15.447 %			14.496 %	2.336 %	6.695 %	4.219 %		
Concentration RSD	13.6 %	3.1 %	4.8 %	107.8 %	23.9 %	6.4 %	34.9 %	2.1 %	2.6 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.005 ppb	0.006 ppb	122.859 %	112.263 %	0.186 ppb	0.072 ppb	0.055 ppb	132.762 %	116.432 %
Concentration per Run 1	0.008 ppb	0.006 ppb	123.607 %	109.776 %	0.180 ppb	0.060 ppb	0.074 ppb	134.124 %	113.628 %
Concentration per Run 2	0.002 ppb	0.004 ppb	126.023 %	113.893 %	0.174 ppb	0.062 ppb	0.043 ppb	126.620 %	116.289 %
Concentration per Run 3	0.005 ppb	0.008 ppb	118.946 %	113.119 %	0.204 ppb	0.093 ppb	0.048 ppb	137.542 %	119.380 %
Recovery Percentage 1	1.262 %	2.949 %			6.197 %	1.792 %	10.977 %		
Concentration RSD	53.0 %	32.3 %	2.9 %	1.9 %	8.6 %	25.5 %	29.9 %	4.2 %	2.5 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	133.109 %	124.158 %	0.188 ppb	0.013 ppb	138.223 %	118.825 %
Concentration per Run 1	136.209 %	119.326 %	0.158 ppb	0.014 ppb	140.054 %	112.778 %
Concentration per Run 2	127.532 %	126.837 %	0.209 ppb	0.015 ppb	140.294 %	120.057 %
Concentration per Run 3	135.586 %	126.310 %	0.197 ppb	0.011 ppb	134.320 %	123.641 %
Recovery Percentage 1			18.797 %	1.339 %		
Concentration RSD	3.6 %	3.4 %	14.1 %	14.3 %	2.4 %	4.7 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 87
Analysis label: L2573548-06 6020SL
Analysis started at: 12/4/2025 10:38:44 PM
User name ALPHALAB\ICPMSRQ
Rack 1
Vial 60
Comment fb

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	111.913 %	84.924 %	0.010 ppb	0.438 ppb	23.732 ppb	4.433 ppb	1.016 ppb	1.570 ppb	7.536 ppb
Concentration per Run 1	113.191 %	84.717 %	0.011 ppb	0.430 ppb	52.149 ppb	7.792 ppb	1.093 ppb	5.543 ppb	6.679 ppb
Concentration per Run 2	110.939 %	85.028 %	0.014 ppb	0.450 ppb	12.497 ppb	2.192 ppb	0.841 ppb	-0.755 ppb	13.834 ppb
Concentration per Run 3	111.609 %	85.028 %	0.004 ppb	0.435 ppb	6.549 ppb	3.316 ppb	1.113 ppb	-0.078 ppb	2.094 ppb
Concentration RSD	1.0 %	0.2 %	55.7 %	2.4 %	104.5 %	66.8 %	14.9 %	220.2 %	78.5 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	121.269 %	103.199 %	0.080 ppb	0.011 ppb	0.099 ppb	1.028 ppb	0.004 ppb	1.282 ppb	0.091 ppb
Concentration per Run 1	125.908 %	96.284 %	0.057 ppb	0.010 ppb	0.145 ppb	2.395 ppb	0.005 ppb	1.359 ppb	0.093 ppb
Concentration per Run 2	123.079 %	106.193 %	0.089 ppb	0.000 ppb	0.071 ppb	0.403 ppb	0.001 ppb	1.238 ppb	0.074 ppb
Concentration per Run 3	114.820 %	107.120 %	0.095 ppb	0.022 ppb	0.081 ppb	0.285 ppb	0.006 ppb	1.248 ppb	0.105 ppb
Concentration RSD	4.8 %	5.8 %	25.5 %	101.7 %	41.0 %	115.4 %	69.9 %	5.3 %	17.4 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	1.003 ppb	127.389 %	101.576 %	0.020 ppb	0.059 ppb	0.040 ppb	0.011 ppb	131.515 %	97.603 %
Concentration per Run 1	1.030 ppb	129.449 %	95.704 %	-0.043 ppb	0.068 ppb	0.052 ppb	0.049 ppb	135.272 %	92.258 %
Concentration per Run 2	0.970 ppb	126.081 %	104.720 %	0.079 ppb	0.103 ppb	0.044 ppb	-0.004 ppb	130.454 %	100.246 %
Concentration per Run 3	1.010 ppb	126.636 %	104.303 %	0.023 ppb	0.006 ppb	0.025 ppb	-0.011 ppb	128.819 %	100.306 %
Concentration RSD	3.1 %	1.4 %	5.0 %	309.2 %	82.6 %	35.3 %	289.4 %	2.6 %	4.7 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.000 ppb	0.002 ppb	123.299 %	111.513 %	-0.043 ppb	0.017 ppb	0.044 ppb	132.139 %	114.431 %
Concentration per Run 1	0.003 ppb	0.003 ppb	122.202 %	105.772 %	-0.034 ppb	0.016 ppb	0.053 ppb	135.460 %	108.615 %
Concentration per Run 2	0.000 ppb	0.000 ppb	126.045 %	113.438 %	-0.059 ppb	0.012 ppb	0.030 ppb	129.414 %	115.895 %
Concentration per Run 3	-0.003 ppb	0.002 ppb	121.650 %	115.329 %	-0.036 ppb	0.022 ppb	0.048 ppb	131.542 %	118.782 %
Concentration RSD	2,487.4 %	82.7 %	1.9 %	4.5 %	31.2 %	29.0 %	27.6 %	2.3 %	4.6 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	133.799 %	124.236 %	0.052 ppb	0.018 ppb	135.311 %	115.947 %
Concentration per Run 1	137.020 %	117.235 %	0.043 ppb	0.023 ppb	135.841 %	107.258 %
Concentration per Run 2	132.487 %	125.784 %	0.056 ppb	0.017 ppb	136.249 %	118.678 %
Concentration per Run 3	131.890 %	129.691 %	0.057 ppb	0.015 ppb	133.843 %	121.906 %
Concentration RSD	2.1 %	5.1 %	14.6 %	24.7 %	1.0 %	6.6 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	88	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	L2573548-01 6020SL	Rack	1		
Analysis started at:	12/4/2025 10:43:15 PM	Vial	55		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	115.083 %	87.131 %	0.008 ppb	196.767 ppb	22,625.839 ppb	12,915.849 ppb	1.664 ppb	4,279.814 ppb	37,538.196 ppb
Concentration per Run 1	116.325 %	86.183 %	0.004 ppb	190.711 ppb	22,329.484 ppb	12,126.650 ppb	2.261 ppb	4,130.372 ppb	35,747.103 ppb
Concentration per Run 2	115.353 %	88.360 %	0.012 ppb	196.008 ppb	21,840.427 ppb	13,518.001 ppb	1.342 ppb	4,429.380 ppb	36,042.559 ppb
Concentration per Run 3	113.572 %	86.850 %	0.007 ppb	203.581 ppb	23,707.605 ppb	13,102.897 ppb	1.390 ppb	4,279.689 ppb	40,824.926 ppb
Concentration RSD	1.2 %	1.3 %	49.6 %	3.3 %	4.3 %	5.5 %	31.1 %	3.5 %	7.6 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	127.047 %	106.445 %	0.058 ppb	0.457 ppb	662.772 ppb	27,428.542 ppb	1.095 ppb	3.453 ppb	0.190 ppb
Concentration per Run 1	122.471 %	104.806 %	0.105 ppb	0.475 ppb	661.929 ppb	27,376.300 ppb	1.142 ppb	3.345 ppb	0.181 ppb
Concentration per Run 2	137.563 %	108.555 %	0.013 ppb	0.441 ppb	646.701 ppb	25,812.431 ppb	1.045 ppb	3.416 ppb	0.182 ppb
Concentration per Run 3	121.107 %	105.976 %	0.055 ppb	0.456 ppb	679.686 ppb	29,096.895 ppb	1.099 ppb	3.598 ppb	0.207 ppb
Concentration RSD	7.2 %	1.8 %	79.1 %	3.7 %	2.5 %	6.0 %	4.5 %	3.8 %	7.7 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	2.221 ppb	132.631 %	103.710 %	2.765 ppb	0.091 ppb	535.998 ppb	1.243 ppb	127.555 %	94.584 %
Concentration per Run 1	2.207 ppb	140.689 %	99.595 %	2.924 ppb	0.048 ppb	543.566 ppb	1.251 ppb	130.778 %	91.231 %
Concentration per Run 2	2.013 ppb	127.269 %	108.398 %	2.501 ppb	0.149 ppb	513.580 ppb	1.166 ppb	127.201 %	98.470 %
Concentration per Run 3	2.442 ppb	129.935 %	103.136 %	2.870 ppb	0.076 ppb	550.847 ppb	1.312 ppb	124.685 %	94.051 %
Concentration RSD	9.7 %	5.4 %	4.3 %	8.3 %	57.3 %	3.7 %	5.9 %	2.4 %	3.9 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	-0.002 ppb	0.005 ppb	121.800 %	110.851 %	0.176 ppb	0.110 ppb	686.769 ppb	137.353 %	113.848 %
Concentration per Run 1	-0.002 ppb	0.004 ppb	128.452 %	107.819 %	0.171 ppb	0.112 ppb	710.961 ppb	146.051 %	110.832 %
Concentration per Run 2	-0.002 ppb	0.004 ppb	118.749 %	114.158 %	0.148 ppb	0.093 ppb	648.109 ppb	134.692 %	119.003 %
Concentration per Run 3	-0.002 ppb	0.006 ppb	118.199 %	110.577 %	0.210 ppb	0.123 ppb	701.238 ppb	131.317 %	111.707 %
Concentration RSD	13.6 %	16.5 %	4.7 %	2.9 %	17.8 %	13.9 %	4.9 %	5.6 %	3.9 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	137.294 %	124.626 %	0.026 ppb	0.014 ppb	127.188 %	110.871 %
Concentration per Run 1	143.996 %	121.038 %	0.018 ppb	0.015 ppb	131.425 %	106.791 %
Concentration per Run 2	133.301 %	130.019 %	0.030 ppb	0.014 ppb	123.737 %	114.078 %
Concentration per Run 3	134.586 %	122.823 %	0.031 ppb	0.014 ppb	126.402 %	111.744 %
Concentration RSD	4.3 %	3.8 %	27.9 %	6.2 %	3.1 %	3.4 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 89
Analysis label: L2573548-02 6020SL
Analysis started at: 12/4/2025 10:47:45 PM
User name ALPHALAB\ICPMSRQ
Rack 1
Vial 56
Comment <Comment>

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	117.205 %	94.121 %	0.050 ppb	225.120 ppb	7,959.210 ppb	11,884.813 ppb	4.905 ppb	8,157.076 ppb	35,866.995 ppb
Concentration per Run 1	117.535 %	86.850 %	0.049 ppb	227.381 ppb	8,583.712 ppb	13,030.789 ppb	4.792 ppb	8,582.928 ppb	38,620.790 ppb
Concentration per Run 2	115.172 %	94.091 %	0.051 ppb	227.435 ppb	7,818.743 ppb	11,965.099 ppb	5.580 ppb	8,208.171 ppb	35,158.633 ppb
Concentration per Run 3	118.908 %	101.422 %	0.050 ppb	220.542 ppb	7,475.174 ppb	10,658.551 ppb	4.345 ppb	7,680.130 ppb	33,821.561 ppb
Concentration RSD	1.6 %	7.7 %	2.6 %	1.8 %	7.1 %	10.0 %	12.7 %	5.6 %	6.9 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	123.903 %	107.061 %	0.353 ppb	0.448 ppb	658.428 ppb	60,730.904 ppb	0.719 ppb	1.821 ppb	0.264 ppb
Concentration per Run 1	112.082 %	100.377 %	0.372 ppb	0.449 ppb	707.162 ppb	64,844.999 ppb	0.791 ppb	1.973 ppb	0.276 ppb
Concentration per Run 2	133.207 %	108.159 %	0.440 ppb	0.458 ppb	651.135 ppb	59,495.188 ppb	0.706 ppb	1.791 ppb	0.255 ppb
Concentration per Run 3	126.419 %	112.647 %	0.247 ppb	0.436 ppb	616.987 ppb	57,852.524 ppb	0.659 ppb	1.700 ppb	0.261 ppb
Concentration RSD	8.7 %	5.8 %	27.7 %	2.4 %	6.9 %	6.0 %	9.3 %	7.6 %	4.1 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	1.215 ppb	130.912 %	108.184 %	1.155 ppb	0.492 ppb	436.833 ppb	0.060 ppb	127.713 %	97.694 %
Concentration per Run 1	1.253 ppb	131.946 %	99.534 %	1.163 ppb	0.386 ppb	469.516 ppb	0.072 ppb	130.500 %	88.563 %
Concentration per Run 2	1.285 ppb	129.251 %	109.967 %	1.180 ppb	0.487 ppb	422.171 ppb	0.042 ppb	124.856 %	102.762 %
Concentration per Run 3	1.107 ppb	131.540 %	115.050 %	1.123 ppb	0.604 ppb	418.810 ppb	0.066 ppb	127.782 %	101.757 %
Concentration RSD	7.8 %	1.1 %	7.3 %	2.5 %	22.1 %	6.5 %	26.3 %	2.2 %	8.1 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	-0.002 ppb	0.000 ppb	121.319 %	110.639 %	0.684 ppb	0.099 ppb	1,050.835 ppb	131.109 %	117.741 %
Concentration per Run 1	-0.003 ppb	0.001 ppb	120.141 %	102.163 %	0.758 ppb	0.109 ppb	1,124.775 ppb	132.039 %	109.341 %
Concentration per Run 2	-0.001 ppb	-0.001 ppb	122.618 %	111.464 %	0.676 ppb	0.097 ppb	1,033.360 ppb	130.310 %	118.472 %
Concentration per Run 3	-0.002 ppb	0.002 ppb	121.199 %	118.289 %	0.617 ppb	0.091 ppb	994.371 ppb	130.977 %	125.409 %
Concentration RSD	40.2 %	323.9 %	1.0 %	7.3 %	10.4 %	8.9 %	6.4 %	0.7 %	6.8 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	133.773 %	123.420 %	0.019 ppb	0.019 ppb	123.474 %	111.917 %
Concentration per Run 1	134.641 %	114.829 %	0.014 ppb	0.022 ppb	124.870 %	101.035 %
Concentration per Run 2	132.827 %	124.387 %	0.021 ppb	0.020 ppb	123.761 %	114.272 %
Concentration per Run 3	133.850 %	131.044 %	0.022 ppb	0.014 ppb	121.790 %	120.445 %
Concentration RSD	0.7 %	6.6 %	22.4 %	22.9 %	1.3 %	8.9 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	90	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	L2573548-03 6020SL	Rack	1		
Analysis started at:	12/4/2025 10:52:15 PM	Vial	57		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	116.329 %	101.747 %	0.021 ppb	183.880 ppb	8,118.323 ppb	12,164.358 ppb	3.467 ppb	7,808.336 ppb	52,842.310 ppb
Concentration per Run 1	115.607 %	95.468 %	0.020 ppb	182.705 ppb	8,520.410 ppb	13,079.931 ppb	3.948 ppb	8,413.455 ppb	50,579.824 ppb
Concentration per Run 2	115.609 %	100.267 %	0.021 ppb	184.109 ppb	7,909.514 ppb	11,817.376 ppb	2.904 ppb	7,379.310 ppb	54,493.852 ppb
Concentration per Run 3	117.770 %	109.507 %	0.021 ppb	184.825 ppb	7,925.046 ppb	11,595.766 ppb	3.548 ppb	7,632.243 ppb	53,453.254 ppb
Concentration RSD	1.1 %	7.0 %	2.4 %	0.6 %	4.3 %	6.6 %	15.2 %	6.9 %	3.8 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	122.397 %	114.261 %	0.833 ppb	0.497 ppb	437.805 ppb	56,951.172 ppb	5.009 ppb	2.966 ppb	0.387 ppb
Concentration per Run 1	128.156 %	107.891 %	0.896 ppb	0.521 ppb	460.776 ppb	59,326.466 ppb	5.187 ppb	3.117 ppb	0.422 ppb
Concentration per Run 2	121.576 %	116.069 %	0.787 ppb	0.502 ppb	423.642 ppb	54,678.193 ppb	4.946 ppb	2.913 ppb	0.339 ppb
Concentration per Run 3	117.458 %	118.822 %	0.815 ppb	0.467 ppb	428.997 ppb	56,848.857 ppb	4.892 ppb	2.869 ppb	0.400 ppb
Concentration RSD	4.4 %	5.0 %	6.8 %	5.5 %	4.6 %	4.1 %	3.1 %	4.5 %	11.2 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	9.412 ppb	130.367 %	111.902 %	25.091 ppb	0.096 ppb	447.115 ppb	0.216 ppb	123.765 %	100.638 %
Concentration per Run 1	9.887 ppb	128.127 %	105.257 %	26.475 ppb	0.075 ppb	461.720 ppb	0.207 ppb	120.446 %	96.474 %
Concentration per Run 2	9.201 ppb	132.103 %	114.494 %	24.205 ppb	0.117 ppb	434.020 ppb	0.212 ppb	122.846 %	103.082 %
Concentration per Run 3	9.148 ppb	130.871 %	115.955 %	24.591 ppb	0.095 ppb	445.606 ppb	0.230 ppb	128.005 %	102.359 %
Concentration RSD	4.4 %	1.6 %	5.2 %	4.8 %	22.4 %	3.1 %	5.7 %	3.1 %	3.6 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	-0.001 ppb	0.006 ppb	114.495 %	112.627 %	0.140 ppb	0.083 ppb	505.139 ppb	124.738 %	119.406 %
Concentration per Run 1	-0.001 ppb	0.010 ppb	110.126 %	105.334 %	0.123 ppb	0.084 ppb	530.822 ppb	124.920 %	115.697 %
Concentration per Run 2	0.001 ppb	0.004 ppb	115.441 %	115.873 %	0.139 ppb	0.086 ppb	489.944 ppb	118.786 %	119.636 %
Concentration per Run 3	-0.004 ppb	0.004 ppb	117.916 %	116.673 %	0.159 ppb	0.078 ppb	494.651 ppb	130.507 %	122.884 %
Concentration RSD	176.1 %	56.4 %	3.5 %	5.6 %	13.1 %	4.8 %	4.4 %	4.7 %	3.0 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	126.084 %	125.585 %	0.015 ppb	0.034 ppb	118.642 %	112.315 %
Concentration per Run 1	125.361 %	122.260 %	0.010 ppb	0.039 ppb	120.785 %	105.933 %
Concentration per Run 2	124.727 %	125.065 %	0.017 ppb	0.031 ppb	115.652 %	114.795 %
Concentration per Run 3	128.163 %	129.431 %	0.019 ppb	0.031 ppb	119.488 %	116.217 %
Concentration RSD	1.5 %	2.9 %	31.0 %	14.6 %	2.2 %	5.0 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 91
Analysis label: L2573548-04 6020SL
Analysis started at: 12/4/2025 10:56:45 PM
User name ALPHALAB\ICPMSRQ
Rack 1
Vial 58
Comment <Comment>

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	114.291 %	97.275 %	0.017 ppb	300.693 ppb	63,852.389 ppb	37,850.059 ppb	10.943 ppb	21,121.853 ppb	197,610.749 ppb
Concentration per Run 1	115.782 %	95.602 %	0.016 ppb	293.753 ppb	65,632.239 ppb	37,461.809 ppb	10.906 ppb	21,212.303 ppb	195,290.666 ppb
Concentration per Run 2	114.586 %	94.802 %	0.019 ppb	296.326 ppb	64,733.522 ppb	37,846.847 ppb	11.416 ppb	20,775.826 ppb	200,662.142 ppb
Concentration per Run 3	112.504 %	101.422 %	0.018 ppb	311.999 ppb	61,191.405 ppb	38,241.521 ppb	10.508 ppb	21,377.428 ppb	196,879.438 ppb
Concentration RSD	1.5 %	3.7 %	10.1 %	3.3 %	3.7 %	1.0 %	4.2 %	1.5 %	1.4 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	124.335 %	108.411 %	2.048 ppb	1.702 ppb	1,244.879 ppb	3,970.063 ppb	0.530 ppb	3.622 ppb	0.414 ppb
Concentration per Run 1	123.116 %	103.148 %	2.158 ppb	1.798 ppb	1,288.633 ppb	4,408.619 ppb	0.553 ppb	3.908 ppb	0.461 ppb
Concentration per Run 2	132.924 %	108.523 %	2.064 ppb	1.686 ppb	1,237.329 ppb	3,683.480 ppb	0.512 ppb	3.346 ppb	0.406 ppb
Concentration per Run 3	116.965 %	113.562 %	1.922 ppb	1.622 ppb	1,208.675 ppb	3,818.089 ppb	0.525 ppb	3.611 ppb	0.374 ppb
Concentration RSD	6.5 %	4.8 %	5.8 %	5.2 %	3.3 %	9.7 %	4.0 %	7.8 %	10.6 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	1.040 ppb	123.153 %	109.813 %	1.673 ppb	0.270 ppb	1,140.080 ppb	1.155 ppb	117.343 %	97.104 %
Concentration per Run 1	1.114 ppb	124.546 %	103.795 %	1.604 ppb	0.274 ppb	1,164.258 ppb	1.249 ppb	118.608 %	92.779 %
Concentration per Run 2	1.017 ppb	123.845 %	111.791 %	1.629 ppb	0.164 ppb	1,113.192 ppb	1.068 ppb	116.737 %	99.595 %
Concentration per Run 3	0.987 ppb	121.066 %	113.852 %	1.787 ppb	0.372 ppb	1,142.791 ppb	1.147 ppb	116.685 %	98.937 %
Concentration RSD	6.4 %	1.5 %	4.8 %	5.9 %	38.6 %	2.2 %	7.9 %	0.9 %	3.9 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.001 ppb	0.000 ppb	112.590 %	110.187 %	0.036 ppb	0.427 ppb	239.558 ppb	124.061 %	117.916 %
Concentration per Run 1	0.002 ppb	-0.001 ppb	112.560 %	105.237 %	0.047 ppb	0.424 ppb	246.365 ppb	122.348 %	113.497 %
Concentration per Run 2	-0.002 ppb	0.000 ppb	114.577 %	111.229 %	0.010 ppb	0.410 ppb	232.712 ppb	125.090 %	120.587 %
Concentration per Run 3	0.003 ppb	0.002 ppb	110.635 %	114.094 %	0.051 ppb	0.446 ppb	239.596 ppb	124.745 %	119.663 %
Concentration RSD	338.7 %	347.1 %	1.8 %	4.1 %	62.8 %	4.3 %	2.8 %	1.2 %	3.3 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	123.401 %	122.402 %	0.011 ppb	0.089 ppb	110.064 %	105.347 %
Concentration per Run 1	120.010 %	117.857 %	0.008 ppb	0.093 ppb	110.229 %	100.237 %
Concentration per Run 2	125.198 %	123.318 %	0.015 ppb	0.090 ppb	110.774 %	107.046 %
Concentration per Run 3	124.996 %	126.032 %	0.011 ppb	0.083 ppb	109.190 %	108.759 %
Concentration RSD	2.4 %	3.4 %	28.6 %	5.6 %	0.7 %	4.3 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	92	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	L2573548-05 6020SL	Rack	1		
Analysis started at:	12/4/2025 11:01:15 PM	Vial	59		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	123.351 %	106.516 %	0.007 ppb	196.452 ppb	22,252.221 ppb	12,600.879 ppb	2.104 ppb	4,361.287 ppb	36,559.617 ppb
Concentration per Run 1	120.918 %	100.711 %	0.006 ppb	202.404 ppb	23,572.699 ppb	13,362.837 ppb	1.191 ppb	4,560.903 ppb	38,110.921 ppb
Concentration per Run 2	126.273 %	106.042 %	0.008 ppb	191.093 ppb	22,517.695 ppb	12,383.244 ppb	1.818 ppb	4,577.165 ppb	36,672.562 ppb
Concentration per Run 3	122.860 %	112.795 %	0.006 ppb	195.860 ppb	20,666.269 ppb	12,056.555 ppb	3.302 ppb	3,945.792 ppb	34,895.369 ppb
Concentration RSD	2.2 %	5.7 %	15.7 %	2.9 %	6.6 %	5.4 %	51.5 %	8.3 %	4.4 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	135.446 %	117.162 %	-0.029 ppb	0.431 ppb	610.869 ppb	26,055.508 ppb	1.103 ppb	2.751 ppb	0.589 ppb
Concentration per Run 1	134.431 %	111.560 %	-0.015 ppb	0.450 ppb	628.501 ppb	26,425.946 ppb	1.171 ppb	2.796 ppb	0.590 ppb
Concentration per Run 2	141.097 %	117.427 %	-0.052 ppb	0.430 ppb	607.596 ppb	26,189.200 ppb	1.160 ppb	2.625 ppb	0.562 ppb
Concentration per Run 3	130.810 %	122.500 %	-0.021 ppb	0.413 ppb	596.509 ppb	25,551.377 ppb	0.977 ppb	2.833 ppb	0.614 ppb
Concentration RSD	3.9 %	4.7 %	66.3 %	4.3 %	2.7 %	1.7 %	9.9 %	4.0 %	4.4 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	1.988 ppb	134.035 %	113.146 %	2.938 ppb	0.048 ppb	505.390 ppb	1.228 ppb	126.773 %	103.116 %
Concentration per Run 1	2.058 ppb	139.698 %	109.461 %	3.046 ppb	0.050 ppb	520.949 ppb	1.300 ppb	128.156 %	98.604 %
Concentration per Run 2	1.976 ppb	137.075 %	114.428 %	2.878 ppb	0.123 ppb	498.147 ppb	1.162 ppb	129.673 %	104.537 %
Concentration per Run 3	1.931 ppb	125.333 %	115.549 %	2.891 ppb	-0.030 ppb	497.076 ppb	1.221 ppb	122.488 %	106.208 %
Concentration RSD	3.2 %	5.7 %	2.9 %	3.2 %	160.8 %	2.7 %	5.6 %	3.0 %	3.9 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	-0.003 ppb	0.004 ppb	117.833 %	114.190 %	0.176 ppb	0.092 ppb	684.576 ppb	126.890 %	121.034 %
Concentration per Run 1	-0.002 ppb	0.000 ppb	119.733 %	108.423 %	0.219 ppb	0.093 ppb	707.928 ppb	132.134 %	115.529 %
Concentration per Run 2	-0.003 ppb	0.004 ppb	118.156 %	114.290 %	0.161 ppb	0.086 ppb	675.309 ppb	126.978 %	124.316 %
Concentration per Run 3	-0.003 ppb	0.006 ppb	115.608 %	119.857 %	0.148 ppb	0.095 ppb	670.490 ppb	121.559 %	123.256 %
Concentration RSD	37.4 %	82.8 %	1.8 %	5.0 %	21.4 %	5.2 %	3.0 %	4.2 %	4.0 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	133.677 %	127.992 %	0.009 ppb	0.015 ppb	120.304 %	115.908 %
Concentration per Run 1	140.108 %	120.563 %	0.005 ppb	0.018 ppb	122.891 %	109.300 %
Concentration per Run 2	131.424 %	130.668 %	0.010 ppb	0.012 ppb	120.560 %	116.776 %
Concentration per Run 3	129.499 %	132.744 %	0.012 ppb	0.016 ppb	117.462 %	121.648 %
Concentration RSD	4.2 %	5.1 %	38.8 %	19.9 %	2.3 %	5.4 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 93
Analysis label: L2573548-07 6020SL
Analysis started at: 12/4/2025 11:05:46 PM
User name ALPHALAB\ICPMSRQ
Rack 2
Vial 1
Comment <Comment>

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	123.694 %	107.286 %	0.028 ppb	103.759 ppb	6,302.743 ppb	7,496.106 ppb	12.916 ppb	3,114.246 ppb	22,258.432 ppb
Concentration per Run 1	124.020 %	99.467 %	0.029 ppb	104.378 ppb	6,905.138 ppb	8,283.275 ppb	15.181 ppb	3,376.417 ppb	24,427.230 ppb
Concentration per Run 2	121.095 %	109.241 %	0.021 ppb	106.097 ppb	6,115.033 ppb	7,430.566 ppb	12.873 ppb	3,059.192 ppb	21,835.994 ppb
Concentration per Run 3	125.966 %	113.151 %	0.033 ppb	100.800 ppb	5,888.056 ppb	6,774.479 ppb	10.694 ppb	2,907.130 ppb	20,512.073 ppb
Concentration RSD	2.0 %	6.6 %	21.3 %	2.6 %	8.5 %	10.1 %	17.4 %	7.7 %	8.9 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	132.267 %	113.571 %	0.798 ppb	0.739 ppb	1,084.435 ppb	34,291.914 ppb	5.880 ppb	2.307 ppb	0.318 ppb
Concentration per Run 1	125.323 %	104.162 %	0.882 ppb	0.823 ppb	1,186.615 ppb	37,259.382 ppb	6.435 ppb	2.406 ppb	0.335 ppb
Concentration per Run 2	131.685 %	116.561 %	0.842 ppb	0.714 ppb	1,033.098 ppb	33,292.982 ppb	5.679 ppb	2.238 ppb	0.307 ppb
Concentration per Run 3	139.793 %	119.990 %	0.670 ppb	0.680 ppb	1,033.592 ppb	32,323.377 ppb	5.527 ppb	2.276 ppb	0.313 ppb
Concentration RSD	5.5 %	7.3 %	14.1 %	10.1 %	8.2 %	7.6 %	8.3 %	3.8 %	4.6 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	15.607 ppb	137.359 %	114.644 %	2.698 ppb	0.547 ppb	192.638 ppb	0.043 ppb	126.235 %	103.363 %
Concentration per Run 1	16.656 ppb	137.726 %	105.770 %	3.005 ppb	0.610 ppb	205.596 ppb	0.020 ppb	126.532 %	96.647 %
Concentration per Run 2	15.150 ppb	135.842 %	117.073 %	2.530 ppb	0.600 ppb	186.535 ppb	0.072 ppb	124.888 %	107.286 %
Concentration per Run 3	15.016 ppb	138.508 %	121.088 %	2.559 ppb	0.431 ppb	185.783 ppb	0.037 ppb	127.285 %	106.156 %
Concentration RSD	5.8 %	1.0 %	6.9 %	9.9 %	18.4 %	5.8 %	62.3 %	1.0 %	5.7 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	-0.003 ppb	0.003 ppb	120.090 %	112.722 %	-0.037 ppb	0.145 ppb	173.058 ppb	132.041 %	119.408 %
Concentration per Run 1	-0.002 ppb	0.004 ppb	120.187 %	104.242 %	-0.017 ppb	0.148 ppb	190.876 ppb	135.192 %	108.692 %
Concentration per Run 2	-0.003 ppb	0.003 ppb	116.140 %	115.098 %	-0.046 ppb	0.140 ppb	164.484 ppb	131.586 %	124.231 %
Concentration per Run 3	-0.004 ppb	0.000 ppb	123.943 %	118.825 %	-0.048 ppb	0.148 ppb	163.814 ppb	129.344 %	125.301 %
Concentration RSD	25.5 %	83.9 %	3.2 %	6.7 %	47.1 %	3.0 %	8.9 %	2.2 %	7.8 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	129.949 %	123.541 %	0.011 ppb	0.022 ppb	120.884 %	113.172 %
Concentration per Run 1	131.347 %	112.617 %	0.009 ppb	0.025 ppb	121.641 %	102.057 %
Concentration per Run 2	130.564 %	127.392 %	0.011 ppb	0.022 ppb	118.681 %	117.191 %
Concentration per Run 3	127.935 %	130.613 %	0.011 ppb	0.020 ppb	122.330 %	120.268 %
Concentration RSD	1.4 %	7.8 %	11.2 %	10.6 %	1.6 %	8.6 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	94	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	L2573548-08 6020SL	Rack	2		
Analysis started at:	12/4/2025 11:10:16 PM	Vial	2		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	121.199 %	106.916 %	0.554 ppb	436.348 ppb	22,813.718 ppb	13,531.307 ppb	121.844 ppb	4,173.031 ppb	23,711.792 ppb
Concentration per Run 1	123.599 %	102.621 %	0.545 ppb	428.272 ppb	24,339.217 ppb	14,270.972 ppb	125.796 ppb	4,427.554 ppb	24,896.791 ppb
Concentration per Run 2	119.417 %	108.885 %	0.543 ppb	449.943 ppb	21,800.013 ppb	13,961.139 ppb	119.937 ppb	4,119.612 ppb	23,132.636 ppb
Concentration per Run 3	120.583 %	109.241 %	0.573 ppb	430.830 ppb	22,301.923 ppb	12,361.809 ppb	119.801 ppb	3,971.925 ppb	23,105.948 ppb
Concentration RSD	1.8 %	3.5 %	3.0 %	2.7 %	5.9 %	7.6 %	2.8 %	5.6 %	4.3 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	130.184 %	112.608 %	-0.035 ppb	0.316 ppb	5,154.581 ppb	4,425.874 ppb	89.466 ppb	31.069 ppb	0.690 ppb
Concentration per Run 1	130.993 %	105.955 %	-0.021 ppb	0.357 ppb	5,404.756 ppb	4,646.203 ppb	97.040 ppb	30.626 ppb	0.746 ppb
Concentration per Run 2	121.871 %	115.446 %	-0.040 ppb	0.297 ppb	4,970.151 ppb	4,228.675 ppb	84.706 ppb	32.492 ppb	0.684 ppb
Concentration per Run 3	137.686 %	116.424 %	-0.044 ppb	0.294 ppb	5,088.836 ppb	4,402.742 ppb	86.652 ppb	30.089 ppb	0.641 ppb
Concentration RSD	6.1 %	5.1 %	36.0 %	11.2 %	4.4 %	4.7 %	7.4 %	4.1 %	7.7 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	91.808 ppb	129.167 %	112.007 %	0.121 ppb	3.097 ppb	131.150 ppb	-0.037 ppb	121.532 %	101.084 %
Concentration per Run 1	97.999 ppb	127.331 %	104.925 %	0.279 ppb	3.767 ppb	137.369 ppb	-0.038 ppb	123.676 %	97.710 %
Concentration per Run 2	87.870 ppb	128.618 %	116.026 %	0.028 ppb	2.851 ppb	124.503 ppb	-0.034 ppb	120.943 %	102.141 %
Concentration per Run 3	89.554 ppb	131.554 %	115.070 %	0.055 ppb	2.673 ppb	131.579 ppb	-0.038 ppb	119.978 %	103.401 %
Concentration RSD	5.9 %	1.7 %	5.5 %	114.2 %	19.0 %	4.9 %	5.9 %	1.6 %	3.0 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	-0.003 ppb	0.438 ppb	116.957 %	111.633 %	-0.048 ppb	0.037 ppb	19.255 ppb	125.585 %	119.108 %
Concentration per Run 1	-0.002 ppb	0.461 ppb	121.229 %	107.306 %	-0.063 ppb	0.036 ppb	19.660 ppb	126.081 %	116.392 %
Concentration per Run 2	-0.004 ppb	0.408 ppb	114.775 %	112.998 %	-0.040 ppb	0.036 ppb	18.721 ppb	125.018 %	120.042 %
Concentration per Run 3	-0.002 ppb	0.445 ppb	114.868 %	114.594 %	-0.040 ppb	0.038 ppb	19.384 ppb	125.655 %	120.891 %
Concentration RSD	38.8 %	6.1 %	3.2 %	3.4 %	27.8 %	2.6 %	2.5 %	0.4 %	2.0 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	126.202 %	122.481 %	0.184 ppb	0.539 ppb	114.765 %	111.468 %
Concentration per Run 1	127.030 %	117.360 %	0.193 ppb	0.561 ppb	118.522 %	105.397 %
Concentration per Run 2	125.044 %	125.761 %	0.177 ppb	0.538 ppb	110.213 %	113.668 %
Concentration per Run 3	126.532 %	124.322 %	0.181 ppb	0.517 ppb	115.560 %	115.337 %
Concentration RSD	0.8 %	3.7 %	4.7 %	4.1 %	3.7 %	4.8 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index:	95	User name	ALPHALAB\ICPMSRQ	Comment	<Comment>
Analysis label:	L2573548-09 6020SL	Rack	2		
Analysis started at:	12/4/2025 11:14:47 PM	Vial	3		

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	113.586 %	102.473 %	0.028 ppb	251.541 ppb	33,702.577 ppb	13,953.455 ppb	2.205 ppb	3,522.390 ppb	18,502.447 ppb
Concentration per Run 1	112.761 %	94.447 %	0.025 ppb	259.927 ppb	36,932.589 ppb	15,873.836 ppb	3.067 ppb	3,869.522 ppb	21,218.926 ppb
Concentration per Run 2	112.260 %	106.264 %	0.032 ppb	249.861 ppb	31,328.345 ppb	13,108.960 ppb	1.979 ppb	3,320.409 ppb	17,735.995 ppb
Concentration per Run 3	115.735 %	106.708 %	0.027 ppb	244.836 ppb	32,846.798 ppb	12,877.568 ppb	1.570 ppb	3,377.239 ppb	16,552.419 ppb
Concentration RSD	1.7 %	6.8 %	12.9 %	3.1 %	8.6 %	11.9 %	35.1 %	8.6 %	13.1 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	126.078 %	110.454 %	-0.003 ppb	0.055 ppb	4,236.600 ppb	52,304.807 ppb	0.822 ppb	1.167 ppb	0.292 ppb
Concentration per Run 1	126.423 %	99.767 %	0.021 ppb	0.067 ppb	4,680.835 ppb	58,595.837 ppb	0.897 ppb	1.267 ppb	0.304 ppb
Concentration per Run 2	127.302 %	114.320 %	0.006 ppb	0.044 ppb	4,063.998 ppb	51,341.286 ppb	0.788 ppb	1.084 ppb	0.274 ppb
Concentration per Run 3	124.509 %	117.273 %	-0.035 ppb	0.056 ppb	3,964.968 ppb	46,977.298 ppb	0.780 ppb	1.150 ppb	0.298 ppb
Concentration RSD	1.1 %	8.5 %	1,059.1 %	20.5 %	9.2 %	11.2 %	7.9 %	7.9 %	5.4 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	1.057 ppb	126.695 %	111.955 %	0.994 ppb	0.106 ppb	104.178 ppb	-0.019 ppb	117.235 %	100.660 %
Concentration per Run 1	1.145 ppb	128.292 %	102.121 %	1.044 ppb	0.023 ppb	112.781 ppb	-0.034 ppb	122.752 %	93.047 %
Concentration per Run 2	1.053 ppb	128.988 %	116.403 %	0.999 ppb	0.106 ppb	97.789 ppb	-0.023 ppb	115.028 %	105.546 %
Concentration per Run 3	0.971 ppb	122.805 %	117.341 %	0.939 ppb	0.189 ppb	101.965 ppb	0.001 ppb	113.925 %	103.387 %
Concentration RSD	8.2 %	2.7 %	7.6 %	5.3 %	78.4 %	7.4 %	95.0 %	4.1 %	6.6 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	-0.002 ppb	0.000 ppb	112.536 %	107.001 %	-0.023 ppb	0.015 ppb	196.239 ppb	121.991 %	113.032 %
Concentration per Run 1	-0.001 ppb	-0.001 ppb	112.656 %	98.538 %	-0.008 ppb	0.014 ppb	215.788 ppb	123.116 %	103.761 %
Concentration per Run 2	-0.004 ppb	0.000 ppb	113.575 %	111.857 %	-0.033 ppb	0.017 ppb	187.051 ppb	120.607 %	117.547 %
Concentration per Run 3	-0.001 ppb	-0.001 ppb	111.376 %	110.607 %	-0.027 ppb	0.014 ppb	185.877 ppb	122.250 %	117.789 %
Concentration RSD	123.7 %	148.6 %	1.0 %	6.9 %	56.6 %	11.4 %	8.6 %	1.0 %	7.1 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	118.819 %	120.140 %	0.006 ppb	0.020 ppb	105.939 %	107.112 %
Concentration per Run 1	114.080 %	106.974 %	0.004 ppb	0.021 ppb	108.947 %	96.455 %
Concentration per Run 2	120.655 %	124.878 %	0.010 ppb	0.020 ppb	103.054 %	111.080 %
Concentration per Run 3	121.722 %	128.568 %	0.005 ppb	0.019 ppb	105.818 %	113.802 %
Concentration RSD	3.5 %	9.6 %	51.0 %	6.6 %	2.8 %	8.7 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 96
Analysis label: L2573548-10 6020SL
Analysis started at: 12/4/2025 11:19:17 PM
User name ALPHALAB\ICPMSRQ
Rack 2
Vial 4
Comment <Comment>

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	119.665 %	105.790 %	0.015 ppb	62.243 ppb	6,660.693 ppb	11,589.875 ppb	6.859 ppb	5,817.107 ppb	79,105.446 ppb
Concentration per Run 1	118.319 %	101.022 %	0.016 ppb	65.097 ppb	6,840.181 ppb	12,320.843 ppb	6.307 ppb	6,026.973 ppb	85,605.535 ppb
Concentration per Run 2	120.362 %	107.864 %	0.016 ppb	60.532 ppb	6,313.433 ppb	11,502.663 ppb	8.408 ppb	5,640.134 ppb	75,035.050 ppb
Concentration per Run 3	120.315 %	108.486 %	0.012 ppb	61.098 ppb	6,828.464 ppb	10,946.120 ppb	5.862 ppb	5,784.213 ppb	76,675.754 ppb
Concentration RSD	1.0 %	3.9 %	17.9 %	4.0 %	4.5 %	6.0 %	19.8 %	3.4 %	7.2 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	130.149 %	113.680 %	1.423 ppb	0.602 ppb	1,298.205 ppb	30,515.815 ppb	0.267 ppb	1.648 ppb	0.190 ppb
Concentration per Run 1	123.433 %	107.791 %	1.408 ppb	0.663 ppb	1,373.546 ppb	33,111.070 ppb	0.285 ppb	1.726 ppb	0.203 ppb
Concentration per Run 2	143.093 %	115.220 %	1.447 ppb	0.546 ppb	1,262.750 ppb	29,798.575 ppb	0.250 ppb	1.454 ppb	0.176 ppb
Concentration per Run 3	123.920 %	118.029 %	1.415 ppb	0.597 ppb	1,258.320 ppb	28,637.800 ppb	0.266 ppb	1.765 ppb	0.192 ppb
Concentration RSD	8.6 %	4.7 %	1.5 %	9.8 %	5.0 %	7.6 %	6.5 %	10.3 %	7.0 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.944 ppb	127.884 %	113.932 %	3.713 ppb	0.309 ppb	551.181 ppb	2.309 ppb	116.328 %	101.449 %
Concentration per Run 1	1.002 ppb	124.804 %	107.348 %	3.807 ppb	0.424 ppb	575.586 ppb	2.524 ppb	117.738 %	97.282 %
Concentration per Run 2	0.898 ppb	131.345 %	117.456 %	3.494 ppb	0.266 ppb	528.745 ppb	2.171 ppb	119.134 %	106.121 %
Concentration per Run 3	0.933 ppb	127.502 %	116.991 %	3.836 ppb	0.237 ppb	549.211 ppb	2.233 ppb	112.113 %	100.945 %
Concentration RSD	5.6 %	2.6 %	5.0 %	5.1 %	32.6 %	4.3 %	8.2 %	3.2 %	4.4 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	-0.002 ppb	0.001 ppb	111.261 %	111.284 %	-0.025 ppb	1.020 ppb	129.775 ppb	118.111 %	118.110 %
Concentration per Run 1	0.000 ppb	0.000 ppb	116.426 %	103.875 %	0.035 ppb	1.082 ppb	137.626 ppb	119.362 %	111.736 %
Concentration per Run 2	-0.003 ppb	0.002 ppb	109.251 %	114.706 %	-0.045 ppb	0.989 ppb	125.064 ppb	116.571 %	121.395 %
Concentration per Run 3	-0.001 ppb	0.000 ppb	108.107 %	115.270 %	-0.064 ppb	0.991 ppb	126.634 ppb	118.399 %	121.199 %
Concentration RSD	84.3 %	86.1 %	4.1 %	5.8 %	215.0 %	5.2 %	5.3 %	1.2 %	4.7 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	119.992 %	121.476 %	0.007 ppb	0.026 ppb	107.959 %	110.577 %
Concentration per Run 1	122.410 %	115.979 %	0.005 ppb	0.030 ppb	111.643 %	103.279 %
Concentration per Run 2	120.108 %	125.106 %	0.008 ppb	0.027 ppb	103.351 %	114.419 %
Concentration per Run 3	117.459 %	123.343 %	0.007 ppb	0.021 ppb	108.883 %	114.034 %
Concentration RSD	2.1 %	4.0 %	20.6 %	17.7 %	3.9 %	5.7 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 97
Analysis label: CCV
Analysis started at: 12/4/2025 11:23:48 PM
User name ALPHALAB\ICPMSRQ
Rack 0
Vial 9
Comment <Comment>

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	116.317 %	107.020 %	58.761 ppb	59.407 ppb	6,207.847 ppb	6,333.468 ppb	64.043 ppb	6,337.629 ppb	6,099.363 ppb
Concentration per Run 1	113.298 %	104.620 %	62.635 ppb	61.119 ppb	6,252.029 ppb	6,668.695 ppb	63.135 ppb	6,677.903 ppb	6,192.584 ppb
Concentration per Run 2	116.518 %	109.552 %	57.756 ppb	59.701 ppb	6,162.701 ppb	6,268.547 ppb	64.042 ppb	6,051.179 ppb	6,435.354 ppb
Concentration per Run 3	119.137 %	106.886 %	55.891 ppb	57.402 ppb	6,208.812 ppb	6,063.163 ppb	64.951 ppb	6,283.805 ppb	5,670.151 ppb
Recovery Percentage 1			97.934 %	99.012 %	103.464 %	105.558 %	106.738 %	105.627 %	101.656 %
Concentration RSD	2.5 %	2.3 %	5.9 %	3.2 %	0.7 %	4.9 %	1.4 %	5.0 %	6.4 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	119.442 %	113.262 %	56.797 ppb	54.394 ppb	59.399 ppb	5,731.720 ppb	56.173 ppb	62.395 ppb	53.789 ppb
Concentration per Run 1	112.598 %	106.554 %	61.185 ppb	57.315 ppb	61.952 ppb	5,982.324 ppb	59.143 ppb	68.483 ppb	55.584 ppb
Concentration per Run 2	122.785 %	114.409 %	56.258 ppb	53.880 ppb	59.182 ppb	5,523.596 ppb	58.442 ppb	59.763 ppb	54.068 ppb
Concentration per Run 3	122.941 %	118.822 %	52.947 ppb	51.985 ppb	57.065 ppb	5,689.240 ppb	50.935 ppb	58.940 ppb	51.715 ppb
Recovery Percentage 1			94.661 %	90.656 %	98.999 %	95.529 %	93.622 %	103.992 %	89.648 %
Concentration RSD	5.0 %	5.5 %	7.3 %	5.0 %	4.1 %	4.1 %	8.1 %	8.5 %	3.6 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	57.043 ppb	120.753 %	111.008 %	59.166 ppb	60.747 ppb	63.855 ppb	57.953 ppb	116.297 %	103.641 %
Concentration per Run 1	60.280 ppb	117.922 %	105.836 %	60.827 ppb	61.135 ppb	64.459 ppb	58.967 ppb	115.488 %	101.563 %
Concentration per Run 2	56.085 ppb	123.229 %	112.270 %	59.081 ppb	61.394 ppb	64.652 ppb	58.173 ppb	120.173 %	101.551 %
Concentration per Run 3	54.763 ppb	121.107 %	114.916 %	57.589 ppb	59.712 ppb	62.454 ppb	56.720 ppb	113.230 %	107.810 %
Recovery Percentage 1	95.071 %			98.609 %	101.245 %	106.425 %	96.589 %		
Concentration RSD	5.0 %	2.2 %	4.2 %	2.7 %	1.5 %	1.9 %	2.0 %	3.0 %	3.5 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	56.891 ppb	56.985 ppb	107.098 %	107.747 %	56.977 ppb	55.236 ppb	61.269 ppb	112.529 %	114.088 %
Concentration per Run 1	58.205 ppb	58.265 ppb	102.971 %	102.599 %	56.976 ppb	57.240 ppb	63.503 ppb	113.039 %	109.820 %
Concentration per Run 2	57.788 ppb	55.929 ppb	107.465 %	110.757 %	57.526 ppb	54.037 ppb	59.792 ppb	116.422 %	115.385 %
Concentration per Run 3	54.681 ppb	56.760 ppb	110.857 %	109.885 %	56.429 ppb	54.430 ppb	60.512 ppb	108.127 %	117.058 %
Recovery Percentage 1	94.819 %	94.975 %			94.962 %	92.060 %	102.116 %		
Concentration RSD	3.4 %	2.1 %	3.7 %	4.2 %	1.0 %	3.2 %	3.2 %	3.7 %	3.3 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	113.486 %	116.883 %	57.914 ppb	58.382 ppb	103.945 %	109.084 %
Concentration per Run 1	113.168 %	113.696 %	58.928 ppb	61.186 ppb	98.191 %	104.923 %
Concentration per Run 2	115.721 %	117.526 %	58.253 ppb	57.826 ppb	106.193 %	109.131 %
Concentration per Run 3	111.570 %	119.428 %	56.562 ppb	56.132 ppb	107.449 %	113.197 %
Recovery Percentage 1			96.523 %	97.303 %		
Concentration RSD	1.8 %	2.5 %	2.1 %	4.4 %	4.8 %	3.8 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 98
Analysis label: CCB
Analysis started at: 12/4/2025 11:28:23 PM
User name ALPHALAB\ICPMSRQ
Rack 0
Vial 10
Comment <Comment>

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	120.579 %	111.240 %	0.014 ppb	0.457 ppb	-28.528 ppb	0.750 ppb	1.081 ppb	5.951 ppb	18.381 ppb
Concentration per Run 1	117.808 %	106.975 %	0.014 ppb	0.487 ppb	-24.724 ppb	1.061 ppb	0.535 ppb	10.243 ppb	8.584 ppb
Concentration per Run 2	123.060 %	113.417 %	0.020 ppb	0.436 ppb	-31.334 ppb	0.530 ppb	0.940 ppb	4.669 ppb	34.262 ppb
Concentration per Run 3	120.868 %	113.328 %	0.010 ppb	0.449 ppb	-29.526 ppb	0.660 ppb	1.768 ppb	2.942 ppb	12.297 ppb
Recovery Percentage 1			2.879 %	4.573 %	-5.706 %	1.072 %	10.812 %	5.951 %	18.381 %
Concentration RSD	2.2 %	3.3 %	34.7 %	5.8 %	12.0 %	36.9 %	58.1 %	64.1 %	75.5 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	117.989 %	112.644 %	-0.057 ppb	0.007 ppb	0.501 ppb	5.603 ppb	0.013 ppb	0.453 ppb	0.085 ppb
Concentration per Run 1	121.009 %	108.591 %	-0.060 ppb	0.020 ppb	0.527 ppb	6.555 ppb	0.018 ppb	0.525 ppb	0.110 ppb
Concentration per Run 2	117.369 %	114.227 %	-0.060 ppb	0.010 ppb	0.471 ppb	4.592 ppb	0.008 ppb	0.391 ppb	0.059 ppb
Concentration per Run 3	115.587 %	115.116 %	-0.050 ppb	-0.010 ppb	0.504 ppb	5.662 ppb	0.014 ppb	0.441 ppb	0.085 ppb
Recovery Percentage 1			-1.133 %	0.679 %	50.104 %	11.207 %	2.659 %	22.626 %	8.463 %
Concentration RSD	2.3 %	3.1 %	9.7 %	221.3 %	5.6 %	17.5 %	39.1 %	15.0 %	29.8 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.754 ppb	121.373 %	110.007 %	0.047 ppb	0.056 ppb	0.014 ppb	0.039 ppb	117.095 %	104.441 %
Concentration per Run 1	0.785 ppb	118.001 %	105.221 %	0.166 ppb	0.072 ppb	0.012 ppb	0.034 ppb	115.029 %	99.569 %
Concentration per Run 2	0.764 ppb	124.386 %	110.211 %	-0.081 ppb	0.081 ppb	0.019 ppb	0.039 ppb	122.077 %	106.659 %
Concentration per Run 3	0.711 ppb	121.731 %	114.590 %	0.057 ppb	0.014 ppb	0.012 ppb	0.044 ppb	114.178 %	107.093 %
Recovery Percentage 1	15.070 %			9.494 %	1.111 %	2.899 %	1.941 %		
Concentration RSD	5.1 %	2.6 %	4.3 %	260.9 %	65.7 %	26.7 %	12.8 %	3.7 %	4.0 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.002 ppb	0.004 ppb	109.308 %	109.861 %	0.179 ppb	0.070 ppb	0.072 ppb	113.003 %	112.512 %
Concentration per Run 1	0.001 ppb	0.004 ppb	111.444 %	104.520 %	0.169 ppb	0.065 ppb	0.068 ppb	114.296 %	107.124 %
Concentration per Run 2	0.001 ppb	0.008 ppb	110.847 %	111.305 %	0.154 ppb	0.063 ppb	0.066 ppb	115.838 %	115.303 %
Concentration per Run 3	0.004 ppb	0.000 ppb	105.633 %	113.758 %	0.214 ppb	0.083 ppb	0.081 ppb	108.874 %	115.109 %
Recovery Percentage 1	0.510 %	2.090 %			5.961 %	1.757 %	14.316 %		
Concentration RSD	103.4 %	89.6 %	2.9 %	4.4 %	17.6 %	15.4 %	11.7 %	3.2 %	4.1 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	112.284 %	116.227 %	0.191 ppb	0.013 ppb	107.255 %	112.530 %
Concentration per Run 1	115.262 %	109.826 %	0.156 ppb	0.013 ppb	107.288 %	106.376 %
Concentration per Run 2	112.701 %	118.619 %	0.222 ppb	0.013 ppb	107.673 %	113.823 %
Concentration per Run 3	108.887 %	120.237 %	0.196 ppb	0.012 ppb	106.805 %	117.390 %
Recovery Percentage 1			19.148 %	1.268 %		
Concentration RSD	2.9 %	4.8 %	17.4 %	4.6 %	0.4 %	5.0 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 99
Analysis label: CCV
Analysis started at: 12/4/2025 11:32:59 PM
User name ALPHALAB\ICPMSRQ
Rack 0
Vial 9
Comment <Comment>

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	117.538 %	109.345 %	58.613 ppb	58.729 ppb	6,331.805 ppb	6,745.135 ppb	62.375 ppb	6,731.594 ppb	6,411.372 ppb
Concentration per Run 1	117.074 %	103.332 %	59.136 ppb	59.705 ppb	6,597.788 ppb	7,148.337 ppb	67.499 ppb	7,107.754 ppb	6,769.286 ppb
Concentration per Run 2	118.452 %	112.617 %	57.145 ppb	57.669 ppb	6,221.192 ppb	6,839.451 ppb	57.305 ppb	6,749.513 ppb	6,058.059 ppb
Concentration per Run 3	117.090 %	112.084 %	59.558 ppb	58.812 ppb	6,176.436 ppb	6,247.616 ppb	62.321 ppb	6,337.515 ppb	6,406.770 ppb
Recovery Percentage 1			97.688 %	97.881 %	105.530 %	112.419 %	103.958 %	112.193 %	106.856 %
Concentration RSD	0.7 %	4.8 %	2.2 %	1.7 %	3.7 %	6.8 %	8.2 %	5.7 %	5.5 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	124.840 %	112.758 %	59.153 ppb	55.490 ppb	60.751 ppb	5,983.968 ppb	58.108 ppb	65.510 ppb	57.634 ppb
Concentration per Run 1	126.791 %	106.615 %	59.903 ppb	58.249 ppb	63.710 ppb	6,133.368 ppb	62.924 ppb	62.437 ppb	57.413 ppb
Concentration per Run 2	120.857 %	114.146 %	59.867 ppb	54.529 ppb	59.643 ppb	5,902.422 ppb	57.548 ppb	69.146 ppb	57.976 ppb
Concentration per Run 3	126.873 %	117.513 %	57.689 ppb	53.693 ppb	58.901 ppb	5,916.114 ppb	53.851 ppb	64.948 ppb	57.514 ppb
Recovery Percentage 1			98.588 %	92.484 %	101.252 %	99.733 %	96.846 %	109.184 %	96.057 %
Concentration RSD	2.8 %	4.9 %	2.1 %	4.4 %	4.3 %	2.2 %	7.9 %	5.2 %	0.5 %

Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	58.293 ppb	122.833 %	108.350 %	59.546 ppb	64.123 ppb	66.732 ppb	61.426 ppb	113.693 %	99.600 %
Concentration per Run 1	60.905 ppb	123.469 %	103.228 %	62.080 ppb	66.677 ppb	68.019 ppb	63.686 ppb	113.928 %	95.947 %
Concentration per Run 2	57.756 ppb	122.164 %	109.233 %	59.207 ppb	63.141 ppb	65.634 ppb	57.267 ppb	111.149 %	101.637 %
Concentration per Run 3	56.219 ppb	122.865 %	112.590 %	57.352 ppb	62.552 ppb	66.543 ppb	63.326 ppb	116.003 %	101.216 %
Recovery Percentage 1	97.155 %			99.244 %	106.872 %	111.220 %	102.377 %		
Concentration RSD	4.1 %	0.5 %	4.4 %	4.0 %	3.5 %	1.8 %	5.9 %	2.1 %	3.2 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	58.627 ppb	58.238 ppb	109.415 %	107.431 %	57.514 ppb	56.700 ppb	62.016 ppb	111.351 %	110.819 %
Concentration per Run 1	60.728 ppb	62.554 ppb	110.065 %	101.008 %	61.160 ppb	59.318 ppb	64.880 ppb	112.511 %	105.794 %
Concentration per Run 2	57.510 ppb	56.152 ppb	108.358 %	109.389 %	55.000 ppb	55.489 ppb	60.651 ppb	110.715 %	111.787 %
Concentration per Run 3	57.642 ppb	56.007 ppb	109.822 %	111.897 %	56.382 ppb	55.293 ppb	60.516 ppb	110.825 %	114.876 %
Recovery Percentage 1	97.711 %	97.063 %			95.857 %	94.500 %	103.359 %		
Concentration RSD	3.1 %	6.4 %	0.8 %	5.3 %	5.6 %	4.0 %	4.0 %	0.9 %	4.2 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	114.024 %	113.240 %	59.670 ppb	59.421 ppb	107.221 %	107.404 %
Concentration per Run 1	116.667 %	107.672 %	62.384 ppb	62.218 ppb	108.151 %	101.755 %
Concentration per Run 2	111.230 %	114.487 %	58.169 ppb	58.217 ppb	107.418 %	108.926 %
Concentration per Run 3	114.174 %	117.562 %	58.458 ppb	57.830 ppb	106.094 %	111.532 %
Recovery Percentage 1			99.451 %	99.036 %		
Concentration RSD	2.4 %	4.5 %	3.9 %	4.1 %	1.0 %	4.7 %

Pace ICPMSRQ Data with SRD

12/5/2025 6:53:46 AM

Analysis index: 100
Analysis label: CCB
Analysis started at: 12/4/2025 11:37:34 PM
User name ALPHALAB\ICPMSRQ
Rack 0
Vial 10
Comment <Comment>

Category	6Li (STD_DEF)	6Li (KED_DEF)	9Be (STD_DEF)	11B (STD_DEF)	23Na (KED_DEF)	24Mg (KED_DEF)	27Al (KED_DEF)	39K (KED_DEF)	44Ca (KED_DEF)
Concentration average	120.628 %	112.173 %	0.019 ppb	0.351 ppb	-25.039 ppb	1.621 ppb	0.740 ppb	9.049 ppb	19.136 ppb
Concentration per Run 1	120.394 %	106.664 %	0.017 ppb	0.361 ppb	-19.969 ppb	2.135 ppb	1.400 ppb	15.416 ppb	31.561 ppb
Concentration per Run 2	122.075 %	114.528 %	0.020 ppb	0.359 ppb	-25.185 ppb	2.148 ppb	0.488 ppb	7.172 ppb	18.072 ppb
Concentration per Run 3	119.413 %	115.328 %	0.018 ppb	0.333 ppb	-29.963 ppb	0.581 ppb	0.332 ppb	4.559 ppb	7.773 ppb
Recovery Percentage 1			3.744 %	3.507 %	-5.008 %	2.316 %	7.403 %	9.049 %	19.136 %
Concentration RSD	1.1 %	4.3 %	8.4 %	4.4 %	20.0 %	55.6 %	77.9 %	62.6 %	62.3 %

Category	45Sc (STD_DEF)	45Sc (KED_DEF)	51V (KED_DEF)	52Cr (KED_DEF)	55Mn (KED_DEF)	57Fe (KED_DEF)	59Co (KED_DEF)	60Ni (STD_DEF)	65Cu (KED_DEF)
Concentration average	132.975 %	107.575 %	-0.050 ppb	0.011 ppb	0.531 ppb	4.623 ppb	0.021 ppb	0.379 ppb	0.106 ppb
Concentration per Run 1	134.985 %	99.341 %	-0.034 ppb	0.022 ppb	0.555 ppb	6.087 ppb	0.016 ppb	0.419 ppb	0.137 ppb
Concentration per Run 2	139.394 %	109.088 %	-0.043 ppb	0.025 ppb	0.516 ppb	3.706 ppb	0.034 ppb	0.341 ppb	0.089 ppb
Concentration per Run 3	124.545 %	114.296 %	-0.074 ppb	-0.013 ppb	0.523 ppb	4.077 ppb	0.013 ppb	0.376 ppb	0.091 ppb
Recovery Percentage 1			-1.007 %	1.133 %	53.124 %	9.247 %	4.170 %	18.933 %	10.587 %
Concentration RSD	5.7 %	7.1 %	42.2 %	188.4 %	3.9 %	27.7 %	53.2 %	10.2 %	25.8 %

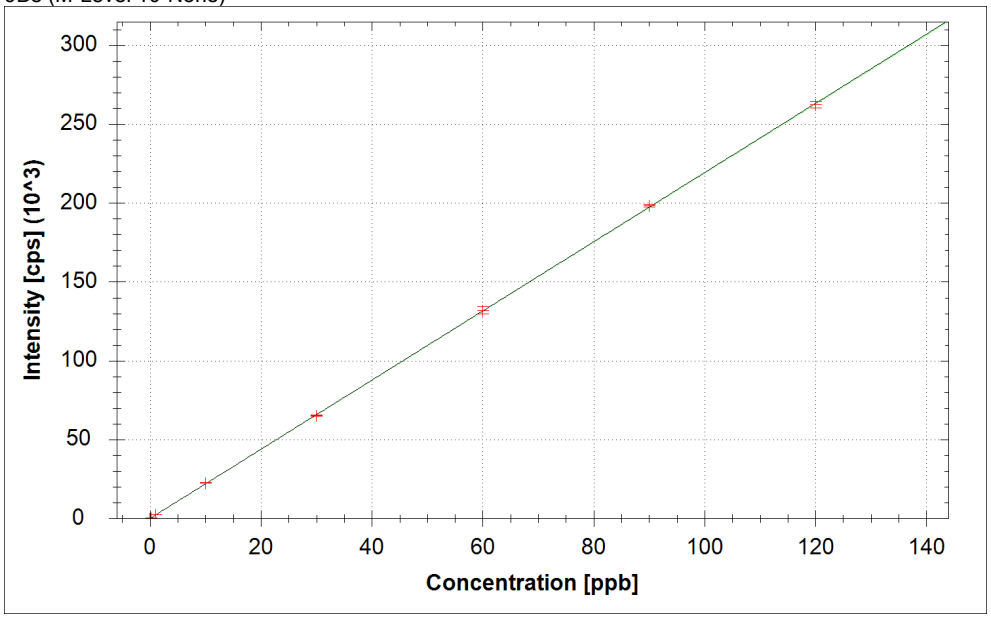
Category	66Zn (KED_DEF)	74Ge (STD_DEF)	74Ge (KED_DEF)	75As (KED_DEF)	78Se (KED_DEF)	88Sr (KED_DEF)	95Mo (KED_DEF)	103Rh (STD_DEF)	103Rh (KED_DEF)
Concentration average	0.817 ppb	122.529 %	108.996 %	0.109 ppb	0.077 ppb	0.019 ppb	0.089 ppb	114.991 %	101.850 %
Concentration per Run 1	0.873 ppb	124.397 %	100.586 %	0.098 ppb	0.081 ppb	0.013 ppb	0.111 ppb	118.502 %	93.172 %
Concentration per Run 2	0.788 ppb	123.017 %	111.389 %	0.116 ppb	0.062 ppb	0.035 ppb	0.028 ppb	113.297 %	105.386 %
Concentration per Run 3	0.791 ppb	120.172 %	115.013 %	0.113 ppb	0.088 ppb	0.009 ppb	0.128 ppb	113.175 %	106.992 %
Recovery Percentage 1	16.348 %			21.780 %	1.547 %	3.750 %	4.446 %		
Concentration RSD	5.9 %	1.8 %	6.9 %	8.9 %	17.4 %	75.9 %	60.2 %	2.6 %	7.4 %

Category	107Ag (KED_DEF)	111Cd (KED_DEF)	115In (STD_DEF)	115In (KED_DEF)	118Sn (KED_DEF)	121Sb (KED_DEF)	137Ba (KED_DEF)	159Tb (STD_DEF)	159Tb (KED_DEF)
Concentration average	0.011 ppb	0.011 ppb	110.249 %	106.855 %	0.222 ppb	0.070 ppb	0.069 ppb	111.588 %	107.821 %
Concentration per Run 1	0.012 ppb	0.014 ppb	110.958 %	100.072 %	0.240 ppb	0.057 ppb	0.087 ppb	113.945 %	98.620 %
Concentration per Run 2	0.015 ppb	0.014 ppb	111.967 %	109.882 %	0.216 ppb	0.076 ppb	0.061 ppb	112.849 %	110.583 %
Concentration per Run 3	0.007 ppb	0.005 ppb	107.822 %	110.612 %	0.209 ppb	0.077 ppb	0.060 ppb	107.969 %	114.260 %
Recovery Percentage 1	2.850 %	5.668 %			7.387 %	1.747 %	13.887 %		
Concentration RSD	35.7 %	45.8 %	2.0 %	5.5 %	7.4 %	16.1 %	21.9 %	2.9 %	7.6 %

Category	175Lu (STD_DEF)	175Lu (KED_DEF)	205Tl (KED_DEF)	208Pb (KED_DEF)	209Bi (STD_DEF)	209Bi (KED_DEF)
Concentration average	111.760 %	109.989 %	0.224 ppb	0.018 ppb	107.491 %	108.272 %
Concentration per Run 1	113.822 %	100.317 %	0.196 ppb	0.018 ppb	110.344 %	97.959 %
Concentration per Run 2	113.394 %	113.468 %	0.259 ppb	0.023 ppb	106.112 %	111.079 %
Concentration per Run 3	108.066 %	116.181 %	0.217 ppb	0.013 ppb	106.018 %	115.777 %
Recovery Percentage 1			22.424 %	1.786 %		
Concentration RSD	2.9 %	7.7 %	14.3 %	27.6 %	2.3 %	8.5 %

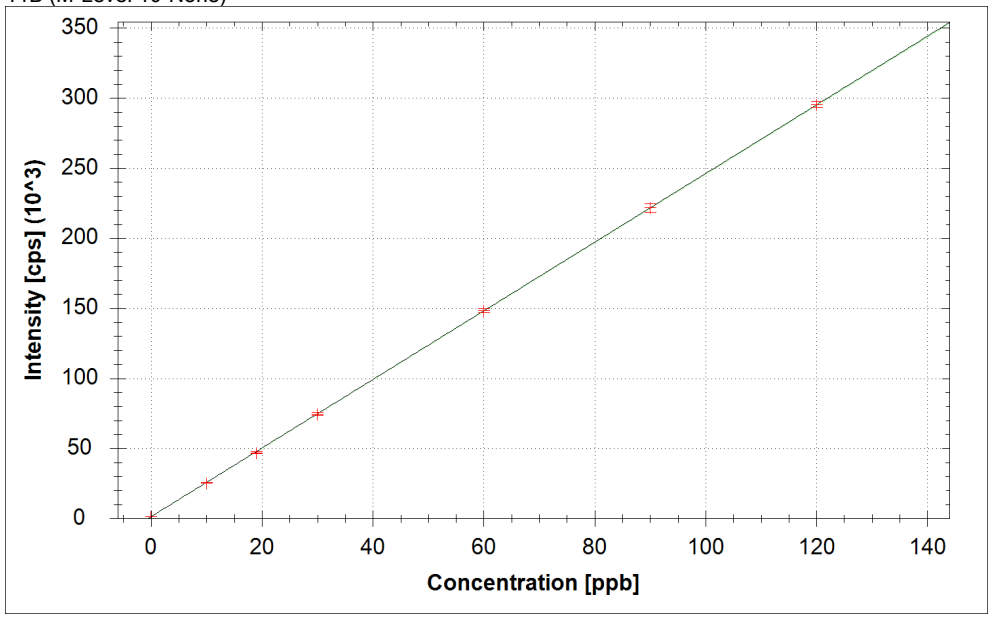
Calibration Curves:

9Be (M-Level 10-None)



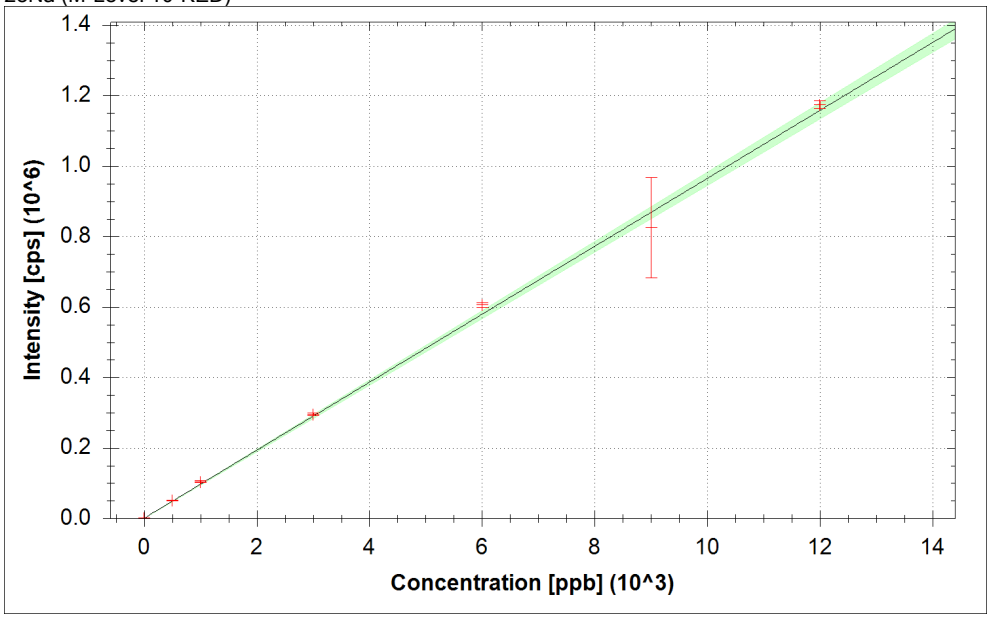
f(x) = 2192.3453*x + 6.9883
R² = 1.0000
BEC = 0.003 ppb
LoD = 0.0047 ppb

11B (M-Level 10-None)



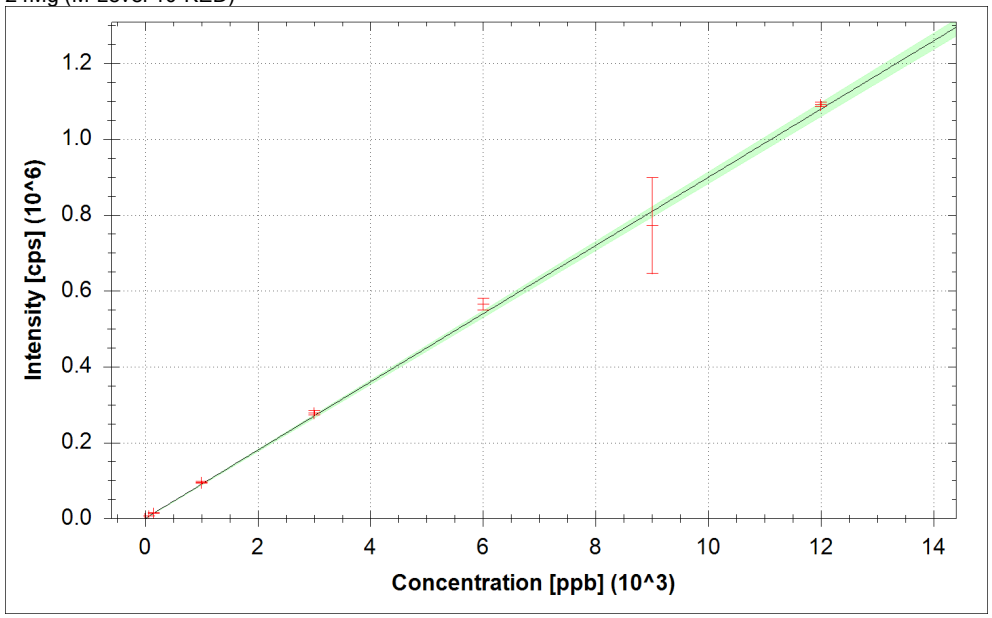
f(x) = 2448.7351*x + 1237.3645
R² = 1.0000
BEC = 0.505 ppb
LoD = 0.0424 ppb

23Na (M-Level 10-KED)



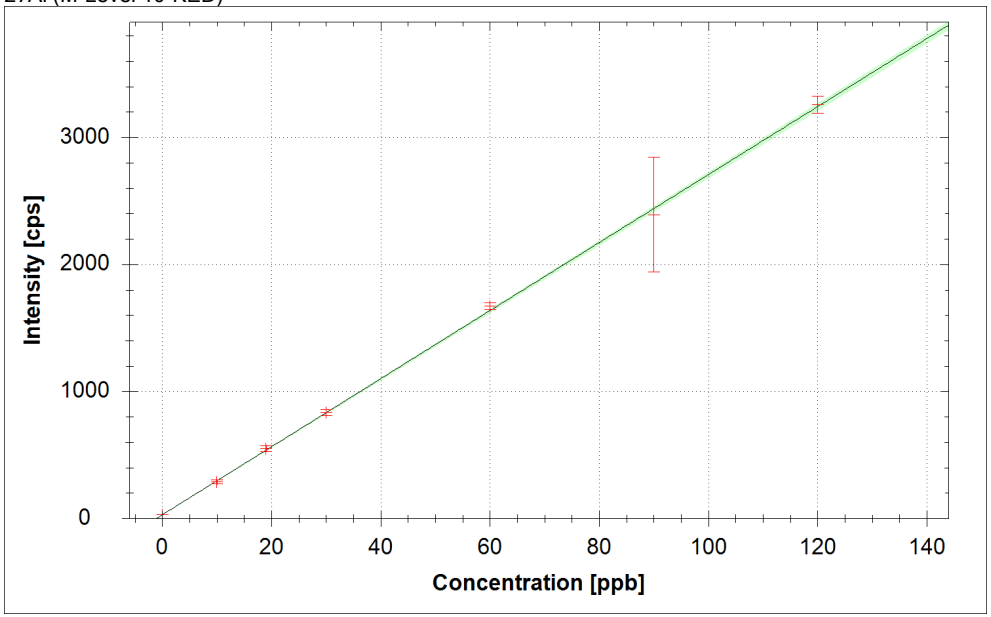
f(x) = 96.3839*x + 804.6146
R² = 0.9976
BEC = 8.348 ppb
LoD = 0.8811 ppb

24Mg (M-Level 10-KED)



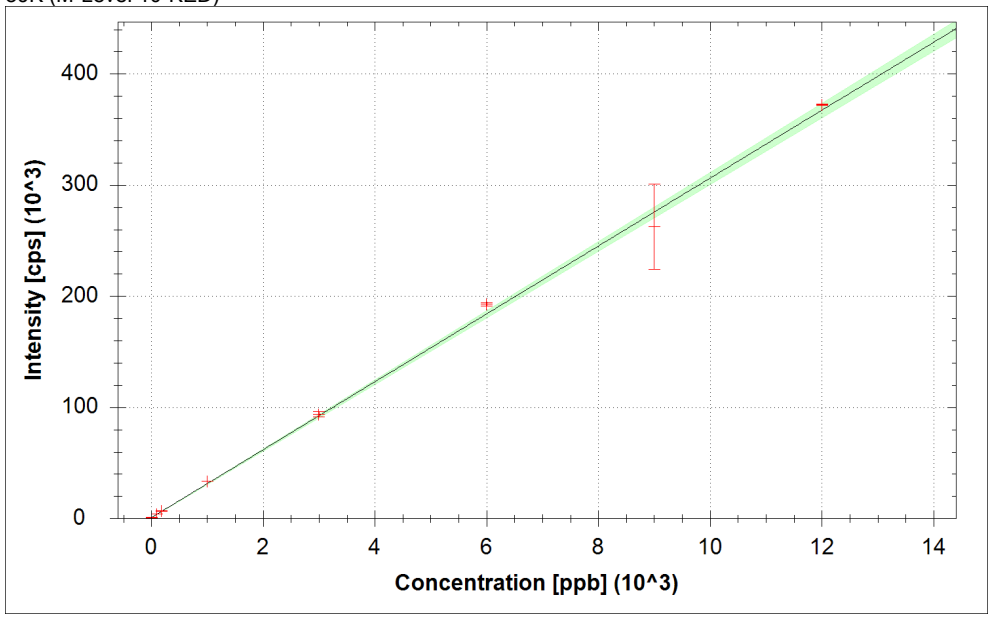
f(x) = 89.8799*x + 146.3275
R² = 0.9981
BEC = 1.628 ppb
LoD = 0.3943 ppb

27Al (M-Level 10-KED)



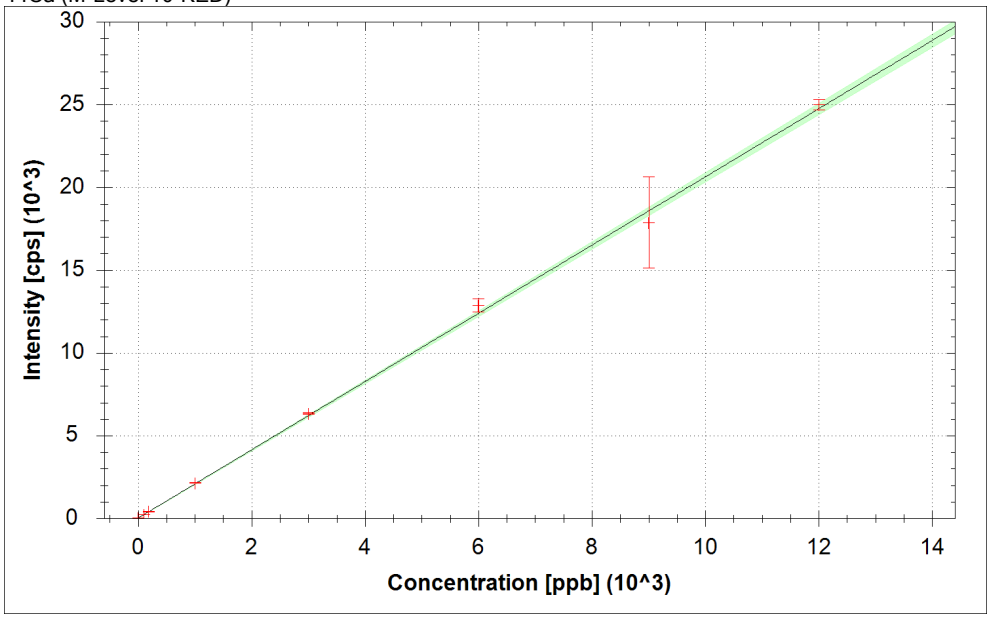
f(x) = 26.7566*x + 29.3358
R² = 0.9996
BEC = 1.096 ppb
LoD = 0.0801 ppb

39K (M-Level 10-KED)



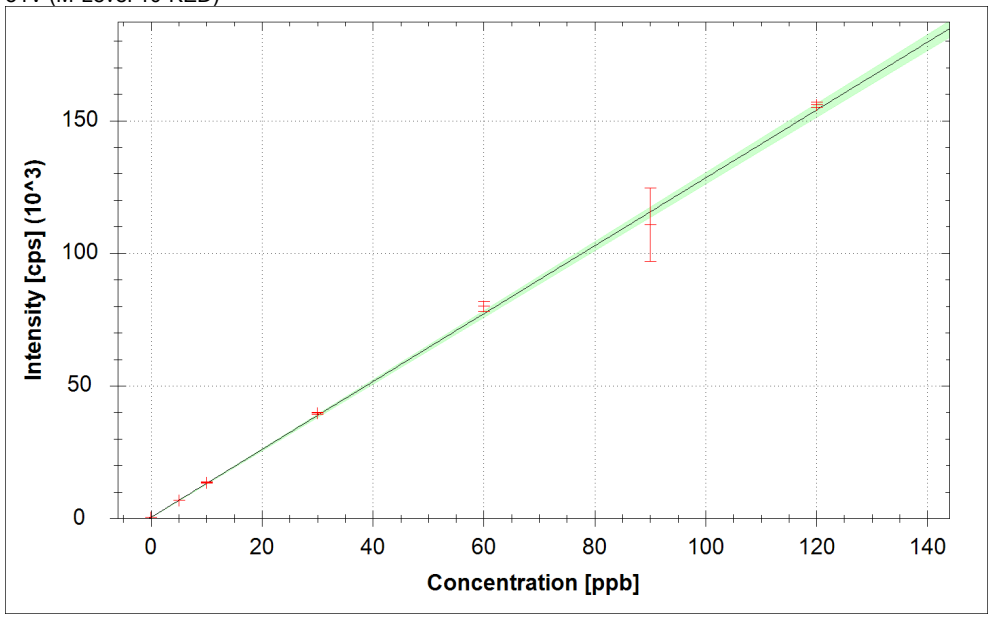
f(x) = 30.5393*x + 716.4102
R² = 0.9979
BEC = 23.459 ppb
LoD = 4.0790 ppb

44Ca (M-Level 10-KED)



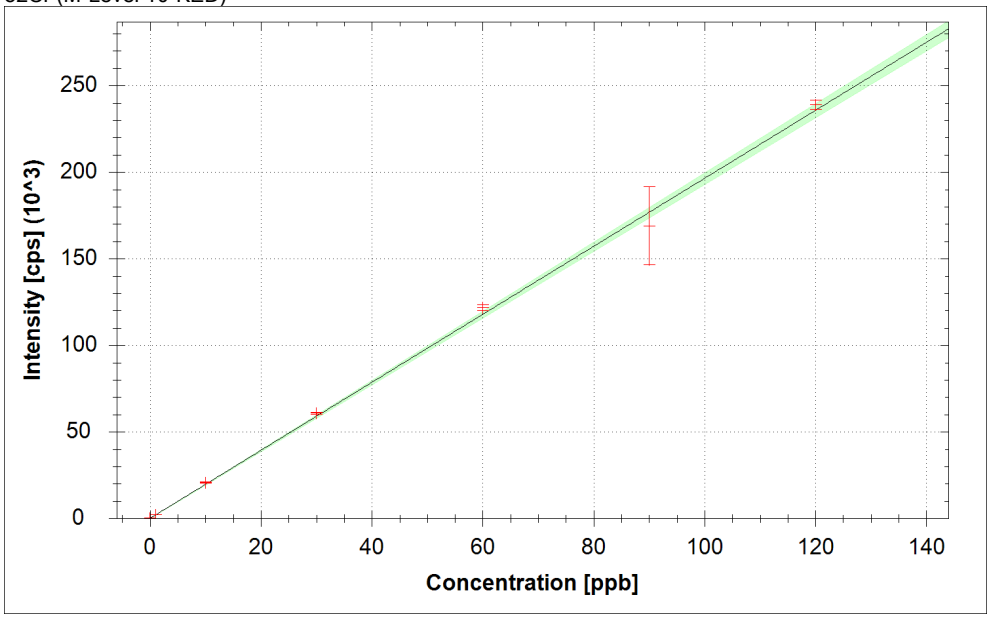
f(x) = 2.0605*x + 20.7528
R² = 0.9987
BEC = 10.072 ppb
LoD = 6.3081 ppb

51V (M-Level 10-KED)



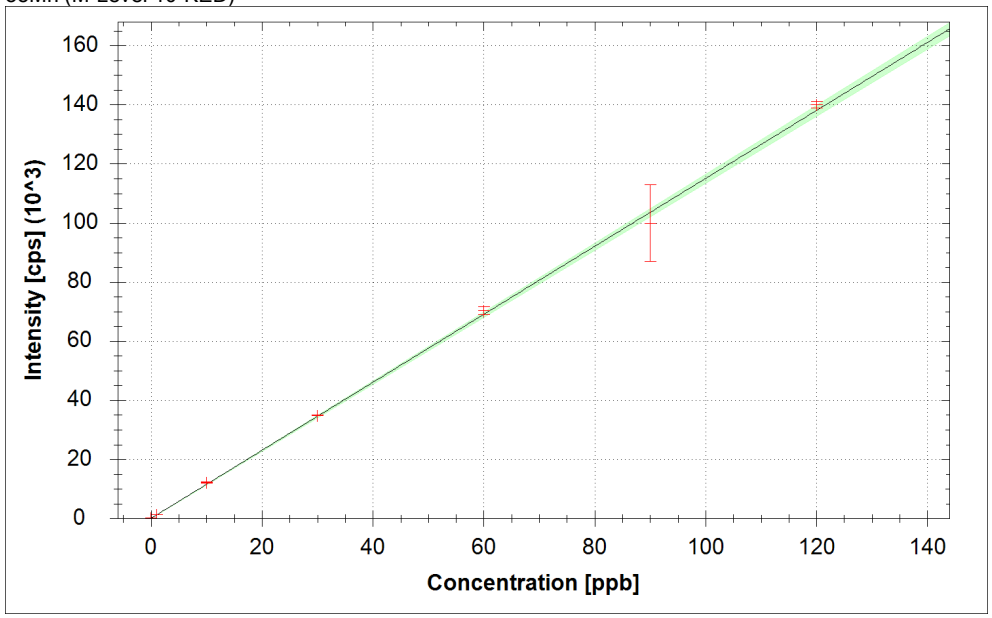
f(x) = 1279.2424*x + 397.6343
R² = 0.9983
BEC = 0.311 ppb
LoD = 0.0815 ppb

52Cr (M-Level 10-KED)



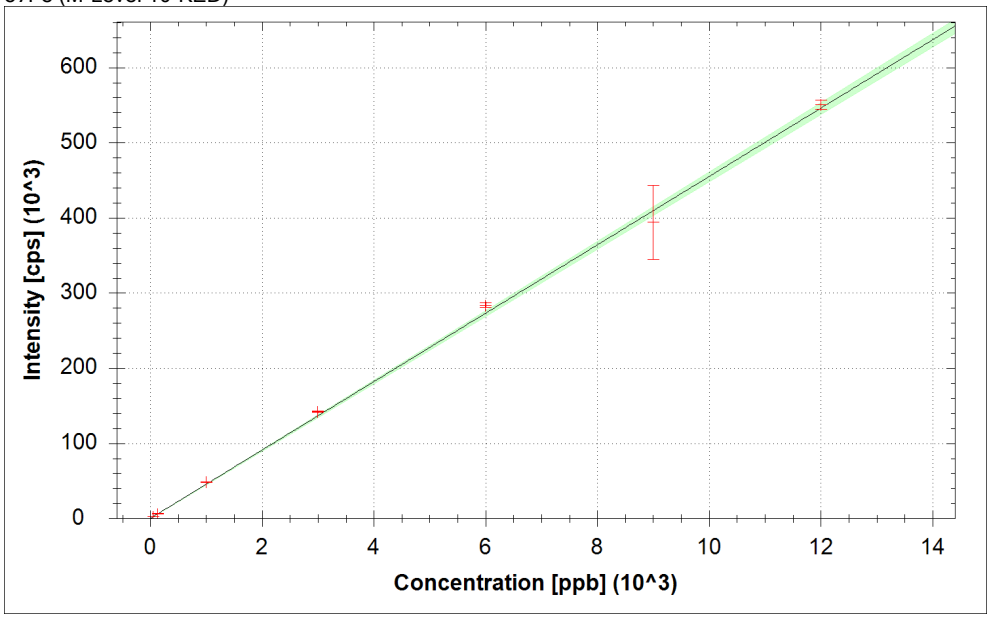
f(x) = 1962.6858*x + 84.9811
R² = 0.9982
BEC = 0.043 ppb
LoD = 0.0059 ppb

55Mn (M-Level 10-KED)



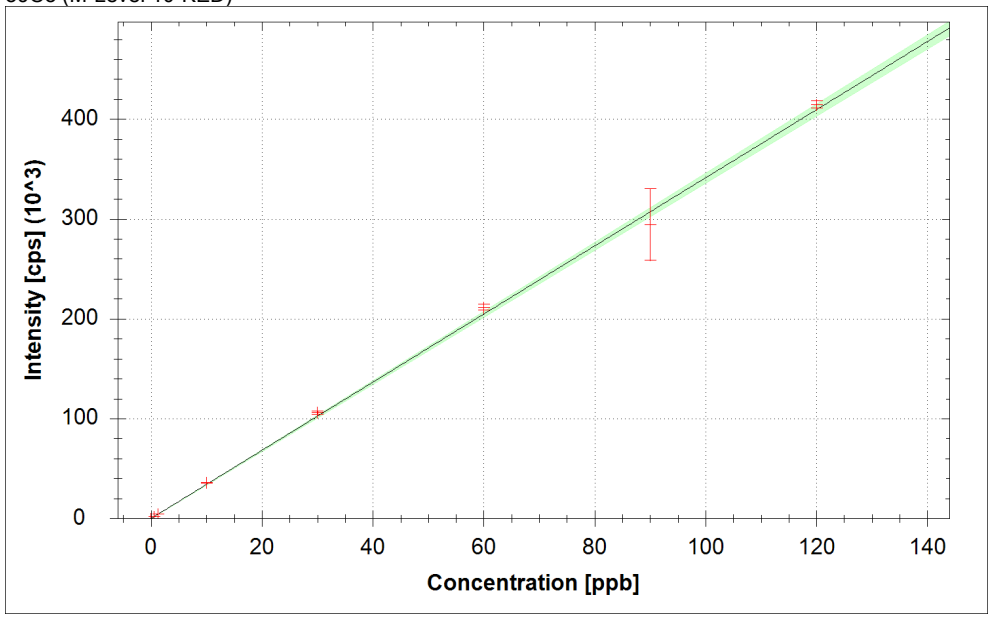
f(x) = 1149.6960*x + 56.6369
R² = 0.9989
BEC = 0.049 ppb
LoD = 0.0244 ppb

57Fe (M-Level 10-KED)



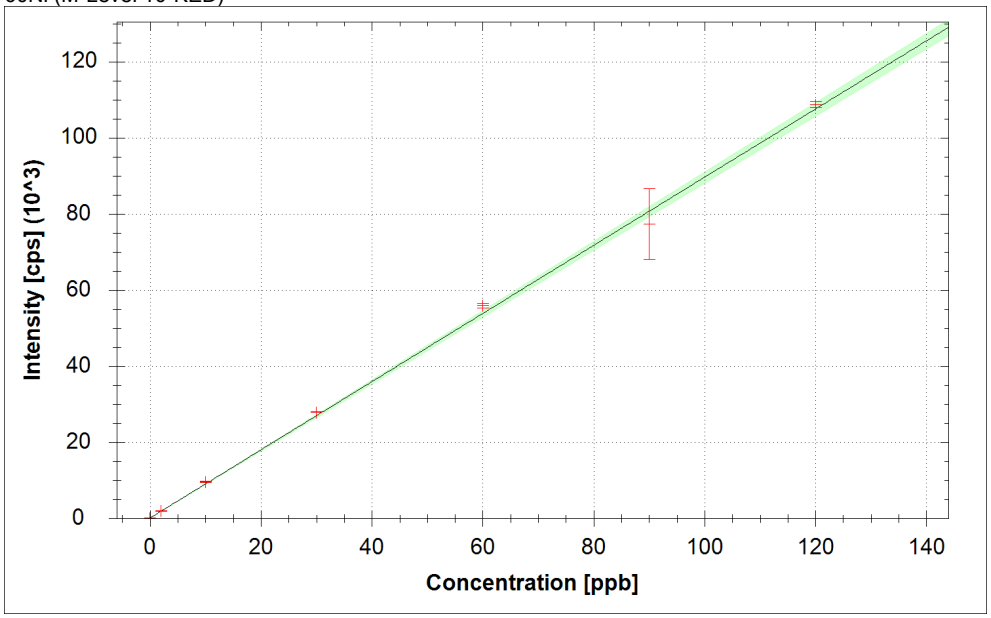
f(x) = 45.4780*x + 59.0328
R² = 0.9986
BEC = 1.298 ppb
LoD = 0.2753 ppb

59Co (M-Level 10-KED)



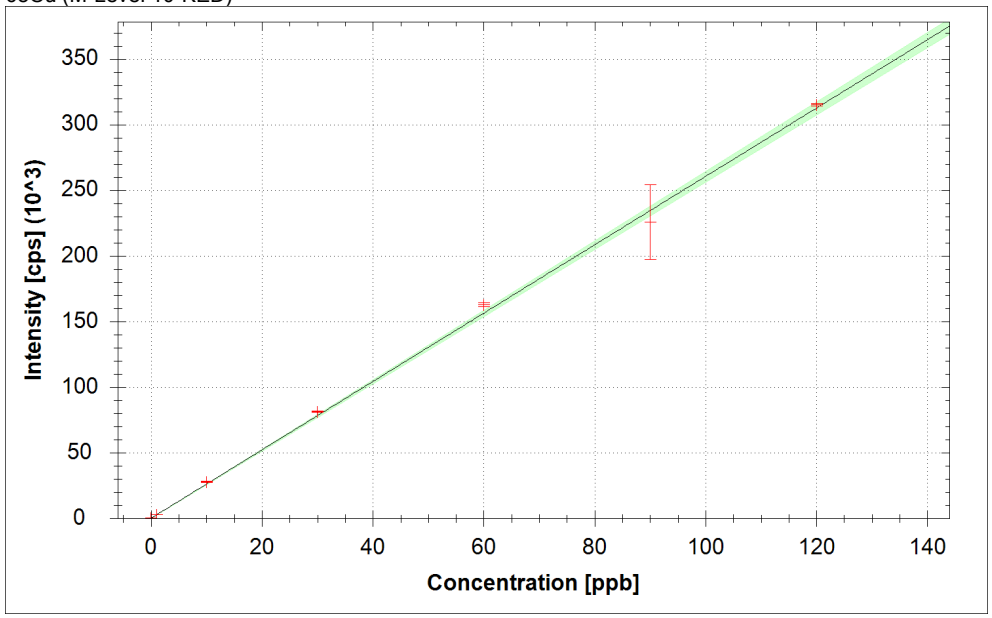
f(x) = 3411.0741*x + 22.3759
R² = 0.9986
BEC = 0.007 ppb
LoD = 0.0050 ppb

60Ni (M-Level 10-KED)



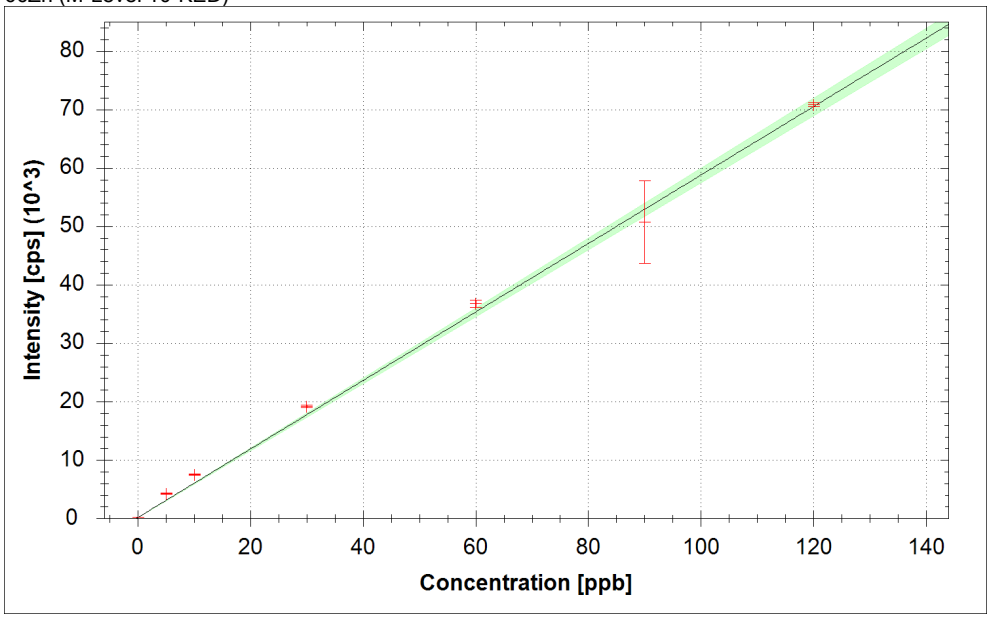
f(x) = 895.4400*x + 119.2532
R² = 0.9983
BEC = 0.133 ppb
LoD = 0.0358 ppb

63Cu (M-Level 10-KED)



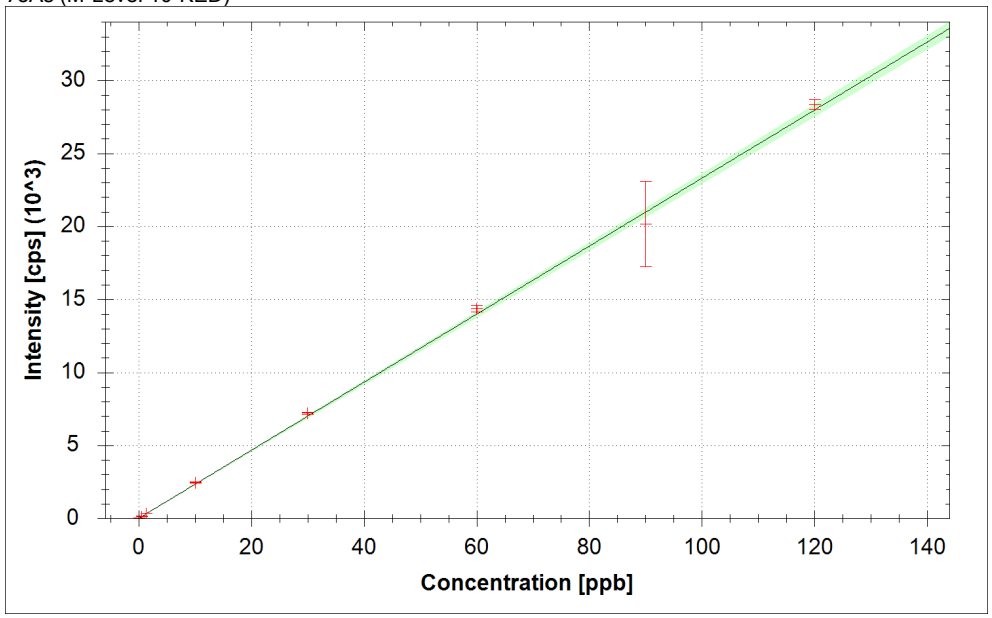
f(x) = 2604.1939*x + 163.9924
R² = 0.9985
BEC = 0.063 ppb
LoD = 0.0109 ppb

66Zn (M-Level 10-KED)



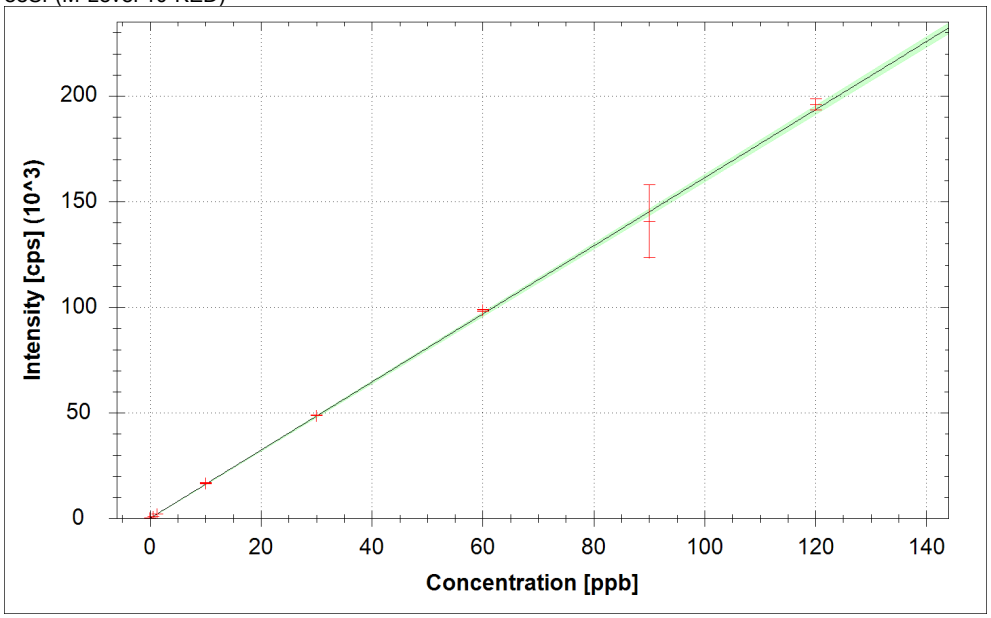
f(x) = 585.8892*x + 167.3543
R² = 0.9971
BEC = 0.286 ppb
LoD = 0.0605 ppb

75As (M-Level 10-KED)



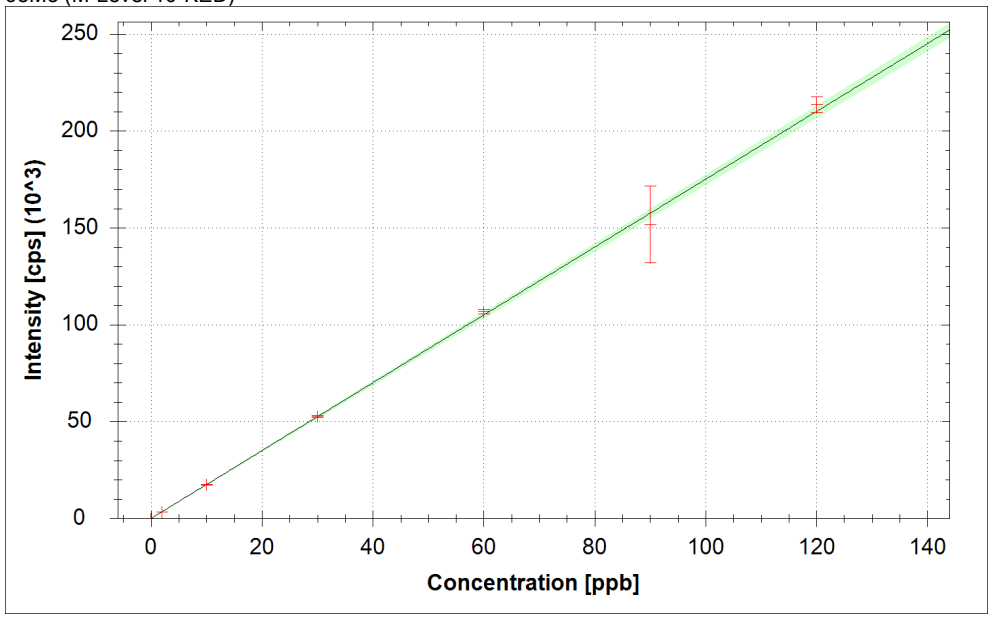
f(x) = 232.8511*x + 16.3345
R² = 0.9987
BEC = 0.070 ppb
LoD = 0.0077 ppb

88Sr (M-Level 10-KED)



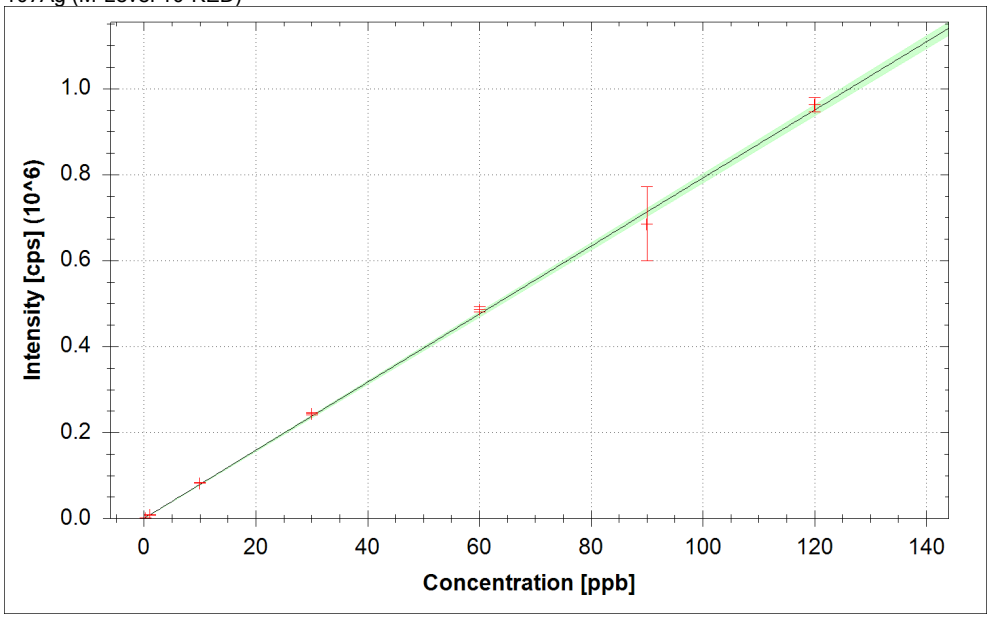
f(x) = 1611.4884*x + 68.7095
R² = 0.9992
BEC = 0.043 ppb
LoD = 0.0195 ppb

95Mo (M-Level 10-KED)



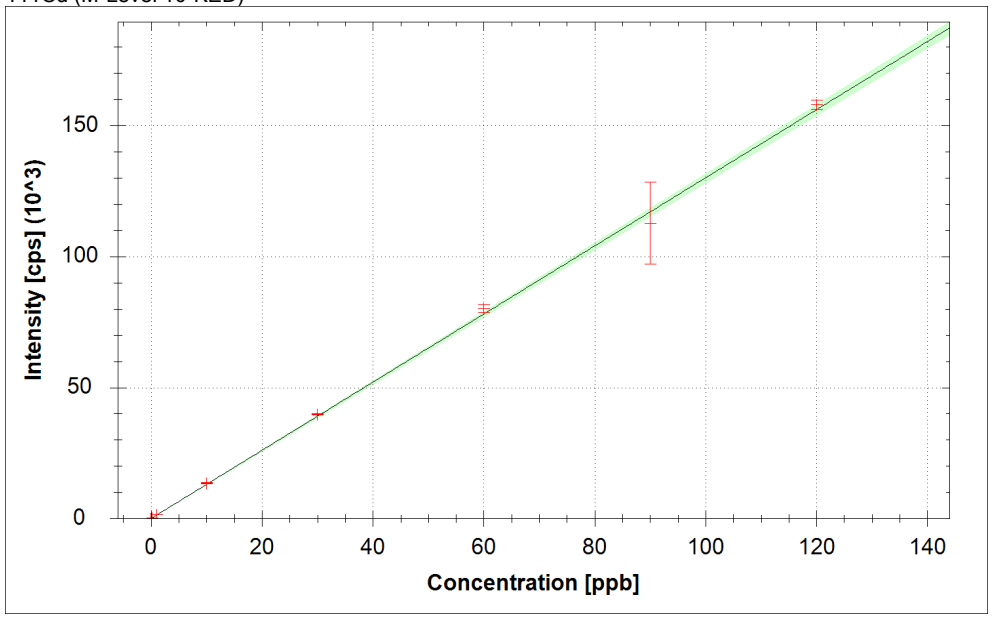
f(x) = 1749.9349*x + 9.3319
R² = 0.9988
BEC = 0.005 ppb
LoD = 0.0039 ppb

107Ag (M-Level 10-KED)



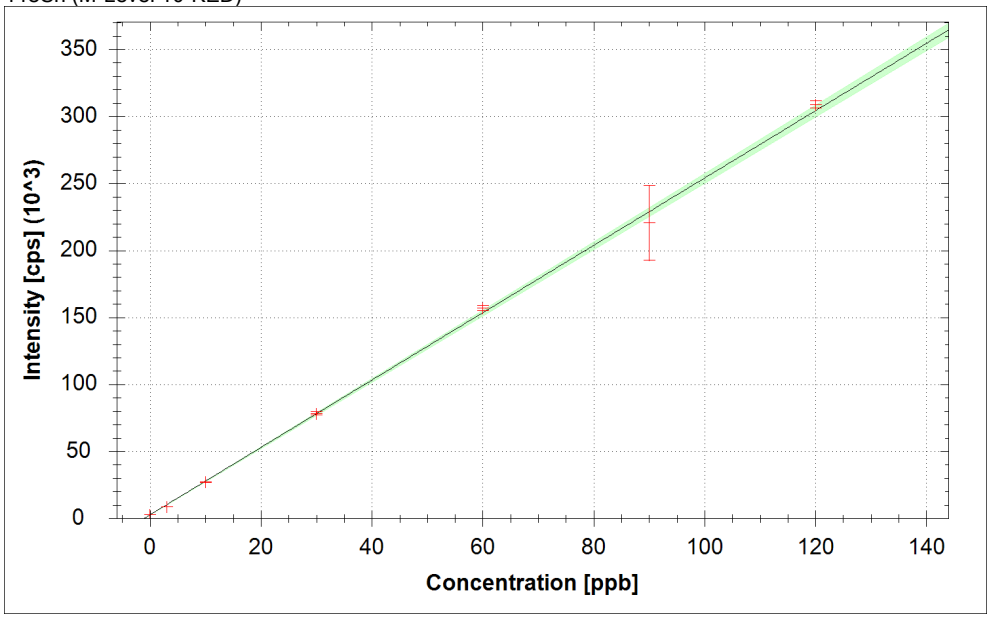
f(x) = 7915.2502*x + 31.0044
R² = 0.9988
BEC = 0.004 ppb
LoD = 0.0013 ppb

111Cd (M-Level 10-KED)



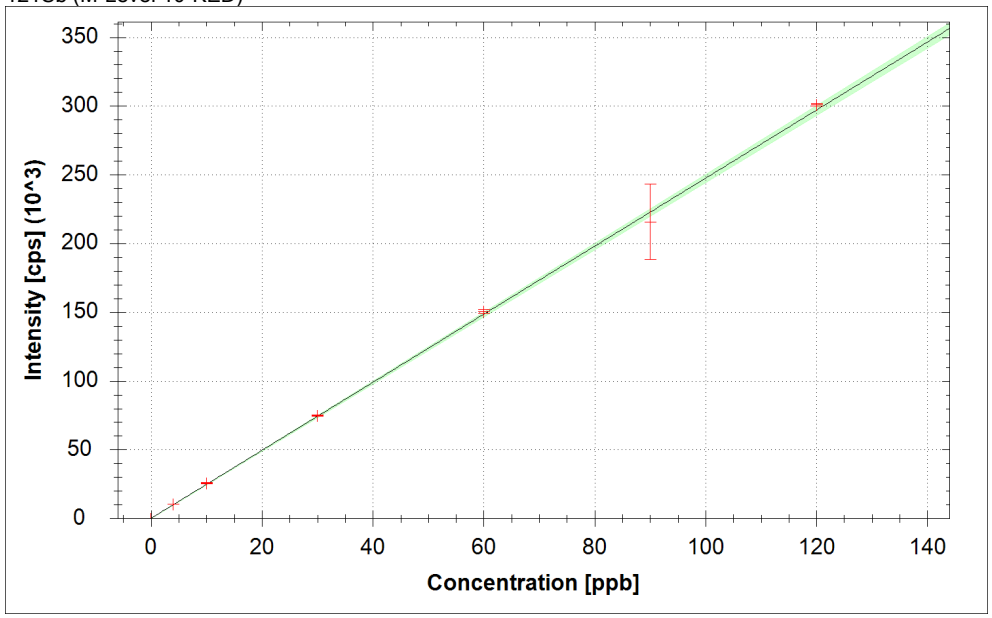
f(x) = 1300.0510*x + 0.6654
R² = 0.9989
BEC = 0.001 ppb
LoD = 0.0013 ppb

118Sn (M-Level 10-KED)



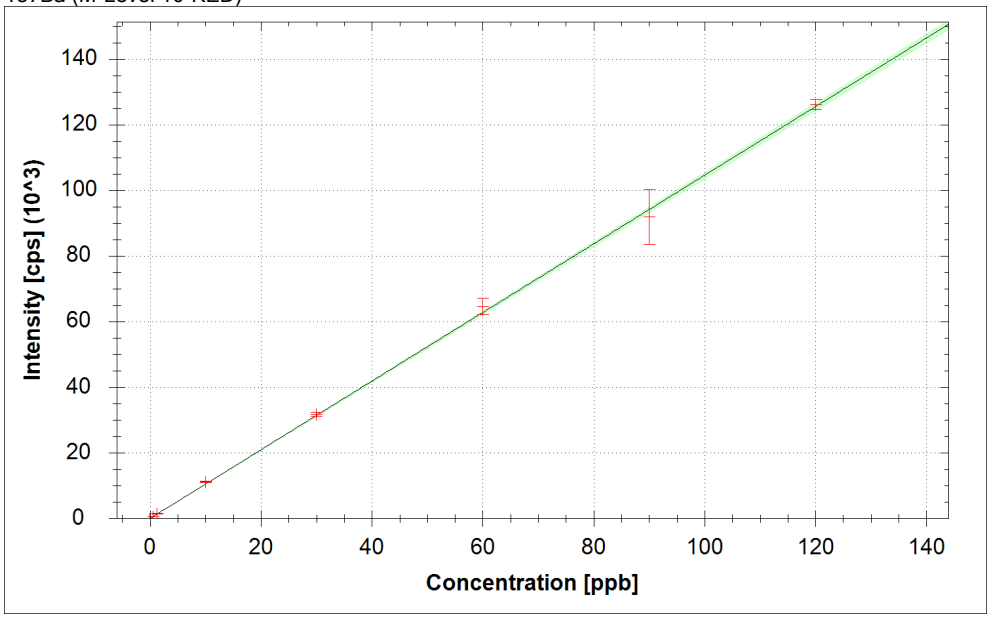
f(x) = 2511.8756*x + 2754.3610
R² = 0.9987
BEC = 1.097 ppb
LoD = 0.0326 ppb

121Sb (M-Level 10-KED)



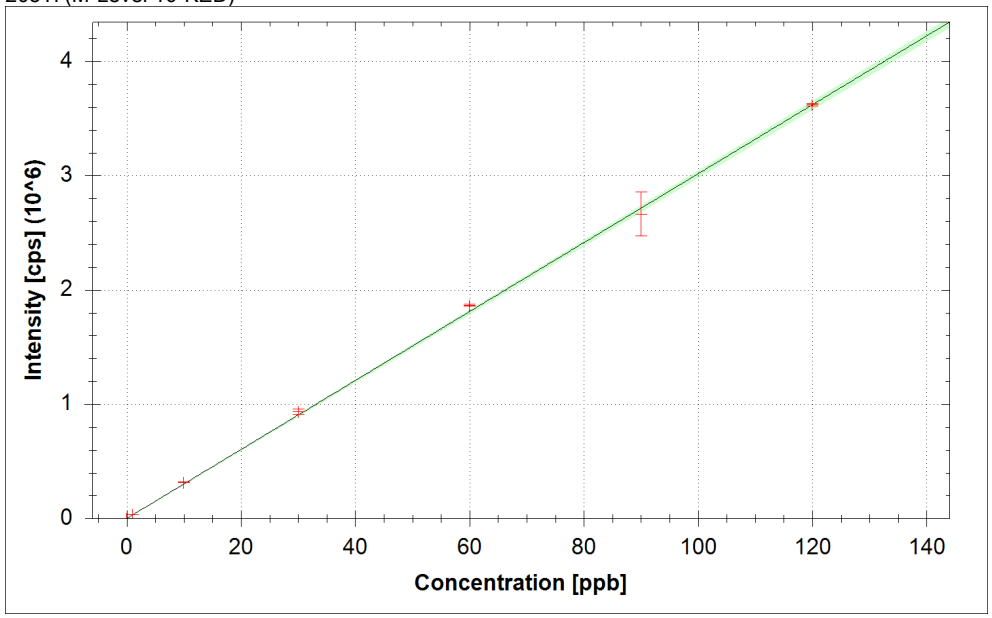
f(x) = 2474.2527*x + 55.3357
R² = 0.9991
BEC = 0.022 ppb
LoD = 0.0174 ppb

137Ba (M-Level 10-KED)



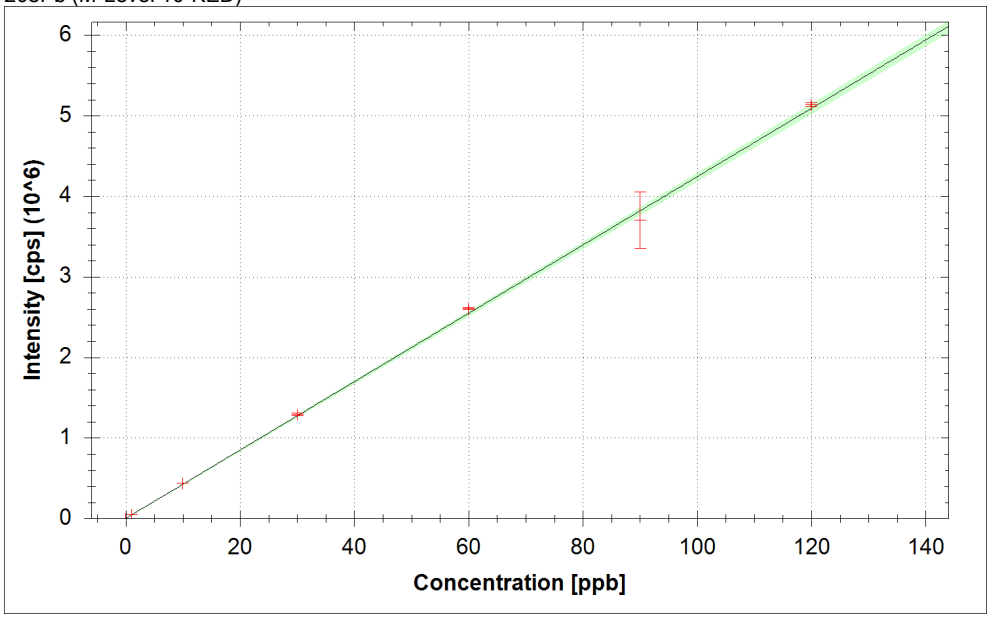
f(x) = 1045.3934*x + 15.3792
R² = 0.9994
BEC = 0.015 ppb
LoD = 0.0124 ppb

205Tl (M-Level 10-KED)



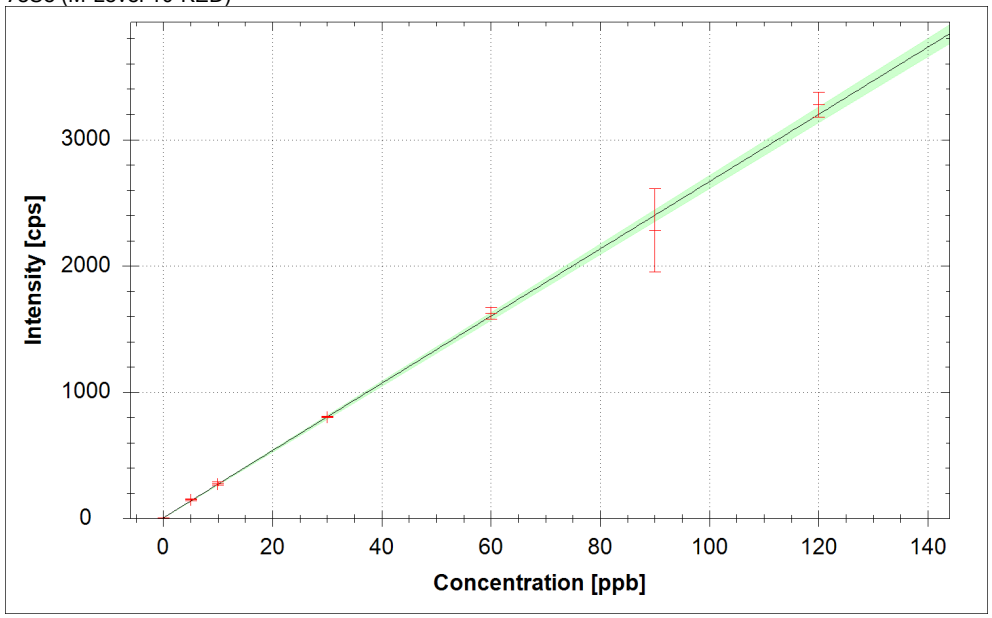
f(x) = 30155.5810*x + 39.3454
R² = 0.9994
BEC = 0.001 ppb
LoD = 0.0009 ppb

208Pb (M-Level 10-KED)



f(x) = 42412.8317*x + 466.3724
R² = 0.9992
BEC = 0.011 ppb
LoD = 0.0013 ppb

78Se (M-Level 10-KED)



f(x) = 26.6117*x + 4.7061
R² = 0.9977
BEC = 0.177 ppb
LoD = 0.1288 ppb

Standards:

Analysis Index: 3
Analysis Name: 0.2/20 Cal Plus Std 1
Analysis Type: STD
Analysis Started at: 12/8/2025 1:41:28 PM
Total Dilution Factor 1

Category	Concentration average	Concentration RSD	Standard Concentration	Standard Relative Difference
6Li (M-Level 10-None)	99.956 %	1.6 %		0.000 %
6Li (M-Level 10-KED)	104.071 %	2.0 %		0.000 %
9Be (M-Level 10-None)	0.201 ppb	2.6 %	0.200 ppb	0.559 %
11B (M-Level 10-None)	**N/A**	**N/A**	**N/A**	**N/A**
23Na (M-Level 10-KED)	**N/A**	**N/A**	**N/A**	**N/A**
24Mg (M-Level 10-KED)	72.585 ppb	1.3 %	70.000 ppb	3.693 %
27Al (M-Level 10-KED)	**N/A**	**N/A**	**N/A**	**N/A**
39K (M-Level 10-KED)	106.721 ppb	0.3 %	100.000 ppb	6.721 %
44Ca (M-Level 10-KED)	97.252 ppb	2.7 %	100.000 ppb	2.748 %
45Sc (M-Level 10-None)	98.796 %	1.4 %		0.000 %
45Sc (M-Level 10-KED)	106.504 %	0.4 %		0.000 %
51V (M-Level 10-KED)	**N/A**	**N/A**	**N/A**	**N/A**
52Cr (M-Level 10-KED)	**N/A**	**N/A**	**N/A**	**N/A**
55Mn (M-Level 10-KED)	**N/A**	**N/A**	**N/A**	**N/A**
57Fe (M-Level 10-KED)	51.747 ppb	1.7 %	50.000 ppb	3.494 %
59Co (M-Level 10-KED)	0.527 ppb	0.5 %	0.500 ppb	5.338 %
60Ni (M-Level 10-KED)	**N/A**	**N/A**	**N/A**	**N/A**
63Cu (M-Level 10-KED)	**N/A**	**N/A**	**N/A**	**N/A**
66Zn (M-Level 10-KED)	**N/A**	**N/A**	**N/A**	**N/A**
74Ge (M-Level 10-None)	97.326 %	1.1 %		0.000 %
74Ge (M-Level 10-KED)	104.819 %	1.8 %		0.000 %
75As (M-Level 10-KED)	0.514 ppb	9.6 %	0.500 ppb	2.703 %
78Se (M-Level 10-KED)	**N/A**	**N/A**	**N/A**	**N/A**
88Sr (M-Level 10-KED)	0.508 ppb	6.2 %	0.500 ppb	1.589 %
95Mo (M-Level 10-KED)	**N/A**	**N/A**	**N/A**	**N/A**
103Rh (M-Level 10-None)	97.480 %	0.5 %		0.000 %
103Rh (M-Level 10-KED)	104.809 %	0.1 %		0.000 %
107Ag (M-Level 10-KED)	0.205 ppb	3.7 %	0.200 ppb	2.601 %
111Cd (M-Level 10-KED)	0.201 ppb	2.1 %	0.200 ppb	0.518 %
115In (M-Level 10-None)	100.903 %	6.6 %		0.000 %
115In (M-Level 10-KED)	106.550 %	1.0 %		0.000 %
118Sn (M-Level 10-KED)	**N/A**	**N/A**	**N/A**	**N/A**
121Sb (M-Level 10-KED)	**N/A**	**N/A**	**N/A**	**N/A**
137Ba (M-Level 10-KED)	0.552 ppb	4.3 %	0.500 ppb	10.403 %
159Tb (M-Level 10-None)	96.709 %	1.1 %		0.000 %
159Tb (M-Level 10-KED)	101.892 %	1.6 %		0.000 %
175Lu (M-Level 10-None)	97.005 %	1.1 %		0.000 %
175Lu (M-Level 10-KED)	104.901 %	0.8 %		0.000 %
205Tl (M-Level 10-KED)	**N/A**	**N/A**	**N/A**	**N/A**
208Pb (M-Level 10-KED)	**N/A**	**N/A**	**N/A**	**N/A**
209Bi (M-Level 10-None)	97.373 %	0.2 %		0.000 %
209Bi (M-Level 10-KED)	101.584 %	2.5 %		0.000 %

Standards:

Analysis Index: 4
Analysis Name: 1/100 Cal Plus Std 2
Analysis Type: STD
Analysis Started at: 12/8/2025 1:47:03 PM
Total Dilution Factor 1

Category	Concentration average	Concentration RSD	Standard Concentration	Standard Relative Difference
6Li (M-Level 10-None)	100.354 %	0.9 %		0.000 %
6Li (M-Level 10-KED)	103.742 %	0.9 %		0.000 %
9Be (M-Level 10-None)	1.033 ppb	1.5 %	1.000 ppb	3.308 %
11B (M-Level 10-None)	9.825 ppb	1.0 %	10.000 ppb	1.747 %
23Na (M-Level 10-KED)	520.180 ppb	1.7 %	500.000 ppb	4.036 %
24Mg (M-Level 10-KED)	152.238 ppb	3.8 %	150.000 ppb	1.492 %
27Al (M-Level 10-KED)	9.647 ppb	6.5 %	10.000 ppb	3.530 %
39K (M-Level 10-KED)	193.802 ppb	3.1 %	180.000 ppb	7.668 %
44Ca (M-Level 10-KED)	191.189 ppb	4.1 %	180.000 ppb	6.216 %
45Sc (M-Level 10-None)	100.243 %	0.5 %		0.000 %
45Sc (M-Level 10-KED)	103.421 %	0.0 %		0.000 %
51V (M-Level 10-KED)	5.075 ppb	1.0 %	5.000 ppb	1.507 %
52Cr (M-Level 10-KED)	1.056 ppb	2.4 %	1.000 ppb	5.615 %
55Mn (M-Level 10-KED)	1.053 ppb	2.0 %	1.000 ppb	5.261 %
57Fe (M-Level 10-KED)	135.638 ppb	2.0 %	130.000 ppb	4.337 %
59Co (M-Level 10-KED)	1.353 ppb	2.0 %	1.300 ppb	4.041 %
60Ni (M-Level 10-KED)	2.044 ppb	1.0 %	2.000 ppb	2.199 %
63Cu (M-Level 10-KED)	1.089 ppb	1.6 %	1.000 ppb	8.912 %
66Zn (M-Level 10-KED)	6.997 ppb	2.2 %	5.000 ppb	39.943 %
74Ge (M-Level 10-None)	99.576 %	0.2 %		0.000 %
74Ge (M-Level 10-KED)	102.552 %	0.5 %		0.000 %
75As (M-Level 10-KED)	1.441 ppb	3.8 %	1.300 ppb	10.822 %
78Se (M-Level 10-KED)	5.349 ppb	5.1 %	5.000 ppb	6.977 %
88Sr (M-Level 10-KED)	1.281 ppb	5.0 %	1.300 ppb	1.449 %
95Mo (M-Level 10-KED)	1.933 ppb	0.3 %	2.000 ppb	3.325 %
103Rh (M-Level 10-None)	99.096 %	1.1 %		0.000 %
103Rh (M-Level 10-KED)	102.022 %	0.1 %		0.000 %
107Ag (M-Level 10-KED)	1.019 ppb	2.1 %	1.000 ppb	1.936 %
111Cd (M-Level 10-KED)	1.022 ppb	1.8 %	1.000 ppb	2.250 %
115In (M-Level 10-None)	98.248 %	5.8 %		0.000 %
115In (M-Level 10-KED)	102.985 %	0.0 %		0.000 %
118Sn (M-Level 10-KED)	2.365 ppb	0.6 %	3.000 ppb	21.154 %
121Sb (M-Level 10-KED)	4.124 ppb	1.3 %	4.000 ppb	3.111 %
137Ba (M-Level 10-KED)	1.384 ppb	3.6 %	1.300 ppb	6.446 %
159Tb (M-Level 10-None)	97.368 %	1.4 %		0.000 %
159Tb (M-Level 10-KED)	101.643 %	4.5 %		0.000 %
175Lu (M-Level 10-None)	98.182 %	0.9 %		0.000 %
175Lu (M-Level 10-KED)	101.403 %	0.4 %		0.000 %
205Tl (M-Level 10-KED)	1.032 ppb	1.9 %	1.000 ppb	3.159 %
208Pb (M-Level 10-KED)	1.024 ppb	0.8 %	1.000 ppb	2.439 %
209Bi (M-Level 10-None)	98.404 %	1.0 %		0.000 %
209Bi (M-Level 10-KED)	100.146 %	0.5 %		0.000 %

Standards:

Analysis Index: 5
Analysis Name: 10/1000 Cal Plus Std 3
Analysis Type: STD
Analysis Started at: 12/8/2025 1:52:38 PM
Total Dilution Factor 1

Category	Concentration average	Concentration RSD	Standard Concentration	Standard Relative Difference
6Li (M-Level 10-None)	98.710 %	1.0 %		0.000 %
6Li (M-Level 10-KED)	100.963 %	2.7 %		0.000 %
9Be (M-Level 10-None)	10.217 ppb	1.0 %	10.000 ppb	2.169 %
11B (M-Level 10-None)	18.619 ppb	1.3 %	19.000 ppb	2.003 %
23Na (M-Level 10-KED)	1,069.757 ppb	2.5 %	1,000.000 ppb	6.976 %
24Mg (M-Level 10-KED)	1,060.218 ppb	3.1 %	1,000.000 ppb	6.022 %
27Al (M-Level 10-KED)	19.409 ppb	4.5 %	19.000 ppb	2.153 %
39K (M-Level 10-KED)	1,069.527 ppb	0.5 %	1,000.000 ppb	6.953 %
44Ca (M-Level 10-KED)	1,029.626 ppb	0.9 %	1,000.000 ppb	2.963 %
45Sc (M-Level 10-None)	97.094 %	0.7 %		0.000 %
45Sc (M-Level 10-KED)	104.429 %	1.3 %		0.000 %
51V (M-Level 10-KED)	10.186 ppb	1.8 %	10.000 ppb	1.858 %
52Cr (M-Level 10-KED)	10.584 ppb	2.0 %	10.000 ppb	5.836 %
55Mn (M-Level 10-KED)	10.498 ppb	1.7 %	10.000 ppb	4.982 %
57Fe (M-Level 10-KED)	1,059.067 ppb	1.7 %	1,000.000 ppb	5.907 %
59Co (M-Level 10-KED)	10.517 ppb	1.0 %	10.000 ppb	5.172 %
60Ni (M-Level 10-KED)	10.606 ppb	2.5 %	10.000 ppb	6.057 %
63Cu (M-Level 10-KED)	10.576 ppb	1.8 %	10.000 ppb	5.758 %
66Zn (M-Level 10-KED)	12.514 ppb	1.9 %	10.000 ppb	25.141 %
74Ge (M-Level 10-None)	95.947 %	0.6 %		0.000 %
74Ge (M-Level 10-KED)	102.442 %	0.4 %		0.000 %
75As (M-Level 10-KED)	10.481 ppb	2.4 %	10.000 ppb	4.810 %
78Se (M-Level 10-KED)	10.160 ppb	5.3 %	10.000 ppb	1.596 %
88Sr (M-Level 10-KED)	10.303 ppb	1.7 %	10.000 ppb	3.028 %
95Mo (M-Level 10-KED)	9.917 ppb	1.2 %	10.000 ppb	0.831 %
103Rh (M-Level 10-None)	96.020 %	0.5 %		0.000 %
103Rh (M-Level 10-KED)	101.858 %	1.1 %		0.000 %
107Ag (M-Level 10-KED)	10.441 ppb	0.7 %	10.000 ppb	4.409 %
111Cd (M-Level 10-KED)	10.432 ppb	1.8 %	10.000 ppb	4.321 %
115In (M-Level 10-None)	93.146 %	0.8 %		0.000 %
115In (M-Level 10-KED)	103.954 %	1.0 %		0.000 %
118Sn (M-Level 10-KED)	9.668 ppb	0.3 %	10.000 ppb	3.316 %
121Sb (M-Level 10-KED)	10.245 ppb	1.9 %	10.000 ppb	2.454 %
137Ba (M-Level 10-KED)	10.663 ppb	1.8 %	10.000 ppb	6.633 %
159Tb (M-Level 10-None)	96.124 %	0.9 %		0.000 %
159Tb (M-Level 10-KED)	99.507 %	0.7 %		0.000 %
175Lu (M-Level 10-None)	95.957 %	0.7 %		0.000 %
175Lu (M-Level 10-KED)	102.694 %	0.4 %		0.000 %
205Tl (M-Level 10-KED)	10.467 ppb	0.4 %	10.000 ppb	4.674 %
208Pb (M-Level 10-KED)	10.342 ppb	0.3 %	10.000 ppb	3.423 %
209Bi (M-Level 10-None)	96.103 %	0.6 %		0.000 %
209Bi (M-Level 10-KED)	100.185 %	0.2 %		0.000 %

Standards:

Analysis Index:	6
Analysis Name:	30/3000 Cal
Analysis Type:	STD
Analysis Started at:	12/8/2025 1:58:13 PM
Total Dilution Factor	333.33333333

Standards:

Analysis Index: 7
Analysis Name: 60/6000 Cal
Analysis Type: STD
Analysis Started at: 12/8/2025 2:03:48 PM
Total Dilution Factor 166.66666666

Category	Concentration average	Concentration RSD	Standard Concentration	Standard Relative Difference
6Li (M-Level 10-None)	95.160 %	0.7 %		0.000 %
6Li (M-Level 10-KED)	96.140 %	1.4 %		0.000 %
9Be (M-Level 10-None)	60.163 ppb	1.9 %	60.000 ppb	0.272 %
11B (M-Level 10-None)	60.085 ppb	0.9 %	60.000 ppb	0.142 %
23Na (M-Level 10-KED)	6,275.860 ppb	1.1 %	6,000.000 ppb	4.598 %
24Mg (M-Level 10-KED)	6,280.659 ppb	2.8 %	6,000.000 ppb	4.678 %
27Al (M-Level 10-KED)	61.294 ppb	1.6 %	60.000 ppb	2.156 %
39K (M-Level 10-KED)	6,283.689 ppb	0.9 %	6,000.000 ppb	4.728 %
44Ca (M-Level 10-KED)	6,226.784 ppb	3.1 %	6,000.000 ppb	3.780 %
45Sc (M-Level 10-None)	95.841 %	0.6 %		0.000 %
45Sc (M-Level 10-KED)	99.170 %	0.9 %		0.000 %
51V (M-Level 10-KED)	62.160 ppb	2.2 %	60.000 ppb	3.601 %
52Cr (M-Level 10-KED)	61.961 ppb	1.4 %	60.000 ppb	3.269 %
55Mn (M-Level 10-KED)	61.079 ppb	2.0 %	60.000 ppb	1.798 %
57Fe (M-Level 10-KED)	6,235.834 ppb	1.0 %	6,000.000 ppb	3.931 %
59Co (M-Level 10-KED)	61.969 ppb	1.4 %	60.000 ppb	3.281 %
60Ni (M-Level 10-KED)	62.285 ppb	1.1 %	60.000 ppb	3.808 %
63Cu (M-Level 10-KED)	62.445 ppb	1.0 %	60.000 ppb	4.074 %
66Zn (M-Level 10-KED)	62.456 ppb	1.6 %	60.000 ppb	4.094 %
74Ge (M-Level 10-None)	94.836 %	1.1 %		0.000 %
74Ge (M-Level 10-KED)	99.021 %	0.1 %		0.000 %
75As (M-Level 10-KED)	61.576 ppb	1.7 %	60.000 ppb	2.626 %
78Se (M-Level 10-KED)	60.832 ppb	2.8 %	60.000 ppb	1.387 %
88Sr (M-Level 10-KED)	61.070 ppb	0.5 %	60.000 ppb	1.784 %
95Mo (M-Level 10-KED)	60.967 ppb	1.2 %	60.000 ppb	1.612 %
103Rh (M-Level 10-None)	95.289 %	0.8 %		0.000 %
103Rh (M-Level 10-KED)	96.740 %	1.1 %		0.000 %
107Ag (M-Level 10-KED)	61.517 ppb	1.3 %	60.000 ppb	2.528 %
111Cd (M-Level 10-KED)	61.599 ppb	1.8 %	60.000 ppb	2.665 %
115In (M-Level 10-None)	102.216 %	0.2 %		0.000 %
115In (M-Level 10-KED)	100.023 %	0.5 %		0.000 %
118Sn (M-Level 10-KED)	61.414 ppb	1.3 %	60.000 ppb	2.357 %
121Sb (M-Level 10-KED)	60.889 ppb	1.0 %	60.000 ppb	1.482 %
137Ba (M-Level 10-KED)	61.761 ppb	4.0 %	60.000 ppb	2.936 %
159Tb (M-Level 10-None)	96.567 %	0.3 %		0.000 %
159Tb (M-Level 10-KED)	103.528 %	5.5 %		0.000 %
175Lu (M-Level 10-None)	98.187 %	0.3 %		0.000 %
175Lu (M-Level 10-KED)	101.711 %	0.6 %		0.000 %
205Tl (M-Level 10-KED)	61.867 ppb	0.5 %	60.000 ppb	3.111 %
208Pb (M-Level 10-KED)	61.464 ppb	0.6 %	60.000 ppb	2.439 %
209Bi (M-Level 10-None)	96.566 %	0.2 %		0.000 %
209Bi (M-Level 10-KED)	96.758 %	0.4 %		0.000 %

Standards:

Analysis Index: 8
Analysis Name: 90/9000 Cal
Analysis Type: STD
Analysis Started at: 12/8/2025 2:09:23 PM
Total Dilution Factor 111.11111111

Category	Concentration average	Concentration RSD	Standard Concentration	Standard Relative Difference
6Li (M-Level 10-None)	92.004 %	0.7 %		0.000 %
6Li (M-Level 10-KED)	98.277 %	7.1 %		0.000 %
9Be (M-Level 10-None)	90.414 ppb	0.5 %	90.000 ppb	0.460 %
11B (M-Level 10-None)	89.962 ppb	1.4 %	90.000 ppb	0.042 %
23Na (M-Level 10-KED)	8,556.579 ppb	17.3 %	9,000.000 ppb	4.927 %
24Mg (M-Level 10-KED)	8,592.775 ppb	16.4 %	9,000.000 ppb	4.525 %
27Al (M-Level 10-KED)	88.261 ppb	19.1 %	90.000 ppb	1.933 %
39K (M-Level 10-KED)	8,564.922 ppb	14.6 %	9,000.000 ppb	4.834 %
44Ca (M-Level 10-KED)	8,662.653 ppb	15.4 %	9,000.000 ppb	3.748 %
45Sc (M-Level 10-None)	92.831 %	0.5 %		0.000 %
45Sc (M-Level 10-KED)	101.066 %	2.4 %		0.000 %
51V (M-Level 10-KED)	86.155 ppb	12.6 %	90.000 ppb	4.272 %
52Cr (M-Level 10-KED)	86.056 ppb	13.4 %	90.000 ppb	4.382 %
55Mn (M-Level 10-KED)	86.834 ppb	13.0 %	90.000 ppb	3.517 %
57Fe (M-Level 10-KED)	8,657.133 ppb	12.5 %	9,000.000 ppb	3.810 %
59Co (M-Level 10-KED)	86.279 ppb	12.2 %	90.000 ppb	4.134 %
60Ni (M-Level 10-KED)	86.317 ppb	12.0 %	90.000 ppb	4.092 %
63Cu (M-Level 10-KED)	86.581 ppb	12.6 %	90.000 ppb	3.798 %
66Zn (M-Level 10-KED)	86.335 ppb	14.0 %	90.000 ppb	4.073 %
74Ge (M-Level 10-None)	92.034 %	0.8 %		0.000 %
74Ge (M-Level 10-KED)	98.685 %	3.0 %		0.000 %
75As (M-Level 10-KED)	86.414 ppb	14.5 %	90.000 ppb	3.985 %
78Se (M-Level 10-KED)	85.493 ppb	14.5 %	90.000 ppb	5.008 %
88Sr (M-Level 10-KED)	87.184 ppb	12.3 %	90.000 ppb	3.129 %
95Mo (M-Level 10-KED)	86.660 ppb	13.1 %	90.000 ppb	3.711 %
103Rh (M-Level 10-None)	90.879 %	0.9 %		0.000 %
103Rh (M-Level 10-KED)	96.726 %	3.3 %		0.000 %
107Ag (M-Level 10-KED)	86.565 ppb	12.5 %	90.000 ppb	3.816 %
111Cd (M-Level 10-KED)	86.693 ppb	13.9 %	90.000 ppb	3.675 %
115In (M-Level 10-None)	98.951 %	0.6 %		0.000 %
115In (M-Level 10-KED)	99.943 %	4.2 %		0.000 %
118Sn (M-Level 10-KED)	86.645 ppb	12.8 %	90.000 ppb	3.728 %
121Sb (M-Level 10-KED)	87.133 ppb	12.7 %	90.000 ppb	3.185 %
137Ba (M-Level 10-KED)	87.872 ppb	9.1 %	90.000 ppb	2.364 %
159Tb (M-Level 10-None)	94.034 %	0.8 %		0.000 %
159Tb (M-Level 10-KED)	104.794 %	1.5 %		0.000 %
175Lu (M-Level 10-None)	94.255 %	0.7 %		0.000 %
175Lu (M-Level 10-KED)	102.313 %	5.5 %		0.000 %
205Tl (M-Level 10-KED)	88.289 ppb	7.2 %	90.000 ppb	1.901 %
208Pb (M-Level 10-KED)	87.355 ppb	9.4 %	90.000 ppb	2.938 %
209Bi (M-Level 10-None)	91.732 %	0.8 %		0.000 %
209Bi (M-Level 10-KED)	96.084 %	1.0 %		0.000 %

Standards:

Analysis Index:	9
Analysis Name:	120/12000 Cal
Analysis Type:	STD
Analysis Started at:	12/8/2025 2:14:58 PM
Total Dilution Factor	83.33333333

Standards:

Analysis Index: 10
Analysis Name: 30/3000 Cal
Analysis Type: STD
Analysis Started at: 12/8/2025 2:27:42 PM
Total Dilution Factor 333.33333333

Category	Concentration average	Concentration RSD	Standard Concentration	Standard Relative Difference
6Li (M-Level 10-None)	92.110 %	0.4 %		0.000 %
6Li (M-Level 10-KED)	94.332 %	0.4 %		0.000 %
9Be (M-Level 10-None)	29.711 ppb	0.5 %	30.000 ppb	0.962 %
11B (M-Level 10-None)	29.874 ppb	1.6 %	30.000 ppb	0.421 %
23Na (M-Level 10-KED)	3,055.251 ppb	1.4 %	3,000.000 ppb	1.842 %
24Mg (M-Level 10-KED)	3,098.479 ppb	1.9 %	3,000.000 ppb	3.283 %
27Al (M-Level 10-KED)	30.012 ppb	3.0 %	30.000 ppb	0.038 %
39K (M-Level 10-KED)	3,045.769 ppb	2.3 %	3,000.000 ppb	1.526 %
44Ca (M-Level 10-KED)	3,069.656 ppb	0.7 %	3,000.000 ppb	2.322 %
45Sc (M-Level 10-None)	94.002 %	0.8 %		0.000 %
45Sc (M-Level 10-KED)	96.453 %	1.8 %		0.000 %
51V (M-Level 10-KED)	30.656 ppb	0.8 %	30.000 ppb	2.185 %
52Cr (M-Level 10-KED)	30.884 ppb	0.9 %	30.000 ppb	2.947 %
55Mn (M-Level 10-KED)	30.287 ppb	0.4 %	30.000 ppb	0.957 %
57Fe (M-Level 10-KED)	3,117.975 ppb	0.8 %	3,000.000 ppb	3.933 %
59Co (M-Level 10-KED)	31.053 ppb	1.7 %	30.000 ppb	3.510 %
60Ni (M-Level 10-KED)	31.058 ppb	0.4 %	30.000 ppb	3.528 %
63Cu (M-Level 10-KED)	31.097 ppb	0.7 %	30.000 ppb	3.658 %
66Zn (M-Level 10-KED)	32.500 ppb	1.2 %	30.000 ppb	8.333 %
74Ge (M-Level 10-None)	93.780 %	1.2 %		0.000 %
74Ge (M-Level 10-KED)	96.326 %	2.4 %		0.000 %
75As (M-Level 10-KED)	30.913 ppb	1.0 %	30.000 ppb	3.043 %
78Se (M-Level 10-KED)	30.001 ppb	0.8 %	30.000 ppb	0.004 %
88Sr (M-Level 10-KED)	30.209 ppb	0.4 %	30.000 ppb	0.696 %
95Mo (M-Level 10-KED)	30.022 ppb	0.9 %	30.000 ppb	0.073 %
103Rh (M-Level 10-None)	94.792 %	0.4 %		0.000 %
103Rh (M-Level 10-KED)	96.880 %	1.1 %		0.000 %
107Ag (M-Level 10-KED)	30.737 ppb	1.2 %	30.000 ppb	2.458 %
111Cd (M-Level 10-KED)	30.541 ppb	0.4 %	30.000 ppb	1.803 %
115In (M-Level 10-None)	98.898 %	6.1 %		0.000 %
115In (M-Level 10-KED)	98.573 %	1.3 %		0.000 %
118Sn (M-Level 10-KED)	30.107 ppb	1.7 %	30.000 ppb	0.357 %
121Sb (M-Level 10-KED)	30.228 ppb	0.8 %	30.000 ppb	0.761 %
137Ba (M-Level 10-KED)	30.260 ppb	2.0 %	30.000 ppb	0.867 %
159Tb (M-Level 10-None)	95.434 %	0.3 %		0.000 %
159Tb (M-Level 10-KED)	101.994 %	4.2 %		0.000 %
175Lu (M-Level 10-None)	96.471 %	0.6 %		0.000 %
175Lu (M-Level 10-KED)	98.789 %	0.6 %		0.000 %
205Tl (M-Level 10-KED)	30.988 ppb	2.6 %	30.000 ppb	3.294 %
208Pb (M-Level 10-KED)	30.451 ppb	1.5 %	30.000 ppb	1.503 %
209Bi (M-Level 10-None)	95.427 %	0.6 %		0.000 %
209Bi (M-Level 10-KED)	96.225 %	1.3 %		0.000 %

Standards:

Analysis Index: 11
Analysis Name: 120/12000 Cal
Analysis Type: STD
Analysis Started at: 12/8/2025 2:33:17 PM
Total Dilution Factor 83.33333333

Category	Concentration average	Concentration RSD	Standard Concentration	Standard Relative Difference
6Li (M-Level 10-None)	92.680 %	0.6 %		0.000 %
6Li (M-Level 10-KED)	91.663 %	1.9 %		0.000 %
9Be (M-Level 10-None)	119.662 ppb	0.8 %	120.000 ppb	0.282 %
11B (M-Level 10-None)	120.092 ppb	0.7 %	120.000 ppb	0.077 %
23Na (M-Level 10-KED)	12,174.169 ppb	0.9 %	12,000.000 ppb	1.451 %
24Mg (M-Level 10-KED)	12,135.408 ppb	0.5 %	12,000.000 ppb	1.128 %
27Al (M-Level 10-KED)	120.619 ppb	2.1 %	120.000 ppb	0.516 %
39K (M-Level 10-KED)	12,166.964 ppb	0.2 %	12,000.000 ppb	1.391 %
44Ca (M-Level 10-KED)	12,119.591 ppb	1.3 %	12,000.000 ppb	0.997 %
45Sc (M-Level 10-None)	94.804 %	1.3 %		0.000 %
45Sc (M-Level 10-KED)	94.498 %	1.5 %		0.000 %
51V (M-Level 10-KED)	121.621 ppb	0.6 %	120.000 ppb	1.351 %
52Cr (M-Level 10-KED)	121.707 ppb	1.1 %	120.000 ppb	1.423 %
55Mn (M-Level 10-KED)	121.721 ppb	0.8 %	120.000 ppb	1.434 %
57Fe (M-Level 10-KED)	12,104.749 ppb	1.1 %	12,000.000 ppb	0.873 %
59Co (M-Level 10-KED)	121.499 ppb	0.9 %	120.000 ppb	1.249 %
60Ni (M-Level 10-KED)	121.304 ppb	0.7 %	120.000 ppb	1.087 %
63Cu (M-Level 10-KED)	121.019 ppb	0.3 %	120.000 ppb	0.849 %
66Zn (M-Level 10-KED)	120.603 ppb	0.5 %	120.000 ppb	0.503 %
74Ge (M-Level 10-None)	94.842 %	0.4 %		0.000 %
74Ge (M-Level 10-KED)	93.454 %	0.5 %		0.000 %
75As (M-Level 10-KED)	121.632 ppb	1.2 %	120.000 ppb	1.360 %
78Se (M-Level 10-KED)	122.936 ppb	3.0 %	120.000 ppb	2.447 %
88Sr (M-Level 10-KED)	121.500 ppb	1.3 %	120.000 ppb	1.250 %
95Mo (M-Level 10-KED)	122.024 ppb	1.9 %	120.000 ppb	1.686 %
103Rh (M-Level 10-None)	93.049 %	1.0 %		0.000 %
103Rh (M-Level 10-KED)	90.852 %	1.0 %		0.000 %
107Ag (M-Level 10-KED)	121.596 ppb	1.8 %	120.000 ppb	1.330 %
111Cd (M-Level 10-KED)	121.510 ppb	1.1 %	120.000 ppb	1.258 %
115In (M-Level 10-None)	97.991 %	5.6 %		0.000 %
115In (M-Level 10-KED)	93.370 %	0.7 %		0.000 %
118Sn (M-Level 10-KED)	121.826 ppb	0.9 %	120.000 ppb	1.522 %
121Sb (M-Level 10-KED)	121.624 ppb	0.3 %	120.000 ppb	1.353 %
137Ba (M-Level 10-KED)	120.594 ppb	1.2 %	120.000 ppb	0.495 %
159Tb (M-Level 10-None)	96.545 %	1.3 %		0.000 %
159Tb (M-Level 10-KED)	101.109 %	1.0 %		0.000 %
175Lu (M-Level 10-None)	97.714 %	0.1 %		0.000 %
175Lu (M-Level 10-KED)	95.958 %	1.3 %		0.000 %
205Tl (M-Level 10-KED)	120.063 ppb	0.3 %	120.000 ppb	0.053 %
208Pb (M-Level 10-KED)	121.110 ppb	0.5 %	120.000 ppb	0.925 %
209Bi (M-Level 10-None)	93.732 %	0.5 %		0.000 %
209Bi (M-Level 10-KED)	90.410 %	0.1 %		0.000 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 1
Analysis label: Cal Lot M25-1181
Analysis started at: 12/8/2025 1:30:14 PM
Comment <Comment>
Rack Number 0
Vial Numbers 1

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	99.488 %	97.922 %	0.000 ppb	-0.013 ppb	-0.822 ppb	-1.117 ppb	-0.547 ppb
Concentration per Run	99.312 %	103.936 %	0.000 ppb	0.007 ppb	-0.593 ppb	-1.175 ppb	-0.597 ppb
Concentration per Run	99.666 %	93.471 %	0.000 ppb	-0.030 ppb	-1.225 ppb	-0.997 ppb	-0.720 ppb
Concentration per Run	99.488 %	96.359 %	0.001 ppb	-0.016 ppb	-0.646 ppb	-1.180 ppb	-0.324 ppb
Concentration RSD	0.2 %	5.5 %	93.4 %	146.0 %	42.7 %	9.3 %	37.0 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	-1.708 ppb	12.798 ppb	97.939 %	91.603 %	0.821 ppb	-0.004 ppb	0.003 ppb
Concentration per Run	-1.172 ppb	15.490 ppb	96.975 %	91.713 %	0.776 ppb	-0.009 ppb	-0.001 ppb
Concentration per Run	-1.643 ppb	19.494 ppb	97.022 %	85.890 %	1.244 ppb	-0.006 ppb	0.005 ppb
Concentration per Run	-2.309 ppb	3.409 ppb	99.820 %	97.205 %	0.444 ppb	0.004 ppb	0.007 ppb
Concentration RSD	33.4 %	65.4 %	1.7 %	6.2 %	48.9 %	168.7 %	128.1 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	-0.164 ppb	0.003 ppb	-0.009 ppb	0.000 ppb	-0.074 ppb	97.676 %	91.789 %
Concentration per Run	-0.186 ppb	0.002 ppb	-0.012 ppb	0.002 ppb	-0.027 ppb	96.964 %	94.621 %
Concentration per Run	0.013 ppb	0.003 ppb	-0.018 ppb	0.001 ppb	-0.099 ppb	98.341 %	85.020 %
Concentration per Run	-0.319 ppb	0.003 ppb	0.002 ppb	-0.004 ppb	-0.094 ppb	97.724 %	95.724 %
Concentration RSD	102.0 %	23.7 %	112.6 %	3,211.3 %	54.6 %	0.7 %	6.4 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	-0.019 ppb	-0.038 ppb	0.058 ppb	0.002 ppb	93.779 %	98.222 %	0.000 ppb
Concentration per Run	-0.025 ppb	-0.029 ppb	0.067 ppb	-0.001 ppb	86.133 %	100.276 %	-0.001 ppb
Concentration per Run	-0.020 ppb	0.077 ppb	0.079 ppb	0.003 ppb	97.460 %	93.521 %	0.000 ppb
Concentration per Run	-0.012 ppb	-0.161 ppb	0.029 ppb	0.004 ppb	97.744 %	100.869 %	-0.001 ppb
Concentration RSD	34.5 %	315.5 %	45.1 %	120.3 %	7.1 %	4.2 %	84.5 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	-0.001 ppb	97.651 %	92.626 %	-0.070 ppb	0.020 ppb	-0.002 ppb	97.332 %
Concentration per Run	-0.001 ppb	103.786 %	94.306 %	-0.045 ppb	0.001 ppb	0.000 ppb	96.636 %
Concentration per Run	-0.001 ppb	95.376 %	85.797 %	-0.067 ppb	0.020 ppb	-0.001 ppb	97.877 %
Concentration per Run	-0.001 ppb	93.791 %	97.776 %	-0.097 ppb	0.039 ppb	-0.005 ppb	97.484 %
Concentration RSD	0.0 %	5.5 %	6.7 %	37.7 %	96.3 %	122.2 %	0.7 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	96.928 %	97.212 %	96.831 %	0.000 ppb	0.000 ppb	97.563 %	97.618 %
Concentration per Run	94.092 %	96.778 %	99.321 %	0.001 ppb	0.000 ppb	96.741 %	99.994 %
Concentration per Run	92.807 %	96.672 %	91.874 %	0.000 ppb	0.000 ppb	98.679 %	93.905 %
Concentration per Run	103.884 %	98.186 %	99.299 %	0.000 ppb	0.000 ppb	97.269 %	98.955 %
Concentration RSD	6.3 %	0.9 %	4.4 %	92.0 %	145.6 %	1.0 %	3.3 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 2
Analysis label: Blank TAA ICPMSX2
Analysis started at: 12/8/2025 1:35:51 PM
Comment <Comment>
Rack Number 4
Vial Numbers 49

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	100.000 %	100.000 %	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb
Concentration per Run	100.000 %	100.000 %	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb
Concentration RSD	0.0 %	0.0 %	0.5 %	0.0 %	0.0 %	0.1 %	0.0 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	0.000 ppb	0.000 ppb	100.000 %	100.000 %	0.000 ppb	0.000 ppb	0.000 ppb
Concentration per Run	0.000 ppb	0.000 ppb	100.000 %	100.000 %	0.000 ppb	0.000 ppb	0.000 ppb
Concentration RSD	0.1 %	0.2 %	0.0 %	0.0 %	0.1 %	0.0 %	0.2 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb	100.000 %	100.000 %
Concentration per Run	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb	100.000 %	100.000 %
Concentration RSD	0.1 %	0.3 %	0.1 %	0.1 %	0.1 %	0.0 %	0.0 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb	100.000 %	100.000 %	0.000 ppb
Concentration per Run	0.000 ppb	0.000 ppb	0.000 ppb	0.000 ppb	100.000 %	100.000 %	0.000 ppb
Concentration RSD	0.0 %	0.2 %	0.2 %	0.2 %	0.0 %	0.0 %	0.1 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.000 ppb	100.000 %	100.000 %	0.000 ppb	0.000 ppb	0.000 ppb	100.000 %
Concentration per Run	0.000 ppb	100.000 %	100.000 %	0.000 ppb	0.000 ppb	0.000 ppb	100.000 %
Concentration RSD	0.9 %	0.1 %	0.0 %	0.0 %	0.3 %	0.3 %	0.0 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	100.000 %	100.000 %	100.000 %	0.000 ppb	0.000 ppb	100.000 %	100.000 %
Concentration per Run	100.000 %	100.000 %	100.000 %	0.000 ppb	0.000 ppb	100.000 %	100.000 %
Concentration RSD	0.1 %	0.0 %	0.0 %	0.2 %	0.0 %	0.0 %	0.0 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 3
Analysis label: 0.2/20 Cal Plus Std 1
Analysis started at: 12/8/2025 1:41:28 PM
Comment <Comment>
Rack Number 4
Vial Numbers 50

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	99.956 %	104.071 %	0.201 ppb	N/A	N/A	72.585 ppb	N/A
Concentration per Run	99.162 %	101.656 %	0.195 ppb	N/A	N/A	71.661 ppb	N/A
Concentration per Run	98.927 %	104.950 %	0.205 ppb	N/A	N/A	73.538 ppb	N/A
Concentration per Run	101.777 %	105.609 %	0.203 ppb	N/A	N/A	72.556 ppb	N/A
Concentration RSD	1.6 %	2.0 %	2.6 %	N/A	N/A	1.3 %	N/A

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	106.721 ppb	97.252 ppb	98.796 %	106.504 %	N/A	N/A	N/A
Concentration per Run	107.108 ppb	96.279 ppb	98.556 %	106.106 %	N/A	N/A	N/A
Concentration per Run	106.540 ppb	95.214 ppb	97.571 %	106.468 %	N/A	N/A	N/A
Concentration per Run	106.513 ppb	100.261 ppb	100.260 %	106.940 %	N/A	N/A	N/A
Concentration RSD	0.3 %	2.7 %	1.4 %	0.4 %	N/A	N/A	N/A

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	51.747 ppb	0.527 ppb	N/A	N/A	N/A	97.326 %	104.819 %
Concentration per Run	52.702 ppb	0.525 ppb	N/A	N/A	N/A	96.200 %	103.493 %
Concentration per Run	51.627 ppb	0.529 ppb	N/A	N/A	N/A	98.373 %	104.018 %
Concentration per Run	50.912 ppb	0.525 ppb	N/A	N/A	N/A	97.404 %	106.944 %
Concentration RSD	1.7 %	0.5 %	N/A	N/A	N/A	1.1 %	1.8 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	0.514 ppb	N/A	0.508 ppb	N/A	97.480 %	104.809 %	0.205 ppb
Concentration per Run	0.523 ppb	N/A	0.543 ppb	N/A	96.978 %	104.797 %	0.200 ppb
Concentration per Run	0.557 ppb	N/A	0.500 ppb	N/A	97.893 %	104.712 %	0.214 ppb
Concentration per Run	0.460 ppb	N/A	0.481 ppb	N/A	97.570 %	104.918 %	0.202 ppb
Concentration RSD	9.6 %	N/A	6.2 %	N/A	0.5 %	0.1 %	3.7 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.201 ppb	100.903 %	106.550 %	N/A	N/A	0.552 ppb	96.709 %
Concentration per Run	0.197 ppb	93.260 %	105.555 %	N/A	N/A	0.526 ppb	95.526 %
Concentration per Run	0.206 ppb	105.024 %	106.507 %	N/A	N/A	0.556 ppb	96.867 %
Concentration per Run	0.200 ppb	104.426 %	107.587 %	N/A	N/A	0.574 ppb	97.732 %
Concentration RSD	2.1 %	6.6 %	1.0 %	N/A	N/A	4.3 %	1.1 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	101.892 %	97.005 %	104.901 %	N/A	N/A	97.373 %	101.584 %
Concentration per Run	100.196 %	95.865 %	104.117 %	N/A	N/A	97.412 %	99.973 %
Concentration per Run	102.073 %	97.259 %	105.766 %	N/A	N/A	97.519 %	104.525 %
Concentration per Run	103.406 %	97.890 %	104.818 %	N/A	N/A	97.187 %	100.254 %
Concentration RSD	1.6 %	1.1 %	0.8 %	N/A	N/A	0.2 %	2.5 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 4
Analysis label: 1/100 Cal Plus Std 2
Analysis started at: 12/8/2025 1:47:03 PM
Comment <Comment>
Rack Number 4
Vial Numbers 51

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	100.354 %	103.742 %	1.033 ppb	9.825 ppb	520.180 ppb	152.238 ppb	9.647 ppb
Concentration per Run	100.404 %	104.646 %	1.019 ppb	9.709 ppb	509.931 ppb	145.580 ppb	9.074 ppb
Concentration per Run	99.477 %	102.872 %	1.030 ppb	9.903 ppb	525.772 ppb	155.936 ppb	10.318 ppb
Concentration per Run	101.183 %	103.708 %	1.050 ppb	9.864 ppb	524.835 ppb	155.198 ppb	9.549 ppb
Concentration RSD	0.9 %	0.9 %	1.5 %	1.0 %	1.7 %	3.8 %	6.5 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	193.802 ppb	191.189 ppb	100.243 %	103.421 %	5.075 ppb	1.056 ppb	1.053 ppb
Concentration per Run	187.920 ppb	190.946 ppb	100.735 %	103.441 %	5.037 ppb	1.050 ppb	1.039 ppb
Concentration per Run	193.524 ppb	183.530 ppb	99.802 %	103.366 %	5.131 ppb	1.034 ppb	1.076 ppb
Concentration per Run	199.962 ppb	199.091 ppb	100.192 %	103.457 %	5.058 ppb	1.084 ppb	1.042 ppb
Concentration RSD	3.1 %	4.1 %	0.5 %	0.0 %	1.0 %	2.4 %	2.0 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	135.638 ppb	1.353 ppb	2.044 ppb	1.089 ppb	6.997 ppb	99.576 %	102.552 %
Concentration per Run	132.585 ppb	1.341 ppb	2.024 ppb	1.097 ppb	6.894 ppb	99.769 %	102.210 %
Concentration per Run	136.756 ppb	1.333 ppb	2.043 ppb	1.069 ppb	7.178 ppb	99.595 %	103.196 %
Concentration per Run	137.573 ppb	1.384 ppb	2.065 ppb	1.101 ppb	6.920 ppb	99.364 %	102.251 %
Concentration RSD	2.0 %	2.0 %	1.0 %	1.6 %	2.2 %	0.2 %	0.5 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	1.441 ppb	5.349 ppb	1.281 ppb	1.933 ppb	99.096 %	102.022 %	1.019 ppb
Concentration per Run	1.459 ppb	5.361 ppb	1.352 ppb	1.936 ppb	99.964 %	102.071 %	0.996 ppb
Concentration per Run	1.379 ppb	5.614 ppb	1.229 ppb	1.927 ppb	97.880 %	102.042 %	1.024 ppb
Concentration per Run	1.484 ppb	5.072 ppb	1.262 ppb	1.938 ppb	99.443 %	101.954 %	1.038 ppb
Concentration RSD	3.8 %	5.1 %	5.0 %	0.3 %	1.1 %	0.1 %	2.1 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	1.022 ppb	98.248 %	102.985 %	2.365 ppb	4.124 ppb	1.384 ppb	97.368 %
Concentration per Run	1.032 ppb	95.317 %	103.013 %	2.382 ppb	4.075 ppb	1.329 ppb	98.638 %
Concentration per Run	1.002 ppb	104.840 %	102.935 %	2.360 ppb	4.184 ppb	1.396 ppb	95.999 %
Concentration per Run	1.034 ppb	94.587 %	103.006 %	2.354 ppb	4.115 ppb	1.426 ppb	97.469 %
Concentration RSD	1.8 %	5.8 %	0.0 %	0.6 %	1.3 %	3.6 %	1.4 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	101.643 %	98.182 %	101.403 %	1.032 ppb	1.024 ppb	98.404 %	100.146 %
Concentration per Run	106.942 %	98.838 %	101.422 %	1.052 ppb	1.033 ppb	98.651 %	99.682 %
Concentration per Run	98.870 %	97.157 %	101.843 %	1.030 ppb	1.024 ppb	97.332 %	100.583 %
Concentration per Run	99.118 %	98.550 %	100.943 %	1.013 ppb	1.016 ppb	99.228 %	100.174 %
Concentration RSD	4.5 %	0.9 %	0.4 %	1.9 %	0.8 %	1.0 %	0.5 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 5
Analysis label: 10/1000 Cal Plus Std 3
Analysis started at: 12/8/2025 1:52:38 PM
Comment <Comment>
Rack Number 4
Vial Numbers 52

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	98.710 %	100.963 %	10.217 ppb	18.619 ppb	1,069.757 ppb	1,060.218 ppb	19.409 ppb
Concentration per Run	99.032 %	104.164 %	10.335 ppb	18.894 ppb	1,039.968 ppb	1,024.566 ppb	18.409 ppb
Concentration per Run	97.563 %	99.502 %	10.173 ppb	18.490 ppb	1,093.396 ppb	1,089.396 ppb	19.942 ppb
Concentration per Run	99.535 %	99.223 %	10.143 ppb	18.474 ppb	1,075.906 ppb	1,066.691 ppb	19.876 ppb
Concentration RSD	1.0 %	2.7 %	1.0 %	1.3 %	2.5 %	3.1 %	4.5 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	1,069.527 ppb	1,029.626 ppb	97.094 %	104.429 %	10.186 ppb	10.584 ppb	10.498 ppb
Concentration per Run	1,066.799 ppb	1,038.648 ppb	96.909 %	103.938 %	10.000 ppb	10.513 ppb	10.362 ppb
Concentration per Run	1,075.846 ppb	1,020.256 ppb	96.520 %	103.432 %	10.368 ppb	10.819 ppb	10.698 ppb
Concentration per Run	1,065.938 ppb	1,029.976 ppb	97.853 %	105.916 %	10.190 ppb	10.419 ppb	10.435 ppb
Concentration RSD	0.5 %	0.9 %	0.7 %	1.3 %	1.8 %	2.0 %	1.7 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	1,059.067 ppb	10.517 ppb	10.606 ppb	10.576 ppb	12.514 ppb	95.947 %	102.442 %
Concentration per Run	1,058.989 ppb	10.589 ppb	10.583 ppb	10.387 ppb	12.246 ppb	95.438 %	102.896 %
Concentration per Run	1,076.825 ppb	10.568 ppb	10.881 ppb	10.777 ppb	12.698 ppb	96.547 %	102.272 %
Concentration per Run	1,041.386 ppb	10.395 ppb	10.352 ppb	10.564 ppb	12.599 ppb	95.857 %	102.157 %
Concentration RSD	1.7 %	1.0 %	2.5 %	1.8 %	1.9 %	0.6 %	0.4 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	10.481 ppb	10.160 ppb	10.303 ppb	9.917 ppb	96.020 %	101.858 %	10.441 ppb
Concentration per Run	10.199 ppb	10.040 ppb	10.210 ppb	9.784 ppb	95.443 %	102.627 %	10.387 ppb
Concentration per Run	10.691 ppb	10.743 ppb	10.507 ppb	9.952 ppb	96.319 %	100.577 %	10.527 ppb
Concentration per Run	10.553 ppb	9.696 ppb	10.192 ppb	10.015 ppb	96.298 %	102.372 %	10.409 ppb
Concentration RSD	2.4 %	5.3 %	1.7 %	1.2 %	0.5 %	1.1 %	0.7 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	10.432 ppb	93.146 %	103.954 %	9.668 ppb	10.245 ppb	10.663 ppb	96.124 %
Concentration per Run	10.251 ppb	92.294 %	103.740 %	9.690 ppb	10.306 ppb	10.567 ppb	96.607 %
Concentration per Run	10.414 ppb	93.779 %	103.051 %	9.678 ppb	10.405 ppb	10.885 ppb	96.687 %
Concentration per Run	10.631 ppb	93.365 %	105.070 %	9.637 ppb	10.025 ppb	10.538 ppb	95.080 %
Concentration RSD	1.8 %	0.8 %	1.0 %	0.3 %	1.9 %	1.8 %	0.9 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	99.507 %	95.957 %	102.694 %	10.467 ppb	10.342 ppb	96.103 %	100.185 %
Concentration per Run	100.242 %	96.016 %	102.922 %	10.506 ppb	10.317 ppb	96.137 %	100.200 %
Concentration per Run	98.953 %	96.624 %	102.196 %	10.480 ppb	10.379 ppb	96.672 %	100.327 %
Concentration per Run	99.326 %	95.232 %	102.964 %	10.417 ppb	10.331 ppb	95.501 %	100.027 %
Concentration RSD	0.7 %	0.7 %	0.4 %	0.4 %	0.3 %	0.6 %	0.2 %

Analysis index:	6	Analysis started at:	12/8/2025 1:58:13 PM	Rack Number	4
Analysis label:	30/3000 Cal	Comment	<Comment>	Vial Numbers	53

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 7
Analysis label: 60/6000 Cal
Analysis started at: 12/8/2025 2:03:48 PM
Comment <Comment>
Rack Number 4
Vial Numbers 54

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	95.160 %	96.140 %	60.163 ppb	60.085 ppb	6,275.860 ppb	6,280.659 ppb	61.294 ppb
Concentration per Run	94.635 %	95.447 %	61.003 ppb	60.518 ppb	6,197.143 ppb	6,081.990 ppb	60.539 ppb
Concentration per Run	94.933 %	97.677 %	60.609 ppb	60.286 ppb	6,295.515 ppb	6,359.182 ppb	60.940 ppb
Concentration per Run	95.910 %	95.295 %	58.877 ppb	59.452 ppb	6,334.923 ppb	6,400.805 ppb	62.403 ppb
Concentration RSD	0.7 %	1.4 %	1.9 %	0.9 %	1.1 %	2.8 %	1.6 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	6,283.689 ppb	6,226.784 ppb	95.841 %	99.170 %	62.160 ppb	61.961 ppb	61.079 ppb
Concentration per Run	6,221.898 ppb	6,026.902 ppb	95.810 %	100.067 %	60.913 ppb	60.939 ppb	59.657 ppb
Concentration per Run	6,318.511 ppb	6,413.122 ppb	96.416 %	98.322 %	63.617 ppb	62.533 ppb	62.013 ppb
Concentration per Run	6,310.658 ppb	6,240.327 ppb	95.297 %	99.121 %	61.951 ppb	62.412 ppb	61.565 ppb
Concentration RSD	0.9 %	3.1 %	0.6 %	0.9 %	2.2 %	1.4 %	2.0 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	6,235.834 ppb	61.969 ppb	62.285 ppb	62.445 ppb	62.456 ppb	94.836 %	99.021 %
Concentration per Run	6,162.466 ppb	61.095 ppb	61.623 ppb	61.780 ppb	61.287 ppb	95.003 %	99.080 %
Concentration per Run	6,268.596 ppb	62.808 ppb	62.291 ppb	63.086 ppb	62.880 ppb	95.779 %	99.045 %
Concentration per Run	6,276.438 ppb	62.003 ppb	62.939 ppb	62.468 ppb	63.201 ppb	93.725 %	98.939 %
Concentration RSD	1.0 %	1.4 %	1.1 %	1.0 %	1.6 %	1.1 %	0.1 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	61.576 ppb	60.832 ppb	61.070 ppb	60.967 ppb	95.289 %	96.740 %	61.517 ppb
Concentration per Run	60.402 ppb	61.149 ppb	60.737 ppb	60.482 ppb	94.896 %	96.795 %	60.898 ppb
Concentration per Run	62.002 ppb	62.336 ppb	61.350 ppb	61.844 ppb	94.832 %	95.656 %	62.385 ppb
Concentration per Run	62.324 ppb	59.012 ppb	61.124 ppb	60.576 ppb	96.138 %	97.769 %	61.267 ppb
Concentration RSD	1.7 %	2.8 %	0.5 %	1.2 %	0.8 %	1.1 %	1.3 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	61.599 ppb	102.216 %	100.023 %	61.414 ppb	60.889 ppb	61.761 ppb	96.567 %
Concentration per Run	60.350 ppb	101.991 %	100.228 %	60.490 ppb	60.632 ppb	60.051 ppb	96.740 %
Concentration per Run	62.516 ppb	102.469 %	99.504 %	62.070 ppb	60.440 ppb	60.648 ppb	96.726 %
Concentration per Run	61.930 ppb	102.187 %	100.336 %	61.683 ppb	61.596 ppb	64.585 ppb	96.234 %
Concentration RSD	1.8 %	0.2 %	0.5 %	1.3 %	1.0 %	4.0 %	0.3 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	103.528 %	98.187 %	101.711 %	61.867 ppb	61.464 ppb	96.566 %	96.758 %
Concentration per Run	107.647 %	98.214 %	100.984 %	61.640 ppb	61.057 ppb	96.738 %	97.012 %
Concentration per Run	105.964 %	98.468 %	101.967 %	62.210 ppb	61.738 ppb	96.535 %	96.324 %
Concentration per Run	96.974 %	97.880 %	102.183 %	61.749 ppb	61.595 ppb	96.425 %	96.938 %
Concentration RSD	5.5 %	0.3 %	0.6 %	0.5 %	0.6 %	0.2 %	0.4 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 8 | Analysis started at: 12/8/2025 2:09:23 PM | Rack Number 4
Analysis label: 90/9000 Cal | Comment <Comment> | Vial Numbers 55

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	92.004 %	98.277 %	90.414 ppb	89.962 ppb	8,556.579 ppb	8,592.775 ppb	88.261 ppb
Concentration per Run	92.339 %	106.268 %	90.870 ppb	90.799 ppb	6,860.732 ppb	6,968.749 ppb	68.967 ppb
Concentration per Run	91.245 %	93.293 %	90.406 ppb	90.546 ppb	9,585.992 ppb	9,497.051 ppb	95.927 ppb
Concentration per Run	92.428 %	95.270 %	89.966 ppb	88.542 ppb	9,223.013 ppb	9,312.525 ppb	99.888 ppb
Concentration RSD	0.7 %	7.1 %	0.5 %	1.4 %	17.3 %	16.4 %	19.1 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	8,564.922 ppb	8,662.653 ppb	92.831 %	101.066 %	86.155 ppb	86.056 ppb	86.834 ppb
Concentration per Run	7,118.015 ppb	7,125.861 ppb	93.303 %	103.788 %	73.730 ppb	72.716 ppb	73.851 ppb
Concentration per Run	9,333.807 ppb	9,400.540 ppb	92.885 %	99.324 %	93.502 ppb	93.097 ppb	93.545 ppb
Concentration per Run	9,242.945 ppb	9,461.557 ppb	92.304 %	100.084 %	91.234 ppb	92.355 ppb	93.108 ppb
Concentration RSD	14.6 %	15.4 %	0.5 %	2.4 %	12.6 %	13.4 %	13.0 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	8,657.133 ppb	86.279 ppb	86.317 ppb	86.581 ppb	86.335 ppb	92.034 %	98.685 %
Concentration per Run	7,405.744 ppb	74.114 ppb	74.371 ppb	74.052 ppb	72.392 ppb	91.215 %	102.069 %
Concentration per Run	9,251.252 ppb	92.903 ppb	93.340 ppb	91.760 ppb	92.806 ppb	92.741 %	97.518 %
Concentration per Run	9,314.404 ppb	91.821 ppb	91.240 ppb	93.932 ppb	93.806 ppb	92.147 %	96.468 %
Concentration RSD	12.5 %	12.2 %	12.0 %	12.6 %	14.0 %	0.8 %	3.0 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	86.414 ppb	85.493 ppb	87.184 ppb	86.660 ppb	90.879 %	96.726 %	86.565 ppb
Concentration per Run	71.962 ppb	71.227 ppb	74.849 ppb	73.540 ppb	90.983 %	100.302 %	74.107 ppb
Concentration per Run	94.160 ppb	92.916 ppb	93.273 ppb	93.324 ppb	90.023 %	94.294 %	93.490 ppb
Concentration per Run	93.119 ppb	92.336 ppb	93.430 ppb	93.116 ppb	91.631 %	95.583 %	92.099 ppb
Concentration RSD	14.5 %	14.5 %	12.3 %	13.1 %	0.9 %	3.3 %	12.5 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	86.693 ppb	98.951 %	99.943 %	86.645 ppb	87.133 ppb	87.872 ppb	94.034 %
Concentration per Run	72.773 ppb	99.672 %	104.701 %	73.832 ppb	74.326 ppb	78.681 ppb	94.081 %
Concentration per Run	93.028 ppb	98.570 %	98.216 %	92.488 ppb	93.428 ppb	92.575 ppb	93.232 %
Concentration per Run	94.276 ppb	98.612 %	96.913 %	93.615 ppb	93.646 ppb	92.360 ppb	94.787 %
Concentration RSD	13.9 %	0.6 %	4.2 %	12.8 %	12.7 %	9.1 %	0.8 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	104.794 %	94.255 %	102.313 %	88.289 ppb	87.355 ppb	91.732 %	96.084 %
Concentration per Run	102.946 %	93.584 %	108.790 %	80.955 ppb	77.880 ppb	91.187 %	96.871 %
Concentration per Run	105.655 %	94.299 %	98.605 %	92.241 ppb	92.850 ppb	92.518 %	95.072 %
Concentration per Run	105.781 %	94.883 %	99.545 %	91.672 ppb	91.337 ppb	91.491 %	96.308 %
Concentration RSD	1.5 %	0.7 %	5.5 %	7.2 %	9.4 %	0.8 %	1.0 %

Analysis index:	9	Analysis started at:	12/8/2025 2:14:58 PM	Rack Number	4
Analysis label:	120/12000 Cal	Comment	<Comment>	Vial Numbers	56

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 10 | Analysis started at: 12/8/2025 2:27:42 PM | Rack Number 4
Analysis label: 30/3000 Cal | Comment <Comment> | Vial Numbers 57

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	92.110 %	94.332 %	29.711 ppb	29.874 ppb	3,055.251 ppb	3,098.479 ppb	30.012 ppb
Concentration per Run	91.668 %	94.712 %	29.859 ppb	30.121 ppb	3,004.838 ppb	3,029.661 ppb	29.554 ppb
Concentration per Run	92.432 %	94.104 %	29.705 ppb	30.165 ppb	3,078.410 ppb	3,123.167 ppb	31.059 ppb
Concentration per Run	92.231 %	94.180 %	29.571 ppb	29.335 ppb	3,082.507 ppb	3,142.610 ppb	29.421 ppb
Concentration RSD	0.4 %	0.4 %	0.5 %	1.6 %	1.4 %	1.9 %	3.0 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	3,045.769 ppb	3,069.656 ppb	94.002 %	96.453 %	30.656 ppb	30.884 ppb	30.287 ppb
Concentration per Run	2,965.198 ppb	3,055.650 ppb	93.306 %	94.550 %	30.907 ppb	31.151 ppb	30.167 ppb
Concentration per Run	3,078.706 ppb	3,093.899 ppb	94.794 %	96.990 %	30.401 ppb	30.923 ppb	30.316 ppb
Concentration per Run	3,093.404 ppb	3,059.420 ppb	93.906 %	97.819 %	30.659 ppb	30.578 ppb	30.377 ppb
Concentration RSD	2.3 %	0.7 %	0.8 %	1.8 %	0.8 %	0.9 %	0.4 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	3,117.975 ppb	31.053 ppb	31.058 ppb	31.097 ppb	32.500 ppb	93.780 %	96.326 %
Concentration per Run	3,089.443 ppb	31.477 ppb	31.185 ppb	31.335 ppb	32.835 ppb	94.005 %	93.649 %
Concentration per Run	3,135.153 ppb	30.464 ppb	30.990 ppb	31.048 ppb	32.095 ppb	92.542 %	97.793 %
Concentration per Run	3,129.329 ppb	31.218 ppb	31.000 ppb	30.909 ppb	32.569 ppb	94.795 %	97.538 %
Concentration RSD	0.8 %	1.7 %	0.4 %	0.7 %	1.2 %	1.2 %	2.4 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	30.913 ppb	30.001 ppb	30.209 ppb	30.022 ppb	94.792 %	96.880 %	30.737 ppb
Concentration per Run	31.088 ppb	30.260 ppb	30.355 ppb	30.236 ppb	94.931 %	95.656 %	31.115 ppb
Concentration per Run	30.570 ppb	29.798 ppb	30.153 ppb	30.118 ppb	94.359 %	97.566 %	30.699 ppb
Concentration per Run	31.081 ppb	29.946 ppb	30.118 ppb	29.712 ppb	95.085 %	97.417 %	30.398 ppb
Concentration RSD	1.0 %	0.8 %	0.4 %	0.9 %	0.4 %	1.1 %	1.2 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	30.541 ppb	98.898 %	98.573 %	30.107 ppb	30.228 ppb	30.260 ppb	95.434 %
Concentration per Run	30.620 ppb	102.684 %	97.536 %	30.296 ppb	30.063 ppb	29.817 ppb	95.229 %
Concentration per Run	30.620 ppb	102.093 %	98.193 %	30.502 ppb	30.488 ppb	30.031 ppb	95.361 %
Concentration per Run	30.383 ppb	91.918 %	99.990 %	29.524 ppb	30.134 ppb	30.932 ppb	95.712 %
Concentration RSD	0.4 %	6.1 %	1.3 %	1.7 %	0.8 %	2.0 %	0.3 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	101.994 %	96.471 %	98.789 %	30.988 ppb	30.451 ppb	95.427 %	96.225 %
Concentration per Run	103.964 %	96.872 %	98.103 %	31.797 ppb	30.793 ppb	94.788 %	95.344 %
Concentration per Run	104.890 %	95.839 %	99.322 %	30.974 ppb	30.643 ppb	95.681 %	95.703 %
Concentration per Run	97.127 %	96.703 %	98.941 %	30.193 ppb	29.916 ppb	95.810 %	97.627 %
Concentration RSD	4.2 %	0.6 %	0.6 %	2.6 %	1.5 %	0.6 %	1.3 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 11 | Analysis started at: 12/8/2025 2:33:17 PM | Rack Number 4
Analysis label: 120/12000 Cal | Comment <Comment> | Vial Numbers 58

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	92.680 %	91.663 %	119.662 ppb	120.092 ppb	12,174.169 ppb	12,135.408 ppb	120.619 ppb
Concentration per Run	92.973 %	89.695 %	118.727 ppb	119.791 ppb	12,063.934 ppb	12,059.997 ppb	121.678 ppb
Concentration per Run	93.022 %	93.141 %	120.578 ppb	119.393 ppb	12,169.424 ppb	12,177.423 ppb	122.441 ppb
Concentration per Run	92.045 %	92.153 %	119.682 ppb	121.093 ppb	12,289.148 ppb	12,168.805 ppb	117.740 ppb
Concentration RSD	0.6 %	1.9 %	0.8 %	0.7 %	0.9 %	0.5 %	2.1 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	12,166.964 ppb	12,119.591 ppb	94.804 %	94.498 %	121.621 ppb	121.707 ppb	121.721 ppb
Concentration per Run	12,143.321 ppb	11,949.099 ppb	93.354 %	92.963 %	120.951 ppb	120.104 ppb	121.002 ppb
Concentration per Run	12,176.815 ppb	12,243.770 ppb	95.373 %	94.747 %	122.370 ppb	122.387 ppb	122.782 ppb
Concentration per Run	12,180.756 ppb	12,165.904 ppb	95.684 %	95.783 %	121.541 ppb	122.631 ppb	121.379 ppb
Concentration RSD	0.2 %	1.3 %	1.3 %	1.5 %	0.6 %	1.1 %	0.8 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	12,104.749 ppb	121.499 ppb	121.304 ppb	121.019 ppb	120.603 ppb	94.842 %	93.454 %
Concentration per Run	12,018.496 ppb	120.278 ppb	120.369 ppb	121.248 ppb	119.916 ppb	94.647 %	92.977 %
Concentration per Run	12,041.666 ppb	122.151 ppb	122.068 ppb	121.215 ppb	120.756 ppb	94.629 %	93.443 %
Concentration per Run	12,254.085 ppb	122.068 ppb	121.477 ppb	120.593 ppb	121.138 ppb	95.252 %	93.943 %
Concentration RSD	1.1 %	0.9 %	0.7 %	0.3 %	0.5 %	0.4 %	0.5 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	121.632 ppb	122.936 ppb	121.500 ppb	122.024 ppb	93.049 %	90.852 %	121.596 ppb
Concentration per Run	120.283 ppb	119.730 ppb	119.812 ppb	120.067 ppb	92.548 %	91.681 %	119.985 ppb
Concentration per Run	121.508 ppb	126.967 ppb	123.025 ppb	124.517 ppb	92.506 %	89.862 %	124.043 ppb
Concentration per Run	123.105 ppb	122.111 ppb	121.663 ppb	121.487 ppb	94.093 %	91.014 %	120.762 ppb
Concentration RSD	1.2 %	3.0 %	1.3 %	1.9 %	1.0 %	1.0 %	1.8 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	121.510 ppb	97.991 %	93.370 %	121.826 ppb	121.624 ppb	120.594 ppb	96.545 %
Concentration per Run	119.929 ppb	100.820 %	92.706 %	120.614 ppb	121.347 ppb	119.014 ppb	95.759 %
Concentration per Run	122.499 ppb	101.443 %	93.476 %	122.435 ppb	122.058 ppb	120.891 ppb	95.920 %
Concentration per Run	122.102 ppb	91.711 %	93.927 %	122.429 ppb	121.466 ppb	121.876 ppb	97.954 %
Concentration RSD	1.1 %	5.6 %	0.7 %	0.9 %	0.3 %	1.2 %	1.3 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	101.109 %	97.714 %	95.958 %	120.063 ppb	121.110 ppb	93.732 %	90.410 %
Concentration per Run	102.221 %	97.594 %	94.581 %	120.403 ppb	120.578 ppb	93.170 %	90.465 %
Concentration per Run	100.411 %	97.875 %	96.875 %	119.663 ppb	121.010 ppb	94.143 %	90.371 %
Concentration per Run	100.694 %	97.675 %	96.419 %	120.124 ppb	121.742 ppb	93.883 %	90.393 %
Concentration RSD	1.0 %	0.1 %	1.3 %	0.3 %	0.5 %	0.5 %	0.1 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 12 | Analysis started at: 12/8/2025 2:41:33 PM | Rack Number 0
Analysis label: Sr 200 | Comment <Comment> | Vial Numbers 7

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	93.815 %	93.310 %	0.009 ppb	0.504 ppb	8.212 ppb	2.028 ppb	2.675 ppb
Concentration per Run	92.537 %	93.293 %	0.012 ppb	0.589 ppb	8.695 ppb	2.308 ppb	3.087 ppb
Concentration per Run	94.199 %	92.026 %	0.006 ppb	0.469 ppb	8.511 ppb	2.045 ppb	2.238 ppb
Concentration per Run	94.710 %	94.611 %	0.009 ppb	0.455 ppb	7.430 ppb	1.730 ppb	2.699 ppb
Concentration RSD	1.2 %	1.4 %	37.0 %	14.6 %	8.3 %	14.3 %	15.9 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	2.968 ppb	6.811 ppb	94.990 %	98.520 %	-0.202 ppb	0.016 ppb	0.127 ppb
Concentration per Run	2.999 ppb	27.701 ppb	95.628 %	97.568 %	-0.216 ppb	0.017 ppb	0.136 ppb
Concentration per Run	4.388 ppb	-5.211 ppb	93.939 %	98.060 %	-0.179 ppb	0.022 ppb	0.123 ppb
Concentration per Run	1.518 ppb	-2.056 ppb	95.402 %	99.932 %	-0.210 ppb	0.010 ppb	0.121 ppb
Concentration RSD	48.3 %	266.6 %	1.0 %	1.3 %	9.8 %	34.9 %	6.6 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	5.174 ppb	0.012 ppb	0.187 ppb	0.470 ppb	4.168 ppb	95.781 %	99.060 %
Concentration per Run	5.703 ppb	0.012 ppb	0.201 ppb	0.467 ppb	4.106 ppb	94.923 %	100.127 %
Concentration per Run	4.788 ppb	0.010 ppb	0.171 ppb	0.474 ppb	4.210 ppb	95.513 %	97.705 %
Concentration per Run	5.032 ppb	0.014 ppb	0.189 ppb	0.470 ppb	4.186 ppb	96.906 %	99.347 %
Concentration RSD	9.2 %	16.8 %	7.9 %	0.7 %	1.3 %	1.1 %	1.2 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	-0.011 ppb	0.103 ppb	224.263 ppb	0.031 ppb	96.612 %	98.775 %	0.018 ppb
Concentration per Run	-0.027 ppb	0.070 ppb	222.318 ppb	0.028 ppb	96.698 %	98.521 %	0.024 ppb
Concentration per Run	-0.017 ppb	0.117 ppb	225.544 ppb	0.034 ppb	96.055 %	97.664 %	0.017 ppb
Concentration per Run	0.012 ppb	0.121 ppb	224.928 ppb	0.031 ppb	97.084 %	100.139 %	0.015 ppb
Concentration RSD	187.2 %	27.4 %	0.8 %	10.2 %	0.5 %	1.3 %	24.5 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.009 ppb	100.473 %	100.217 %	-0.324 ppb	0.016 ppb	0.134 ppb	96.721 %
Concentration per Run	0.013 ppb	102.841 %	99.798 %	-0.306 ppb	0.016 ppb	0.129 ppb	96.387 %
Concentration per Run	0.010 ppb	104.058 %	100.284 %	-0.317 ppb	0.016 ppb	0.138 ppb	96.204 %
Concentration per Run	0.004 ppb	94.521 %	100.571 %	-0.349 ppb	0.015 ppb	0.135 ppb	97.572 %
Concentration RSD	52.0 %	5.2 %	0.4 %	6.8 %	3.6 %	3.2 %	0.8 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	101.375 %	98.137 %	100.151 %	0.022 ppb	0.033 ppb	97.987 %	99.519 %
Concentration per Run	98.005 %	97.618 %	100.496 %	0.032 ppb	0.036 ppb	96.569 %	99.869 %
Concentration per Run	106.724 %	98.386 %	99.551 %	0.018 ppb	0.033 ppb	98.634 %	99.887 %
Concentration per Run	99.397 %	98.407 %	100.408 %	0.015 ppb	0.030 ppb	98.757 %	98.800 %
Concentration RSD	4.6 %	0.5 %	0.5 %	41.2 %	8.7 %	1.3 %	0.6 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 13 Analysis started at: 12/8/2025 2:47:10 PM Rack Number 0
Analysis label: ICV Comment <Comment> Vial Numbers 2

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	93.687 %	96.342 %	48.718 ppb	49.801 ppb	5,048.297 ppb	5,091.333 ppb	48.877 ppb
Concentration per Run	93.272 %	96.587 %	48.769 ppb	50.508 ppb	4,926.738 ppb	4,927.955 ppb	46.764 ppb
Concentration per Run	93.713 %	96.942 %	48.635 ppb	49.268 ppb	5,074.369 ppb	5,154.250 ppb	50.398 ppb
Concentration per Run	94.078 %	95.498 %	48.751 ppb	49.627 ppb	5,143.785 ppb	5,191.794 ppb	49.468 ppb
Recovery Percentage			97.437 %	99.602 %	100.966 %	101.827 %	97.753 %
Concentration RSD	0.4 %	0.8 %	0.1 %	1.3 %	2.2 %	2.8 %	3.9 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	5,048.002 ppb	5,030.964 ppb	94.672 %	99.289 %	50.811 ppb	50.645 ppb	49.871 ppb
Concentration per Run	4,877.352 ppb	4,854.303 ppb	94.251 %	99.658 %	49.753 ppb	48.976 ppb	48.723 ppb
Concentration per Run	5,079.589 ppb	5,002.268 ppb	95.467 %	99.958 %	50.932 ppb	51.118 ppb	50.020 ppb
Concentration per Run	5,187.065 ppb	5,236.321 ppb	94.297 %	98.250 %	51.748 ppb	51.841 ppb	50.870 ppb
Recovery Percentage	100.960 %	100.619 %			101.622 %	101.290 %	99.742 %
Concentration RSD	3.1 %	3.8 %	0.7 %	0.9 %	2.0 %	2.9 %	2.2 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	5,135.629 ppb	50.168 ppb	50.721 ppb	51.054 ppb	50.200 ppb	93.619 %	98.223 %
Concentration per Run	4,967.139 ppb	49.403 ppb	49.247 ppb	49.440 ppb	49.513 ppb	93.865 %	98.550 %
Concentration per Run	5,193.992 ppb	50.793 ppb	51.193 ppb	51.922 ppb	50.513 ppb	92.696 %	98.141 %
Concentration per Run	5,245.757 ppb	50.307 ppb	51.722 ppb	51.800 ppb	50.574 ppb	94.295 %	97.979 %
Recovery Percentage	102.713 %	100.335 %	101.441 %	102.107 %	100.400 %		
Concentration RSD	2.9 %	1.4 %	2.6 %	2.7 %	1.2 %	0.9 %	0.3 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	51.235 ppb	50.115 ppb	50.634 ppb	50.060 ppb	93.485 %	98.009 %	50.011 ppb
Concentration per Run	50.085 ppb	47.559 ppb	49.629 ppb	48.740 ppb	93.529 %	98.527 %	49.210 ppb
Concentration per Run	51.207 ppb	52.774 ppb	50.678 ppb	50.297 ppb	93.832 %	98.000 %	50.502 ppb
Concentration per Run	52.412 ppb	50.011 ppb	51.596 ppb	51.144 ppb	93.094 %	97.499 %	50.322 ppb
Recovery Percentage	102.470 %	100.229 %	101.269 %	100.120 %			100.023 %
Concentration RSD	2.3 %	5.2 %	1.9 %	2.4 %	0.4 %	0.5 %	1.4 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	50.231 ppb	97.985 %	100.731 %	48.293 ppb	50.221 ppb	52.079 ppb	95.382 %
Concentration per Run	49.546 ppb	91.238 %	100.817 %	48.165 ppb	49.861 ppb	50.723 ppb	95.295 %
Concentration per Run	50.655 ppb	101.422 %	100.583 %	48.673 ppb	50.500 ppb	53.012 ppb	94.590 %
Concentration per Run	50.493 ppb	101.294 %	100.792 %	48.043 ppb	50.302 ppb	52.500 ppb	96.261 %
Recovery Percentage	100.463 %			96.587 %	100.442 %	104.157 %	
Concentration RSD	1.2 %	6.0 %	0.1 %	0.7 %	0.7 %	2.3 %	0.9 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	98.671 %	96.780 %	101.561 %	52.471 ppb	51.301 ppb	94.701 %	96.490 %
Concentration per Run	98.727 %	96.440 %	101.841 %	51.441 ppb	50.080 ppb	94.162 %	98.190 %
Concentration per Run	98.053 %	97.145 %	100.944 %	52.304 ppb	51.201 ppb	94.755 %	97.197 %
Concentration per Run	99.234 %	96.753 %	101.900 %	53.667 ppb	52.624 ppb	95.188 %	94.084 %
Recovery Percentage				104.942 %	102.603 %		
Concentration RSD	0.6 %	0.4 %	0.5 %	2.1 %	2.5 %	0.5 %	2.2 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 14 Analysis started at: 12/8/2025 2:52:46 PM Rack Number 0
Analysis label: ICB Comment <Comment> Vial Numbers 4

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	93.487 %	94.738 %	0.006 ppb	0.391 ppb	1.161 ppb	-0.455 ppb	-0.504 ppb
Concentration per Run	92.100 %	96.334 %	0.006 ppb	0.449 ppb	1.188 ppb	-0.593 ppb	-0.479 ppb
Concentration per Run	94.424 %	93.293 %	0.007 ppb	0.363 ppb	1.552 ppb	-0.410 ppb	-0.398 ppb
Concentration per Run	93.938 %	94.586 %	0.005 ppb	0.361 ppb	0.744 ppb	-0.360 ppb	-0.633 ppb
Recovery Percentage			1.148 %	3.909 %	0.232 %	-0.649 %	-5.035 %
Concentration RSD	1.3 %	1.6 %	20.7 %	12.8 %	34.9 %	27.0 %	23.7 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	0.181 ppb	-0.127 ppb	95.693 %	98.360 %	-0.221 ppb	-0.015 ppb	0.010 ppb
Concentration per Run	0.788 ppb	1.607 ppb	96.296 %	97.243 %	-0.218 ppb	-0.013 ppb	0.019 ppb
Concentration per Run	-0.402 ppb	0.430 ppb	95.727 %	99.019 %	-0.207 ppb	-0.019 ppb	0.009 ppb
Concentration per Run	0.158 ppb	-2.419 ppb	95.057 %	98.817 %	-0.237 ppb	-0.013 ppb	0.003 ppb
Recovery Percentage	0.181 %	-0.127 %			-4.416 %	-1.532 %	1.030 %
Concentration RSD	328.4 %	1,624.2 %	0.6 %	1.0 %	7.0 %	21.5 %	75.3 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	0.392 ppb	0.005 ppb	-0.007 ppb	0.009 ppb	0.000 ppb	96.196 %	98.521 %
Concentration per Run	0.376 ppb	0.007 ppb	-0.019 ppb	0.016 ppb	0.001 ppb	95.198 %	97.184 %
Concentration per Run	0.455 ppb	0.003 ppb	-0.010 ppb	0.007 ppb	-0.007 ppb	95.990 %	99.156 %
Concentration per Run	0.346 ppb	0.006 ppb	0.009 ppb	0.005 ppb	0.005 ppb	97.400 %	99.223 %
Recovery Percentage	0.784 %	1.053 %	-0.348 %	0.948 %	-0.005 %		
Concentration RSD	14.4 %	40.2 %	208.3 %	60.7 %	2,620.9 %	1.2 %	1.2 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	-0.008 ppb	0.052 ppb	-0.004 ppb	0.033 ppb	96.001 %	98.785 %	0.015 ppb
Concentration per Run	-0.008 ppb	0.079 ppb	0.000 ppb	0.038 ppb	95.815 %	98.557 %	0.021 ppb
Concentration per Run	-0.009 ppb	-0.071 ppb	0.000 ppb	0.033 ppb	97.302 %	98.472 %	0.012 ppb
Concentration per Run	-0.005 ppb	0.149 ppb	-0.012 ppb	0.027 ppb	94.885 %	99.326 %	0.011 ppb
Recovery Percentage	-1.536 %	1.043 %	-0.764 %	1.645 %			3.737 %
Concentration RSD	28.7 %	215.5 %	185.8 %	16.5 %	1.3 %	0.5 %	37.7 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.007 ppb	96.755 %	100.014 %	-0.031 ppb	0.015 ppb	0.009 ppb	97.069 %
Concentration per Run	0.013 ppb	93.698 %	99.137 %	-0.026 ppb	0.012 ppb	0.006 ppb	97.110 %
Concentration per Run	0.006 ppb	93.447 %	101.104 %	-0.027 ppb	0.017 ppb	0.014 ppb	96.192 %
Concentration per Run	0.003 ppb	103.121 %	99.802 %	-0.040 ppb	0.015 ppb	0.005 ppb	97.904 %
Recovery Percentage	3.743 %			-1.031 %	0.366 %	1.707 %	
Concentration RSD	71.0 %	5.7 %	1.0 %	26.0 %	18.8 %	57.5 %	0.9 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	100.469 %	98.127 %	100.499 %	0.019 ppb	0.017 ppb	98.202 %	98.664 %
Concentration per Run	104.631 %	97.940 %	99.915 %	0.028 ppb	0.022 ppb	97.236 %	97.834 %
Concentration per Run	97.444 %	97.067 %	100.924 %	0.015 ppb	0.017 ppb	99.217 %	99.048 %
Concentration per Run	99.333 %	99.374 %	100.659 %	0.013 ppb	0.014 ppb	98.154 %	99.111 %
Recovery Percentage				1.871 %	1.746 %		
Concentration RSD	3.7 %	1.2 %	0.5 %	42.4 %	21.7 %	1.0 %	0.7 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 15 Analysis started at: 12/8/2025 3:11:37 PM Rack Number 0
Analysis label: ICSA Comment <Comment> Vial Numbers 5

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	101.843 %	93.665 %	0.109 ppb	3.708 ppb	263,954.284 ppb	102,729.692 ppb	97,181.498 ppb
Concentration per Run	98.958 %	87.440 %	0.111 ppb	3.664 ppb	255,150.520 ppb	99,931.246 ppb	93,323.366 ppb
Concentration per Run	101.375 %	93.749 %	0.110 ppb	3.718 ppb	268,921.389 ppb	103,725.737 ppb	99,768.146 ppb
Concentration per Run	105.197 %	99.806 %	0.105 ppb	3.743 ppb	267,790.943 ppb	104,532.092 ppb	98,452.982 ppb
Recovery Percentage			10.874 %	18.541 %	105.582 %	102.730 %	97.181 %
Concentration RSD	3.1 %	6.6 %	2.8 %	1.1 %	2.9 %	2.4 %	3.5 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	107,827.831 ppb	314,828.101 ppb	106.593 %	95.403 %	-0.122 ppb	1.227 ppb	3.608 ppb
Concentration per Run	104,659.268 ppb	302,394.410 ppb	103.135 %	90.326 %	-0.136 ppb	1.227 ppb	3.559 ppb
Concentration per Run	109,429.443 ppb	317,321.633 ppb	106.946 %	96.187 %	-0.085 ppb	1.215 ppb	3.639 ppb
Concentration per Run	109,394.781 ppb	324,768.261 ppb	109.697 %	99.696 %	-0.144 ppb	1.239 ppb	3.625 ppb
Recovery Percentage	107.828 %	104.943 %			-2.434 %	37.173 %	63.291 %
Concentration RSD	2.5 %	3.6 %	3.1 %	5.0 %	26.4 %	1.0 %	1.2 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	250,959.557 ppb	2.854 ppb	2.529 ppb	0.715 ppb	2.501 ppb	96.138 %	85.734 %
Concentration per Run	245,347.278 ppb	2.785 ppb	2.397 ppb	0.717 ppb	2.419 ppb	94.620 %	81.781 %
Concentration per Run	251,966.071 ppb	2.879 ppb	2.591 ppb	0.700 ppb	2.518 ppb	95.409 %	86.189 %
Concentration per Run	255,565.321 ppb	2.898 ppb	2.598 ppb	0.729 ppb	2.568 ppb	98.384 %	89.233 %
Recovery Percentage	100.384 %	99.447 %	41.453 %	25.372 %	21.942 %		
Concentration RSD	2.1 %	2.1 %	4.5 %	2.1 %	3.0 %	2.1 %	4.4 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	0.665 ppb	0.176 ppb	4.179 ppb	2,123.391 ppb	89.939 %	82.923 %	0.033 ppb
Concentration per Run	0.623 ppb	0.039 ppb	4.074 ppb	2,079.803 ppb	87.874 %	80.659 %	0.030 ppb
Concentration per Run	0.758 ppb	0.342 ppb	4.257 ppb	2,142.761 ppb	89.510 %	82.940 %	0.037 ppb
Concentration per Run	0.614 ppb	0.146 ppb	4.207 ppb	2,147.608 ppb	92.433 %	85.169 %	0.031 ppb
Recovery Percentage	40.813 %	1.364 %	154.789 %	106.170 %			4.077 %
Concentration RSD	12.1 %	87.4 %	2.3 %	1.8 %	2.6 %	2.7 %	11.0 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.660 ppb	103.980 %	90.629 %	-0.465 ppb	1.245 ppb	0.787 ppb	97.685 %
Concentration per Run	0.583 ppb	101.291 %	87.397 %	-0.471 ppb	1.229 ppb	0.766 ppb	97.790 %
Concentration per Run	0.857 ppb	103.927 %	91.233 %	-0.470 ppb	1.220 ppb	0.799 ppb	96.548 %
Concentration per Run	0.540 ppb	106.721 %	93.257 %	-0.454 ppb	1.286 ppb	0.795 ppb	98.717 %
Recovery Percentage	164.964 %			-7.749 %	15.561 %	41.851 %	
Concentration RSD	26.1 %	2.6 %	3.3 %	2.1 %	2.9 %	2.3 %	1.1 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	98.520 %	96.692 %	91.745 %	0.015 ppb	1.281 ppb	85.164 %	74.938 %
Concentration per Run	96.610 %	94.921 %	89.802 %	0.014 ppb	1.270 ppb	83.910 %	73.379 %
Concentration per Run	98.635 %	96.231 %	93.353 %	0.017 ppb	1.287 ppb	85.107 %	75.217 %
Concentration per Run	100.314 %	98.925 %	92.079 %	0.014 ppb	1.286 ppb	86.474 %	76.218 %
Recovery Percentage				0.743 %	41.325 %		
Concentration RSD	1.9 %	2.1 %	2.0 %	10.4 %	0.8 %	1.5 %	1.9 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 16 Analysis started at: 12/8/2025 3:17:12 PM Rack Number 0
Analysis label: LDR Comment <Comment> Vial Numbers 6

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	108.550 %	113.777 %	0.007 ppb	0.406 ppb	140.839 ppb	46.655 ppb	49.551 ppb
Concentration per Run	110.190 %	113.667 %	0.006 ppb	0.418 ppb	160.299 ppb	51.550 ppb	56.260 ppb
Concentration per Run	109.065 %	116.835 %	0.011 ppb	0.383 ppb	132.793 ppb	41.974 ppb	43.983 ppb
Concentration per Run	106.394 %	110.829 %	0.005 ppb	0.418 ppb	129.424 ppb	46.443 ppb	48.410 ppb
Recovery Percentage							
Concentration RSD	1.8 %	2.6 %	42.9 %	5.0 %	12.0 %	10.3 %	12.5 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	61.732 ppb	133.174 ppb	109.188 %	117.967 %	1,090.376 ppb	1,094.904 ppb	10,436.400 ppb
Concentration per Run	68.364 ppb	140.384 ppb	110.527 %	118.596 %	1,052.776 ppb	1,067.655 ppb	10,125.565 ppb
Concentration per Run	59.521 ppb	137.148 ppb	108.579 %	117.885 %	1,104.724 ppb	1,102.535 ppb	10,583.686 ppb
Concentration per Run	57.310 ppb	121.991 ppb	108.457 %	117.419 %	1,113.627 ppb	1,114.523 ppb	10,599.950 ppb
Recovery Percentage					109.038 %	109.490 %	104.364 %
Concentration RSD	9.5 %	7.4 %	1.1 %	0.5 %	3.0 %	2.2 %	2.6 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	116.417 ppb	0.042 ppb	9,576.397 ppb	9,139.632 ppb	9,042.001 ppb	107.375 %	119.025 %
Concentration per Run	124.425 ppb	0.045 ppb	9,213.390 ppb	8,841.685 ppb	8,820.105 ppb	109.307 %	119.950 %
Concentration per Run	116.536 ppb	0.039 ppb	9,760.305 ppb	9,335.648 ppb	9,164.318 ppb	107.192 %	119.601 %
Concentration per Run	108.290 ppb	0.040 ppb	9,755.495 ppb	9,241.563 ppb	9,141.581 ppb	105.626 %	117.523 %
Recovery Percentage			95.764 %	91.396 %	90.420 %		
Concentration RSD	6.9 %	7.6 %	3.3 %	2.9 %	2.1 %	1.7 %	1.1 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	960.702 ppb	0.942 ppb	0.299 ppb	1.253 ppb	103.711 %	114.629 %	0.196 ppb
Concentration per Run	935.327 ppb	0.633 ppb	0.296 ppb	1.411 ppb	103.449 %	116.552 %	0.189 ppb
Concentration per Run	968.007 ppb	1.352 ppb	0.284 ppb	1.214 ppb	105.068 %	114.452 %	0.208 ppb
Concentration per Run	978.771 ppb	0.839 ppb	0.317 ppb	1.136 ppb	102.614 %	112.882 %	0.192 ppb
Recovery Percentage	96.070 %						
Concentration RSD	2.4 %	39.3 %	5.6 %	11.3 %	1.2 %	1.6 %	5.3 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.096 ppb	97.329 %	117.934 %	0.011 ppb	1.107 ppb	9,791.970 ppb	98.804 %
Concentration per Run	0.089 ppb	98.421 %	117.118 %	0.086 ppb	1.149 ppb	9,740.716 ppb	100.186 %
Concentration per Run	0.101 ppb	97.566 %	119.385 %	-0.015 ppb	1.093 ppb	9,795.641 ppb	98.664 %
Concentration per Run	0.097 ppb	96.000 %	117.299 %	-0.040 ppb	1.078 ppb	9,839.552 ppb	97.561 %
Recovery Percentage						97.920 %	
Concentration RSD	6.3 %	1.3 %	1.1 %	625.2 %	3.4 %	0.5 %	1.3 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	107.862 %	104.086 %	111.838 %	0.055 ppb	10,838.907 ppb	96.745 %	103.984 %
Concentration per Run	108.015 %	103.459 %	114.497 %	0.056 ppb	10,858.959 ppb	97.494 %	103.908 %
Concentration per Run	108.711 %	104.468 %	110.690 %	0.055 ppb	11,127.795 ppb	97.084 %	102.239 %
Concentration per Run	106.858 %	104.331 %	110.326 %	0.052 ppb	10,529.969 ppb	95.659 %	105.806 %
Recovery Percentage					108.389 %		
Concentration RSD	0.9 %	0.5 %	2.1 %	4.1 %	2.8 %	1.0 %	1.7 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 17 Analysis started at: 12/8/2025 3:22:47 PM Rack Number 0
Analysis label: Rinse Comment <Comment> Vial Numbers 1

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	101.322 %	105.347 %	0.005 ppb	0.027 ppb	48.817 ppb	15.019 ppb	14.694 ppb
Concentration per Run	102.138 %	105.736 %	0.006 ppb	0.033 ppb	40.014 ppb	10.421 ppb	10.871 ppb
Concentration per Run	100.393 %	105.660 %	0.004 ppb	0.014 ppb	53.872 ppb	17.441 ppb	17.019 ppb
Concentration per Run	101.437 %	104.646 %	0.005 ppb	0.033 ppb	52.564 ppb	17.193 ppb	16.192 ppb
Concentration RSD	0.9 %	0.6 %	25.9 %	42.1 %	15.7 %	26.5 %	22.7 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	24.534 ppb	42.758 ppb	102.401 %	112.159 %	-0.069 ppb	0.145 ppb	1.703 ppb
Concentration per Run	20.903 ppb	22.817 ppb	102.648 %	112.943 %	-0.096 ppb	0.135 ppb	1.432 ppb
Concentration per Run	26.316 ppb	56.948 ppb	102.340 %	112.889 %	-0.064 ppb	0.158 ppb	1.804 ppb
Concentration per Run	26.382 ppb	48.509 ppb	102.213 %	110.646 %	-0.048 ppb	0.141 ppb	1.874 ppb
Concentration RSD	12.8 %	41.6 %	0.2 %	1.2 %	35.0 %	8.1 %	14.0 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	37.606 ppb	0.001 ppb	1.693 ppb	1.932 ppb	2.410 ppb	101.941 %	110.812 %
Concentration per Run	24.595 ppb	0.002 ppb	1.443 ppb	1.702 ppb	2.785 ppb	101.976 %	111.113 %
Concentration per Run	44.067 ppb	0.000 ppb	1.823 ppb	2.027 ppb	2.271 ppb	103.018 %	110.681 %
Concentration per Run	44.156 ppb	0.001 ppb	1.813 ppb	2.066 ppb	2.173 ppb	100.828 %	110.642 %
Concentration RSD	30.0 %	112.4 %	12.8 %	10.3 %	13.6 %	1.1 %	0.2 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	2.085 ppb	0.116 ppb	-0.009 ppb	0.311 ppb	99.984 %	108.723 %	0.001 ppb
Concentration per Run	2.742 ppb	0.119 ppb	-0.005 ppb	0.218 ppb	99.839 %	108.970 %	0.002 ppb
Concentration per Run	2.038 ppb	0.180 ppb	-0.020 ppb	0.358 ppb	100.254 %	109.491 %	0.001 ppb
Concentration per Run	1.476 ppb	0.048 ppb	-0.002 ppb	0.357 ppb	99.859 %	107.709 %	0.000 ppb
Concentration RSD	30.4 %	57.2 %	101.0 %	25.9 %	0.2 %	0.8 %	94.9 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.000 ppb	102.042 %	109.756 %	-0.074 ppb	-0.004 ppb	1.703 ppb	95.289 %
Concentration per Run	0.000 ppb	105.857 %	109.791 %	-0.081 ppb	-0.003 ppb	1.230 ppb	95.679 %
Concentration per Run	0.000 ppb	94.228 %	109.129 %	-0.055 ppb	-0.002 ppb	1.900 ppb	94.538 %
Concentration per Run	0.000 ppb	106.042 %	110.348 %	-0.085 ppb	-0.006 ppb	1.979 ppb	95.648 %
Concentration RSD	0.5 %	6.6 %	0.6 %	21.7 %	63.0 %	24.2 %	0.7 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	103.801 %	100.820 %	106.319 %	0.001 ppb	2.946 ppb	94.101 %	100.570 %
Concentration per Run	103.211 %	100.609 %	106.642 %	0.001 ppb	3.015 ppb	93.062 %	98.922 %
Concentration per Run	104.684 %	101.350 %	106.103 %	0.001 ppb	3.074 ppb	94.730 %	99.265 %
Concentration per Run	103.509 %	100.500 %	106.211 %	0.001 ppb	2.749 ppb	94.511 %	103.523 %
Concentration RSD	0.8 %	0.5 %	0.3 %	8.1 %	5.9 %	1.0 %	2.5 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 18 Analysis started at: 12/8/2025 3:28:23 PM Rack Number 0
Analysis label: CCV Comment <Comment> Vial Numbers 3

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	98.029 %	102.931 %	60.644 ppb	56.658 ppb	6,137.568 ppb	6,251.612 ppb	64.622 ppb
Concentration per Run	98.707 %	102.213 %	61.311 ppb	57.300 ppb	6,129.474 ppb	6,222.920 ppb	60.990 ppb
Concentration per Run	97.796 %	103.480 %	60.376 ppb	56.416 ppb	6,138.088 ppb	6,234.156 ppb	65.831 ppb
Concentration per Run	97.585 %	103.100 %	60.245 ppb	56.257 ppb	6,145.142 ppb	6,297.761 ppb	67.046 ppb
Recovery Percentage			101.074 %	94.429 %	102.293 %	104.194 %	107.704 %
Concentration RSD	0.6 %	0.6 %	1.0 %	1.0 %	0.1 %	0.6 %	5.0 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	5,999.971 ppb	5,956.188 ppb	99.445 %	110.035 %	61.406 ppb	61.788 ppb	61.138 ppb
Concentration per Run	5,886.308 ppb	5,738.900 ppb	100.973 %	110.723 %	60.135 ppb	61.859 ppb	60.209 ppb
Concentration per Run	5,964.317 ppb	6,001.198 ppb	98.344 %	110.849 %	61.251 ppb	61.947 ppb	61.191 ppb
Concentration per Run	6,149.287 ppb	6,128.466 ppb	99.017 %	108.534 %	62.832 ppb	61.558 ppb	62.014 ppb
Recovery Percentage	100.000 %	99.270 %			102.344 %	102.980 %	101.896 %
Concentration RSD	2.3 %	3.3 %	1.4 %	1.2 %	2.2 %	0.3 %	1.5 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	6,196.519 ppb	61.801 ppb	62.258 ppb	62.847 ppb	60.737 ppb	98.798 %	107.468 %
Concentration per Run	6,106.622 ppb	61.870 ppb	62.664 ppb	61.918 ppb	59.510 ppb	98.600 %	108.137 %
Concentration per Run	6,220.446 ppb	61.805 ppb	62.133 ppb	63.541 ppb	61.585 ppb	98.583 %	106.537 %
Concentration per Run	6,262.490 ppb	61.727 ppb	61.977 ppb	63.082 ppb	61.116 ppb	99.211 %	107.730 %
Recovery Percentage	103.275 %	103.001 %	103.763 %	104.746 %	101.229 %		
Concentration RSD	1.3 %	0.1 %	0.6 %	1.3 %	1.8 %	0.4 %	0.8 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	62.562 ppb	61.234 ppb	58.772 ppb	61.170 ppb	95.936 %	105.360 %	62.248 ppb
Concentration per Run	62.991 ppb	60.928 ppb	58.363 ppb	60.016 ppb	97.517 %	107.042 %	61.043 ppb
Concentration per Run	63.343 ppb	61.527 ppb	58.581 ppb	61.309 ppb	94.672 %	106.717 %	62.364 ppb
Concentration per Run	61.354 ppb	61.246 ppb	59.373 ppb	62.185 ppb	95.618 %	102.323 %	63.337 ppb
Recovery Percentage	104.271 %	102.056 %	97.954 %	101.950 %			103.747 %
Concentration RSD	1.7 %	0.5 %	0.9 %	1.8 %	1.5 %	2.5 %	1.8 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	61.447 ppb	104.414 %	108.574 %	58.430 ppb	59.945 ppb	63.563 ppb	95.689 %
Concentration per Run	61.654 ppb	105.062 %	109.617 %	58.192 ppb	59.745 ppb	63.145 ppb	97.258 %
Concentration per Run	61.065 ppb	104.515 %	108.509 %	58.445 ppb	60.084 ppb	64.146 ppb	94.140 %
Concentration per Run	61.622 ppb	103.664 %	107.598 %	58.653 ppb	60.007 ppb	63.398 ppb	95.669 %
Recovery Percentage	102.411 %			97.384 %	99.909 %	105.938 %	
Concentration RSD	0.5 %	0.7 %	0.9 %	0.4 %	0.3 %	0.8 %	1.6 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	102.532 %	102.315 %	105.489 %	61.736 ppb	61.704 ppb	93.476 %	100.915 %
Concentration per Run	101.862 %	103.726 %	105.177 %	62.561 ppb	61.952 ppb	93.676 %	99.618 %
Concentration per Run	102.699 %	100.663 %	105.634 %	61.589 ppb	61.396 ppb	93.111 %	101.700 %
Concentration per Run	103.034 %	102.555 %	105.655 %	61.057 ppb	61.765 ppb	93.640 %	101.426 %
Recovery Percentage				102.893 %	102.840 %		
Concentration RSD	0.6 %	1.5 %	0.3 %	1.2 %	0.5 %	0.3 %	1.1 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 19 Analysis started at: 12/8/2025 3:33:59 PM Rack Number 0
Analysis label: CCB Comment <Comment> Vial Numbers 4

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	99.927 %	100.194 %	0.007 ppb	0.319 ppb	18.275 ppb	4.181 ppb	3.890 ppb
Concentration per Run	100.169 %	98.361 %	0.009 ppb	0.364 ppb	18.025 ppb	3.749 ppb	3.241 ppb
Concentration per Run	99.330 %	101.098 %	0.008 ppb	0.308 ppb	20.157 ppb	4.879 ppb	4.600 ppb
Concentration per Run	100.283 %	101.123 %	0.005 ppb	0.285 ppb	16.642 ppb	3.915 ppb	3.828 ppb
Recovery Percentage			1.459 %	3.194 %	3.655 %	5.973 %	38.896 %
Concentration RSD	0.5 %	1.6 %	33.3 %	12.7 %	9.7 %	14.6 %	17.5 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	9.381 ppb	12.903 ppb	102.670 %	101.036 %	-0.194 ppb	0.029 ppb	0.428 ppb
Concentration per Run	8.354 ppb	11.233 ppb	102.300 %	101.331 %	-0.215 ppb	0.030 ppb	0.367 ppb
Concentration per Run	11.393 ppb	12.760 ppb	102.463 %	100.987 %	-0.181 ppb	0.029 ppb	0.514 ppb
Concentration per Run	8.397 ppb	14.717 ppb	103.246 %	100.789 %	-0.186 ppb	0.029 ppb	0.402 ppb
Recovery Percentage	9.381 %	12.903 %			-3.877 %	2.923 %	42.753 %
Concentration RSD	18.6 %	13.5 %	0.5 %	0.3 %	9.6 %	1.5 %	17.9 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	12.396 ppb	0.009 ppb	0.389 ppb	0.515 ppb	0.422 ppb	102.766 %	100.584 %
Concentration per Run	11.379 ppb	0.011 ppb	0.363 ppb	0.464 ppb	0.353 ppb	102.409 %	101.245 %
Concentration per Run	13.149 ppb	0.007 ppb	0.450 ppb	0.574 ppb	0.476 ppb	102.885 %	101.180 %
Concentration per Run	12.661 ppb	0.009 ppb	0.354 ppb	0.506 ppb	0.437 ppb	103.004 %	99.326 %
Recovery Percentage	24.793 %	1.828 %	19.445 %	51.470 %	8.435 %		
Concentration RSD	7.4 %	20.5 %	13.7 %	10.7 %	14.8 %	0.3 %	1.1 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	0.488 ppb	0.121 ppb	-0.007 ppb	0.132 ppb	101.162 %	101.137 %	0.014 ppb
Concentration per Run	0.490 ppb	0.214 ppb	-0.005 ppb	0.130 ppb	100.776 %	101.049 %	0.019 ppb
Concentration per Run	0.477 ppb	-0.003 ppb	-0.009 ppb	0.145 ppb	102.403 %	101.699 %	0.012 ppb
Concentration per Run	0.496 ppb	0.153 ppb	-0.007 ppb	0.119 ppb	100.308 %	100.662 %	0.010 ppb
Recovery Percentage	97.540 %	2.428 %	-1.348 %	6.587 %			3.428 %
Concentration RSD	2.0 %	92.1 %	32.6 %	9.9 %	1.1 %	0.5 %	37.0 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.007 ppb	97.635 %	101.419 %	-0.012 ppb	0.091 ppb	0.398 ppb	100.919 %
Concentration per Run	0.008 ppb	97.252 %	102.295 %	0.015 ppb	0.089 ppb	0.358 ppb	100.992 %
Concentration per Run	0.008 ppb	97.720 %	101.176 %	-0.020 ppb	0.097 ppb	0.464 ppb	101.178 %
Concentration per Run	0.006 ppb	97.933 %	100.786 %	-0.031 ppb	0.088 ppb	0.372 ppb	100.588 %
Recovery Percentage	3.538 %			-0.403 %	2.284 %	79.631 %	
Concentration RSD	18.1 %	0.4 %	0.8 %	199.2 %	5.1 %	14.5 %	0.3 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	103.125 %	106.953 %	99.661 %	0.016 ppb	0.532 ppb	100.573 %	97.201 %
Concentration per Run	96.131 %	106.971 %	100.009 %	0.022 ppb	0.510 ppb	100.241 %	97.723 %
Concentration per Run	106.163 %	106.602 %	99.892 %	0.015 ppb	0.580 ppb	100.541 %	96.702 %
Concentration per Run	107.081 %	107.286 %	99.081 %	0.012 ppb	0.505 ppb	100.937 %	97.178 %
Recovery Percentage				1.636 %	53.186 %		
Concentration RSD	5.9 %	0.3 %	0.5 %	31.7 %	7.9 %	0.3 %	0.5 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 20 | Analysis started at: 12/8/2025 3:49:23 PM | Rack Number 1
Analysis label: L2574531-01 6020TL | Comment <Comment> | Vial Numbers 1

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	102.802 %	99.865 %	0.736 ppb	55.353 ppb	87,565.240 ppb	23,523.841 ppb	11,614.197 ppb
Concentration per Run	101.220 %	97.626 %	0.718 ppb	55.654 ppb	85,578.811 ppb	22,929.849 ppb	11,350.609 ppb
Concentration per Run	103.307 %	100.313 %	0.745 ppb	54.970 ppb	88,138.289 ppb	23,616.274 ppb	11,654.856 ppb
Concentration per Run	103.880 %	101.656 %	0.744 ppb	55.434 ppb	88,978.620 ppb	24,025.399 ppb	11,837.125 ppb
Concentration RSD	1.4 %	2.1 %	2.1 %	0.6 %	2.0 %	2.4 %	2.1 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	4,044.813 ppb	72,254.107 ppb	109.553 %	104.836 %	27.964 ppb	98.770 ppb	2,910.632 ppb
Concentration per Run	3,970.785 ppb	70,135.070 ppb	108.919 %	101.906 %	27.830 ppb	98.395 ppb	2,878.043 ppb
Concentration per Run	4,055.136 ppb	72,506.758 ppb	109.120 %	106.339 %	27.723 ppb	98.310 ppb	2,880.500 ppb
Concentration per Run	4,108.520 ppb	74,120.495 ppb	110.619 %	106.264 %	28.339 ppb	99.604 ppb	2,973.352 ppb
Concentration RSD	1.7 %	2.8 %	0.8 %	2.4 %	1.2 %	0.7 %	1.9 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	30,323.241 ppb	16.505 ppb	27.910 ppb	61.721 ppb	79.910 ppb	102.563 %	100.346 %
Concentration per Run	29,668.782 ppb	16.174 ppb	27.579 ppb	61.447 ppb	79.207 ppb	101.914 %	98.799 %
Concentration per Run	30,080.798 ppb	16.458 ppb	27.741 ppb	62.052 ppb	79.508 ppb	102.978 %	100.942 %
Concentration per Run	31,220.145 ppb	16.883 ppb	28.410 ppb	61.664 ppb	81.015 ppb	102.797 %	101.296 %
Concentration RSD	2.7 %	2.2 %	1.6 %	0.5 %	1.2 %	0.6 %	1.3 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	6.327 ppb	3.307 ppb	241.038 ppb	8.171 ppb	96.643 %	96.592 %	0.121 ppb
Concentration per Run	5.957 ppb	3.526 ppb	234.721 ppb	8.112 ppb	95.631 %	95.756 %	0.120 ppb
Concentration per Run	6.302 ppb	3.075 ppb	239.710 ppb	7.953 ppb	96.822 %	97.627 %	0.123 ppb
Concentration per Run	6.721 ppb	3.321 ppb	248.683 ppb	8.447 ppb	97.477 %	96.394 %	0.120 ppb
Concentration RSD	6.0 %	6.8 %	2.9 %	3.1 %	1.0 %	1.0 %	1.6 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.403 ppb	97.800 %	100.983 %	-0.152 ppb	0.532 ppb	245.813 ppb	103.893 %
Concentration per Run	0.388 ppb	97.326 %	98.657 %	-0.159 ppb	0.528 ppb	245.273 ppb	102.704 %
Concentration per Run	0.382 ppb	97.656 %	102.167 %	-0.157 ppb	0.517 ppb	240.903 ppb	104.086 %
Concentration per Run	0.440 ppb	98.417 %	102.125 %	-0.139 ppb	0.550 ppb	251.262 ppb	104.889 %
Concentration RSD	7.9 %	0.6 %	2.0 %	7.3 %	3.2 %	2.1 %	1.1 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	101.696 %	110.243 %	104.026 %	0.123 ppb	19.443 ppb	93.216 %	92.665 %
Concentration per Run	99.617 %	108.699 %	101.905 %	0.122 ppb	19.455 ppb	92.590 %	91.495 %
Concentration per Run	102.664 %	110.474 %	104.808 %	0.121 ppb	19.217 ppb	93.388 %	93.261 %
Concentration per Run	102.807 %	111.556 %	105.363 %	0.125 ppb	19.656 ppb	93.670 %	93.240 %
Concentration RSD	1.8 %	1.3 %	1.8 %	1.7 %	1.1 %	0.6 %	1.1 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 21 | Analysis started at: 12/8/2025 3:54:59 PM | Rack Number 1
Analysis label: L2575414-01 6020TL | Comment <Comment> | Vial Numbers 2

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	118.699 %	110.373 %	0.039 ppb	1,071.289 ppb	488,702.947 ppb	63,457.037 ppb	107.243 ppb
Concentration per Run	111.623 %	107.560 %	0.043 ppb	1,057.340 ppb	476,567.750 ppb	61,958.858 ppb	100.942 ppb
Concentration per Run	121.586 %	108.878 %	0.040 ppb	1,076.205 ppb	498,757.109 ppb	64,105.346 ppb	110.523 ppb
Concentration per Run	122.887 %	114.681 %	0.033 ppb	1,080.323 ppb	490,783.983 ppb	64,306.908 ppb	110.264 ppb
Concentration RSD	5.2 %	3.4 %	13.8 %	1.1 %	2.3 %	2.1 %	5.1 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	4,183.379 ppb	143,586.410 ppb	127.905 %	110.668 %	1.020 ppb	0.510 ppb	2,407.787 ppb
Concentration per Run	4,066.256 ppb	140,941.599 ppb	119.871 %	105.836 %	0.957 ppb	0.507 ppb	2,395.780 ppb
Concentration per Run	4,256.308 ppb	144,220.072 ppb	130.654 %	111.841 %	0.995 ppb	0.513 ppb	2,400.839 ppb
Concentration per Run	4,227.574 ppb	145,597.558 ppb	133.190 %	114.327 %	1.109 ppb	0.508 ppb	2,426.741 ppb
Concentration RSD	2.4 %	1.7 %	5.5 %	3.9 %	7.8 %	0.6 %	0.7 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	398.169 ppb	19.508 ppb	8.587 ppb	2.368 ppb	7.072 ppb	112.149 %	102.446 %
Concentration per Run	399.960 ppb	19.298 ppb	8.321 ppb	2.243 ppb	7.068 ppb	106.263 %	98.707 %
Concentration per Run	398.162 ppb	19.573 ppb	8.683 ppb	2.361 ppb	6.978 ppb	114.404 %	103.532 %
Concentration per Run	396.387 ppb	19.653 ppb	8.758 ppb	2.498 ppb	7.171 ppb	115.780 %	105.099 %
Concentration RSD	0.4 %	1.0 %	2.7 %	5.4 %	1.4 %	4.6 %	3.3 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	0.508 ppb	0.751 ppb	996.839 ppb	0.436 ppb	102.204 %	95.861 %	0.020 ppb
Concentration per Run	0.523 ppb	0.803 ppb	994.600 ppb	0.426 ppb	96.451 %	93.883 %	0.020 ppb
Concentration per Run	0.487 ppb	0.830 ppb	994.138 ppb	0.438 ppb	105.486 %	95.628 %	0.020 ppb
Concentration per Run	0.516 ppb	0.621 ppb	1,001.779 ppb	0.446 ppb	104.677 %	98.072 %	0.020 ppb
Concentration RSD	3.7 %	15.1 %	0.4 %	2.4 %	4.9 %	2.2 %	1.2 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.183 ppb	102.246 %	102.208 %	1.965 ppb	0.270 ppb	250.477 ppb	109.070 %
Concentration per Run	0.191 ppb	96.857 %	100.039 %	1.964 ppb	0.268 ppb	251.205 ppb	104.194 %
Concentration per Run	0.182 ppb	105.381 %	103.374 %	1.894 ppb	0.266 ppb	246.648 ppb	110.897 %
Concentration per Run	0.176 ppb	104.501 %	103.211 %	2.036 ppb	0.276 ppb	253.579 ppb	112.120 %
Concentration RSD	4.1 %	4.6 %	1.8 %	3.6 %	2.1 %	1.4 %	3.9 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	102.680 %	115.496 %	105.304 %	0.976 ppb	0.781 ppb	89.980 %	83.096 %
Concentration per Run	100.707 %	110.661 %	104.151 %	0.970 ppb	0.720 ppb	88.752 %	82.123 %
Concentration per Run	103.909 %	118.187 %	105.200 %	0.979 ppb	0.804 ppb	94.248 %	83.469 %
Concentration per Run	103.424 %	117.639 %	106.561 %	0.978 ppb	0.819 ppb	86.941 %	83.695 %
Concentration RSD	1.7 %	3.6 %	1.1 %	0.5 %	6.8 %	4.2 %	1.0 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 22
Analysis label: L2575414-03 6020TL
Analysis started at: 12/8/2025 4:00:34 PM
Comment <Comment>
Rack Number 1
Vial Numbers 3

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	133.432 %	135.555 %	0.001 ppb	153.052 ppb	28,890.274 ppb	23,439.372 ppb	1.701 ppb
Concentration per Run	134.058 %	135.969 %	0.002 ppb	153.178 ppb	27,903.409 ppb	22,817.476 ppb	1.789 ppb
Concentration per Run	133.026 %	136.577 %	0.002 ppb	153.306 ppb	29,158.396 ppb	23,543.107 ppb	1.863 ppb
Concentration per Run	133.212 %	134.119 %	0.001 ppb	152.672 ppb	29,609.019 ppb	23,957.533 ppb	1.449 ppb
Concentration RSD	0.4 %	0.9 %	13.1 %	0.2 %	3.1 %	2.5 %	13.0 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	1,476.418 ppb	17,573.259 ppb	138.537 %	143.503 %	-0.121 ppb	0.140 ppb	50.847 ppb
Concentration per Run	1,424.074 ppb	17,200.995 ppb	137.982 %	143.210 %	-0.151 ppb	0.140 ppb	50.378 ppb
Concentration per Run	1,503.005 ppb	17,836.857 ppb	138.887 %	143.230 %	-0.103 ppb	0.125 ppb	51.171 ppb
Concentration per Run	1,502.174 ppb	17,681.924 ppb	138.744 %	144.069 %	-0.109 ppb	0.153 ppb	50.992 ppb
Concentration RSD	3.1 %	1.9 %	0.4 %	0.3 %	21.3 %	10.1 %	0.8 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	1,898.733 ppb	0.038 ppb	0.612 ppb	0.116 ppb	0.180 ppb	130.439 %	136.318 %
Concentration per Run	1,886.793 ppb	0.036 ppb	0.613 ppb	0.107 ppb	0.168 ppb	131.348 %	136.819 %
Concentration per Run	1,923.051 ppb	0.043 ppb	0.613 ppb	0.120 ppb	0.170 ppb	131.478 %	135.813 %
Concentration per Run	1,886.354 ppb	0.036 ppb	0.610 ppb	0.122 ppb	0.201 ppb	128.491 %	136.321 %
Concentration RSD	1.1 %	10.7 %	0.3 %	6.7 %	10.5 %	1.3 %	0.4 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	0.342 ppb	0.173 ppb	274.264 ppb	1.549 ppb	122.511 %	128.122 %	0.004 ppb
Concentration per Run	0.348 ppb	0.144 ppb	271.670 ppb	1.491 ppb	122.783 %	129.447 %	0.005 ppb
Concentration per Run	0.345 ppb	0.093 ppb	276.906 ppb	1.569 ppb	122.876 %	127.848 %	0.004 ppb
Concentration per Run	0.334 ppb	0.281 ppb	274.216 ppb	1.588 ppb	121.873 %	127.071 %	0.003 ppb
Concentration RSD	2.2 %	56.1 %	1.0 %	3.3 %	0.5 %	0.9 %	27.9 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.001 ppb	117.283 %	131.365 %	-0.585 ppb	-0.001 ppb	32.211 ppb	117.663 %
Concentration per Run	0.001 ppb	117.172 %	132.198 %	-0.678 ppb	-0.003 ppb	31.791 ppb	117.083 %
Concentration per Run	0.002 ppb	116.944 %	131.108 %	-0.656 ppb	0.001 ppb	32.613 ppb	118.252 %
Concentration per Run	0.001 ppb	117.734 %	130.790 %	-0.422 ppb	-0.003 ppb	32.228 ppb	117.656 %
Concentration RSD	46.8 %	0.3 %	0.6 %	24.2 %	147.1 %	1.3 %	0.5 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	121.670 %	125.067 %	124.403 %	0.001 ppb	0.043 ppb	107.377 %	106.357 %
Concentration per Run	122.183 %	124.873 %	124.655 %	0.002 ppb	0.043 ppb	107.954 %	106.613 %
Concentration per Run	120.976 %	125.781 %	124.422 %	0.001 ppb	0.041 ppb	107.586 %	106.009 %
Concentration per Run	121.852 %	124.547 %	124.134 %	0.001 ppb	0.045 ppb	106.589 %	106.450 %
Concentration RSD	0.5 %	0.5 %	0.2 %	22.3 %	4.3 %	0.7 %	0.3 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 23
Analysis label: L2575414-05 6020TL
Analysis started at: 12/8/2025 4:06:10 PM
Comment <Comment>
Rack Number 1
Vial Numbers 4

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	125.175 %	128.045 %	0.026 ppb	180.291 ppb	33,242.163 ppb	2,402.500 ppb	471.691 ppb
Concentration per Run	124.964 %	127.606 %	0.025 ppb	179.676 ppb	32,693.605 ppb	2,361.817 ppb	473.734 ppb
Concentration per Run	125.531 %	126.896 %	0.028 ppb	179.319 ppb	33,639.645 ppb	2,427.474 ppb	470.865 ppb
Concentration per Run	125.031 %	129.633 %	0.026 ppb	181.879 ppb	33,393.238 ppb	2,418.207 ppb	470.475 ppb
Concentration RSD	0.2 %	1.1 %	4.8 %	0.8 %	1.5 %	1.5 %	0.4 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	1,809.823 ppb	19,883.261 ppb	130.798 %	135.874 %	2.087 ppb	0.986 ppb	155.817 ppb
Concentration per Run	1,769.533 ppb	19,632.534 ppb	131.584 %	137.226 %	2.075 ppb	0.983 ppb	150.673 ppb
Concentration per Run	1,822.049 ppb	20,072.946 ppb	130.425 %	135.210 %	2.066 ppb	0.974 ppb	158.964 ppb
Concentration per Run	1,837.887 ppb	19,944.302 ppb	130.384 %	135.187 %	2.120 ppb	1.000 ppb	157.814 ppb
Concentration RSD	2.0 %	1.1 %	0.5 %	0.9 %	1.4 %	1.3 %	2.9 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	886.562 ppb	0.355 ppb	1.181 ppb	2.888 ppb	3.989 ppb	125.863 %	130.833 %
Concentration per Run	875.116 ppb	0.344 ppb	1.223 ppb	2.810 ppb	3.841 ppb	126.617 %	132.478 %
Concentration per Run	891.937 ppb	0.359 ppb	1.129 ppb	2.894 ppb	4.061 ppb	124.933 %	130.723 %
Concentration per Run	892.631 ppb	0.363 ppb	1.191 ppb	2.960 ppb	4.066 ppb	126.038 %	129.299 %
Concentration RSD	1.1 %	2.8 %	4.0 %	2.6 %	3.2 %	0.7 %	1.2 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	1.876 ppb	0.138 ppb	135.027 ppb	10.937 ppb	118.595 %	123.794 %	0.007 ppb
Concentration per Run	1.921 ppb	0.208 ppb	133.008 ppb	10.700 ppb	118.318 %	125.049 %	0.008 ppb
Concentration per Run	1.710 ppb	0.009 ppb	134.682 ppb	10.900 ppb	119.222 %	125.455 %	0.006 ppb
Concentration per Run	1.997 ppb	0.196 ppb	137.390 ppb	11.211 ppb	118.244 %	120.878 %	0.007 ppb
Concentration RSD	7.9 %	81.3 %	1.6 %	2.4 %	0.5 %	2.0 %	15.5 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.087 ppb	114.837 %	126.146 %	-0.669 ppb	0.052 ppb	21.842 ppb	118.639 %
Concentration per Run	0.080 ppb	115.552 %	126.356 %	-0.672 ppb	0.047 ppb	21.631 ppb	118.997 %
Concentration per Run	0.088 ppb	114.139 %	125.670 %	-0.681 ppb	0.050 ppb	21.944 ppb	118.003 %
Concentration per Run	0.092 ppb	114.820 %	126.411 %	-0.656 ppb	0.060 ppb	21.951 ppb	118.917 %
Concentration RSD	7.1 %	0.6 %	0.3 %	1.9 %	13.1 %	0.8 %	0.5 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	118.714 %	124.537 %	122.573 %	0.005 ppb	1.053 ppb	109.504 %	105.851 %
Concentration per Run	118.910 %	123.651 %	123.175 %	0.006 ppb	1.029 ppb	108.908 %	106.407 %
Concentration per Run	119.152 %	124.863 %	122.950 %	0.005 ppb	1.070 ppb	109.864 %	105.360 %
Concentration per Run	118.079 %	125.096 %	121.592 %	0.006 ppb	1.059 ppb	109.741 %	105.786 %
Concentration RSD	0.5 %	0.6 %	0.7 %	9.1 %	2.0 %	0.5 %	0.5 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 24
Analysis label: L2575414-07 6020TL
Analysis started at: 12/8/2025 4:11:45 PM
Comment <Comment>
Rack Number 1
Vial Numbers 5

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	130.834 %	130.115 %	0.003 ppb	70.138 ppb	28,471.492 ppb	25,938.881 ppb	4.100 ppb
Concentration per Run	129.002 %	129.887 %	0.002 ppb	70.550 ppb	27,392.741 ppb	25,020.288 ppb	4.190 ppb
Concentration per Run	132.033 %	131.509 %	0.005 ppb	69.656 ppb	28,715.205 ppb	26,004.581 ppb	4.314 ppb
Concentration per Run	131.466 %	128.949 %	0.002 ppb	70.207 ppb	29,306.531 ppb	26,791.774 ppb	3.795 ppb
Concentration RSD	1.2 %	1.0 %	69.0 %	0.6 %	3.4 %	3.4 %	6.6 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	1,502.185 ppb	23,695.286 ppb	138.596 %	135.149 %	-0.095 ppb	0.363 ppb	75.477 ppb
Concentration per Run	1,439.658 ppb	23,039.035 ppb	136.712 %	134.187 %	-0.108 ppb	0.354 ppb	74.243 ppb
Concentration per Run	1,516.151 ppb	23,811.262 ppb	140.533 %	134.865 %	-0.088 ppb	0.374 ppb	76.297 ppb
Concentration per Run	1,550.746 ppb	24,235.562 ppb	138.541 %	136.395 %	-0.091 ppb	0.360 ppb	75.892 ppb
Concentration RSD	3.8 %	2.6 %	1.4 %	0.8 %	11.4 %	2.8 %	1.4 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	1,938.234 ppb	0.042 ppb	0.286 ppb	0.311 ppb	7.665 ppb	130.466 %	127.391 %
Concentration per Run	1,886.298 ppb	0.038 ppb	0.275 ppb	0.304 ppb	7.496 ppb	129.731 %	126.266 %
Concentration per Run	1,967.525 ppb	0.043 ppb	0.306 ppb	0.301 ppb	7.806 ppb	129.989 %	128.535 %
Concentration per Run	1,960.879 ppb	0.044 ppb	0.277 ppb	0.328 ppb	7.692 ppb	131.679 %	127.372 %
Concentration RSD	2.3 %	7.9 %	6.1 %	4.7 %	2.0 %	0.8 %	0.9 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	0.201 ppb	-0.010 ppb	202.859 ppb	0.896 ppb	121.732 %	121.741 %	0.000 ppb
Concentration per Run	0.195 ppb	-0.035 ppb	198.689 ppb	0.853 ppb	120.366 %	122.150 %	0.000 ppb
Concentration per Run	0.224 ppb	0.075 ppb	202.899 ppb	0.891 ppb	124.360 %	122.775 %	0.000 ppb
Concentration per Run	0.183 ppb	-0.070 ppb	206.990 ppb	0.945 ppb	120.470 %	120.298 %	-0.001 ppb
Concentration RSD	10.5 %	772.0 %	2.0 %	5.1 %	1.9 %	1.1 %	120.5 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.003 ppb	117.386 %	123.072 %	-0.655 ppb	-0.003 ppb	184.366 ppb	118.663 %
Concentration per Run	0.002 ppb	115.680 %	122.853 %	-0.667 ppb	-0.005 ppb	182.483 ppb	117.911 %
Concentration per Run	0.004 ppb	119.267 %	124.389 %	-0.664 ppb	-0.002 ppb	182.260 ppb	119.243 %
Concentration per Run	0.003 ppb	117.211 %	121.973 %	-0.633 ppb	0.000 ppb	188.355 ppb	118.835 %
Concentration RSD	41.9 %	1.5 %	1.0 %	2.8 %	99.2 %	1.9 %	0.6 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	116.163 %	124.847 %	118.600 %	0.001 ppb	0.043 ppb	108.017 %	105.089 %
Concentration per Run	115.617 %	124.057 %	118.841 %	0.000 ppb	0.035 ppb	107.787 %	107.694 %
Concentration per Run	116.823 %	125.469 %	119.152 %	0.001 ppb	0.045 ppb	108.656 %	108.023 %
Concentration per Run	116.047 %	125.015 %	117.809 %	0.001 ppb	0.050 ppb	107.610 %	99.549 %
Concentration RSD	0.5 %	0.6 %	0.6 %	35.6 %	16.5 %	0.5 %	4.6 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 25
Analysis label: L2575414-09 6020TL
Analysis started at: 12/8/2025 4:17:20 PM
Comment <Comment>
Rack Number 1
Vial Numbers 6

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	126.861 %	133.156 %	0.002 ppb	214.319 ppb	32,198.071 ppb	20,811.457 ppb	2.226 ppb
Concentration per Run	125.923 %	132.903 %	0.002 ppb	214.726 ppb	31,418.238 ppb	20,456.781 ppb	2.259 ppb
Concentration per Run	126.644 %	133.789 %	0.003 ppb	215.074 ppb	32,518.620 ppb	21,031.984 ppb	2.351 ppb
Concentration per Run	128.017 %	132.776 %	0.002 ppb	213.158 ppb	32,657.353 ppb	20,945.606 ppb	2.069 ppb
Concentration RSD	0.8 %	0.4 %	28.8 %	0.5 %	2.1 %	1.5 %	6.5 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	932.988 ppb	11,516.260 ppb	130.660 %	140.686 %	0.033 ppb	0.133 ppb	21.832 ppb
Concentration per Run	915.600 ppb	11,198.352 ppb	130.618 %	140.516 %	0.041 ppb	0.135 ppb	21.680 ppb
Concentration per Run	936.082 ppb	11,657.599 ppb	129.800 %	140.991 %	0.022 ppb	0.135 ppb	22.034 ppb
Concentration per Run	947.281 ppb	11,692.829 ppb	131.562 %	140.551 %	0.036 ppb	0.128 ppb	21.780 ppb
Concentration RSD	1.7 %	2.4 %	0.7 %	0.2 %	28.9 %	3.2 %	0.8 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	787.624 ppb	0.013 ppb	0.132 ppb	0.144 ppb	1.146 ppb	123.928 %	134.857 %
Concentration per Run	777.876 ppb	0.015 ppb	0.134 ppb	0.138 ppb	1.153 ppb	123.788 %	134.769 %
Concentration per Run	793.899 ppb	0.013 ppb	0.118 ppb	0.141 ppb	1.158 ppb	124.434 %	135.097 %
Concentration per Run	791.098 ppb	0.011 ppb	0.144 ppb	0.154 ppb	1.127 ppb	123.563 %	134.704 %
Concentration RSD	1.1 %	13.3 %	9.9 %	5.8 %	1.4 %	0.4 %	0.2 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	0.429 ppb	0.000 ppb	273.460 ppb	0.760 ppb	116.270 %	126.827 %	0.001 ppb
Concentration per Run	0.460 ppb	-0.072 ppb	273.691 ppb	0.752 ppb	115.146 %	126.218 %	0.001 ppb
Concentration per Run	0.411 ppb	0.120 ppb	273.041 ppb	0.766 ppb	116.379 %	128.246 %	0.003 ppb
Concentration per Run	0.416 ppb	-0.047 ppb	273.648 ppb	0.763 ppb	117.285 %	126.018 %	0.000 ppb
Concentration RSD	6.3 %	63,651.4 %	0.1 %	0.9 %	0.9 %	1.0 %	122.2 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.000 ppb	110.296 %	130.158 %	-0.689 ppb	-0.001 ppb	12.359 ppb	110.493 %
Concentration per Run	0.001 ppb	109.446 %	131.254 %	-0.696 ppb	-0.003 ppb	12.072 ppb	109.398 %
Concentration per Run	0.000 ppb	110.404 %	129.642 %	-0.696 ppb	0.001 ppb	12.516 ppb	109.718 %
Concentration per Run	0.000 ppb	111.037 %	129.579 %	-0.676 ppb	0.001 ppb	12.489 ppb	112.364 %
Concentration RSD	120.7 %	0.7 %	0.7 %	1.6 %	365.1 %	2.0 %	1.5 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	120.210 %	115.848 %	123.559 %	0.000 ppb	0.031 ppb	100.844 %	104.965 %
Concentration per Run	122.978 %	115.914 %	125.109 %	0.000 ppb	0.026 ppb	101.062 %	105.839 %
Concentration per Run	118.871 %	116.395 %	123.092 %	0.000 ppb	0.032 ppb	101.174 %	105.048 %
Concentration per Run	118.780 %	115.236 %	122.476 %	0.000 ppb	0.034 ppb	100.296 %	104.010 %
Concentration RSD	2.0 %	0.5 %	1.1 %	57.3 %	14.4 %	0.5 %	0.9 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 26
Analysis label: L2575414-11 6020TL
Analysis started at: 12/8/2025 4:22:55 PM
Comment <Comment>
Rack Number 1
Vial Numbers 7

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	116.241 %	117.359 %	0.078 ppb	86.556 ppb	46,800.958 ppb	12,187.618 ppb	3,722.533 ppb
Concentration per Run	115.882 %	120.079 %	0.084 ppb	86.111 ppb	46,062.074 ppb	12,097.033 ppb	3,711.897 ppb
Concentration per Run	116.374 %	114.884 %	0.069 ppb	86.729 ppb	47,648.166 ppb	12,442.359 ppb	3,803.036 ppb
Concentration per Run	116.468 %	117.114 %	0.080 ppb	86.827 ppb	46,692.634 ppb	12,023.464 ppb	3,652.666 ppb
Concentration RSD	0.3 %	2.2 %	10.0 %	0.4 %	1.7 %	1.8 %	2.0 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	5,302.193 ppb	38,854.109 ppb	121.834 %	122.702 %	5.075 ppb	4.402 ppb	338.610 ppb
Concentration per Run	5,260.302 ppb	38,756.361 ppb	121.616 %	124.062 %	5.112 ppb	4.437 ppb	340.843 ppb
Concentration per Run	5,375.751 ppb	39,236.738 ppb	122.306 %	121.128 %	5.029 ppb	4.442 ppb	338.445 ppb
Concentration per Run	5,270.525 ppb	38,569.228 ppb	121.581 %	122.915 %	5.084 ppb	4.327 ppb	336.542 ppb
Concentration RSD	1.2 %	0.9 %	0.3 %	1.2 %	0.8 %	1.5 %	0.6 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	4,145.655 ppb	1.748 ppb	3.733 ppb	11.964 ppb	33.952 ppb	117.247 %	114.379 %
Concentration per Run	4,192.550 ppb	1.805 ppb	3.688 ppb	12.101 ppb	33.569 ppb	115.812 %	114.915 %
Concentration per Run	4,148.776 ppb	1.737 ppb	3.749 ppb	11.892 ppb	33.921 ppb	118.306 %	114.331 %
Concentration per Run	4,095.638 ppb	1.703 ppb	3.760 ppb	11.900 ppb	34.366 ppb	117.624 %	113.891 %
Concentration RSD	1.2 %	3.0 %	1.0 %	1.0 %	1.2 %	1.1 %	0.4 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	1.731 ppb	0.131 ppb	286.494 ppb	0.395 ppb	109.535 %	109.365 %	0.219 ppb
Concentration per Run	1.767 ppb	0.044 ppb	288.380 ppb	0.388 ppb	109.347 %	110.819 %	0.223 ppb
Concentration per Run	1.785 ppb	0.176 ppb	284.144 ppb	0.421 ppb	110.002 %	109.104 %	0.214 ppb
Concentration per Run	1.641 ppb	0.173 ppb	286.957 ppb	0.375 ppb	109.256 %	108.173 %	0.222 ppb
Concentration RSD	4.5 %	57.5 %	0.8 %	6.0 %	0.4 %	1.2 %	2.2 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.099 ppb	107.519 %	112.693 %	-0.444 ppb	0.274 ppb	86.545 ppb	110.348 %
Concentration per Run	0.092 ppb	107.633 %	112.251 %	-0.420 ppb	0.267 ppb	87.626 ppb	110.886 %
Concentration per Run	0.101 ppb	108.366 %	113.117 %	-0.468 ppb	0.282 ppb	86.312 ppb	110.045 %
Concentration per Run	0.104 ppb	106.557 %	112.709 %	-0.443 ppb	0.273 ppb	85.697 ppb	110.114 %
Concentration RSD	6.5 %	0.8 %	0.4 %	5.4 %	2.7 %	1.1 %	0.4 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	106.185 %	118.054 %	109.948 %	0.021 ppb	11.516 ppb	101.504 %	99.024 %
Concentration per Run	106.605 %	119.140 %	109.958 %	0.021 ppb	11.609 ppb	101.483 %	98.809 %
Concentration per Run	105.074 %	117.308 %	110.575 %	0.020 ppb	11.500 ppb	101.562 %	98.993 %
Concentration per Run	106.875 %	117.714 %	109.310 %	0.021 ppb	11.440 ppb	101.466 %	99.269 %
Concentration RSD	0.9 %	0.8 %	0.6 %	2.5 %	0.7 %	0.1 %	0.2 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 27
Analysis label: L2575414-13 6020TL
Analysis started at: 12/8/2025 4:28:30 PM
Comment <Comment>
Rack Number 1
Vial Numbers 8

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	119.106 %	120.586 %	0.014 ppb	417.691 ppb	294,039.612 ppb	20,716.580 ppb	67.961 ppb
Concentration per Run	117.489 %	114.402 %	0.015 ppb	418.137 ppb	291,725.480 ppb	20,812.348 ppb	67.504 ppb
Concentration per Run	119.451 %	121.954 %	0.018 ppb	419.090 ppb	294,905.845 ppb	20,707.196 ppb	67.889 ppb
Concentration per Run	120.379 %	125.401 %	0.009 ppb	415.845 ppb	295,487.512 ppb	20,630.195 ppb	68.490 ppb
Concentration RSD	1.2 %	4.7 %	35.3 %	0.4 %	0.7 %	0.4 %	0.7 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	533.247 ppb	57,777.141 ppb	124.935 %	126.925 %	0.540 ppb	0.531 ppb	154.545 ppb
Concentration per Run	518.676 ppb	56,372.807 ppb	122.982 %	124.349 %	0.541 ppb	0.515 ppb	153.495 ppb
Concentration per Run	540.692 ppb	58,321.153 ppb	125.547 %	127.298 %	0.551 ppb	0.535 ppb	155.000 ppb
Concentration per Run	540.372 ppb	58,637.462 ppb	126.277 %	129.127 %	0.526 ppb	0.543 ppb	155.139 ppb
Concentration RSD	2.4 %	2.1 %	1.4 %	1.9 %	2.3 %	2.8 %	0.6 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	223.814 ppb	0.446 ppb	1.320 ppb	2.955 ppb	1.938 ppb	113.707 %	117.772 %
Concentration per Run	220.129 ppb	0.447 ppb	1.315 ppb	2.997 ppb	1.961 ppb	112.497 %	115.892 %
Concentration per Run	225.843 ppb	0.454 ppb	1.295 ppb	2.895 ppb	1.846 ppb	113.568 %	117.173 %
Concentration per Run	225.472 ppb	0.436 ppb	1.349 ppb	2.972 ppb	2.008 ppb	115.055 %	120.251 %
Concentration RSD	1.4 %	2.1 %	2.1 %	1.8 %	4.3 %	1.1 %	1.9 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	0.354 ppb	0.139 ppb	297.243 ppb	0.146 ppb	102.508 %	109.352 %	0.017 ppb
Concentration per Run	0.353 ppb	0.111 ppb	295.101 ppb	0.151 ppb	103.435 %	108.409 %	0.012 ppb
Concentration per Run	0.319 ppb	0.112 ppb	300.301 ppb	0.139 ppb	102.187 %	108.860 %	0.018 ppb
Concentration per Run	0.388 ppb	0.193 ppb	296.327 ppb	0.149 ppb	101.903 %	110.789 %	0.021 ppb
Concentration RSD	9.7 %	34.3 %	0.9 %	4.6 %	0.8 %	1.2 %	27.8 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.059 ppb	101.531 %	116.234 %	-0.643 ppb	0.141 ppb	79.941 ppb	106.244 %
Concentration per Run	0.063 ppb	100.762 %	115.715 %	-0.661 ppb	0.127 ppb	78.557 ppb	106.486 %
Concentration per Run	0.054 ppb	100.993 %	115.961 %	-0.652 ppb	0.152 ppb	80.484 ppb	106.007 %
Concentration per Run	0.060 ppb	102.837 %	117.025 %	-0.615 ppb	0.145 ppb	80.783 ppb	106.238 %
Concentration RSD	7.6 %	1.1 %	0.6 %	3.8 %	8.8 %	1.5 %	0.2 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	112.369 %	112.891 %	116.442 %	0.003 ppb	0.432 ppb	88.462 %	95.380 %
Concentration per Run	112.216 %	112.923 %	116.318 %	0.003 ppb	0.434 ppb	88.518 %	94.390 %
Concentration per Run	112.379 %	112.971 %	115.433 %	0.003 ppb	0.428 ppb	88.459 %	95.555 %
Concentration per Run	112.512 %	112.777 %	117.576 %	0.004 ppb	0.433 ppb	88.408 %	96.194 %
Concentration RSD	0.1 %	0.1 %	0.9 %	9.7 %	0.8 %	0.1 %	1.0 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 28 | Analysis started at: 12/8/2025 4:34:06 PM | Rack Number 0
Analysis label: CCV | Comment <Comment> | Vial Numbers 3

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	122.073 %	134.203 %	61.500 ppb	60.968 ppb	6,029.785 ppb	6,269.872 ppb	61.174 ppb
Concentration per Run	122.569 %	135.057 %	61.364 ppb	61.101 ppb	5,992.302 ppb	6,276.222 ppb	60.375 ppb
Concentration per Run	122.006 %	134.803 %	61.568 ppb	60.488 ppb	5,987.933 ppb	6,188.843 ppb	60.785 ppb
Concentration per Run	121.644 %	132.751 %	61.568 ppb	61.315 ppb	6,109.121 ppb	6,344.553 ppb	62.362 ppb
Recovery Percentage			102.500 %	101.613 %	100.496 %	104.498 %	101.957 %
Concentration RSD	0.4 %	0.9 %	0.2 %	0.7 %	1.1 %	1.2 %	1.7 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	5,922.151 ppb	5,794.857 ppb	126.099 %	135.637 %	62.556 ppb	62.412 ppb	62.023 ppb
Concentration per Run	5,829.452 ppb	5,711.190 ppb	127.356 %	137.743 %	62.293 ppb	62.956 ppb	61.899 ppb
Concentration per Run	5,854.939 ppb	5,780.699 ppb	126.349 %	136.728 %	61.955 ppb	61.732 ppb	60.892 ppb
Concentration per Run	6,082.062 ppb	5,892.681 ppb	124.591 %	132.440 %	63.418 ppb	62.546 ppb	63.278 ppb
Recovery Percentage	98.703 %	96.581 %			104.259 %	104.019 %	103.372 %
Concentration RSD	2.3 %	1.6 %	1.1 %	2.1 %	1.2 %	1.0 %	1.9 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	6,221.761 ppb	62.177 ppb	62.240 ppb	62.732 ppb	60.264 ppb	123.499 %	131.894 %
Concentration per Run	6,211.283 ppb	61.808 ppb	62.046 ppb	63.210 ppb	60.053 ppb	124.110 %	134.708 %
Concentration per Run	6,204.601 ppb	61.254 ppb	61.821 ppb	62.360 ppb	60.089 ppb	123.930 %	131.092 %
Concentration per Run	6,249.399 ppb	63.468 ppb	62.852 ppb	62.625 ppb	60.652 ppb	122.456 %	129.883 %
Recovery Percentage	103.696 %	103.628 %	103.733 %	104.553 %	100.441 %		
Concentration RSD	0.4 %	1.9 %	0.9 %	0.7 %	0.6 %	0.7 %	1.9 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	61.365 ppb	59.717 ppb	59.686 ppb	61.074 ppb	118.286 %	126.992 %	61.707 ppb
Concentration per Run	61.446 ppb	59.559 ppb	58.836 ppb	60.677 ppb	117.960 %	128.448 %	61.015 ppb
Concentration per Run	60.409 ppb	60.099 ppb	59.728 ppb	60.477 ppb	118.668 %	127.915 %	61.527 ppb
Concentration per Run	62.240 ppb	59.493 ppb	60.493 ppb	62.069 ppb	118.229 %	124.615 %	62.578 ppb
Recovery Percentage	102.275 %	99.528 %	99.476 %	101.790 %			102.845 %
Concentration RSD	1.5 %	0.6 %	1.4 %	1.4 %	0.3 %	1.6 %	1.3 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	61.675 ppb	112.776 %	129.969 %	58.954 ppb	60.513 ppb	64.716 ppb	114.590 %
Concentration per Run	60.822 ppb	113.596 %	132.521 %	58.096 ppb	59.429 ppb	64.302 ppb	114.336 %
Concentration per Run	61.573 ppb	113.797 %	130.033 %	58.661 ppb	60.550 ppb	63.542 ppb	114.794 %
Concentration per Run	62.630 ppb	110.934 %	127.354 %	60.107 ppb	61.560 ppb	66.305 ppb	114.639 %
Recovery Percentage	102.791 %			98.257 %	100.855 %	107.860 %	
Concentration RSD	1.5 %	1.4 %	2.0 %	1.8 %	1.8 %	2.2 %	0.2 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	119.753 %	121.089 %	122.719 %	66.109 ppb	65.913 ppb	110.134 %	109.302 %
Concentration per Run	121.907 %	121.870 %	121.856 %	66.038 ppb	65.657 ppb	109.536 %	110.120 %
Concentration per Run	119.265 %	120.970 %	123.493 %	66.196 ppb	66.028 ppb	110.223 %	108.955 %
Concentration per Run	118.087 %	120.427 %	122.809 %	66.091 ppb	66.053 ppb	110.642 %	108.831 %
Recovery Percentage				110.181 %	109.854 %		
Concentration RSD	1.6 %	0.6 %	0.7 %	0.1 %	0.3 %	0.5 %	0.7 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 29 Analysis started at: 12/8/2025 4:39:42 PM Rack Number 0
Analysis label: CCB Comment <Comment> Vial Numbers 4

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	115.818 %	122.512 %	0.004 ppb	1.324 ppb	21.173 ppb	0.245 ppb	-0.510 ppb
Concentration per Run	117.043 %	124.134 %	0.007 ppb	1.455 ppb	21.557 ppb	0.266 ppb	-0.584 ppb
Concentration per Run	115.699 %	120.966 %	0.004 ppb	1.312 ppb	21.605 ppb	0.317 ppb	-0.548 ppb
Concentration per Run	114.712 %	122.436 %	0.003 ppb	1.205 ppb	20.355 ppb	0.153 ppb	-0.399 ppb
Recovery Percentage			0.883 %	13.236 %	4.235 %	0.350 %	-5.102 %
Concentration RSD	1.0 %	1.3 %	44.1 %	9.5 %	3.3 %	34.3 %	19.2 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	2.597 ppb	-0.836 ppb	115.633 %	123.925 %	-0.219 ppb	-0.013 ppb	0.072 ppb
Concentration per Run	3.304 ppb	-0.965 ppb	115.232 %	123.768 %	-0.228 ppb	-0.017 ppb	0.069 ppb
Concentration per Run	1.989 ppb	-1.759 ppb	115.553 %	124.152 %	-0.215 ppb	-0.012 ppb	0.071 ppb
Concentration per Run	2.497 ppb	0.215 ppb	116.114 %	123.855 %	-0.214 ppb	-0.010 ppb	0.076 ppb
Recovery Percentage	2.597 %	-0.836 %			-4.378 %	-1.284 %	7.177 %
Concentration RSD	25.5 %	118.7 %	0.4 %	0.2 %	3.4 %	28.0 %	4.7 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	0.720 ppb	0.007 ppb	0.010 ppb	0.029 ppb	0.015 ppb	115.163 %	120.941 %
Concentration per Run	0.769 ppb	0.009 ppb	0.011 ppb	0.023 ppb	0.037 ppb	115.614 %	120.341 %
Concentration per Run	1.074 ppb	0.009 ppb	-0.003 ppb	0.027 ppb	0.036 ppb	115.528 %	122.127 %
Concentration per Run	0.319 ppb	0.004 ppb	0.023 ppb	0.037 ppb	-0.028 ppb	114.346 %	120.354 %
Recovery Percentage	1.441 %	1.463 %	0.522 %	2.878 %	0.294 %		
Concentration RSD	52.7 %	36.7 %	128.5 %	25.9 %	252.4 %	0.6 %	0.8 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	0.106 ppb	0.091 ppb	0.001 ppb	0.036 ppb	112.704 %	119.312 %	0.014 ppb
Concentration per Run	0.112 ppb	0.192 ppb	0.002 ppb	0.041 ppb	112.398 %	120.427 %	0.019 ppb
Concentration per Run	0.113 ppb	-0.001 ppb	0.001 ppb	0.037 ppb	114.070 %	118.132 %	0.011 ppb
Concentration per Run	0.094 ppb	0.083 ppb	0.001 ppb	0.030 ppb	111.644 %	119.377 %	0.011 ppb
Recovery Percentage	21.253 %	1.829 %	0.287 %	1.801 %			3.402 %
Concentration RSD	10.0 %	105.8 %	51.8 %	15.2 %	1.1 %	1.0 %	31.6 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.006 ppb	105.562 %	119.285 %	-0.009 ppb	0.086 ppb	0.013 ppb	106.603 %
Concentration per Run	0.009 ppb	105.087 %	119.794 %	0.028 ppb	0.104 ppb	0.017 ppb	106.797 %
Concentration per Run	0.006 ppb	105.914 %	119.215 %	-0.032 ppb	0.076 ppb	0.012 ppb	107.160 %
Concentration per Run	0.003 ppb	105.685 %	118.845 %	-0.022 ppb	0.079 ppb	0.011 ppb	105.851 %
Recovery Percentage	3.071 %			-0.299 %	2.162 %	2.681 %	
Concentration RSD	46.8 %	0.4 %	0.4 %	362.5 %	17.8 %	25.9 %	0.6 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	111.983 %	113.324 %	115.046 %	0.017 ppb	0.026 ppb	105.342 %	105.610 %
Concentration per Run	112.667 %	112.600 %	117.038 %	0.023 ppb	0.030 ppb	105.425 %	105.396 %
Concentration per Run	111.505 %	114.709 %	114.584 %	0.016 ppb	0.025 ppb	105.025 %	105.644 %
Concentration per Run	111.778 %	112.663 %	113.514 %	0.012 ppb	0.023 ppb	105.576 %	105.788 %
Recovery Percentage				1.680 %	2.593 %		
Concentration RSD	0.5 %	1.1 %	1.6 %	33.1 %	13.9 %	0.3 %	0.2 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 30
Analysis label: I2574309-01 6020TL
Analysis started at: 12/8/2025 5:14:04 PM
Comment <Comment>
Rack Number 1
Vial Numbers 9

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	120.076 %	119.217 %	0.059 ppb	23.539 ppb	76,638.581 ppb	48,163.887 ppb	1,477.782 ppb
Concentration per Run	120.405 %	118.787 %	0.053 ppb	23.231 ppb	73,649.873 ppb	46,210.350 ppb	1,442.931 ppb
Concentration per Run	120.368 %	120.155 %	0.060 ppb	23.743 ppb	77,603.965 ppb	48,358.352 ppb	1,471.043 ppb
Concentration per Run	119.456 %	118.711 %	0.062 ppb	23.644 ppb	78,661.905 ppb	49,922.958 ppb	1,519.370 ppb
Concentration RSD	0.4 %	0.7 %	8.3 %	1.2 %	3.4 %	3.9 %	2.6 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	1,536.305 ppb	126,244.395 ppb	126.123 %	125.645 %	1.928 ppb	2.720 ppb	45.733 ppb
Concentration per Run	1,497.049 ppb	124,407.191 ppb	126.395 %	119.414 %	1.927 ppb	2.700 ppb	45.061 ppb
Concentration per Run	1,541.774 ppb	127,812.778 ppb	126.381 %	126.399 %	1.922 ppb	2.698 ppb	45.809 ppb
Concentration per Run	1,570.092 ppb	126,513.215 ppb	125.593 %	131.122 %	1.933 ppb	2.761 ppb	46.329 ppb
Concentration RSD	2.4 %	1.4 %	0.4 %	4.7 %	0.3 %	1.3 %	1.4 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	2,803.688 ppb	0.853 ppb	2.747 ppb	2.033 ppb	5.658 ppb	116.587 %	116.489 %
Concentration per Run	2,779.717 ppb	0.864 ppb	2.740 ppb	1.987 ppb	5.551 ppb	115.668 %	113.237 %
Concentration per Run	2,805.209 ppb	0.876 ppb	2.803 ppb	2.091 ppb	5.558 ppb	116.348 %	116.837 %
Concentration per Run	2,826.138 ppb	0.820 ppb	2.699 ppb	2.020 ppb	5.866 ppb	117.746 %	119.392 %
Concentration RSD	0.8 %	3.5 %	1.9 %	2.6 %	3.2 %	0.9 %	2.7 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	0.432 ppb	0.362 ppb	1,136.574 ppb	0.831 ppb	110.391 %	112.151 %	0.029 ppb
Concentration per Run	0.438 ppb	0.309 ppb	1,122.347 ppb	0.833 ppb	110.059 %	110.550 %	0.027 ppb
Concentration per Run	0.449 ppb	0.394 ppb	1,132.118 ppb	0.849 ppb	110.946 %	112.179 %	0.030 ppb
Concentration per Run	0.409 ppb	0.382 ppb	1,155.257 ppb	0.810 ppb	110.167 %	113.725 %	0.029 ppb
Concentration RSD	4.8 %	12.7 %	1.5 %	2.4 %	0.4 %	1.4 %	5.4 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.014 ppb	106.897 %	116.523 %	-0.596 ppb	0.036 ppb	60.435 ppb	112.284 %
Concentration per Run	0.015 ppb	106.942 %	113.557 %	-0.595 ppb	0.031 ppb	59.681 ppb	113.233 %
Concentration per Run	0.015 ppb	106.739 %	116.658 %	-0.589 ppb	0.035 ppb	60.786 ppb	112.323 %
Concentration per Run	0.011 ppb	107.011 %	119.353 %	-0.603 ppb	0.041 ppb	60.837 ppb	111.296 %
Concentration RSD	14.6 %	0.1 %	2.5 %	1.1 %	14.3 %	1.1 %	0.9 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	114.987 %	118.488 %	116.870 %	0.021 ppb	0.922 ppb	96.279 %	100.611 %
Concentration per Run	114.205 %	118.819 %	115.211 %	0.023 ppb	0.933 ppb	97.012 %	100.041 %
Concentration per Run	114.496 %	119.062 %	117.374 %	0.020 ppb	0.925 ppb	95.931 %	100.198 %
Concentration per Run	116.259 %	117.583 %	118.024 %	0.021 ppb	0.907 ppb	95.894 %	101.595 %
Concentration RSD	1.0 %	0.7 %	1.3 %	7.0 %	1.4 %	0.7 %	0.9 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 31
Analysis label: I2574309-02 6020TL
Analysis started at: 12/8/2025 5:19:41 PM
Comment <Comment>
Rack Number 1
Vial Numbers 10

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	120.247 %	123.069 %	0.013 ppb	96.569 ppb	110,779.565 ppb	74,780.193 ppb	107.563 ppb
Concentration per Run	120.949 %	123.475 %	0.012 ppb	96.232 ppb	106,343.273 ppb	73,321.746 ppb	103.033 ppb
Concentration per Run	120.166 %	119.471 %	0.011 ppb	96.179 ppb	114,480.452 ppb	76,504.624 ppb	112.521 ppb
Concentration per Run	119.627 %	126.263 %	0.014 ppb	97.295 ppb	111,514.971 ppb	74,514.209 ppb	107.135 ppb
Concentration RSD	0.6 %	2.8 %	12.7 %	0.7 %	3.7 %	2.2 %	4.4 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	2,846.471 ppb	272,309.139 ppb	127.685 %	132.023 %	-0.030 ppb	0.315 ppb	89.259 ppb
Concentration per Run	2,791.505 ppb	266,126.057 ppb	129.484 %	129.688 %	-0.016 ppb	0.318 ppb	88.280 ppb
Concentration per Run	2,837.877 ppb	274,361.761 ppb	127.984 %	133.190 %	-0.029 ppb	0.302 ppb	89.158 ppb
Concentration per Run	2,910.033 ppb	276,439.599 ppb	125.587 %	133.190 %	-0.044 ppb	0.325 ppb	90.339 ppb
Concentration RSD	2.1 %	2.0 %	1.5 %	1.5 %	47.5 %	3.7 %	1.2 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	5,879.842 ppb	0.618 ppb	3.433 ppb	1.280 ppb	2.857 ppb	115.429 %	117.402 %
Concentration per Run	5,874.980 ppb	0.628 ppb	3.384 ppb	1.257 ppb	2.799 ppb	115.422 %	118.001 %
Concentration per Run	5,919.438 ppb	0.627 ppb	3.452 ppb	1.314 ppb	2.941 ppb	115.222 %	116.903 %
Concentration per Run	5,845.107 ppb	0.598 ppb	3.464 ppb	1.270 ppb	2.831 ppb	115.644 %	117.301 %
Concentration RSD	0.6 %	2.7 %	1.3 %	2.4 %	2.6 %	0.2 %	0.5 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	8.567 ppb	-0.030 ppb	4,389.569 ppb	3.291 ppb	107.067 %	109.831 %	0.004 ppb
Concentration per Run	8.459 ppb	-0.059 ppb	4,340.681 ppb	3.233 ppb	107.116 %	110.049 %	0.004 ppb
Concentration per Run	8.819 ppb	-0.034 ppb	4,443.387 ppb	3.353 ppb	107.572 %	109.226 %	0.005 ppb
Concentration per Run	8.424 ppb	0.003 ppb	4,384.640 ppb	3.287 ppb	106.514 %	110.217 %	0.005 ppb
Concentration RSD	2.6 %	104.4 %	1.2 %	1.8 %	0.5 %	0.5 %	15.2 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.004 ppb	106.330 %	116.856 %	-0.277 ppb	0.017 ppb	42.054 ppb	111.444 %
Concentration per Run	0.006 ppb	106.700 %	116.041 %	-0.286 ppb	0.015 ppb	41.899 ppb	111.633 %
Concentration per Run	0.002 ppb	107.292 %	116.430 %	-0.298 ppb	0.017 ppb	42.098 ppb	111.893 %
Concentration per Run	0.004 ppb	104.996 %	118.096 %	-0.248 ppb	0.020 ppb	42.164 ppb	110.807 %
Concentration RSD	54.9 %	1.1 %	0.9 %	9.4 %	15.4 %	0.3 %	0.5 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	113.708 %	117.612 %	116.983 %	0.045 ppb	0.279 ppb	91.370 %	96.458 %
Concentration per Run	113.211 %	117.377 %	115.834 %	0.045 ppb	0.272 ppb	91.705 %	96.491 %
Concentration per Run	114.219 %	117.845 %	117.160 %	0.046 ppb	0.276 ppb	91.466 %	96.219 %
Concentration per Run	113.696 %	117.613 %	117.954 %	0.045 ppb	0.287 ppb	90.940 %	96.663 %
Concentration RSD	0.4 %	0.2 %	0.9 %	1.4 %	2.8 %	0.4 %	0.2 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 32 | Analysis started at: 12/8/2025 5:25:17 PM | Rack Number 1
Analysis label: I2574309-03 6020TL | Comment <Comment> | Vial Numbers 11

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	119.066 %	125.333 %	0.013 ppb	105.999 ppb	154,452.716 ppb	47,094.486 ppb	82.486 ppb
Concentration per Run	120.597 %	122.816 %	0.010 ppb	104.798 ppb	150,378.680 ppb	46,054.202 ppb	79.437 ppb
Concentration per Run	117.179 %	126.313 %	0.017 ppb	105.766 ppb	155,994.011 ppb	47,434.810 ppb	83.794 ppb
Concentration per Run	119.421 %	126.871 %	0.012 ppb	107.433 ppb	156,985.458 ppb	47,794.446 ppb	84.228 ppb
Concentration RSD	1.5 %	1.8 %	31.2 %	1.3 %	2.3 %	2.0 %	3.2 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	5,207.326 ppb	324,551.910 ppb	126.850 %	132.870 %	1.118 ppb	0.531 ppb	148.638 ppb
Concentration per Run	4,978.764 ppb	316,915.835 ppb	128.104 %	133.833 %	1.053 ppb	0.512 ppb	147.925 ppb
Concentration per Run	5,210.747 ppb	326,285.383 ppb	124.592 %	132.955 %	1.156 ppb	0.560 ppb	149.219 ppb
Concentration per Run	5,432.468 ppb	330,454.513 ppb	127.854 %	131.820 %	1.144 ppb	0.520 ppb	148.768 ppb
Concentration RSD	4.4 %	2.1 %	1.5 %	0.8 %	5.0 %	4.9 %	0.4 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	1,979.640 ppb	0.414 ppb	0.468 ppb	0.478 ppb	9.494 ppb	114.096 %	116.531 %
Concentration per Run	1,943.984 ppb	0.419 ppb	0.459 ppb	0.457 ppb	9.291 ppb	115.105 %	116.491 %
Concentration per Run	1,999.177 ppb	0.398 ppb	0.475 ppb	0.501 ppb	9.474 ppb	112.407 %	117.447 %
Concentration per Run	1,995.760 ppb	0.425 ppb	0.471 ppb	0.476 ppb	9.717 ppb	114.776 %	115.656 %
Concentration RSD	1.6 %	3.5 %	1.8 %	4.7 %	2.3 %	1.3 %	0.8 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	0.699 ppb	0.078 ppb	7,252.909 ppb	1.292 ppb	106.436 %	109.917 %	0.002 ppb
Concentration per Run	0.650 ppb	0.095 ppb	7,174.908 ppb	1.286 ppb	106.777 %	110.046 %	0.002 ppb
Concentration per Run	0.754 ppb	0.034 ppb	7,256.738 ppb	1.280 ppb	104.583 %	110.996 %	0.002 ppb
Concentration per Run	0.693 ppb	0.106 ppb	7,327.079 ppb	1.311 ppb	107.949 %	108.709 %	0.002 ppb
Concentration RSD	7.5 %	49.6 %	1.1 %	1.3 %	1.6 %	1.0 %	14.9 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.045 ppb	106.567 %	117.644 %	-0.610 ppb	0.005 ppb	393.795 ppb	111.292 %
Concentration per Run	0.043 ppb	107.473 %	116.012 %	-0.585 ppb	0.002 ppb	392.771 ppb	112.452 %
Concentration per Run	0.040 ppb	105.985 %	116.868 %	-0.613 ppb	0.011 ppb	393.327 ppb	110.178 %
Concentration per Run	0.051 ppb	106.242 %	120.054 %	-0.634 ppb	0.004 ppb	395.287 ppb	111.247 %
Concentration RSD	13.1 %	0.7 %	1.8 %	4.0 %	83.5 %	0.3 %	1.0 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	113.884 %	117.792 %	117.916 %	0.005 ppb	0.328 ppb	90.699 %	95.431 %
Concentration per Run	113.050 %	119.037 %	117.729 %	0.005 ppb	0.331 ppb	90.560 %	95.437 %
Concentration per Run	114.685 %	115.735 %	118.061 %	0.005 ppb	0.329 ppb	89.364 %	95.293 %
Concentration per Run	113.918 %	118.605 %	117.960 %	0.004 ppb	0.325 ppb	92.172 %	95.564 %
Concentration RSD	0.7 %	1.5 %	0.1 %	13.3 %	0.9 %	1.6 %	0.1 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 33 Analysis started at: 12/8/2025 5:30:52 PM Rack Number 1
Analysis label: I2574309-04 6020TL Comment <Comment> Vial Numbers 12

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	119.805 %	119.555 %	0.004 ppb	112.655 ppb	98,596.415 ppb	54,539.466 ppb	8.756 ppb
Concentration per Run	120.803 %	117.773 %	0.005 ppb	111.385 ppb	95,049.208 ppb	53,114.113 ppb	8.677 ppb
Concentration per Run	119.362 %	121.625 %	0.003 ppb	113.628 ppb	99,988.651 ppb	54,760.647 ppb	8.521 ppb
Concentration per Run	119.250 %	119.268 %	0.003 ppb	112.952 ppb	100,751.387 ppb	55,743.637 ppb	9.070 ppb
Concentration RSD	0.7 %	1.6 %	43.9 %	1.0 %	3.1 %	2.4 %	3.2 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	3,818.493 ppb	564,271.472 ppb	124.747 %	126.949 %	-0.116 ppb	0.262 ppb	71.443 ppb
Concentration per Run	3,667.365 ppb	547,210.367 ppb	126.482 %	124.900 %	-0.126 ppb	0.252 ppb	70.064 ppb
Concentration per Run	3,866.637 ppb	574,855.215 ppb	122.588 %	127.409 %	-0.107 ppb	0.268 ppb	72.255 ppb
Concentration per Run	3,921.477 ppb	570,748.833 ppb	125.171 %	128.537 %	-0.114 ppb	0.266 ppb	72.010 ppb
Concentration RSD	3.5 %	2.6 %	1.6 %	1.5 %	8.3 %	3.2 %	1.7 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	2,214.061 ppb	0.317 ppb	0.466 ppb	0.288 ppb	1.520 ppb	110.327 %	108.715 %
Concentration per Run	2,188.513 ppb	0.317 ppb	0.443 ppb	0.282 ppb	1.506 ppb	110.959 %	107.237 %
Concentration per Run	2,224.005 ppb	0.322 ppb	0.457 ppb	0.264 ppb	1.600 ppb	108.350 %	109.834 %
Concentration per Run	2,229.665 ppb	0.313 ppb	0.499 ppb	0.319 ppb	1.453 ppb	111.673 %	109.073 %
Concentration RSD	1.0 %	1.3 %	6.3 %	9.7 %	4.9 %	1.6 %	1.2 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	1.544 ppb	0.112 ppb	7,161.274 ppb	2.141 ppb	103.116 %	103.883 %	0.001 ppb
Concentration per Run	1.679 ppb	0.164 ppb	7,192.646 ppb	2.104 ppb	104.700 %	101.150 %	0.001 ppb
Concentration per Run	1.508 ppb	0.080 ppb	7,112.992 ppb	2.106 ppb	101.210 %	105.240 %	0.001 ppb
Concentration per Run	1.444 ppb	0.093 ppb	7,178.183 ppb	2.214 ppb	103.436 %	105.260 %	0.001 ppb
Concentration RSD	7.9 %	40.3 %	0.6 %	2.9 %	1.7 %	2.3 %	34.2 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.013 ppb	104.722 %	111.057 %	-0.626 ppb	0.012 ppb	14.110 ppb	108.618 %
Concentration per Run	0.016 ppb	105.520 %	108.636 %	-0.626 ppb	0.011 ppb	14.032 ppb	109.025 %
Concentration per Run	0.009 ppb	103.538 %	111.907 %	-0.619 ppb	0.011 ppb	14.156 ppb	109.052 %
Concentration per Run	0.014 ppb	105.108 %	112.626 %	-0.635 ppb	0.014 ppb	14.142 ppb	107.775 %
Concentration RSD	26.7 %	1.0 %	1.9 %	1.2 %	15.0 %	0.5 %	0.7 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	106.225 %	114.656 %	109.907 %	0.010 ppb	0.061 ppb	87.808 %	89.892 %
Concentration per Run	104.626 %	115.432 %	108.744 %	0.009 ppb	0.066 ppb	88.820 %	89.306 %
Concentration per Run	106.387 %	113.945 %	110.037 %	0.011 ppb	0.061 ppb	87.437 %	89.814 %
Concentration per Run	107.663 %	114.592 %	110.941 %	0.010 ppb	0.057 ppb	87.168 %	90.557 %
Concentration RSD	1.4 %	0.7 %	1.0 %	11.2 %	7.3 %	1.0 %	0.7 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 34 | Analysis started at: 12/8/2025 5:36:27 PM | Rack Number 1
Analysis label: I2574309-05 6020TL | Comment <Comment> | Vial Numbers 13

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	113.875 %	121.481 %	0.017 ppb	115.836 ppb	160,016.721 ppb	64,139.748 ppb	410.102 ppb
Concentration per Run	113.916 %	120.206 %	0.017 ppb	115.436 ppb	158,255.764 ppb	63,772.728 ppb	406.023 ppb
Concentration per Run	114.379 %	123.044 %	0.023 ppb	116.447 ppb	160,084.057 ppb	64,632.929 ppb	405.120 ppb
Concentration per Run	113.331 %	121.194 %	0.011 ppb	115.624 ppb	161,710.340 ppb	64,013.588 ppb	419.161 ppb
Concentration RSD	0.5 %	1.2 %	33.5 %	0.5 %	1.1 %	0.7 %	1.9 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	3,054.295 ppb	644,590.292 ppb	120.703 %	129.863 %	0.443 ppb	0.852 ppb	97.174 ppb
Concentration per Run	2,958.963 ppb	629,717.640 ppb	121.740 %	129.683 %	0.441 ppb	0.823 ppb	96.797 ppb
Concentration per Run	3,100.830 ppb	644,130.302 ppb	120.434 %	131.204 %	0.424 ppb	0.837 ppb	97.311 ppb
Concentration per Run	3,103.091 ppb	659,922.935 ppb	119.935 %	128.701 %	0.464 ppb	0.895 ppb	97.414 ppb
Concentration RSD	2.7 %	2.3 %	0.8 %	1.0 %	4.5 %	4.5 %	0.3 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	2,711.704 ppb	1.671 ppb	4.958 ppb	3.668 ppb	11.173 ppb	107.466 %	110.454 %
Concentration per Run	2,678.491 ppb	1.679 ppb	5.061 ppb	3.619 ppb	11.082 ppb	107.903 %	111.057 %
Concentration per Run	2,719.632 ppb	1.662 ppb	4.973 ppb	3.676 ppb	11.046 ppb	106.429 %	111.196 %
Concentration per Run	2,736.990 ppb	1.672 ppb	4.840 ppb	3.708 ppb	11.390 ppb	108.066 %	109.108 %
Concentration RSD	1.1 %	0.5 %	2.2 %	1.2 %	1.7 %	0.8 %	1.1 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	4.178 ppb	0.084 ppb	8,791.909 ppb	2.255 ppb	98.312 %	105.261 %	0.004 ppb
Concentration per Run	4.174 ppb	0.116 ppb	8,622.254 ppb	2.202 ppb	99.766 %	106.552 %	0.005 ppb
Concentration per Run	4.092 ppb	0.083 ppb	8,866.575 ppb	2.295 ppb	98.173 %	106.375 %	0.004 ppb
Concentration per Run	4.268 ppb	0.054 ppb	8,886.897 ppb	2.268 ppb	96.997 %	102.856 %	0.005 ppb
Concentration RSD	2.1 %	36.5 %	1.7 %	2.1 %	1.4 %	2.0 %	12.3 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.038 ppb	100.343 %	113.855 %	-0.384 ppb	0.145 ppb	20.852 ppb	104.185 %
Concentration per Run	0.032 ppb	101.079 %	114.588 %	-0.383 ppb	0.138 ppb	20.691 ppb	104.289 %
Concentration per Run	0.028 ppb	100.347 %	114.922 %	-0.394 ppb	0.153 ppb	20.861 ppb	104.262 %
Concentration per Run	0.052 ppb	99.603 %	112.055 %	-0.376 ppb	0.145 ppb	21.004 ppb	104.003 %
Concentration RSD	33.3 %	0.7 %	1.4 %	2.3 %	5.0 %	0.8 %	0.2 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	110.147 %	111.020 %	111.786 %	0.428 ppb	18.160 ppb	91.109 %	89.833 %
Concentration per Run	111.352 %	111.806 %	113.409 %	0.419 ppb	17.991 ppb	90.502 %	90.872 %
Concentration per Run	110.301 %	111.591 %	112.345 %	0.433 ppb	18.199 ppb	91.266 %	90.524 %
Concentration per Run	108.790 %	109.662 %	109.603 %	0.431 ppb	18.289 ppb	91.560 %	88.103 %
Concentration RSD	1.2 %	1.1 %	1.8 %	1.8 %	0.8 %	0.6 %	1.7 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 35
Analysis label: I2574309-06 6020TL
Analysis started at: 12/8/2025 5:42:02 PM
Comment <Comment>
Rack Number 1
Vial Numbers 14

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	109.615 %	110.297 %	0.016 ppb	406.411 ppb	257,700.761 ppb	78,581.638 ppb	59.472 ppb
Concentration per Run	110.543 %	110.525 %	0.014 ppb	403.825 ppb	250,472.199 ppb	76,283.889 ppb	56.330 ppb
Concentration per Run	109.487 %	109.435 %	0.015 ppb	404.757 ppb	260,952.695 ppb	80,153.699 ppb	58.830 ppb
Concentration per Run	108.814 %	110.931 %	0.020 ppb	410.649 ppb	261,677.389 ppb	79,307.325 ppb	63.255 ppb
Concentration RSD	0.8 %	0.7 %	19.8 %	0.9 %	2.4 %	2.6 %	5.9 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	45,993.627 ppb	441,852.397 ppb	115.906 %	114.130 %	1.043 ppb	1.068 ppb	123.751 ppb
Concentration per Run	44,793.558 ppb	428,041.008 ppb	116.798 %	113.166 %	1.045 ppb	1.052 ppb	121.613 ppb
Concentration per Run	46,264.717 ppb	445,312.874 ppb	116.686 %	115.157 %	1.078 ppb	1.097 ppb	124.383 ppb
Concentration per Run	46,922.606 ppb	452,203.309 ppb	114.233 %	114.068 %	1.008 ppb	1.056 ppb	125.256 ppb
Concentration RSD	2.4 %	2.8 %	1.3 %	0.9 %	3.4 %	2.3 %	1.5 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	6,655.886 ppb	3.332 ppb	9.249 ppb	1.564 ppb	3.227 ppb	101.367 %	99.195 %
Concentration per Run	6,557.474 ppb	3.267 ppb	9.138 ppb	1.563 ppb	3.174 ppb	101.160 %	99.225 %
Concentration per Run	6,683.665 ppb	3.331 ppb	9.285 ppb	1.552 ppb	3.238 ppb	101.532 %	99.472 %
Concentration per Run	6,726.520 ppb	3.397 ppb	9.323 ppb	1.576 ppb	3.268 ppb	101.408 %	98.889 %
Concentration RSD	1.3 %	2.0 %	1.1 %	0.8 %	1.5 %	0.2 %	0.3 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	0.682 ppb	0.322 ppb	5,980.360 ppb	1.100 ppb	91.668 %	91.925 %	0.010 ppb
Concentration per Run	0.659 ppb	0.424 ppb	5,916.652 ppb	1.102 ppb	92.503 %	92.706 %	0.009 ppb
Concentration per Run	0.683 ppb	0.390 ppb	6,004.554 ppb	1.112 ppb	91.591 %	92.187 %	0.008 ppb
Concentration per Run	0.705 ppb	0.154 ppb	6,019.875 ppb	1.086 ppb	90.910 %	90.882 %	0.013 ppb
Concentration RSD	3.4 %	45.7 %	0.9 %	1.2 %	0.9 %	1.0 %	29.5 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.039 ppb	100.671 %	98.653 %	0.005 ppb	0.072 ppb	125.875 ppb	96.844 %
Concentration per Run	0.034 ppb	91.848 %	99.565 %	-0.042 ppb	0.064 ppb	124.320 ppb	98.801 %
Concentration per Run	0.047 ppb	106.672 %	98.170 %	0.017 ppb	0.070 ppb	126.706 ppb	96.823 %
Concentration per Run	0.035 ppb	103.491 %	98.225 %	0.041 ppb	0.080 ppb	126.599 ppb	94.909 %
Concentration RSD	19.2 %	7.8 %	0.8 %	804.4 %	11.2 %	1.1 %	2.0 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	106.465 %	101.730 %	98.313 %	0.002 ppb	0.110 ppb	83.025 %	77.291 %
Concentration per Run	107.295 %	103.218 %	99.486 %	0.002 ppb	0.109 ppb	83.887 %	77.822 %
Concentration per Run	106.414 %	101.822 %	98.714 %	0.001 ppb	0.112 ppb	83.555 %	77.034 %
Concentration per Run	105.685 %	100.150 %	96.739 %	0.002 ppb	0.110 ppb	81.632 %	77.017 %
Concentration RSD	0.8 %	1.5 %	1.4 %	12.3 %	1.6 %	1.5 %	0.6 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 36
Analysis label: I2574309-07 6020TL
Analysis started at: 12/8/2025 5:47:38 PM
Comment <Comment>
Rack Number 1
Vial Numbers 15

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	110.252 %	109.157 %	0.249 ppb	1,161.146 ppb	130,604.640 ppb	76,336.483 ppb	15,566.484 ppb
Concentration per Run	108.483 %	109.334 %	0.240 ppb	1,159.768 ppb	125,878.449 ppb	73,113.631 ppb	15,045.515 ppb
Concentration per Run	110.249 %	108.244 %	0.246 ppb	1,168.134 ppb	132,162.909 ppb	77,319.707 ppb	15,787.713 ppb
Concentration per Run	112.024 %	109.892 %	0.262 ppb	1,155.537 ppb	133,772.561 ppb	78,576.110 ppb	15,866.225 ppb
Concentration RSD	1.6 %	0.8 %	4.7 %	0.6 %	3.2 %	3.7 %	2.9 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	22,366.027 ppb	264,011.115 ppb	114.237 %	115.003 %	29.930 ppb	26.468 ppb	1,279.126 ppb
Concentration per Run	21,492.150 ppb	257,520.668 ppb	112.332 %	114.158 %	29.414 ppb	25.941 ppb	1,254.944 ppb
Concentration per Run	22,525.286 ppb	260,548.117 ppb	114.625 %	115.940 %	29.850 ppb	26.563 ppb	1,282.524 ppb
Concentration per Run	23,080.645 ppb	273,964.561 ppb	115.755 %	114.913 %	30.527 ppb	26.899 ppb	1,299.909 ppb
Concentration RSD	3.6 %	3.3 %	1.5 %	0.8 %	1.9 %	1.8 %	1.8 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	35,360.542 ppb	6.371 ppb	54.373 ppb	493.367 ppb	13,247.876 ppb	104.152 %	103.626 %
Concentration per Run	34,914.704 ppb	6.246 ppb	53.091 ppb	485.724 ppb	13,091.927 ppb	102.698 %	101.973 %
Concentration per Run	35,120.684 ppb	6.369 ppb	54.372 ppb	496.992 ppb	13,276.370 ppb	104.350 %	103.751 %
Concentration per Run	36,046.239 ppb	6.498 ppb	55.656 ppb	497.385 ppb	13,375.330 ppb	105.407 %	105.153 %
Concentration RSD	1.7 %	2.0 %	2.4 %	1.3 %	1.1 %	1.3 %	1.5 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	9.810 ppb	0.617 ppb	3,396.036 ppb	3.683 ppb	95.155 %	96.782 %	0.793 ppb
Concentration per Run	9.580 ppb	0.774 ppb	3,317.537 ppb	3.693 ppb	93.450 %	96.435 %	0.801 ppb
Concentration per Run	9.756 ppb	0.604 ppb	3,390.674 ppb	3.674 ppb	95.370 %	96.554 %	0.790 ppb
Concentration per Run	10.093 ppb	0.473 ppb	3,479.898 ppb	3.683 ppb	96.644 %	97.355 %	0.789 ppb
Concentration RSD	2.7 %	24.4 %	2.4 %	0.2 %	1.7 %	0.5 %	0.9 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	5.827 ppb	97.607 %	102.384 %	23.639 ppb	4.921 ppb	526.071 ppb	98.512 %
Concentration per Run	5.857 ppb	105.557 %	100.754 %	23.526 ppb	4.857 ppb	516.465 ppb	97.537 %
Concentration per Run	5.929 ppb	93.402 %	101.445 %	23.829 ppb	4.969 ppb	517.626 ppb	98.981 %
Concentration per Run	5.695 ppb	93.861 %	104.953 %	23.563 ppb	4.937 ppb	544.121 ppb	99.019 %
Concentration RSD	2.1 %	7.1 %	2.2 %	0.7 %	1.2 %	3.0 %	0.9 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	105.270 %	103.933 %	102.807 %	0.091 ppb	2,097.512 ppb	87.160 %	87.327 %
Concentration per Run	109.429 %	103.371 %	103.208 %	0.090 ppb	2,069.617 ppb	92.470 %	87.033 %
Concentration per Run	108.704 %	103.493 %	102.204 %	0.091 ppb	2,092.526 ppb	83.699 %	87.754 %
Concentration per Run	97.676 %	104.935 %	103.009 %	0.092 ppb	2,130.394 ppb	85.309 %	87.194 %
Concentration RSD	6.3 %	0.8 %	0.5 %	1.4 %	1.5 %	5.4 %	0.4 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 37
Analysis label: I2574309-08 6020TL
Analysis started at: 12/8/2025 5:53:13 PM
Comment <Comment>
Rack Number 1
Vial Numbers 16

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	115.796 %	116.725 %	0.004 ppb	643.024 ppb	116,631.891 ppb	32,616.810 ppb	63.834 ppb
Concentration per Run	115.128 %	115.492 %	0.005 ppb	643.558 ppb	113,750.254 ppb	31,889.353 ppb	63.525 ppb
Concentration per Run	116.353 %	118.660 %	0.005 ppb	644.593 ppb	116,382.560 ppb	32,797.748 ppb	62.638 ppb
Concentration per Run	115.906 %	116.024 %	0.003 ppb	640.922 ppb	119,762.859 ppb	33,163.330 ppb	65.338 ppb
Concentration RSD	0.5 %	1.5 %	33.9 %	0.3 %	2.6 %	2.0 %	2.2 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	19,216.670 ppb	136,185.460 ppb	122.744 %	124.769 %	0.017 ppb	0.614 ppb	271.489 ppb
Concentration per Run	18,757.075 ppb	132,583.811 ppb	121.518 %	122.176 %	0.012 ppb	0.604 ppb	268.586 ppb
Concentration per Run	19,240.645 ppb	137,622.767 ppb	123.045 %	125.370 %	0.025 ppb	0.633 ppb	272.832 ppb
Concentration per Run	19,652.290 ppb	138,349.801 ppb	123.669 %	126.759 %	0.015 ppb	0.607 ppb	273.048 ppb
Concentration RSD	2.3 %	2.3 %	0.9 %	1.9 %	40.8 %	2.6 %	0.9 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	6,039.862 ppb	2.414 ppb	9.569 ppb	8.964 ppb	187.857 ppb	112.335 %	115.363 %
Concentration per Run	6,022.998 ppb	2.392 ppb	9.258 ppb	8.917 ppb	184.429 ppb	111.606 %	114.924 %
Concentration per Run	6,058.822 ppb	2.404 ppb	9.747 ppb	9.022 ppb	189.889 ppb	112.723 %	115.652 %
Concentration per Run	6,037.766 ppb	2.446 ppb	9.700 ppb	8.951 ppb	189.252 ppb	112.677 %	115.512 %
Concentration RSD	0.3 %	1.2 %	2.8 %	0.6 %	1.6 %	0.6 %	0.3 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	0.539 ppb	0.071 ppb	10,578.410 ppb	0.509 ppb	102.293 %	105.939 %	0.070 ppb
Concentration per Run	0.443 ppb	0.110 ppb	10,423.966 ppb	0.486 ppb	102.154 %	105.619 %	0.068 ppb
Concentration per Run	0.615 ppb	0.039 ppb	10,508.479 ppb	0.511 ppb	102.130 %	105.361 %	0.074 ppb
Concentration per Run	0.560 ppb	0.065 ppb	10,802.784 ppb	0.528 ppb	102.596 %	106.837 %	0.070 ppb
Concentration RSD	16.3 %	50.0 %	1.9 %	4.1 %	0.3 %	0.7 %	4.3 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.518 ppb	98.572 %	111.481 %	-0.165 ppb	0.360 ppb	149.359 ppb	101.531 %
Concentration per Run	0.498 ppb	98.558 %	111.506 %	-0.161 ppb	0.364 ppb	147.093 ppb	101.816 %
Concentration per Run	0.535 ppb	97.526 %	110.929 %	-0.168 ppb	0.347 ppb	149.828 ppb	100.575 %
Concentration per Run	0.520 ppb	99.632 %	112.007 %	-0.166 ppb	0.369 ppb	151.157 ppb	102.202 %
Concentration RSD	3.6 %	1.1 %	0.5 %	2.2 %	3.2 %	1.4 %	0.8 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	105.430 %	107.835 %	109.275 %	0.022 ppb	1.624 ppb	85.996 %	92.744 %
Concentration per Run	105.507 %	108.007 %	109.489 %	0.021 ppb	1.636 ppb	85.312 %	93.186 %
Concentration per Run	105.300 %	107.734 %	109.149 %	0.022 ppb	1.644 ppb	86.539 %	93.186 %
Concentration per Run	105.483 %	107.764 %	109.186 %	0.023 ppb	1.593 ppb	86.136 %	91.859 %
Concentration RSD	0.1 %	0.1 %	0.2 %	4.0 %	1.7 %	0.7 %	0.8 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 38
Analysis label: I2575449-05 6020TL
Analysis started at: 12/8/2025 5:58:48 PM
Comment <Comment>
Rack Number 1
Vial Numbers 17

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	112.708 %	120.603 %	0.002 ppb	7.821 ppb	482.341 ppb	15.371 ppb	0.968 ppb
Concentration per Run	112.416 %	123.627 %	0.002 ppb	8.629 ppb	473.099 ppb	14.677 ppb	1.082 ppb
Concentration per Run	113.056 %	119.116 %	0.001 ppb	7.739 ppb	493.979 ppb	16.199 ppb	0.836 ppb
Concentration per Run	112.651 %	119.065 %	0.002 ppb	7.094 ppb	479.946 ppb	15.236 ppb	0.985 ppb
Concentration RSD	0.3 %	2.2 %	47.4 %	9.9 %	2.2 %	5.0 %	12.8 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	11.767 ppb	85.480 ppb	114.452 %	125.175 %	-0.164 ppb	0.047 ppb	0.151 ppb
Concentration per Run	10.800 ppb	79.074 ppb	115.027 %	126.637 %	-0.186 ppb	0.051 ppb	0.149 ppb
Concentration per Run	13.024 ppb	85.325 ppb	114.611 %	124.199 %	-0.155 ppb	0.045 ppb	0.168 ppb
Concentration per Run	11.476 ppb	92.039 ppb	113.717 %	124.690 %	-0.151 ppb	0.046 ppb	0.136 ppb
Concentration RSD	9.7 %	7.6 %	0.6 %	1.0 %	11.7 %	6.2 %	10.5 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	3.511 ppb	0.006 ppb	0.097 ppb	0.082 ppb	2.402 ppb	112.880 %	122.151 %
Concentration per Run	3.492 ppb	0.006 ppb	0.082 ppb	0.087 ppb	2.227 ppb	112.894 %	124.585 %
Concentration per Run	3.560 ppb	0.004 ppb	0.102 ppb	0.075 ppb	2.439 ppb	112.476 %	121.568 %
Concentration per Run	3.480 ppb	0.008 ppb	0.106 ppb	0.084 ppb	2.541 ppb	113.269 %	120.299 %
Concentration RSD	1.2 %	30.6 %	13.3 %	8.0 %	6.7 %	0.4 %	1.8 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	0.058 ppb	0.033 ppb	1.446 ppb	0.034 ppb	106.224 %	117.306 %	0.001 ppb
Concentration per Run	0.068 ppb	-0.065 ppb	1.292 ppb	0.031 ppb	105.151 %	121.155 %	0.002 ppb
Concentration per Run	0.040 ppb	0.063 ppb	1.549 ppb	0.029 ppb	106.390 %	115.911 %	0.000 ppb
Concentration per Run	0.066 ppb	0.099 ppb	1.496 ppb	0.042 ppb	107.131 %	114.851 %	0.001 ppb
Concentration RSD	27.3 %	265.7 %	9.4 %	21.0 %	0.9 %	2.9 %	103.3 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.001 ppb	98.152 %	116.520 %	-0.009 ppb	0.003 ppb	0.174 ppb	98.071 %
Concentration per Run	0.000 ppb	98.011 %	117.618 %	0.018 ppb	0.001 ppb	0.148 ppb	97.564 %
Concentration per Run	0.001 ppb	99.108 %	116.604 %	0.044 ppb	0.004 ppb	0.189 ppb	97.844 %
Concentration per Run	0.002 ppb	97.338 %	115.340 %	-0.090 ppb	0.003 ppb	0.185 ppb	98.805 %
Concentration RSD	99.6 %	0.9 %	1.0 %	746.8 %	46.6 %	12.9 %	0.7 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	103.755 %	103.133 %	108.708 %	0.000 ppb	0.057 ppb	95.885 %	102.341 %
Concentration per Run	105.256 %	103.482 %	110.521 %	0.000 ppb	0.052 ppb	96.307 %	98.712 %
Concentration per Run	103.173 %	103.381 %	108.021 %	0.000 ppb	0.060 ppb	96.361 %	103.556 %
Concentration per Run	102.838 %	102.537 %	107.583 %	0.000 ppb	0.058 ppb	94.986 %	104.755 %
Concentration RSD	1.3 %	0.5 %	1.5 %	186.3 %	7.5 %	0.8 %	3.1 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 39
Analysis label: I2575576-08 6020TL
Analysis started at: 12/8/2025 6:04:26 PM
Comment <Comment>
Rack Number 1
Vial Numbers 18

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	97.950 %	106.859 %	0.008 ppb	147.013 ppb	425,868.825 ppb	43,750.224 ppb	19.890 ppb
Concentration per Run	98.925 %	108.498 %	0.004 ppb	145.145 ppb	412,600.770 ppb	42,400.319 ppb	19.550 ppb
Concentration per Run	97.030 %	106.394 %	0.010 ppb	149.496 ppb	433,418.186 ppb	44,086.746 ppb	20.919 ppb
Concentration per Run	97.896 %	105.685 %	0.010 ppb	146.398 ppb	431,587.518 ppb	44,763.608 ppb	19.203 ppb
Concentration RSD	1.0 %	1.4 %	46.3 %	1.5 %	2.7 %	2.8 %	4.6 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	6,351.276 ppb	157,656.738 ppb	96.707 %	111.267 %	-0.088 ppb	0.121 ppb	980.758 ppb
Concentration per Run	6,227.032 ppb	155,802.646 ppb	96.586 %	111.742 %	-0.083 ppb	0.106 ppb	959.017 ppb
Concentration per Run	6,417.862 ppb	159,534.778 ppb	96.930 %	110.902 %	-0.076 ppb	0.131 ppb	995.101 ppb
Concentration per Run	6,408.933 ppb	157,632.789 ppb	96.604 %	111.157 %	-0.105 ppb	0.126 ppb	988.157 ppb
Concentration RSD	1.7 %	1.2 %	0.2 %	0.4 %	17.4 %	11.0 %	2.0 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	10,140.350 ppb	0.319 ppb	1.376 ppb	0.708 ppb	4.351 ppb	86.806 %	101.707 %
Concentration per Run	9,912.953 ppb	0.304 ppb	1.386 ppb	0.689 ppb	4.997 ppb	88.095 %	102.788 %
Concentration per Run	10,325.896 ppb	0.333 ppb	1.401 ppb	0.721 ppb	4.154 ppb	87.093 %	100.844 %
Concentration per Run	10,182.200 ppb	0.318 ppb	1.340 ppb	0.713 ppb	3.903 ppb	85.231 %	101.489 %
Concentration RSD	2.1 %	4.6 %	2.3 %	2.4 %	13.2 %	1.7 %	1.0 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	2.697 ppb	0.146 ppb	3,098.807 ppb	1.220 ppb	77.346 %	90.738 %	0.005 ppb
Concentration per Run	2.097 ppb	0.105 ppb	3,026.660 ppb	1.166 ppb	77.962 %	93.246 %	0.005 ppb
Concentration per Run	3.001 ppb	0.186 ppb	3,162.741 ppb	1.280 ppb	77.260 %	88.340 %	0.005 ppb
Concentration per Run	2.992 ppb	0.147 ppb	3,107.020 ppb	1.215 ppb	76.817 %	90.629 %	0.004 ppb
Concentration RSD	19.3 %	27.9 %	2.2 %	4.7 %	0.7 %	2.7 %	12.4 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.059 ppb	86.726 %	98.555 %	-0.637 ppb	0.222 ppb	766.475 ppb	79.430 %
Concentration per Run	0.051 ppb	87.033 %	99.980 %	-0.631 ppb	0.192 ppb	751.798 ppb	80.085 %
Concentration per Run	0.069 ppb	85.810 %	97.390 %	-0.628 ppb	0.248 ppb	789.142 ppb	80.348 %
Concentration per Run	0.058 ppb	87.337 %	98.296 %	-0.650 ppb	0.224 ppb	758.485 ppb	77.856 %
Concentration RSD	14.7 %	0.9 %	1.3 %	1.9 %	12.6 %	2.6 %	1.7 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	104.813 %	84.024 %	98.469 %	0.001 ppb	0.307 ppb	71.114 %	77.624 %
Concentration per Run	106.641 %	84.804 %	99.189 %	0.001 ppb	0.294 ppb	71.894 %	78.127 %
Concentration per Run	103.354 %	83.677 %	98.021 %	0.002 ppb	0.312 ppb	70.845 %	77.896 %
Concentration per Run	104.444 %	83.592 %	98.197 %	0.002 ppb	0.315 ppb	70.604 %	76.850 %
Concentration RSD	1.6 %	0.8 %	0.6 %	17.0 %	3.6 %	1.0 %	0.9 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 40 Analysis started at: 12/8/2025 6:10:01 PM Rack Number 0
Analysis label: CCV Comment <Comment> Vial Numbers 3

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	100.698 %	108.650 %	62.892 ppb	62.546 ppb	6,135.409 ppb	6,360.160 ppb	61.547 ppb
Concentration per Run	101.997 %	110.753 %	62.423 ppb	62.739 ppb	6,026.509 ppb	6,337.848 ppb	59.572 ppb
Concentration per Run	99.409 %	108.574 %	63.668 ppb	62.768 ppb	6,171.359 ppb	6,382.380 ppb	61.527 ppb
Concentration per Run	100.689 %	106.623 %	62.584 ppb	62.129 ppb	6,208.359 ppb	6,360.254 ppb	63.542 ppb
Recovery Percentage			104.819 %	104.243 %	102.257 %	106.003 %	102.578 %
Concentration RSD	1.3 %	1.9 %	1.1 %	0.6 %	1.6 %	0.4 %	3.2 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	5,879.137 ppb	5,757.027 ppb	98.489 %	111.314 %	61.713 ppb	61.769 ppb	61.171 ppb
Concentration per Run	5,835.471 ppb	5,654.695 ppb	98.022 %	111.358 %	62.324 ppb	62.273 ppb	62.430 ppb
Concentration per Run	5,902.526 ppb	5,775.928 ppb	98.873 %	111.550 %	61.201 ppb	61.762 ppb	59.925 ppb
Concentration per Run	5,899.414 ppb	5,840.457 ppb	98.573 %	111.034 %	61.614 ppb	61.273 ppb	61.159 ppb
Recovery Percentage	97.986 %	95.950 %			102.855 %	102.949 %	101.952 %
Concentration RSD	0.6 %	1.6 %	0.4 %	0.2 %	0.9 %	0.8 %	2.0 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	6,150.102 ppb	61.638 ppb	61.631 ppb	61.305 ppb	59.874 ppb	96.178 %	107.118 %
Concentration per Run	6,228.097 ppb	61.168 ppb	62.202 ppb	61.736 ppb	60.079 ppb	96.387 %	107.290 %
Concentration per Run	6,123.918 ppb	61.941 ppb	60.955 ppb	61.352 ppb	59.493 ppb	96.486 %	108.055 %
Concentration per Run	6,098.290 ppb	61.806 ppb	61.735 ppb	60.827 ppb	60.051 ppb	95.662 %	106.008 %
Recovery Percentage	102.502 %	102.730 %	102.718 %	102.175 %	99.790 %		
Concentration RSD	1.1 %	0.7 %	1.0 %	0.7 %	0.6 %	0.5 %	1.0 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	61.581 ppb	60.130 ppb	59.423 ppb	61.167 ppb	92.088 %	101.155 %	62.038 ppb
Concentration per Run	62.942 ppb	61.784 ppb	59.776 ppb	62.088 ppb	92.220 %	101.925 %	62.756 ppb
Concentration per Run	61.263 ppb	58.548 ppb	59.386 ppb	60.834 ppb	91.535 %	100.698 %	61.915 ppb
Concentration per Run	60.537 ppb	60.057 ppb	59.107 ppb	60.578 ppb	92.510 %	100.843 %	61.445 ppb
Recovery Percentage	102.634 %	100.216 %	99.038 %	101.945 %			103.397 %
Concentration RSD	2.0 %	2.7 %	0.6 %	1.3 %	0.5 %	0.7 %	1.1 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	62.006 ppb	98.962 %	102.223 %	59.585 ppb	61.945 ppb	62.980 ppb	86.758 %
Concentration per Run	62.059 ppb	99.494 %	102.454 %	60.358 ppb	62.586 ppb	62.748 ppb	86.788 %
Concentration per Run	61.888 ppb	98.850 %	103.161 %	58.955 ppb	61.630 ppb	63.030 ppb	87.464 %
Concentration per Run	62.070 ppb	98.542 %	101.053 %	59.441 ppb	61.618 ppb	63.162 ppb	86.022 %
Recovery Percentage	103.343 %			99.308 %	103.241 %	104.967 %	
Concentration RSD	0.2 %	0.5 %	1.0 %	1.2 %	0.9 %	0.3 %	0.8 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	105.825 %	92.009 %	99.225 %	61.868 ppb	60.775 ppb	86.997 %	94.494 %
Concentration per Run	106.660 %	92.398 %	100.107 %	61.410 ppb	60.789 ppb	83.863 %	95.652 %
Concentration per Run	105.395 %	92.431 %	99.756 %	62.263 ppb	60.960 ppb	84.103 %	94.163 %
Concentration per Run	105.421 %	91.199 %	97.812 %	61.932 ppb	60.575 ppb	93.025 %	93.666 %
Recovery Percentage				103.114 %	101.291 %		
Concentration RSD	0.7 %	0.8 %	1.2 %	0.7 %	0.3 %	6.0 %	1.1 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 41 Analysis started at: 12/8/2025 6:15:37 PM Rack Number 0
Analysis label: CCB Comment <Comment> Vial Numbers 4

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	99.432 %	105.136 %	0.006 ppb	1.808 ppb	32.402 ppb	1.693 ppb	-0.507 ppb
Concentration per Run	99.085 %	104.722 %	0.009 ppb	1.966 ppb	29.880 ppb	1.278 ppb	-0.434 ppb
Concentration per Run	100.612 %	107.738 %	0.002 ppb	1.797 ppb	36.085 ppb	2.028 ppb	-0.511 ppb
Concentration per Run	98.599 %	102.948 %	0.007 ppb	1.660 ppb	31.240 ppb	1.772 ppb	-0.576 ppb
Recovery Percentage			1.175 %	18.077 %	6.480 %	2.418 %	-5.067 %
Concentration RSD	1.1 %	2.3 %	61.7 %	8.5 %	10.1 %	22.5 %	14.0 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	2.402 ppb	8.045 ppb	96.489 %	110.026 %	-0.231 ppb	-0.021 ppb	0.154 ppb
Concentration per Run	2.722 ppb	5.721 ppb	96.702 %	109.263 %	-0.223 ppb	-0.019 ppb	0.149 ppb
Concentration per Run	1.809 ppb	12.360 ppb	95.623 %	109.062 %	-0.235 ppb	-0.019 ppb	0.142 ppb
Concentration per Run	2.673 ppb	6.054 ppb	97.143 %	111.752 %	-0.235 ppb	-0.024 ppb	0.170 ppb
Recovery Percentage	2.402 %	8.045 %			-4.617 %	-2.076 %	15.367 %
Concentration RSD	21.4 %	46.5 %	0.8 %	1.4 %	3.1 %	13.4 %	9.5 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	0.520 ppb	0.004 ppb	-0.009 ppb	0.024 ppb	0.079 ppb	96.276 %	107.356 %
Concentration per Run	0.445 ppb	0.005 ppb	-0.021 ppb	0.022 ppb	0.048 ppb	96.577 %	107.444 %
Concentration per Run	0.733 ppb	0.006 ppb	0.001 ppb	0.025 ppb	0.081 ppb	96.309 %	107.088 %
Concentration per Run	0.381 ppb	0.002 ppb	-0.008 ppb	0.025 ppb	0.107 ppb	95.941 %	107.536 %
Recovery Percentage	1.039 %	0.865 %	-0.457 %	2.384 %	1.570 %		
Concentration RSD	36.1 %	46.9 %	121.0 %	5.8 %	37.6 %	0.3 %	0.2 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	0.050 ppb	0.000 ppb	0.222 ppb	0.039 ppb	92.998 %	103.968 %	0.014 ppb
Concentration per Run	0.042 ppb	-0.048 ppb	0.121 ppb	0.043 ppb	93.967 %	103.825 %	0.018 ppb
Concentration per Run	0.066 ppb	-0.044 ppb	0.325 ppb	0.035 ppb	92.670 %	105.311 %	0.012 ppb
Concentration per Run	0.042 ppb	0.092 ppb	0.219 ppb	0.040 ppb	92.357 %	102.768 %	0.011 ppb
Recovery Percentage	10.001 %	0.003 %	44.343 %	1.959 %			3.470 %
Concentration RSD	28.2 %	47,211.7 %	46.1 %	10.5 %	0.9 %	1.2 %	28.0 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.005 ppb	97.611 %	104.280 %	-0.308 ppb	0.070 ppb	0.034 ppb	85.974 %
Concentration per Run	0.004 ppb	97.692 %	104.786 %	-0.302 ppb	0.077 ppb	0.012 ppb	85.747 %
Concentration per Run	0.005 ppb	96.348 %	104.040 %	-0.304 ppb	0.061 ppb	0.047 ppb	85.930 %
Concentration per Run	0.005 ppb	98.794 %	104.014 %	-0.317 ppb	0.072 ppb	0.041 ppb	86.245 %
Recovery Percentage	2.328 %			-10.263 %	1.751 %	6.726 %	
Concentration RSD	15.8 %	1.3 %	0.4 %	2.6 %	11.4 %	55.4 %	0.3 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	106.981 %	91.015 %	99.666 %	0.014 ppb	0.022 ppb	85.682 %	97.192 %
Concentration per Run	107.302 %	91.020 %	100.518 %	0.018 ppb	0.023 ppb	85.900 %	98.273 %
Concentration per Run	106.596 %	91.544 %	99.709 %	0.013 ppb	0.025 ppb	84.819 %	96.115 %
Concentration per Run	107.046 %	90.482 %	98.769 %	0.010 ppb	0.018 ppb	86.326 %	97.187 %
Recovery Percentage				1.358 %	2.234 %		
Concentration RSD	0.3 %	0.6 %	0.9 %	31.6 %	16.7 %	0.9 %	1.1 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 42 | Analysis started at: 12/8/2025 6:25:16 PM | Rack Number 1
Analysis label: I2575756-01 6020TL | Comment <Comment> | Vial Numbers 19

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	103.327 %	106.530 %	0.021 ppb	52.560 ppb	32,407.681 ppb	11,995.601 ppb	28.168 ppb
Concentration per Run	103.572 %	104.494 %	0.025 ppb	52.536 ppb	31,623.055 ppb	11,690.028 ppb	28.530 ppb
Concentration per Run	103.121 %	106.166 %	0.022 ppb	53.077 ppb	33,173.661 ppb	12,220.989 ppb	28.280 ppb
Concentration per Run	103.288 %	108.929 %	0.017 ppb	52.068 ppb	32,426.326 ppb	12,075.786 ppb	27.694 ppb
Concentration RSD	0.2 %	2.1 %	19.2 %	1.0 %	2.4 %	2.3 %	1.5 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	4,360.840 ppb	48,718.683 ppb	103.669 %	111.214 %	3.249 ppb	3.809 ppb	114.280 ppb
Concentration per Run	4,246.460 ppb	47,469.545 ppb	103.403 %	108.172 %	3.148 ppb	3.718 ppb	112.428 ppb
Concentration per Run	4,447.162 ppb	49,808.557 ppb	103.819 %	111.257 %	3.303 ppb	3.859 ppb	116.099 ppb
Concentration per Run	4,388.900 ppb	48,877.948 ppb	103.785 %	114.212 %	3.297 ppb	3.850 ppb	114.313 ppb
Concentration RSD	2.4 %	2.4 %	0.2 %	2.7 %	2.7 %	2.1 %	1.6 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	291.133 ppb	0.981 ppb	1.597 ppb	5.043 ppb	188.381 ppb	100.544 %	105.711 %
Concentration per Run	285.900 ppb	0.977 ppb	1.630 ppb	4.940 ppb	187.171 ppb	100.770 %	103.334 %
Concentration per Run	293.997 ppb	0.992 ppb	1.569 ppb	5.039 ppb	189.839 ppb	100.020 %	106.246 %
Concentration per Run	293.502 ppb	0.974 ppb	1.594 ppb	5.152 ppb	188.134 ppb	100.842 %	107.554 %
Concentration RSD	1.6 %	1.0 %	1.9 %	2.1 %	0.7 %	0.5 %	2.0 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	2.387 ppb	2.148 ppb	151.273 ppb	11.549 ppb	93.652 %	100.369 %	0.007 ppb
Concentration per Run	2.357 ppb	1.938 ppb	150.992 ppb	11.569 ppb	93.279 %	97.821 %	0.007 ppb
Concentration per Run	2.301 ppb	2.197 ppb	151.208 ppb	11.431 ppb	94.306 %	102.528 %	0.006 ppb
Concentration per Run	2.503 ppb	2.309 ppb	151.619 ppb	11.647 ppb	93.371 %	100.756 %	0.008 ppb
Concentration RSD	4.4 %	8.9 %	0.2 %	0.9 %	0.6 %	2.4 %	15.6 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.627 ppb	102.047 %	102.333 %	0.952 ppb	0.435 ppb	27.411 ppb	90.311 %
Concentration per Run	0.626 ppb	101.838 %	100.567 %	0.935 ppb	0.428 ppb	27.529 ppb	89.487 %
Concentration per Run	0.613 ppb	101.463 %	102.769 %	0.946 ppb	0.446 ppb	26.491 ppb	90.683 %
Concentration per Run	0.642 ppb	102.838 %	103.664 %	0.973 ppb	0.430 ppb	28.213 ppb	90.762 %
Concentration RSD	2.3 %	0.7 %	1.6 %	2.0 %	2.2 %	3.2 %	0.8 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	98.678 %	97.126 %	100.998 %	0.016 ppb	18.419 ppb	84.203 %	90.886 %
Concentration per Run	93.595 %	96.950 %	100.672 %	0.016 ppb	18.143 ppb	84.314 %	90.259 %
Concentration per Run	105.969 %	97.521 %	101.231 %	0.016 ppb	18.608 ppb	84.413 %	90.602 %
Concentration per Run	96.471 %	96.908 %	101.090 %	0.016 ppb	18.506 ppb	83.883 %	91.798 %
Concentration RSD	6.6 %	0.4 %	0.3 %	2.2 %	1.3 %	0.3 %	0.9 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 43
Analysis label: I2576155-02 6020TL
Analysis started at: 12/8/2025 6:30:53 PM
Comment <Comment>
Rack Number 1
Vial Numbers 20

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	106.066 %	111.361 %	0.003 ppb	1.488 ppb	162.161 ppb	7.285 ppb	0.857 ppb
Concentration per Run	105.790 %	111.260 %	0.004 ppb	1.529 ppb	156.913 ppb	7.122 ppb	0.632 ppb
Concentration per Run	106.598 %	112.730 %	0.001 ppb	1.496 ppb	162.086 ppb	7.237 ppb	1.148 ppb
Concentration per Run	105.809 %	110.094 %	0.003 ppb	1.439 ppb	167.486 ppb	7.496 ppb	0.792 ppb
Concentration RSD	0.4 %	1.2 %	55.3 %	3.0 %	3.3 %	2.6 %	30.8 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	2.448 ppb	36.769 ppb	105.422 %	115.141 %	-0.075 ppb	0.069 ppb	0.209 ppb
Concentration per Run	1.606 ppb	35.861 ppb	106.206 %	113.482 %	-0.074 ppb	0.057 ppb	0.180 ppb
Concentration per Run	1.916 ppb	38.464 ppb	105.476 %	116.767 %	-0.049 ppb	0.079 ppb	0.224 ppb
Concentration per Run	3.822 ppb	35.983 ppb	104.584 %	115.174 %	-0.101 ppb	0.072 ppb	0.222 ppb
Concentration RSD	49.0 %	4.0 %	0.8 %	1.4 %	34.1 %	16.5 %	11.9 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	1.120 ppb	0.003 ppb	-0.004 ppb	0.110 ppb	2.367 ppb	104.884 %	112.965 %
Concentration per Run	0.873 ppb	0.004 ppb	-0.007 ppb	0.101 ppb	0.074 ppb	105.289 %	113.327 %
Concentration per Run	1.462 ppb	0.004 ppb	0.002 ppb	0.120 ppb	3.685 ppb	105.347 %	111.840 %
Concentration per Run	1.024 ppb	0.001 ppb	-0.006 ppb	0.111 ppb	3.343 ppb	104.015 %	113.728 %
Concentration RSD	27.3 %	60.5 %	126.0 %	8.8 %	84.2 %	0.7 %	0.9 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	0.029 ppb	0.012 ppb	0.144 ppb	0.018 ppb	102.556 %	106.665 %	0.000 ppb
Concentration per Run	0.010 ppb	-0.024 ppb	0.125 ppb	0.014 ppb	102.293 %	107.030 %	-0.001 ppb
Concentration per Run	0.061 ppb	-0.093 ppb	0.169 ppb	0.021 ppb	103.112 %	107.324 %	0.001 ppb
Concentration per Run	0.017 ppb	0.153 ppb	0.137 ppb	0.019 ppb	102.264 %	105.642 %	0.001 ppb
Concentration RSD	95.0 %	1,078.0 %	15.8 %	19.5 %	0.5 %	0.8 %	867.8 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.001 ppb	97.316 %	108.911 %	-0.512 ppb	-0.004 ppb	0.179 ppb	93.367 %
Concentration per Run	0.001 ppb	105.662 %	108.505 %	-0.513 ppb	-0.007 ppb	0.163 ppb	94.338 %
Concentration per Run	0.001 ppb	92.993 %	109.202 %	-0.523 ppb	-0.004 ppb	0.197 ppb	92.517 %
Concentration per Run	0.001 ppb	93.294 %	109.024 %	-0.499 ppb	0.000 ppb	0.178 ppb	93.247 %
Concentration RSD	0.5 %	7.4 %	0.3 %	2.3 %	96.0 %	9.4 %	1.0 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	98.539 %	98.957 %	102.716 %	0.000 ppb	0.014 ppb	92.653 %	99.377 %
Concentration per Run	99.271 %	99.442 %	102.485 %	0.000 ppb	0.015 ppb	92.358 %	98.762 %
Concentration per Run	98.066 %	98.889 %	102.351 %	0.000 ppb	0.015 ppb	92.486 %	100.134 %
Concentration per Run	98.281 %	98.539 %	103.312 %	0.000 ppb	0.013 ppb	93.115 %	99.236 %
Concentration RSD	0.7 %	0.5 %	0.5 %	37.6 %	7.3 %	0.4 %	0.7 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 44
Analysis label: I2575576-08D10 6020TL
Analysis started at: 12/8/2025 6:36:29 PM
Comment <Comment>
Rack Number 1
Vial Numbers 31

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	103.783 %	107.999 %	0.002 ppb	16.220 ppb	43,076.075 ppb	4,477.443 ppb	1.871 ppb
Concentration per Run	103.655 %	108.751 %	0.002 ppb	16.279 ppb	42,015.376 ppb	4,401.491 ppb	1.786 ppb
Concentration per Run	104.542 %	108.472 %	0.002 ppb	16.029 ppb	43,375.625 ppb	4,470.725 ppb	1.638 ppb
Concentration per Run	103.151 %	106.775 %	0.001 ppb	16.350 ppb	43,837.222 ppb	4,560.113 ppb	2.187 ppb
Concentration RSD	0.7 %	1.0 %	27.0 %	1.0 %	2.2 %	1.8 %	15.2 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	622.109 ppb	15,803.745 ppb	104.357 %	111.815 %	-0.143 ppb	0.002 ppb	97.730 ppb
Concentration per Run	609.855 ppb	15,750.082 ppb	104.201 %	111.454 %	-0.139 ppb	-0.005 ppb	96.854 ppb
Concentration per Run	628.358 ppb	15,634.490 ppb	105.300 %	112.595 %	-0.153 ppb	0.005 ppb	97.845 ppb
Concentration per Run	628.116 ppb	16,026.663 ppb	103.570 %	111.395 %	-0.138 ppb	0.006 ppb	98.491 ppb
Concentration RSD	1.7 %	1.3 %	0.8 %	0.6 %	6.1 %	265.8 %	0.8 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	1,014.268 ppb	0.034 ppb	0.166 ppb	0.093 ppb	1.081 ppb	101.410 %	106.318 %
Concentration per Run	1,012.277 ppb	0.028 ppb	0.164 ppb	0.086 ppb	0.698 ppb	101.499 %	107.273 %
Concentration per Run	1,015.562 ppb	0.037 ppb	0.163 ppb	0.084 ppb	1.144 ppb	100.920 %	106.014 %
Concentration per Run	1,014.965 ppb	0.038 ppb	0.170 ppb	0.108 ppb	1.400 ppb	101.810 %	105.668 %
Concentration RSD	0.2 %	15.3 %	2.0 %	14.4 %	32.9 %	0.4 %	0.8 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	0.253 ppb	0.122 ppb	293.480 ppb	0.103 ppb	94.787 %	99.089 %	0.000 ppb
Concentration per Run	0.207 ppb	0.314 ppb	290.992 ppb	0.102 ppb	94.739 %	99.709 %	-0.001 ppb
Concentration per Run	0.283 ppb	0.062 ppb	292.066 ppb	0.106 ppb	95.861 %	99.690 %	0.001 ppb
Concentration per Run	0.268 ppb	-0.011 ppb	297.381 ppb	0.099 ppb	93.763 %	97.868 %	-0.001 ppb
Concentration RSD	16.0 %	139.7 %	1.2 %	3.4 %	1.1 %	1.1 %	603.2 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.011 ppb	98.230 %	102.923 %	-0.591 ppb	0.030 ppb	73.862 ppb	92.504 %
Concentration per Run	0.006 ppb	90.086 %	103.015 %	-0.580 ppb	0.031 ppb	71.847 ppb	92.533 %
Concentration per Run	0.013 ppb	102.658 %	103.002 %	-0.580 ppb	0.030 ppb	76.318 ppb	92.849 %
Concentration per Run	0.012 ppb	101.946 %	102.751 %	-0.613 ppb	0.029 ppb	73.420 ppb	92.128 %
Concentration RSD	35.4 %	7.2 %	0.1 %	3.3 %	4.2 %	3.1 %	0.4 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	102.965 %	98.746 %	100.380 %	0.000 ppb	0.033 ppb	87.228 %	91.802 %
Concentration per Run	107.755 %	98.352 %	100.216 %	0.000 ppb	0.032 ppb	86.910 %	92.384 %
Concentration per Run	95.588 %	98.219 %	100.361 %	0.000 ppb	0.032 ppb	87.510 %	91.643 %
Concentration per Run	105.551 %	99.666 %	100.562 %	0.000 ppb	0.035 ppb	87.263 %	91.378 %
Concentration RSD	6.3 %	0.8 %	0.2 %	36.8 %	5.1 %	0.3 %	0.6 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 45
Analysis label: L2574163-01 6020SL
Analysis started at: 12/8/2025 6:45:03 PM
Comment <Comment>
Rack Number 1
Vial Numbers 32

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	101.863 %	103.708 %	0.005 ppb	250.208 ppb	38,711.424 ppb	7,062.334 ppb	2.680 ppb
Concentration per Run	101.151 %	103.125 %	0.005 ppb	249.798 ppb	37,099.370 ppb	6,762.300 ppb	2.505 ppb
Concentration per Run	101.974 %	103.531 %	0.007 ppb	249.211 ppb	39,887.898 ppb	7,262.821 ppb	2.376 ppb
Concentration per Run	102.463 %	104.469 %	0.003 ppb	251.615 ppb	39,147.004 ppb	7,161.880 ppb	3.159 ppb
Concentration RSD	0.7 %	0.7 %	42.5 %	0.5 %	3.7 %	3.7 %	15.7 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	2,262.533 ppb	44,959.348 ppb	103.921 %	108.822 %	-0.097 ppb	0.195 ppb	189.903 ppb
Concentration per Run	2,194.299 ppb	43,293.119 ppb	103.765 %	106.281 %	-0.096 ppb	0.195 ppb	184.855 ppb
Concentration per Run	2,292.314 ppb	45,843.431 ppb	104.340 %	109.121 %	-0.085 ppb	0.192 ppb	194.103 ppb
Concentration per Run	2,300.985 ppb	45,741.495 ppb	103.658 %	111.065 %	-0.109 ppb	0.197 ppb	190.751 ppb
Concentration RSD	2.6 %	3.2 %	0.4 %	2.2 %	12.2 %	1.5 %	2.5 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	66.444 ppb	0.115 ppb	0.456 ppb	0.735 ppb	2.022 ppb	99.956 %	103.493 %
Concentration per Run	65.245 ppb	0.118 ppb	0.447 ppb	0.681 ppb	1.906 ppb	99.618 %	102.765 %
Concentration per Run	66.466 ppb	0.117 ppb	0.457 ppb	0.755 ppb	2.069 ppb	99.773 %	102.569 %
Concentration per Run	67.621 ppb	0.110 ppb	0.462 ppb	0.767 ppb	2.091 ppb	100.477 %	105.146 %
Concentration RSD	1.8 %	3.4 %	1.7 %	6.3 %	5.0 %	0.5 %	1.4 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	1.130 ppb	0.224 ppb	181.078 ppb	7.679 ppb	94.173 %	97.575 %	0.000 ppb
Concentration per Run	1.077 ppb	0.327 ppb	175.865 ppb	7.582 ppb	93.317 %	97.931 %	0.000 ppb
Concentration per Run	1.197 ppb	0.069 ppb	186.380 ppb	7.780 ppb	95.012 %	96.694 %	-0.001 ppb
Concentration per Run	1.117 ppb	0.276 ppb	180.989 ppb	7.674 ppb	94.190 %	98.099 %	0.001 ppb
Concentration RSD	5.4 %	61.0 %	2.9 %	1.3 %	0.9 %	0.8 %	758.2 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.039 ppb	101.628 %	100.803 %	-0.629 ppb	0.460 ppb	86.143 ppb	92.220 %
Concentration per Run	0.034 ppb	101.002 %	99.832 %	-0.616 ppb	0.440 ppb	84.909 ppb	92.767 %
Concentration per Run	0.045 ppb	101.614 %	100.062 %	-0.632 ppb	0.508 ppb	86.474 ppb	90.918 %
Concentration per Run	0.037 ppb	102.266 %	102.517 %	-0.639 ppb	0.432 ppb	87.047 ppb	92.976 %
Concentration RSD	13.8 %	0.6 %	1.5 %	1.9 %	9.0 %	1.3 %	1.2 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	105.400 %	98.111 %	98.197 %	0.001 ppb	0.301 ppb	85.653 %	89.580 %
Concentration per Run	105.079 %	99.341 %	98.158 %	0.002 ppb	0.300 ppb	84.811 %	89.310 %
Concentration per Run	104.829 %	97.152 %	97.199 %	0.001 ppb	0.305 ppb	85.721 %	89.578 %
Concentration per Run	106.293 %	97.840 %	99.235 %	0.002 ppb	0.300 ppb	86.427 %	89.851 %
Concentration RSD	0.7 %	1.1 %	1.0 %	42.6 %	1.0 %	0.9 %	0.3 %

Pace ICPMSX2 Data with SRD

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Analysis index: 46
Analysis label: L2574163-08 6020SL
Analysis started at: 12/8/2025 6:50:38 PM
Comment <Comment>
Rack Number 1
Vial Numbers 33

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	103.173 %	105.634 %	0.003 ppb	302.911 ppb	110,808.441 ppb	1,996.512 ppb	6.329 ppb
Concentration per Run	102.224 %	106.648 %	0.007 ppb	304.143 ppb	106,580.549 ppb	1,921.408 ppb	6.757 ppb
Concentration per Run	103.563 %	105.279 %	0.003 ppb	302.412 ppb	112,489.126 ppb	2,025.711 ppb	5.735 ppb
Concentration per Run	103.732 %	104.975 %	0.000 ppb	302.177 ppb	113,355.646 ppb	2,042.418 ppb	6.494 ppb
Concentration RSD	0.8 %	0.8 %	101.9 %	0.4 %	3.3 %	3.3 %	8.4 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	2,652.616 ppb	43,573.748 ppb	106.203 %	110.745 %	2.301 ppb	0.130 ppb	58.157 ppb
Concentration per Run	2,548.936 ppb	42,268.416 ppb	105.605 %	110.097 %	2.302 ppb	0.129 ppb	57.301 ppb
Concentration per Run	2,677.941 ppb	44,655.401 ppb	106.166 %	110.938 %	2.297 ppb	0.121 ppb	58.158 ppb
Concentration per Run	2,730.972 ppb	43,797.428 ppb	106.839 %	111.200 %	2.305 ppb	0.140 ppb	59.012 ppb
Concentration RSD	3.5 %	2.8 %	0.6 %	0.5 %	0.2 %	7.6 %	1.5 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	13.897 ppb	0.094 ppb	0.424 ppb	4.123 ppb	1.531 ppb	100.464 %	103.422 %
Concentration per Run	14.171 ppb	0.092 ppb	0.395 ppb	4.003 ppb	1.548 ppb	100.454 %	103.741 %
Concentration per Run	13.716 ppb	0.099 ppb	0.470 ppb	4.182 ppb	1.608 ppb	100.390 %	103.336 %
Concentration per Run	13.805 ppb	0.089 ppb	0.408 ppb	4.183 ppb	1.437 ppb	100.549 %	103.189 %
Concentration RSD	1.7 %	5.7 %	9.5 %	2.5 %	5.7 %	0.1 %	0.3 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	1.037 ppb	1.158 ppb	502.420 ppb	2.399 ppb	93.004 %	96.257 %	0.005 ppb
Concentration per Run	1.005 ppb	0.875 ppb	498.880 ppb	2.398 ppb	93.043 %	96.286 %	0.004 ppb
Concentration per Run	1.022 ppb	1.065 ppb	501.938 ppb	2.399 ppb	91.467 %	95.390 %	0.005 ppb
Concentration per Run	1.085 ppb	1.534 ppb	506.443 ppb	2.399 ppb	94.501 %	97.093 %	0.006 ppb
Concentration RSD	4.1 %	29.3 %	0.8 %	0.0 %	1.6 %	0.9 %	16.8 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.165 ppb	101.625 %	100.418 %	-0.555 ppb	1.281 ppb	20.207 ppb	92.129 %
Concentration per Run	0.151 ppb	100.854 %	100.484 %	-0.505 ppb	1.303 ppb	20.725 ppb	92.781 %
Concentration per Run	0.173 ppb	101.590 %	100.455 %	-0.657 ppb	1.295 ppb	19.975 ppb	91.788 %
Concentration per Run	0.172 ppb	102.432 %	100.315 %	-0.502 ppb	1.247 ppb	19.922 ppb	91.817 %
Concentration RSD	7.5 %	0.8 %	0.1 %	16.0 %	2.4 %	2.2 %	0.6 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	101.781 %	98.410 %	99.006 %	0.009 ppb	0.076 ppb	85.688 %	86.788 %
Concentration per Run	94.433 %	98.578 %	98.875 %	0.008 ppb	0.076 ppb	82.874 %	86.447 %
Concentration per Run	105.694 %	98.646 %	99.102 %	0.009 ppb	0.077 ppb	90.613 %	86.995 %
Concentration per Run	105.217 %	98.005 %	99.041 %	0.010 ppb	0.076 ppb	83.579 %	86.923 %
Concentration RSD	6.3 %	0.4 %	0.1 %	12.0 %	1.0 %	5.0 %	0.3 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 47
Analysis label: L2574607-03 6020TL
Analysis started at: 12/8/2025 6:56:14 PM
Comment <Comment>
Rack Number 1
Vial Numbers 36

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	105.762 %	106.715 %	0.007 ppb	18.559 ppb	63,696.321 ppb	10,043.561 ppb	15.332 ppb
Concentration per Run	105.127 %	106.242 %	0.006 ppb	18.792 ppb	63,111.591 ppb	9,883.164 ppb	14.070 ppb
Concentration per Run	105.919 %	106.141 %	0.006 ppb	18.680 ppb	64,593.878 ppb	10,152.124 ppb	16.358 ppb
Concentration per Run	106.241 %	107.763 %	0.010 ppb	18.206 ppb	63,383.492 ppb	10,095.395 ppb	15.568 ppb
Concentration RSD	0.5 %	0.9 %	28.5 %	1.7 %	1.2 %	1.4 %	7.6 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	1,826.663 ppb	15,650.633 ppb	106.965 %	109.759 %	0.245 ppb	3.470 ppb	1.826 ppb
Concentration per Run	1,783.224 ppb	15,221.535 ppb	106.155 %	108.925 %	0.236 ppb	3.495 ppb	1.789 ppb
Concentration per Run	1,857.149 ppb	15,958.809 ppb	106.103 %	109.044 %	0.259 ppb	3.424 ppb	1.887 ppb
Concentration per Run	1,839.616 ppb	15,771.554 ppb	108.637 %	111.307 %	0.241 ppb	3.491 ppb	1.803 ppb
Concentration RSD	2.1 %	2.4 %	1.4 %	1.2 %	4.9 %	1.1 %	2.9 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	32.146 ppb	0.125 ppb	2.221 ppb	0.283 ppb	0.829 ppb	103.035 %	105.887 %
Concentration per Run	31.483 ppb	0.129 ppb	2.222 ppb	0.281 ppb	0.780 ppb	102.514 %	105.555 %
Concentration per Run	32.742 ppb	0.124 ppb	2.222 ppb	0.279 ppb	0.873 ppb	102.617 %	106.548 %
Concentration per Run	32.213 ppb	0.122 ppb	2.218 ppb	0.289 ppb	0.834 ppb	103.973 %	105.557 %
Concentration RSD	2.0 %	2.9 %	0.1 %	1.9 %	5.6 %	0.8 %	0.5 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	0.122 ppb	0.409 ppb	98.050 ppb	0.093 ppb	95.792 %	97.273 %	0.002 ppb
Concentration per Run	0.134 ppb	0.274 ppb	96.985 ppb	0.093 ppb	94.896 %	98.298 %	0.004 ppb
Concentration per Run	0.096 ppb	0.422 ppb	98.500 ppb	0.097 ppb	95.972 %	96.857 %	0.003 ppb
Concentration per Run	0.138 ppb	0.531 ppb	98.666 ppb	0.088 ppb	96.508 %	96.664 %	0.001 ppb
Concentration RSD	19.0 %	31.6 %	0.9 %	5.1 %	0.9 %	0.9 %	68.9 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.008 ppb	100.311 %	102.367 %	-0.714 ppb	-0.002 ppb	94.416 ppb	94.532 %
Concentration per Run	0.007 ppb	91.117 %	102.672 %	-0.707 ppb	-0.007 ppb	93.501 ppb	94.312 %
Concentration per Run	0.006 ppb	105.131 %	102.517 %	-0.722 ppb	0.003 ppb	94.834 ppb	95.404 %
Concentration per Run	0.011 ppb	104.684 %	101.912 %	-0.713 ppb	-0.001 ppb	94.913 ppb	93.879 %
Concentration RSD	30.6 %	7.9 %	0.4 %	1.1 %	308.7 %	0.8 %	0.8 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	106.186 %	100.226 %	99.928 %	0.002 ppb	0.019 ppb	86.829 %	90.347 %
Concentration per Run	106.682 %	99.828 %	99.561 %	0.001 ppb	0.019 ppb	87.042 %	90.314 %
Concentration per Run	105.322 %	100.403 %	99.943 %	0.002 ppb	0.019 ppb	86.246 %	90.297 %
Concentration per Run	106.555 %	100.448 %	100.280 %	0.002 ppb	0.018 ppb	87.200 %	90.431 %
Concentration RSD	0.7 %	0.3 %	0.4 %	22.8 %	1.9 %	0.6 %	0.1 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 48
Analysis label: WG2149129-3d10 6020TL
Analysis started at: 12/8/2025 7:01:50 PM
Comment <Comment>
Rack Number 1
Vial Numbers 37

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	106.927 %	110.981 %	4.888 ppb	103.503 ppb	7,223.636 ppb	2,024.050 ppb	194.247 ppb
Concentration per Run	108.360 %	112.730 %	4.819 ppb	102.453 ppb	7,057.856 ppb	1,976.380 ppb	191.945 ppb
Concentration per Run	105.913 %	111.665 %	5.010 ppb	103.233 ppb	7,316.998 ppb	2,043.240 ppb	198.323 ppb
Concentration per Run	106.509 %	108.548 %	4.835 ppb	104.824 ppb	7,296.055 ppb	2,052.531 ppb	192.473 ppb
Concentration RSD	1.2 %	2.0 %	2.2 %	1.2 %	2.0 %	2.1 %	1.8 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	1,178.587 ppb	2,529.528 ppb	102.041 %	107.744 %	48.850 ppb	19.385 ppb	47.747 ppb
Concentration per Run	1,157.110 ppb	2,480.453 ppb	101.926 %	106.919 %	48.545 ppb	19.354 ppb	47.415 ppb
Concentration per Run	1,193.639 ppb	2,615.276 ppb	101.428 %	107.658 %	49.308 ppb	19.603 ppb	48.681 ppb
Concentration per Run	1,185.011 ppb	2,492.855 ppb	102.768 %	108.657 %	48.695 ppb	19.197 ppb	47.145 ppb
Concentration RSD	1.6 %	2.9 %	0.7 %	0.8 %	0.8 %	1.1 %	1.7 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	101.102 ppb	47.235 ppb	47.904 ppb	24.112 ppb	46.801 ppb	100.528 %	104.129 %
Concentration per Run	99.198 ppb	46.456 ppb	47.592 ppb	23.924 ppb	46.103 ppb	101.223 %	104.336 %
Concentration per Run	102.653 ppb	47.905 ppb	48.530 ppb	24.366 ppb	47.335 ppb	100.052 %	104.399 %
Concentration per Run	101.455 ppb	47.345 ppb	47.589 ppb	24.045 ppb	46.965 ppb	100.308 %	103.651 %
Concentration RSD	1.7 %	1.5 %	1.1 %	0.9 %	1.4 %	0.6 %	0.4 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	12.331 ppb	11.945 ppb	107.876 ppb	99.382 ppb	95.534 %	97.692 %	4.764 ppb
Concentration per Run	12.293 ppb	11.370 ppb	107.704 ppb	98.415 ppb	95.120 %	97.081 %	4.821 ppb
Concentration per Run	12.204 ppb	11.647 ppb	107.834 ppb	100.186 ppb	95.394 %	97.868 %	4.746 ppb
Concentration per Run	12.496 ppb	12.816 ppb	108.090 ppb	99.545 ppb	96.088 %	98.127 %	4.725 ppb
Concentration RSD	1.2 %	6.4 %	0.2 %	0.9 %	0.5 %	0.6 %	1.1 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	5.459 ppb	102.799 %	100.309 %	96.462 ppb	50.135 ppb	200.278 ppb	91.457 %
Concentration per Run	5.454 ppb	103.208 %	101.059 %	94.994 ppb	50.151 ppb	199.567 ppb	91.753 %
Concentration per Run	5.378 ppb	102.625 %	100.186 %	97.329 ppb	49.923 ppb	202.897 ppb	91.486 %
Concentration per Run	5.543 ppb	102.565 %	99.680 %	97.061 ppb	50.333 ppb	198.370 ppb	91.132 %
Concentration RSD	1.5 %	0.3 %	0.7 %	1.3 %	0.4 %	1.2 %	0.3 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	102.051 %	96.365 %	96.247 %	12.613 ppb	53.569 ppb	88.112 %	91.002 %
Concentration per Run	102.719 %	97.451 %	97.154 %	12.468 ppb	53.266 ppb	88.103 %	91.704 %
Concentration per Run	100.619 %	95.613 %	95.679 %	12.599 ppb	53.587 ppb	88.508 %	90.821 %
Concentration per Run	102.813 %	96.030 %	95.908 %	12.772 ppb	53.855 ppb	87.727 %	90.481 %
Concentration RSD	1.2 %	1.0 %	0.8 %	1.2 %	0.6 %	0.4 %	0.7 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 49
Analysis label: WG2149129-4d10 6020TL
Analysis started at: 12/8/2025 7:07:26 PM
Comment <Comment>
Rack Number 1
Vial Numbers 38

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	108.662 %	112.721 %	4.817 ppb	103.857 ppb	7,410.706 ppb	2,038.020 ppb	198.863 ppb
Concentration per Run	108.574 %	108.396 %	4.763 ppb	103.711 ppb	7,275.399 ppb	2,001.241 ppb	191.337 ppb
Concentration per Run	108.293 %	116.278 %	4.794 ppb	104.735 ppb	7,443.876 ppb	2,042.827 ppb	198.479 ppb
Concentration per Run	109.120 %	113.490 %	4.895 ppb	103.126 ppb	7,512.842 ppb	2,069.993 ppb	206.772 ppb
Concentration RSD	0.4 %	3.5 %	1.4 %	0.8 %	1.6 %	1.7 %	3.9 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	1,196.049 ppb	2,606.909 ppb	103.982 %	116.040 %	48.866 ppb	19.320 ppb	47.292 ppb
Concentration per Run	1,177.887 ppb	2,533.316 ppb	104.754 %	111.782 %	47.695 ppb	18.736 ppb	46.859 ppb
Concentration per Run	1,199.092 ppb	2,611.199 ppb	103.100 %	117.567 %	49.668 ppb	19.617 ppb	47.492 ppb
Concentration per Run	1,211.167 ppb	2,676.213 ppb	104.093 %	118.773 %	49.235 ppb	19.606 ppb	47.526 ppb
Concentration RSD	1.4 %	2.7 %	0.8 %	3.2 %	2.1 %	2.6 %	0.8 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	101.410 ppb	46.547 ppb	47.799 ppb	24.142 ppb	47.059 ppb	103.019 %	111.990 %
Concentration per Run	100.727 ppb	46.252 ppb	47.693 ppb	23.765 ppb	46.605 ppb	102.421 %	108.930 %
Concentration per Run	101.000 ppb	46.895 ppb	48.219 ppb	24.451 ppb	47.026 ppb	103.925 %	113.843 %
Concentration per Run	102.503 ppb	46.493 ppb	47.486 ppb	24.210 ppb	47.547 ppb	102.711 %	113.196 %
Concentration RSD	0.9 %	0.7 %	0.8 %	1.4 %	1.0 %	0.8 %	2.4 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	12.155 ppb	11.503 ppb	109.028 ppb	98.456 ppb	98.223 %	106.773 %	4.725 ppb
Concentration per Run	11.820 ppb	11.006 ppb	108.234 ppb	97.822 ppb	98.600 %	103.159 %	4.698 ppb
Concentration per Run	12.048 ppb	11.203 ppb	109.511 ppb	97.781 ppb	97.923 %	108.740 %	4.756 ppb
Concentration per Run	12.599 ppb	12.300 ppb	109.339 ppb	99.763 ppb	98.147 %	108.421 %	4.722 ppb
Concentration RSD	3.3 %	6.1 %	0.6 %	1.2 %	0.4 %	2.9 %	0.6 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	5.380 ppb	96.205 %	108.644 %	97.264 ppb	50.360 ppb	207.081 ppb	93.251 %
Concentration per Run	5.456 ppb	91.742 %	104.399 %	97.166 ppb	50.622 ppb	200.383 ppb	92.682 %
Concentration per Run	5.321 ppb	90.683 %	109.708 %	97.742 ppb	50.526 ppb	209.997 ppb	94.146 %
Concentration per Run	5.363 ppb	106.188 %	111.825 %	96.884 ppb	49.932 ppb	210.861 ppb	92.924 %
Concentration RSD	1.3 %	9.0 %	3.5 %	0.4 %	0.7 %	2.8 %	0.8 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	103.519 %	98.866 %	104.794 %	12.594 ppb	53.386 ppb	89.787 %	99.625 %
Concentration per Run	108.166 %	99.548 %	101.591 %	12.662 ppb	53.166 ppb	89.802 %	96.541 %
Concentration per Run	100.676 %	98.171 %	106.921 %	12.493 ppb	53.510 ppb	89.144 %	101.153 %
Concentration per Run	101.714 %	98.878 %	105.871 %	12.627 ppb	53.483 ppb	90.415 %	101.180 %
Concentration RSD	3.9 %	0.7 %	2.7 %	0.7 %	0.4 %	0.7 %	2.7 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 50
Analysis label: WG2149129-5d10 6020TL
Analysis started at: 12/8/2025 7:13:01 PM
Comment <Comment>
Rack Number 1
Vial Numbers 39

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	101.325 %	105.905 %	50.316 ppb	53.968 ppb	11,108.084 ppb	6,065.592 ppb	53.079 ppb
Concentration per Run	101.447 %	106.470 %	50.354 ppb	54.211 ppb	10,958.421 ppb	5,966.141 ppb	53.788 ppb
Concentration per Run	101.948 %	105.837 %	50.549 ppb	53.868 ppb	11,222.226 ppb	6,149.325 ppb	54.343 ppb
Concentration per Run	100.579 %	105.406 %	50.044 ppb	53.824 ppb	11,143.606 ppb	6,081.311 ppb	51.106 ppb
Concentration RSD	0.7 %	0.5 %	0.5 %	0.4 %	1.2 %	1.5 %	3.3 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	5,059.639 ppb	6,346.010 ppb	100.523 %	105.648 %	50.339 ppb	50.023 ppb	49.207 ppb
Concentration per Run	4,985.018 ppb	6,218.060 ppb	101.009 %	105.526 %	50.081 ppb	49.551 ppb	48.249 ppb
Concentration per Run	5,141.713 ppb	6,539.127 ppb	100.859 %	104.975 %	50.959 ppb	50.941 ppb	50.532 ppb
Concentration per Run	5,052.186 ppb	6,280.844 ppb	99.700 %	106.445 %	49.978 ppb	49.578 ppb	48.840 ppb
Concentration RSD	1.6 %	2.7 %	0.7 %	0.7 %	1.1 %	1.6 %	2.4 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	4,982.211 ppb	48.784 ppb	49.337 ppb	48.744 ppb	49.249 ppb	99.872 %	102.973 %
Concentration per Run	4,906.042 ppb	48.080 ppb	48.869 ppb	48.163 ppb	48.820 ppb	99.263 %	103.766 %
Concentration per Run	5,030.911 ppb	49.277 ppb	50.320 ppb	49.565 ppb	49.625 ppb	99.652 %	102.387 %
Concentration per Run	5,009.679 ppb	48.995 ppb	48.821 ppb	48.505 ppb	49.303 ppb	100.702 %	102.766 %
Concentration RSD	1.3 %	1.3 %	1.7 %	1.5 %	0.8 %	0.7 %	0.7 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	50.218 ppb	46.835 ppb	59.043 ppb	49.566 ppb	94.709 %	98.167 %	1.553 ppb
Concentration per Run	49.552 ppb	44.827 ppb	58.753 ppb	48.869 ppb	95.858 %	99.491 %	1.540 ppb
Concentration per Run	50.671 ppb	48.115 ppb	59.200 ppb	49.866 ppb	94.345 %	97.882 %	1.539 ppb
Concentration per Run	50.431 ppb	47.563 ppb	59.177 ppb	49.962 ppb	93.924 %	97.128 %	1.579 ppb
Concentration RSD	1.2 %	3.8 %	0.4 %	1.2 %	1.1 %	1.2 %	1.5 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	48.579 ppb	98.014 %	99.503 %	47.521 ppb	50.024 ppb	60.190 ppb	92.122 %
Concentration per Run	47.827 ppb	102.244 %	100.805 %	47.788 ppb	50.286 ppb	62.093 ppb	93.582 %
Concentration per Run	48.412 ppb	90.106 %	98.959 %	47.164 ppb	50.080 ppb	59.400 ppb	90.459 %
Concentration per Run	49.496 ppb	101.693 %	98.745 %	47.610 ppb	49.707 ppb	59.075 ppb	92.324 %
Concentration RSD	1.7 %	7.0 %	1.1 %	0.7 %	0.6 %	2.8 %	1.7 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	99.607 %	98.188 %	96.636 %	51.518 ppb	50.109 ppb	89.745 %	91.279 %
Concentration per Run	91.962 %	98.429 %	95.869 %	51.061 ppb	49.744 ppb	89.685 %	91.474 %
Concentration per Run	103.390 %	98.003 %	96.808 %	51.569 ppb	50.335 ppb	89.369 %	91.301 %
Concentration per Run	103.469 %	98.132 %	97.232 %	51.924 ppb	50.247 ppb	90.181 %	91.062 %
Concentration RSD	6.6 %	0.2 %	0.7 %	0.8 %	0.6 %	0.5 %	0.2 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 51
Analysis label: WG2149129-6d5 6020TL
Analysis started at: 12/8/2025 7:18:37 PM
Comment <Comment>
Rack Number 1
Vial Numbers 40

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	101.678 %	106.031 %	0.008 ppb	4.359 ppb	12,691.002 ppb	2,041.878 ppb	3.422 ppb
Concentration per Run	100.626 %	105.786 %	0.008 ppb	4.427 ppb	12,228.016 ppb	2,014.712 ppb	2.601 ppb
Concentration per Run	101.068 %	106.521 %	0.012 ppb	4.396 ppb	12,912.344 ppb	2,060.584 ppb	3.314 ppb
Concentration per Run	103.342 %	105.786 %	0.005 ppb	4.253 ppb	12,932.645 ppb	2,050.337 ppb	4.352 ppb
Concentration RSD	1.4 %	0.4 %	42.3 %	2.1 %	3.2 %	1.2 %	25.7 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	360.881 ppb	3,114.039 ppb	101.047 %	111.154 %	-0.077 ppb	0.693 ppb	0.396 ppb
Concentration per Run	354.057 ppb	3,084.833 ppb	100.000 %	110.174 %	-0.092 ppb	0.651 ppb	0.412 ppb
Concentration per Run	365.493 ppb	3,166.363 ppb	101.444 %	110.118 %	-0.082 ppb	0.705 ppb	0.384 ppb
Concentration per Run	363.091 ppb	3,090.921 ppb	101.697 %	113.171 %	-0.057 ppb	0.722 ppb	0.392 ppb
Concentration RSD	1.7 %	1.5 %	0.9 %	1.6 %	23.9 %	5.4 %	3.6 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	7.134 ppb	0.032 ppb	0.457 ppb	0.076 ppb	0.233 ppb	99.041 %	108.573 %
Concentration per Run	6.745 ppb	0.029 ppb	0.444 ppb	0.076 ppb	0.172 ppb	97.856 %	106.870 %
Concentration per Run	7.077 ppb	0.035 ppb	0.456 ppb	0.084 ppb	0.250 ppb	98.561 %	108.600 %
Concentration per Run	7.579 ppb	0.032 ppb	0.471 ppb	0.070 ppb	0.278 ppb	100.708 %	110.249 %
Concentration RSD	5.9 %	9.7 %	2.9 %	9.2 %	23.6 %	1.5 %	1.6 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	0.054 ppb	0.034 ppb	19.175 ppb	0.049 ppb	96.250 %	103.298 %	0.001 ppb
Concentration per Run	0.055 ppb	0.091 ppb	18.980 ppb	0.051 ppb	95.849 %	102.782 %	0.001 ppb
Concentration per Run	0.061 ppb	-0.111 ppb	19.052 ppb	0.045 ppb	95.780 %	103.509 %	0.001 ppb
Concentration per Run	0.047 ppb	0.123 ppb	19.492 ppb	0.053 ppb	97.121 %	103.604 %	0.000 ppb
Concentration RSD	12.6 %	373.3 %	1.4 %	8.3 %	0.8 %	0.4 %	43.9 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.008 ppb	102.437 %	105.768 %	-0.566 ppb	0.026 ppb	19.543 ppb	91.959 %
Concentration per Run	0.013 ppb	101.905 %	105.580 %	-0.557 ppb	0.023 ppb	19.948 ppb	91.923 %
Concentration per Run	0.007 ppb	102.979 %	105.787 %	-0.564 ppb	0.029 ppb	19.035 ppb	90.575 %
Concentration per Run	0.004 ppb	102.426 %	105.936 %	-0.579 ppb	0.027 ppb	19.646 ppb	93.381 %
Concentration RSD	61.0 %	0.5 %	0.2 %	2.0 %	11.3 %	2.4 %	1.5 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	102.345 %	98.424 %	102.268 %	0.018 ppb	0.019 ppb	90.753 %	98.091 %
Concentration per Run	97.378 %	97.986 %	102.167 %	0.025 ppb	0.021 ppb	90.480 %	97.506 %
Concentration per Run	109.224 %	98.451 %	102.079 %	0.015 ppb	0.019 ppb	90.611 %	97.602 %
Concentration per Run	100.432 %	98.834 %	102.557 %	0.015 ppb	0.016 ppb	91.169 %	99.164 %
Concentration RSD	6.0 %	0.4 %	0.2 %	31.2 %	15.3 %	0.4 %	0.9 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 52 Analysis started at: 12/8/2025 7:24:12 PM Rack Number 0
Analysis label: CCV Comment <Comment> Vial Numbers 3

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	102.097 %	105.567 %	62.662 ppb	60.295 ppb	6,065.529 ppb	6,284.022 ppb	62.115 ppb
Concentration per Run	102.205 %	102.695 %	63.123 ppb	59.540 ppb	6,035.943 ppb	6,251.283 ppb	60.348 ppb
Concentration per Run	102.010 %	105.710 %	62.699 ppb	61.128 ppb	6,151.955 ppb	6,360.921 ppb	62.858 ppb
Concentration per Run	102.076 %	108.295 %	62.164 ppb	60.218 ppb	6,008.688 ppb	6,239.862 ppb	63.139 ppb
Recovery Percentage			104.436 %	100.492 %	101.092 %	104.734 %	103.525 %
Concentration RSD	0.1 %	2.7 %	0.8 %	1.3 %	1.3 %	1.1 %	2.5 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	5,988.415 ppb	5,830.935 ppb	102.554 %	108.556 %	61.541 ppb	60.923 ppb	60.780 ppb
Concentration per Run	5,927.269 ppb	5,777.881 ppb	102.784 %	107.976 %	61.541 ppb	60.545 ppb	61.458 ppb
Concentration per Run	6,104.863 ppb	5,867.770 ppb	102.439 %	108.443 %	61.415 ppb	61.333 ppb	60.644 ppb
Concentration per Run	5,933.113 ppb	5,847.153 ppb	102.439 %	109.250 %	61.666 ppb	60.893 ppb	60.237 ppb
Recovery Percentage	99.807 %	97.182 %			102.568 %	101.539 %	101.300 %
Concentration RSD	1.7 %	0.8 %	0.2 %	0.6 %	0.2 %	0.6 %	1.0 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	6,127.862 ppb	60.572 ppb	60.864 ppb	60.815 ppb	58.791 ppb	100.442 %	104.594 %
Concentration per Run	6,091.032 ppb	60.134 ppb	61.078 ppb	61.078 ppb	58.070 ppb	100.283 %	103.880 %
Concentration per Run	6,148.928 ppb	61.263 ppb	60.680 ppb	60.552 ppb	59.197 ppb	101.271 %	105.265 %
Concentration per Run	6,143.626 ppb	60.319 ppb	60.835 ppb	60.814 ppb	59.106 ppb	99.773 %	104.637 %
Recovery Percentage	102.131 %	100.953 %	101.440 %	101.358 %	97.985 %		
Concentration RSD	0.5 %	1.0 %	0.3 %	0.4 %	1.1 %	0.8 %	0.7 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	61.203 ppb	60.420 ppb	59.340 ppb	60.270 ppb	96.826 %	100.069 %	60.985 ppb
Concentration per Run	60.962 ppb	61.084 ppb	59.021 ppb	60.075 ppb	97.628 %	100.013 %	61.108 ppb
Concentration per Run	61.135 ppb	59.203 ppb	59.842 ppb	59.748 ppb	97.240 %	100.448 %	60.707 ppb
Concentration per Run	61.512 ppb	60.973 ppb	59.156 ppb	60.989 ppb	95.610 %	99.747 %	61.140 ppb
Recovery Percentage	102.005 %	100.700 %	98.899 %	100.451 %			101.641 %
Concentration RSD	0.5 %	1.7 %	0.7 %	1.1 %	1.1 %	0.4 %	0.4 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	60.995 ppb	99.703 %	102.222 %	58.912 ppb	60.722 ppb	62.755 ppb	94.510 %
Concentration per Run	60.798 ppb	91.650 %	100.985 %	59.442 ppb	61.216 ppb	64.426 ppb	93.844 %
Concentration per Run	60.516 ppb	103.883 %	102.793 %	59.001 ppb	60.556 ppb	64.113 ppb	94.632 %
Concentration per Run	61.670 ppb	103.577 %	102.887 %	58.294 ppb	60.394 ppb	59.726 ppb	95.054 %
Recovery Percentage	101.658 %			98.187 %	101.204 %	104.592 %	
Concentration RSD	1.0 %	7.0 %	1.0 %	1.0 %	0.7 %	4.2 %	0.6 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	100.094 %	100.039 %	100.044 %	61.771 ppb	60.831 ppb	91.956 %	94.138 %
Concentration per Run	96.116 %	100.396 %	100.386 %	61.629 ppb	60.866 ppb	91.948 %	93.839 %
Concentration per Run	95.553 %	100.068 %	99.092 %	62.181 ppb	61.373 ppb	92.566 %	94.336 %
Concentration per Run	108.615 %	99.652 %	100.654 %	61.502 ppb	60.256 ppb	91.356 %	94.238 %
Recovery Percentage				102.951 %	101.386 %		
Concentration RSD	7.4 %	0.4 %	0.8 %	0.6 %	0.9 %	0.7 %	0.3 %

Pace ICPMSX2 Data with SRD

12/8/2025 7:37:30 PM

Analysis index: 53 Analysis started at: 12/8/2025 7:29:49 PM Rack Number 0
Analysis label: CCB Comment <Comment> Vial Numbers 4

Category	6Li (M-Level 10-None)	6Li (M-Level 10-KED)	9Be (M-Level 10-None)	11B (M-Level 10-None)	23Na (M-Level 10-KED)	24Mg (M-Level 10-KED)	27Al (M-Level 10-KED)
Concentration average	101.659 %	108.405 %	0.008 ppb	0.891 ppb	3.956 ppb	-0.582 ppb	-0.399 ppb
Concentration per Run	101.361 %	107.408 %	0.007 ppb	0.962 ppb	4.753 ppb	-0.450 ppb	-0.790 ppb
Concentration per Run	102.037 %	107.003 %	0.008 ppb	0.861 ppb	3.857 ppb	-0.682 ppb	-0.279 ppb
Concentration per Run	101.580 %	110.804 %	0.009 ppb	0.849 ppb	3.260 ppb	-0.613 ppb	-0.128 ppb
Recovery Percentage			1.548 %	8.908 %	0.791 %	-0.831 %	-3.993 %
Concentration RSD	0.3 %	1.9 %	9.0 %	7.0 %	19.0 %	20.5 %	86.9 %

Category	39K (M-Level 10-KED)	44Ca (M-Level 10-KED)	45Sc (M-Level 10-None)	45Sc (M-Level 10-KED)	51V (M-Level 10-KED)	52Cr (M-Level 10-KED)	55Mn (M-Level 10-KED)
Concentration average	-0.877 ppb	-1.645 ppb	100.432 %	112.388 %	-0.205 ppb	-0.020 ppb	0.068 ppb
Concentration per Run	-0.437 ppb	-1.305 ppb	101.668 %	112.092 %	-0.209 ppb	-0.019 ppb	0.065 ppb
Concentration per Run	-0.256 ppb	-3.943 ppb	101.331 %	112.141 %	-0.212 ppb	-0.020 ppb	0.055 ppb
Concentration per Run	-1.939 ppb	0.314 ppb	98.297 %	112.932 %	-0.193 ppb	-0.019 ppb	0.085 ppb
Recovery Percentage	-0.877 %	-1.645 %			-4.095 %	-1.971 %	6.849 %
Concentration RSD	105.3 %	130.6 %	1.8 %	0.4 %	5.0 %	3.4 %	21.7 %

Category	57Fe (M-Level 10-KED)	59Co (M-Level 10-KED)	60Ni (M-Level 10-KED)	63Cu (M-Level 10-KED)	66Zn (M-Level 10-KED)	74Ge (M-Level 10-None)	74Ge (M-Level 10-KED)
Concentration average	0.068 ppb	0.004 ppb	-0.010 ppb	0.010 ppb	-0.031 ppb	99.584 %	109.137 %
Concentration per Run	0.014 ppb	0.004 ppb	0.011 ppb	0.010 ppb	-0.038 ppb	99.307 %	108.502 %
Concentration per Run	0.147 ppb	0.004 ppb	-0.009 ppb	0.010 ppb	-0.054 ppb	99.011 %	109.618 %
Concentration per Run	0.044 ppb	0.004 ppb	-0.031 ppb	0.010 ppb	-0.002 ppb	100.436 %	109.291 %
Recovery Percentage	0.136 %	0.751 %	-0.486 %	0.986 %	-0.625 %		
Concentration RSD	102.1 %	6.0 %	212.3 %	5.0 %	83.7 %	0.8 %	0.5 %

Category	75As (M-Level 10-KED)	78Se (M-Level 10-KED)	88Sr (M-Level 10-KED)	95Mo (M-Level 10-KED)	103Rh (M-Level 10-None)	103Rh (M-Level 10-KED)	107Ag (M-Level 10-KED)
Concentration average	0.045 ppb	0.043 ppb	0.011 ppb	0.035 ppb	98.092 %	105.697 %	0.012 ppb
Concentration per Run	0.057 ppb	0.022 ppb	0.008 ppb	0.042 ppb	98.473 %	106.581 %	0.016 ppb
Concentration per Run	0.040 ppb	0.085 ppb	0.013 ppb	0.028 ppb	97.786 %	105.771 %	0.013 ppb
Concentration per Run	0.040 ppb	0.021 ppb	0.012 ppb	0.034 ppb	98.017 %	104.740 %	0.007 ppb
Recovery Percentage	9.087 %	0.852 %	2.173 %	1.733 %			2.999 %
Concentration RSD	21.3 %	86.1 %	26.5 %	19.2 %	0.4 %	0.9 %	35.2 %

Category	111Cd (M-Level 10-KED)	115In (M-Level 10-None)	115In (M-Level 10-KED)	118Sn (M-Level 10-KED)	121Sb (M-Level 10-KED)	137Ba (M-Level 10-KED)	159Tb (M-Level 10-None)
Concentration average	0.004 ppb	102.412 %	107.370 %	-0.289 ppb	0.062 ppb	0.005 ppb	92.220 %
Concentration per Run	0.007 ppb	103.054 %	106.999 %	-0.295 ppb	0.058 ppb	0.002 ppb	93.064 %
Concentration per Run	0.002 ppb	103.188 %	108.514 %	-0.306 ppb	0.058 ppb	0.005 ppb	91.240 %
Concentration per Run	0.002 ppb	100.995 %	106.596 %	-0.267 ppb	0.071 ppb	0.009 ppb	92.357 %
Recovery Percentage	1.783 %			-9.642 %	1.558 %	1.027 %	
Concentration RSD	76.4 %	1.2 %	0.9 %	7.0 %	11.7 %	69.4 %	1.0 %

Category	159Tb (M-Level 10-KED)	175Lu (M-Level 10-None)	175Lu (M-Level 10-KED)	205Tl (M-Level 10-KED)	208Pb (M-Level 10-KED)	209Bi (M-Level 10-None)	209Bi (M-Level 10-KED)
Concentration average	104.014 %	97.963 %	102.915 %	0.014 ppb	0.015 ppb	92.999 %	99.191 %
Concentration per Run	100.042 %	97.349 %	103.810 %	0.020 ppb	0.021 ppb	92.803 %	96.669 %
Concentration per Run	100.443 %	97.706 %	101.540 %	0.012 ppb	0.013 ppb	92.548 %	100.459 %
Concentration per Run	111.557 %	98.836 %	103.393 %	0.011 ppb	0.012 ppb	93.646 %	100.445 %
Recovery Percentage				1.446 %	1.543 %		
Concentration RSD	6.3 %	0.8 %	1.2 %	30.4 %	33.9 %	0.6 %	2.2 %

Interference Check Solutions
(ICP-MS)

Solution Component	Concentration (ug/L)
Al	100,000
Ca	300,000
Fe	250,000
Mg	100,000
Na	250,000
K	100,000
Mo	2000
As	0.0
Cd	0.0
Cr	0.0
Co	0.0
Cu	0.0
Mn	0.0
Ni	0.0
Se	0.0
Ag	0.0
V	0.0
Zn	0.0

LCS & MS Concentrations
(ICP-MS)

Element	Liquid Concentration (mg/L)
Aluminum	2.00
Antimony	0.5
Arsenic	0.12
Barium	2.00
Beryllium	0.05
Cadmium	0.051
Calcium	10.0
Chromium	0.20
Cobalt	0.50
Copper	0.25
Iron	1.00
Lead	0.51
Magnesium	10.0
Manganese	0.50
Molybdenum	1.00
Nickel	0.50
Potassium	10.0
Selenium	0.12
Silver	0.05
Sodium	10.0
Thallium	0.12
Vanadium	0.50
Zinc	0.50
*If a solid reference material was required, true values for the lot utilized can be provided upon request	

Calculation of Method 6020 Metals

Aqueous Samples

The instrument will calculate the concentration (µg/L). This value is divided by 1000 to convert the units to mg/L. If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, mg/L} = C_s \times (1\text{mg}/1000\mu\text{g}) \times (DF)$$

Where:

C_s = Concentration of sample (µg/L)

DF = Dilution Factor

Pace ICPMSRQ Seq

12/5/2025 6:54:35 AM

Sample List Summary:

Instrument ID: iCAP RQ

Index:	Label:	Rack	Vial	Main Runs:	Survey Runs:	Start Time:
1	Rinse	0	1	3	1	12/4/2025 2:08:49 PM
2	CAL LOT M25-1019	0	1	3	1	12/4/2025 2:13:19 PM
3	Blank TAA ICPMSRQ	4	49	3	1	12/4/2025 2:17:48 PM
4	0.2/20 Cal Plus	4	50	3	1	12/4/2025 2:22:39 PM
5	1/100 Cal Plus	4	51	3	1	12/4/2025 2:27:12 PM
6	10/1000 Cal Plus	4	52	3	1	12/4/2025 2:31:45 PM
7	30/3000 Cal	4	53	3	1	12/4/2025 2:36:18 PM
8	60/6000 Cal	4	54	3	1	12/4/2025 2:40:51 PM
9	90/9000 Cal	4	55	3	1	12/4/2025 2:45:24 PM
10	120/120000 Cal	4	56	3	1	12/4/2025 2:49:57 PM
11	Sr 200ppb	0	3	3	1	12/4/2025 2:54:57 PM
12	ICV	0	7	3	1	12/4/2025 2:59:28 PM
13	ICB	0	10	3	1	12/4/2025 3:04:02 PM
14	ICSA	0	4	3	1	12/4/2025 3:15:35 PM
15	LDR Check	0	5	3	1	12/4/2025 3:20:05 PM
16	Rinse	0	1	3	1	12/4/2025 3:24:37 PM
17	CCV	0	9	3	1	12/4/2025 3:29:06 PM
18	CCB	0	10	3	1	12/4/2025 3:33:40 PM
19	CCV	0	9	3	1	12/4/2025 4:06:16 PM
20	CCB	0	10	3	1	12/4/2025 4:13:13 PM
21	L2573522-02 6020TL	1	1	3	1	12/4/2025 4:22:44 PM
22	L2573522-03 6020TL	1	2	3	1	12/4/2025 4:27:11 PM
23	L2573522-06 6020TL	1	3	3	1	12/4/2025 4:31:39 PM
24	L2573522-07 6020TL	1	4	3	1	12/4/2025 4:36:08 PM
25	L2573522-08 6020TL	1	5	3	1	12/4/2025 4:40:36 PM
26	L2573522-09 6020TL	1	6	3	1	12/4/2025 4:45:05 PM
27	L2573548-01 6020TL	1	7	3	1	12/4/2025 4:49:35 PM
28	L2573548-02 6020TL	1	8	3	1	12/4/2025 4:54:05 PM
29	L2573548-03 6020TL	1	9	3	1	12/4/2025 4:58:35 PM
30	L2573548-04 6020TL	1	10	3	1	12/4/2025 5:03:05 PM
31	CCV	0	9	3	1	12/4/2025 5:07:36 PM
32	CCB	0	10	3	1	12/4/2025 5:12:10 PM
33	L2573548-06 6020TL	1	12	3	1	12/4/2025 5:22:16 PM
34	L2573548-05 6020TL	1	11	3	1	12/4/2025 5:26:46 PM
35	L2573548-07 6020TL	1	13	3	1	12/4/2025 5:31:17 PM
36	I2558607-77 6020TL	1	16	3	1	12/4/2025 5:35:44 PM
37	WG2146468-3d10 6020TL	1	17	3	1	12/4/2025 5:40:12 PM
38	WG2146468-4 6020TL	1	18	3	1	12/4/2025 5:44:40 PM
39	WG2146468-5d10 6020TL	1	19	3	1	12/4/2025 5:49:09 PM
40	WG2146468-6d5 6020TL	1	20	3	1	12/4/2025 5:53:37 PM
41	I2573548-08 6020TL	1	21	3	1	12/4/2025 5:58:06 PM
42	I2573548-09 6020TL	1	22	3	1	12/4/2025 6:02:35 PM
43	CCV	0	9	3	1	12/4/2025 6:07:05 PM
44	CCB	0	10	3	1	12/4/2025 6:11:40 PM
45	WG2146468-1 6020TL	1	14	3	1	12/4/2025 6:18:40 PM
46	L2573548-06 6020TL	1	36	3	1	12/4/2025 6:25:19 PM
47	WG2146468-2d10 6020TL	1	15	3	1	12/4/2025 6:29:48 PM
48	I2573548-10 6020TL	1	23	3	1	12/4/2025 6:34:16 PM
49	L2573832-01 6020TL	1	24	3	1	12/4/2025 6:38:46 PM
50	L2573832-02 6020TL	1	25	3	1	12/4/2025 6:43:16 PM
51	L2573832-03 6020TL	1	26	3	1	12/4/2025 6:47:45 PM

Pace ICPMSRQ Seq

12/5/2025 6:54:35 AM

Index:	Label:	Rack	Vial	Main Runs:	Survey Runs:	Start Time:
52	L2573845-01 6020TL	1	27	3	1	12/4/2025 6:52:12 PM
53	L2573845-02 6020TL	1	28	3	1	12/4/2025 6:56:40 PM
54	L2573845-03 6020TL	1	29	3	1	12/4/2025 7:01:08 PM
55	CCV	0	9	3	1	12/4/2025 7:05:37 PM
56	CCB	0	10	3	1	12/4/2025 7:10:12 PM
57	L2573845-04 6020TL	1	30	3	1	12/4/2025 7:19:17 PM
58	L2573845-05 6020TL	1	31	3	1	12/4/2025 7:23:45 PM
59	L2573845-06 6020TL	1	32	3	1	12/4/2025 7:28:14 PM
60	L2573845-07 6020TL	1	33	3	1	12/4/2025 7:32:43 PM
61	L2573845-08 6020TL	1	34	3	1	12/4/2025 7:37:13 PM
62	L2573845-10 6020TL	1	35	3	1	12/4/2025 7:41:43 PM
63	I2573456-06 6020TL	1	39	3	1	12/4/2025 7:46:13 PM
64	WG2148481-3d10 6020TL	1	40	3	1	12/4/2025 7:50:43 PM
65	WG2148481-4d10 6020TL	1	41	3	1	12/4/2025 7:55:11 PM
66	WG2148481-5d10 6020TL	1	42	3	1	12/4/2025 7:59:40 PM
67	CCV	0	9	3	1	12/4/2025 8:04:09 PM
68	CCB	0	10	3	1	12/4/2025 8:08:43 PM
69	WG2148481-1 6020TL	1	37	3	1	12/4/2025 8:34:37 PM
70	WG2148481-2d10 6020TL	1	38	3	1	12/4/2025 8:39:07 PM
71	WG2148481-6 6020TL	1	43	3	1	12/4/2025 8:43:36 PM
72	I2573909-11 6020TL	1	44	3	1	12/4/2025 8:48:05 PM
73	CCV	0	9	3	1	12/4/2025 8:53:42 PM
74	CCB	0	10	3	1	12/4/2025 8:58:17 PM
75	WG2146434-1 6020SL	1	45	3	1	12/4/2025 9:44:36 PM
76	WG2146434-2d10 6020SL	1	46	3	1	12/4/2025 9:49:05 PM
77	L2573405-01 6020SL	1	47	3	1	12/4/2025 9:53:35 PM
78	WG2146434-3d10 6020SL	1	48	3	1	12/4/2025 9:58:06 PM
79	WG2146434-4 6020SL	1	49	3	1	12/4/2025 10:02:36 PM
80	WG2146434-5d10 6020SL	1	50	3	1	12/4/2025 10:07:06 PM
81	WG2146434-6d5 6020SL	1	51	3	1	12/4/2025 10:11:36 PM
82	L2573405-02 6020SL	1	52	3	1	12/4/2025 10:16:06 PM
83	L2573405-03 6020SL	1	53	3	1	12/4/2025 10:20:35 PM
84	L2573436-02 6020SL	1	54	3	1	12/4/2025 10:25:04 PM
85	CCV	0	9	3	1	12/4/2025 10:29:33 PM
86	CCB	0	10	3	1	12/4/2025 10:34:09 PM
87	L2573548-06 6020SL	1	60	3	1	12/4/2025 10:38:44 PM
88	L2573548-01 6020SL	1	55	3	1	12/4/2025 10:43:15 PM
89	L2573548-02 6020SL	1	56	3	1	12/4/2025 10:47:45 PM
90	L2573548-03 6020SL	1	57	3	1	12/4/2025 10:52:15 PM
91	L2573548-04 6020SL	1	58	3	1	12/4/2025 10:56:45 PM
92	L2573548-05 6020SL	1	59	3	1	12/4/2025 11:01:15 PM
93	L2573548-07 6020SL	2	1	3	1	12/4/2025 11:05:46 PM
94	L2573548-08 6020SL	2	2	3	1	12/4/2025 11:10:16 PM
95	L2573548-09 6020SL	2	3	3	1	12/4/2025 11:14:47 PM
96	L2573548-10 6020SL	2	4	3	1	12/4/2025 11:19:17 PM
97	CCV	0	9	3	1	12/4/2025 11:23:48 PM
98	CCB	0	10	3	1	12/4/2025 11:28:23 PM
99	CCV	0	9	3	1	12/4/2025 11:32:59 PM
100	CCB	0	10	3	1	12/4/2025 11:37:34 PM

Pace ICPMSX2 Seq

12/8/2025 7:41:01 PM

Sample List Summary:

Instrument ID: iCAP MSX ICP-MS

Index:	Label:	Rack Number	Vial Numbers	Start Time:
1	Cal Lot M25-1181	0	1	12/8/2025 1:30:14 PM
2	Blank TAA ICPMSX2	4	49	12/8/2025 1:35:51 PM
3	0.2/20 Cal Plus Std 1	4	50	12/8/2025 1:41:28 PM
4	1/100 Cal Plus Std 2	4	51	12/8/2025 1:47:03 PM
5	10/1000 Cal Plus Std 3	4	52	12/8/2025 1:52:38 PM
6	30/3000 Cal	4	53	12/8/2025 1:58:13 PM
7	60/6000 Cal	4	54	12/8/2025 2:03:48 PM
8	90/9000 Cal	4	55	12/8/2025 2:09:23 PM
9	120/12000 Cal	4	56	12/8/2025 2:14:58 PM
10	30/3000 Cal	4	57	12/8/2025 2:27:42 PM
11	120/12000 Cal	4	58	12/8/2025 2:33:17 PM
12	Sr 200	0	7	12/8/2025 2:41:33 PM
13	ICV	0	2	12/8/2025 2:47:10 PM
14	ICB	0	4	12/8/2025 2:52:46 PM
15	ICSA	0	5	12/8/2025 3:11:37 PM
16	LDR	0	6	12/8/2025 3:17:12 PM
17	Rinse	0	1	12/8/2025 3:22:47 PM
18	CCV	0	3	12/8/2025 3:28:23 PM
19	CCB	0	4	12/8/2025 3:33:59 PM
20	L2574531-01 6020TL	1	1	12/8/2025 3:49:23 PM
21	L2575414-01 6020TL	1	2	12/8/2025 3:54:59 PM
22	L2575414-03 6020TL	1	3	12/8/2025 4:00:34 PM
23	L2575414-05 6020TL	1	4	12/8/2025 4:06:10 PM
24	L2575414-07 6020TL	1	5	12/8/2025 4:11:45 PM
25	L2575414-09 6020TL	1	6	12/8/2025 4:17:20 PM
26	L2575414-11 6020TL	1	7	12/8/2025 4:22:55 PM
27	L2575414-13 6020TL	1	8	12/8/2025 4:28:30 PM
28	CCV	0	3	12/8/2025 4:34:06 PM
29	CCB	0	4	12/8/2025 4:39:42 PM
30	I2574309-01 6020TL	1	9	12/8/2025 5:14:04 PM
31	I2574309-02 6020TL	1	10	12/8/2025 5:19:41 PM
32	I2574309-03 6020TL	1	11	12/8/2025 5:25:17 PM
33	I2574309-04 6020TL	1	12	12/8/2025 5:30:52 PM
34	I2574309-05 6020TL	1	13	12/8/2025 5:36:27 PM
35	I2574309-06 6020TL	1	14	12/8/2025 5:42:02 PM
36	I2574309-07 6020TL	1	15	12/8/2025 5:47:38 PM
37	I2574309-08 6020TL	1	16	12/8/2025 5:53:13 PM
38	I2575449-05 6020TL	1	17	12/8/2025 5:58:48 PM
39	I2575576-08 6020TL	1	18	12/8/2025 6:04:26 PM
40	CCV	0	3	12/8/2025 6:10:01 PM
41	CCB	0	4	12/8/2025 6:15:37 PM
42	I2575756-01 6020TL	1	19	12/8/2025 6:25:16 PM
43	I2576155-02 6020TL	1	20	12/8/2025 6:30:53 PM
44	I2575576-08D10 6020TL	1	31	12/8/2025 6:36:29 PM
45	L2574163-01 6020SL	1	32	12/8/2025 6:45:03 PM
46	L2574163-08 6020SL	1	33	12/8/2025 6:50:38 PM
47	L2574607-03 6020TL	1	36	12/8/2025 6:56:14 PM
48	WG2149129-3d10 6020TL	1	37	12/8/2025 7:01:50 PM
49	WG2149129-4d10 6020TL	1	38	12/8/2025 7:07:26 PM
50	WG2149129-5d10 6020TL	1	39	12/8/2025 7:13:01 PM
51	WG2149129-6d5 6020TL	1	40	12/8/2025 7:18:37 PM

Pace ICPMSX2 Seq

12/8/2025 7:41:01 PM

Index:	Label:	Rack Number	Vial Numbers	Start Time:
52	CCV	0	3	12/8/2025 7:24:12 PM
53	CCB	0	4	12/8/2025 7:29:49 PM
54	WG2149129-1 6020TL	1	34	
55	WG2149129-2d10 6020TL	1	35	
56	I2576155-03 6020TL	1	21	
57	I2576155-04 6020TL	1	22	
58	I2576155-05 6020TL	1	23	
59	I2576155-06 6020TL	1	24	
60	I2576155-08 6020TL	1	25	
61	I2576155-09 6020TL	1	26	
62	I2574309-03D10 6020TL	1	27	
63	I2574309-04D10 6020TL	1	28	
64	CCV	0	3	
65	CCB	0	4	
66	I2574309-05D10 6020TL	1	29	
67	I2574309-06D10 6020TL	1	30	
68		1	41	
69		1	42	
70	<Identifier>	1	43	
71	<Identifier>	1	44	
72	<Identifier>	1	45	
73	<Identifier>	1	46	
74	<Identifier>	1	47	
75	<Identifier>	1	48	
76	<Identifier>	1	49	
77	<Identifier>	1	50	
78	CCV	0	3	
79	CCB	0	4	
80	<Identifier>	1	51	
81	<Identifier>	1	52	
82	<Identifier>	1	53	
83	<Identifier>	1	54	
84	<Identifier>	1	55	
85	<Identifier>	1	56	
86	<Identifier>	1	57	
87	<Identifier>	1	58	
88	<Identifier>	1	59	
89	<Identifier>	1	60	
90	CCV	0	3	
91	CCB	0	4	
92	CCV	0	3	
93	CCB	0	4	

METALS ELN REPORT

Workgroup: WG2148481

Digestion

Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Pipette Id
EPA 3005A	1:1 HNO3	tHNO312012 5GAN	1:1 HCl	tHCL102825 ANV	METALS	METSPIKE2	IPS, FPS, MIX	METSPIKE2	IPS, FPS, MIX	140, 390

Additional Reagent/Std

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2573456-06 SAMP	12/02/25 12:03	Nathaniel Schlosser	50	<2		12/02/25 12:03	12	94.1	12/02/25 15:03	50	
L2573909-11 SAMP	12/02/25 12:03	Nathaniel Schlosser	50	<2		12/02/25 12:03	12	94.1	12/02/25 15:03	50	
L2574309-01 SAMP	12/02/25 12:03	Nathaniel Schlosser	50	<2		12/02/25 12:03	12	94.1	12/02/25 15:03	50	
L2574309-02 SAMP	12/02/25 12:03	Nathaniel Schlosser	50	<2		12/02/25 12:03	12	94.1	12/02/25 15:03	50	
L2574309-03 SAMP	12/02/25 12:03	Nathaniel Schlosser	50	<2		12/02/25 12:03	12	94.1	12/02/25 15:03	50	
L2574309-04 SAMP	12/02/25 12:03	Nathaniel Schlosser	50	<2		12/02/25 12:03	12	94.1	12/02/25 15:03	50	
L2574309-05 SAMP	12/02/25 12:03	Nathaniel Schlosser	50	<2		12/02/25 12:03	12	94.1	12/02/25 15:03	50	
L2574309-06 SAMP	12/02/25 12:03	Nathaniel Schlosser	50	<2		12/02/25 12:03	12	94.1	12/02/25 15:03	50	
L2574309-07 SAMP	12/02/25 12:03	Nathaniel Schlosser	50	<2		12/02/25 12:03	12	94.1	12/02/25 15:03	50	
L2574309-08 SAMP	12/02/25 12:03	Nathaniel Schlosser	50	<2		12/02/25 12:03	12	94.1	12/02/25 15:03	50	

METALS ELN REPORT

Workgroup: WG2148481

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2575449-05 WATER	12/02/25 12:03	Nathaniel Schlosser	50	<2		12/02/25 12:03	12	94.1	12/02/25 15:03	50	
L2575576-08 SAMP	12/02/25 12:03	Nathaniel Schlosser	50	<2		12/02/25 12:03	12	94.1	12/02/25 15:03	50	
L2575756-01 SAMP	12/02/25 12:03	Nathaniel Schlosser	50	<2		12/02/25 12:03	12	94.1	12/02/25 15:03	50	
L2576155-02 SAMP	12/02/25 12:03	Nathaniel Schlosser	50	<2		12/02/25 12:03	12	94.1	12/02/25 15:03	50	
L2576155-03 SAMP	12/02/25 12:03	Nathaniel Schlosser	50	<2		12/02/25 12:03	12	94.1	12/02/25 15:03	50	
L2576155-04 SAMP	12/02/25 12:03	Nathaniel Schlosser	50	<2		12/02/25 12:03	12	94.1	12/02/25 15:03	50	
L2576155-05 SAMP	12/02/25 12:03	Nathaniel Schlosser	50	<2		12/02/25 12:03	12	94.1	12/02/25 15:03	50	
L2576155-06 SAMP	12/02/25 12:03	Nathaniel Schlosser	50	<2		12/02/25 12:03	12	94.1	12/02/25 15:03	50	
L2576155-08 SAMP	12/02/25 12:03	Nathaniel Schlosser	50	<2		12/02/25 12:03	12	94.1	12/02/25 15:03	50	
L2576155-09 SAMP	12/02/25 12:03	Nathaniel Schlosser	50	<2		12/02/25 12:03	12	94.1	12/02/25 15:03	50	
WG2148481-1 BLANK	12/02/25 12:03	Nathaniel Schlosser	50	<2		12/02/25 12:03	12	94.1	12/02/25 15:03	50	FM112425CBP
WG2148481-2 LCS	12/02/25 12:03	Nathaniel Schlosser	50	<2	0.5	12/02/25 12:03	12	94.1	12/02/25 15:03	50	IPS110425ALC

Reported: 08-DEC-25 08:18 PM

METALS ELN REPORT

Workgroup: WG2148481

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
WG2148481-3 MS	12/02/25 12:03	Nathaniel Schlosser	50	<2	0.5	12/02/25 12:03	12	94.1	12/02/25 15:03	50	
WG2148481-4 MSD	12/02/25 12:03	Nathaniel Schlosser	50	<2	0.5	12/02/25 12:03	12	94.1	12/02/25 15:03	50	
WG2148481-5 PS	12/02/25 12:03	Nathaniel Schlosser	50	<2		12/02/25 12:03	12	94.1	12/02/25 15:03	50	
WG2148481-6 SERDIL	12/02/25 12:03	Nathaniel Schlosser	50	<2		12/02/25 12:03	12	94.1	12/02/25 15:03	50	

Reagent	Actual Volume	Units
1:1 Hydrochloric Acid (H	.5	ml
1:1 Nitric Acid (HNO3)	1	ml

Inorganic Data
(Mercury Analysis)

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575576-08	**Date Collected**	: 11/25/25 12:00
Client ID	: WC-112525	**Date Received**	: 11/25/25
Sample Location	: FAIRPORT, NY	**Date Analyzed**	: 12/03/25 09:58
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: JWN
Lab File ID	: WG2148869.pdf	**Instrument ID**	: NIC4
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 12/02/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2148486-1	**Date Collected**	: NA
Client ID	: WG2148486-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/03/25 09:35
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: JWN
Lab File ID	: WG2148869.pdf	**Instrument ID**	: NIC4
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 12/02/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 2A
Initial and Continuing Calibration Verification

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: NIC4	**Units**	: mg/l

		Initial Calibration			Continuing Calibration(s)						
Lab ID	:	R2043158-1			R2043158-3			R2043158-5		R2043158-7	
Date Analyzed	:	12/03/25 07:36			12/03/25 08:18			12/03/25 09:42		12/03/25 10:42	
Parameter		**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Mercury		0.00300	0.0028	95	0.0050	0.00500	101	0.00490	99	0.00480	97

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)

Form 3
Blanks

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: NIC4		

		Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
	Lab ID :	R2043158-2		R2043158-4		R2043158-6		R2043158-8		WG2148486-1	
	Date Analyzed :	12/03/25 07:40		12/03/25 08:21		12/03/25 09:45		12/03/25 10:45		12/03/25 09:35	
Parameter		mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Mercury		0.0000915	U	0.0000915	U	0.0000915	U	0.0000915	U	0.00009	U

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: L2573456-06		
Matrix Spike	: WG2148486-3	**MS Analysis Date**	: 12/03/25 09:52
Matrix Spike Dup	: WG2148486-4	**MSD Analysis Date**	: 12/03/25 09:55

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Mercury, Total	ND	0.005	0.00473	95	0.005	0.00480	96	1	75-125	20

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2148486-2	**LCS Analysis Date**	: 12/03/25 09:39
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Mercury, Total	**0.00100**	**0.000970**	**97.**					**80-120**	**20**

Form 12
Preparation Log

Client	:	**Roux Env. Eng. & Geology, DPC**	**Lab Number**	:	**L2575576**
Project Name	:	**1000 TURK HILL RD GWS**	**Project Number**	:	**3113.0001Y000**
Matrix	:	**WATER**	**Prep Method**	:	**EPA 7470A**

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2575576-08	12/02/25 17:19	-	25
WG2148486-1	12/02/25 17:19	-	25
WG2148486-2	12/02/25 17:19	-	25
WG2148486-3	12/02/25 17:19	-	25
WG2148486-4	12/02/25 17:19	-	25

Form 13
Analysis Run Log

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Instrument ID	: NIC4	**Analysis Method**	: 1,7470A
Start Date	: 12/03/25 07:36	**End Date**	: 12/03/25 10:45

Sample Number	Dilution Factor	Analysis Time	Mercury, Total
R2043158-1 ICV	1	07:36:59	X
R2043158-2 ICB	1	07:40:19	X
R2043158-3 CCV	1	08:18:33	X
R2043158-4 CCB	1	08:21:53	X
WG2148486-1 BLANK	1	09:35:50	X
WG2148486-2 LCS	1	09:39:09	X
R2043158-5 CCV	1	09:42:27	X
R2043158-6 CCB	1	09:45:46	X
WG2148486-3 MS	1	09:52:23	X
WG2148486-4 MSD	1	09:55:41	X
L2575576-08	1	09:58:59	X
R2043158-7 CCV	1	10:42:31	X
R2043158-8 CCB	1	10:45:49	X

Date Created: 03/19/18
Created By: Jason Hebert
File: PM4631-1
Page: 1

MERCURY by 7470A, 245.1 (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Mercury, Total	7439-97-6	0.0002	0.0000915	mg/l	80-120	20	75-125	20	20		28 days	1 - Plastic 500ml HNO3 preserved

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

Date Created: 01/22/21
Created By: Jason Hebert
File: PM9836-1
Page: 1

METALS by 7470A (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Mercury, Total	7439-97-6	0.0002	0.0000915	mg/l	80-120		75-125	20	20		28 days	1 - Plastic 500ml HNO3 preserved

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

Date Created: 01/22/21
Created By: Jason Hebert
File: PM9837-1
Page: 1

METALS by 7471B (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Mercury, Total	7439-97-6	0.08	0.05216	mg/kg	72-128		80-120	20	20		28 days	Metals Only-Glass 60mL/2oz unpreserv

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

Title :
Date : 12/3/2025
Name :

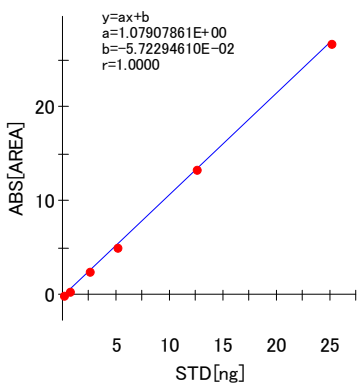
Method

STD
HONH3Cl
(1+1)H2SO4
10w/v% SnCl2

SMP
HONH3Cl
(1+1)H2SO4
10w/v% SnCl2

Measurement Time(sec

Calib



STD

No.	STD [ug/L]	SVOL [mL]	CVOL [mL]	DVOL [mL]	STD [ng]	AREA [ON]	MEAS [ng]	Dev [%]	M. TIME	Note
1	0.000	2.500	2.500	2.500	0.000	0.0131	0.0652	-	12/03/2025 07:15	JWN,NIC4
2	0.200	2.500	2.500	2.500	0.500	0.5029	0.5191	3.8	12/03/2025 07:18	JWN,NIC4
3	1.000	2.500	2.500	2.500	2.500	2.5934	2.4564	1.7	12/03/2025 07:22	JWN,NIC4
4	2.000	2.500	2.500	2.500	5.000	5.2667	4.9338	1.3	12/03/2025 07:25	JWN,NIC4
5	5.000	2.500	2.500	2.500	12.500	13.449	12.5167	0.1	12/03/2025 07:28	JWN,NIC4
6	10.000	2.500	2.500	2.500	25.000	26.929	25.0089	0.0	12/03/2025 07:32	JWN,NIC4

SMP

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
1	ICV	2.500	2.500	2.500	7.6062	7.1018	2.841	-	12/03/2025 07:36	JWN,NIC4
2	ICB	2.500	2.500	2.500	0.0159	0.0678	0.027	-	12/03/2025 07:40	JWN,NIC4
3	wg2148702-1 wg2148702	2.500	2.500	2.500	0.0191	0.0707	0.028	-	12/03/2025 07:45	JWN,NIC4
4	wg2148702-2 wg2148702	2.500	2.500	2.500	2.4696	2.3417	0.937	-	12/03/2025 07:48	JWN,NIC4
5	I2575864-01 wg2148702	2.500	2.500	2.500	0.0293	0.0802	0.032	-	12/03/2025 07:51	JWN,NIC4
6	wg2148702-3 wg2148702	2.500	2.500	2.500	12.6011	11.7307	4.692	-	12/03/2025 07:55	JWN,NIC4

NIC NIPPON INSTRUMENTS CORPORATION

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
7	wg2148702-4 wg2148702	2.500	2.500	2.500	0.0285	0.0794	0.032	-	12/03/2025 07:58	JWN,NIC4
8	I2575855-19 wg2148702	2.500	2.500	2.500	0.0298	0.0807	0.032	-	12/03/2025 08:01	JWN,NIC4
9	I2575855-22 wg2148702	2.500	2.500	2.500	0.0345	0.0850	0.034	-	12/03/2025 08:05	JWN,NIC4
10	I2575855-25 wg2148702	2.500	2.500	2.500	0.0235	0.0748	0.030	-	12/03/2025 08:08	JWN,NIC4
11	I2575855-28 wg2148702	2.500	2.500	2.500	0.0265	0.0776	0.031	-	12/03/2025 08:11	JWN,NIC4
12	I2575855-31 wg2148702	2.500	2.500	2.500	0.0289	0.0798	0.032	-	12/03/2025 08:15	JWN,NIC4
13	Check STD(5ug/L)	2.500	2.500	2.500	13.5139	12.5766	5.031	100.6	12/03/2025 08:18	JWN,NIC4
14	Check Blank	2.500	2.500	2.500	0.0158	0.0677	0.027	-	12/03/2025 08:21	JWN,NIC4
15	I2575855-34 wg2148702	2.500	2.500	2.500	0.0382	0.0884	0.035	-	12/03/2025 08:25	JWN,NIC4
16	I2575855-37 wg2148702	2.500	2.500	2.500	0.0347	0.0852	0.034	-	12/03/2025 08:28	JWN,NIC4
17	I2575855-40 wg2148702	2.500	2.500	2.500	0.0312	0.0819	0.033	-	12/03/2025 08:31	JWN,NIC4
18	I2575864-02 wg2148702	2.500	2.500	2.500	0.0364	0.0868	0.035	-	12/03/2025 08:35	JWN,NIC4
19	I2575864-03 wg2148702	2.500	2.500	2.500	0.0319	0.0826	0.033	-	12/03/2025 08:38	JWN,NIC4
20	I2575864-04 wg2148702	2.500	2.500	2.500	0.0292	0.0801	0.032	-	12/03/2025 08:41	JWN,NIC4
21	I2575864-05 wg2148702	2.500	2.500	2.500	0.0292	0.0801	0.032	-	12/03/2025 08:45	JWN,NIC4
22	I2575864-06 wg2148702	2.500	2.500	2.500	0.0364	0.0868	0.035	-	12/03/2025 08:48	JWN,NIC4
23	wg2148486-1 wg2148486	2.500	2.500	2.500	0.0226	0.0740	0.030	-	12/03/2025 09:35	JWN,NIC4
24	wg2148486-2 wg2148486	2.500	2.500	2.500	2.5715	2.4361	0.974	-	12/03/2025 09:39	JWN,NIC4
25	Check STD(5ug/L)	2.500	2.500	2.500	13.2558	12.3374	4.935	98.7	12/03/2025 09:42	JWN,NIC4
26	Check Blank	2.500	2.500	2.500	0.0104	0.0627	0.025	-	12/03/2025 09:45	JWN,NIC4
27	L2573456-06 wg2148486	2.500	2.500	2.500	0.0337	0.0843	0.034	-	12/03/2025 09:49	JWN,NIC4
28	wg2148486-3 wg2148486	2.500	2.500	2.500	12.7216	11.8424	4.737	-	12/03/2025 09:52	JWN,NIC4
29	wg2148486-4 wg2148486	2.500	2.500	2.500	12.8972	12.0051	4.802	-	12/03/2025 09:55	JWN,NIC4
30	L2575576-08 wg2148486	2.500	2.500	2.500	0.0372	0.0875	0.035	-	12/03/2025 09:58	JWN,NIC4
31	L2575756-01 wg2148486	2.500	2.500	2.500	0.0467	0.0963	0.039	-	12/03/2025 10:02	JWN,NIC4
32	L2576155-02 wg2148486	2.500	2.500	2.500	0.0297	0.0806	0.032	-	12/03/2025 10:05	JWN,NIC4
33	L2576155-03 wg2148486	2.500	2.500	2.500	0.0474	0.0970	0.039	-	12/03/2025 10:08	JWN,NIC4
34	L2576155-04 wg2148486	2.500	2.500	2.500	0.0375	0.0878	0.035	-	12/03/2025 10:12	JWN,NIC4
35	L2576155-05 wg2148486	2.500	2.500	2.500	0.0302	0.0810	0.032	-	12/03/2025 10:15	JWN,NIC4
36	L2576155-06 wg2148486	2.500	2.500	2.500	0.0319	0.0826	0.033	-	12/03/2025 10:18	JWN,NIC4
37	xCheck STD(5ug/L)	2.500	2.500	2.500	10.3630	9.6566	3.863	-	12/03/2025 10:22	JWN,NIC4/Check STD Error!!
38	Check STD(5ug/L)	2.500	2.500	2.500	12.9897	12.0908	4.836	96.7	12/03/2025 10:42	JWN,NIC4

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
39	Check Blank	2.500	2.500	2.500	0.0141	0.0661	0.026	-	12/03/2025 10:45	JWN,NIC4
40	L2576155-08 wg2148486	2.500	2.500	2.500	0.5689	0.5802	0.232	-	12/03/2025 10:49	JWN,NIC4
41	L2576155-09 wg2148486	2.500	2.500	2.500	0.0307	0.0815	0.033	-	12/03/2025 10:52	JWN,NIC4
42	WG2147977-1 WG2147977	2.500	2.500	2.500	0.0515	0.1008	0.040	-	12/03/2025 11:08	JWN,NIC4
43	WG2147977-2 WG2147977	2.500	2.500	2.500	2.5877	2.4511	0.980	-	12/03/2025 11:11	JWN,NIC4
44	L2573127-01 WG2147977	2.500	2.500	2.500	0.0450	0.0947	0.038	-	12/03/2025 11:14	JWN,NIC4
45	WG2147977-3 WG2147977	2.500	2.500	2.500	12.7629	11.8806	4.752	-	12/03/2025 11:18	JWN,NIC4
46	WG2147977-4 WG2147977	2.500	2.500	2.500	0.0399	0.0900	0.036	-	12/03/2025 11:21	JWN,NIC4
47	WG2148878-1 WG2148878	2.500	2.500	2.500	0.0769	0.1243	0.050	-	12/03/2025 11:40	JWN,NIC4
48	WG2148878-2 WG2148878	2.500	2.500	2.500	2.6197	2.4808	0.992	-	12/03/2025 11:44	JWN,NIC4
49	Check STD(5ug/L)	2.500	2.500	2.500	13.3698	12.4431	4.977	99.5	12/03/2025 11:47	JWN,NIC4
50	Check Blank	2.500	2.500	2.500	0.0113	0.0635	0.025	-	12/03/2025 11:50	JWN,NIC4
51	L2576261-01 WG2148878	2.500	2.500	2.500	0.4182	0.4406	0.176	-	12/03/2025 11:53	JWN,NIC4
52	WG2148878-3 WG2148878	2.500	2.500	2.500	13.0107	12.1103	4.844	-	12/03/2025 11:57	JWN,NIC4
53	WG2148878-4 WG2148878	2.500	2.500	2.500	0.5158	0.5310	0.212	-	12/03/2025 12:00	JWN,NIC4
54	L2574240-02 WG2148878	2.500	2.500	2.500	0.0298	0.0807	0.032	-	12/03/2025 12:04	JWN,NIC4

MERCURY TRUE VALUE CRITERIA

ICV	3 ug/l
LCSW	1 ug/l
MS	1 ug/l
CCV	5 ug/l

As of 6/1/13, Mercury True Value criteria is as follows:

ICV	3 ug/l
LCSW	1 ug/l
MS(aq)	5 ug/l
MS(soil)	1 ug/l
CCV	10 ug/l

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D102-540
Certificate Issue Date: June 22, 2018
Expiration Date: January 31, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8160	6.36	3960 - 12400	4080 - 12200
Antimony	120	60.9	9.42	0.822 - 121	12.0 - 166
Arsenic	144	135	5.08	112 - 158	94.6 - 176
Barium	469	443	6.77	366 - 521	332 - 554
Beryllium	207	197	5.86	164 - 229	148 - 246
Boron	213	174	12.6	127 - 221	105 - 244
Cadmium	224	204	6.65	169 - 240	153 - 256
Calcium	5190	4830	9.12	3950 - 5700	3510 - 6150
Chromium	138	132	8.56	109 - 155	92.2 - 171
Cobalt	182	179	7.93	151 - 207	134 - 224
Copper	191	184	6.72	155 - 213	138 - 230
Iron	15000	14400	10.7	8770 - 20000	5120 - 23600
Lead	225	216	7.72	178 - 254	159 - 274
Magnesium	2570	2340	6.13	1780 - 2900	1460 - 3230
Manganese	331	323	6.71	266 - 380	242 - 404
Mercury	16.8	13.2	16.0	8.64 - 17.7	7.89 - 18.5
Molybdenum	193	175	2.39	141 - 209	125 - 226
Nickel	163	152	5.95	126 - 178	106 - 197
Potassium	2420	2050	6.31	1440 - 2660	1210 - 2890
Selenium	81.9	74.9	4.13	59.3 - 90.5	47.0 - 103
Silver	57.6	53.9	9.00	43.0 - 64.8	37.8 - 70.0
Sodium	161	149	12.1	111 - 188	57.7 - 241
Strontium	100	96.2	4.04	78.1 - 114	69.0 - 123
Thallium	253	232	3.54	188 - 276	168 - 296

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Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	146	134	10.8	106 - 163	79.5 - 189
Titanium	449	340	7.20	70.2 - 609	44.9 - 711
Uranium	114	113	7.10	85.5 - 140	71.9 - 153
Vanadium	180	172	8.85	137 - 207	126 - 218
Zinc	217	211	6.58	171 - 250	147 - 274

ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8160	80.8	138	-	-
Antimony	120	60.9	50.8	135	-	-
Arsenic	144	135	93.8	184	-	-
Barium	469	443	94.5	158	-	-
Beryllium	207	197	95.0	148	-	-
Boron	213	174	81.8	107	-	-
Cadmium	224	204	91.3	199	-	-
Calcium	5190	4830	93.0	122	-	-
Chromium	138	132	95.5	172	-	-
Cobalt	182	179	98.4	140	-	-
Copper	191	184	96.3	183	-	-
Iron	15000	14400	95.6	133	-	-
Lead	225	216	96.2	204	-	-
Magnesium	2570	2340	91.2	122	-	-
Manganese	331	323	97.6	147	-	-
Mercury	16.8	13.2	78.3	128	-	-
Molybdenum	193	175	90.8	143	-	-
Nickel	163	152	93.1	185	-	-
Potassium	2420	2050	84.7	121	-	-
Selenium	81.9	74.9	91.5	163	-	-

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Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	57.6	53.9	93.6	150	-	-
Sodium	161	149	92.8	105	-	-
Strontium	100	96.2	96.2	90	-	-
Thallium	253	232	91.6	147	-	-
Tin	146	134	92.0	100	-	-
Titanium	449	340	75.6	93	-	-
Uranium	114	113	98.8	35	-	-
Vanadium	180	172	95.4	139	-	-
Zinc	217	211	97.0	180	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)**are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.
Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck

ISO/IEC GUIDE 34:2009 ACCREDITED REFERENCE MATERIAL PRODUCER CERTIFICATE NO. 1539.03

ISO/IEC 17025:2005 ACCREDITED CHEMICAL TESTING LABORATORY CERTIFICATE NO. 1539.02

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Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D105-540
Certificate Issue Date: March 19, 2019
Expiration Date: October 12, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8800	8.32	4600 - 13000	4470 - 13100
Antimony	282	147	7.70	6.17 - 289	28.2 - 366
Arsenic	155	143	6.34	119 - 168	100 - 186
Barium	439	415	5.37	343 - 488	311 - 519
Beryllium	192	179	2.78	149 - 210	134 - 224
Boron	216	160	7.08	113 - 208	96.1 - 238
Cadmium	61.5	56.2	0.528	46.6 - 65.9	42.2 - 70.3
Calcium	5190	4960	6.64	4090 - 5840	3610 - 6310
Chromium	104	101	4.75	83.2 - 118	70.5 - 131
Cobalt	196	189	0.500	158 - 219	141 - 236
Copper	65.0	63.1	2.65	53.1 - 73.1	47.3 - 78.9
Iron	15000	15700	8.94	10100 - 21300	6000 - 25400
Lead	126	125	4.77	103 - 146	89.3 - 160
Magnesium	2570	2410	6.26	1860 - 2970	1520 - 3310
Manganese	387	382	5.37	315 - 449	290 - 474
Mercury	7.76	7.61	13.7	5.53 - 9.69	4.57 - 10.7
Molybdenum	120	107	0.500	86.0 - 128	75.5 - 139
Nickel	117	108	0.514	89.5 - 127	75.7 - 141
Potassium	2420	2110	5.62	1500 - 2720	1260 - 2960
Selenium	84.6	77.9	7.10	61.8 - 94.0	49.2 - 107
Silver	34.6	34.3	8.34	27.8 - 40.9	23.6 - 45.1
Sodium	161	145	6.72	106 - 183	54.3 - 235
Strontium	104	104	3.95	85.1 - 123	74.8 - 133
Thallium	123	113	0.500	91.3 - 134	77.1 - 149

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Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	118	107	0.500	83.5 - 130	61.2 - 152
Titanium	512	421	5.80	114 - 728	0.00 - 854
Uranium	103	104	6.18	79.1 - 128	71.9 - 135
Vanadium	87.3	83.7	8.55	66.8 - 101	54.2 - 113
Zinc	251	240	3.98	194 - 285	168 - 312

ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8800	87.1	193	-	-
Antimony	282	147	52.3	216	-	-
Arsenic	155	143	92.5	240	-	-
Barium	439	415	94.6	222	-	-
Beryllium	192	179	93.4	220	-	-
Boron	216	160	74.2	152	-	-
Cadmium	61.5	56.2	91.5	239	-	-
Calcium	5190	4960	95.6	175	-	-
Chromium	104	101	96.8	237	-	-
Cobalt	196	189	96.2	215	-	-
Copper	65.0	63.1	97.1	237	-	-
Iron	15000	15700	105	195	-	-
Lead	126	125	99.0	243	-	-
Magnesium	2570	2410	93.9	177	-	-
Manganese	387	382	98.7	215	-	-
Mercury	7.76	7.61	98.0	157	-	-
Molybdenum	120	107	89.4	216	-	-
Nickel	117	108	92.5	235	-	-
Potassium	2420	2110	87.2	181	-	-
Selenium	84.6	77.9	92.1	231	-	-

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Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	34.6	34.3	99.3	216	-	-
Sodium	161	145	89.8	166	-	-
Strontium	104	104	99.9	148	-	-
Thallium	123	113	91.8	215	-	-
Tin	118	107	90.4	164	-	-
Titanium	512	421	82.2	157	-	-
Uranium	103	104	101	61	-	-
Vanadium	87.3	83.7	95.9	214	-	-
Zinc	251	240	95.5	234	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)**are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.
Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Brian Miller

Quality Officer

Matthew Seebeck

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ERA
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Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D109-540
Certificate Issue Date: March 24, 2020
Expiration Date: October 03, 2023
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8130	2.54	3920 - 12300	4060 - 12200
Antimony	259	134	5.03	4.56 - 264	25.9 - 335
Arsenic	171	156	3.38	129 - 183	109 - 203
Barium	253	239	4.81	197 - 280	179 - 298
Beryllium	179	169	6.59	141 - 198	127 - 212
Boron	114	87.5	10.3	62.5 - 113	52.5 - 125
Cadmium	149	137	5.43	113 - 160	103 - 171
Calcium	5190	4760	3.48	3890 - 5640	3460 - 6070
Chromium	163	154	3.79	126 - 181	108 - 200
Cobalt	127	121	5.07	101 - 141	90.8 - 151
Copper	57.0	54.9	4.13	46.1 - 63.6	41.1 - 68.6
Iron	15000	14100	6.27	8470 - 19700	4920 - 23200
Lead	133	130	3.00	107 - 152	93.3 - 167
Magnesium	2570	2320	3.32	1760 - 2880	1440 - 3200
Manganese	277	269	2.67	221 - 317	199 - 340
Mercury	21.6	20.5	7.72	14.7 - 26.3	12.3 - 28.6
Molybdenum	108	95.4	2.61	76.4 - 114	66.9 - 124
Nickel	58.7	53.9	4.97	44.5 - 63.3	37.7 - 70.0
Potassium	2420	2020	3.06	1410 - 2630	1190 - 2850
Selenium	181	167	5.63	132 - 201	113 - 221
Silver	35.5	33.6	5.20	26.8 - 40.3	23.0 - 44.1
Sodium	161	133	2.76	95.1 - 171	46.5 - 220
Strontium	89.7	87.9	4.59	71.7 - 104	62.8 - 113
Thallium	121	112	5.19	90.3 - 133	76.1 - 147

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Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	83.5	74.0	5.42	57.6 - 90.4	39.7 - 108
Titanium	474	333	7.17	48.6 - 617	46.3 - 620
Uranium	51.9	51.9	3.36	39.6 - 64.3	35.9 - 68.0
Vanadium	68.1	62.6	6.00	49.4 - 75.8	37.0 - 88.3
Zinc	165	158	2.34	128 - 188	111 - 205

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ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number[6]	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8130	80.5	196	-	-
Antimony	259	134	51.8	217	-	-
Arsenic	171	156	91.3	243	-	-
Barium	253	239	94.3	230	-	-
Beryllium	179	169	94.6	223	-	-
Boron	114	87.5	76.7	150	-	-
Cadmium	149	137	91.8	249	-	-
Calcium	5190	4760	91.8	184	-	-
Chromium	163	154	94.4	245	-	-
Cobalt	127	121	95.3	221	-	-
Copper	57.0	54.9	96.2	243	-	-
Iron	15000	14100	93.9	199	-	-
Lead	133	130	97.7	251	-	-
Magnesium	2570	2320	90.1	182	-	-
Manganese	277	269	97.2	220	-	-
Mercury	21.6	20.5	94.7	172	-	-
Molybdenum	108	95.4	88.3	218	-	-
Nickel	58.7	53.9	91.8	242	-	-
Potassium	2420	2020	83.5	187	-	-
Selenium	181	167	92.2	235	-	-
Silver	35.5	33.6	94.5	222	-	-
Sodium	161	133	82.7	177	-	-
Strontium	89.7	87.9	98.0	151	-	-
Thallium	121	112	92.2	219	-	-
Tin	83.5	74.0	88.6	170	-	-
Titanium	474	333	70.3	157	-	-
Uranium	51.9	51.9	100	60	-	-
Vanadium	68.1	62.6	91.9	213	-	-
Zinc	165	158	95.8	238	-	-

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1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor (k=2). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:
$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
U_{STS} = Standard uncertainty associated with short-term (transport) stability.
U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

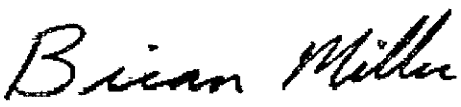
8. **Metrological Traceability**. This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller



Quality Officer

Matthew Seebeck

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Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D113-540
Certificate Issue Date: March 23, 2021
Expiration Date: October 13, 2024
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8630	12.0	4420 - 12800	4370 - 12900
Antimony	256	129	16.8	0.742 - 257	25.6 - 323
Arsenic	91.6	84.5	15.1	70.0 - 99.0	59.2 - 110
Barium	259	249	9.94	206 - 292	187 - 311
Beryllium	175	163	3.89	135 - 191	122 - 204
Boron	95.7	76.7	12.8	55.7 - 97.7	48.0 - 107
Cadmium	107	99.0	11.5	82.2 - 116	74.2 - 124
Calcium	5190	4760	11.8	3890 - 5640	3460 - 6070
Chromium	129	122	14.6	101 - 144	85.7 - 159
Cobalt	63.6	61.7	11.5	51.9 - 71.6	46.3 - 77.2
Copper	62.3	61.5	12.3	51.9 - 71.0	46.1 - 76.8
Iron	15000	14500	15.7	8860 - 20100	5190 - 23800
Lead	122	123	13.9	103 - 144	88.3 - 158
Lithium	6.42	7.30	18.7	5.13 - 9.48	3.20 - 11.4
Magnesium	2570	2360	8.87	1810 - 2920	1480 - 3250
Manganese	470	456	13.4	375 - 538	350 - 563
Mercury	22.1	18.9	14.5	13.0 - 24.8	11.3 - 26.4
Molybdenum	80.1	72.8	11.0	58.7 - 87.0	50.5 - 95.2
Nickel	143	135	14.2	112 - 158	94.7 - 176
Potassium	2420	2090	8.21	1480 - 2700	1240 - 2940
Selenium	128	121	11.7	96.9 - 146	80.4 - 162
Silver	45.4	44.1	6.69	35.5 - 52.8	30.7 - 57.6
Sodium	161	136	9.34	97.4 - 174	48.1 - 223
Strontium	82.2	82.3	8.42	67.4 - 97.1	58.6 - 106

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Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	154	144	7.54	117 - 171	101 - 187
Tin	89.7	79.8	14.0	62.2 - 97.4	43.5 - 116
Titanium	705	546	10.3	123 - 969	118 - 974
Uranium	29.5	30.9	3.38	23.9 - 37.9	21.3 - 40.5
Vanadium	196	186	14.2	148 - 224	138 - 235
Zinc	307	295	10.4	240 - 351	207 - 384

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Product: Metals in Soil
Catalog Number: 540
Lot No. D123-540
Certificate Issue Date: September 29, 2023
Expiration Date: June 01, 2027
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6780	7.45	3590 - 9980	3240 - 10300
Antimony	257	127	7.67	D.L. - 255	25.7 - 318
Arsenic	360	311	5.66	254 - 368	218 - 405
Barium	332	304	10.3	249 - 359	228 - 380
Beryllium	183	169	2.30	140 - 198	127 - 211
Boron	320	229	8.37	159 - 300	138 - 352
Cadmium	238	212	2.84	175 - 250	159 - 265
Calcium	5490	5170	7.20	4240 - 6090	3770 - 6560
Chromium	199	180	7.49	146 - 213	126 - 234
Cobalt	88.7	81.6	14.9	67.9 - 95.4	61.2 - 102
Copper	227	205	23.1	170 - 240	154 - 256
Iron	7360	6510	7.13	3760 - 9260	736 - 13200
Lead	100	92.8	17.9	75.9 - 110	65.0 - 121
Lithium	146	132	6.88	82.7 - 182	92.0 - 172
Magnesium	1900	1700	6.98	1280 - 2110	946 - 2450
Manganese	591	531	12.5	429 - 633	410 - 652
Mercury	14.4	11.9	8.30	7.99 - 15.7	7.12 - 16.6
Molybdenum	155	136	2.46	108 - 163	96.1 - 175
Nickel	342	313	7.24	258 - 368	219 - 407
Potassium	1500	1370	6.70	991 - 1750	713 - 2030
Selenium	170	165	4.43	133 - 197	112 - 218
Silver	88.6	82.4	6.61	65.5 - 99.2	58.5 - 106
Sodium	527	486	7.85	361 - 611	289 - 683
Strontium	148	136	8.52	109 - 163	98.7 - 173

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Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	226	205	4.43	166 - 245	148 - 263
Tin	85.2	75.4	3.97	58.7 - 92.1	40.6 - 110
Titanium	382	306	8.28	77.0 - 535	98.3 - 514
Uranium	46.5	47.2	5.32	36.2 - 58.2	28.6 - 65.8
Vanadium	118	103	7.76	80.3 - 126	70.0 - 136
Zinc	183	166	6.60	133 - 200	117 - 216

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ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number[6]	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6780	88.3	109	-	-
Antimony	257	127	49.3	117	-	-
Arsenic	360	311	86.5	145	-	-
Barium	332	304	91.6	129	-	-
Beryllium	183	169	92.4	121	-	-
Boron	320	229	71.6	84	-	-
Cadmium	238	212	89.2	163	-	-
Calcium	5490	5170	94.1	97	-	-
Chromium	199	180	90.4	145	-	-
Cobalt	88.7	81.6	92.0	121	-	-
Copper	227	205	90.3	151	-	-
Iron	7360	6510	88.5	110	-	-
Lead	100	92.8	92.8	161	-	-
Lithium	146	132	90.6	35	-	-
Magnesium	1900	1700	89.4	100	-	-
Manganese	591	531	89.8	125	-	-
Mercury	14.4	11.9	82.4	95	-	-
Molybdenum	155	136	87.5	120	-	-
Nickel	342	313	91.5	150	-	-
Potassium	1500	1370	91.3	99	-	-
Selenium	170	165	97.0	132	-	-
Silver	88.6	82.4	93.0	124	-	-
Sodium	527	486	92.2	100	-	-
Strontium	148	136	91.9	84	-	-
Thallium	226	205	90.8	117	-	-
Tin	85.2	75.4	88.5	90	-	-
Titanium	382	306	80.1	87	-	-
Uranium	46.5	47.2	102	30	-	-
Vanadium	118	103	87.4	119	-	-
Zinc	183	166	91.0	146	-	-

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1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor (k=2). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:
$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
U_{STS} = Standard uncertainty associated with short-term (transport) stability.
U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

8. **Metrological Traceability**. This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to era_info@waters.com.

This Certificate of Analysis is authorized by Waters ERA, Quality and Technical departments.

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Certified Reference Material

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Product: Metals in Soil
Catalog Number: 540
Lot No. D126-540
Certificate Issue Date: June 25, 2024
Expiration Date: January 17, 2028
Revision Number: 1.0
Revision Date: February 28, 2025

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6840	17.4	3640 - 10000	3280 - 10400
Antimony	250	131	7.92	5.96 - 256	25.0 - 328
Arsenic	229	192	15.3	156 - 228	135 - 252
Barium	244	219	20.5	179 - 259	164 - 274
Beryllium	165	146	6.80	120 - 172	110 - 183
Boron	255	175	13.9	119 - 231	105 - 280
Cadmium	134	114	6.45	93.1 - 135	85.5 - 147
Calcium	4280	4080	14.7	3360 - 4800	2930 - 5240
Chromium	172	153	13.9	124 - 182	107 - 199
Cobalt	253	231	19.3	192 - 271	174 - 289
Copper	99.6	91.2	17.6	75.8 - 107	68.4 - 114
Iron	7360	7020	21.4	4260 - 9770	736 - 13800
Lead	153	141	18.2	115 - 167	102 - 180
Lithium	104	96.1	13.2	60.8 - 131	68.1 - 124
Magnesium	2060	1900	16.9	1450 - 2350	1110 - 2690
Manganese	442	401	19.4	324 - 477	305 - 497
Mercury	15.9	14.1	7.72	9.82 - 18.4	8.45 - 19.7
Molybdenum	165	144	6.21	115 - 173	102 - 186
Nickel	165	143	14.5	117 - 170	100 - 187
Potassium	1950	1760	15.6	1270 - 2250	999 - 2520
Selenium	107	94.7	9.78	74.3 - 115	61.2 - 128
Silver	83.9	77.0	10.1	61.1 - 92.9	54.6 - 99.4
Sodium	732	661	15.6	487 - 834	409 - 913

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Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Strontium	222	191	15.0	151 - 232	140 - 244
Thallium	208	183	6.96	147 - 219	131 - 235
Tin	111	99.0	10.8	77.2 - 121	56.1 - 142
Titanium	422	353	19.9	99.4 - 606	128 - 577
Uranium	20.9	20.0	13.9	15.1 - 25.0	8.44 - 31.6
Vanadium	179	159	13.9	125 - 194	116 - 203
Zinc	327	292	5.83	233 - 351	204 - 379

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ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number[6]	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6840	89.0	135	-	-
Antimony	250	131	52.5	145	-	-
Arsenic	229	192	84.0	242	-	-
Barium	244	219	89.7	165	-	-
Beryllium	165	146	88.7	153	-	-
Boron	255	175	68.5	109	-	-
Cadmium	134	114	85.1	243	-	-
Calcium	4280	4080	95.4	119	-	-
Chromium	172	153	89.2	185	-	-
Cobalt	253	231	91.5	144	-	-
Copper	99.6	91.2	91.6	238	-	-
Iron	7360	7020	95.3	133	-	-
Lead	153	141	92.2	255	-	-
Lithium	104	96.1	92.4	45	-	-
Magnesium	2060	1900	92.3	122	-	-
Manganese	442	401	90.7	143	-	-
Mercury	15.9	14.1	88.6	148	-	-
Molybdenum	165	144	87.2	145	-	-
Nickel	165	143	86.9	232	-	-
Potassium	1950	1760	90.2	128	-	-
Selenium	107	94.7	88.5	167	-	-
Silver	83.9	77.0	91.8	157	-	-
Sodium	732	661	90.3	117	-	-
Strontium	222	191	86.2	92	-	-
Thallium	208	183	88.0	147	-	-
Tin	111	99.0	89.1	102	-	-
Titanium	422	353	83.6	90	-	-
Uranium	20.9	20.0	95.9	31	-	-
Vanadium	179	159	89.0	146	-	-
Zinc	327	292	89.3	233	-	-

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1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor (k=2). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:
$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
U_{STS} = Standard uncertainty associated with short-term (transport) stability.
U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

8. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to era_info@waters.com.

This Certificate of Analysis is authorized by Waters ERA, Quality and Technical departments.

Calculation of 7470A Mercury

Calculate Mercury concentration from the daily calibration curve. The curve is generated utilizing a straight-line equation defined as:

$$A = k1 + k2C$$

Where:

A = Average peak height of the sample/standard integrations
C = Sample/Standard Concentration, µg/L
k1 = y-intercept
k2 = slope

The instrument will plot peak height against concentration (µg/L). The result is generated in µg/L . This value is divided by 1000 to convert the units to mg/L. If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

Result, mg/L = (concentration, µg/L) x (1mg/1000µg) x (DF)

Calculation of 7471B Mercury

Calculate Mercury concentration from the daily calibration curve. The curve is generated utilizing a straight-line equation defined as:

$$A = k1 + k2C$$

Where:

A = Average peak height of the sample/standard integrations
C = Sample/Standard Concentration, µg/L
k1 = y-intercept
k2 = slope

The instrument will plot peak height against concentration (µg/L). The result is generated in µg/L . This value is divided by 1000 to convert the units to mg/L. If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

Result, mg/L = (concentration, µg/L) x (1mg/1000µg) x (DF)

The result in mg/kg is calculated on a dry weight basis using the sample weight digested(Wt), the final volume of the digestate(FV), and the percent total solids(%TS).

Result, mg/kg, wet = ((result, mg/L) x (FV)) /Wt

Result, mg/kg, dry wt = (Result, mg/kg wet)/(%TS)

No.	Sample No.	NAME curve: WG2147504
1	1	STD
2	2	STD
3	3	STD
4	4	STD
5	5	STD
6	6	STD
1	7	ICV
2	8	ICB
3	9	wg2148702-1 wg2148702
4	10	wg2148702-2 wg2148702
5	11	l2575864-01 wg2148702
6	12	wg2148702-3 wg2148702
7	13	wg2148702-4 wg2148702
8	14	l2575855-19 wg2148702
9	15	l2575855-22 wg2148702
10	16	l2575855-25 wg2148702
11	17	l2575855-28 wg2148702
12	18	l2575855-31 wg2148702
13	19	Check STD(5ug/L)
14	20	Check Blank
15	21	l2575855-34 wg2148702
16	22	l2575855-37 wg2148702
17	23	l2575855-40 wg2148702
18	24	l2575864-02 wg2148702
19	25	l2575864-03 wg2148702
20	26	l2575864-04 wg2148702
21	27	l2575864-05 wg2148702
22	28	l2575864-06 wg2148702
23	29	wg2148486-1 wg2148486
24	30	wg2148486-2 wg2148486
25	31	Check STD(5ug/L)
26	32	Check Blank
27	33	L2573456-06 wg2148486
28	34	wg2148486-3 wg2148486
29	35	wg2148486-4 wg2148486
30	36	L2575576-08 wg2148486
31	37	L2575756-01 wg2148486
32	38	L2576155-02 wg2148486
33	39	L2576155-03 wg2148486
34	40	L2576155-04 wg2148486
35	41	L2576155-05 wg2148486
36	42	L2576155-06 wg2148486
37	43	xCheck STD(5ug/L)

38	44	Check STD(5ug/L)
39	45	Check Blank
40	46	L2576155-08 wg2148486
41	47	L2576155-09 wg2148486
42	48	WG2147977-1 WG2147977
43	49	WG2147977-2 WG2147977
44	50	L2573127-01 WG2147977
45	51	WG2147977-3 WG2147977
46	52	WG2147977-4 WG2147977
47	53	WG2148878-1 WG2148878
48	54	WG2148878-2 WG2148878
49	55	Check STD(5ug/L)
50	56	Check Blank
51	57	L2576261-01 WG2148878
52	58	WG2148878-3 WG2148878
53	59	WG2148878-4 WG2148878
54	60	L2574240-02 WG2148878

METALS ELN REPORT

Workgroup: WG2148486

Digestion

Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Pipette Id
EPA 7470A	HNO3	24025521	H2SO4	24022024	METALS	METSPIKE	HG112625SAMV1	METSPIKE	HG112625SAMV1	328, 311

Additional Reagent/Std	K2O8S2	PS112525SAM
	KMnO4	PP112825SAM
	NaCl-NH2OH.HCl	HH2548301450CME
		ICV112525NRS

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2573456-06 SAMP	12/02/25 17:19	Nathaniel Schlosser	25		12/02/25 17:19	8	95.9	12/02/25 19:19	25	
L2575576-08 SAMP	12/02/25 17:19	Nathaniel Schlosser	25		12/02/25 17:19	8	95.9	12/02/25 19:19	25	
L2575756-01 SAMP	12/02/25 17:19	Nathaniel Schlosser	25		12/02/25 17:19	8	95.9	12/02/25 19:19	25	
L2576155-02 SAMP	12/02/25 17:19	Nathaniel Schlosser	25		12/02/25 17:19	8	95.9	12/02/25 19:19	25	
L2576155-03 SAMP	12/02/25 17:19	Nathaniel Schlosser	25		12/02/25 17:19	8	95.9	12/02/25 19:19	25	
L2576155-04 SAMP	12/02/25 17:19	Nathaniel Schlosser	25		12/02/25 17:19	8	95.9	12/02/25 19:19	25	
L2576155-05 SAMP	12/02/25 17:19	Nathaniel Schlosser	25		12/02/25 17:19	8	95.9	12/02/25 19:19	25	
L2576155-06 SAMP	12/02/25 17:19	Nathaniel Schlosser	25		12/02/25 17:19	8	95.9	12/02/25 19:19	25	

METALS ELN REPORT

Workgroup: WG2148486

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2576155-08 SAMP	12/02/25 17:19	Nathaniel Schlosser	25		12/02/25 17:19	8	95.9	12/02/25 19:19	25	
L2576155-09 SAMP	12/02/25 17:19	Nathaniel Schlosser	25		12/02/25 17:19	8	95.9	12/02/25 19:19	25	
WG2148486-1 BLANK	12/02/25 17:19	Nathaniel Schlosser	25		12/02/25 17:19	8	95.9	12/02/25 19:19	25	ELN: SAM
WG2148486-2 LCS	12/02/25 17:19	Nathaniel Schlosser	25	0.25	12/02/25 17:19	8	95.9	12/02/25 19:19	25	
WG2148486-3 MS	12/02/25 17:19	Nathaniel Schlosser	25	1.25	12/02/25 17:19	8	95.9	12/02/25 19:19	25	
WG2148486-4 MSD	12/02/25 17:19	Nathaniel Schlosser	25	1.25	12/02/25 17:19	8	95.9	12/02/25 19:19	25	

Reagent	Actual Volume	Units
Sulfuric Acid (H2SO4)	1.25	ml
Nitric Acid (HNO3)	.625	ml
Potassium Permanganat	3.75	ml
Potassium Persulfate (K	2	ml
NaCl-Hydroxylamine Hy	1.5	ml

Reported: 03-DEC-25 01:47 PM

Wet Chemistry

pH
Analysis

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575576-08	**Date Collected**	: 11/25/25 12:00
Client ID	: WC-112525	**Date Received**	: 11/25/25
Sample Location	: FAIRPORT, NY	**Date Analyzed**	: 11/26/25 15:37
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9040C	**Analyst**	: DMO
Lab File ID	: WG2146998.pdf	**Instrument ID**	: PH3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		SU			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12408-02-5	pH (H)	6.86	-	NA	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2575576
Project Name	:	1000 TURK HILL RD GWS	Project Number	:	3113.0001Y000
Lab ID	:	WG2146998-2	Date Collected	:	11/24/25 11:15
Client ID	:	WG2146998-2 DUP	Date Received	:	11/24/25
Sample Location	:		Date Analyzed	:	11/26/25 15:37
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	1,9040C	Analyst	:	DMO
Lab File ID	:	WG2146998.pdf	Instrument ID	:	PH3
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

			SU		
CAS NO.	Parameter	Results	RL	MDL	Qualifier
12408-02-5	pH	5.87		NA	

Sample Raw Data

Pace Analytical Services

Wet Chemistry pH ELN

Printed: NOV-26-25 15:57:34

WorkGroup WG2146998
Title pH
Method Electrode
Instrument PH3
Calibration Date 26-NOV-25
Temp (C) 25.3

CCV (SU)		LCS (SU)	
TrueValue	7	TrueValue	7
Lot Number	WC-3485	Lot Number	WC-3650

Daily Calibration

Calibration Date 26-NOV-25 02:50 Temp (C) 22.8 Slope 98.3

Standard	Lot #	Reading	Comments
4.0 Buffer	WC-3645	3.91	
7.0 Buffer	WC-3485	6.98	
10.0 Buffer	WC-3643	10	
ICV	WC-3650	7.04	

Acceptance Criteria:
ICV: 6.95-7.05
Slope: 95-105

Sample #	Analysis Date	Analyst		Reading (SU)	Comments
CCV1	26-NOV-25 15:37	DADMALY OLMEDO	--	6.98	25.3 C
WG2146998-1	26-NOV-25 15:37	DADMALY OLMEDO	--	6.98	25.3 C
L2574997-01	26-NOV-25 15:37	DADMALY OLMEDO		5.77	23.5 C
WG2146998-2	26-NOV-25 15:37	DADMALY OLMEDO		5.87	23.5 C
L2574997-02	26-NOV-25 15:37	DADMALY OLMEDO		5.83	23.3 C
L2575198-01	26-NOV-25 15:37	DADMALY OLMEDO		8.63	23.2 C
L2575576-08	26-NOV-25 15:37	DADMALY OLMEDO		6.86	23.2 C
CCV2	26-NOV-25 15:37	DADMALY OLMEDO	--	6.95	24.9 C

Quality Control

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: NA	**Analysis Date**	: 11/26/25 15:37
Dup Sample ID	: WG2146998-2	**DUP Analysis Date**	: 11/26/25 15:37

Parameter	Sample Concentration (SU)	Duplicate Concentration (SU)	RPD	RPD Limit
pH	5.77	5.87	2	5

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2146998-1	**LCS Analysis Date**	: 11/26/25 15:37
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (SU)**	**Found (SU)**	**%R**	**True (SU)**	**Found (SU)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
pH	**7.00**	**6.98**	**100.**					**99-101**	**5**

Reactivity Analysis

Results

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2575576
Project Name	:	1000 TURK HILL RD GWS	Project Number	:	3113.0001Y000
Lab ID	:	L2575576-08	Date Collected	:	11/25/25 12:00
Client ID	:	WC-112525	Date Received	:	11/25/25
Sample Location	:	FAIRPORT, NY	Date Analyzed	:	12/02/25 07:39
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	125,7.3	Analyst	:	DYQ
Lab File ID	:	WG2148261.csv	Instrument ID	:	GENSYS10VI
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	12/02/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Reactive	ND	1.0	1.0	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2148261-1	**Date Collected**	: NA
Client ID	: WG2148261-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/02/25 07:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 125,7.3	**Analyst**	: DYQ
Lab File ID	: WG2148261.csv	**Instrument ID**	: GENSYS10VI
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 12/02/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-12-5	Cyanide, Reactive	ND	1.0	1.0	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2148261-3	**Date Collected**	: 11/25/25 12:00
Client ID	: WC-112525DUP	**Date Received**	: 11/25/25
Sample Location	:	**Date Analyzed**	: 12/02/25 07:40
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 125,7.3	**Analyst**	: DYQ
Lab File ID	: WG2148261.csv	**Instrument ID**	: GENSYS10VI
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 12/02/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-12-5	Cyanide, Reactive	ND	1.0	1.0	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: L2575576-08	Date Collected	: 11/25/25 12:00
Client ID	: WC-112525	Date Received	: 11/25/25
Sample Location	: FAIRPORT, NY	Date Analyzed	: 12/02/25 07:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 125,7.3	Analyst	: DYQ
Lab File ID	: WG2148260.csv	Instrument ID	: GENSYS10VI
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 12/02/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Sulfide, Reactive	ND	1.0	1.0	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: WG2148260-1	Date Collected	: NA
Client ID	: WG2148260-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/02/25 07:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 125,7.3	Analyst	: DYQ
Lab File ID	: WG2148260.csv	Instrument ID	: GENSYS10VI
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 12/02/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Sulfide, Reactive	ND	1.0	1.0	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2148260-3	**Date Collected**	: 11/25/25 12:00
Client ID	: WC-112525DUP	**Date Received**	: 11/25/25
Sample Location	:	**Date Analyzed**	: 12/02/25 07:23
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 125,7.3	**Analyst**	: DYQ
Lab File ID	: WG2148260.csv	**Instrument ID**	: GENSYS10VI
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 12/02/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Sulfide, Reactive	ND	1.0	1.0	U

Sample Raw Data

PACE ANALYTICAL

WET CHEMISTRY DEPARTMENT

REACTIVE SULFIDE

Last Change 10/29/10
File ReactiveSulfide-S.xlt

SOP No.: 07-37

Product: REACTS
Curve Calibration Date : 11/14/2025
Curve Identifier: 11/14/2025
Analysis: Reactive Sulfide
Analyte: Sulfide, Reactive
Method: EPA 7.3
Prep Date/Time: 12/2/25 6:20
Instrument: GENSYS10vis
Technician: DYQ
Wavelength: 664 nm
Work group: WG2148260
LCS Volume(mL): 2.0
RDL: 1 mg/l
LCS Concentration (mg/L): 22.000
Cell: 1 cm
MS/MSD Volume(mL): N/A

Get Samples

Standard ID ug/100ml	Peak Area abs	Dilution
0	0.000	1.0
10.97	0.095	1.0
21.94	0.185	1.0
43.88	0.354	1.0
87.76	0.708	1.0
131.64	1.029	1.0
175.52	1.301	1.0

Calibration Curve
Volume: 50ml

Slope	y-intercept
0.007492	0.019684994

Correlation Coefficient
0.998968

LCS Concentration (mgkg): 4.40

Reagents/Media Information

Material	Lot No.	Used (mL)
ICV/LCS:	12/2/2025	
CCV:	12/2/2025	
MS:	NA	
1N NaOH:	R-4424	
Reactivity Sol'n:	12/2/2025	
Sulfide 1 Reagent:	R-4415	
Sulfide 2 Reagent:	R-4416	
0.1N NaOH:	NA	

Reactive Sulfide

Reactive Sulfide SPLI

Time	Date	Sample Number	Volume (mL)	Cell	Absorbance	ug S/100mL	Dilution		RDL Multiplier	Result (mg/Kg)	Recovery
7:21	12/2/2025	ICB	25mL		0	0.000	1			0.000	
7:21	12/2/2025	ICV	25mL		0.295	36.809	1			36.809	84%
7:21	12/2/2025	BLANK	10	1	0	0.000	1		1	0.00	
7:22	12/2/2025	LCS	10	2	0.259	32.014	1		1	3.20	73%
7:22	12/2/2025	L2575297-02	10	4	0	0.000	1		1	0.00	
7:23	12/2/2025	L2575576-08	10	5	0.013	0.000	1		1	0.00	
7:21	12/2/2025	WG2148260-1	10	1	0	0.000	1		1	0.00	
7:23	12/2/2025	WG2148260-3	10	6	0.014	0.000	1		1	0.00	DUP
7:24	12/2/2025	CCV	25mL		0.29	36.143	1			36.143	82%
7:24	12/2/2025	CCB	25mL		0	0.000	1			0.000	

		Sample number	Sample weight	Distillation Cell	Absorbance	Sample Result mg/kg	Dilution Factor	Spike conc. mg/kg	RDL Multiplier	Spike Result mg/kg	Recovery %
7:22	12/2/2025	WG2148260-2	10	2	0.259		1	4.40	1	3.20	1

	ICB
	ICV
	BLANK
	LCS
	L2575297-02
	L2575576-08
	WG2148260-1
L2575576-08	WG2148260-3
	CCV
	CCB

LCS	WG2148260-2

PACE ANALYTICAL

WET CHEMISTRY DEPARTMENT

REACTIVE CYANIDE

Last Change 10/29/10
File ReactiveCyanide-S.xlt

SOP No.: 07-37

Product: REACTCN
Curve Calibration Date : 11/6/2025
Curve Identifier: 110625
Analysis: Reactive Cyanide
Analyte: Cyanide, Reactive
Method: EPA 7.3
Prep Date/Time: 12/2/25 6:20
Instrument: GENSYS10vis
Technician: DYQ
Wavelength: 578 nm
Work group: WG2148261
LCS Volume(ml): 1.0
RDL: 1 mg/L
LCS Concentration (mg/l): 40.000
Cell: 1 cm
MS/MSD Volume(ml): N/A

Get Samples

Standard ID ug/100ml	Peak Area abs	Dilution
0	0.000	1.0
5	0.110	1.0
10	0.257	1.0
20	0.512	1.0
40	1.030	1.0
50	1.163	1.0

Calibration Curve
Volume: 50ml

Slope	y-intercept
0.024104	0.009835052

Correlation Coefficient
0.997118

LCS Concentration (mgkg): 4.00

Reagents/Media Information

Material	Lot No.	Used (mL)
ICV/LCS:	12/2/2025	Reactive Cyanide
CCV:	12/2/2025	
MS:	NA	
1N NaOH:	R-4424	
Reactivity Sol'n:	12/2/2025	Reactive Cyanide SPLI
Phosphate Buffer:	R-4434	
Chloramine-T Sol'n:	12/2/2025	
Pyridine:	R-4352	
0.1N NaOH:	NA	

Time	Date	Sample Number	Volume (mL)	Cell	Absorbance	ug CN/100ml	Dilution		RDL Multiplier	Result (mg/Kg)	Recovery
7:38	12/2/2025	ICB	20mL		0	0.000	1			0.000	
7:38	12/2/2025	ICV	20mL		0.972	39.808	1			39.808	100%
7:38	12/2/2025	BLANK	10	1	0.001	0.000	1		1	0.00	
7:39	12/2/2025	LCS	10	3	0.469	19.060	1		1	1.91	48%
7:39	12/2/2025	L2575297-02	10	4	0.002	0.000	1		1	0.00	
7:39	12/2/2025	L2575576-08	10	5	0	0.000	1		1	0.00	
7:38	12/2/2025	WG2148261-1	10	1	0.001	0.000	1		1	0.00	
7:40	12/2/2025	WG2148261-3	10	6	0	0.000	1		1	0.00	DUP
7:40	12/2/2025	CCV	20mL		1.005	41.169	1			41.169	103%
7:40	12/2/2025	CCB	20mL		0.002	0.000	1			0.000	

		Sample number	Sample Weight	Distillation Cell	Absorbance	Sample Result mg/kg	Dilution Factor	Spike conc. mg/kg	RDL Multiplier	Spike Result mg/kg	Recovery %
7:39	12/2/2025	WG2148261-2	10	3	0.469		1	4.00	1	1.91	0

	ICB
	ICV
	BLANK
	LCS
	L2575297-02
	L2575576-08
	WG2148261-1
L2575576-08	WG2148261-3
	CCV
	CCB

LCS	WG2148261-2

Quality Control

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: WC-112525	**Matrix**	: WATER
Lab Sample ID	: L2575576-08	**Analysis Date**	: 12/02/25 07:39
Dup Sample ID	: WG2148261-3	**DUP Analysis Date**	: 12/02/25 07:40

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Cyanide, Reactive	ND	ND	NC	25

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: WC-112525	**Matrix**	: WATER
Lab Sample ID	: L2575576-08	**Analysis Date**	: 12/02/25 07:23
Dup Sample ID	: WG2148260-3	**DUP Analysis Date**	: 12/02/25 07:23

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Sulfide, Reactive	ND	ND	NC	25

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2148261-2	**LCS Analysis Date**	: 12/02/25 07:39
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Cyanide, Reactive	**4.00**	**1.90**	**48.**					**30-125**	**25**

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2148260-2	**LCS Analysis Date**	: 12/02/25 07:22
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Sulfide, Reactive	**4.40**	**3.20**	**73.**					**60-125**	**25**

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Sulfide, Reactive	NONE	1	1	mg/l	60-125	25		25	25	7.3	7 days	1 - Amber 500ml unpreserved

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

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Sulfide, Reactive	NONE	10	10	mg/kg	60-125	40		40	40	7.3	14 days	1 - Glass 250ml/8oz unpreserved

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

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Cyanide, Reactive	57-12-5	1	1	mg/l	30-125	25		25	25	7.3	7 days	1 - Amber 500ml unpreserved

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

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Cyanide, Reactive	57-12-5	10	10	mg/kg	30-125	40		40	40	7.3	14 days	1 - Glass 250ml/8oz unpreserved

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

Calculations of CN in Reactive Cyanide

Liquid samples:

Calculate the concentration value of the sample (in ugCN/100ml) directly from the standard curve.

$$\text{ugCN/100ml} = \frac{\text{absorbance - y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

To calculate final result, divide concentration in ugCN/100ml by volume of the sample in milliliters.

Final result CN (mg/l) = CN ug/100 ml / volume (ml)

Soil samples:

Calculate the concentration value of the sample (in ugCN/100ml) directly from the standard curve.

$$\text{ugCN/100ml} = \frac{\text{absorbance - y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

To calculate final result, divide concentration in ugCN/100ml by weight of the sample in grams.

Final result CN (mg/kg) = CN ug/100 ml / weight (g)

Calculations of S in Reactive Sulfide

Liquid samples:

Calculate the concentration value of the sample (in ugS/100ml) directly from the standard curve.

$$\text{ugS/100ml} = \frac{\text{absorbance - y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

To calculate final result, divide concentration in ugS/100ml by volume of the sample in milliliters.

Final result S (mg/L) = S ug/100 ml / volume (ml)

Soil samples:

Calculate the concentration value of the sample (in ugS/100ml) directly from the standard curve.

$$\text{ugS/100ml} = \frac{\text{absorbance - y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

To calculate final result, divide concentration in ugS/100ml by weight of the sample in grams.

Final result S (mg/kg) = S ug/100 ml / weight (g)

Sample Preparation

	Sample	Sample Amount	Units	Comments
			mL	
1	Blank	10		
2	LCS S			
3	LCS CN			
4	L2575297-02			
5	75576-08			
6	-08			Dup
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

Analyst: DYG
Date: 12/2/25

Start Time: 6:20

Stop Time: 6:50

Sulfide
WG#: 2148260
WG#: _____

Cyanide
WG#: 2148261
WG#: _____

Reactivity Solution Made daily from H2SO4 stock Standards+ Reagents same as page #26

H2SO4 Stock: Lot#	NaOH, 1N Lot#	HCl, 1:1 Lot#
Sulfide ICV/LCS, ppm Lot#	Cyanide ICV/LCS, 40ppm Lot#	
Sulfide Color Soln #1 Lot#	Sulfide Color Soln #2 Lot#	Na2PO4 Lot#
Chloramine-T Lot#	Pyridine Rgt. Lot# Pyridine: HCl:	Barbituric Acid:

	Sample	Sample Amount	Units	Comments
			mL	
1	Blank	10		
2	LCS S			
3	LCS CN			
4	L2575297-02			
5	75576-08			
6	-08			Dup
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

Analyst: DYG
Date: 12/2/25
Start Time: 6:20
Stop Time: 6:50

Sulfide
WG#: 2148260
WG#: _____

Cyanide
WG#: 2148261
WG#: _____

Reactivity Solution Made daily from H2SO4 stock Standards + Reagents same as page #26

H2SO4 Stock: Lot#	NaOH, 1N Lot#	HCl, 1:1 Lot#

Sulfide ICV/LCS, ppm Lot#	Cyanide ICV/LCS, 40ppm Lot#

Sulfide Color Soln #1 Lot#	Sulfide Color Soln #2 Lot#	Na2PO4 Lot#

Chloramine-T Lot#	Pyridine Rgt. Lot# Pyridine: HCl: Barbituric Acid:

Nitrate and Nitrite Analysis

Results

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2575576
Project Name	:	1000 TURK HILL RD GWS	Project Number	:	3113.0001Y000
Lab ID	:	L2575576-01	Date Collected	:	11/25/25 14:30
Client ID	:	MW-2S	Date Received	:	11/25/25
Sample Location	:	FAIRPORT, NY	Date Analyzed	:	12/06/25 08:37
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NO3-F	Analyst	:	KAF
Lab File ID	:	NO3251206-B1	Instrument ID	:	FIA1
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Nitrate/Nitrite	0.40	0.10	0.046	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2575576
Project Name	:	1000 TURK HILL RD GWS	Project Number	:	3113.0001Y000
Lab ID	:	L2575576-02	Date Collected	:	11/25/25 10:35
Client ID	:	MW-2M	Date Received	:	11/25/25
Sample Location	:	FAIRPORT, NY	Date Analyzed	:	12/06/25 08:38
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NO3-F	Analyst	:	KAF
Lab File ID	:	NO3251206-B1	Instrument ID	:	FIA1
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Nitrate/Nitrite	0.10	0.10	0.046	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2575576
Project Name	:	1000 TURK HILL RD GWS	Project Number	:	3113.0001Y000
Lab ID	:	L2575576-03	Date Collected	:	11/25/25 13:45
Client ID	:	MW-16S	Date Received	:	11/25/25
Sample Location	:	FAIRPORT, NY	Date Analyzed	:	12/06/25 08:40
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NO3-F	Analyst	:	KAF
Lab File ID	:	NO3251206-B1	Instrument ID	:	FIA1
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Nitrate/Nitrite	ND	0.10	0.046	U

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2575576
Project Name	:	1000 TURK HILL RD GWS	Project Number	:	3113.0001Y000
Lab ID	:	L2575576-04	Date Collected	:	11/25/25 12:15
Client ID	:	RXMW-9S	Date Received	:	11/25/25
Sample Location	:	FAIRPORT, NY	Date Analyzed	:	12/06/25 08:41
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NO3-F	Analyst	:	KAF
Lab File ID	:	NO3251206-B1	Instrument ID	:	FIA1
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Nitrate/Nitrite	0.18	0.10	0.046	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2575576
Project Name	:	1000 TURK HILL RD GWS	Project Number	:	3113.0001Y000
Lab ID	:	L2575576-05	Date Collected	:	11/25/25 09:45
Client ID	:	MW-35M	Date Received	:	11/25/25
Sample Location	:	FAIRPORT, NY	Date Analyzed	:	12/06/25 08:42
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NO3-F	Analyst	:	KAF
Lab File ID	:	NO3251206-B1	Instrument ID	:	FIA1
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Nitrate/Nitrite	0.084	0.10	0.046	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2575576
Project Name	:	1000 TURK HILL RD GWS	Project Number	:	3113.0001Y000
Lab ID	:	L2575576-06	Date Collected	:	11/25/25 09:00
Client ID	:	DUP-112525	Date Received	:	11/25/25
Sample Location	:	FAIRPORT, NY	Date Analyzed	:	12/06/25 08:43
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NO3-F	Analyst	:	KAF
Lab File ID	:	NO3251206-B1	Instrument ID	:	FIA1
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Nitrate/Nitrite	0.080	0.10	0.046	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2575576
Project Name	:	1000 TURK HILL RD GWS	Project Number	:	3113.0001Y000
Lab ID	:	WG2150321-1	Date Collected	:	NA
Client ID	:	WG2150321-1BLANK	Date Received	:	NA
Sample Location	:		Date Analyzed	:	12/06/25 03:44
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NO3-F	Analyst	:	KAF
Lab File ID	:	NO3251206-A1	Instrument ID	:	FIA1
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Nitrate/Nitrite	ND	0.10	0.046	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: WG2150321-3	Date Collected	: 11/20/25 12:07
Client ID	: WG2150321-3 DUP	Date Received	: 11/20/25
Sample Location	:	Date Analyzed	: 12/06/25 08:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3251206-B1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Nitrate/Nitrite	1.1	0.10	0.05	

Sample Raw Data

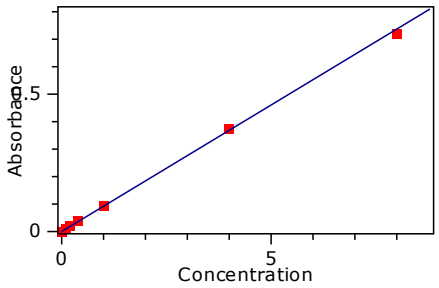
Graphical report generated by FIAsoft v3.1.10
Report generated on 2025-12-06 08:05:13
Data file (.dat): C:\FIAlab\Autosave Data\2025-12-06-080444.dat

Dataset Notes:

Analyst	

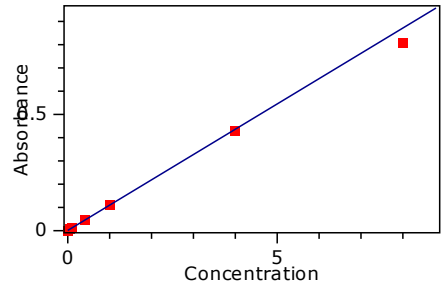
Dataset Notes Table Location: C:\FIAlab\FIAlab User Files\Tables\Dataset Notes\Analyst.csv

Calibrations:



Channel: 1-NOx
Fit_Order: 1
Weighting: 1/response
Standard relation
Coefficients:
A: 0.00005
B: 0.09211
R^2: 0.99970
RSE(%): 1.96881
% Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
2	NOx 8.0ppm	0.71950	8.00000	7.81090	2.36	2025-12-06T02:52:35
3	NOx 4.0ppm	0.37310	4.00000	4.05020	1.26	2025-12-06T02:53:44
4	NOx 1.0ppm	0.09140	1.00000	0.99130	0.87	2025-12-06T02:54:52
5	NOx 0.4ppm	0.03790	0.40000	0.41050	2.64	2025-12-06T02:55:59
6	NOx 0.2ppm	0.01850	0.20000	0.20070	0.36	2025-12-06T02:57:08
7	NOx 0.1ppm	0.00920	0.10000	0.09930	0.71	2025-12-06T02:58:19
8	NOx 0.0ppm	0.00010	0.00000	0.00060	NA	2025-12-06T02:59:24



Channel: 2-NO2
Fit_Order: 1
Weighting: 1/response
Standard relation
Coefficients:
A: 0.00111
B: 0.10880
R^2: 0.99911
RSE(%): 7.69295
% Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
9	Nitrite 8.0ppm	0.80610	8.00000	7.39900	7.51	2025-12-06T03:00:27
10	Nitrite 4.0ppm	0.42890	4.00000	3.93200	1.70	2025-12-06T03:01:36
11	Nitrite 1.0ppm	0.11170	1.00000	1.01690	1.69	2025-12-06T03:02:43
12	Nitrite 0.4ppm	0.04810	0.40000	0.43190	7.99	2025-12-06T03:03:52
13	Nitrite 0.1ppm	0.01300	0.10000	0.10910	9.09	2025-12-06T03:05:02
14	Nitrite 0.05ppm	0.00630	0.05000	0.04730	5.31	2025-12-06T03:06:13
15	Nitrite 0.0ppm	0.00080	0.00000	-0.00310	NA	2025-12-06T03:07:32

Results:

Channel: 1-NOx

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0004	1	1	1	0.0042		2025-12-06T02:51:20
NOx 8.0ppm	2	Standard	8	0.7195	1	1	1	7.8109		2025-12-06T02:52:35
NOx 4.0ppm	3	Standard	4	0.3731	1	1	1	4.0502		2025-12-06T02:53:44
NOx 1.0ppm	4	Standard	1	0.0914	1	1	1	0.9913		2025-12-06T02:54:52
NOx 0.4ppm	5	Standard	0.4	0.0379	1	1	1	0.4105		2025-12-06T02:55:59
NOx 0.2ppm	6	Standard	0.2	0.0185	1	1	1	0.2007		2025-12-06T02:57:08
NOx 0.1ppm	7	Standard	0.1	0.0092	1	1	1	0.0993		2025-12-06T02:58:19
NOx 0.0ppm	8	Standard	0	0.0001	1	1	1	0.0006		2025-12-06T02:59:24
Nitrite 8.0ppm	9	Standard	?	0.7238	1	1	1	7.8573	OVR	2025-12-06T03:00:39
Nitrite 4.0ppm	10	Standard	?	0.3752	1	1	1	4.0726		2025-12-06T03:01:48
Nitrite 1.0ppm	11	Standard	?	0.0932	1	1	1	1.0110		2025-12-06T03:02:55
Nitrite 0.4ppm	12	Standard	?	0.0392	1	1	1	0.4252		2025-12-06T03:04:04
Nitrite 0.1ppm	13	Standard	?	0.0096	1	1	1	0.1037		2025-12-06T03:05:13
Nitrite 0.05ppm	14	Standard	?	0.0048	1	1	1	0.0520		2025-12-06T03:06:23
Nitrite 0.0ppm	15	Standard	?	0.0002	1	1	1	0.0012		2025-12-06T03:07:33
CCV NO3	16	QC	1	0.0938	1	1	1	1.0176		2025-12-06T03:08:40
CCV NO2	17	QC	?	0.0947	1	1	1	1.0273		2025-12-06T03:09:46
CCB	18	QC	0	0.0000	1	1	1	-0.0008		2025-12-06T03:10:31
ICV NO3 5.0	19	QC	5	0.4679	1	1	1	5.0790		2025-12-06T03:12:03
ICV NO2 5.0	20	QC	?	0.4797	1	1	1	5.2075		2025-12-06T03:13:12
ICV NO3 0.5	21	QC	0.5	0.0449	1	1	1	0.4866		2025-12-06T03:14:21
ICV NO2 0.5	22	QC	?	0.0493	1	1	1	0.5343		2025-12-06T03:15:29
ICB	23	QC	0	0.0000	1	1	1	-0.0009		2025-12-06T03:16:15
Diluter CHK 8PPM	24	Unknown	?	0.1513	1	5	1	8.2079		2025-12-06T03:17:47
BLANK NO3	25	Unknown	?	-0.0001	1	1	1	-0.0015		2025-12-06T03:18:29
LCS NO3	26	Unknown	?	0.4684	1	1	1	5.0851		2025-12-06T03:20:02
BLANK NO2	27	Unknown	?	-0.0004	1	1	1	-0.0045		2025-12-06T03:20:42
LCS NO2	28	Unknown	?	0.4844	1	1	1	5.2586		2025-12-06T03:22:14
CCV NO3	29	QC	1	0.0893	1	1	1	0.9693		2025-12-06T03:23:20
CCV NO2	30	QC	?	0.0953	1	1	1	1.0341		2025-12-06T03:24:25
CCB	31	QC	0	0.0000	1	1	1	-0.0008		2025-12-06T03:25:12
WG2150314-1	32	Unknown	?	0.0001	1	1	1	0.0001		2025-12-06T03:26:43

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2150314-2	33	Unknown	?	0.4860	1	1	1	5.2758		2025-12-06T03:27:51
WG2150315-1	34	Unknown	?	-0.0004	1	1	1	-0.0052		2025-12-06T03:28:29
WG2150315-2	35	Unknown	?	0.4828	1	1	1	5.2411		2025-12-06T03:30:01
WG2150316-1	36	Unknown	?	-0.0003	1	1	1	-0.0042		2025-12-06T03:30:41
WG2150316-2	37	Unknown	?	0.4709	1	1	1	5.1114		2025-12-06T03:32:13
WG2150317-1	38	Unknown	?	-0.0002	1	1	1	-0.0026		2025-12-06T03:32:54
WG2150317-2	39	Unknown	?	0.4704	1	1	1	5.1062		2025-12-06T03:34:26
WG2150318/20-1	40	Unknown	?	-0.0003	1	1	1	-0.0038		2025-12-06T03:35:08
WG2150318/20-2	41	Unknown	?	0.4722	1	1	1	5.1258		2025-12-06T03:36:40
CCV NO3	42	QC	1	0.0892	1	1	1	0.9684		2025-12-06T03:37:45
CCV NO2	43	QC	?	0.0956	1	1	1	1.0377		2025-12-06T03:38:50
CCB	44	QC	0	-0.0001	1	1	1	-0.0011		2025-12-06T03:39:35
WG2150316-1	45	Unknown	?	0.0001	1	1	1	0.0005		2025-12-06T03:41:09
WG2150319-1	46	Unknown	?	0.0000	1	1	1	-0.0002		2025-12-06T03:42:09
WG2150319-2	47	Unknown	?	0.4706	1	1	1	5.1087		2025-12-06T03:43:21
WG2150321-1	48	Unknown	?	-0.0003	1	1	1	-0.0038		2025-12-06T03:44:00
WG2150321-2	49	Unknown	?	0.4711	1	1	1	5.1144		2025-12-06T03:45:32
L2577227-01M	50	Unknown	?	0.0028	1	1	1	0.0296		2025-12-06T03:46:38
L2577227-02M	51	Unknown	?	0.3470	1	1	1	3.7666		2025-12-06T03:47:43
L2577243-01N	52	Unknown	?	0.0069	1	1	1	0.0749		2025-12-06T03:48:47
WG2150316-3	53	Unknown	?	0.0117	1	1	1	0.1264		2025-12-06T03:49:52
WG2150316-4	54	Unknown	?	0.3832	1	1	1	4.1601		2025-12-06T03:50:56
CCV NO3	55	QC	1	0.0891	1	1	1	0.9668		2025-12-06T03:52:00
CCV NO2	56	QC	?	0.0949	1	1	1	1.0296		2025-12-06T03:53:06
CCB	57	QC	0	0.0000	1	1	1	-0.0010		2025-12-06T03:53:53
WG2150314-3	58	Unknown	?	0.0079	1	1	1	0.0847		2025-12-06T03:55:25
WG2150314-4	59	Unknown	?	0.4200	1	1	1	4.5598		2025-12-06T03:56:32
L2577243-02N	60	Unknown	?	0.0170	1	1	1	0.1842		2025-12-06T03:57:40
L2577243-03N	61	Unknown	?	0.0104	1	1	1	0.1124		2025-12-06T03:58:46
L2577243-04N	62	Unknown	?	0.0148	1	1	1	0.1603		2025-12-06T03:59:52
L2577243-05N	63	Unknown	?	0.0090	1	1	1	0.0972		2025-12-06T04:00:59
L2577439-01A	64	Unknown	?	0.0569	1	1	1	0.6175		2025-12-06T04:02:04
WG2150316-5	65	Unknown	?	0.0494	1	1	1	0.5361		2025-12-06T04:03:10

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2150316-6	66	Unknown	?	0.4527	1	1	1	4.9139		2025-12-06T04:04:15
WG2150314-5	67	Unknown	?	0.0493	1	1	1	0.5346		2025-12-06T04:05:20
CCV NO3	68	QC	1	0.0920	1	1	1	0.9988		2025-12-06T04:06:26
CCV NO2	69	QC	?	0.0938	1	1	1	1.0173		2025-12-06T04:07:31
CCB	70	QC	0	0.0000	1	1	1	-0.0004		2025-12-06T04:08:18
WG2150314-6	71	Unknown	?	0.5303	1	1	1	5.7567		2025-12-06T04:09:50
L2577535-01E	72	Unknown	?	0.5000	1	1	1	5.4275		2025-12-06T04:10:57
L2577538-01E	73	Unknown	?	0.0049	1	1	1	0.0531		2025-12-06T04:12:02
L2577539-01E	74	Unknown	?	0.0302	1	1	1	0.3268		2025-12-06T04:13:06
L2577543-01E	75	Unknown	?	0.1423	1	1	1	1.5445		2025-12-06T04:14:10
L2577544-01E	76	Unknown	?	1.0636	1	1	1	11.5472	OVR	2025-12-06T04:15:14
L2577545-01A	77	Unknown	?	0.1421	1	1	1	1.5423		2025-12-06T04:16:20
L2577632-01D	78	Unknown	?	0.0067	1	1	1	0.0726		2025-12-06T04:17:26
L2577632-02D	79	Unknown	?	0.0737	1	1	1	0.7992		2025-12-06T04:18:33
L2577632-03D	80	Unknown	?	0.0416	1	1	1	0.4512		2025-12-06T04:19:40
CCV NO3	81	QC	1	0.0930	1	1	1	1.0087		2025-12-06T04:20:45
CCV NO2	82	QC	?	0.0952	1	1	1	1.0331		2025-12-06T04:21:50
CCB	83	QC	0	0.0000	1	1	1	-0.0007		2025-12-06T04:22:38
L2577632-04D	84	Unknown	?	0.0690	1	1	1	0.7487		2025-12-06T04:24:11
L2577373-01E	85	Unknown	?	0.2024	1	1	1	2.1967		2025-12-06T04:25:18
L2577373-02D	86	Unknown	?	0.0032	1	1	1	0.0343		2025-12-06T04:26:24
L2577373-03D	87	Unknown	?	0.0020	1	1	1	0.0216		2025-12-06T04:27:30
L2577168-01F	88	Unknown	?	0.1149	1	1	1	1.2469		2025-12-06T04:28:35
WG2150317-3	89	Unknown	?	0.1129	1	1	1	1.2254		2025-12-06T04:29:40
WG2150317-4	90	Unknown	?	0.4755	1	1	1	5.1622		2025-12-06T04:30:45
L2577168-02F	91	Unknown	?	1.1800	1	1	1	12.8105	OVR	2025-12-06T04:31:49
L2577168-03F	92	Unknown	?	0.1502	1	1	1	1.6297		2025-12-06T04:32:53
L2577168-04F	93	Unknown	?	0.0138	1	1	1	0.1498		2025-12-06T04:33:58
CCV NO3	94	QC	1	0.0934	1	1	1	1.0131		2025-12-06T04:35:02
CCV NO2	95	QC	?	0.0953	1	1	1	1.0339		2025-12-06T04:36:08
CCB	96	QC	0	-0.0001	1	1	1	-0.0011		2025-12-06T04:36:52
L2577168-05F	97	Unknown	?	0.3078	1	1	1	3.3416		2025-12-06T04:38:25
L2577168-06F	98	Unknown	?	0.0585	1	1	1	0.6345		2025-12-06T04:39:32

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2577168-07F	99	Unknown	?	0.0696	1	1	1	0.7552		2025-12-06T04:40:39
L2577168-08F	100	Unknown	?	0.4127	1	1	1	4.4805		2025-12-06T04:41:45
L2577228-01G	101	Unknown	?	-0.0002	1	1	1	-0.0029		2025-12-06T04:42:51
WG2150317-5	102	Unknown	?	0.0014	1	1	1	0.0144		2025-12-06T04:43:59
WG2150317-6	103	Unknown	?	0.3787	1	1	1	4.1107		2025-12-06T04:45:04
L2577228-02G	104	Unknown	?	0.0002	1	1	1	0.0014		2025-12-06T04:46:09
L2577228-03G	105	Unknown	?	0.0747	1	1	1	0.8107		2025-12-06T04:47:16
L2577228-04G	106	Unknown	?	0.0028	1	1	1	0.0295		2025-12-06T04:48:20
CCV NO3	107	QC	1	0.0942	1	1	1	1.0225		2025-12-06T04:49:25
CCV NO2	108	QC	?	0.0952	1	1	1	1.0332		2025-12-06T04:50:30
CCB	109	QC	0	0.0000	1	1	1	-0.0008		2025-12-06T04:51:16
L2577228-05G	110	Unknown	?	0.0071	1	1	1	0.0762		2025-12-06T04:52:48
L2577228-06G	111	Unknown	?	0.0035	1	1	1	0.0373		2025-12-06T04:53:55
L2577228-07G	112	Unknown	?	0.0033	1	1	1	0.0350		2025-12-06T04:55:00
L2577228-08G	113	Unknown	?	0.0272	1	1	1	0.2945		2025-12-06T04:56:04
L2577228-09G	114	Unknown	?	0.0077	1	1	1	0.0827		2025-12-06T04:57:09
L2577228-10G	115	Unknown	?	0.0083	1	1	1	0.0891		2025-12-06T04:58:13
L2577228-11G	116	Unknown	?	0.0018	1	1	1	0.0187		2025-12-06T04:59:19
L2577229-01H	117	Unknown	?	0.0031	1	1	1	0.0330		2025-12-06T05:00:26
L2577425-01A	118	Unknown	?	0.0225	1	1	1	0.2442		2025-12-06T05:01:33
WG2150318-3	119	Unknown	?	0.0208	1	1	1	0.2255		2025-12-06T05:02:39
CCV NO3	120	QC	1	0.0938	1	1	1	1.0176		2025-12-06T05:03:44
CCV NO2	121	QC	?	0.0960	1	1	1	1.0416		2025-12-06T05:04:49
CCB	122	QC	0	0.0000	1	1	1	-0.0010		2025-12-06T05:05:37
WG2150318-4	123	Unknown	?	0.4130	1	1	1	4.4830		2025-12-06T05:07:09
WG2150315-3	124	Unknown	?	0.0167	1	1	1	0.1805		2025-12-06T05:08:17
WG2150315-4	125	Unknown	?	0.4705	1	1	1	5.1076		2025-12-06T05:09:23
L2577425-02A	126	Unknown	?	0.0007	1	1	1	0.0068		2025-12-06T05:10:28
L2577425-03A	127	Unknown	?	0.0174	1	1	1	0.1885		2025-12-06T05:11:34
L2577425-04A	128	Unknown	?	0.0184	1	1	1	0.1989		2025-12-06T05:12:38
L2577425-05C	129	Unknown	?	0.3397	1	1	1	3.6875		2025-12-06T05:13:44
L2577425-06C	130	Unknown	?	0.1339	1	1	1	1.4527		2025-12-06T05:14:48
L2577425-07C	131	Unknown	?	0.1890	1	1	1	2.0516		2025-12-06T05:15:54

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2577554-01H	132	Unknown	?	0.0009	1	1	1	0.0088		2025-12-06T05:16:58
CCV NO3	133	QC	1	0.0942	1	1	1	1.0217		2025-12-06T05:18:02
CCV NO2	134	QC	?	0.0959	1	1	1	1.0409		2025-12-06T05:19:08
CCB	135	QC	0	0.0000	1	1	1	-0.0008		2025-12-06T05:19:56
L2577554-02H	136	Unknown	?	0.0034	1	1	1	0.0366		2025-12-06T05:21:28
L2577016-01A	137	Unknown	?	1.3340	1	1	1	14.4827	OVR	2025-12-06T05:22:41
L2577213-03H	138	Unknown	?	-0.0018	1	1	1	-0.0198		2025-12-06T05:23:17
L2577213-04H	139	Unknown	?	0.0026	1	1	1	0.0274		2025-12-06T05:24:48
L2577213-14H	140	Unknown	?	0.0029	1	1	1	0.0309		2025-12-06T05:25:55
L2577213-16I	141	Unknown	?	0.0075	1	1	1	0.0812		2025-12-06T05:27:02
WG2150319-3	142	Unknown	?	0.0040	1	1	1	0.0430		2025-12-06T05:28:07
WG2150319-4	143	Unknown	?	0.3967	1	1	1	4.3059		2025-12-06T05:29:13
L2577213-17I	144	Unknown	?	0.0014	1	1	1	0.0150		2025-12-06T05:30:18
L2577528-02C	145	Unknown	?	0.1568	1	1	1	1.7023		2025-12-06T05:31:24
CCV NO3	146	QC	1	0.0916	1	1	1	0.9934		2025-12-06T05:32:29
CCV NO2	147	QC	?	0.0956	1	1	1	1.0372		2025-12-06T05:33:34
CCB	148	QC	0	0.0000	1	1	1	-0.0008		2025-12-06T05:34:22
L2577552-01E	149	Unknown	?	0.0922	1	1	1	1.0001		2025-12-06T05:35:54
L2577552-02J	150	Unknown	?	0.0068	1	1	1	0.0737		2025-12-06T05:37:01
WG2150335-3	151	Unknown	?	0.0049	1	1	1	0.0530		2025-12-06T05:38:07
WG2150335-4	152	Unknown	?	0.4740	1	1	1	5.1454		2025-12-06T05:39:12
L2577552-03J	153	Unknown	?	0.0060	1	1	1	0.0644		2025-12-06T05:40:17
L2577552-04J	154	Unknown	?	0.0386	1	1	1	0.4183		2025-12-06T05:41:22
L2577552-05J	155	Unknown	?	0.0037	1	1	1	0.0398		2025-12-06T05:42:28
L2577552-06J	156	Unknown	?	0.0220	1	1	1	0.2388		2025-12-06T05:43:36
L2577552-07J	157	Unknown	?	0.0123	1	1	1	0.1334		2025-12-06T05:44:42
L2577552-08J	158	Unknown	?	0.0391	1	1	1	0.4244		2025-12-06T05:45:49
CCV NO3	159	QC	1	0.0935	1	1	1	1.0150		2025-12-06T05:46:54
CCV NO2	160	QC	?	0.0961	1	1	1	1.0429		2025-12-06T05:47:59
CCB	161	QC	0	0.0000	1	1	1	-0.0008		2025-12-06T05:48:47
L2577522-01G	162	Unknown	?	0.0526	1	1	1	0.5707		2025-12-06T05:50:20
WG2150338-1	163	Unknown	?	0.0000	1	1	1	-0.0007		2025-12-06T05:51:01
WG2150338-2	164	Unknown	?	0.4703	1	1	1	5.1050		2025-12-06T05:52:33

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2577335-43L	165	Unknown	?	0.0047	1	1	1	0.0504		2025-12-06T05:53:45
WG2150338-3	166	Unknown	?	0.0082	1	1	1	0.0881		2025-12-06T05:54:53
WG2150338-4	167	Unknown	?	0.2244	1	1	1	2.4362		2025-12-06T05:55:51
L2577335-44O	168	Unknown	?	0.0067	1	1	1	0.0719		2025-12-06T05:57:01
L2577335-45O	169	Unknown	?	0.1127	1	1	1	1.2234		2025-12-06T05:58:02
L2577335-46O	170	Unknown	?	0.0082	1	1	1	0.0890		2025-12-06T05:59:20
L2577335-47O	171	Unknown	?	0.0088	1	1	1	0.0955		2025-12-06T06:00:15
CCV NO3	172	QC	1	0.0890	1	1	1	0.9661		2025-12-06T06:01:17
CCV NO2	173	QC	?	0.0930	1	1	1	1.0091		2025-12-06T06:02:23
CCB	174	QC	0	0.0000	1	1	1	-0.0009		2025-12-06T06:03:11
L2577335-48L	175	Unknown	?	0.0148	1	1	1	0.1606		2025-12-06T06:04:45
L2577335-49O	176	Unknown	?	0.0094	1	1	1	0.1010		2025-12-06T06:05:59
L2577335-51L	177	Unknown	?	0.0089	1	1	1	0.0962		2025-12-06T06:07:06
L2577335-52O	178	Unknown	?	0.0095	1	1	1	0.1028		2025-12-06T06:08:09
L2577335-53O	179	Unknown	?	0.0054	1	1	1	0.0577		2025-12-06T06:09:12
L2577335-54O	180	Unknown	?	0.0040	1	1	1	0.0425		2025-12-06T06:10:18
L2576667-01B	181	Unknown	?	0.0169	1	1	1	0.1832		2025-12-06T06:11:24
WG2150320-3	182	Unknown	?	0.0136	1	1	1	0.1471		2025-12-06T06:12:30
WG2150320-4	183	Unknown	?	0.3648	1	1	1	3.9596		2025-12-06T06:13:35
L2576667-02B	184	Unknown	?	0.0082	1	1	1	0.0885		2025-12-06T06:14:41
CCV NO3	185	QC	1	0.0920	1	1	1	0.9981		2025-12-06T06:15:46
CCV NO2	186	QC	?	0.0935	1	1	1	1.0146		2025-12-06T06:16:51
CCB	187	QC	0	0.0000	1	1	1	-0.0006		2025-12-06T06:17:39
L2575658-02A	188	Unknown	?	1.3321	1	1	1	14.4617	OVR	2025-12-06T06:19:12
L2575658-04A	189	Unknown	?	0.2404	1	1	1	2.6090		2025-12-06T06:20:20
L2575658-07A	190	Unknown	?	0.8810	1	1	1	9.5644	OVR	2025-12-06T06:21:25
L2577335-43L	191	Unknown	?	0.0017	1	1	1	0.0177		2025-12-06T06:22:31
WG2150338-3	192	Unknown	?	0.0120	1	1	1	0.1296		2025-12-06T06:23:36
WG2150338-4	193	Unknown	?	0.3027	1	1	1	3.2856		2025-12-06T06:24:42
L2577545-01A	194	Unknown	?	0.1444	1	1	1	1.5668		2025-12-06T06:25:48
L2577168-03F	195	Unknown	?	0.1639	1	1	1	1.7790		2025-12-06T06:26:54
L2577213-03H	196	Unknown	?	0.0011	1	1	1	0.0118		2025-12-06T06:27:59
L2575658-04A	197	Unknown	?	0.2580	1	1	1	2.8006		2025-12-06T06:29:06

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
CCV NO3	198	QC	1	0.0871	1	1	1	0.9456		2025-12-06T06:30:10
CCV NO2	199	QC	?	0.0940	1	1	1	1.0202		2025-12-06T06:31:16
CCB	200	QC	0	0.0000	1	1	1	-0.0007		2025-12-06T06:32:04
L2576040-01C	201	Unknown	?	0.3460	1	1	1	3.7558		2025-12-06T06:33:36
L2576040-02C	202	Unknown	?	0.1992	1	1	1	2.1623		2025-12-06T06:34:44
L2576040-03C	203	Unknown	?	0.0053	1	1	1	0.0570		2025-12-06T06:35:50
L2576040-04C	204	Unknown	?	0.0155	1	1	1	0.1682		2025-12-06T06:36:56
L2576786-01B	205	Unknown	?	0.0497	1	1	1	0.5386		2025-12-06T06:38:03
L2577335-43L	206	Unknown	?	0.0126	1	1	1	0.1360		2025-12-06T06:39:09
CCV NO3	207	QC	1	0.0896	1	1	1	0.9726		2025-12-06T06:40:14
CCV NO2	208	QC	?	0.0927	1	1	1	1.0057		2025-12-06T06:41:19
CCB	209	QC	0	0.0000	1	1	1	-0.0009		2025-12-06T06:42:04
spacer	210	Unknown	?	0.0000	1	1	1	-0.0003		2025-12-06T06:57:34
spacer	211	Unknown	?	0.0004	1	1	1	0.0043		2025-12-06T06:58:20
L2577544-01E	212	Unknown	?	0.2424	1	5	1	13.1543		2025-12-06T06:59:28
L2577168-02F	213	Unknown	?	0.2890	1	5	1	15.6869		2025-12-06T07:00:37
L2577016-01A	214	Unknown	?	0.5415	1	5	1	29.3914		2025-12-06T07:01:45
L2575658-02A	215	Unknown	?	0.4347	1	5	1	23.5930		2025-12-06T07:02:54
L2575658-07A	216	Unknown	?	0.1958	1	5	1	10.6238		2025-12-06T07:04:02
CCV NO3	217	QC	1	0.0888	1	1	1	0.9633		2025-12-06T07:05:09
CCV NO2	218	QC	?	0.0941	1	1	1	1.0214		2025-12-06T07:06:14
CCB	219	QC	0	0.0000	1	1	1	-0.0009		2025-12-06T07:06:56

Channel: 2-NO2

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	-0.0097		2025-12-06T02:51:05
NOx 8.0ppm	2	Standard	?	0.0001	1	1	1	-0.0090		2025-12-06T02:52:48
NOx 4.0ppm	3	Standard	?	0.0001	1	1	1	-0.0094		2025-12-06T02:53:37
NOx 1.0ppm	4	Standard	?	0.0001	1	1	1	-0.0092		2025-12-06T02:54:41
NOx 0.4ppm	5	Standard	?	0.0002	1	1	1	-0.0088		2025-12-06T02:55:58
NOx 0.2ppm	6	Standard	?	0.0001	1	1	1	-0.0094		2025-12-06T02:56:59
NOx 0.1ppm	7	Standard	?	0.0001	1	1	1	-0.0094		2025-12-06T02:58:13
NOx 0.0ppm	8	Standard	?	0.0001	1	1	1	-0.0091		2025-12-06T02:59:39
Nitrite 8.0ppm	9	Standard	8	0.8061	1	1	1	7.3990		2025-12-

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
										06T03:00:27
Nitrite 4.0ppm	10	Standard	4	0.4289	1	1	1	3.9320		2025-12-06T03:01:36
Nitrite 1.0ppm	11	Standard	1	0.1117	1	1	1	1.0169		2025-12-06T03:02:43
Nitrite 0.4ppm	12	Standard	0.4	0.0481	1	1	1	0.4319		2025-12-06T03:03:52
Nitrite 0.1ppm	13	Standard	0.1	0.0130	1	1	1	0.1091		2025-12-06T03:05:02
Nitrite 0.05ppm	14	Standard	0.05	0.0063	1	1	1	0.0473		2025-12-06T03:06:13
Nitrite 0.0ppm	15	Standard	0	0.0008	1	1	1	-0.0031		2025-12-06T03:07:32
CCV NO3	16	QC	?	0.0006	1	1	1	-0.0045		2025-12-06T03:08:37
CCV NO2	17	QC	1	0.1076	1	1	1	0.9784		2025-12-06T03:09:33
CCB	18	QC	0	0.0025	1	1	1	0.0129		2025-12-06T03:10:50
ICV NO3 5.0	19	QC	?	0.0014	1	1	1	0.0029		2025-12-06T03:12:02
ICV NO2 5.0	20	QC	5	0.5434	1	1	1	4.9841		2025-12-06T03:13:00
ICV NO3 0.5	21	QC	?	0.0063	1	1	1	0.0478		2025-12-06T03:14:16
ICV NO2 0.5	22	QC	0.5	0.0578	1	1	1	0.5209		2025-12-06T03:15:18
ICB	23	QC	0	0.0018	1	1	1	0.0063		2025-12-06T03:16:33
Diluter CHK 8PPM	24	Unknown	?	0.0009	1	5	1	-0.0089		2025-12-06T03:17:45
BLANK NO3	25	Unknown	?	0.0003	1	1	1	-0.0075		2025-12-06T03:18:51
LCS NO3	26	Unknown	?	0.0003	1	1	1	-0.0075		2025-12-06T03:19:59
BLANK NO2	27	Unknown	?	0.0001	1	1	1	-0.0091		2025-12-06T03:21:05
LCS NO2	28	Unknown	?	0.5391	1	1	1	4.9445		2025-12-06T03:22:01
CCV NO3	29	QC	?	0.0068	1	1	1	0.0527		2025-12-06T03:23:13
CCV NO2	30	QC	1	0.1060	1	1	1	0.9642		2025-12-06T03:24:13
CCB	31	QC	0	0.0029	1	1	1	0.0168		2025-12-06T03:25:32
WG2150314-1	32	Unknown	?	0.0010	1	1	1	-0.0010		2025-12-06T03:26:39
WG2150314-2	33	Unknown	?	0.5412	1	1	1	4.9639		2025-12-06T03:27:39
WG2150315-1	34	Unknown	?	0.0062	1	1	1	0.0471		2025-12-06T03:28:50
WG2150315-2	35	Unknown	?	0.5482	1	1	1	5.0279		2025-12-06T03:29:49
WG2150316-1	36	Unknown	?	0.0066	1	1	1	0.0506		2025-12-06T03:31:01
WG2150316-2	37	Unknown	?	0.0027	1	1	1	0.0150		2025-12-06T03:32:12
WG2150317-1	38	Unknown	?	0.0007	1	1	1	-0.0040		2025-12-06T03:33:16
WG2150317-2	39	Unknown	?	0.0006	1	1	1	-0.0042		2025-12-06T03:34:25
WG2150318/20-1	40	Unknown	?	0.0001	1	1	1	-0.0089		2025-12-06T03:35:26
WG2150318/20-2	41	Unknown	?	0.0002	1	1	1	-0.0086		2025-12-06T03:36:33

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
CCV NO3	42	QC	?	0.0002	1	1	1	-0.0085		2025-12-06T03:37:35
CCV NO2	43	QC	1	0.1058	1	1	1	0.9620		2025-12-06T03:38:38
CCB	44	QC	0	0.0024	1	1	1	0.0115		2025-12-06T03:39:56
WG2150316-1	45	Unknown	?	0.0006	1	1	1	-0.0047		2025-12-06T03:41:02
WG2150319-1	46	Unknown	?	0.0001	1	1	1	-0.0091		2025-12-06T03:42:08
WG2150319-2	47	Unknown	?	0.0001	1	1	1	-0.0091		2025-12-06T03:43:19
WG2150321-1	48	Unknown	?	0.0001	1	1	1	-0.0096		2025-12-06T03:44:18
WG2150321-2	49	Unknown	?	0.0001	1	1	1	-0.0095		2025-12-06T03:45:32
L2577227-01M	50	Unknown	?	0.0010	1	1	1	-0.0013		2025-12-06T03:46:24
L2577227-02M	51	Unknown	?	0.0031	1	1	1	0.0181		2025-12-06T03:47:29
L2577243-01N	52	Unknown	?	0.0007	1	1	1	-0.0034		2025-12-06T03:48:33
WG2150316-3	53	Unknown	?	0.0007	1	1	1	-0.0036		2025-12-06T03:49:38
WG2150316-4	54	Unknown	?	0.0025	1	1	1	0.0130		2025-12-06T03:50:42
CCV NO3	55	QC	?	0.0001	1	1	1	-0.0089		2025-12-06T03:51:49
CCV NO2	56	QC	1	0.1074	1	1	1	0.9767		2025-12-06T03:52:52
CCB	57	QC	0	0.0001	1	1	1	-0.0093		2025-12-06T03:54:05
WG2150314-3	58	Unknown	?	0.0005	1	1	1	-0.0054		2025-12-06T03:55:11
WG2150314-4	59	Unknown	?	0.4611	1	1	1	4.2282		2025-12-06T03:56:19
L2577243-02N	60	Unknown	?	0.0026	1	1	1	0.0134		2025-12-06T03:57:25
L2577243-03N	61	Unknown	?	0.0007	1	1	1	-0.0036		2025-12-06T03:58:32
L2577243-04N	62	Unknown	?	0.0009	1	1	1	-0.0016		2025-12-06T03:59:38
L2577243-05N	63	Unknown	?	0.0006	1	1	1	-0.0043		2025-12-06T04:00:46
L2577439-01A	64	Unknown	?	0.0362	1	1	1	0.3230		2025-12-06T04:01:51
WG2150316-5	65	Unknown	?	0.0359	1	1	1	0.3202		2025-12-06T04:02:57
WG2150316-6	66	Unknown	?	0.0354	1	1	1	0.3152		2025-12-06T04:04:02
WG2150314-5	67	Unknown	?	0.0362	1	1	1	0.3227		2025-12-06T04:05:07
CCV NO3	68	QC	?	0.0001	1	1	1	-0.0090		2025-12-06T04:06:13
CCV NO2	69	QC	1	0.1074	1	1	1	0.9768		2025-12-06T04:07:18
CCB	70	QC	0	0.0001	1	1	1	-0.0091		2025-12-06T04:08:29
WG2150314-6	71	Unknown	?	0.5751	1	1	1	5.2755		2025-12-06T04:09:36
L2577535-01E	72	Unknown	?	0.0001	1	1	1	-0.0091		2025-12-06T04:10:42
L2577538-01E	73	Unknown	?	0.0005	1	1	1	-0.0057		2025-12-06T04:11:46
L2577539-01E	74	Unknown	?	0.0007	1	1	1	-0.0039		2025-12-06T04:12:51

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2577543-01E	75	Unknown	?	0.0006	1	1	1	-0.0044		2025-12-06T04:13:56
L2577544-01E	76	Unknown	?	0.0009	1	1	1	-0.0019		2025-12-06T04:15:01
L2577545-01A	77	Unknown	?	0.0290	1	1	1	0.2563		2025-12-06T04:16:07
L2577632-01D	78	Unknown	?	0.0029	1	1	1	0.0169		2025-12-06T04:17:14
L2577632-02D	79	Unknown	?	0.0050	1	1	1	0.0362		2025-12-06T04:18:20
L2577632-03D	80	Unknown	?	0.0022	1	1	1	0.0098		2025-12-06T04:19:27
CCV NO3	81	QC	?	0.0001	1	1	1	-0.0090		2025-12-06T04:20:34
CCV NO2	82	QC	1	0.1074	1	1	1	0.9773		2025-12-06T04:21:38
CCB	83	QC	0	0.0001	1	1	1	-0.0090		2025-12-06T04:22:50
L2577632-04D	84	Unknown	?	0.0038	1	1	1	0.0247		2025-12-06T04:23:58
L2577373-01E	85	Unknown	?	0.0001	1	1	1	-0.0094		2025-12-06T04:24:53
L2577373-02D	86	Unknown	?	0.0002	1	1	1	-0.0087		2025-12-06T04:26:14
L2577373-03D	87	Unknown	?	0.0001	1	1	1	-0.0088		2025-12-06T04:27:16
L2577168-01F	88	Unknown	?	0.0031	1	1	1	0.0188		2025-12-06T04:28:20
WG2150317-3	89	Unknown	?	0.0031	1	1	1	0.0185		2025-12-06T04:29:26
WG2150317-4	90	Unknown	?	0.0055	1	1	1	0.0406		2025-12-06T04:30:30
L2577168-02F	91	Unknown	?	0.0009	1	1	1	-0.0018		2025-12-06T04:31:35
L2577168-03F	92	Unknown	?	0.0002	1	1	1	-0.0087		2025-12-06T04:32:40
L2577168-04F	93	Unknown	?	0.0003	1	1	1	-0.0075		2025-12-06T04:33:42
CCV NO3	94	QC	?	0.0001	1	1	1	-0.0090		2025-12-06T04:34:50
CCV NO2	95	QC	1	0.1082	1	1	1	0.9845		2025-12-06T04:35:54
CCB	96	QC	0	0.0001	1	1	1	-0.0090		2025-12-06T04:37:06
L2577168-05F	97	Unknown	?	0.0002	1	1	1	-0.0084		2025-12-06T04:38:12
L2577168-06F	98	Unknown	?	0.0006	1	1	1	-0.0049		2025-12-06T04:39:20
L2577168-07F	99	Unknown	?	0.0005	1	1	1	-0.0057		2025-12-06T04:40:26
L2577168-08F	100	Unknown	?	0.0002	1	1	1	-0.0080		2025-12-06T04:41:34
L2577228-01G	101	Unknown	?	0.0002	1	1	1	-0.0083		2025-12-06T04:42:38
WG2150317-5	102	Unknown	?	0.0001	1	1	1	-0.0094		2025-12-06T04:43:46
WG2150317-6	103	Unknown	?	0.0001	1	1	1	-0.0090		2025-12-06T04:44:52
L2577228-02G	104	Unknown	?	0.0002	1	1	1	-0.0080		2025-12-06T04:45:56
L2577228-03G	105	Unknown	?	0.0007	1	1	1	-0.0041		2025-12-06T04:47:00
L2577228-04G	106	Unknown	?	0.0002	1	1	1	-0.0083		2025-12-06T04:48:07
CCV NO3	107	QC	?	0.0001	1	1	1	-0.0090		2025-12-06T04:49:11

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
CCV NO2	108	QC	1	0.1069	1	1	1	0.9722		2025-12-06T04:50:18
CCB	109	QC	0	0.0001	1	1	1	-0.0093		2025-12-06T04:51:30
L2577228-05G	110	Unknown	?	0.0002	1	1	1	-0.0086		2025-12-06T04:52:34
L2577228-06G	111	Unknown	?	0.0002	1	1	1	-0.0085		2025-12-06T04:53:44
L2577228-07G	112	Unknown	?	0.0001	1	1	1	-0.0088		2025-12-06T04:54:43
L2577228-08G	113	Unknown	?	0.0018	1	1	1	0.0062		2025-12-06T04:55:50
L2577228-09G	114	Unknown	?	0.0000	1	1	1	-0.0097		2025-12-06T04:57:00
L2577228-10G	115	Unknown	?	0.0003	1	1	1	-0.0073		2025-12-06T04:57:59
L2577228-11G	116	Unknown	?	0.0001	1	1	1	-0.0091		2025-12-06T04:59:06
L2577229-01H	117	Unknown	?	0.0002	1	1	1	-0.0079		2025-12-06T05:00:12
L2577425-01A	118	Unknown	?	0.0002	1	1	1	-0.0087		2025-12-06T05:01:22
WG2150318-3	119	Unknown	?	0.0001	1	1	1	-0.0093		2025-12-06T05:02:28
CCV NO3	120	QC	?	0.0002	1	1	1	-0.0084		2025-12-06T05:03:29
CCV NO2	121	QC	1	0.1081	1	1	1	0.9838		2025-12-06T05:04:37
CCB	122	QC	0	0.0002	1	1	1	-0.0086		2025-12-06T05:05:48
WG2150318-4	123	Unknown	?	0.0006	1	1	1	-0.0045		2025-12-06T05:06:56
WG2150315-3	124	Unknown	?	0.0001	1	1	1	-0.0097		2025-12-06T05:08:11
WG2150315-4	125	Unknown	?	0.5033	1	1	1	4.6152		2025-12-06T05:09:10
L2577425-02A	126	Unknown	?	0.0024	1	1	1	0.0122		2025-12-06T05:10:17
L2577425-03A	127	Unknown	?	0.0003	1	1	1	-0.0079		2025-12-06T05:11:22
L2577425-04A	128	Unknown	?	0.0003	1	1	1	-0.0079		2025-12-06T05:12:25
L2577425-05C	129	Unknown	?	0.0004	1	1	1	-0.0064		2025-12-06T05:13:31
L2577425-06C	130	Unknown	?	0.0013	1	1	1	0.0021		2025-12-06T05:14:36
L2577425-07C	131	Unknown	?	0.0016	1	1	1	0.0046		2025-12-06T05:15:40
L2577554-01H	132	Unknown	?	0.0003	1	1	1	-0.0074		2025-12-06T05:16:43
CCV NO3	133	QC	?	0.0001	1	1	1	-0.0090		2025-12-06T05:17:49
CCV NO2	134	QC	1	0.1071	1	1	1	0.9738		2025-12-06T05:18:55
CCB	135	QC	0	0.0001	1	1	1	-0.0091		2025-12-06T05:20:07
L2577554-02H	136	Unknown	?	0.0003	1	1	1	-0.0074		2025-12-06T05:21:15
L2577016-01A	137	Unknown	?	0.0003	1	1	1	-0.0076		2025-12-06T05:22:24
L2577213-03H	138	Unknown	?	0.0002	1	1	1	-0.0085		2025-12-06T05:23:29
L2577213-04H	139	Unknown	?	0.0003	1	1	1	-0.0078		2025-12-06T05:24:35
L2577213-14H	140	Unknown	?	0.0002	1	1	1	-0.0080		2025-12-06T05:25:43

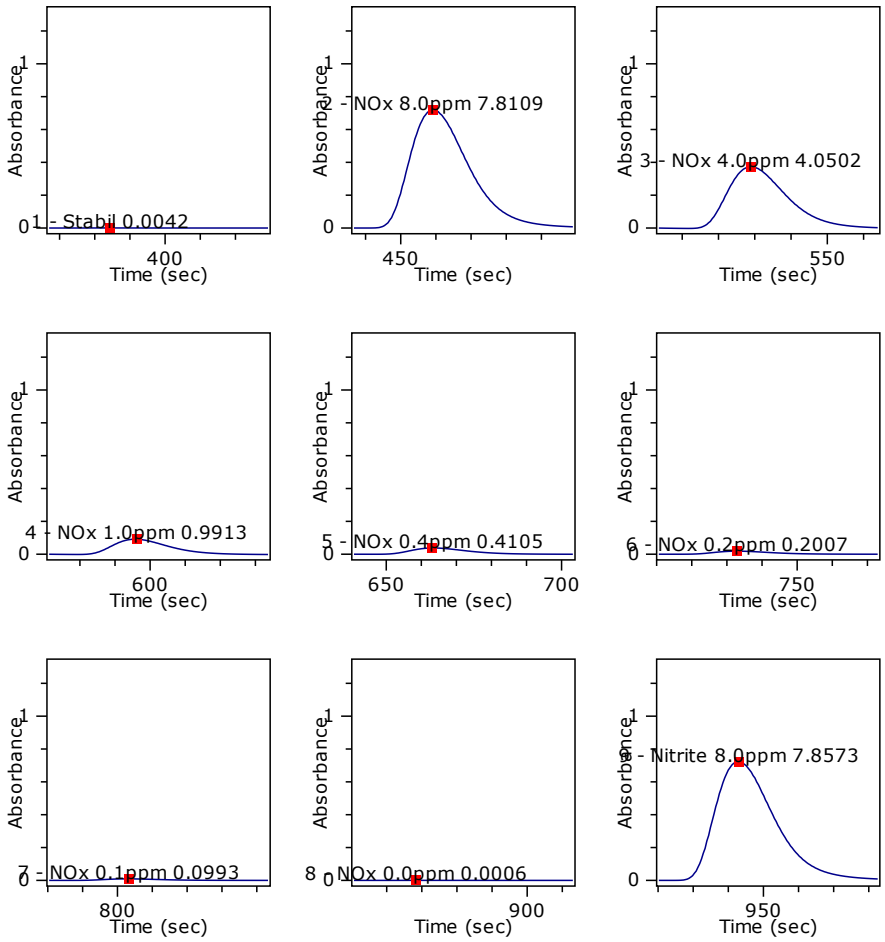
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2577213-16I	141	Unknown	?	0.0002	1	1	1	-0.0086		2025-12-06T05:26:47
WG2150319-3	142	Unknown	?	0.0002	1	1	1	-0.0085		2025-12-06T05:27:51
WG2150319-4	143	Unknown	?	0.0006	1	1	1	-0.0050		2025-12-06T05:28:58
L2577213-17I	144	Unknown	?	0.0002	1	1	1	-0.0080		2025-12-06T05:30:05
L2577528-02C	145	Unknown	?	0.0068	1	1	1	0.0522		2025-12-06T05:31:11
CCV NO3	146	QC	?	0.0001	1	1	1	-0.0092		2025-12-06T05:32:18
CCV NO2	147	QC	1	0.1056	1	1	1	0.9606		2025-12-06T05:33:21
CCB	148	QC	0	0.0001	1	1	1	-0.0090		2025-12-06T05:34:34
L2577552-01E	149	Unknown	?	0.0791	1	1	1	0.7167		2025-12-06T05:35:41
L2577552-02J	150	Unknown	?	0.0003	1	1	1	-0.0071		2025-12-06T05:36:48
WG2150335-3	151	Unknown	?	0.0002	1	1	1	-0.0080		2025-12-06T05:37:54
WG2150335-4	152	Unknown	?	0.5155	1	1	1	4.7276		2025-12-06T05:38:59
L2577552-03J	153	Unknown	?	0.0003	1	1	1	-0.0074		2025-12-06T05:40:02
L2577552-04J	154	Unknown	?	0.0215	1	1	1	0.1874		2025-12-06T05:41:10
L2577552-05J	155	Unknown	?	0.0003	1	1	1	-0.0073		2025-12-06T05:42:15
L2577552-06J	156	Unknown	?	0.0004	1	1	1	-0.0067		2025-12-06T05:43:23
L2577552-07J	157	Unknown	?	0.0016	1	1	1	0.0046		2025-12-06T05:44:30
L2577552-08J	158	Unknown	?	0.0030	1	1	1	0.0170		2025-12-06T05:45:36
CCV NO3	159	QC	?	0.0001	1	1	1	-0.0090		2025-12-06T05:46:44
CCV NO2	160	QC	1	0.1061	1	1	1	0.9648		2025-12-06T05:47:47
CCB	161	QC	0	0.0001	1	1	1	-0.0092		2025-12-06T05:48:55
L2577522-01G	162	Unknown	?	0.0014	1	1	1	0.0026		2025-12-06T05:50:07
WG2150338-1	163	Unknown	?	0.0000	1	1	1	-0.0098		2025-12-06T05:51:23
WG2150338-2	164	Unknown	?	0.0001	1	1	1	-0.0096		2025-12-06T05:52:25
L2577335-43L	165	Unknown	?	0.0047	1	1	1	0.0326		2025-12-06T05:53:26
WG2150338-3	166	Unknown	?	0.0046	1	1	1	0.0323		2025-12-06T05:54:32
WG2150338-4	167	Unknown	?	0.0046	1	1	1	0.0319		2025-12-06T05:55:37
L2577335-44O	168	Unknown	?	0.0040	1	1	1	0.0265		2025-12-06T05:56:43
L2577335-45O	169	Unknown	?	0.0002	1	1	1	-0.0088		2025-12-06T05:57:54
L2577335-46O	170	Unknown	?	0.0078	1	1	1	0.0611		2025-12-06T05:58:55
L2577335-47O	171	Unknown	?	0.0017	1	1	1	0.0054		2025-12-06T05:59:59
CCV NO3	172	QC	?	0.0002	1	1	1	-0.0087		2025-12-06T06:01:07
CCV NO2	173	QC	1	0.1026	1	1	1	0.9330		2025-12-06T06:02:10

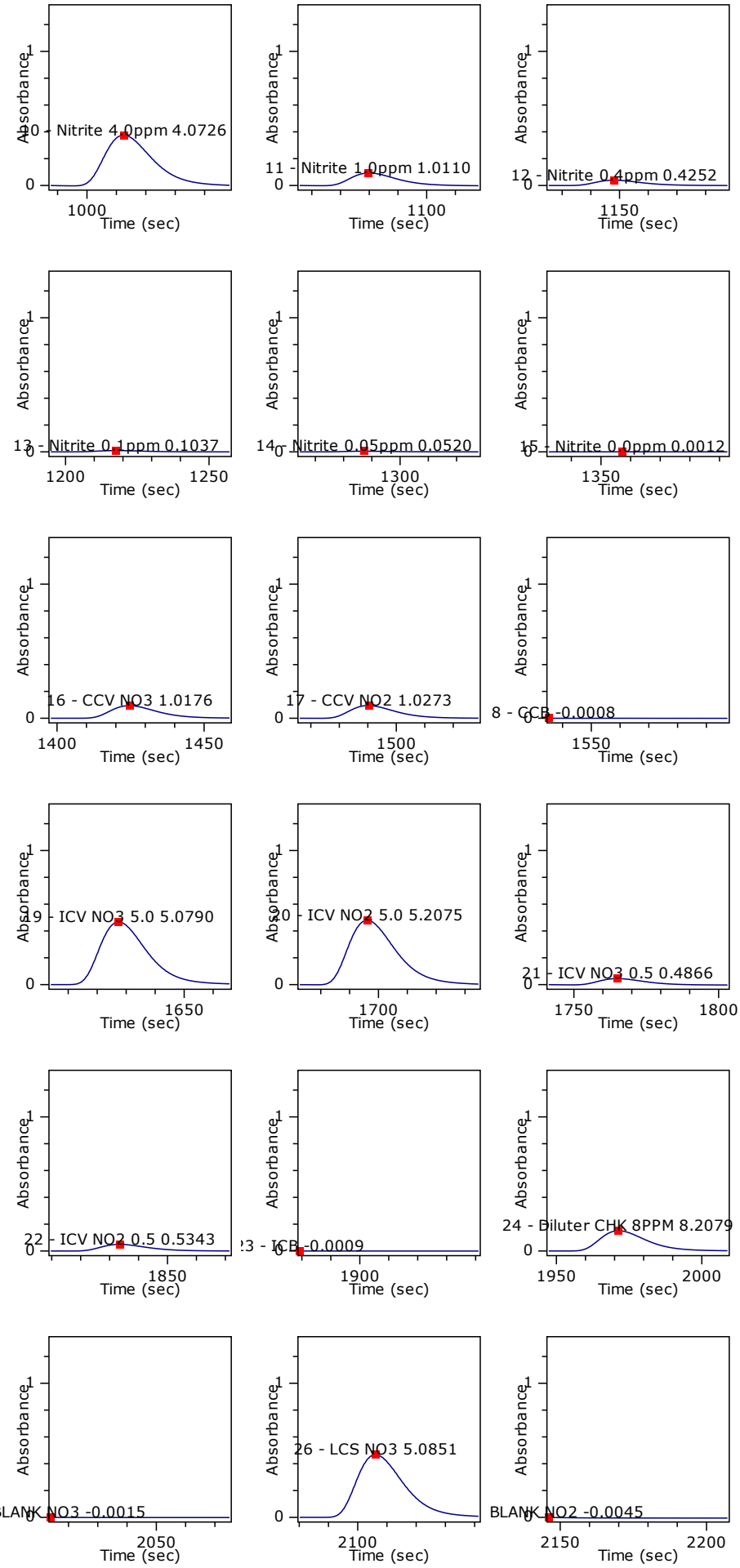
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
CCB	174	QC	0	0.0002	1	1	1	-0.0086		2025-12-06T06:03:23
L2577335-48L	175	Unknown	?	0.0026	1	1	1	0.0133		2025-12-06T06:04:30
L2577335-49O	176	Unknown	?	0.0047	1	1	1	0.0332		2025-12-06T06:05:39
L2577335-51L	177	Unknown	?	0.0047	1	1	1	0.0335		2025-12-06T06:06:46
L2577335-52O	178	Unknown	?	0.0027	1	1	1	0.0150		2025-12-06T06:07:52
L2577335-53O	179	Unknown	?	0.0003	1	1	1	-0.0072		2025-12-06T06:08:58
L2577335-54O	180	Unknown	?	0.0003	1	1	1	-0.0076		2025-12-06T06:10:07
L2576667-01B	181	Unknown	?	0.0012	1	1	1	0.0011		2025-12-06T06:11:10
WG2150320-3	182	Unknown	?	0.0011	1	1	1	-0.0005		2025-12-06T06:12:17
WG2150320-4	183	Unknown	?	0.0011	1	1	1	-0.0003		2025-12-06T06:13:23
L2576667-02B	184	Unknown	?	0.0009	1	1	1	-0.0016		2025-12-06T06:14:28
CCV NO3	185	QC	?	0.0002	1	1	1	-0.0085		2025-12-06T06:15:35
CCV NO2	186	QC	1	0.1045	1	1	1	0.9506		2025-12-06T06:16:39
CCB	187	QC	0	0.0002	1	1	1	-0.0084		2025-12-06T06:17:48
L2575658-02A	188	Unknown	?	0.4422	1	1	1	4.0542		2025-12-06T06:18:59
L2575658-04A	189	Unknown	?	0.0795	1	1	1	0.7204		2025-12-06T06:20:06
L2575658-07A	190	Unknown	?	0.1635	1	1	1	1.4929		2025-12-06T06:21:12
L2577335-43L	191	Unknown	?	0.0006	1	1	1	-0.0049		2025-12-06T06:22:18
WG2150338-3	192	Unknown	?	0.0006	1	1	1	-0.0046		2025-12-06T06:23:23
WG2150338-4	193	Unknown	?	0.0012	1	1	1	0.0006		2025-12-06T06:24:28
L2577545-01A	194	Unknown	?	0.0280	1	1	1	0.2471		2025-12-06T06:25:35
L2577168-03F	195	Unknown	?	0.0002	1	1	1	-0.0086		2025-12-06T06:26:40
L2577213-03H	196	Unknown	?	0.0002	1	1	1	-0.0081		2025-12-06T06:27:50
L2575658-04A	197	Unknown	?	0.0783	1	1	1	0.7090		2025-12-06T06:28:52
CCV NO3	198	QC	?	0.0001	1	1	1	-0.0092		2025-12-06T06:29:58
CCV NO2	199	QC	1	0.1049	1	1	1	0.9536		2025-12-06T06:31:03
CCB	200	QC	0	0.0001	1	1	1	-0.0091		2025-12-06T06:32:13
L2576040-01C	201	Unknown	?	0.0003	1	1	1	-0.0075		2025-12-06T06:33:25
L2576040-02C	202	Unknown	?	0.0005	1	1	1	-0.0056		2025-12-06T06:34:31
L2576040-03C	203	Unknown	?	0.0004	1	1	1	-0.0064		2025-12-06T06:35:37
L2576040-04C	204	Unknown	?	0.0008	1	1	1	-0.0032		2025-12-06T06:36:45
L2576786-01B	205	Unknown	?	0.0008	1	1	1	-0.0026		2025-12-06T06:37:50
L2577335-43L	206	Unknown	?	0.0007	1	1	1	-0.0037		2025-12-06T06:38:56

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
CCV NO3	207	QC	?	0.0001	1	1	1	-0.0088		2025-12-06T06:40:20
CCV NO2	208	QC	1	0.1009	1	1	1	0.9173		2025-12-06T06:41:06
CCB	209	QC	0	0.0001	1	1	1	-0.0090		2025-12-06T06:42:18
spacer	210	Unknown	?	0.0001	1	1	1	-0.0096		2025-12-06T06:56:56
spacer	211	Unknown	?	0.0003	1	1	1	-0.0077		2025-12-06T06:58:10
L2577544-01E	212	Unknown	?	0.0002	1	5	1	-0.0398		2025-12-06T06:59:17
L2577168-02F	213	Unknown	?	0.0003	1	5	1	-0.0369		2025-12-06T07:00:30
L2577016-01A	214	Unknown	?	0.0002	1	5	1	-0.0401		2025-12-06T07:01:38
L2575658-02A	215	Unknown	?	0.0890	1	5	1	4.0392		2025-12-06T07:02:42
L2575658-07A	216	Unknown	?	0.0326	1	5	1	1.4460		2025-12-06T07:03:51
CCV NO3	217	QC	?	0.0001	1	1	1	-0.0088		2025-12-06T07:05:01
CCV NO2	218	QC	1	0.1052	1	1	1	0.9566		2025-12-06T07:06:01
CCB	219	QC	0	0.0001	1	1	1	-0.0096		2025-12-06T07:07:10

Peaks:

Channel: 1-NOx




Absorbance
Time (sec)
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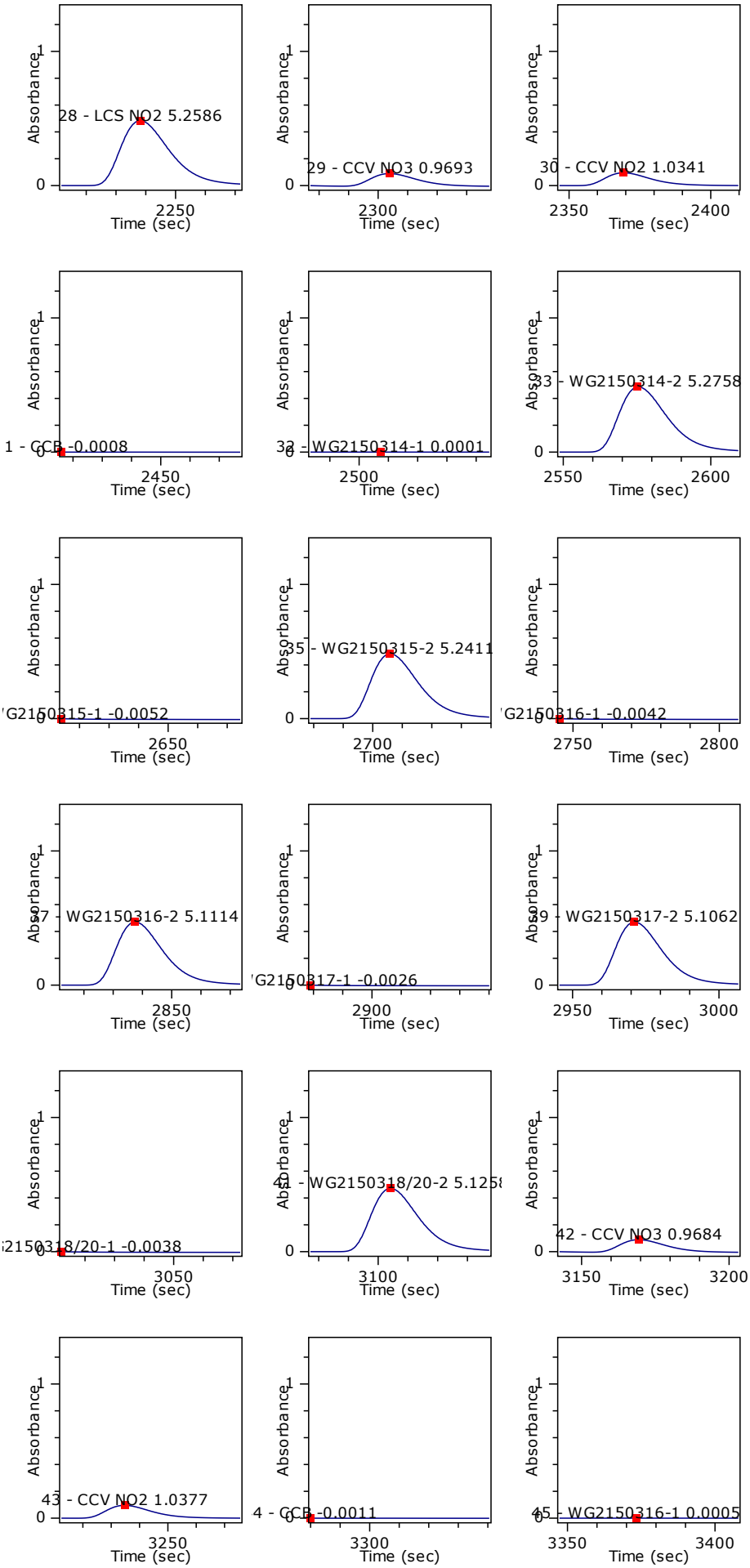
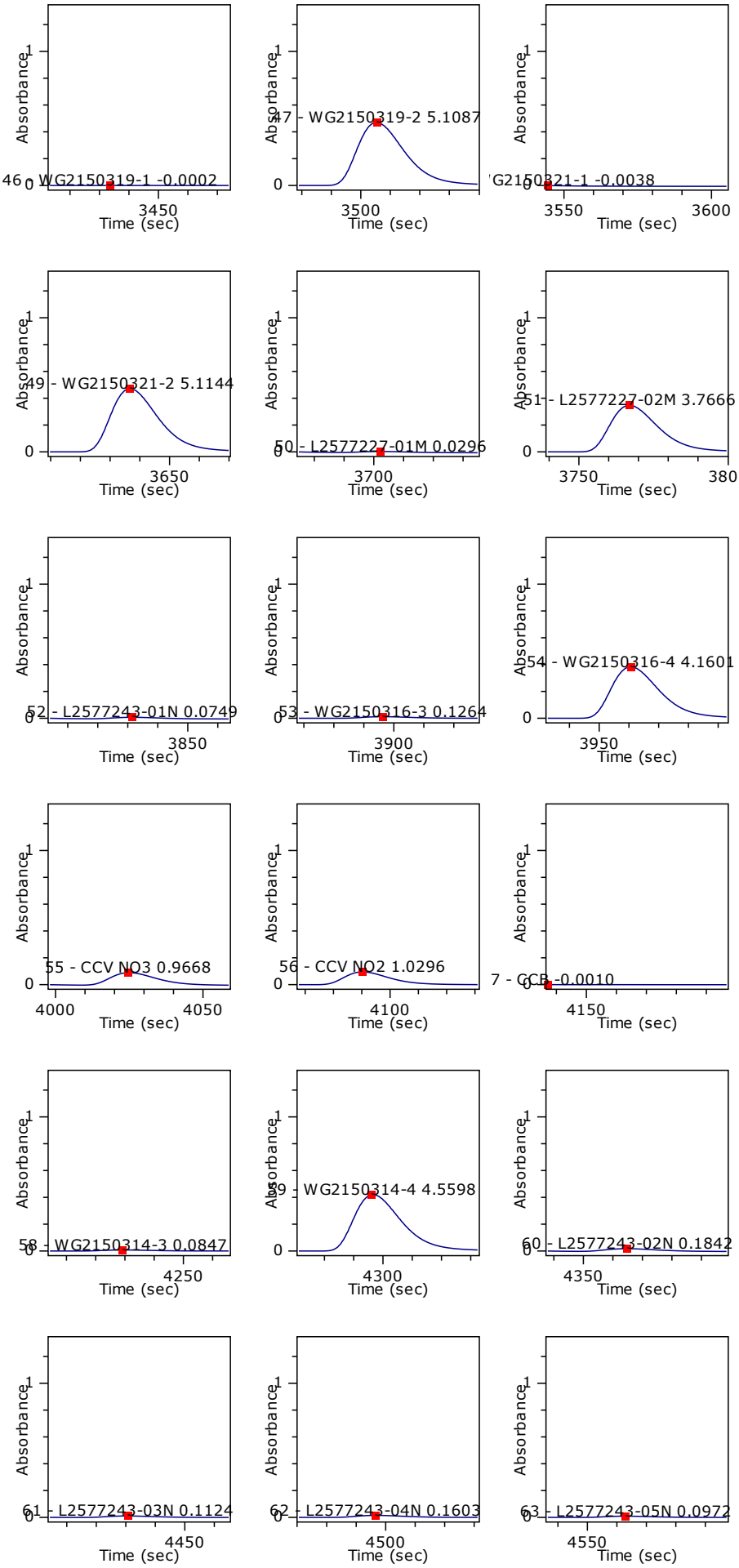
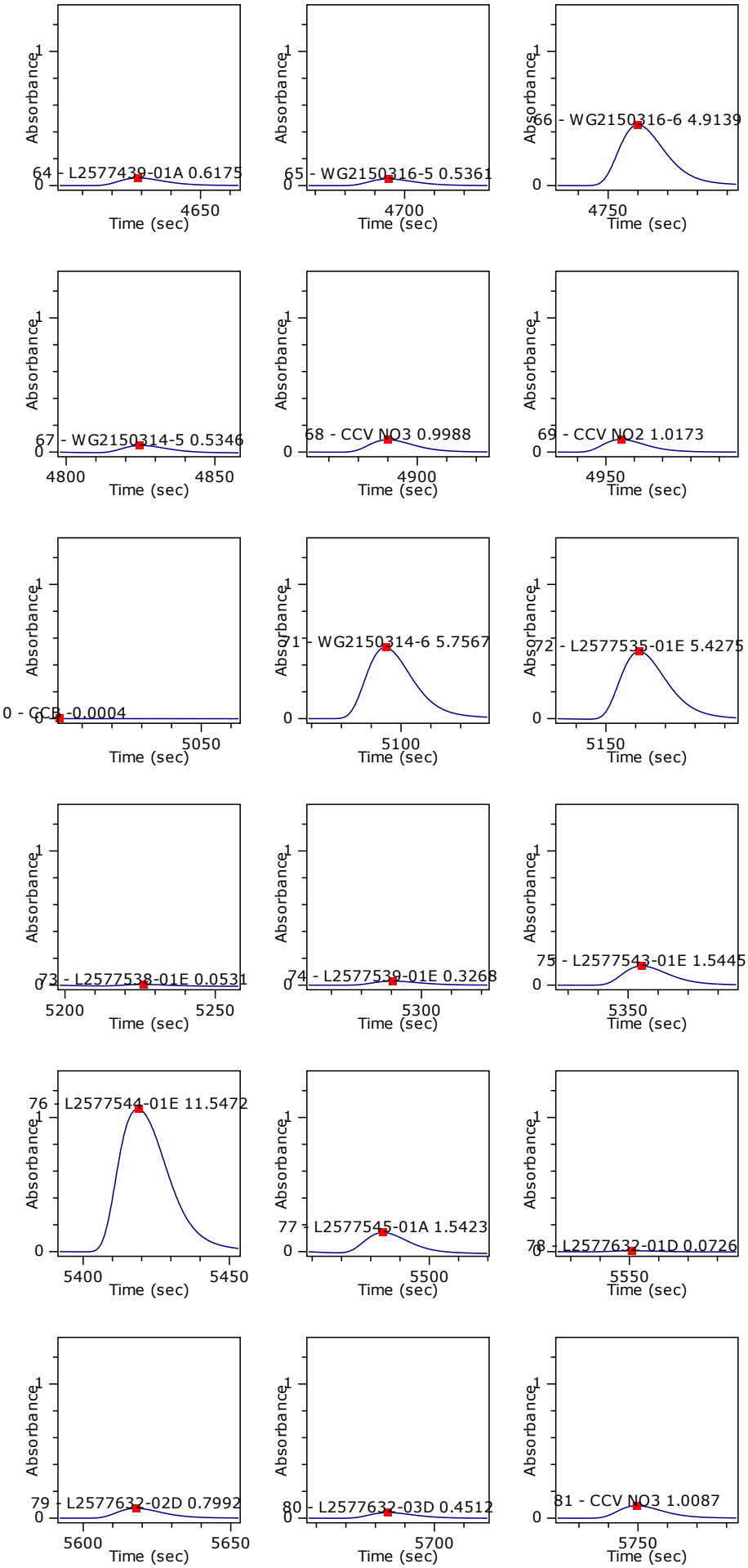
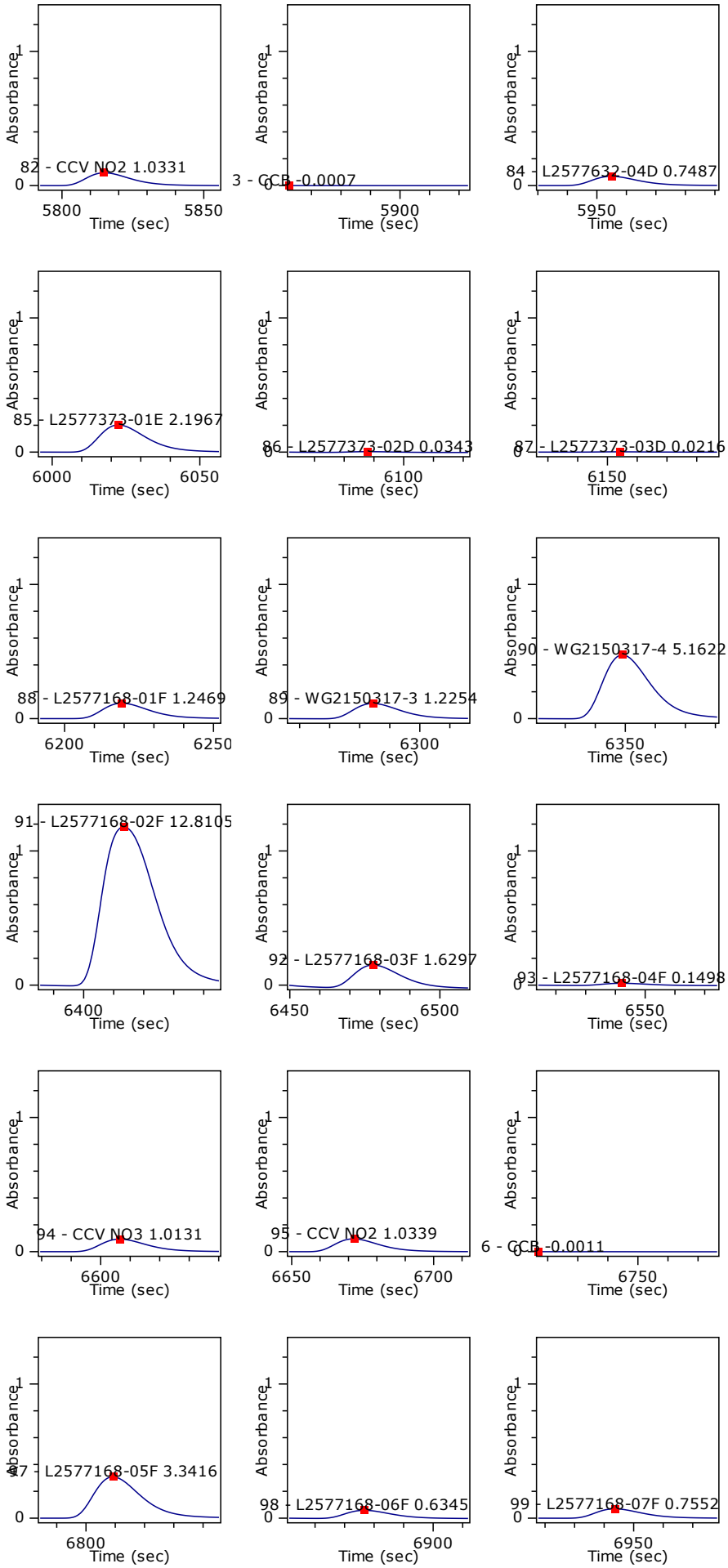
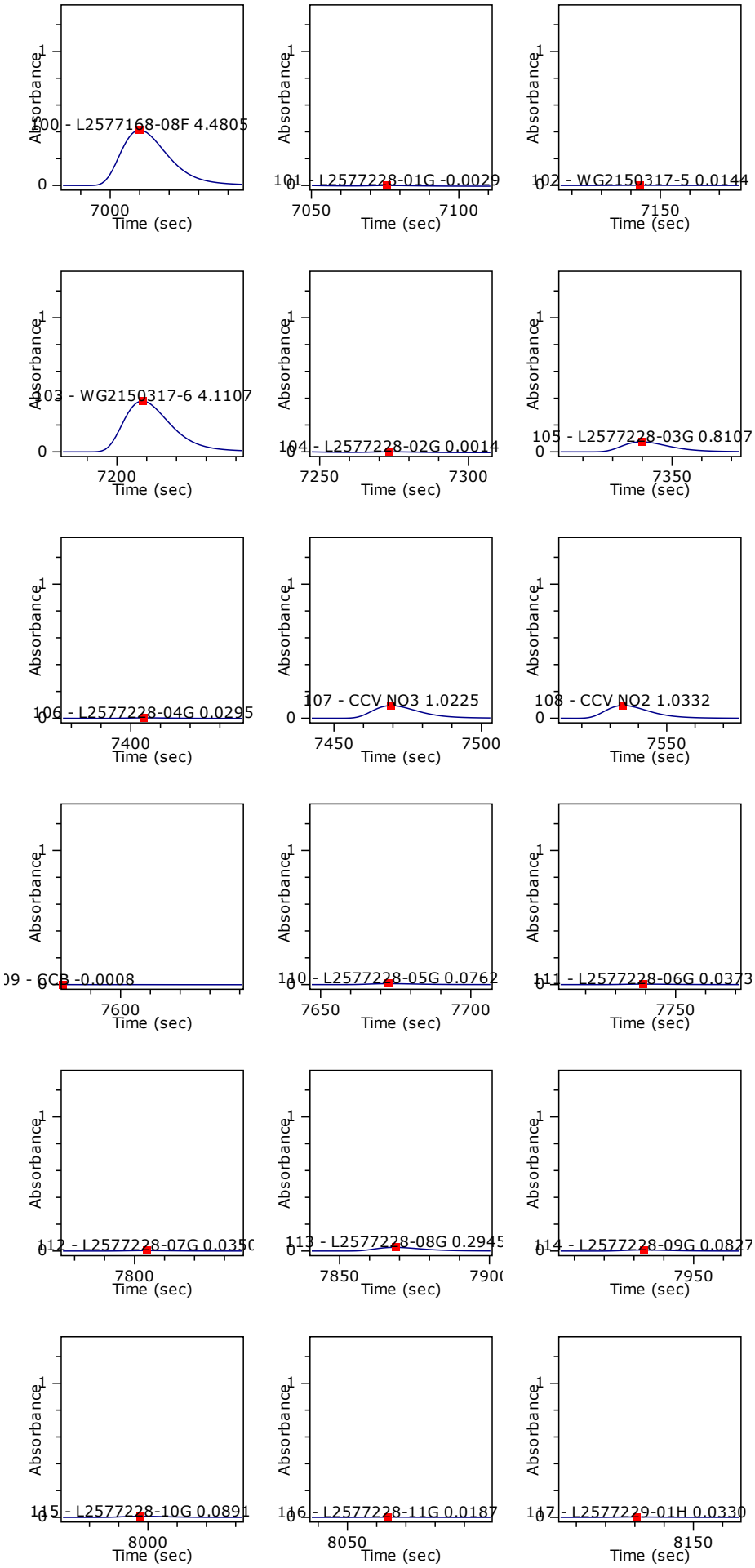
Nitrite 1.0ppm 1.0110
Nitrite 0.4ppm 0.4252
Nitrite 0.1ppm 0.1037
Nitrite 0.05ppm 0.0520
Nitrite 0.0ppm 0.0012
16 - CCV NO3 1.0176
17 - CCV NO2 1.0273
8 - CCB -0.0008
ICV NO3 5.0 5.0790
ICV NO2 5.0 5.2075
21 - ICV NO3 0.5 0.4866
22 - ICV NO2 0.5 0.5343
ICB -0.0009
24 - Biluter CHK 8PPM 8.2079
BLANK NO3 -0.0015
26 - LCS NO3 5.0851
BLANK NO2 -0.0045

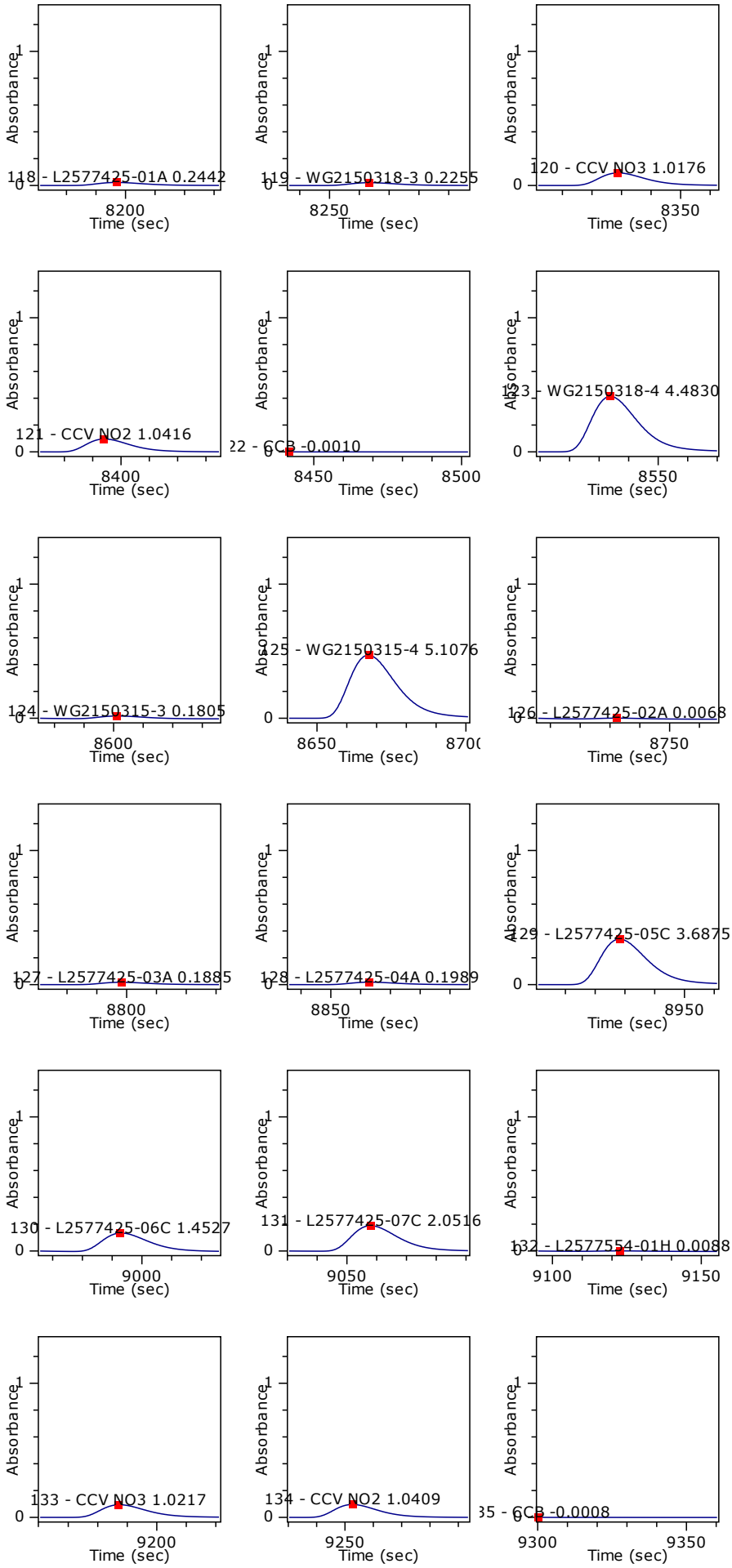

28 - LCS NO2 5.2586
29 - CCV NO3 0.9693
30 - CCV NO2 1.0341
1 - GCB -0.0008
32 - WG2150314-1 0.0001
33 - WG2150314-2 5.2758
'G2150315-1 -0.0052
35 - WG2150315-2 5.2411
'G2150316-1 -0.0042
37 - WG2150316-2 5.1114
'G2150317-1 -0.0026
39 - WG2150317-2 5.1062
2150318/20-1 -0.0038
42 - CCV NO3 0.9684
43 - CCV NO2 1.0377
4 - GCB -0.0011
45 - WG2150316-1 0.0005
Absorbance
Time (sec)

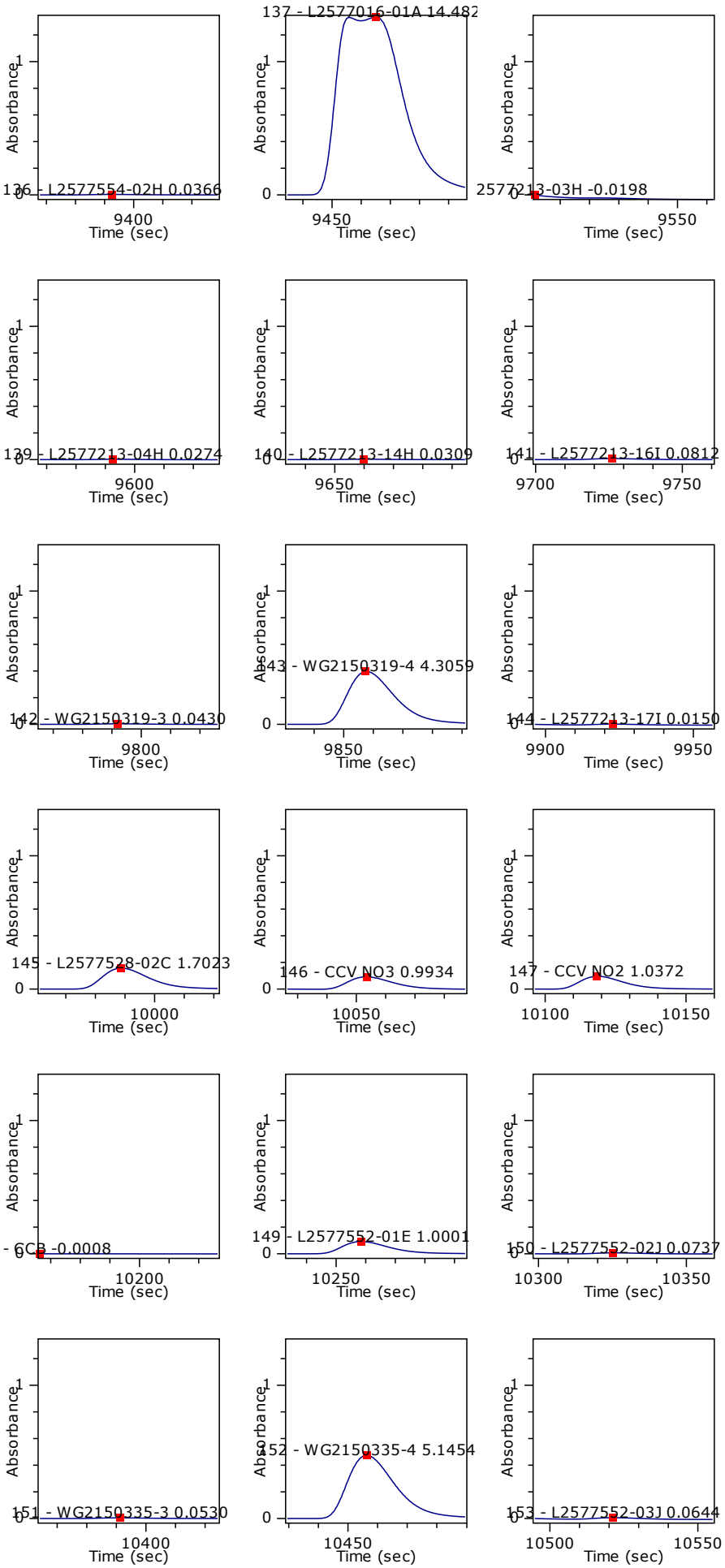

Absorbance
Time (sec)
46 - WG2150319-1 -0.0002
47 - WG2150319-2 5.1087
48 - WG2150321-1 -0.0038
49 - WG2150321-2 5.1144
50 - L2577227-01M 0.0296
51 - L2577227-02M 3.7666
52 - L2577243-01N 0.0749
53 - WG2150316-3 0.1264
54 - WG2150316-4 4.1601
55 - CCV NO3 0.9668
56 - CCV NO2 1.0296
57 - CCB -0.0010
58 - WG2150314-3 0.0847
59 - WG2150314-4 4.5598
60 - L2577243-02N 0.1842
61 - L2577243-03N 0.1124
62 - L2577243-04N 0.1603
63 - L2577243-05N 0.0972

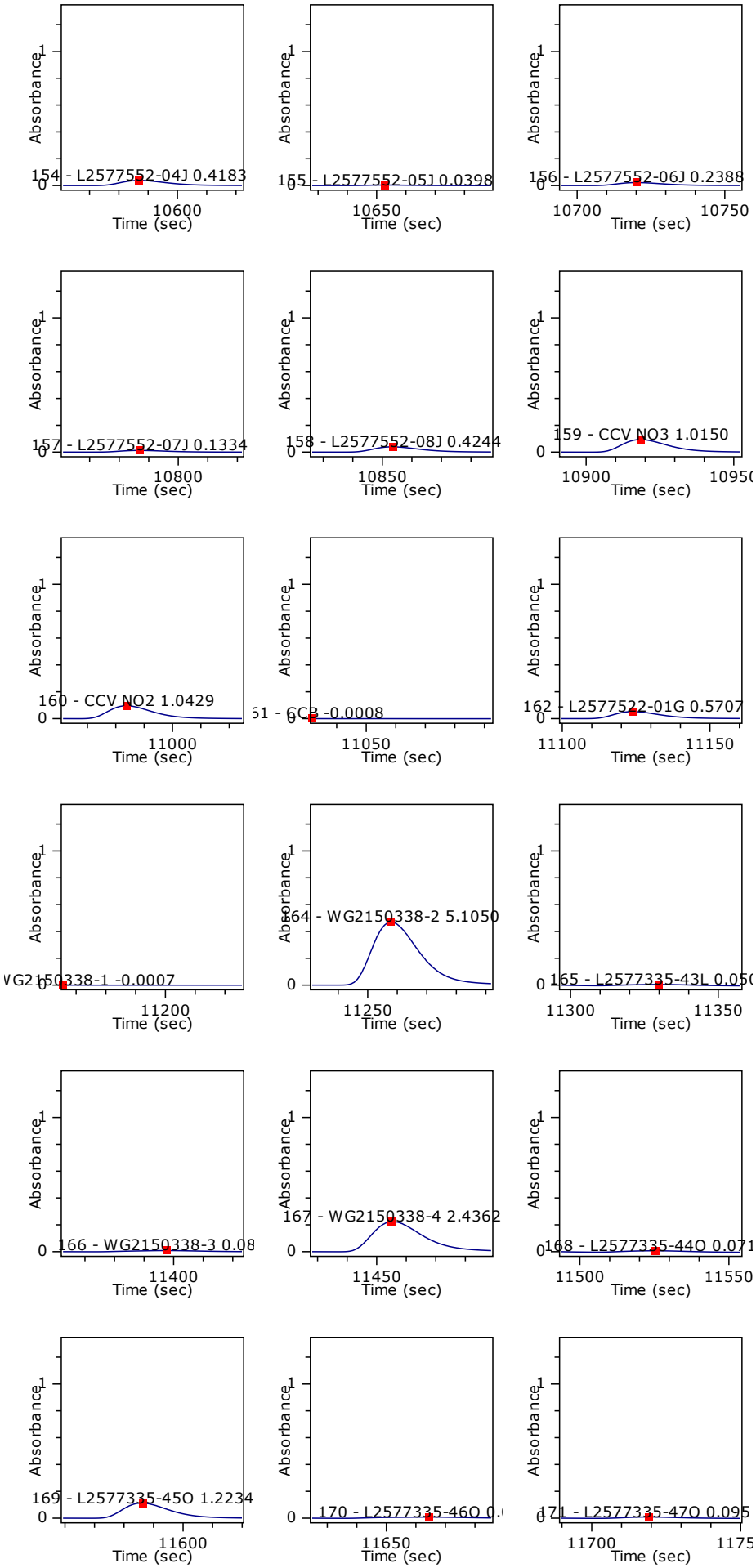

64 - L2577439-01A 0.6175
65 - WG2150316-5 0.5361
66 - WG2150316-6 4.9139
67 - WG2150314-5 0.5346
68 - CCV NO3 0.9988
69 - CCV NO2 1.0173
70 - CCB -0.0004
71 - WG2150314-6 5.7567
72 - L2577535-01E 5.4275
73 - L2577538-01E 0.0531
74 - L2577539-01E 0.3268
75 - L2577543-01E 1.5445
76 - L2577544-01E 11.5472
77 - L2577545-01A 1.5423
78 - L2577632-01D 0.0726
79 - L2577632-02D 0.7992
80 - L2577632-03D 0.4512
81 - CCV NO3 1.0087
Absorbance
Time (sec)

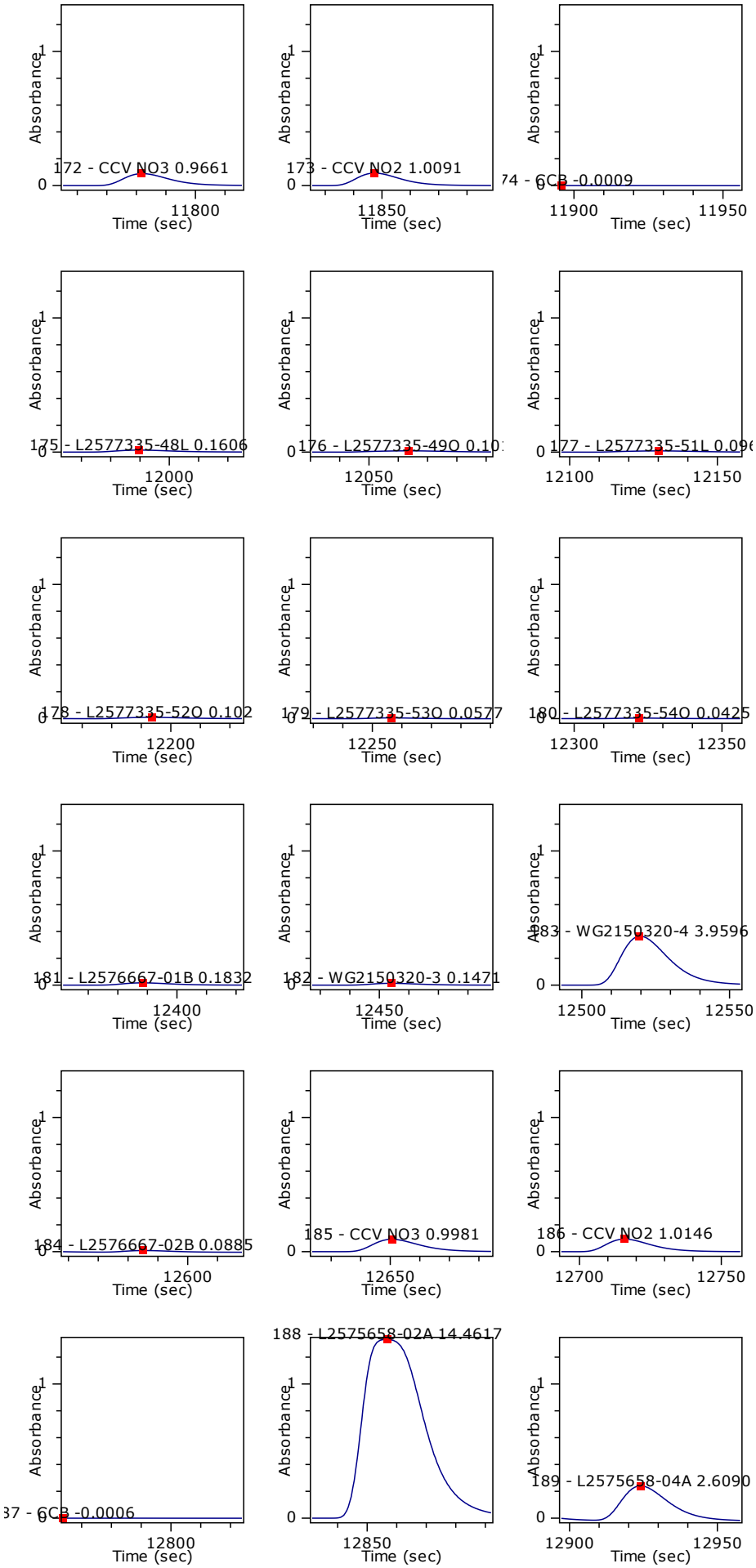

82 - CCV NO2 1.0331
83 - GCB -0.0007
84 - L2577632-04D 0.7487
85 - L2577373-01E 2.1967
86 - L2577373-02D 0.0343
87 - L2577373-03D 0.0216
88 - L2577168-01F 1.2469
89 - WG2150317-3 1.2254
90 - WG2150317-4 5.1622
91 - L2577168-02F 12.8105
92 - L2577168-03F 1.6297
93 - L2577168-04F 0.1498
94 - CCV NO3 1.0131
95 - CCV NO2 1.0339
96 - GCB -0.0011
97 - L2577168-05F 3.3416
98 - L2577168-06F 0.6345
99 - L2577168-07F 0.7552
Absorbance
Time (sec)

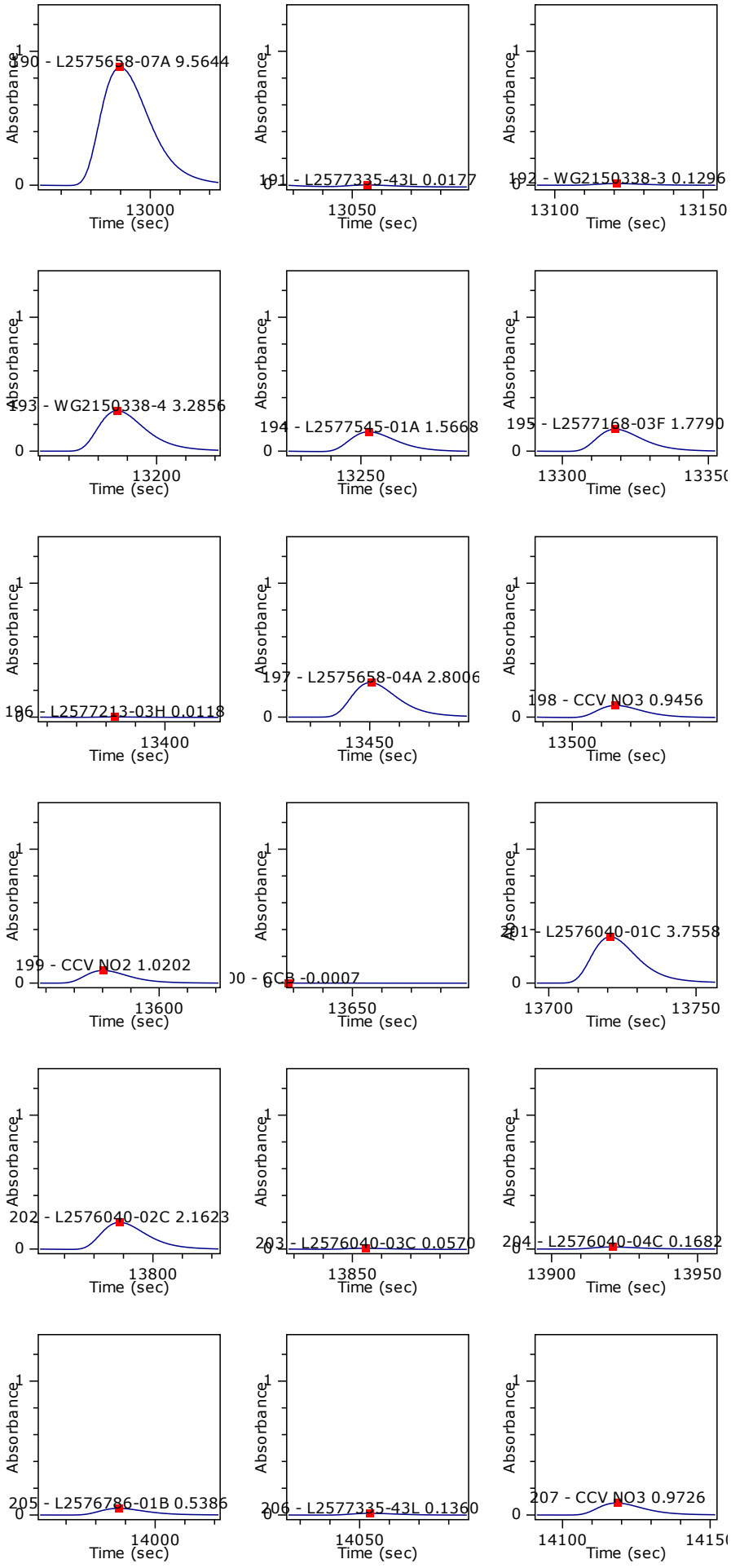

Absorbance
Time (sec)
100 - L2577168-08F 4.4805
101 - L2577228-01G -0.0029
102 - WG2150317-5 0.0144
103 - WG2150317-6 4.1107
104 - L2577228-02G 0.0014
105 - L2577228-03G 0.8107
106 - L2577228-04G 0.0295
107 - CCV NO3 1.0225
108 - CCV NO2 1.0332
109 - CCB -0.0008
110 - L2577228-05G 0.0762
111 - L2577228-06G 0.0373
112 - L2577228-07G 0.0350
113 - L2577228-08G 0.2945
114 - L2577228-09G 0.0827
115 - L2577228-10G 0.0891
116 - L2577228-11G 0.0187
117 - L2577229-01H 0.0330

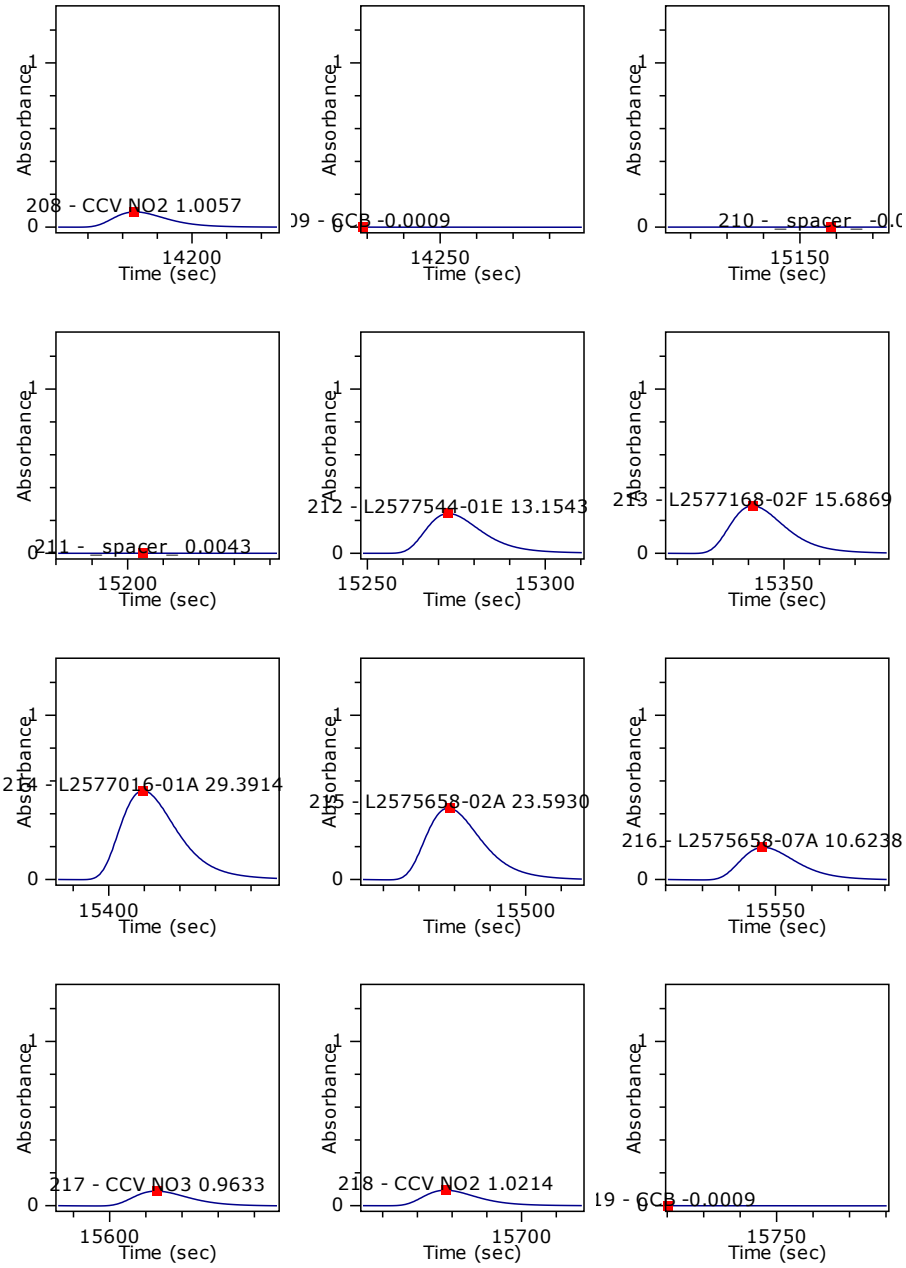

Absorbance
Time (sec)
118 - L2577425-01A 0.2442
119 - WG2150318-3 0.2255
120 - CCV NO3 1.0176
121 - CCV NO2 1.0416
122 - 6CB -0.0010
123 - WG2150318-4 4.4830
124 - WG2150315-3 0.1805
125 - WG2150315-4 5.1076
126 - L2577425-02A 0.0068
127 - L2577425-03A 0.1885
128 - L2577425-04A 0.1989
129 - L2577425-05C 3.6875
130 - L2577425-06C 1.4527
131 - L2577425-07C 2.0516
132 - L2577554-01H 0.0088
133 - CCV NO3 1.0217
134 - CCV NO2 1.0409
135 - 6CB -0.0008


136 - L2577554-02H 0.0366
137 - L2577016-01A 14.482
2577213-03H -0.0198
139 - L2577213-04H 0.0274
140 - L2577213-14H 0.0309
141 - L2577213-16I 0.0812
142 - WG2150319-3 0.0430
143 - WG2150319-4 4.3059
144 - L2577213-17I 0.0150
145 - L2577528-02C 1.7023
146 - CCV NO3 0.9934
147 - CCV NO2 1.0372
148 - 6CB -0.0008
149 - L2577552-01E 1.0001
150 - L2577552-02J 0.0737
151 - WG2150335-3 0.0530
152 - WG2150335-4 5.1454
153 - L2577552-03J 0.0644
Absorbance
Time (sec)

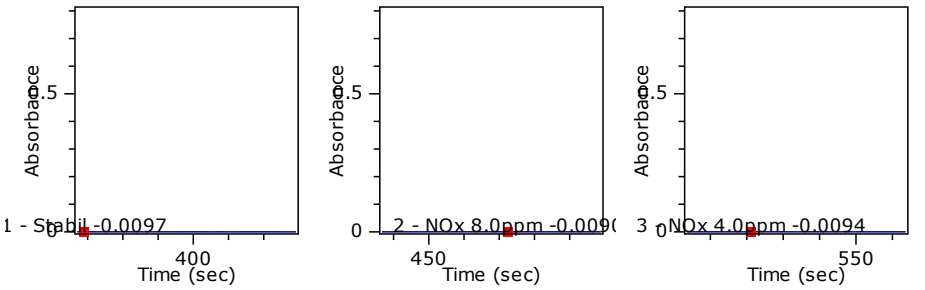

Absorbance
Time (sec)
154 - L2577552-04J 0.4183
155 - L2577552-05J 0.0398
156 - L2577552-06J 0.2388
157 - L2577552-07J 0.1334
158 - L2577552-08J 0.4244
159 - CCV NO3 1.0150
160 - CCV NO2 1.0429
51 - CCB -0.0008
162 - L2577522-01G 0.5707
VG2150338-1 -0.0007
164 - WG2150338-2 5.1050
165 - L2577335-43L 0.05
166 - WG2150338-3 0.08
167 - WG2150338-4 2.4362
168 - L2577335-44O 0.071
169 - L2577335-45O 1.2234
170 - L2577335-46O 0.
171 - L2577335-47O 0.095

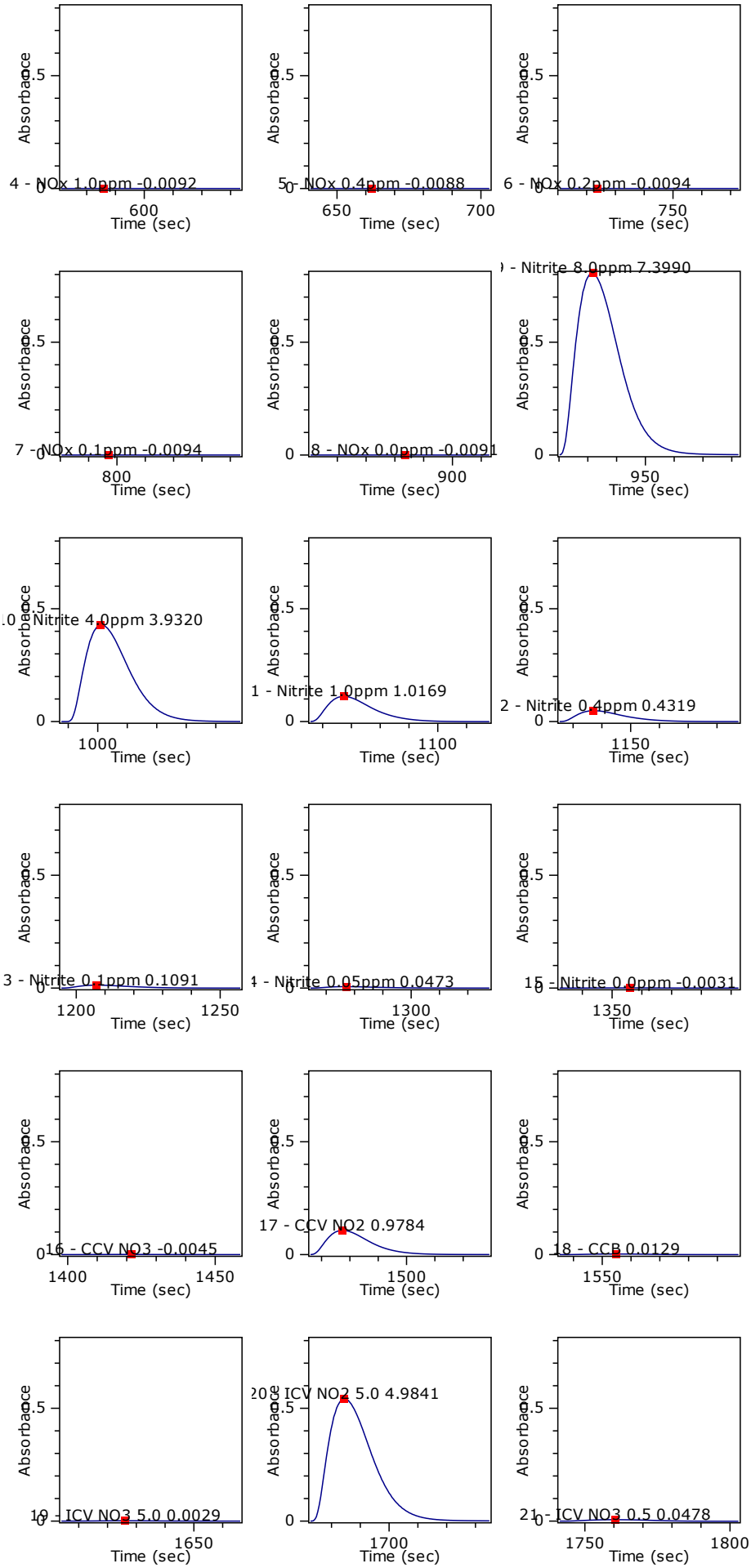

Absorbance
Time (sec)
172 - CCV NO3 0.9661
173 - CCV NO2 1.0091
74 - 6CB -0.0009
175 - L2577335-48L 0.1606
176 - L2577335-49O 0.10
177 - L2577335-51L 0.09
178 - L2577335-52O 0.102
179 - L2577335-53O 0.0577
180 - L2577335-54O 0.0425
181 - L2576667-01B 0.1832
182 - WG2150320-3 0.1471
183 - WG2150320-4 3.9596
184 - L2576667-02B 0.0885
185 - CCV NO3 0.9981
186 - CCV NO2 1.0146
37 - 6CB -0.0006
188 - L2575658-02A 14.4617
189 - L2575658-04A 2.6090


190 - L2575658-07A 9.5644
191 - L2577335-43L 0.0177
192 - WG2150338-3 0.1296
193 - WG2150338-4 3.2856
194 - L2577545-01A 1.5668
195 - L2577168-03F 1.7790
196 - L2577213-03H 0.0118
197 - L2575658-04A 2.8006
198 - CCV NO3 0.9456
199 - CCV NO2 1.0202
200 - CCB -0.0007
201 - L2576040-01C 3.7558
202 - L2576040-02C 2.1623
203 - L2576040-03C 0.0570
204 - L2576040-04C 0.1682
205 - L2576786-01B 0.5386
206 - L2577335-43L 0.1360
207 - CCV NO3 0.9726
Absorbance
Time (sec)



Channel: 2-NO2

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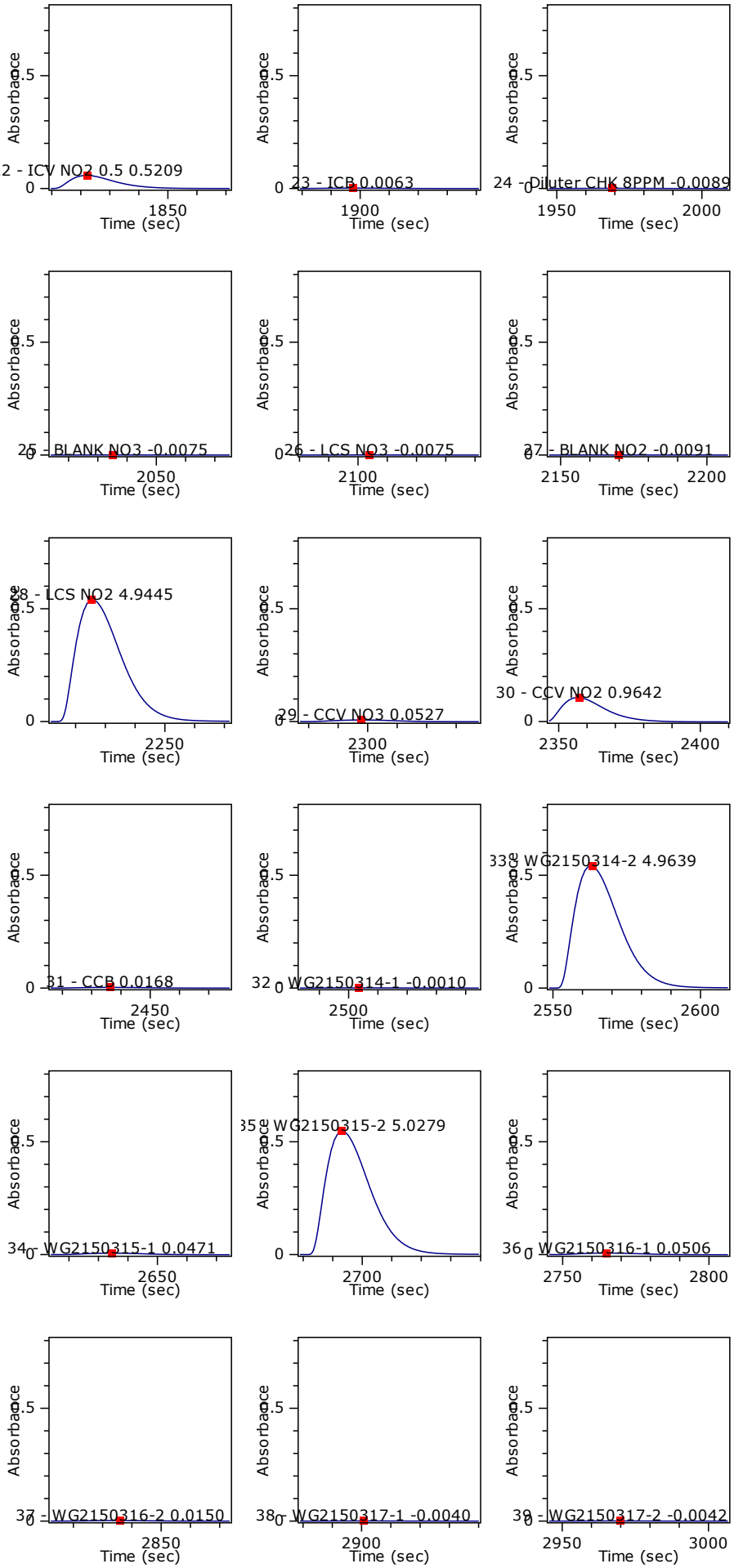
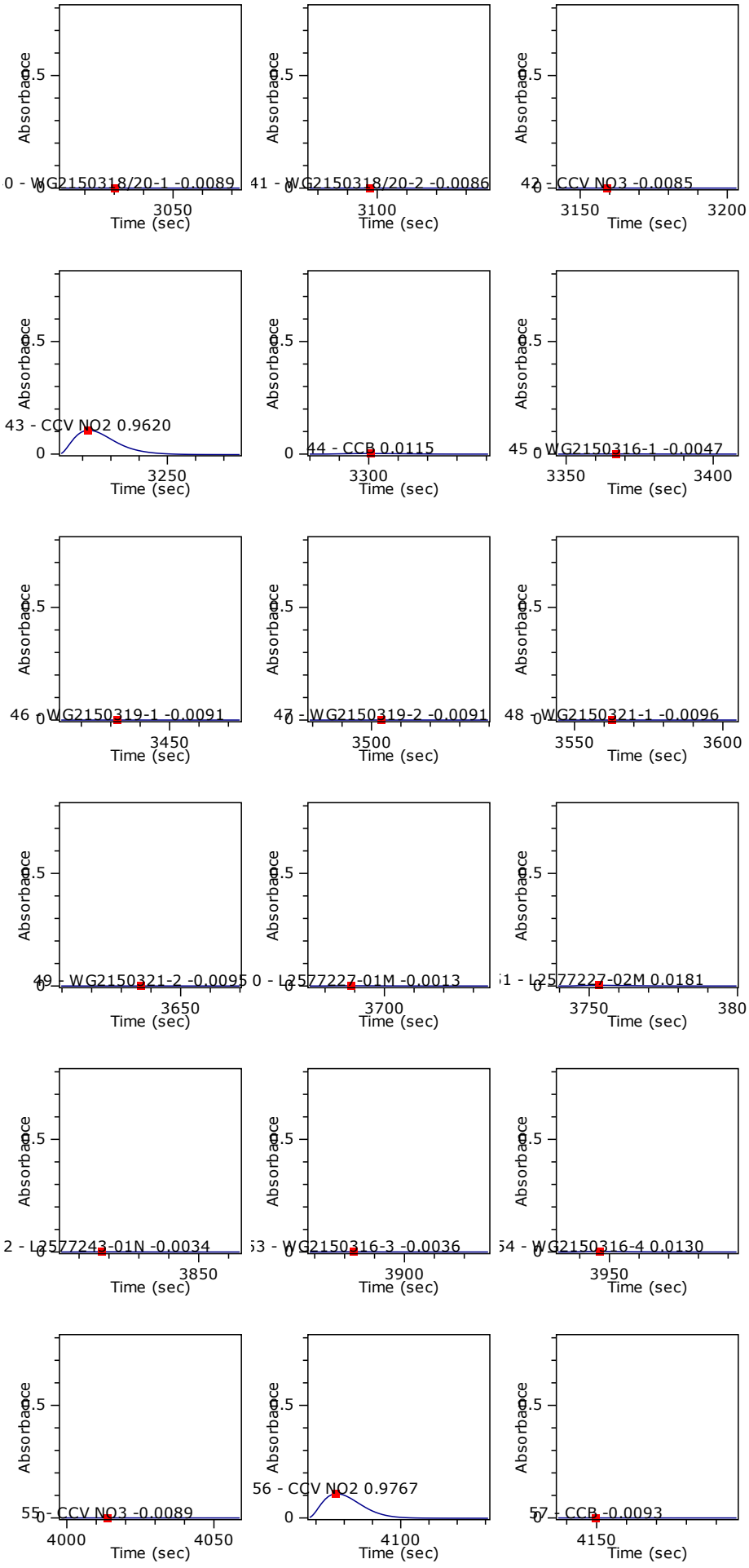
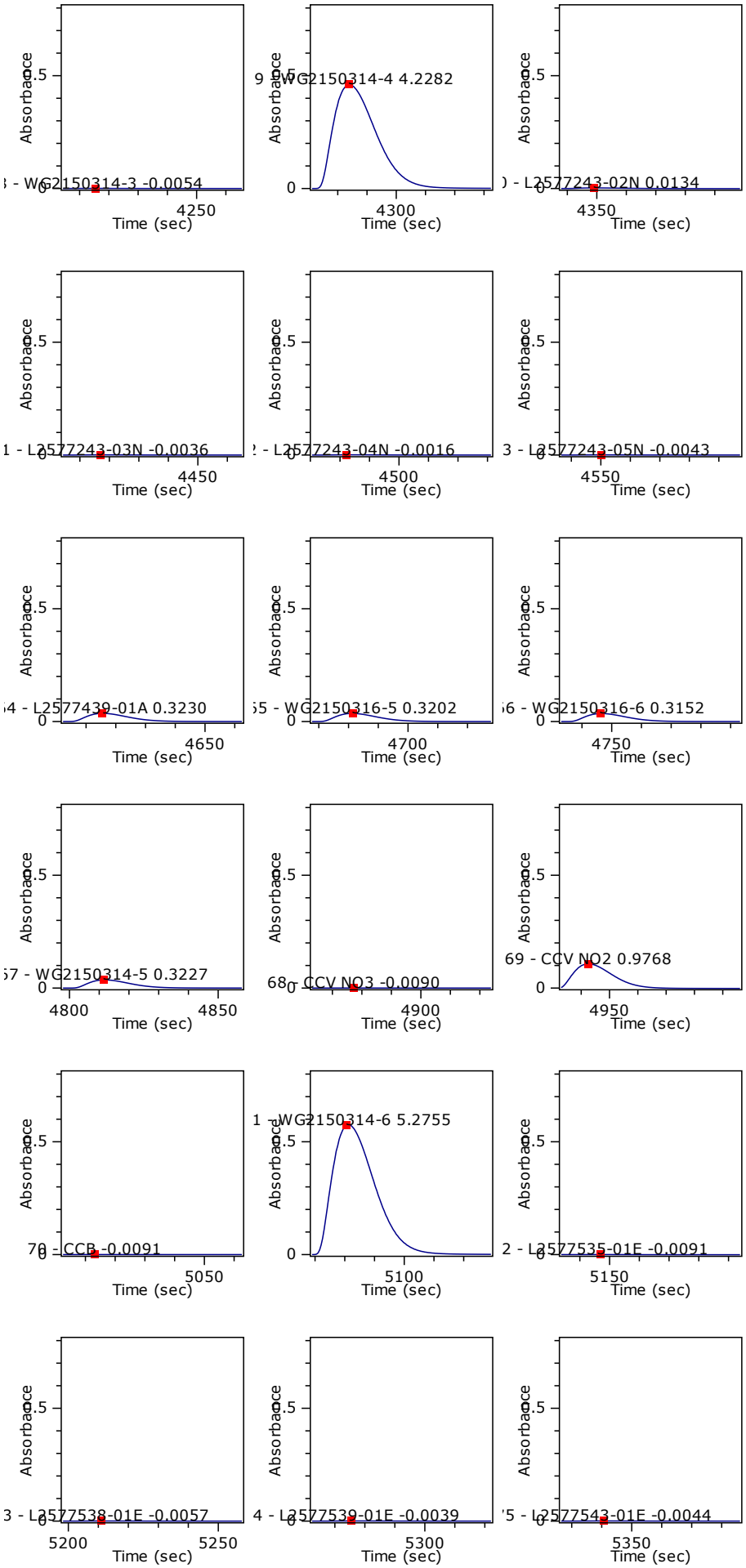
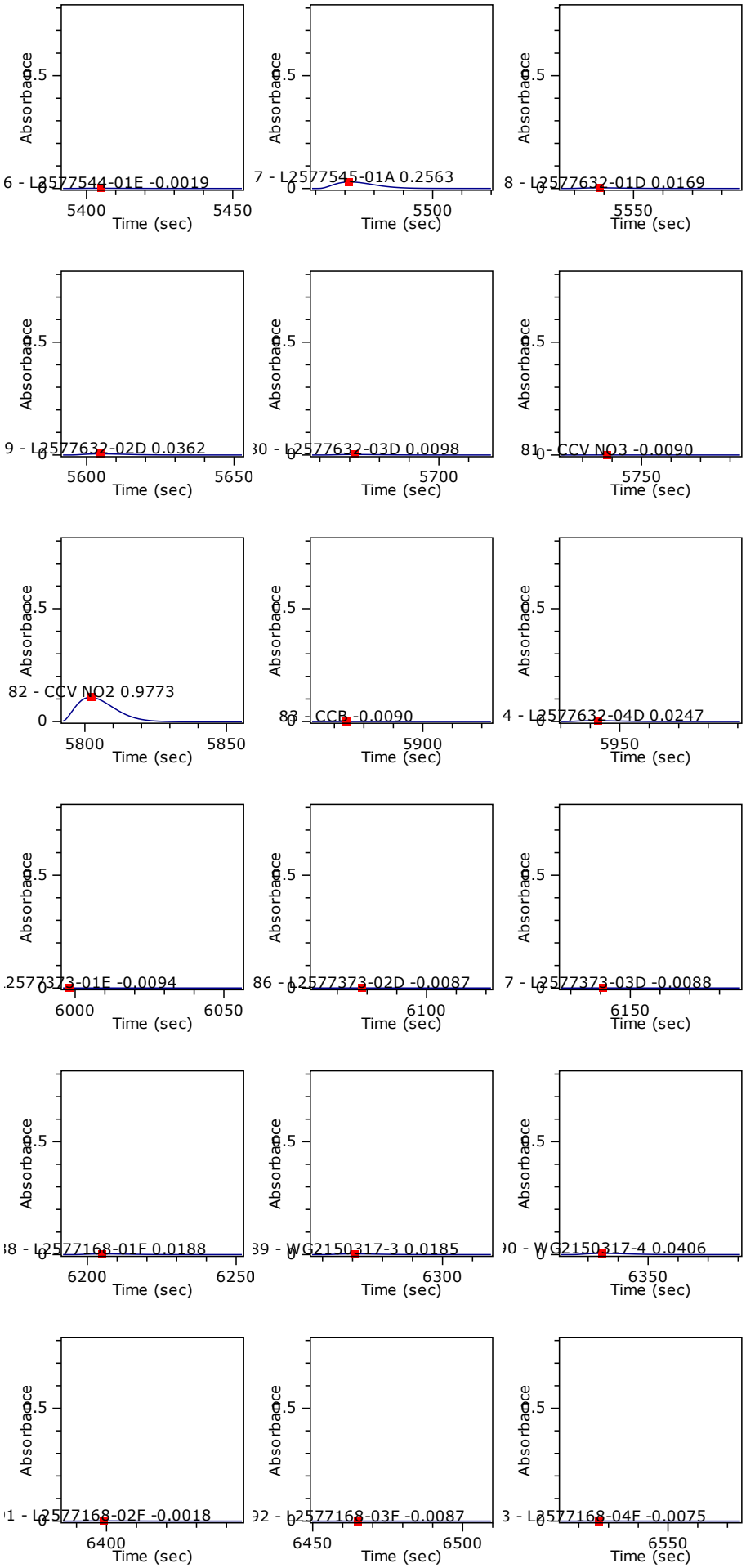
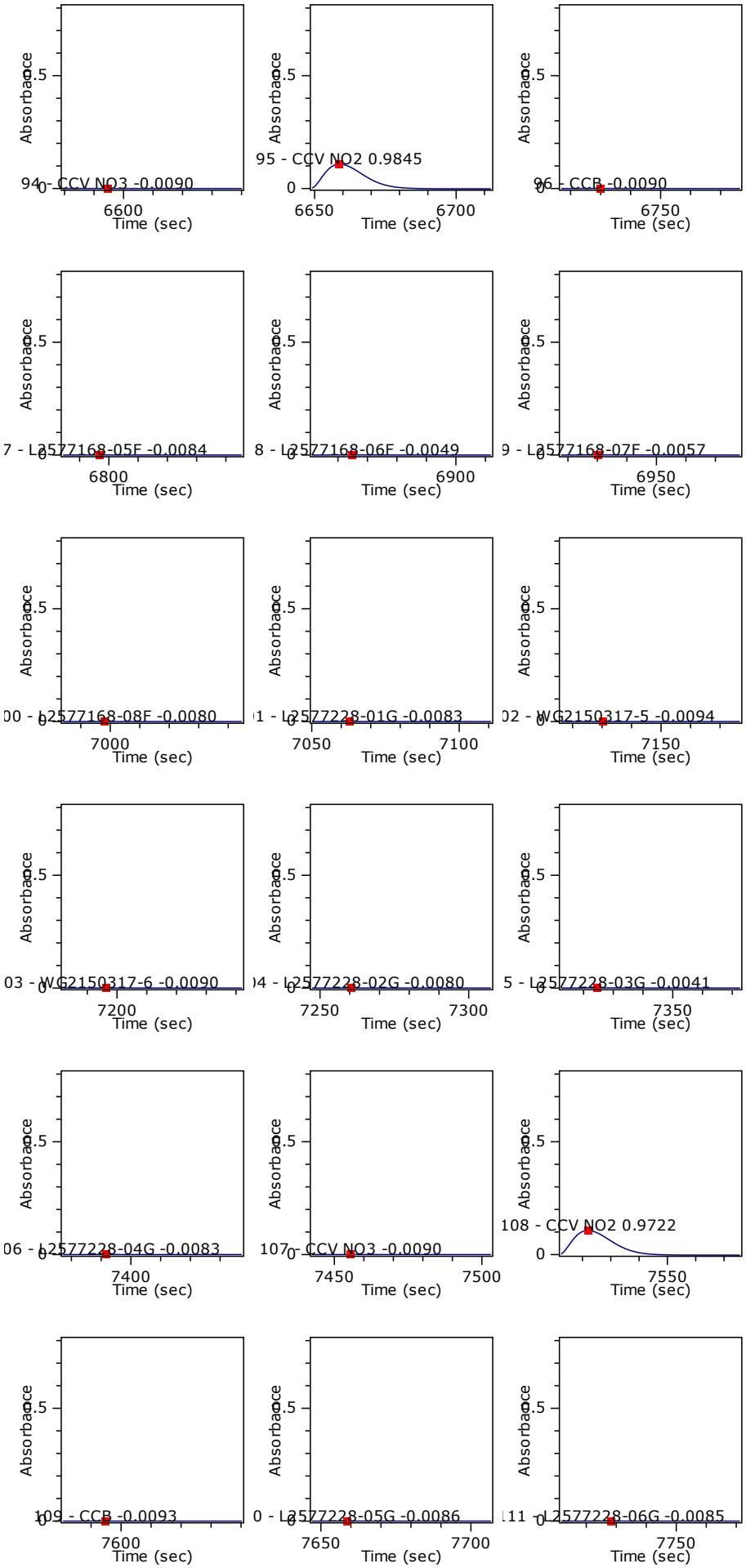
5 - NOx 0.4ppm -0.0088
6 - NOx 0.2ppm -0.0094
7 - NOx 0.1ppm -0.0094
8 - NOx 0.0ppm -0.0091
9 - Nitrite 8.0ppm 7.3990
10 - Nitrite 4.0ppm 3.9320
11 - Nitrite 1.0ppm 1.0169
12 - Nitrite 0.4ppm 0.4319
13 - Nitrite 0.1ppm 0.1091
14 - Nitrite 0.05ppm 0.0473
15 - Nitrite 0.0ppm -0.0031
16 - CCV NO3 -0.0045
17 - CCV NO2 0.9784
18 - CCB 0.0129
19 - ICV NO3 5.0 0.0029
20 - ICV NO2 5.0 4.9841
21 - ICV NO3 0.5 0.0478
Absorbance
Time (sec)

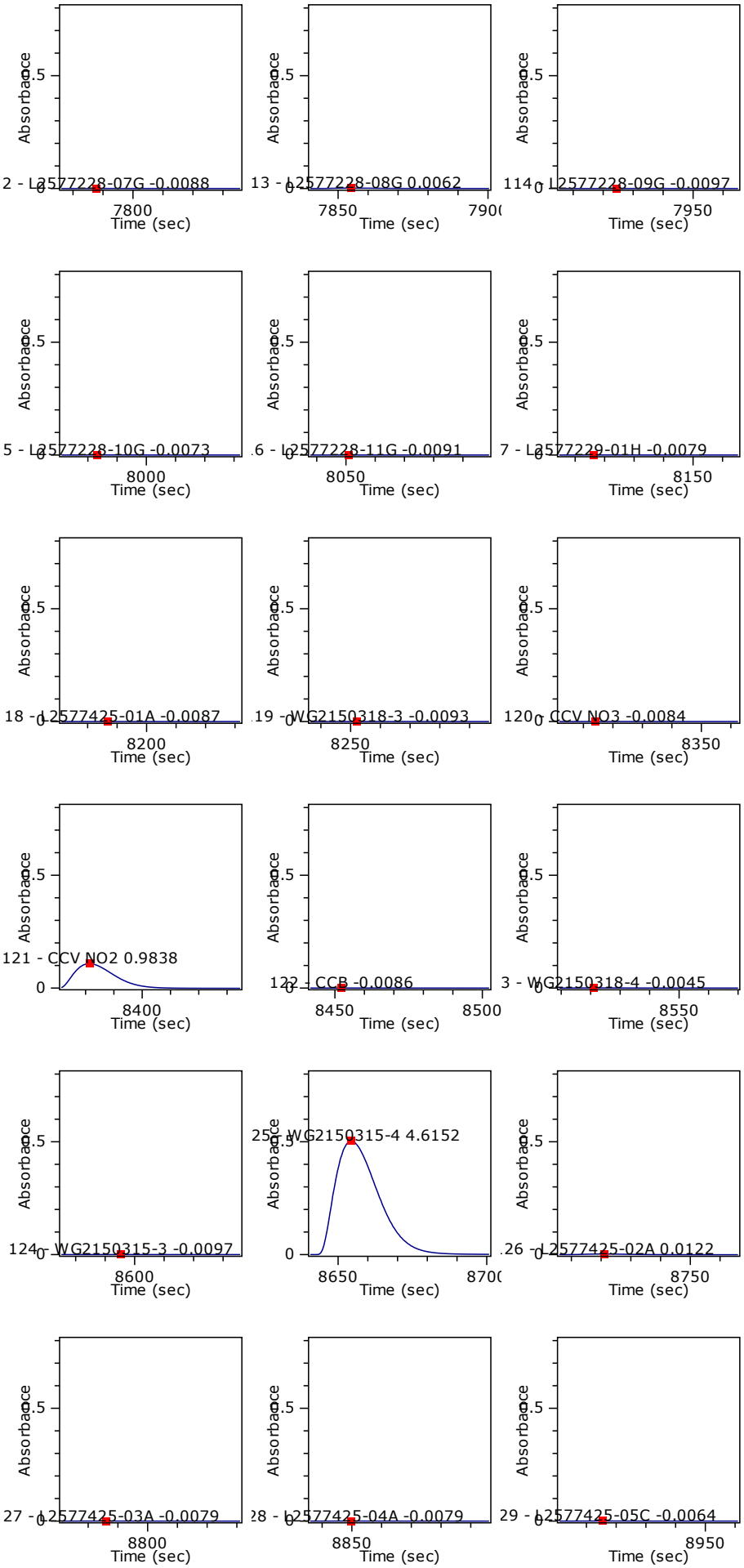

22 - ICV NO2 0.5 0.5209
23 - ICB 0.0063
24 - Diluter CHK 8PPM -0.0089
25 - BLANK NO3 -0.0075
26 - LCS NO3 -0.0075
27 - BLANK NO2 -0.0091
28 - LCS NO2 4.9445
29 - CCV NO3 0.0527
30 - CCV NO2 0.9642
31 - CCB 0.0168
32 - WG2150314-1 -0.0010
33 - WG2150314-2 4.9639
34 - WG2150315-1 0.0471
35 - WG2150315-2 5.0279
36 - WG2150316-1 0.0506
37 - WG2150316-2 0.0150
38 - WG2150317-1 -0.0040
39 - WG2150317-2 -0.0042
Absorbance
Time (sec)

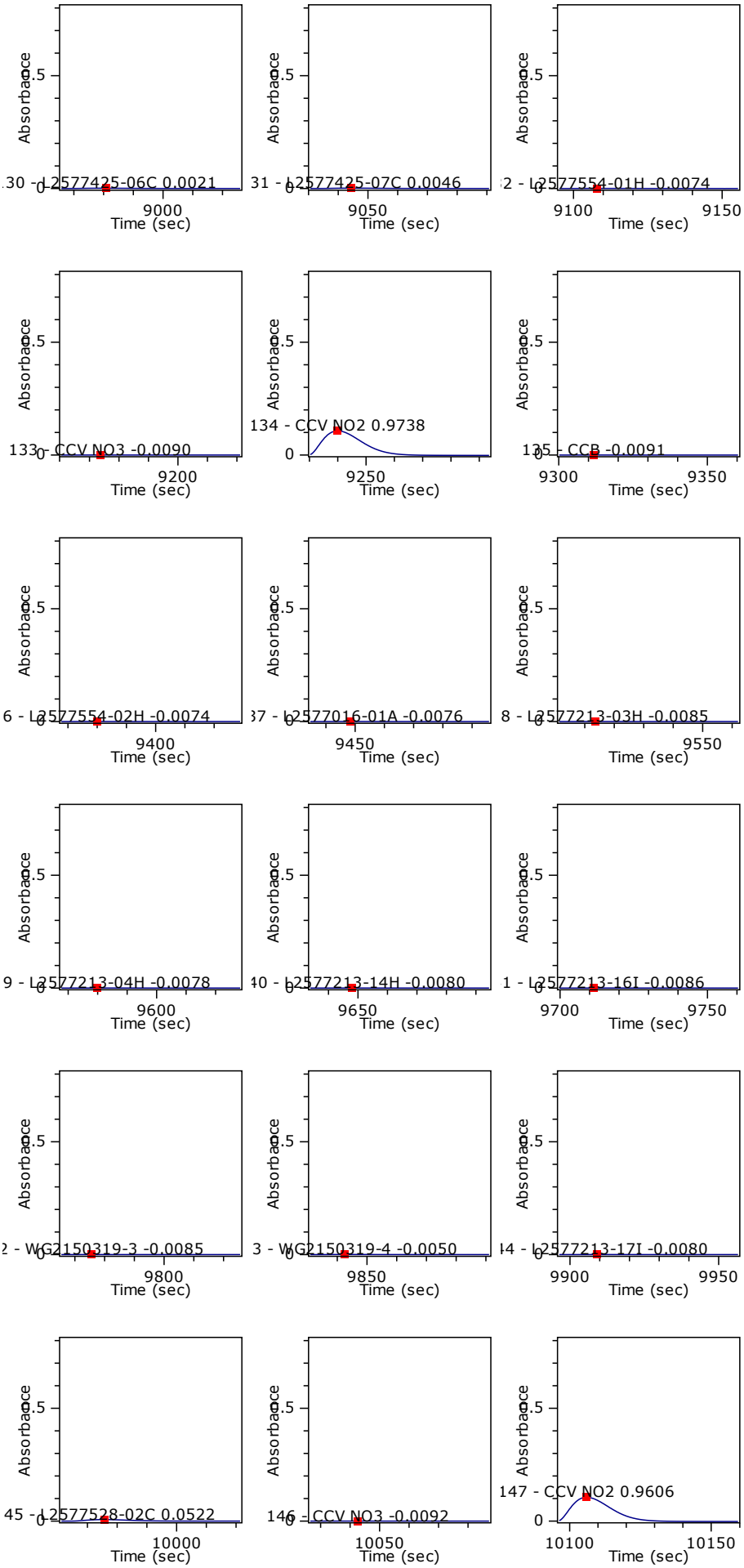

0 - WG2150318/20-1 -0.0089
41 - WG2150318/20-2 -0.0086
42 - CCV NO3 -0.0085
43 - CCV NO2 0.9620
44 - CCB 0.0115
45 - WG2150316-1 -0.0047
46 - WG2150319-1 -0.0091
47 - WG2150319-2 -0.0091
48 - WG2150321-1 -0.0096
49 - WG2150321-2 -0.0095
0 - L2577227-01M -0.0013
1 - L2577227-02M 0.0181
2 - L2577243-01N -0.0034
53 - WG2150316-3 -0.0036
54 - WG2150316-4 0.0130
55 - CCV NO3 -0.0089
56 - CCV NO2 0.9767
57 - CCB -0.0093
Absorbance
Time (sec)

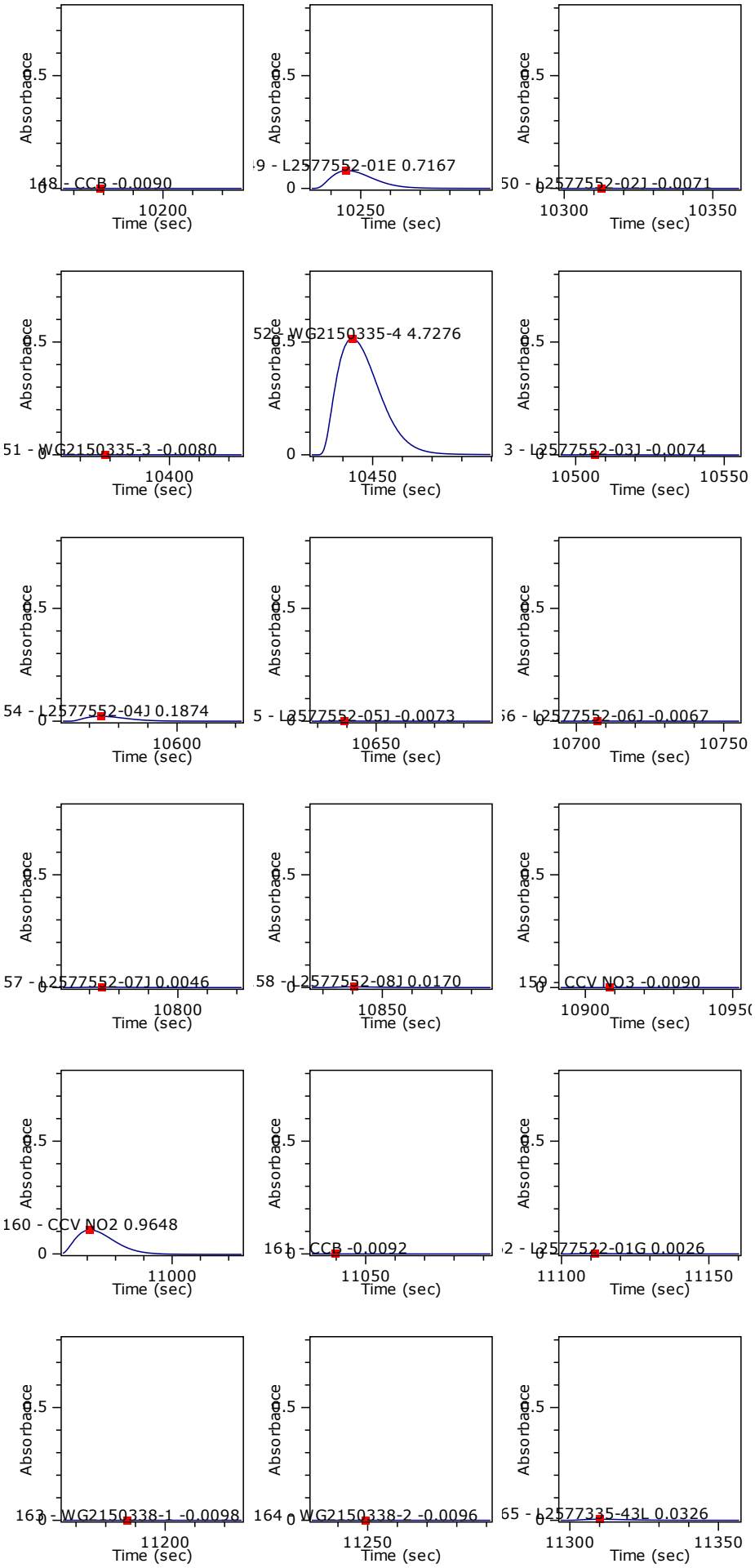

Absorbance
Time (sec)
- WG2150314-3 -0.0054
9 - WG2150314-4 4.2282
- L2577243-02N 0.0134
1 - L2577243-03N -0.0036
- L2577243-04N -0.0016
3 - L2577243-05N -0.0043
4 - L2577439-01A 0.3230
5 - WG2150316-5 0.3202
6 - WG2150316-6 0.3152
7 - WG2150314-5 0.3227
68 - CCV NO3 -0.0090
69 - CCV NO2 0.9768
1 - WG2150314-6 5.2755
70 - CCB -0.0091
2 - L2577535-01E -0.0091
3 - L2577538-01E -0.0057
4 - L2577539-01E -0.0039
5 - L2577543-01E -0.0044

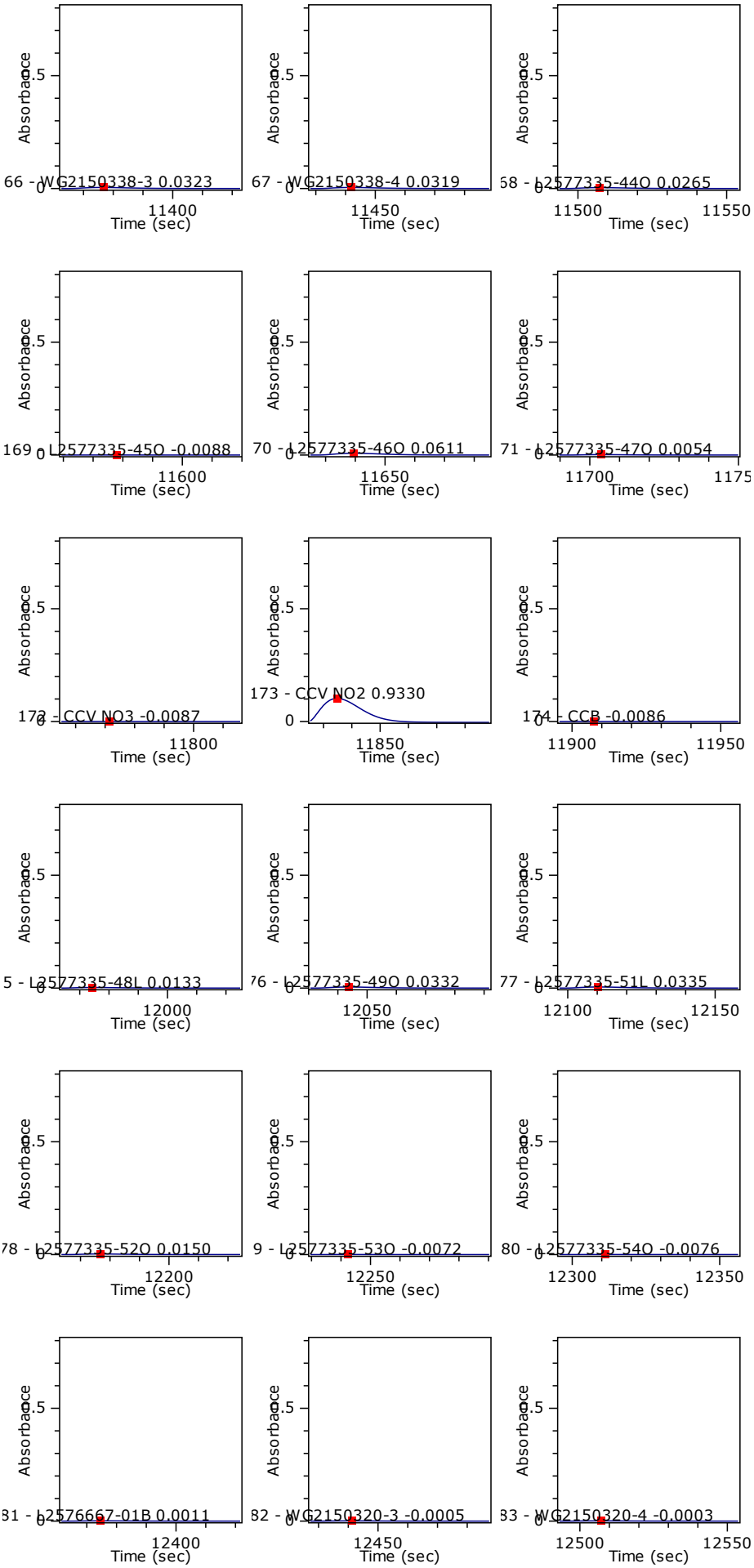

Absorbance
Time (sec)
6 - L2577544-01E -0.0019
7 - L2577545-01A 0.2563
8 - L2577632-01D 0.0169
9 - L2577632-02D 0.0362
30 - L2577632-03D 0.0098
81 - CCV NO3 -0.0090
82 - CCV NO2 0.9773
83 - CCB -0.0090
4 - L2577632-04D 0.0247
2577373-01E -0.0094
86 - L2577373-02D -0.0087
7 - L2577373-03D -0.0088
8 - L2577168-01E 0.0188
39 - WG2150317-3 0.0185
0 - WG2150317-4 0.0406
1 - L2577168-02E -0.0018
2 - L2577168-03E -0.0087
3 - L2577168-04E -0.0075

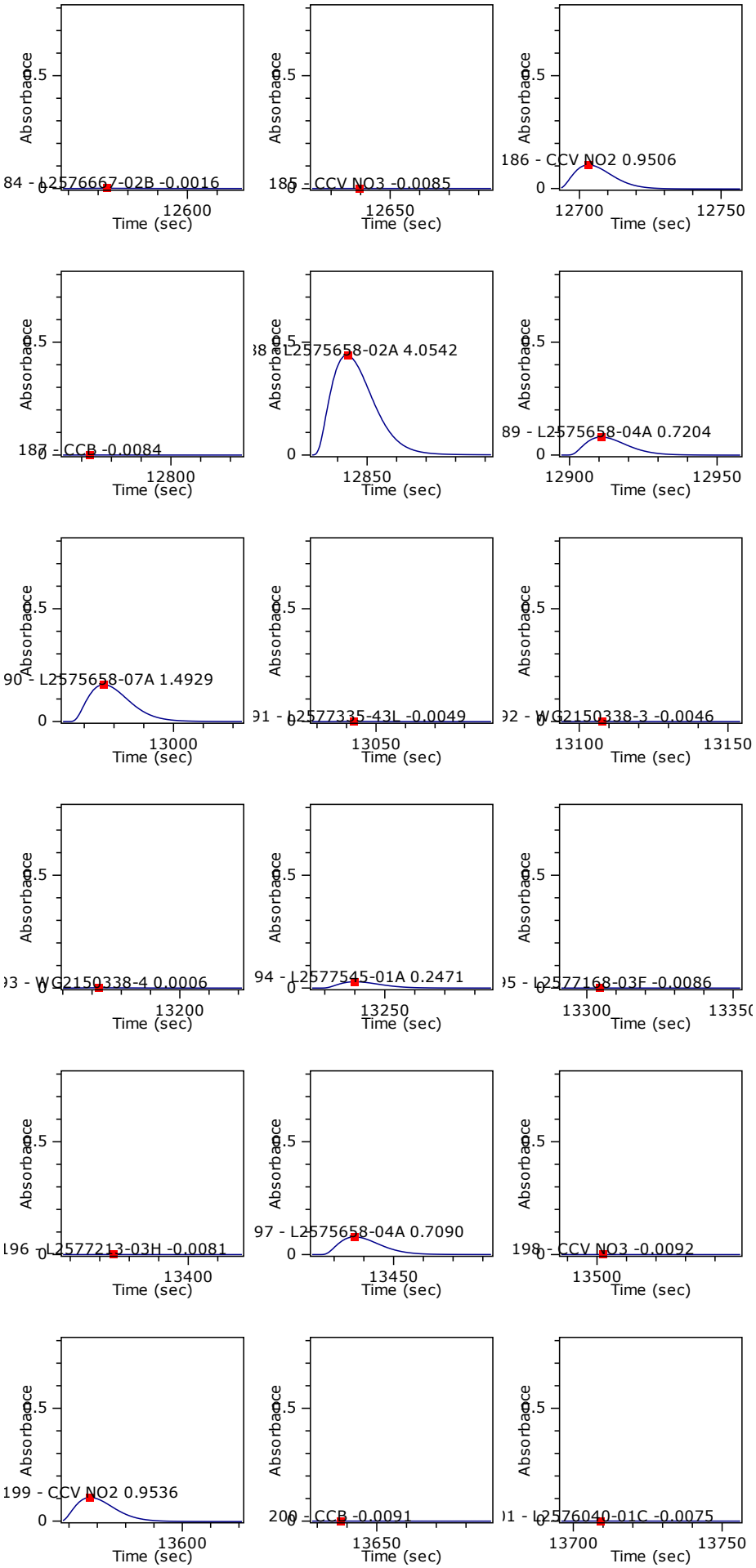

Absorbance
Time (sec)
94 - CCV NO3 -0.0090
95 - CCV NO2 0.9845
96 - CCB -0.0090
7 - L2577168-05F -0.0084
8 - L2577168-06F -0.0049
9 - L2577168-07F -0.0057
00 - L2577168-08F -0.0080
1 - L2577228-01G -0.0083
02 - WG2150317-5 -0.0094
03 - WG2150317-6 -0.0090
04 - L2577228-02G -0.0080
5 - L2577228-03G -0.0041
06 - L2577228-04G -0.0083
107 - CCV NO3 -0.0090
108 - CCV NO2 0.9722
109 - CCB -0.0093
0 - L2577228-05G -0.0086
11 - L2577228-06G -0.0085

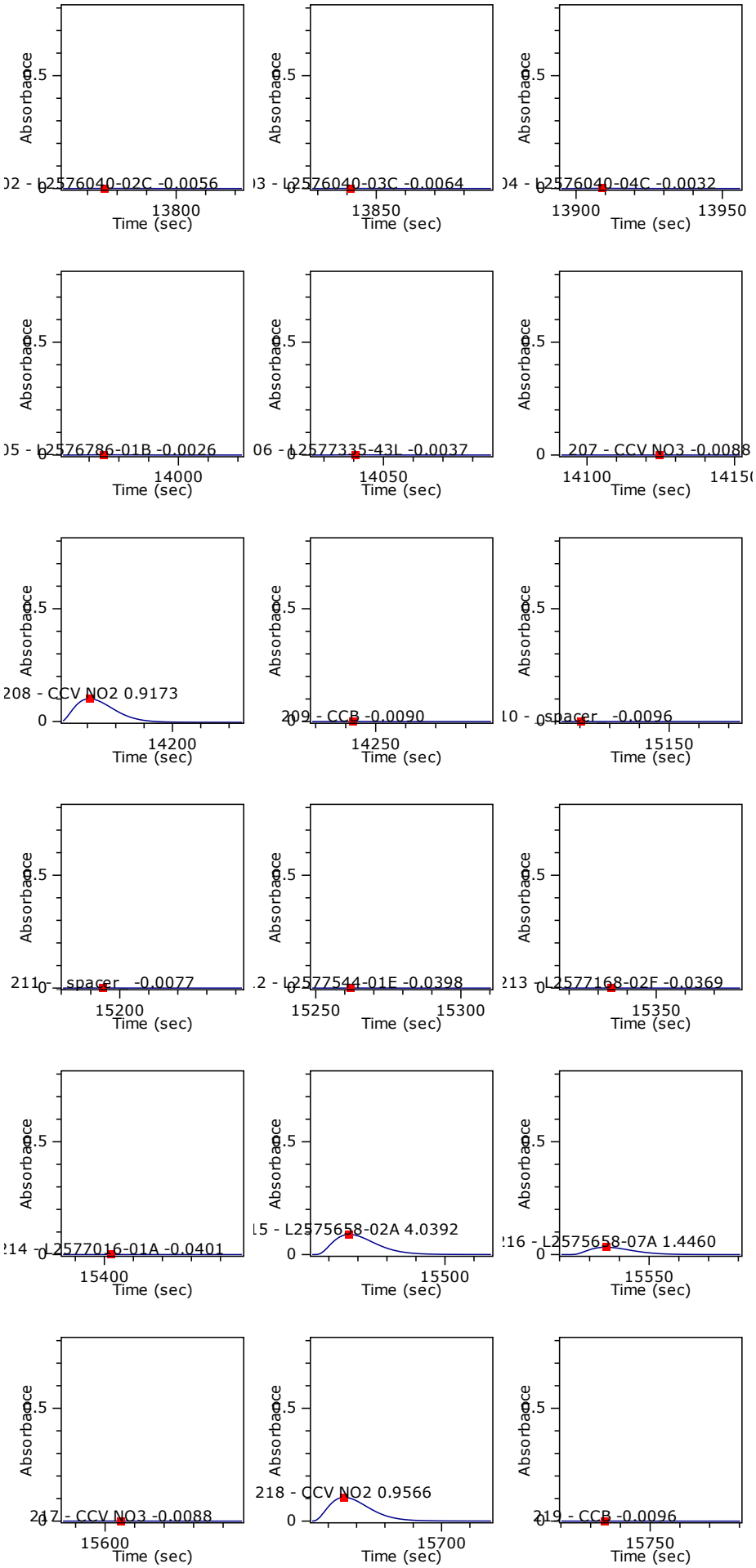

Absorbance
Time (sec)
2 - L2577228-07G -0.0088
13 - L2577228-08G 0.0062
114 - L2577228-09G -0.0097
5 - L2577228-10G -0.0073
6 - L2577228-11G -0.0091
7 - L2577229-01H -0.0079
18 - L2577425-01A -0.0087
19 - WG2150318-3 -0.0093
120 - CCV NO3 -0.0084
121 - CCV NO2 0.9838
122 - CCB -0.0086
3 - WG2150318-4 -0.0045
25 - WG2150315-4 4.6152
124 - WG2150315-3 -0.0097
26 - L2577425-02A 0.0122
27 - L2577425-03A -0.0079
28 - L2577425-04A -0.0079
29 - L2577425-05C -0.0064


Absorbance
Time (sec)
130 - L2577425-06C 0.0021
131 - L2577425-07C 0.0046
132 - L2577554-01H -0.0074
133 - CCV NO3 -0.0090
134 - CCV NO2 0.9738
135 - CCB -0.0091
136 - L2577554-02H -0.0074
137 - L2577016-01A -0.0076
138 - L2577213-03H -0.0085
139 - L2577213-04H -0.0078
140 - L2577213-14H -0.0080
141 - L2577213-16I -0.0086
142 - WG2150319-3 -0.0085
143 - WG2150319-4 -0.0050
144 - L2577213-17I -0.0080
145 - L2577528-02C 0.0522
146 - CCV NO3 -0.0092
147 - CCV NO2 0.9606


148 - CCB -0.0090
9 - L2577552-01E 0.7167
50 - L2577552-02J -0.0071
51 - WG2150335-3 -0.0080
52 - WG2150335-4 4.7276
3 - L2577552-03J -0.0074
54 - L2577552-04J 0.1874
5 - L2577552-05J -0.0073
6 - L2577552-06J -0.0067
57 - L2577552-07J 0.0046
58 - L2577552-08J 0.0170
159 - CCV NO3 -0.0090
160 - CCV NO2 0.9648
161 - CCB -0.0092
2 - L2577522-01G 0.0026
163 - WG2150338-1 -0.0098
164 - WG2150338-2 -0.0096
65 - L2577335-43L 0.0326
Absorbance
Time (sec)


Absorbance
Time (sec)
66 - WG2150338-3 0.0323
67 - WG2150338-4 0.0319
58 - L2577335-44O 0.0265
169 - L2577335-45O -0.0088
70 - L2577335-46O 0.0611
71 - L2577335-47O 0.0054
172 - CCV NO3 -0.0087
173 - CCV NO2 0.9330
174 - CCB -0.0086
5 - L2577335-48L 0.0133
76 - L2577335-49O 0.0332
77 - L2577335-51L 0.0335
78 - L2577335-52O 0.0150
9 - L2577335-53O -0.0072
80 - L2577335-54O -0.0076
81 - L2576667-01B 0.0011
82 - WG2150320-3 -0.0005
83 - WG2150320-4 -0.0003


Absorbance
Time (sec)
184 - L2576667-02B -0.0016
185 - CCV NO3 -0.0085
186 - CCV NO2 0.9506
187 - CCB -0.0084
188 - L2575658-02A 4.0542
189 - L2575658-04A 0.7204
190 - L2575658-07A 1.4929
191 - L2577335-43L -0.0049
192 - WG2150338-3 -0.0046
193 - WG2150338-4 0.0006
194 - L2577545-01A 0.2471
195 - L2577168-03F -0.0086
196 - L2577213-03H -0.0081
197 - L2575658-04A 0.7090
198 - CCV NO3 -0.0092
199 - CCV NO2 0.9536
200 - CCB -0.0091
201 - L2576040-01C -0.0075


Absorbance
Time (sec)
02 - L2576040-02C -0.0056
13800
03 - L2576040-03C -0.0064
13850
04 - L2576040-04C -0.0032
13900
13950
05 - L2576786-01B -0.0026
14000
06 - L2577335-43L -0.0037
14050
207 - CCV NO3 -0.0088
14100
208 - CCV NO2 0.9173
14200
209 - CCB -0.0090
14250
10 - spacer -0.0096
15150
211 - spacer -0.0077
15200
.2 - L2577544-01E -0.0398
15250
15300
213 - L2577168-02F -0.0369
15350
214 - L2577016-01A -0.0401
15400
15 - L2575658-02A 4.0392
15500
216 - L2575658-07A 1.4460
15550
217 - CCV NO3 -0.0088
15600
218 - CCV NO2 0.9566
15700
219 - CCB -0.0096
15750

Data Processing Parameters:

Channel: 1-NOx

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Channel: 2-NO2

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Method Log:

```
FIAsoft FIAsoft v3.1.10

FIAlyzer Settings
------------
FIAlab1 Serial Number: FIA31428
FIAlab2 Serial Number: FIA31429
Pump: Connected on COM8

Spectrometer Settings
Spectrometer1
------------
Spectrometer Type: tec5
Integration Time: 1.6
Bandwidth: 2
Data Acq Rate: 2
Use Full Spectrum: False
        |---  Low: 500nm
        |--- High: 650nm
Reduce to Boxcar: True

Spectrometer2
------------
Spectrometer Type: tec5
Integration Time: 2.5
Bandwidth: 2
```

```
Data Acq Rate: 2
Use Full Spectrum: False
        |---  Low: 500nm
        |--- High: 650nm
Reduce to Boxcar: True

Start Time
------------
2025-12-06T02:44:56

Method
------------
' Method Script for NOx-NO2

Autosave Data C:\FIAlab\Autosave Data\DateTime
FIAlab Injection Valve Sample Load
Message Cadmium Column on for NOx
FIAlab Peristaltic Pump Clockwise(%) 55

Autosampler Wash
Delay (sec) 2
Next Sample
Delay (sec) 35  'StartDelay2 - Controls initial sample introduction.

FIAlab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 2
Autosampler Position (#) Rinse
FIAlab2 Injection Valve Sample Inject
Delay (sec) 15   'StartDelay3 - Should be set equal to LoopDelay3

Autosampler Probe Up
Delay (sec) 5   'StartDelay4 - Should be set equal to LoopDelay4

Loop Start

   Analyte New Sample
   Delay (sec) 1
   Next Sample
   Autosampler Probe Force Down

   Spectrometer Reference Scan
   Spectrometer Absorbance Scanning

   Delay (sec) 3   ' LoopDelay1 - Controls sample transit & loop empty. Controls back baseline.

   FIAlab Injection Valve Sample Load

   Delay (sec) 35   ' LoopDelay2 - Controls sample transit & loop fill. Controls back baseline.

   FIAlab1 Injection Valve Sample Inject
   Autosampler Probe Up
   Delay (sec) 5
   Autosampler Position (#) Rinse
   FIAlab2 Injection Valve Sample Inject

   Delay (sec) 10   ' LoopDelay3 - Controls loop empty & probe rinse time. Inverse controls front baseline.

   Autosampler Probe Up

   Delay (sec) 3   ' LoopDelay4 - Controls loop empty. Inverse controls front baseline.

   Spectrometer Stop Scanning

Loop End

Autosampler Position (#) Rinse
Delay (sec) 20
Autosampler Probe Up
Delay (sec) 30
FIAlab Peristaltic Pump Clockwise(%) 5
Autoexport Report C:\FIAlab\autoreport\NOxNO2\DateTime
Message Run is Complete
```

Method File Location: C:\FIAlab\FIAlab User Files\Methods\Method_NOx+NO2.fia

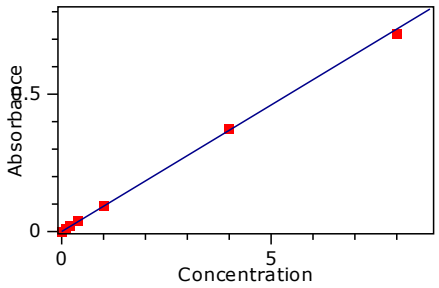
Graphical report generated by FIAsoft v3.1.10
Report generated on 2025-12-06 08:55:44
Data file (.dat): C:\FIAlab\Autosave Data\2025-12-06-085525.dat

Dataset Notes:

Analyst	

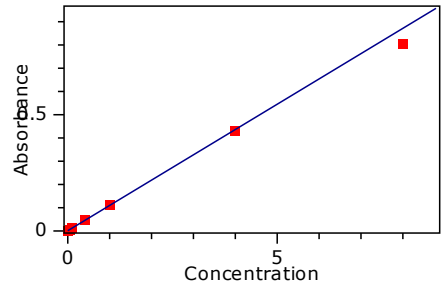
Dataset Notes Table Location: C:\FIAlab\FIAlab User Files\Tables\Dataset Notes\Analyst.csv

Calibrations:



Channel: 1-NOx
Fit_Order: 1
Weighting: 1/response
Standard relation
Coefficients:
A: 0.00005
B: 0.09211
R^2: 0.99970
RSE(%): 1.96881
% Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	NOx 8.0ppm	0.71950	8.00000	7.81090	2.36	N/A
10002	NOx 4.0ppm	0.37310	4.00000	4.05020	1.26	N/A
10003	NOx 1.0ppm	0.09140	1.00000	0.99130	0.87	N/A
10004	NOx 0.4ppm	0.03790	0.40000	0.41050	2.64	N/A
10005	NOx 0.2ppm	0.01850	0.20000	0.20070	0.36	N/A
10006	NOx 0.1ppm	0.00920	0.10000	0.09930	0.71	N/A
10007	NOx 0.0ppm	0.00010	0.00000	0.00060	NA	N/A



Channel: 2-NO2
Fit_Order: 1
Weighting: 1/response
Standard relation
Coefficients:
A: 0.00111
B: 0.10880
R^2: 0.99911
RSE(%): 7.69295
% Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	Nitrite 8.0ppm	0.80610	8.00000	7.39900	7.51	N/A
10002	Nitrite 4.0ppm	0.42890	4.00000	3.93200	1.70	N/A
10003	Nitrite 1.0ppm	0.11170	1.00000	1.01690	1.69	N/A
10004	Nitrite 0.4ppm	0.04810	0.40000	0.43190	7.99	N/A
10005	Nitrite 0.1ppm	0.01300	0.10000	0.10910	9.09	N/A
10006	Nitrite 0.05ppm	0.00630	0.05000	0.04730	5.31	N/A
10007	Nitrite 0.0ppm	0.00080	0.00000	-0.00310	NA	N/A

Results:

Channel: 1-NOx

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0003	1	1	1	0.0025		2025-12-06T08:15:48
CCV NO3	2	QC	1	0.0921	1	1	1	0.9989		2025-12-06T08:16:57
CCV NO2	3	QC	?	0.0943	1	1	1	1.0229		2025-12-06T08:18:03
CCB	4	QC	0	0.0000	1	1	1	-0.0010		2025-12-06T08:18:48

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2574244-01F	5	Unknown	?	0.1039	1	1	1	1.1275		2025-12-06T08:20:21
WG2150321-3	6	Unknown	?	0.1036	1	1	1	1.1247		2025-12-06T08:21:27
WG2150321-4	7	Unknown	?	0.4654	1	1	1	5.0522		2025-12-06T08:22:33
L2574244-02F	8	Unknown	?	0.0180	1	1	1	0.1951		2025-12-06T08:23:39
L2574244-03F	9	Unknown	?	0.0107	1	1	1	0.1155		2025-12-06T08:24:46
L2574244-04F	10	Unknown	?	0.0660	1	1	1	0.7156		2025-12-06T08:25:52
L2574244-05F	11	Unknown	?	0.0102	1	1	1	0.1098		2025-12-06T08:26:58
L2574244-06F	12	Unknown	?	0.0032	1	1	1	0.0340		2025-12-06T08:28:04
L2574398-06D	13	Unknown	?	0.0115	1	1	1	0.1245		2025-12-06T08:29:10
L2574409-01N	14	Unknown	?	0.0041	1	1	1	0.0437		2025-12-06T08:30:16
CCV NO3	15	QC	1	0.0915	1	1	1	0.9923		2025-12-06T08:31:21
CCV NO2	16	QC	?	0.0944	1	1	1	1.0239		2025-12-06T08:32:26
CCB	17	QC	0	0.0000	1	1	1	-0.0008		2025-12-06T08:33:12
L2574752-01L	18	Unknown	?	0.0040	1	1	1	0.0434		2025-12-06T08:34:45
L2575154-01P	19	Unknown	?	0.0535	1	1	1	0.5803		2025-12-06T08:35:52
L2575156-01M	20	Unknown	?	0.0025	1	1	1	0.0266		2025-12-06T08:36:58
L2575576-01N	21	Unknown	?	0.0374	1	1	1	0.4050		2025-12-06T08:38:05
L2575576-02N	22	Unknown	?	0.0093	1	1	1	0.1009		2025-12-06T08:39:11
L2575576-03N	23	Unknown	?	0.0040	1	1	1	0.0424		2025-12-06T08:40:18
L2575576-04N	24	Unknown	?	0.0169	1	1	1	0.1833		2025-12-06T08:41:24
L2575576-05N	25	Unknown	?	0.0078	1	1	1	0.0839		2025-12-06T08:42:31
L2575576-06N	26	Unknown	?	0.0074	1	1	1	0.0803		2025-12-06T08:43:36
L2575748-01A	27	Unknown	?	0.0373	1	1	1	0.4048		2025-12-06T08:44:43
CCV NO3	28	QC	1	0.0895	1	1	1	0.9717		2025-12-06T08:45:48
CCV NO2	29	QC	?	0.0930	1	1	1	1.0088		2025-12-06T08:46:54
CCB	30	QC	0	0.0000	1	1	1	-0.0009		2025-12-06T08:47:41
L2575748-02A	31	Unknown	?	0.0341	1	1	1	0.3695		2025-12-06T08:49:13
L2575748-03A	32	Unknown	?	0.0256	1	1	1	0.2770		2025-12-06T08:50:21
CCV NO3	33	QC	1	0.0906	1	1	1	0.9835		2025-12-06T08:51:26
CCV NO2	34	QC	?	0.0939	1	1	1	1.0185		2025-12-06T08:52:31
CCB	35	QC	0	0.0000	1	1	1	-0.0007		2025-12-06T08:53:15

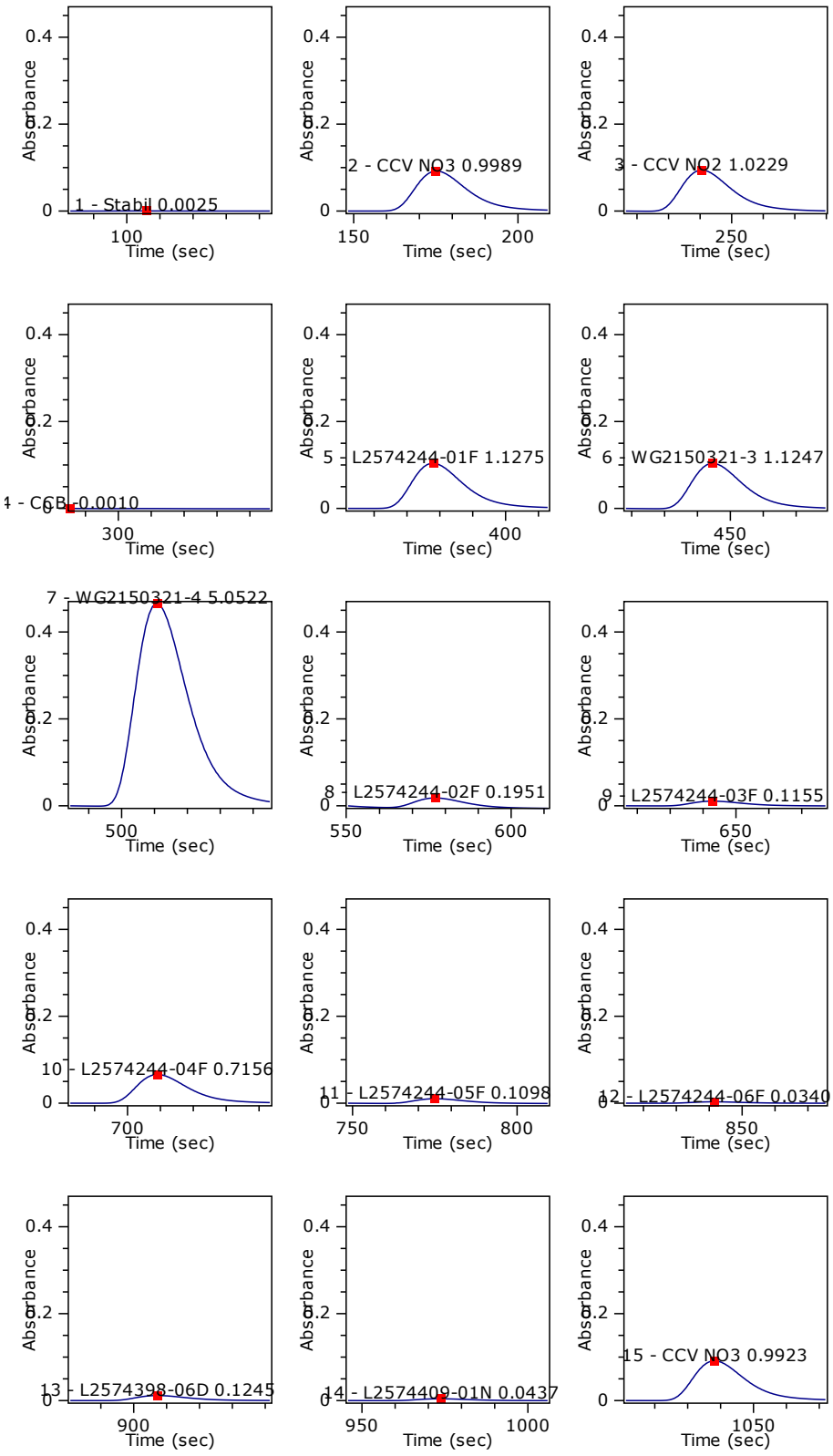
Channel: 2-NO2

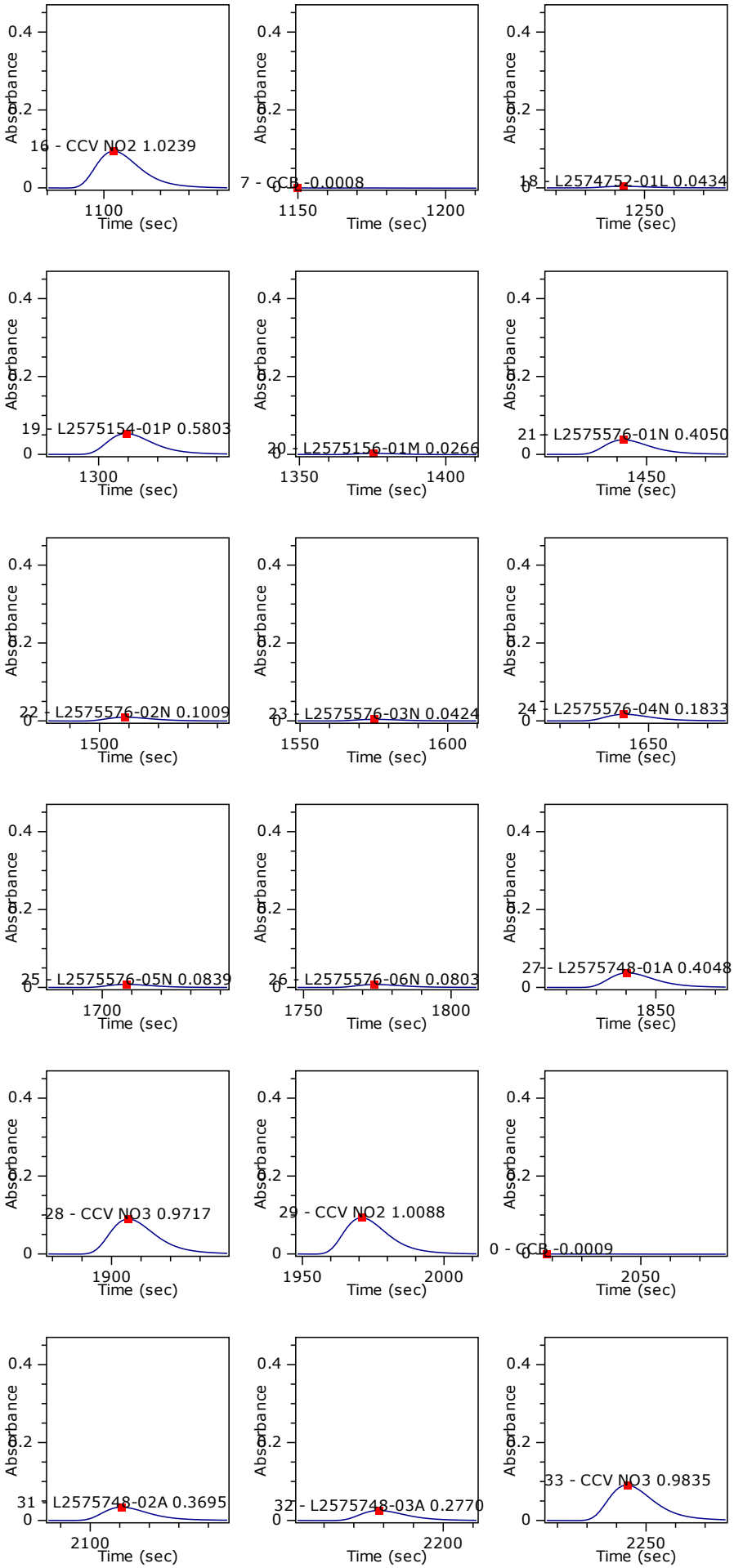
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0002	1	1	1	-0.0088		2025-12-06T08:15:31
CCV NO3	2	QC	?	0.0002	1	1	1	-0.0082		2025-12-06T08:16:50
CCV NO2	3	QC	1	0.1073	1	1	1	0.9758		2025-12-06T08:17:51
CCB	4	QC	0	0.0019	1	1	1	0.0070		2025-12-06T08:19:06
L2574244-01F	5	Unknown	?	0.0006	1	1	1	-0.0046		2025-12-06T08:20:15
WG2150321-3	6	Unknown	?	0.0002	1	1	1	-0.0085		2025-12-06T08:21:20
WG2150321-4	7	Unknown	?	0.0019	1	1	1	0.0071		2025-12-06T08:22:29
L2574244-02F	8	Unknown	?	0.0004	1	1	1	-0.0062		2025-12-06T08:23:27
L2574244-03F	9	Unknown	?	0.0016	1	1	1	0.0043		2025-12-06T08:24:41
L2574244-04F	10	Unknown	?	0.0005	1	1	1	-0.0051		2025-12-06T08:25:40
L2574244-05F	11	Unknown	?	0.0003	1	1	1	-0.0074		2025-12-06T08:26:46
L2574244-06F	12	Unknown	?	0.0002	1	1	1	-0.0084		2025-12-06T08:27:54
L2574398-06D	13	Unknown	?	0.0005	1	1	1	-0.0054		2025-12-06T08:28:59
L2574409-01N	14	Unknown	?	0.0003	1	1	1	-0.0074		2025-12-06T08:30:04
CCV NO3	15	QC	?	0.0002	1	1	1	-0.0086		2025-12-06T08:31:11
CCV NO2	16	QC	1	0.1052	1	1	1	0.9566		2025-12-06T08:32:13
CCB	17	QC	0	0.0002	1	1	1	-0.0081		2025-12-06T08:33:24
L2574752-01L	18	Unknown	?	0.0002	1	1	1	-0.0080		2025-12-06T08:34:36
L2575154-01P	19	Unknown	?	0.0006	1	1	1	-0.0047		2025-12-06T08:35:41
L2575156-01M	20	Unknown	?	0.0002	1	1	1	-0.0082		2025-12-06T08:36:45
L2575576-01N	21	Unknown	?	0.0017	1	1	1	0.0054		2025-12-06T08:37:53
L2575576-02N	22	Unknown	?	0.0004	1	1	1	-0.0062		2025-12-06T08:38:59
L2575576-03N	23	Unknown	?	0.0002	1	1	1	-0.0080		2025-12-06T08:40:07
L2575576-04N	24	Unknown	?	0.0006	1	1	1	-0.0048		2025-12-06T08:41:11
L2575576-05N	25	Unknown	?	0.0005	1	1	1	-0.0055		2025-12-06T08:42:19
L2575576-06N	26	Unknown	?	0.0004	1	1	1	-0.0066		2025-12-06T08:43:23
L2575748-01A	27	Unknown	?	0.0006	1	1	1	-0.0044		2025-12-06T08:44:32
CCV NO3	28	QC	?	0.0002	1	1	1	-0.0086		2025-12-06T08:45:39
CCV NO2	29	QC	1	0.1038	1	1	1	0.9440		2025-12-06T08:46:41
CCB	30	QC	0	0.0001	1	1	1	-0.0091		2025-12-06T08:47:56
L2575748-02A	31	Unknown	?	0.0007	1	1	1	-0.0035		2025-12-06T08:49:01
L2575748-03A	32	Unknown	?	0.0005	1	1	1	-0.0056		2025-12-06T08:50:10
CCV NO3	33	QC	?	0.0002	1	1	1	-0.0079		2025-12-06T08:51:17

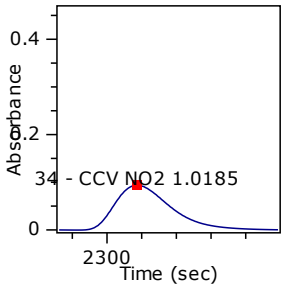
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
CCV NO2	34	QC	1	0.1038	1	1	1	0.9440		2025-12-06T08:52:19
CCB	35	QC	0	0.0002	1	1	1	-0.0088		2025-12-06T08:53:28

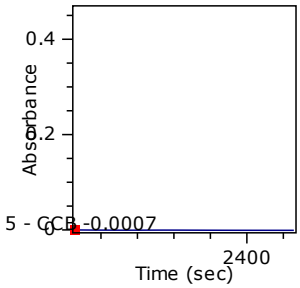
Peaks:

Channel: 1-NOx

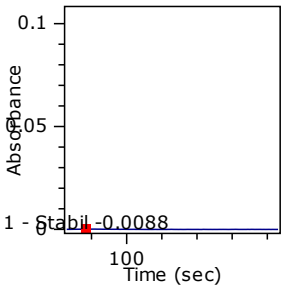


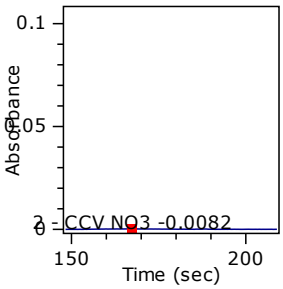

16 - CCV NO2 1.0239
7 - GCB -0.0008
18 - L2574752-01L 0.0434
19 - L2575154-01P 0.5803
20 - L2575156-01M 0.0266
21 - L2575576-01N 0.4050
22 - L2575576-02N 0.1009
23 - L2575576-03N 0.0424
24 - L2575576-04N 0.1833
25 - L2575576-05N 0.0839
26 - L2575576-06N 0.0803
27 - L2575748-01A 0.4048
28 - CCV NO3 0.9717
29 - CCV NO2 1.0088
0 - GCB -0.0009
31 - L2575748-02A 0.3695
32 - L2575748-03A 0.2770
33 - CCV NO3 0.9835
Absorbance
Time (sec)

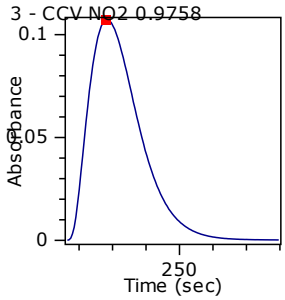


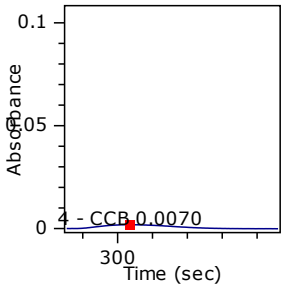


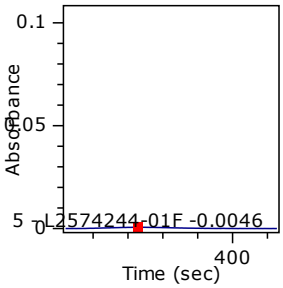
Channel: 2-NO2

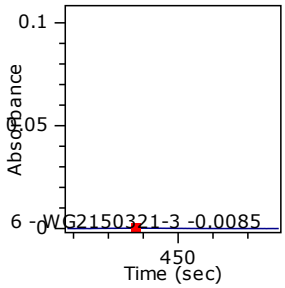


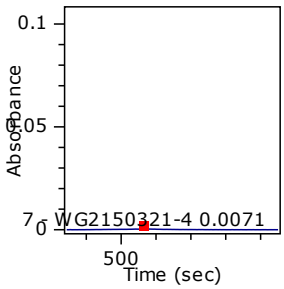


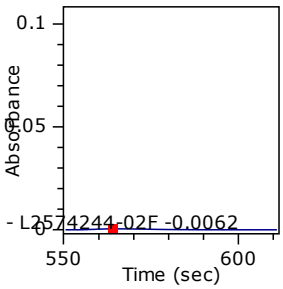


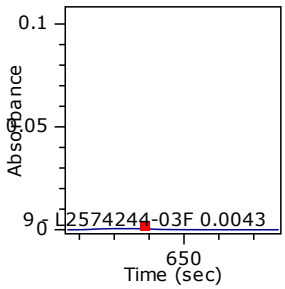


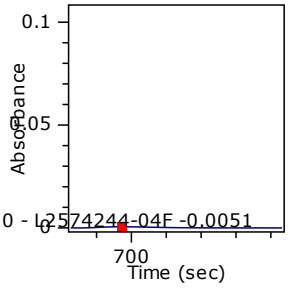


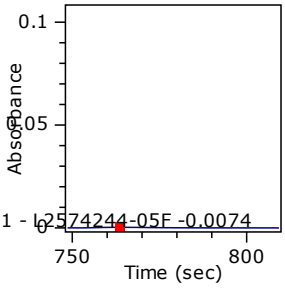


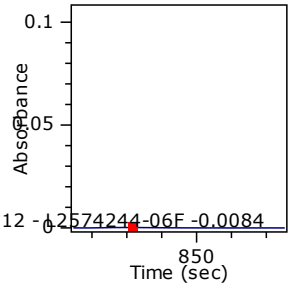


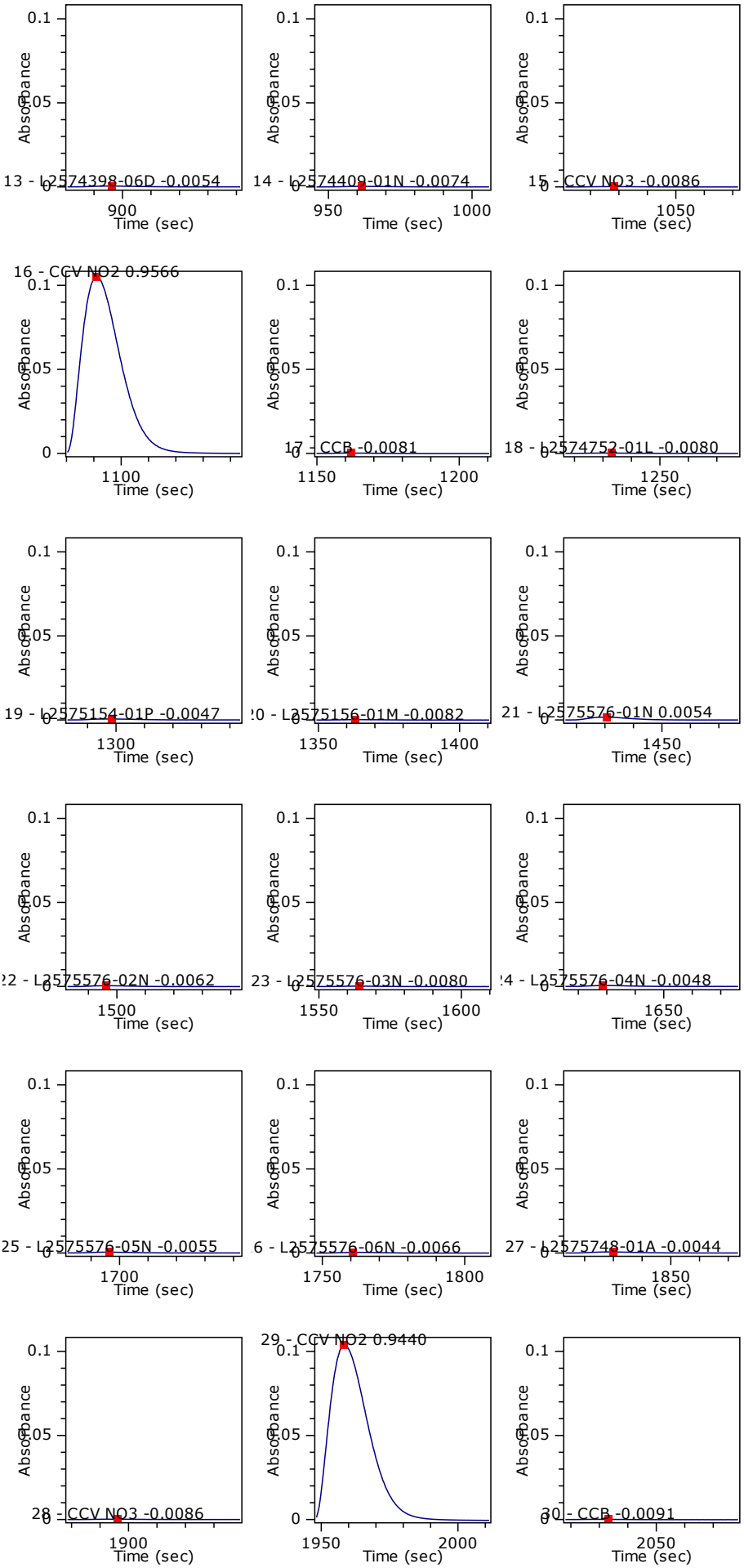


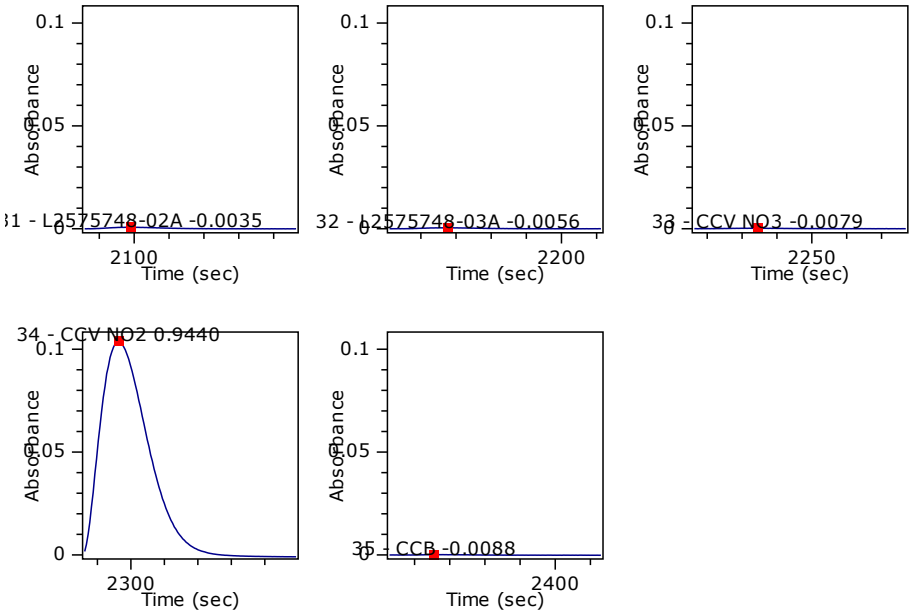









13 - L2574398-06D -0.0054
14 - L2574409-01N -0.0074
15 - CCV NO3 -0.0086
16 - CCV NO2 0.9566
17 - CCB -0.0081
18 - L2574752-01L -0.0080
19 - L2575154-01P -0.0047
20 - L2575156-01M -0.0082
21 - L2575576-01N 0.0054
22 - L2575576-02N -0.0062
23 - L2575576-03N -0.0080
24 - L2575576-04N -0.0048
25 - L2575576-05N -0.0055
26 - L2575576-06N -0.0066
27 - L2575748-01A -0.0044
28 - CCV NO3 -0.0086
29 - CCV NO2 0.9440
30 - CCB -0.0091
Absorbance
Time (sec)



Data Processing Parameters:

Channel: 1-NOx

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Channel: 2-NO2

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Method Log:

```
FIAsoft FIAsoft v3.1.10

FIAlyzer Settings
------------
FIAlab1 Serial Number: FIA31428
FIAlab2 Serial Number: FIA31429
Pump: Connected on COM8

Spectrometer Settings
Spectrometer1
------------
Spectrometer Type: tec5
Integration Time: 1.6
Bandwidth: 2
Data Acq Rate: 2
Use Full Spectrum: False
        |---  Low: 500nm
        |--- High: 650nm
Reduce to Boxcar: True

Spectrometer2
------------
Spectrometer Type: tec5
Integration Time: 2.5
Bandwidth: 2
Data Acq Rate: 2
Use Full Spectrum: False
        |---  Low: 500nm
        |--- High: 650nm
Reduce to Boxcar: True

Start Time
------------
2025-12-06T08:14:03

Method
------------
' Method Script for NOx-NO2

Autosave Data C:\FIAlab\Autosave Data\DateTime
FIAlab Injection Valve Sample Load
Message Cadmium Column on for NOx
FIAlab Peristaltic Pump Clockwise(%) 55

Autosampler Wash
Delay (sec) 2
Next Sample
Delay (sec) 35  'StartDelay2 - Controls initial sample introduction.

FIAlab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 2
Autosampler Position (#) Rinse
FIAlab2 Injection Valve Sample Inject
Delay (sec) 15   'StartDelay3 - Should be set equal to LoopDelay3

Autosampler Probe Up
Delay (sec) 5   'StartDelay4 - Should be set equal to LoopDelay4

Loop Start

   Analyte New Sample
   Delay (sec) 1
   Next Sample
   Autosampler Probe Force Down

   Spectrometer Reference Scan
   Spectrometer Absorbance Scanning

   Delay (sec) 3   ' LoopDelay1 - Controls sample transit & loop empty. Controls back baseline.

   FIAlab Injection Valve Sample Load

   Delay (sec) 35   ' LoopDelay2 - Controls sample transit & loop fill. Controls back baseline.
```

```
    FIAlab1 Injection Valve Sample Inject
    Autosampler Probe Up
    Delay (sec) 5
    Autosampler Position (#) Rinse
    FIAlab2 Injection Valve Sample Inject

    Delay (sec) 10   ' LoopDelay3 - Controls loop empty & probe rinse time. Inverse controls front baseline.

    Autosampler Probe Up

    Delay (sec) 3   ' LoopDelay4 - Controls loop empty. Inverse controls front baseline.

    Spectrometer Stop Scanning

Loop End

Autosampler Position (#) Rinse
Delay (sec) 20
Autosampler Probe Up
Delay (sec) 30
FIAlab Peristaltic Pump Clockwise(%) 5
Autoexport Report C:\FIAlab\autoreport\NOxNO2\DateTime
Message Run is Complete
```

Method File Location: C:\FIAlab\FIAlab User Files\Methods\Method_NOx+NO2.fia

Quality Control

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: L2574244-01		
Matrix Spike	: WG2150321-4	**MS Analysis Date**	: 12/06/25 08:22
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	**Sample Conc. (mg/l)**	**Spike Added (mg/l)**	**Spike Conc. (mg/l)**	**%R**	**Spike Added (mg/l)**	**Spike Conc. (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Nitrogen, Nitrate/Nitrite	1.1	4	5.0	98					80-120	20

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: NA	**Analysis Date**	: 12/06/25 08:20
Dup Sample ID	: WG2150321-3	**DUP Analysis Date**	: 12/06/25 08:21

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Nitrate/Nitrite	1.1	1.1	0	20

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2150321-2	**LCS Analysis Date**	: 12/06/25 03:45
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Nitrogen, Nitrate/Nitrite	**5.00**	**5.10**	**102.**					**90-110**	**20**

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Nitrogen, Nitrate	14797-55-8	0.1	0.0228	mg/l	90-110		83-113	6	6	353.2	48 hours	1 - Plastic 250ml unpreserved
Nitrogen, Nitrate	14797-55-8	0.1	0.0228	mg/l	90-110		83-113	17	17	4500NO3-F	48 hours	1 - Plastic 250ml unpreserved
Nitrogen, Nitrite	NONE	0.05	0.0143	mg/l	90-110	20	80-120	20	20	353.2	48 hours	1 - Plastic 250ml unpreserved
Nitrogen, Nitrite	NONE	0.05	0.0143	mg/l	90-110	20	80-120	20	20	4500NO3-F	48 hours	1 - Plastic 250ml unpreserved

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

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Nitrogen, Nitrate	14797-55-8	1	0.261	mg/kg	90-110	20	80-120	20	20	4500NO3-F	48 hours	1 - Glass 250ml/8oz unpreserved
Nitrogen, Nitrite	NONE	1	0.282	mg/kg	90-110	20	80-120	20	20	4500NO3-F	48 hours	1 - Glass 250ml/8oz unpreserved

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

Calculations of Nitrogen, Nitrate

Aqueous Samples:
Compute sample N in NO3 concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

Calculate results by using reading on Channel 1 (NO3+NO2) and Channel 2 (NO2)

$$NO3\ mg/I = (NO3+NO2)\ mg/L - (NO2)\ mg/L$$

To compute final results for aqueous samples, multiply the direct reading by the dilution factor (also done using software)

$$(NO3)\text{-}N\ mg/L = mg/L\ direct\ reading \times dilution\ factor$$

Calculations of Nitrogen, Nitrite

Aqueous Samples:
Compute sample N in NO2 concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

Calculate results by using reading on Channel 2 (NO2)

To compute final results for aqueous samples, multiply the direct reading by the dilution factor (also done using software)

$$(NO2)\text{-}N\ mg/L = mg/L\ direct\ reading \times dilution\ factor$$

Sequence Logs

Graphical report generated by FIAsoft v3.1.10
Report generated on 2025-12-06 08:05:28
Data file (.dat): C:\FIAlab\Autosave Data\2025-12-06-080444.dat

Dataset Notes:

Analyst	

Dataset Notes Table Location: C:\FIAlab\FIAlab User Files\Tables\Dataset Notes\Analyst.csv

Sample Table:

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
1	Stabil	RS10	Unknown	0	1	1	1	
2	NOx 8.0ppm	RD76	Standard	1	1	1	1	
3	NOx 4.0ppm	RD77	Standard	2	1	1	1	
4	NOx 1.0ppm	RS1	Standard	3	1	1	1	
5	NOx 0.4ppm	RD78	Standard	4	1	1	1	
6	NOx 0.2ppm	RD79	Standard	5	1	1	1	
7	NOx 0.1ppm	RD80	Standard	6	1	1	1	
8	NOx 0.0ppm	RS10	Standard	7	1	1	1	
9	Nitrite 8.0ppm	RD81	Standard	8	1	1	1	
10	Nitrite 4.0ppm	RD82	Standard	9	1	1	1	
11	Nitrite 1.0ppm	RS2	Standard	10	1	1	1	
12	Nitrite 0.4ppm	RD83	Standard	11	1	1	1	
13	Nitrite 0.1ppm	RD84	Standard	13	1	1	1	
14	Nitrite 0.05ppm	RD85	Standard	14	1	1	1	
15	Nitrite 0.0ppm	RS10	Standard	15	1	1	1	
16	CCV NO3	RS1	QC	94	1	1	1	
17	CCV NO2	RS2	QC	95	1	1	1	
18	CCB	RS10	QC	96	1	1	1	
19	ICV NO3 5.0	RA1	QC	90	1	1	1	
20	ICV NO2 5.0	RA2	QC	92	1	1	1	
21	ICV NO3 0.5	RA3	QC	91	1	1	1	
22	ICV NO2 0.5	RA4	QC	93	1	1	1	
23	ICB	RA5	QC	96	1	1	1	
24	Diluter CHK 8PPM	RD1	Unknown	0	1	5	1	
25	BLANK NO3	RA7	Unknown	0	1	1	1	
26	LCS NO3	RA8	Unknown	0	1	1	1	
27	BLANK NO2	RA9	Unknown	0	1	1	1	
28	LCS NO2	RA10	Unknown	0	1	1	1	
29	CCV NO3	RS1	QC	94	1	1	1	
30	CCV NO2	RS2	QC	95	1	1	1	
31	CCB	RS10	QC	96	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
32	WG2150314-1	RA11	Unknown	0	1	1	1	
33	WG2150314-2	RA12	Unknown	0	1	1	1	
34	WG2150315-1	RA13	Unknown	0	1	1	1	
35	WG2150315-2	RA14	Unknown	0	1	1	1	
36	WG2150316-1	RA15	Unknown	0	1	1	1	
37	WG2150316-2	RA16	Unknown	0	1	1	1	
38	WG2150317-1	RA17	Unknown	0	1	1	1	
39	WG2150317-2	RA18	Unknown	0	1	1	1	
40	WG2150318/20-1	RA19	Unknown	0	1	1	1	
41	WG2150318/20-2	RA20	Unknown	0	1	1	1	
42	CCV NO3	RS1	QC	94	1	1	1	
43	CCV NO2	RS2	QC	95	1	1	1	
44	CCB	RS10	QC	96	1	1	1	
45	WG2150316-1	RA15	Unknown	0	1	1	1	
46	WG2150319-1	RA21	Unknown	0	1	1	1	
47	WG2150319-2	RA22	Unknown	0	1	1	1	
48	WG2150321-1	RA23	Unknown	0	1	1	1	
49	WG2150321-2	RA24	Unknown	0	1	1	1	
50	L2577227-01M	RA25	Unknown	0	1	1	1	
51	L2577227-02M	RA26	Unknown	0	1	1	1	
52	L2577243-01N	RA27	Unknown	0	1	1	1	
53	WG2150316-3	RA28	Unknown	0	1	1	1	
54	WG2150316-4	RA29	Unknown	0	1	1	1	
55	CCV NO3	RS1	QC	94	1	1	1	
56	CCV NO2	RS2	QC	95	1	1	1	
57	CCB	RS10	QC	96	1	1	1	
58	WG2150314-3	RA30	Unknown	0	1	1	1	
59	WG2150314-4	RA31	Unknown	0	1	1	1	
60	L2577243-02N	RA32	Unknown	0	1	1	1	
61	L2577243-03N	RA33	Unknown	0	1	1	1	
62	L2577243-04N	RA34	Unknown	0	1	1	1	
63	L2577243-05N	RA35	Unknown	0	1	1	1	
64	L2577439-01A	RA36	Unknown	0	1	1	1	
65	WG2150316-5	RA37	Unknown	0	1	1	1	
66	WG2150316-6	RA38	Unknown	0	1	1	1	
67	WG2150314-5	RA39	Unknown	0	1	1	1	
68	CCV NO3	RS1	QC	94	1	1	1	
69	CCV NO2	RS2	QC	95	1	1	1	
70	CCB	RS10	QC	96	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
71	WG2150314-6	RA40	Unknown	0	1	1	1	
72	L2577535-01E	RA41	Unknown	0	1	1	1	
73	L2577538-01E	RA42	Unknown	0	1	1	1	
74	L2577539-01E	RA43	Unknown	0	1	1	1	
75	L2577543-01E	RA44	Unknown	0	1	1	1	
76	L2577544-01E	RA45	Unknown	0	1	1	1	
77	L2577545-01A	RA46	Unknown	0	1	1	1	
78	L2577632-01D	RA47	Unknown	0	1	1	1	
79	L2577632-02D	RA48	Unknown	0	1	1	1	
80	L2577632-03D	RA49	Unknown	0	1	1	1	
81	CCV NO3	RS1	QC	94	1	1	1	
82	CCV NO2	RS2	QC	95	1	1	1	
83	CCB	RS10	QC	96	1	1	1	
84	L2577632-04D	RA50	Unknown	0	1	1	1	
85	L2577373-01E	RA51	Unknown	0	1	1	1	
86	L2577373-02D	RA52	Unknown	0	1	1	1	
87	L2577373-03D	RA53	Unknown	0	1	1	1	
88	L2577168-01F	RA54	Unknown	0	1	1	1	
89	WG2150317-3	RA55	Unknown	0	1	1	1	
90	WG2150317-4	RA56	Unknown	0	1	1	1	
91	L2577168-02F	RA57	Unknown	0	1	1	1	
92	L2577168-03F	RA58	Unknown	0	1	1	1	
93	L2577168-04F	RA59	Unknown	0	1	1	1	
94	CCV NO3	RS1	QC	94	1	1	1	
95	CCV NO2	RS2	QC	95	1	1	1	
96	CCB	RS10	QC	96	1	1	1	
97	L2577168-05F	RA60	Unknown	0	1	1	1	
98	L2577168-06F	RA61	Unknown	0	1	1	1	
99	L2577168-07F	RA62	Unknown	0	1	1	1	
100	L2577168-08F	RA63	Unknown	0	1	1	1	
101	L2577228-01G	RA64	Unknown	0	1	1	1	
102	WG2150317-5	RA65	Unknown	0	1	1	1	
103	WG2150317-6	RA66	Unknown	0	1	1	1	
104	L2577228-02G	RA67	Unknown	0	1	1	1	
105	L2577228-03G	RA68	Unknown	0	1	1	1	
106	L2577228-04G	RA69	Unknown	0	1	1	1	
107	CCV NO3	RS1	QC	94	1	1	1	
108	CCV NO2	RS2	QC	95	1	1	1	
109	CCB	RS10	QC	96	1	1	1	
110	L2577228-05G	RA70	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
111	L2577228-06G	RA71	Unknown	0	1	1	1	
112	L2577228-07G	RA72	Unknown	0	1	1	1	
113	L2577228-08G	RA73	Unknown	0	1	1	1	
114	L2577228-09G	RA74	Unknown	0	1	1	1	
115	L2577228-10G	RA75	Unknown	0	1	1	1	
116	L2577228-11G	RA76	Unknown	0	1	1	1	
117	L2577229-01H	RA77	Unknown	0	1	1	1	
118	L2577425-01A	RA78	Unknown	0	1	1	1	
119	WG2150318-3	RA79	Unknown	0	1	1	1	
120	CCV NO3	RS1	QC	94	1	1	1	
121	CCV NO2	RS2	QC	95	1	1	1	
122	CCB	RS10	QC	96	1	1	1	
123	WG2150318-4	RA80	Unknown	0	1	1	1	
124	WG2150315-3	RA81	Unknown	0	1	1	1	
125	WG2150315-4	RA82	Unknown	0	1	1	1	
126	L2577425-02A	RA83	Unknown	0	1	1	1	
127	L2577425-03A	RA84	Unknown	0	1	1	1	
128	L2577425-04A	RA85	Unknown	0	1	1	1	
129	L2577425-05C	RA86	Unknown	0	1	1	1	
130	L2577425-06C	RA87	Unknown	0	1	1	1	
131	L2577425-07C	RA88	Unknown	0	1	1	1	
132	L2577554-01H	RA89	Unknown	0	1	1	1	
133	CCV NO3	RS1	QC	94	1	1	1	
134	CCV NO2	RS2	QC	95	1	1	1	
135	CCB	RS10	QC	96	1	1	1	
136	L2577554-02H	RA90	Unknown	0	1	1	1	
137	L2577016-01A	RB1	Unknown	0	1	1	1	
138	L2577213-03H	RB2	Unknown	0	1	1	1	
139	L2577213-04H	RB3	Unknown	0	1	1	1	
140	L2577213-14H	RB4	Unknown	0	1	1	1	
141	L2577213-16I	RB5	Unknown	0	1	1	1	
142	WG2150319-3	RB6	Unknown	0	1	1	1	
143	WG2150319-4	RB7	Unknown	0	1	1	1	
144	L2577213-17I	RB8	Unknown	0	1	1	1	
145	L2577528-02C	RB9	Unknown	0	1	1	1	
146	CCV NO3	RS1	QC	94	1	1	1	
147	CCV NO2	RS2	QC	95	1	1	1	
148	CCB	RS10	QC	96	1	1	1	
149	L2577552-01E	RB10	Unknown	0	1	1	1	
150	L2577552-02J	RB11	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
151	WG2150335-3	RB12	Unknown	0	1	1	1	
152	WG2150335-4	RB13	Unknown	0	1	1	1	
153	L2577552-03J	RB14	Unknown	0	1	1	1	
154	L2577552-04J	RB15	Unknown	0	1	1	1	
155	L2577552-05J	RB16	Unknown	0	1	1	1	
156	L2577552-06J	RB17	Unknown	0	1	1	1	
157	L2577552-07J	RB18	Unknown	0	1	1	1	
158	L2577552-08J	RB19	Unknown	0	1	1	1	
159	CCV NO3	RS1	QC	94	1	1	1	
160	CCV NO2	RS2	QC	95	1	1	1	
161	CCB	RS10	QC	96	1	1	1	
162	L2577522-01G	RB20	Unknown	0	1	1	1	
163	WG2150338-1	RB21	Unknown	0	1	1	1	
164	WG2150338-2	RB22	Unknown	0	1	1	1	
165	L2577335-43L	RB23	Unknown	0	1	1	1	
166	WG2150338-3	RB24	Unknown	0	1	1	1	
167	WG2150338-4	RB25	Unknown	0	1	1	1	
168	L2577335-44O	RB26	Unknown	0	1	1	1	
169	L2577335-45O	RB27	Unknown	0	1	1	1	
170	L2577335-46O	RB28	Unknown	0	1	1	1	
171	L2577335-47O	RB29	Unknown	0	1	1	1	
172	CCV NO3	RS1	QC	94	1	1	1	
173	CCV NO2	RS2	QC	95	1	1	1	
174	CCB	RS10	QC	96	1	1	1	
175	L2577335-48L	RB30	Unknown	0	1	1	1	
176	L2577335-49O	RB31	Unknown	0	1	1	1	
177	L2577335-51L	RB32	Unknown	0	1	1	1	
178	L2577335-52O	RB33	Unknown	0	1	1	1	
179	L2577335-53O	RB34	Unknown	0	1	1	1	
180	L2577335-54O	RB35	Unknown	0	1	1	1	
181	L2576667-01B	RB36	Unknown	0	1	1	1	
182	WG2150320-3	RB37	Unknown	0	1	1	1	
183	WG2150320-4	RB38	Unknown	0	1	1	1	
184	L2576667-02B	RB39	Unknown	0	1	1	1	
185	CCV NO3	RS1	QC	94	1	1	1	
186	CCV NO2	RS2	QC	95	1	1	1	
187	CCB	RS10	QC	96	1	1	1	
188	L2575658-02A	RB40	Unknown	0	1	1	1	
189	L2575658-04A	RB41	Unknown	0	1	1	1	
190	L2575658-07A	RB42	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
191	L2577335-43L	RB23	Unknown	0	1	1	1	
192	WG2150338-3	RB24	Unknown	0	1	1	1	
193	WG2150338-4	RB25	Unknown	0	1	1	1	
194	L2577545-01A	RA46	Unknown	0	1	1	1	
195	L2577168-03F	RA58	Unknown	0	1	1	1	
196	L2577213-03H	RB2	Unknown	0	1	1	1	
197	L2575658-04A	RB41	Unknown	0	1	1	1	
198	CCV NO3	RS1	QC	94	1	1	1	
199	CCV NO2	RS2	QC	95	1	1	1	
200	CCB	RS10	QC	96	1	1	1	
201	L2576040-01C	RB43	Unknown	0	1	1	1	
202	L2576040-02C	RB44	Unknown	0	1	1	1	
203	L2576040-03C	RB45	Unknown	0	1	1	1	
204	L2576040-04C	RB46	Unknown	0	1	1	1	
205	L2576786-01B	RB47	Unknown	0	1	1	1	
206	L2577335-43L	RB23	Unknown	0	1	1	1	
207	CCV NO3	RS1	QC	94	1	1	1	
208	CCV NO2	RS2	QC	95	1	1	1	
209	CCB	RS10	QC	96	1	1	1	
210	_spacer_	SP0	Unknown	0	1	1	1	
211	_spacer_	SP0	Unknown	0	1	1	1	
212	L2577544-01E	RD2	Unknown	0	1	5	1	
213	L2577168-02F	RD3	Unknown	0	1	5	1	
214	L2577016-01A	RD4	Unknown	0	1	5	1	
215	L2575658-02A	RD5	Unknown	0	1	5	1	
216	L2575658-07A	RD6	Unknown	0	1	5	1	
217	CCV NO3	RS1	QC	94	1	1	1	
218	CCV NO2	RS2	QC	95	1	1	1	
219	CCB	RS10	QC	96	1	1	1	

Sample Table Location: C:\FIAlab\FIAlab User Files\Tables\Sample Tables\QC bracket NOxNO2.csv

Graphical report generated by FIAsoft v3.1.10
Report generated on 2025-12-06 08:55:57
Data file (.dat): C:\FIAlab\Autosave Data\2025-12-06-085525.dat

Dataset Notes:

Analyst	

Dataset Notes Table Location: C:\FIAlab\FIAlab User Files\Tables\Dataset Notes\Analyst.csv

Sample Table:

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
1	Stabil	RS10	Unknown	0	1	1	1	
2	CCV NO3	RS1	QC	94	1	1	1	
3	CCV NO2	RS2	QC	95	1	1	1	
4	CCB	RS10	QC	96	1	1	1	
5	L2574244-01F	RB48	Unknown	0	1	1	1	
6	WG2150321-3	RB49	Unknown	0	1	1	1	
7	WG2150321-4	RB50	Unknown	0	1	1	1	
8	L2574244-02F	RB51	Unknown	0	1	1	1	
9	L2574244-03F	RB52	Unknown	0	1	1	1	
10	L2574244-04F	RB53	Unknown	0	1	1	1	
11	L2574244-05F	RB54	Unknown	0	1	1	1	
12	L2574244-06F	RB55	Unknown	0	1	1	1	
13	L2574398-06D	RB56	Unknown	0	1	1	1	
14	L2574409-01N	RB57	Unknown	0	1	1	1	
15	CCV NO3	RS1	QC	94	1	1	1	
16	CCV NO2	RS2	QC	95	1	1	1	
17	CCB	RS10	QC	96	1	1	1	
18	L2574752-01L	RB58	Unknown	0	1	1	1	
19	L2575154-01P	RB59	Unknown	0	1	1	1	
20	L2575156-01M	RB60	Unknown	0	1	1	1	
21	L2575576-01N	RB61	Unknown	0	1	1	1	
22	L2575576-02N	RB62	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
23	L2575576-03N	RB63	Unknown	0	1	1	1	
24	L2575576-04N	RB64	Unknown	0	1	1	1	
25	L2575576-05N	RB65	Unknown	0	1	1	1	
26	L2575576-06N	RB66	Unknown	0	1	1	1	
27	L2575748-01A	RB67	Unknown	0	1	1	1	
28	CCV NO3	RS1	QC	94	1	1	1	
29	CCV NO2	RS2	QC	95	1	1	1	
30	CCB	RS10	QC	96	1	1	1	
31	L2575748-02A	RB68	Unknown	0	1	1	1	
32	L2575748-03A	RB69	Unknown	0	1	1	1	
33	CCV NO3	RS1	QC	94	1	1	1	
34	CCV NO2	RS2	QC	95	1	1	1	
35	CCB	RS10	QC	96	1	1	1	

Sample Table Location: C:\FIAlab\FIAlab User Files\Tables\Sample Tables\Prepared Standards_2024-03-26-102432.csv

Total Organic Carbon Analysis

Results

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2575576
Project Name	:	1000 TURK HILL RD GWS	Project Number	:	3113.0001Y000
Lab ID	:	L2575576-01	Date Collected	:	11/25/25 14:30
Client ID	:	MW-2S	Date Received	:	11/25/25
Sample Location	:	FAIRPORT, NY	Date Analyzed	:	12/03/25 00:32
Sample Matrix	:	WATER	Dilution Factor	:	400
Analytical Method	:	1,9060A	Analyst	:	DEW
Lab File ID	:	wg2148764.csv	Instrument ID	:	
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7440-44-0	Total Organic Carbon	1300	200	39.	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2575576
Project Name	:	1000 TURK HILL RD GWS	Project Number	:	3113.0001Y000
Lab ID	:	L2575576-02	Date Collected	:	11/25/25 10:35
Client ID	:	MW-2M	Date Received	:	11/25/25
Sample Location	:	FAIRPORT, NY	Date Analyzed	:	12/03/25 00:32
Sample Matrix	:	WATER	Dilution Factor	:	400
Analytical Method	:	1,9060A	Analyst	:	DEW
Lab File ID	:	wg2148764.csv	Instrument ID	:	
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7440-44-0	Total Organic Carbon	330	200	39.	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575576-03	**Date Collected**	: 11/25/25 13:45
Client ID	: MW-16S	**Date Received**	: 11/25/25
Sample Location	: FAIRPORT, NY	**Date Analyzed**	: 12/03/25 00:32
Sample Matrix	: WATER	**Dilution Factor**	: 40
Analytical Method	: 1,9060A	**Analyst**	: DEW
Lab File ID	: wg2148764.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	92.	20	3.9	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2575576
Project Name	:	1000 TURK HILL RD GWS	Project Number	:	3113.0001Y000
Lab ID	:	L2575576-04	Date Collected	:	11/25/25 12:15
Client ID	:	RXMW-9S	Date Received	:	11/25/25
Sample Location	:	FAIRPORT, NY	Date Analyzed	:	12/04/25 05:32
Sample Matrix	:	WATER	Dilution Factor	:	10
Analytical Method	:	1,9060A	Analyst	:	SMD
Lab File ID	:	wg2149634.csv	Instrument ID	:	
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7440-44-0	Total Organic Carbon	15.	5.0	0.97	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575576-05	**Date Collected**	: 11/25/25 09:45
Client ID	: MW-35M	**Date Received**	: 11/25/25
Sample Location	: FAIRPORT, NY	**Date Analyzed**	: 12/03/25 00:32
Sample Matrix	: WATER	**Dilution Factor**	: 40
Analytical Method	: 1,9060A	**Analyst**	: DEW
Lab File ID	: wg2148764.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	28.	20	3.9	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575576-06	**Date Collected**	: 11/25/25 09:00
Client ID	: DUP-112525	**Date Received**	: 11/25/25
Sample Location	: FAIRPORT, NY	**Date Analyzed**	: 12/03/25 00:32
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9060A	**Analyst**	: DEW
Lab File ID	: wg2148764.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	4.9	0.50	0.09	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2148764-1	**Date Collected**	: NA
Client ID	: WG2148764-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/03/25 00:32
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9060A	**Analyst**	: DEW
Lab File ID	: wg2148764.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	ND	0.50	0.09	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2148764-3	**Date Collected**	: 11/24/25 12:15
Client ID	: WG2148764-3 DUP	**Date Received**	: 11/25/25
Sample Location	:	**Date Analyzed**	: 12/03/25 00:32
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9060A	**Analyst**	: dew
Lab File ID	: wg2148764.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	1.2	0.50	0.10	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2148764-5	**Date Collected**	: 11/24/25 10:45
Client ID	: WG2148764-5 DUP	**Date Received**	: 11/25/25
Sample Location	:	**Date Analyzed**	: 12/03/25 00:32
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9060A	**Analyst**	: dew
Lab File ID	: wg2148764.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	0.36	0.50	0.10	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2149634-1	**Date Collected**	: NA
Client ID	: WG2149634-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/04/25 05:32
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9060A	**Analyst**	: SMD
Lab File ID	: wg2149634.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	ND	0.50	0.09	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2149634-4	**Date Collected**	: 12/03/25 14:10
Client ID	: WG2149634-4 DUP	**Date Received**	: 12/03/25
Sample Location	:	**Date Analyzed**	: 12/04/25 05:32
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9060A	**Analyst**	: smd
Lab File ID	: wg2149634.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-44-0	Total Organic Carbon	5.4	0.50	0.10	

TOC3 7/19/25 DEW

Cal. Curve

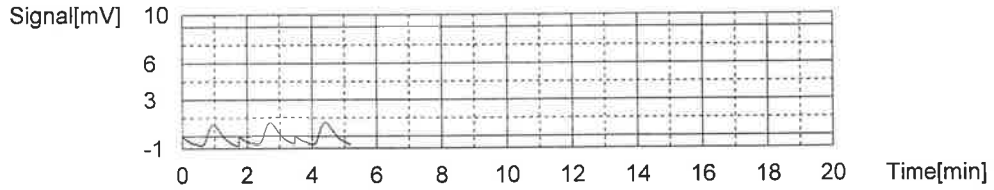
Sample Name: 07192025 TOC3 CURVE
Sample ID:
Cal. Curve: 07192025 TOC3 CURVE.2025_07_18_23_54_48.cal
Status Completed

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	5.314	2500uL	1	*******		7/19/2025 12:05:27 AM
2	5.194	2500uL	1	*******		7/19/2025 12:10:21 AM
3	5.599	2500uL	1	*******		7/19/2025 12:15:19 AM

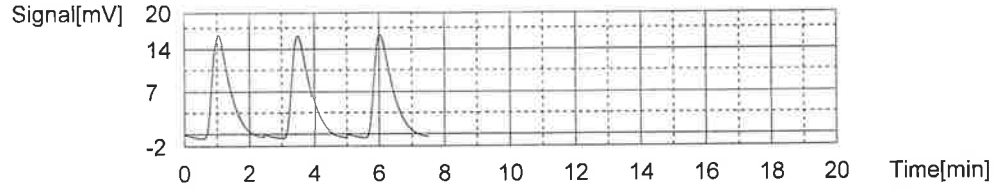
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 5.369



Conc: 0.5000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	65.54	2500uL	1	*******		7/19/2025 12:26:42 AM
2	66.96	2500uL	1	*******		7/19/2025 12:31:20 AM
3	67.61	2500uL	1	*******		7/19/2025 12:35:57 AM

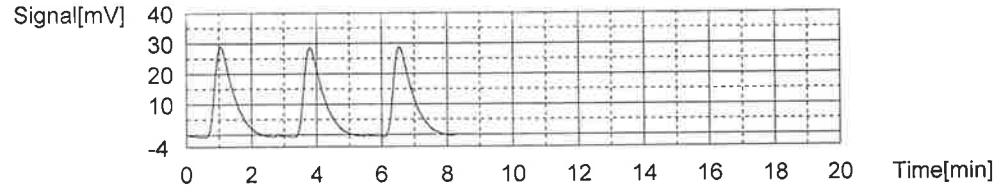
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 66.70



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	120.6	2500uL	1	*******		7/19/2025 12:47:35 AM
2	120.9	2500uL	1	*******		7/19/2025 12:52:26 AM
3	120.9	2500uL	1	*******		7/19/2025 12:57:17 AM

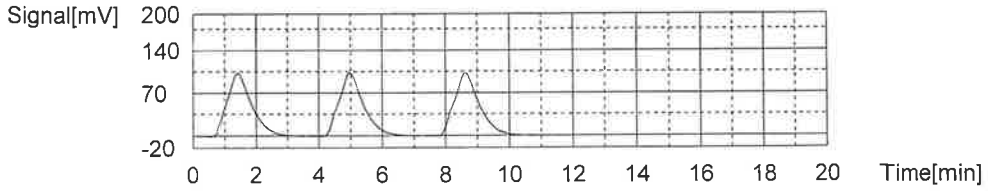
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 120.8



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	570.5	2500uL	1	*******		7/19/2025 1:09:44 AM
2	573.1	2500uL	1	*******		7/19/2025 1:15:28 AM
3	574.1	2500uL	1	*******		7/19/2025 1:21:12 AM

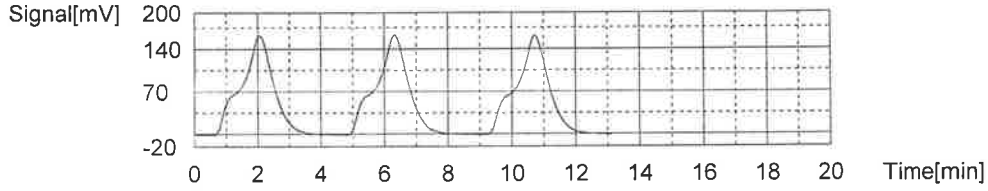
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 572.6



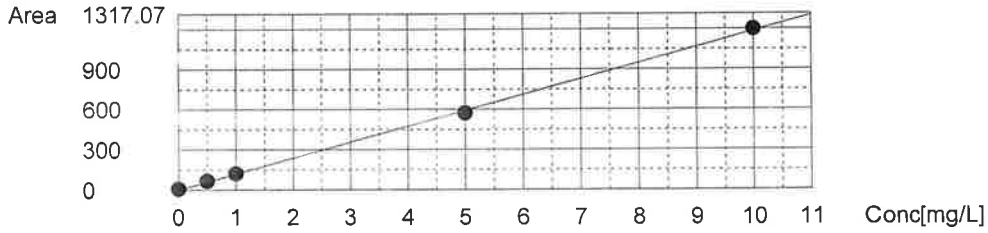
Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1193	2500uL	1	*******		7/19/2025 1:34:21 AM
2	1199	2500uL	1	*******		7/19/2025 1:40:50 AM
3	1200	2500uL	1	*******		7/19/2025 1:47:27 AM

Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 1197



Slope: 118.6
Intercept 1.281
r^2 0.999379
r 0.999689
Zero Shift No



conc.	A-	Avg Im	%
0	5.369		
0.5	66.7	0.552	110
1.0	120.8	1.008	101
5.0	572.6	4.82	96
10.0	1197	10.08	101

Instr.Information

System TOC4
Instrument Options TOC/ASI/Sparge Kit/

TOC4 DMW 111825 111825 DMW

Cal. Curve

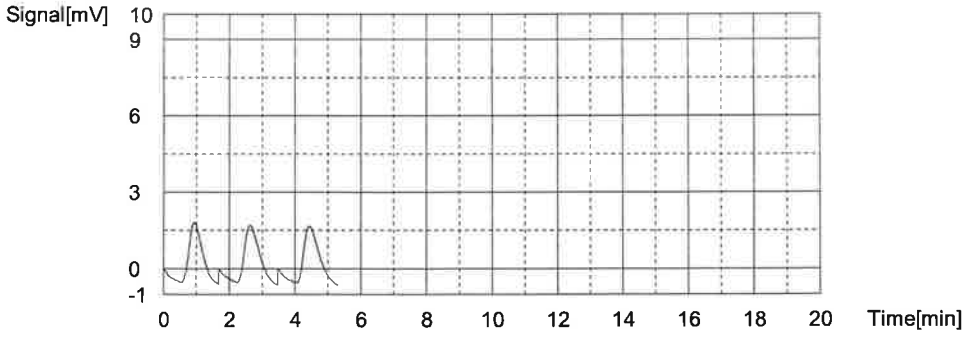
Sample Name: 11182025 TOC4 CURVE
Sample ID:
Cal. Curve: 11182025 TOC4 CURVE.2025_11_18_00_24_28.cal
Status Completed

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut Dil.	Rem.	Ex.	Date / Time
1	6.562	500uL	1	*******		11/18/2025 12:3
2	6.975	500uL	1	*******		11/18/2025 12:3
3	7.315	500uL	1	*******		11/18/2025 12:4

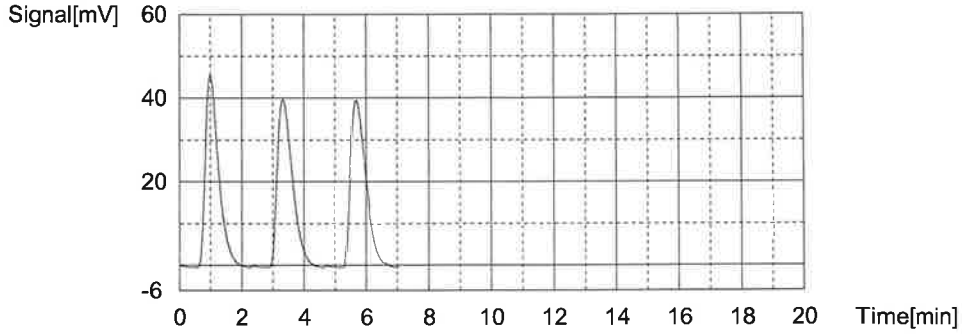
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 6.951



Conc: 0.5000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	141.7	500uL	1	*******		11/18/2025 12:5
2	142.8	500uL	1	*******		11/18/2025 12:5
3	143.8	500uL	1	*******		11/18/2025 1:03

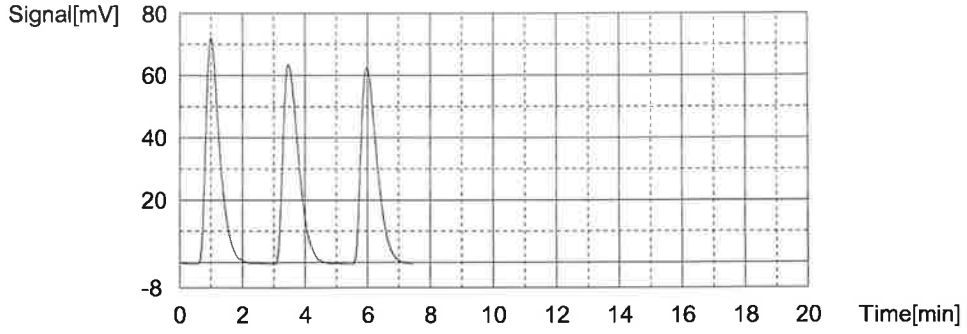
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 142.8



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	230.7	500uL	1	*******		11/18/2025 1:14
2	231.3	500uL	1	*******		11/18/2025 1:19
3	232.3	500uL	1	*******		11/18/2025 1:23

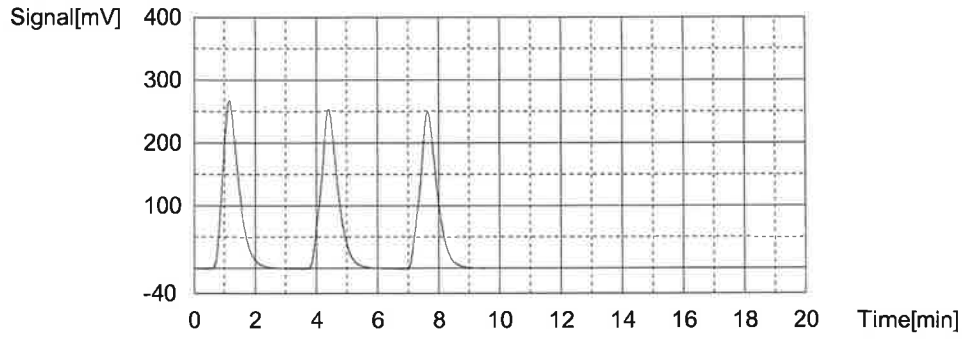
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 231.4



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1001	500uL	1	*******		11/18/2025 1:3
2	1006	500uL	1	*******		11/18/2025 1:4
3	1004	500uL	1	*******		11/18/2025 1:4

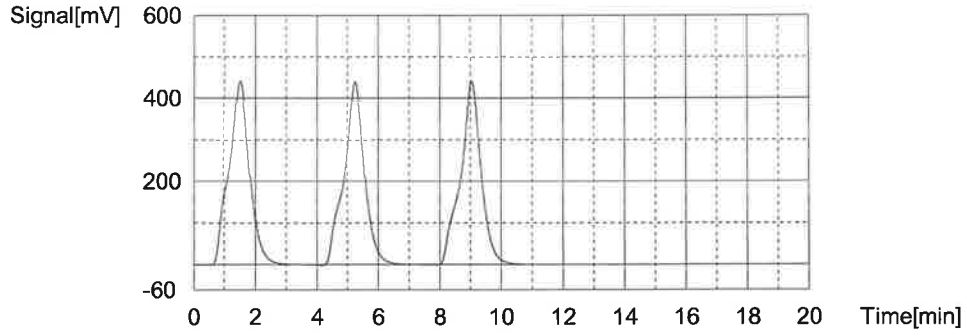
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 1004



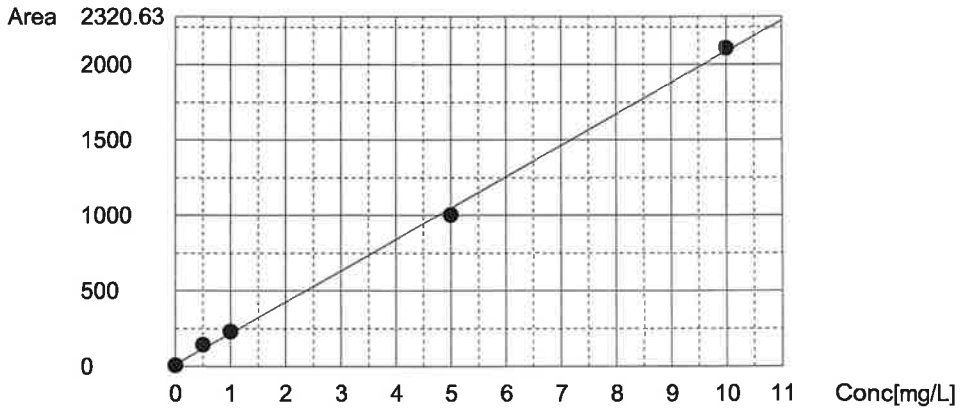
Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	2107	500uL	1	*******		11/18/2025 1:5
2	2097	500uL	1	*******		11/18/2025 2:0
3	2125	500uL	1	*******		11/18/2025 2:1

Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 2110



Slope: 207.3 m
Intercept 14.72 y
r^2 0.9989
r 0.9994
Zero ShiftNo



Conc.	A	A-ymn	%
0	4.951	0.618	124
0.5	142.8	~~0.617~~	~~119~~ X
1.0	231.4	1.05	105
5.0	1004	4.77	95
10.0	2110	10.11	101

√ smw

Sample Raw Data

Instr.Information

System	TOC4
Instrument Options	TOC/ASI/Sparge Kit/

Sample

Sample Name:	DI
Sample ID:	
Origin:	4 Rep.met
Status	Completed
Chk. Result	

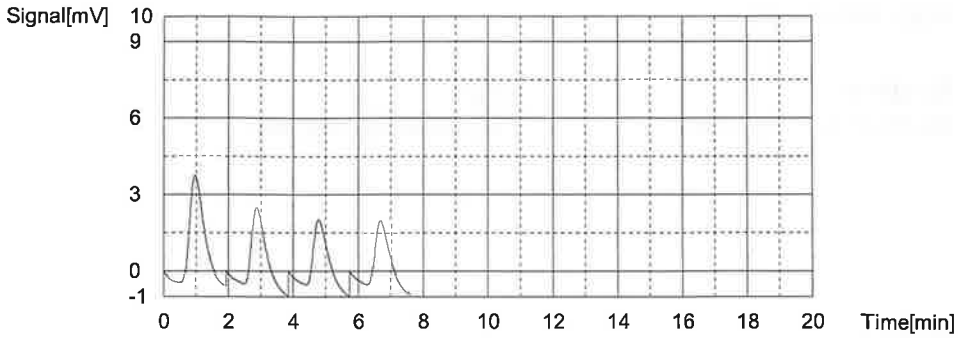
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.02209mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.710	0487mg/L	500uL	1		11182025 TOC4 CURVE....	12/2/2025 11:43
2	9.885	2332mg/L	500uL	1		11182025 TOC4 CURVE....	12/2/2025 11:48
3	8.576	2964mg/L	500uL	1		11182025 TOC4 CURVE....	12/2/2025 11:52
4	8.388	3054mg/L	500uL	1		11182025 TOC4 CURVE....	12/2/2025 11:56

Mean Area 10.14
Mean Conc. -0.02209r



Sample

Sample Name: IC CK STD
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

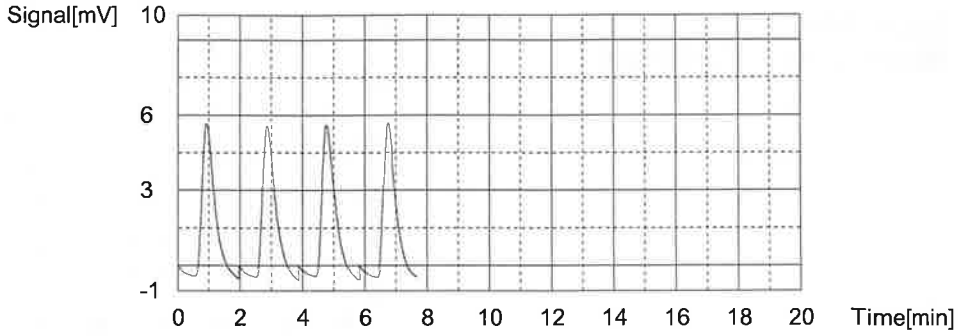
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.01471mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	17.96	01563mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 12:0
2	17.75	01461mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 12:1
3	18.01	01587mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 12:1
4	17.36	01273mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 12:2

Mean Area 17.77
Mean Conc. 0.01471m



Sample

Sample Name: ICV
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

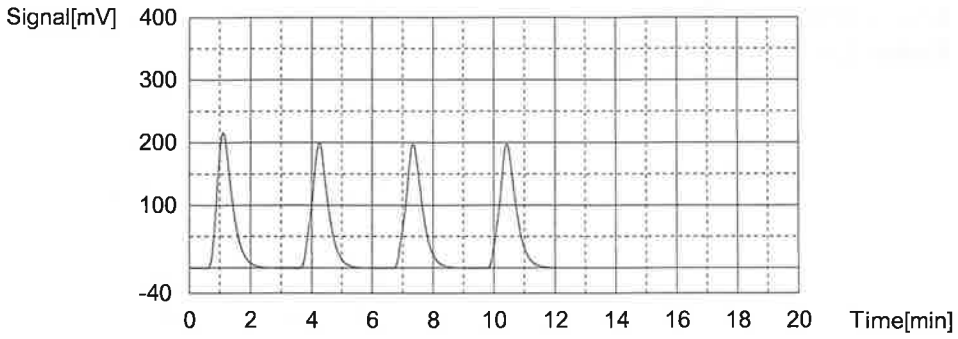
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:3.669mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	773.9	3.662mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 12:3
2	776.1	3.672mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 12:3
3	776.0	3.672mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 12:4
4	775.2	3.668mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 12:4

Mean Area 775.3
Mean Conc. 3.669mg/l



Sample

Sample Name: ICB
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

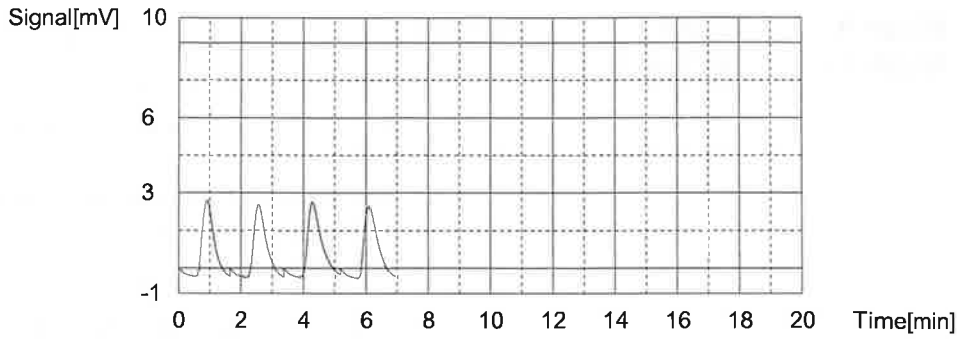
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.03144mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.650	3410mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 12:5
2	8.039	3223mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 1:02:
3	8.802	2855mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 1:06:
4	8.321	3087mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 1:11:

Mean Area 8.203
Mean Conc. -0.03144r



Sample

Sample Name: MB
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

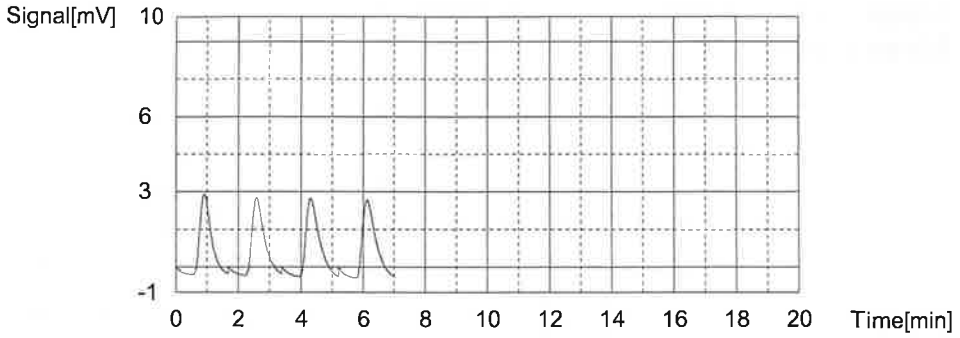
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.02881mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.086	03200mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 1:21:
2	8.524	02989mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 1:25:
3	9.244	02641mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 1:30:
4	9.138	02693mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 1:34:

Mean Area 8.748
Mean Conc. -0.02881r



Sample

Sample Name: LCS
Sample ID: X
Origin: 4 Rep.met
Status Completed
Chk. Result

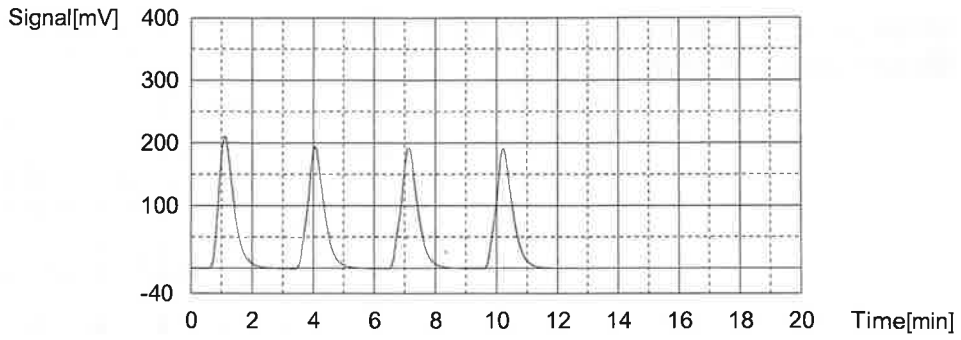
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:3.565mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	752.5	3.559mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 1:45:
2	756.4	3.577mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 1:51:
3	755.8	3.574mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 1:56:
4	750.9	3.551mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 2:01:

Mean Area 753.9
Mean Conc. 3.565mg/l



Sample

Sample Name: LCS RR
Sample ID: 90%
Origin: 4 Rep.met
Status Completed
Chk. Result

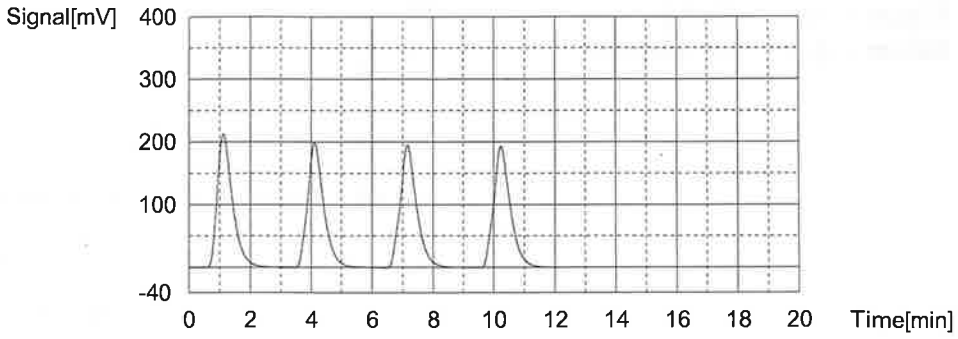
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:3.599mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	763.1	3.610mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 2:48:
2	762.1	3.605mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 2:53:
3	761.9	3.604mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 2:58:
4	756.4	3.577mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 3:03:

Mean Area 760.9
Mean Conc. 3.599mg/l



Sample

Sample Name: 75403-02
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

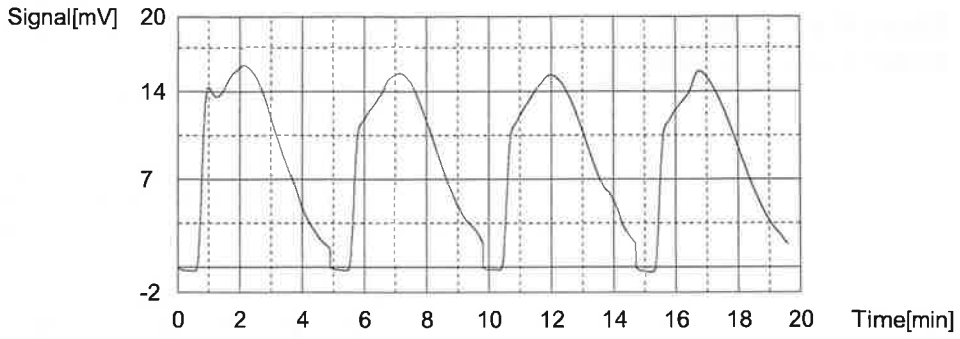
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.101mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	252.4	1.146mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 4:06:
2	242.1	1.097mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 4:14:
3	239.7	1.085mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 4:22:
4	237.5	1.075mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 4:29:

Mean Area 242.9
Mean Conc. 1.101mg/l



Sample

Sample Name: 75403-04
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

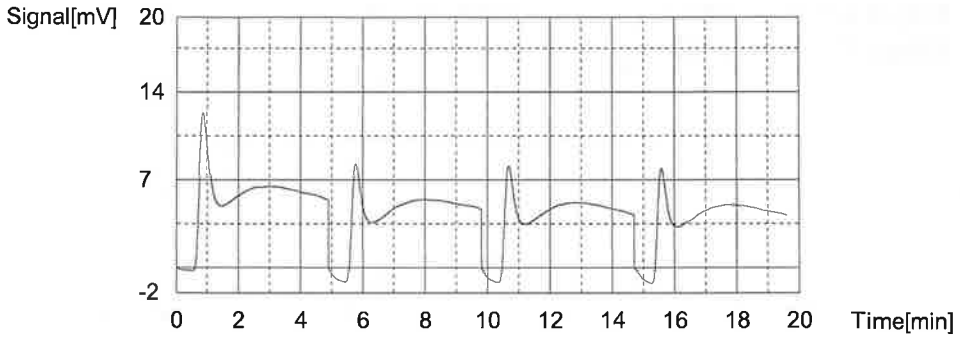
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3412mg/L

1. Det

Anal.: NPOC

No	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	95.44	.3893mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 4:43:
2	83.48	.3316mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 4:51:
3	82.56	.3272mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 4:59:
4	80.36	.3166mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 5:07:

Mean Area 85.46
Mean Conc. 0.3412mg



Sample

Sample Name: 75403-05
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

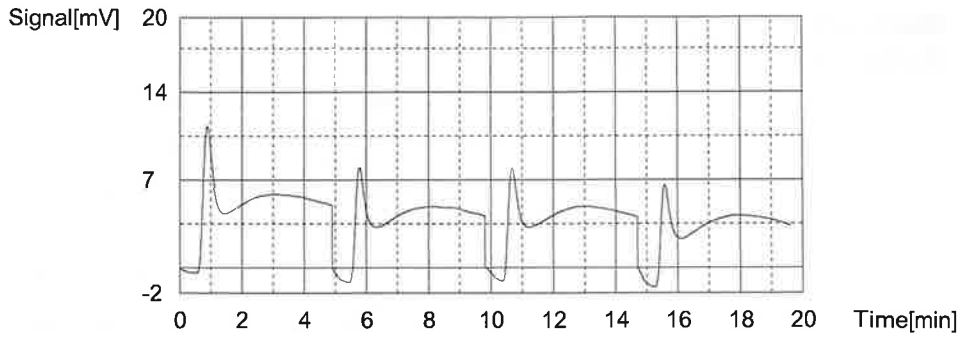
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3059mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	87.41	.3506mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 5:21:
2	77.79	.3042mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 5:29:
3	75.66	.2939mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 5:36:
4	71.68	.2747mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 5:44:

Mean Area 78.14
Mean Conc. 0.3059mg



Sample

Sample Name: 75470-01
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

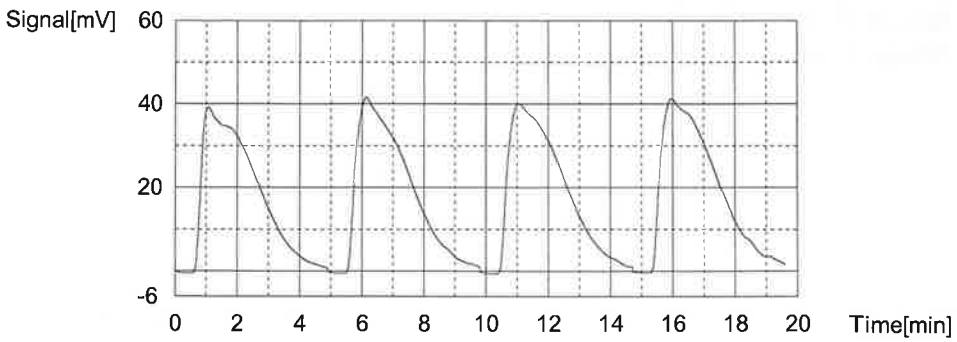
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:2.316mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	478.4	2.236mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 5:58:
2	491.5	2.300mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 6:06:
3	498.6	2.334mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 6:13:
4	511.3	2.395mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 6:20:

Mean Area 494.9
Mean Conc. 2.316mg/l



Sample

Sample Name: 75470-02
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

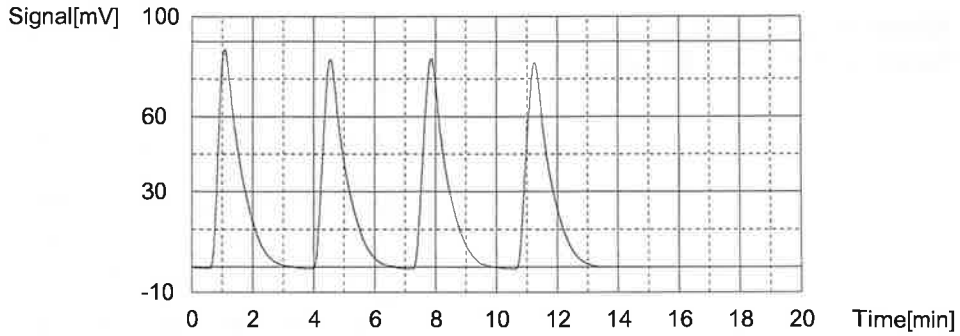
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:2.044mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	439.8	2.050mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 6:32:
2	434.6	2.025mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 6:38:
3	439.2	2.047mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 6:43:
4	440.6	2.054mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 6:49:

Mean Area 438.6
Mean Conc. 2.044mg/l



Sample

Sample Name: 75470-03
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

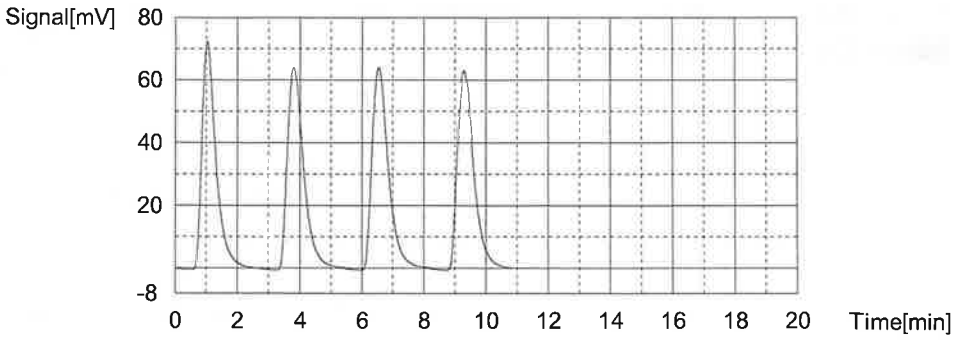
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.097mg/L

1. Det

Anal.: NPOC

No	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	237.5	1.075mg/L	500uL	1		11182025 TOC4 CURVE.:	12/3/2025 7:00:
2	241.1	1.092mg/L	500uL	1		11182025 TOC4 CURVE.:	12/3/2025 7:05:
3	246.6	1.118mg/L	500uL	1		11182025 TOC4 CURVE.:	12/3/2025 7:10:
4	243.4	1.103mg/L	500uL	1		11182025 TOC4 CURVE.:	12/3/2025 7:15:

Mean Area 242.2
Mean Conc. 1.097mg/l



Sample

Sample Name: 75470-04
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

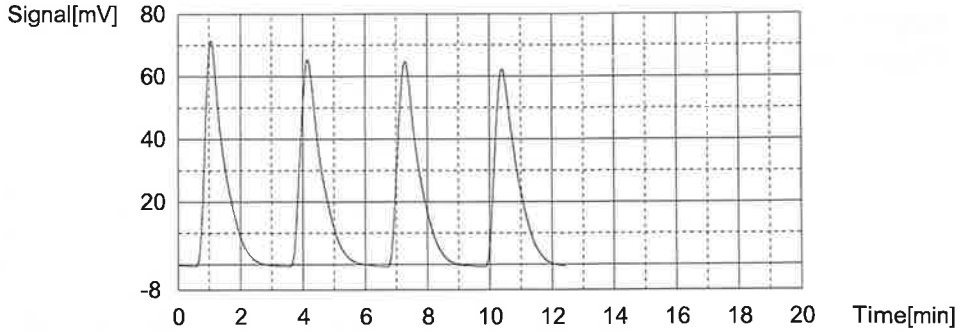
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.449mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	311.7	1.432mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 7:26:
2	314.1	1.444mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 7:31:
3	317.5	1.460mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 7:37:
4	316.9	1.458mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 7:42:

Mean Area 315.1
Mean Conc. 1.449mg/l



Sample

Sample Name: CCV
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

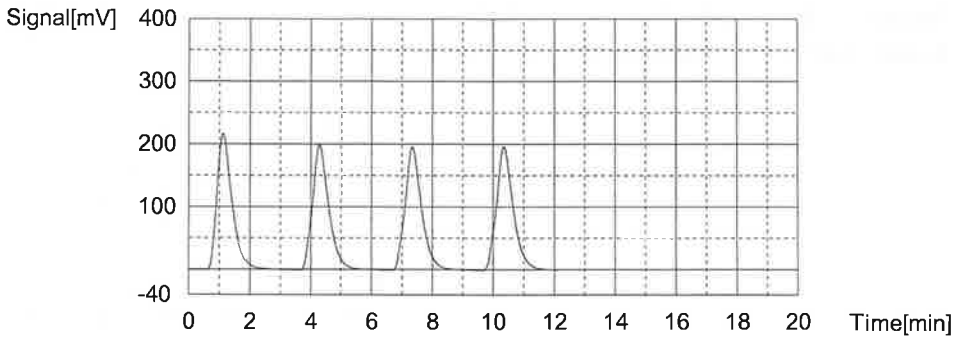
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:3.663mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	777.0	3.677mg/L	500uL	1		11182025 TOC4 CURVE.:	12/3/2025 8:11:
2	773.0	3.657mg/L	500uL	1		11182025 TOC4 CURVE.:	12/3/2025 8:16:
3	770.2	3.644mg/L	500uL	1		11182025 TOC4 CURVE.:	12/3/2025 8:21:
4	776.6	3.675mg/L	500uL	1		11182025 TOC4 CURVE.:	12/3/2025 8:26:

Mean Area 774.2
Mean Conc. 3.663mg/l



Sample

Sample Name: CCB
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

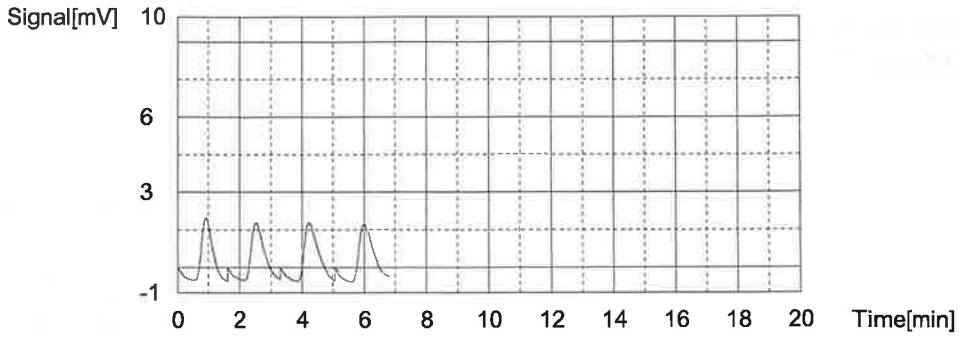
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.03897mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.181	04119mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 8:36:
2	6.584	03924mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 8:41:
3	7.339	03560mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 8:45:
4	6.457	03986mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 8:49:

Mean Area 6.640
Mean Conc. -0.03897r



Sample

Sample Name: 75576-01 4X
Sample ID: X
Origin: 4 Rep.met
Status Aborted
Chk. Result

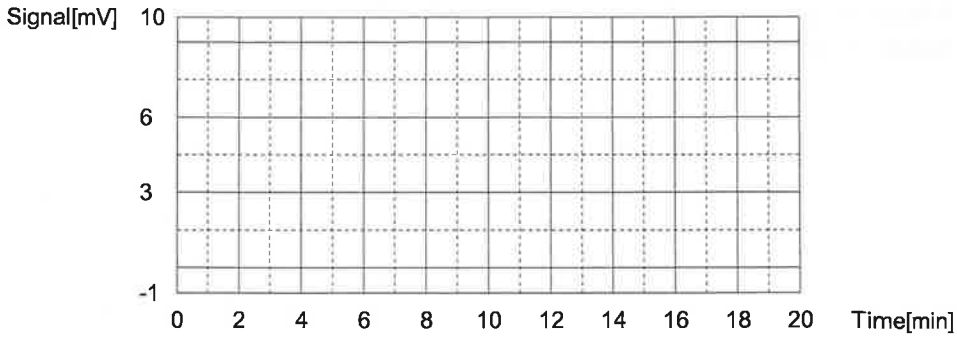
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.000mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time

Mean Area 0.000
Mean Conc. 0.000mg/l



Sample

Sample Name: 75576-02 4X
Sample ID: X
Origin: 4 Rep.met
Status Aborted
Chk. Result

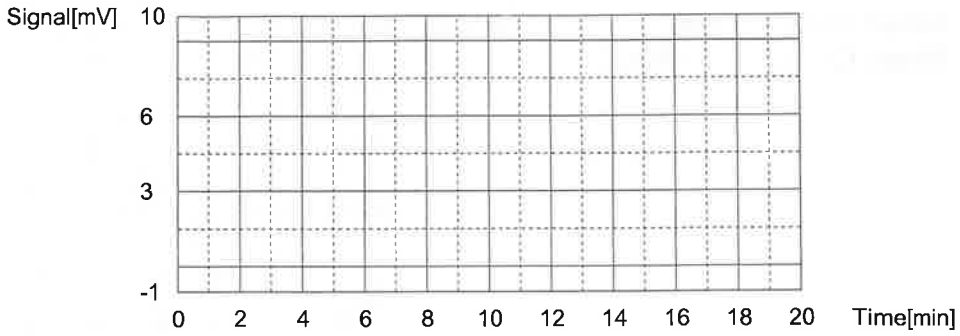
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.000mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time

Mean Area 0.000
Mean Conc. 0.000mg/l



Sample

Sample Name: 75576-01 40X
Sample ID: X
Origin: 4 Rep.met
Status Completed
Chk. Result

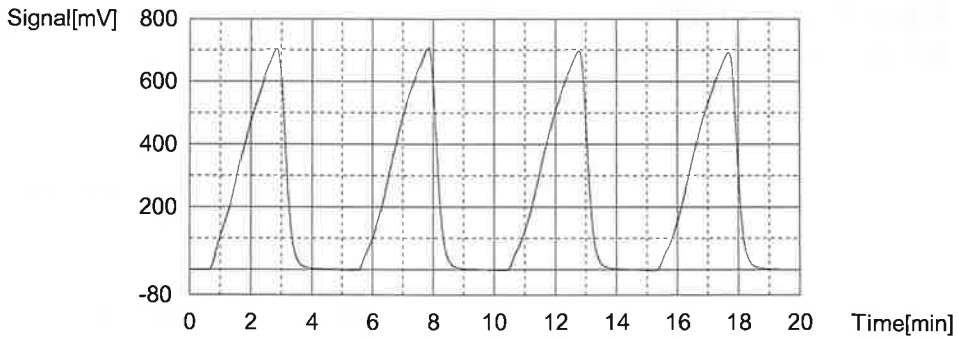
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:31.46mg/L

1. Det

Anal.: NPOC

No	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	6532	31.43mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 9:53:
2	6560	31.57mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 10:0(
3	6535	31.45mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 10:0
4	6522	31.39mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 10:1

Mean Area 6537
Mean Conc. 31.46mg/l



Sample

Sample Name: 75576-02 400X
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.8326mg/L

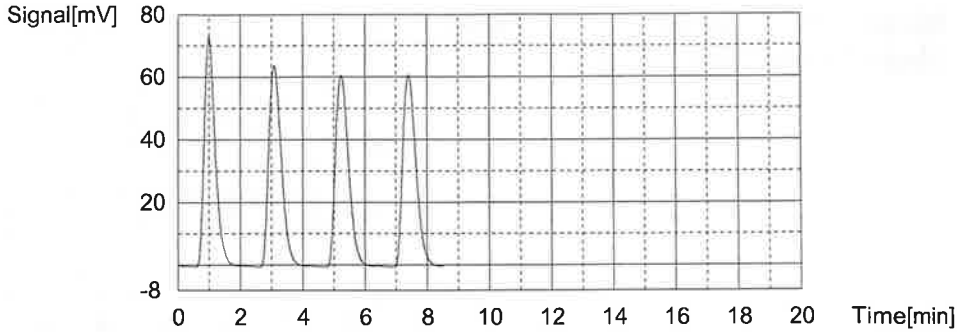
1. Det

339.04

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	186.4	.8281mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 10:3
2	187.6	.8339mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 10:3
3	187.1	.8314mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 10:4
4	188.3	.8372mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 10:4

Mean Area 187.4
Mean Conc. 0.8326mg



Sample

Sample Name: 75576-03 400X
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

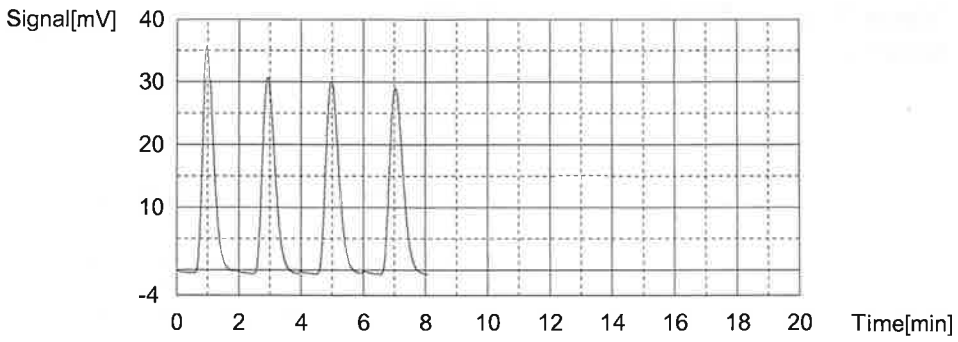
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3753mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	90.74	.3667mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 10:58
2	92.50	.3752mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 11:03
3	93.53	.3801mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 11:07
4	93.33	.3792mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 11:12

Mean Area 92.52
Mean Conc. 0.3753mg



Sample

Sample Name: 75576-04 400X
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

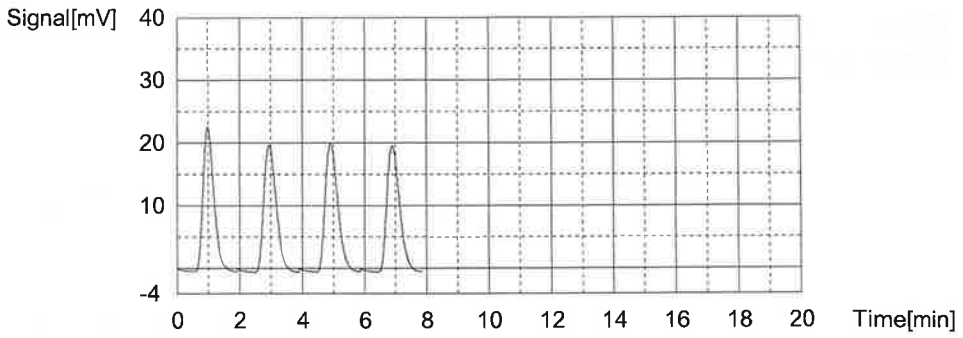
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.2131mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	57.61	.2069mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 11:22
2	58.83	.2128mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 11:27
3	59.90	.2179mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 11:31
4	59.25	.2148mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 11:35

Mean Area 58.90
Mean Conc. 0.2131mg



Sample

Sample Name: 75576-05 400X
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

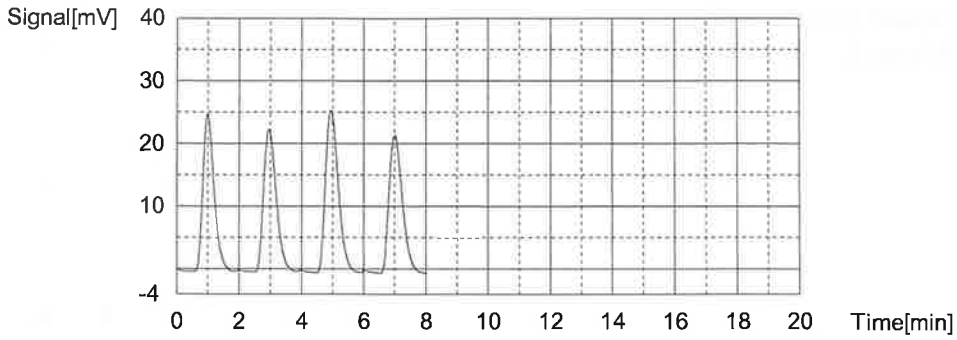
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.2619mg/L

1. Det

Anal.: NPOC

No	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	65.00	.2425mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 11:4
2	66.18	.2482mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 11:5
3	77.51	.3029mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 11:5
4	67.41	.2541mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 12:0

Mean Area 69.03
Mean Conc. 0.2619mg



Sample

Sample Name: 75576-06
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

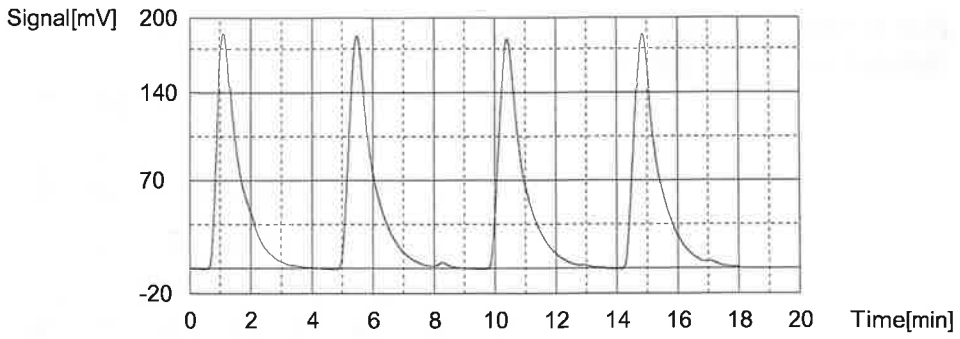
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:4.858mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	977.9	4.646mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 12:1
2	1032	4.907mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 12:2
3	1029	4.892mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 12:2
4	1049	4.989mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 12:3

Mean Area 1022
Mean Conc. 4.858mg/l



Sample

Sample Name: 75933-01 AAL
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

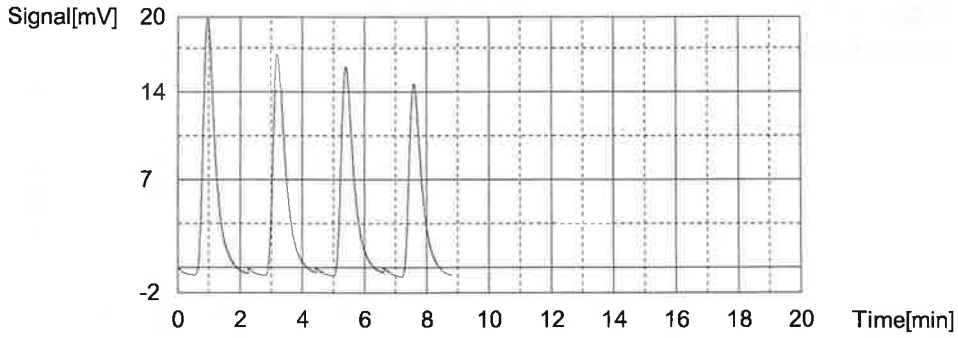
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.1750mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	57.77	.2076mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 12:4
2	51.99	.1798mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 12:4
3	49.10	.1658mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 12:5
4	45.13	.1467mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 12:5

Mean Area 51.00
Mean Conc. 0.1750mg



Sample

Sample Name: 76428-01
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

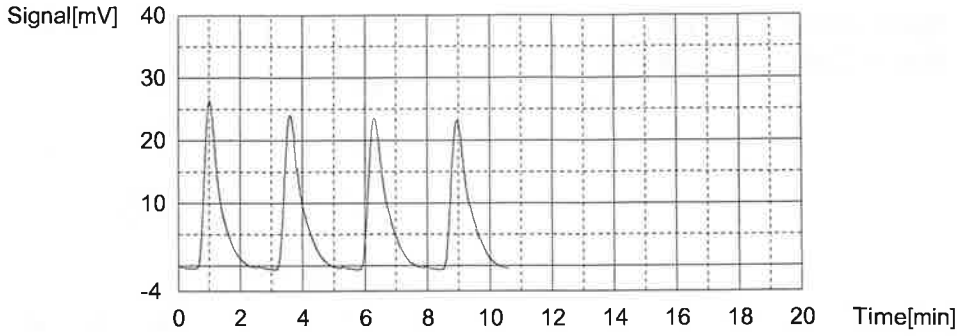
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3918mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	94.43	.3845mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 1:08:
2	96.49	.3944mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 1:13:
3	97.04	.3971mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 1:17:
4	95.85	.3913mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 1:22:

Mean Area 95.95
Mean Conc. 0.3918mg



Sample

Sample Name: CCV
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

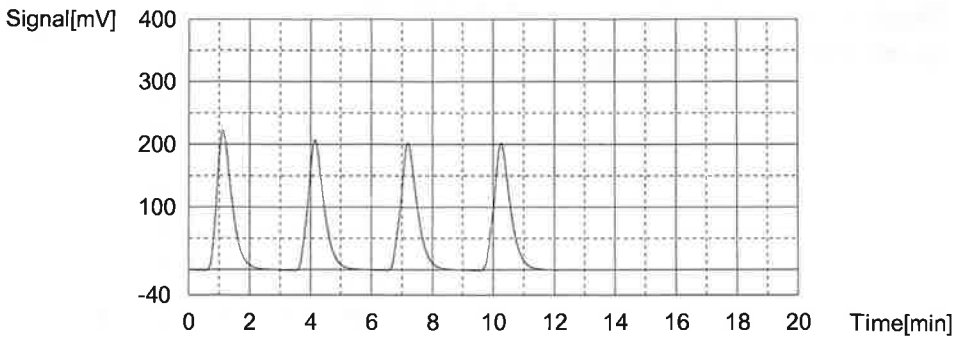
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:3.748mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	795.8	3.767mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 2:29:
2	791.3	3.746mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 2:34:
3	789.2	3.736mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 2:39:
4	791.1	3.745mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 2:45:

Mean Area 791.9
Mean Conc. 3.748mg/l



Sample

Sample Name: CCB
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

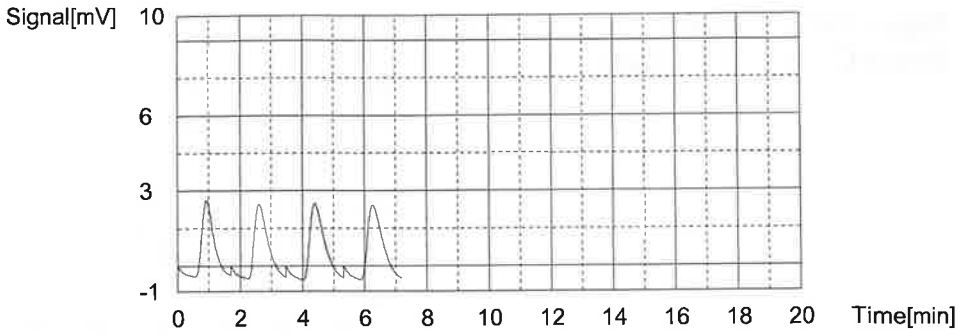
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.02682mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.986	3248mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 2:55:
2	8.965	2776mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 3:00:
3	9.924	2313mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 3:04:
4	9.765	2390mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 3:08:

Mean Area 9.160
Mean Conc. -0.02682r



Sample

Sample Name: 75576-01 400X
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:3.133mg/L

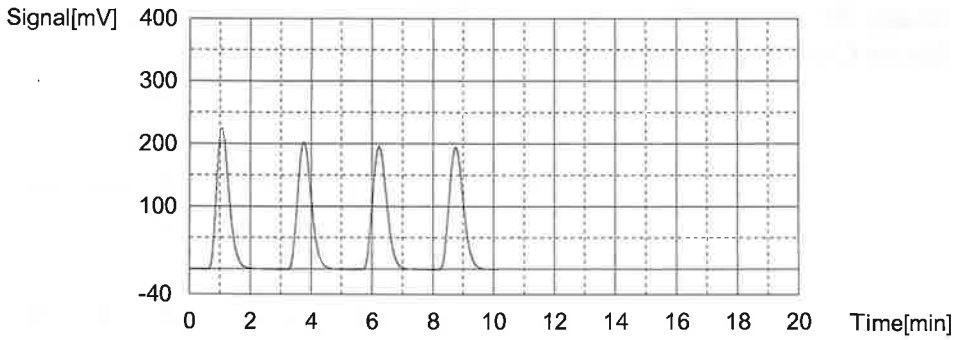
1253.2

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	664.6	3.135mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 3:19:
2	663.2	3.128mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 3:24:
3	665.4	3.138mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 3:29:
4	664.2	3.133mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 3:33:

Mean Area 664.4
Mean Conc. 3.133mg/l



Sample

Sample Name: 75576-03 40X
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:2.312mg/L

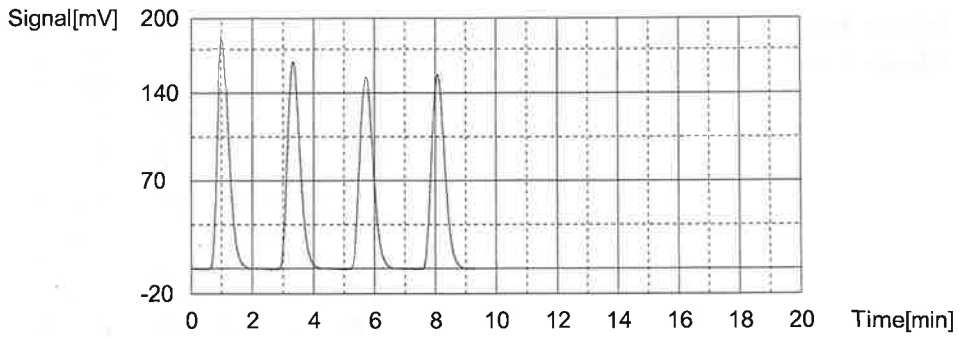
1. Det

Anal.: NPOC

92.48

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	491.9	2.302mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 3:44:
2	492.6	2.305mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 3:49:
3	497.2	2.327mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 3:53:
4	494.3	2.313mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 3:57:

Mean Area 494.0
Mean Conc. 2.312mg/l



Sample

Sample Name: 75576-04 40X
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

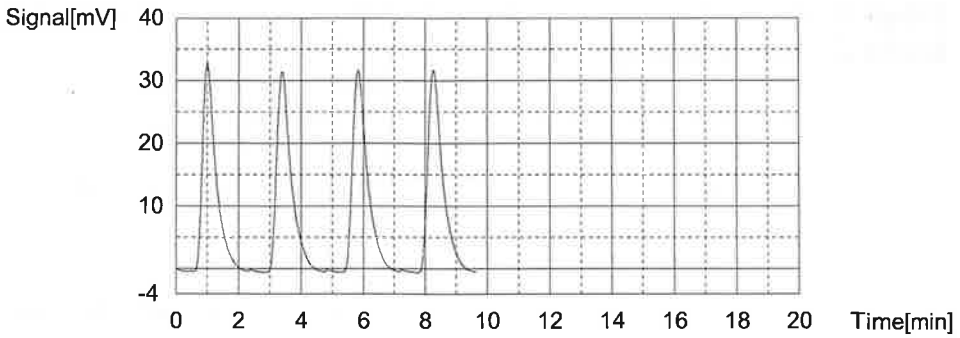
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4541mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	103.9	.4301mg/L	500uL	1		11182025 TOC4 CURVE.	12/3/2025 4:08:
2	108.5	.4523mg/L	500uL	1		11182025 TOC4 CURVE.	12/3/2025 4:13:
3	111.7	.4678mg/L	500uL	1		11182025 TOC4 CURVE.	12/3/2025 4:17:
4	111.4	.4663mg/L	500uL	1		11182025 TOC4 CURVE.	12/3/2025 4:22:

Mean Area 108.9
Mean Conc. 0.4541mg



Sample

Sample Name: 75576-05 40X
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.7019mg/L

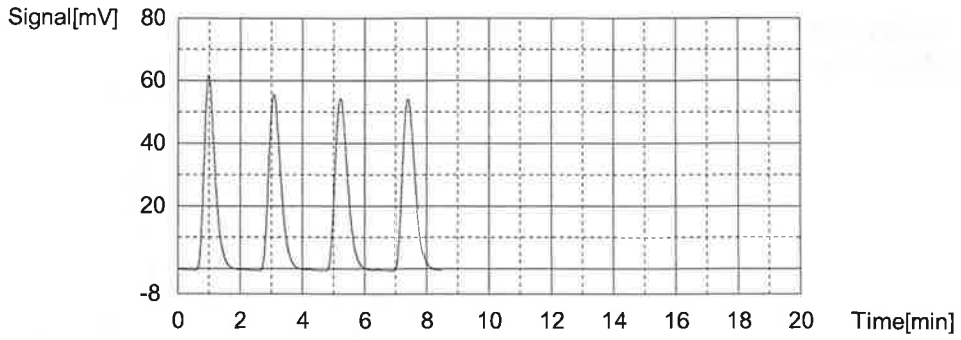
1. Det

28.68

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	157.2	.6872mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 4:33:
2	159.6	.6988mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 4:37:
3	162.2	.7113mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 4:41:
4	162.0	.7104mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 4:46:

Mean Area 160.3
Mean Conc. 0.7019mg



Sample

Sample Name: 75933-02 AAL
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

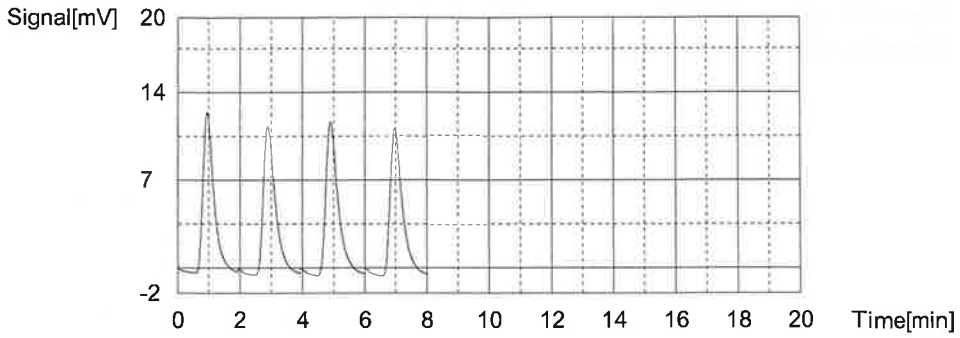
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.08852mg/L

1. Det

Anal.: NPOC

No	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	32.46	8556mg/L	500uL	1		11182025 TOC4 CURVE.i	12/3/2025 4:56:
2	32.67	8658mg/L	500uL	1		11182025 TOC4 CURVE.i	12/3/2025 5:01:
3	34.35	9468mg/L	500uL	1		11182025 TOC4 CURVE.i	12/3/2025 5:05:
4	32.81	8725mg/L	500uL	1		11182025 TOC4 CURVE.i	12/3/2025 5:10:

Mean Area 33.07
Mean Conc. 0.08852m



Sample

Sample Name: 76428-03
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

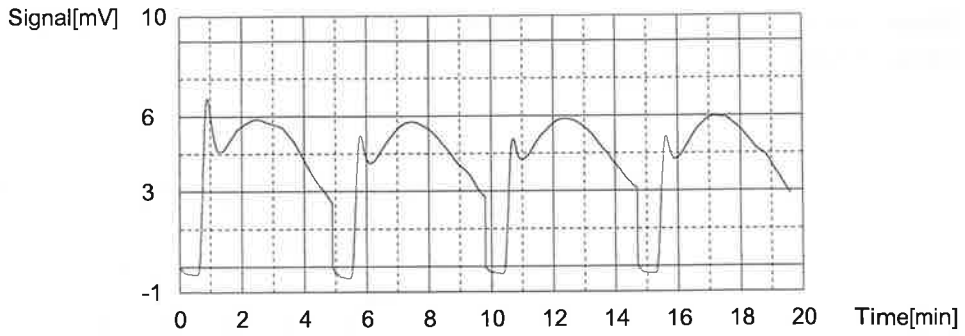
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3717mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	97.03	.3970mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 5:23:
2	91.00	.3679mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 5:30:
3	86.97	.3485mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 5:39:
4	92.15	.3735mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 5:47:

Mean Area 91.79
Mean Conc. 0.3717mg



Sample

Sample Name: 76428-04
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:8.733mg/L

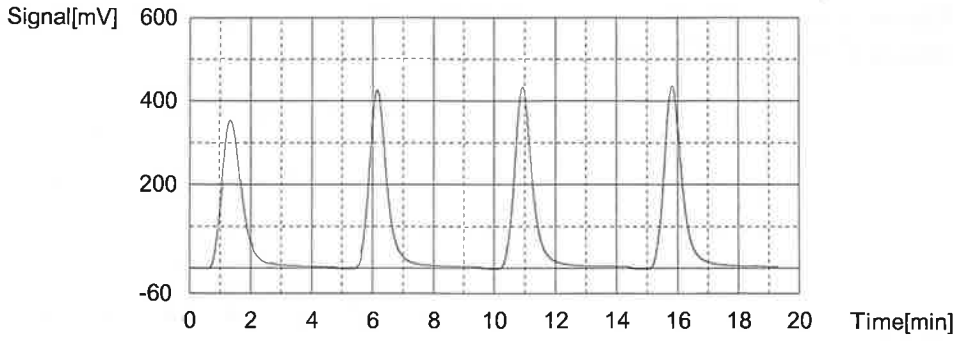
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	1726	8.254mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 6:00:
2	1815	8.683mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 6:09:
3	1855	8.876mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 6:18:
4	1905	9.117mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 6:24:

w% ✓

Mean Area 1825
Mean Conc. 8.733mg/l



Sample

Sample Name: 76428-05
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

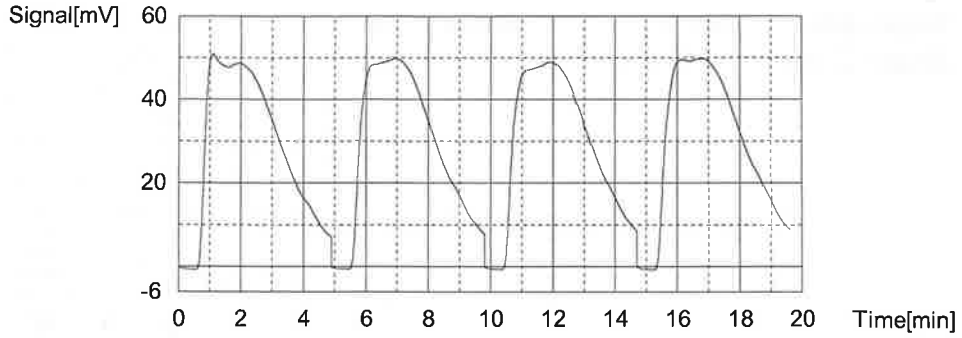
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:3.598mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	758.2	3.586mg/L	500uL	1		11182025 TOC4 CURVE.I	12/3/2025 6:38:
2	764.0	3.614mg/L	500uL	1		11182025 TOC4 CURVE.I	12/3/2025 6:47:
3	746.6	3.530mg/L	500uL	1		11182025 TOC4 CURVE.I	12/3/2025 6:55:
4	774.0	3.662mg/L	500uL	1		11182025 TOC4 CURVE.I	12/3/2025 7:04:

Mean Area 760.7
Mean Conc. 3.598mg/l



Sample

Sample Name: 75403-02 DUP
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

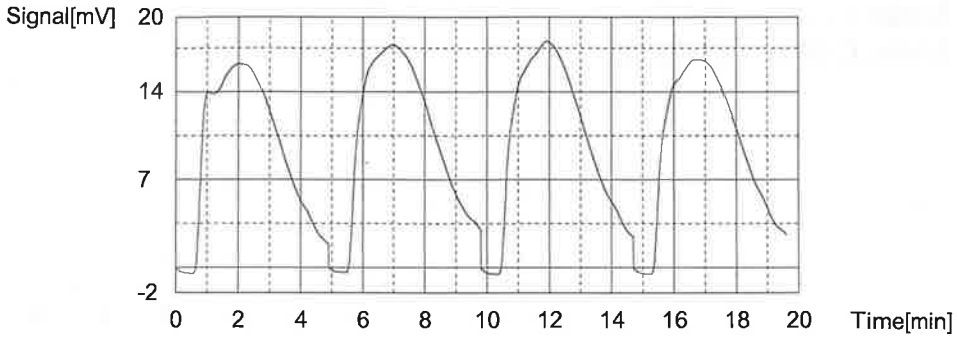
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.201mg/L

1. Det

Anal.: NPOC

No	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	256.3	1.165mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 7:17:
2	269.7	1.230mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 7:26:
3	271.3	1.238mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 7:33:
4	257.8	1.172mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 7:40:

Mean Area 263.8
Mean Conc. 1.201mg/l



Sample

Sample Name: 75403-02 SPK 4X
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:4.175mg/L

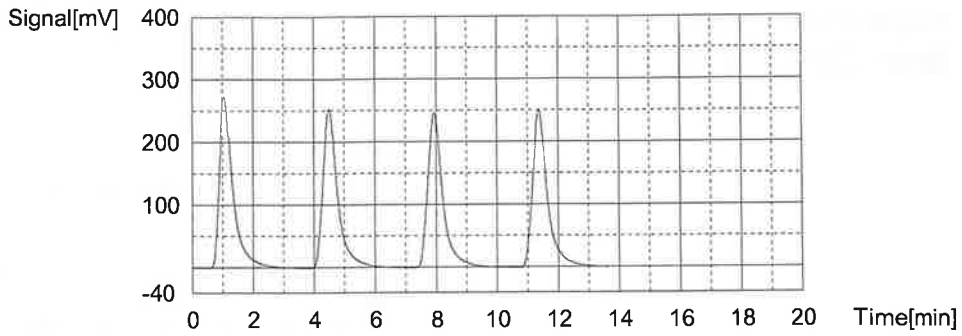
1. Det

16.2

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	877.8	4.163mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 7:52:
2	882.8	4.187mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 7:58:
3	877.4	4.161mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 8:03:
4	883.3	4.189mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 8:09:

Mean Area 880.3
Mean Conc. 4.175mg/l



Sample

Sample Name: CCV
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

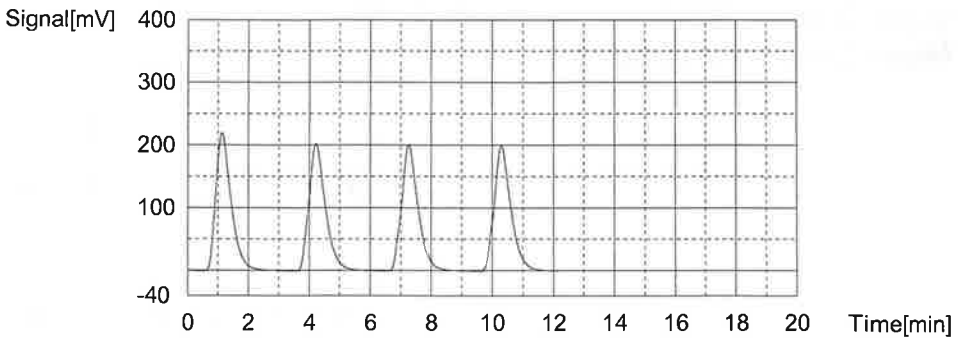
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:3.746mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	801.6	3.795mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 8:44:
2	791.8	3.748mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 8:49:
3	787.2	3.726mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 8:54:
4	784.5	3.713mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 8:59:

Mean Area 791.3
Mean Conc. 3.746mg/l



Sample

Sample Name: CCB
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

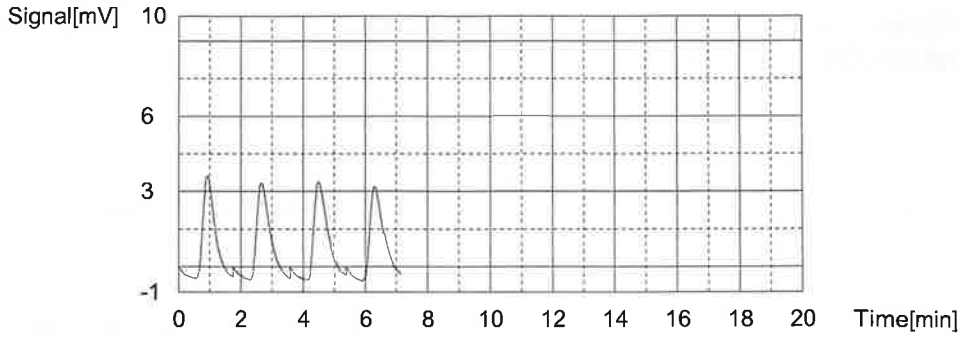
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.01645mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.00	1794mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 9:09:
2	11.52	1544mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 9:14:
3	11.64	1486mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 9:18:
4	11.08	1756mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 9:23:

Mean Area 11.31
Mean Conc. -0.01645r



Sample

Sample Name: 75403-04; DUP
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

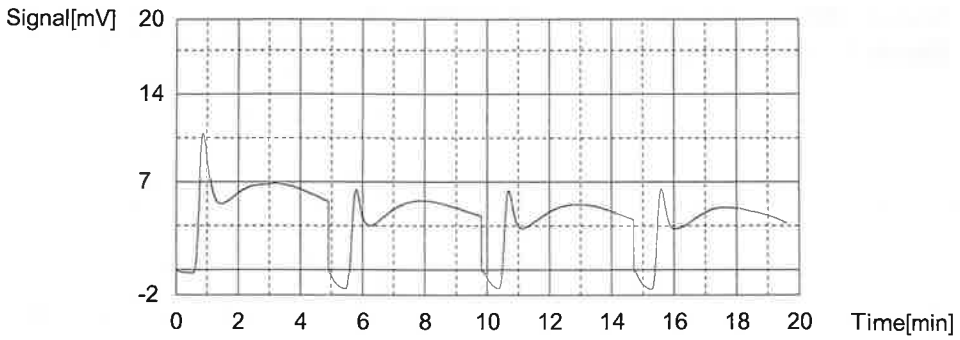
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3595mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	100.1	.4118mg/L	500uL	1		11182025 TOC4 CURVE.:	12/3/2025 9:36:
2	88.34	.3551mg/L	500uL	1		11182025 TOC4 CURVE.:	12/3/2025 9:44:
3	84.07	.3345mg/L	500uL	1		11182025 TOC4 CURVE.:	12/3/2025 9:53:
4	84.54	.3368mg/L	500uL	1		11182025 TOC4 CURVE.:	12/3/2025 10:0

Mean Area 89.26
Mean Conc. 0.3595mg



Sample

Sample Name: 75403-04; SPK 4X
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:3.315mg/L

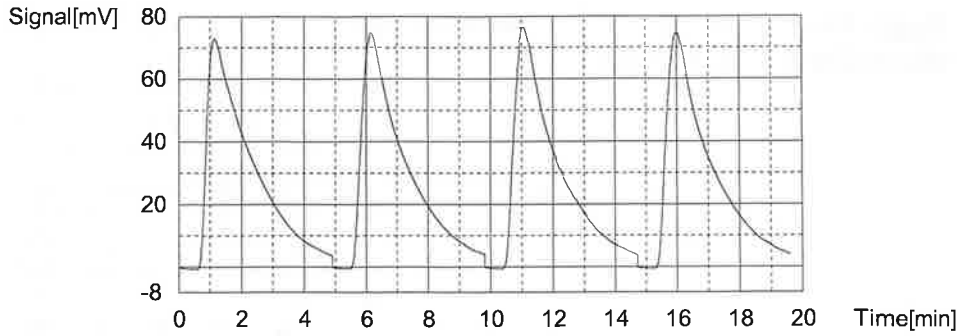
1. Det

12/26

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	700.8	3.309mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 10:1
2	705.6	3.332mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 10:2
3	699.6	3.303mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 10:3
4	701.8	3.314mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 10:3

Mean Area 702.0
Mean Conc. 3.315mg/l



Sample

Sample Name: CCV
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

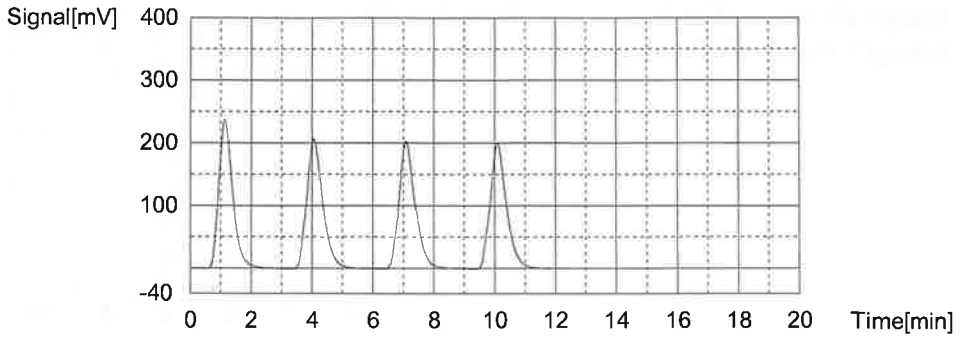
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:3.697mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	782.7	3.704mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 10:5(
2	784.4	3.712mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 10:5:
3	781.1	3.696mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 11:0(
4	776.7	3.675mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 11:0:

Mean Area 781.2
Mean Conc. 3.697mg/l



Sample

Sample Name: CCB
Sample ID:
Origin: 4 Rep.met
Status Completed
Chk. Result

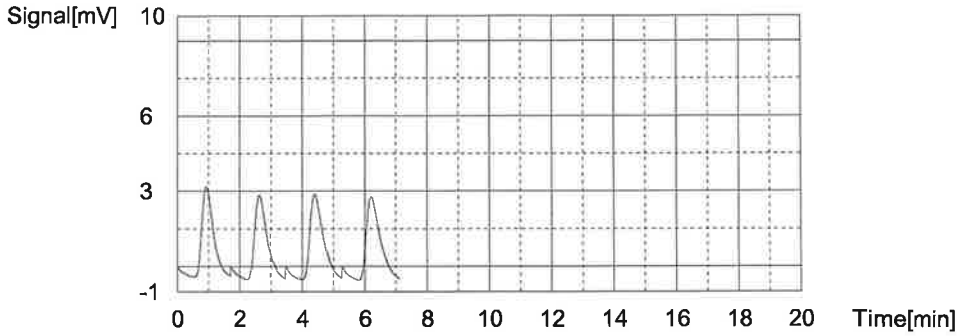
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:-0.02366mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut Dil.	Ex.	Cal. Curve	Date / Time
1	9.364	02584mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 11:15
2	9.467	02534mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 11:20
3	10.18	02190mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 11:24
4	10.25	02156mg/L	500uL	1		11182025 TOC4 CURVE..	12/3/2025 11:29

Mean Area 9.815
Mean Conc. -0.02366r



Instr.Information

System TOC-VW
Detector Wet Chemical

Sample

Sample Name: DI
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

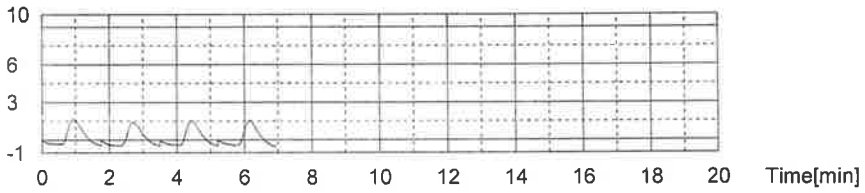
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.03922mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.245	0.04187mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 4:37:09 AM
2	5.753	0.03772mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 4:42:04 AM
3	5.804	0.03815mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 4:46:54 AM
4	5.923	0.03915mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 4:51:50 AM

Mean Area 5.931
Mean Conc. 0.03922mg/L



Sample

Sample Name: IC NEG CHK
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

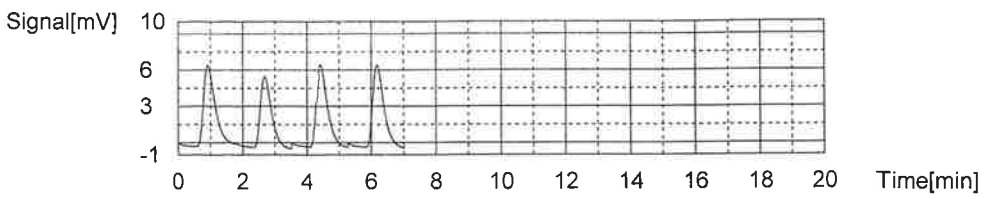
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1255mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	16.96	0.1322mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 5:02:31 AM
2	14.36	0.1103mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 5:08:50 AM
3	16.48	0.1282mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 5:14:47 AM
4	16.83	0.1311mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 5:20:55 AM

Mean Area 16.16
Mean Conc. 0.1255mg/L



Sample

Sample Name: ICV
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

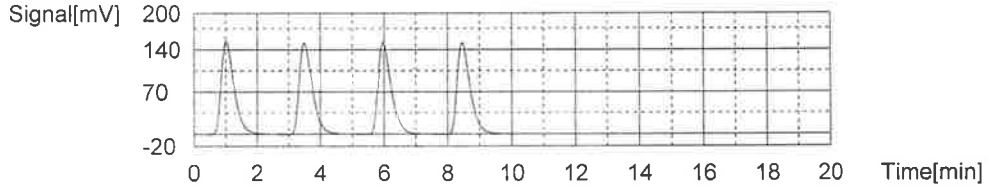
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.777mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	448.2	3.769mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 5:32:18 AM
2	448.6	3.773mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 5:36:53 AM
3	449.9	3.784mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 5:41:28 AM
4	449.7	3.782mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 5:46:01 AM

Mean Area 449.1
Mean Conc. 3.777mg/L



Sample

Sample Name: ICB
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

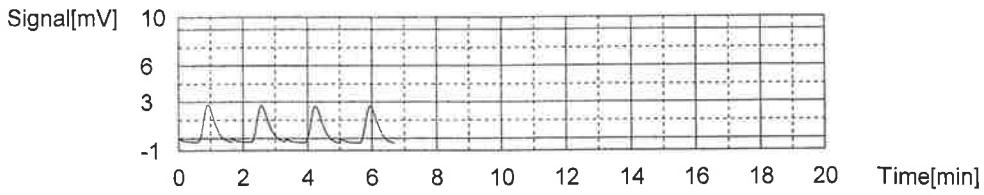
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.05333mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.472	0.05222mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 5:56:35 AM
2	7.545	0.05283mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 6:01:22 AM
3	7.654	0.05375mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 6:06:10 AM
4	7.744	0.05451mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 6:10:55 AM

Mean Area 7.604
Mean Conc. 0.05333mg/L



Sample

Sample Name: BLANK
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

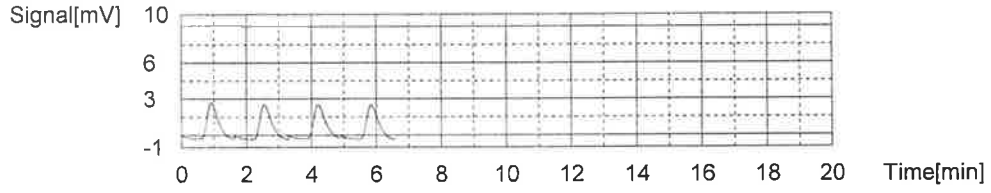
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.04923mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.205	0.04997mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 6:21:28 AM
2	7.103	0.04911mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 6:26:12 AM
3	6.930	0.04765mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 6:30:55 AM
4	7.235	0.05022mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 6:35:40 AM

Mean Area 7.118
Mean Conc. 0.04923mg/L



Sample

Sample Name: LCS
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

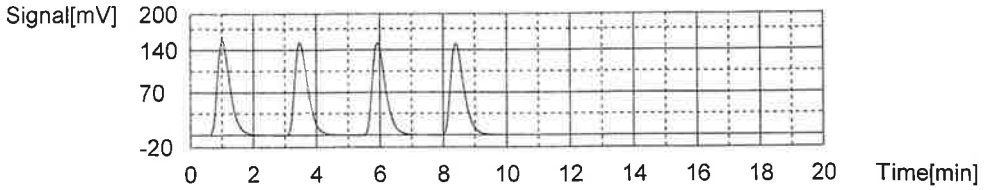
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.802mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	451.3	3.795mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 6:47:02 AM
2	451.7	3.799mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 6:51:35 AM
3	453.0	3.810mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 6:56:09 AM
4	452.5	3.806mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 7:00:42 AM

Mean Area 452.1
Mean Conc. 3.802mg/L



Sample

Sample Name: 73967.2
Sample ID:
Origin: TOC3 3 REPS METHOD.met
Status Completed
Chk. Result

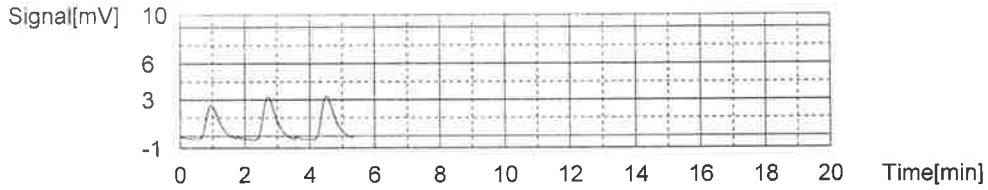
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.06791mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.819	0.05514mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 8:41:02 AM
2	10.01	0.07362mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 8:46:05 AM
3	10.17	0.07497mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 8:50:56 AM

Mean Area 9.333
Mean Conc. 0.06791mg/L



Sample

Sample Name: 73967.3
Sample ID:
Origin: TOC3 3 REPS METHOD.met
Status Completed
Chk. Result

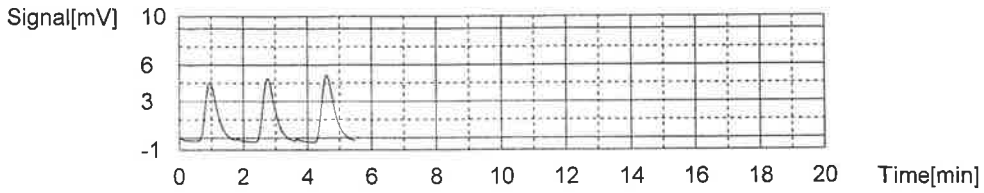
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1074mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.59	0.09538mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 9:01:38 AM
2	14.29	0.1097mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 9:06:34 AM
3	15.16	0.1171mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 9:10:51 AM

Mean Area 14.01
Mean Conc. 0.1074mg/L



Sample

Sample Name: 74243.1
Sample ID:
Origin: TOC3 3 REPS METHOD.met
Status Completed
Chk. Result

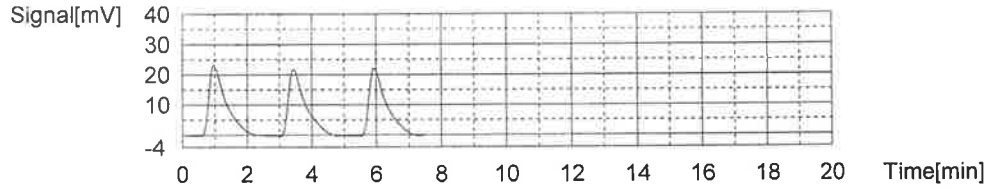
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7135mg/L

1, Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	87.58	0.7278mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 9:22:13 AM
2	84.09	0.6984mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 9:26:49 AM
3	85.97	0.7143mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 9:31:25 AM

Mean Area 85.88
Mean Conc. 0.7135mg/L



Sample

Sample Name: 74243.3
Sample ID:
Origin: TOC3 3 REPS METHOD.met
Status Completed
Chk. Result

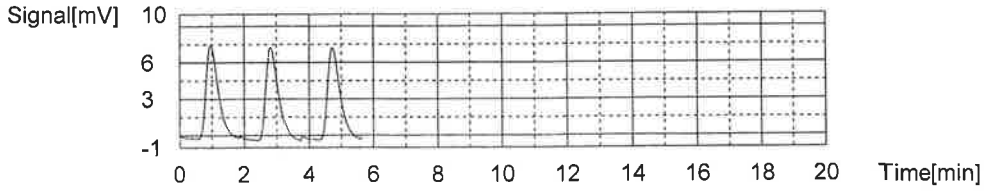
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1657mg/L

1, Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	20.92	0.1656mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 9:42:11 AM
2	20.83	0.1649mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 9:46:31 AM
3	21.04	0.1667mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 9:50:48 AM

Mean Area 20.93
Mean Conc. 0.1657mg/L



Sample

Sample Name: 74843.1
Sample ID:
Origin: TOC3 3 REPS METHOD.met
Status Completed
Chk. Result

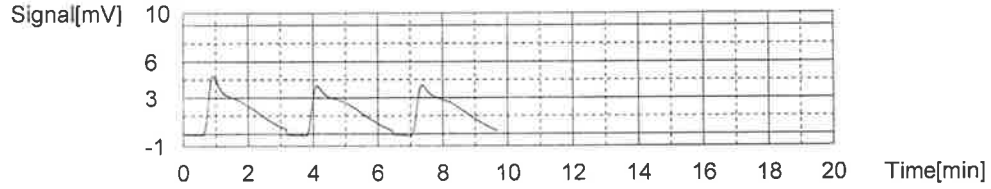
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2624mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.19	0.2691mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 10:02:54 AM
2	31.92	0.2584mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 10:08:15 AM
3	32.08	0.2598mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 10:13:36 AM

Mean Area 32.40
Mean Conc. 0.2624mg/L



Sample

Sample Name: 75379.2
Sample ID:
Origin: TOC3 3 REPS METHOD.met
Status Completed
Chk. Result

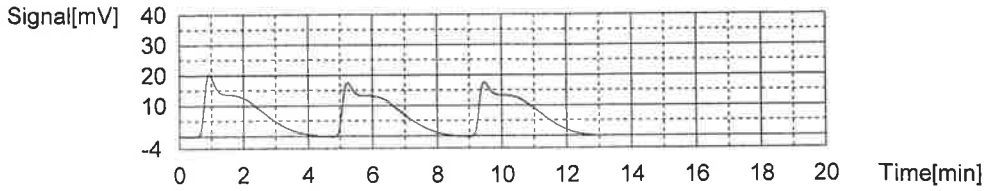
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.498mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	183.8	1.539mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 10:26:48 AM
2	175.7	1.471mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 10:33:09 AM
3	177.3	1.485mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 10:39:44 AM

Mean Area 178.9
Mean Conc. 1.498mg/L



Sample

Sample Name: 76315.1
Sample ID:
Origin: TOC3 3 REPS METHOD.met
Status Completed
Chk. Result

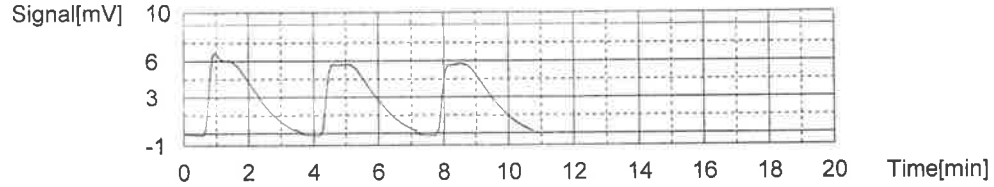
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4898mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	61.83	0.5107mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 10:52:15 AM
2	57.67	0.4756mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 10:57:54 AM
3	58.58	0.4833mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 11:03:36 AM

Mean Area 59.36
Mean Conc. 0.4898mg/L



Sample

Sample Name: 74243.1 DP
Sample ID:
Origin: TOC3 3 REPS METHOD.met
Status Completed
Chk. Result

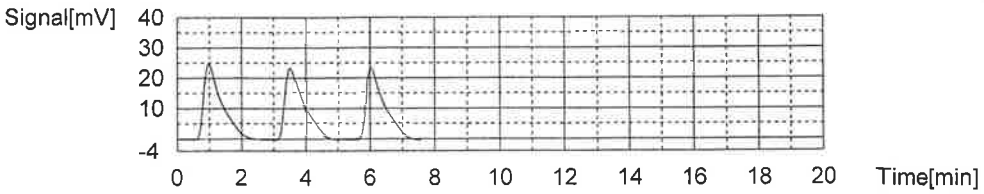
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8183mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	99.80	0.8309mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 11:33:43 AM
2	97.17	0.8087mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 11:38:19 AM
3	97.95	0.8153mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 11:42:58 AM

Mean Area 98.31
Mean Conc. 0.8183mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

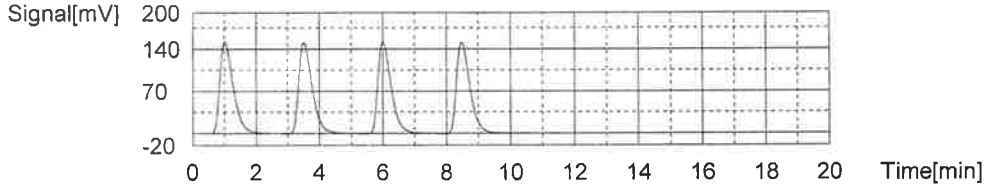
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.818mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	454.3	3.821mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 11:54:23 AM
2	453.9	3.817mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 11:58:59 AM
3	454.6	3.823mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 12:03:33 PM
4	453.1	3.811mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 12:08:07 PM

Mean Area 454.0
Mean Conc. 3.818mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

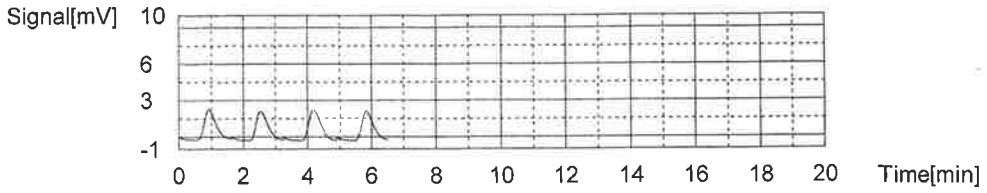
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.04157mg/L

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.141	0.04099mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 12:18:39 PM
2	6.132	0.04092mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 12:23:30 PM
3	6.349	0.04275mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 12:28:16 PM
4	6.218	0.04164mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 12:33:01 PM

Mean Area 6,210
Mean Conc. 0.04157mg/L



Sample

Sample Name: 74243.1 SPK 2X
Sample ID:
Origin: TOC3 3 REPS METHOD.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.198mg/L

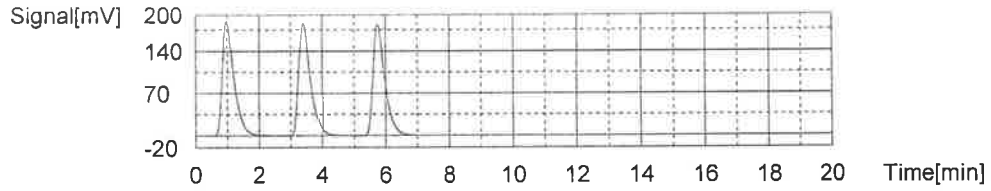
1. Det

8.40

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	498.6	4.194mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 12:44:20 PM
2	499.1	4.199mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 12:48:47 PM
3	499.5	4.202mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 12:53:16 PM

Mean Area 499.1
Mean Conc. 4.198mg/L



Sample

Sample Name: 76696.8
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

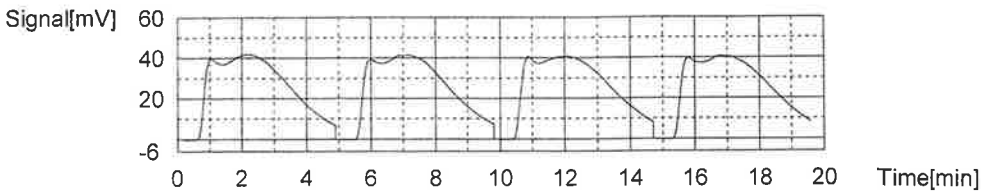
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.526mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	655.2	5.515mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 1:23:33 PM
2	657.0	5.530mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 1:31:36 PM
3	652.8	5.495mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 1:39:39 PM
4	660.8	5.562mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 1:47:49 PM

Mean Area 656.5
Mean Conc. 5.526mg/L



Sample

Sample Name: 76696.9
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

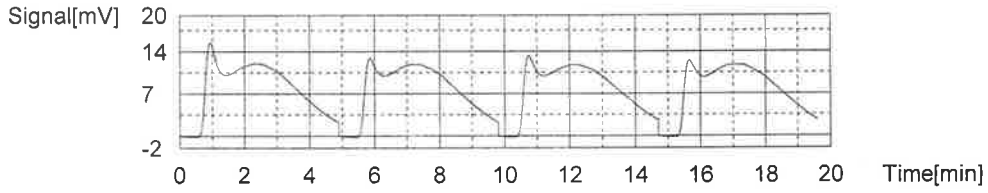
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.678mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	204.6	1.715mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 2:01:38 PM
2	200.6	1.681mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 2:09:37 PM
3	196.0	1.642mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 2:17:35 PM
4	199.7	1.673mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 2:25:00 PM

Mean Area 200.2
Mean Conc. 1.678mg/L



Sample

Sample Name: 76696.8 DP
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

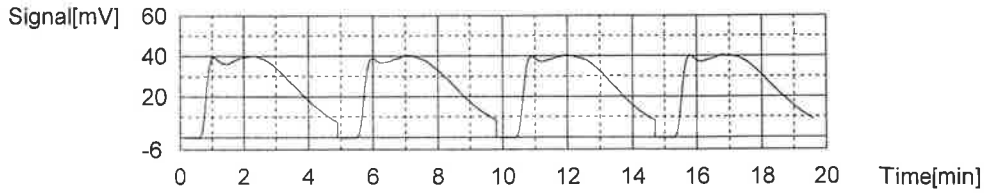
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.437mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	640.6	5.392mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 2:51:55 PM
2	643.5	5.416mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 3:00:09 PM
3	646.0	5.438mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 3:08:19 PM
4	653.4	5.500mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 3:16:28 PM

Mean Area 645.9
Mean Conc. 5.437mg/L



Sample

Sample Name: 76696.8 SPK 4X
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.638mg/L

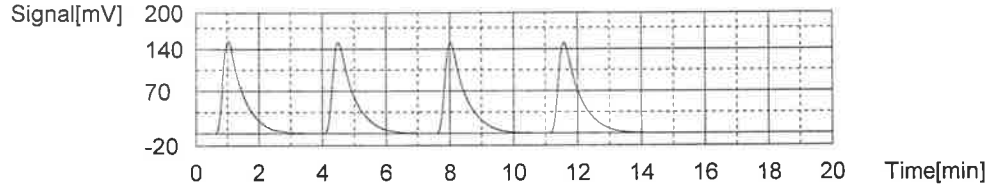
1. Det

11-55

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	663.9	5.589mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 3:28:50 PM
2	671.2	5.650mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 3:34:27 PM
3	672.3	5.659mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 3:40:07 PM
4	671.5	5.653mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 3:45:44 PM

Mean Area 669.7
Mean Conc. 5.638mg/L



Sample

Sample Name: 76636.1 10X
Sample ID:
Origin: TOC3 3 REPS METHOD.met
Status Completed
Chk. Result

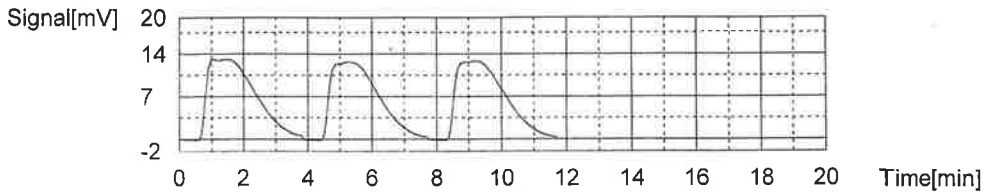
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.144mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	137.8	1.151mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 4:01:18 PM
2	135.0	1.128mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 4:07:38 PM
3	137.8	1.151mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 4:13:43 PM

Mean Area 136.9
Mean Conc. 1.144mg/L



Sample

Sample Name: 75576.4 10X
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

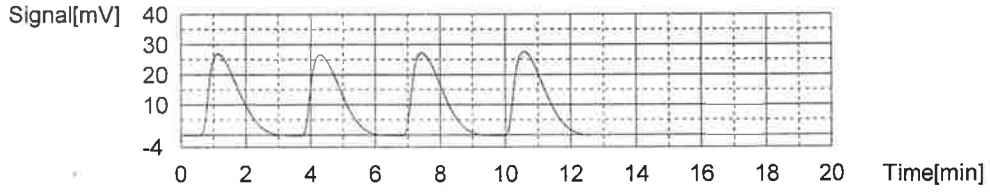
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.479mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	175.2	1.467mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 4:31:08 PM
2	173.8	1.455mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 4:36:22 PM
3	177.5	1.486mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 4:41:36 PM
4	179.9	1.506mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 4:46:52 PM

Mean Area 176.6
Mean Conc. 1.479mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

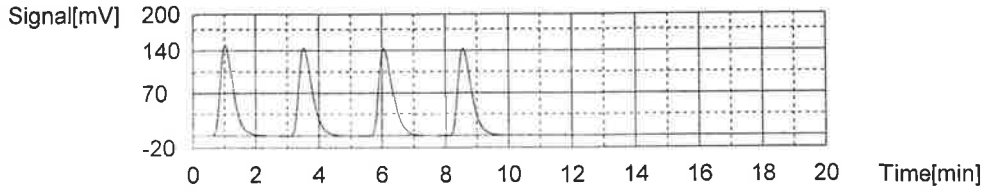
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.734mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	445.3	3.745mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 5:14:30 PM
2	443.5	3.730mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 5:19:08 PM
3	444.5	3.738mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 5:23:44 PM
4	442.7	3.723mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 5:28:22 PM

Mean Area 444.0
Mean Conc. 3.734mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: toc-3 4 reps method.met
Status Completed
Chk. Result

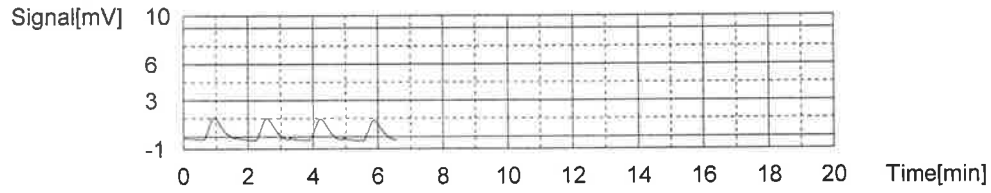
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.03033mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.856	0.03015mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 5:38:54 PM
2	5.048	0.03177mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 5:43:38 PM
3	4.826	0.02990mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 5:48:20 PM
4	4.779	0.02951mg/L	2500uL	1		07192025 TOC3 CURVE.2025_07_18_23_54	12/4/2025 5:53:05 PM

Mean Area 4.877
Mean Conc. 0.03033mg/L



Quality Control

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: L2575403-02		
Matrix Spike	: WG2148764-4	**MS Analysis Date**	: 12/03/25 00:32
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Total Organic Carbon	1.1	16	17.	99					80-120	20

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: L2575403-04		
Matrix Spike	: WG2148764-6	**MS Analysis Date**	: 12/03/25 00:32
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Total Organic Carbon	0.34J	16	13.	81					80-120	20

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: L2576696-08		
Matrix Spike	: WG2149634-3	**MS Analysis Date**	: 12/04/25 05:32
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Total Organic Carbon	5.5	16	22.	103					80-120	20

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: NA	**Analysis Date**	: 12/03/25 00:32
Dup Sample ID	: WG2148764-3	**DUP Analysis Date**	: 12/03/25 00:32

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Total Organic Carbon	1.1	1.2	9	20

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: NA	**Analysis Date**	: 12/03/25 00:32
Dup Sample ID	: WG2148764-5	**DUP Analysis Date**	: 12/03/25 00:32

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Total Organic Carbon	0.34J	0.36J	NC	20

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: NA	**Analysis Date**	: 12/04/25 05:32
Dup Sample ID	: WG2149634-4	**DUP Analysis Date**	: 12/04/25 05:32

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Total Organic Carbon	5.5	5.4	2	20

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2148764-2	**LCS Analysis Date**	: 12/03/25 00:32
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Total Organic Carbon	**4.00**	**3.60**	**90.**					**90-110**	**20**

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2149634-2	**LCS Analysis Date**	: 12/04/25 05:32
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Total Organic Carbon	4.00	3.80	95.					90-110	20

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Total Organic Carbon	7440-44-0	0.5	0.114	mg/l	90-110		80-120	20	20	9060A	28 days	3 - Vial H2SO4 preserved
Total Organic Carbon	7440-44-0	0.5	0.114	mg/l	90-110		80-120	20	20	5310C	28 days	2 - Vial H2SO4 preserved

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

Calculations of TOC

Aqueous samples:

The TOC Talk Software calculates the area of the peaks produced by the analyzer, compares them to the peak area of the calibration standard stored in its memory, and calculates a mean TOC value from two injections in mg/L.

If the sample was manually diluted prior to analysis, the calculated mean must be manually multiplied by the dilution factor. The Reported Detection Limit is also multiplied by the same dilution factor.

$$\text{Result, mg/L} = \frac{\text{area - y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

Sequence Logs

DATE: Wet 120325	CURVE ID: TOC4 111825	WORKING STDS ID:	
ANALYST: DAW	STOCK STDS ID:	4 PPM ICV: TW 120325-ICV	
	2000 PPM CURVE SLN: TW 071525-C	4 PPM LCS: TW 120325-LCS	
	2000 PPM ICV/LCS/SPK SLN: TW 071525-W	4 PPM SPK: TW 071525-W	
	400 PPM IC CK STD SLN: TW 101625-IC	10 PPM IC CK STD: TW 120325-ICCK	

POSITION	SAMPLE	DIL X	PH	COMMENTS
1	DI			
2	DLCAL50			—
3	ZW			—
4	BLK			—
5	MM5			—
6	LCS			X 79%
7	LCS RR			— 90%
8	75403.2	1	2	—
9	4	1	2	—
10	5	1	2	—
11	75470.1	1	2	—
12	2	1	2	—
13	3	1	2	—
14	4	1	2	—
15	CW			—
16	ccb			-
17	75576.1	4	2	X Abort
18	2	4	2	X Abort
19	TG-1 3	40	2	X conc
20	-2 4	400	2	-
21	-3 5	400	2	X Low
22	-4 6	400	2	X Low
23	-5 75933.1 AAL	400	2	X Low
24	-6 7 ↓	1	2	-
25	76428.1	1	2	- 75933-1 AAL
26	8	1	2	- 76428-1

POSITION	SAMPLE	DIL X	PH	COMMENTS
27	CW			
28	ccb			
29	75576.1	400		
30	-3	40		
31	-4	40		
32	-5	40		
33	75933-2	1		
34	76428-3	1		
35	-4	1		
36	-5	1		
37	75403-2 DP	1		
38	-2 SPK	4		
39	CCV			
40	CCB			
41	75403.4 dp	1		
42	.4 SPK	4		
43	CCV			
44	CCB			
45				
46				
47				
48				
49				
50				
51				
52				

MW 12/3

DATE: 120425	CURVE ID: TOC3 071925	WORKING STDS ID:	
ANALYST: SMM	STOCK STDS ID:	4 PPM ICV:	TOC-120425-ICV
	2000 PPM CURVE SLN: TOC-071525-C	4 PPM LCS :	TOC-120425-LCS
	2000 PPM ICV/LCS/SPK SLN : TOC-071525-W	4 PPM SPK:	TOC-071525-W
	400 PPM IC CK STD SLN: TOC-101625-IC400	10 PPM IC CK STD:	TOC-120425-IC10

POSITION	SAMPLE	DIL X	PH	COMMENTS
1	DI			
2	10ppm ICCK			
3	ICV			
4	ICB			—
5	MB			
6	LCS			
7	73967.7	1		—
8	.3	1		—
9	74243.1	1		—
10	.3 (FB)	1		—
11	74843.1	1		—
12	75379.2	1		—
13	76315.1	1		—
14	74243.1 dp	1		—
15	CCV			—
16	CCB			—
17	~~7242~~ 74243.1 spk	2		—
18	76696.8	1		—
19	.9	1		—
20	.8 dp	1		—
21	.8 spk	4		—
22	76636.1	10		—
23	(50) ~~75~~ 75576.4	10		—
24	CCV			
25	CCB			
26				

POSITION	SAMPLE	DIL X	PH	COMMENTS
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				

Sulfate Analysis

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575576-01	**Date Collected**	: 11/25/25 14:30
Client ID	: MW-2S	**Date Received**	: 11/25/25
Sample Location	: FAIRPORT, NY	**Date Analyzed**	: 12/06/25 22:20
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MAW
Lab File ID	: WG2150496.csv	**Instrument ID**	: SPEC 6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 12/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	2.6	10	1.4	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2575576
Project Name	:	1000 TURK HILL RD GWS	Project Number	:	3113.0001Y000
Lab ID	:	L2575576-02	Date Collected	:	11/25/25 10:35
Client ID	:	MW-2M	Date Received	:	11/25/25
Sample Location	:	FAIRPORT, NY	Date Analyzed	:	12/06/25 22:20
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500SO4-E	Analyst	:	MAW
Lab File ID	:	WG2150496.csv	Instrument ID	:	SPEC 6
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	12/06/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
14808-79-8	Sulfate	11.	10	1.4	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2575576
Project Name	:	1000 TURK HILL RD GWS	Project Number	:	3113.0001Y000
Lab ID	:	L2575576-03	Date Collected	:	11/25/25 13:45
Client ID	:	MW-16S	Date Received	:	11/25/25
Sample Location	:	FAIRPORT, NY	Date Analyzed	:	12/06/25 22:20
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500SO4-E	Analyst	:	MAW
Lab File ID	:	WG2150496.csv	Instrument ID	:	SPEC 6
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	12/06/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
14808-79-8	Sulfate	2.1	10	1.4	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2575576
Project Name	:	1000 TURK HILL RD GWS	Project Number	:	3113.0001Y000
Lab ID	:	L2575576-04	Date Collected	:	11/25/25 12:15
Client ID	:	RXMW-9S	Date Received	:	11/25/25
Sample Location	:	FAIRPORT, NY	Date Analyzed	:	12/06/25 22:20
Sample Matrix	:	WATER	Dilution Factor	:	10
Analytical Method	:	121,4500SO4-E	Analyst	:	MAW
Lab File ID	:	WG2150496.csv	Instrument ID	:	SPEC 6
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	12/06/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
14808-79-8	Sulfate	340	100	14.	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2575576
Project Name	:	1000 TURK HILL RD GWS	Project Number	:	3113.0001Y000
Lab ID	:	L2575576-05	Date Collected	:	11/25/25 09:45
Client ID	:	MW-35M	Date Received	:	11/25/25
Sample Location	:	FAIRPORT, NY	Date Analyzed	:	12/06/25 22:20
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500SO4-E	Analyst	:	MAW
Lab File ID	:	WG2150496.csv	Instrument ID	:	SPEC 6
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	12/06/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
14808-79-8	Sulfate	2.1	10	1.4	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: L2575576-06	**Date Collected**	: 11/25/25 09:00
Client ID	: DUP-112525	**Date Received**	: 11/25/25
Sample Location	: FAIRPORT, NY	**Date Analyzed**	: 12/06/25 22:20
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MAW
Lab File ID	: WG2150496.csv	**Instrument ID**	: SPEC 6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 12/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	2.1	10	1.4	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2150496-1	**Date Collected**	: NA
Client ID	: WG2150496-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/06/25 22:20
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MAW
Lab File ID	: WG2150496.csv	**Instrument ID**	: SPEC 6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 12/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	1.9	10	1.4	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2150496-3	**Date Collected**	: 11/25/25 13:45
Client ID	: MW-16SDUP	**Date Received**	: 11/25/25
Sample Location	:	**Date Analyzed**	: 12/06/25 22:20
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MAW
Lab File ID	: WG2150496.csv	**Instrument ID**	: SPEC 6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 12/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	2.1	10	1.4	J

Sample Raw Data

PACE ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

S U L F A T E

Last Change 3/5/13
File SO4-L.xlt
Curve/spike/ccv;WC-3646
LCS;WC-3587
Reagent;lot 0670

Sample Number:_____ **Product: SO4-4500**
Curve Calibration Date : 12/06/25
Client: _____ **Curve Identifier:** 12/6/2025
Analysis: Sulfate, SO4 **Analysis Analyte:** Sulfate
Method: SM 4500SO4-E **Analysis Date:** 12/6/2025 22:20
Instrument: SPEC 6 **Preparation Date:** 12/6/2025 22:20
Wavelength: 420 nm **Technician:** MAW
Spike Volume(ml): 0.5 **Work group:** WG2150496
Spike Concentration (mg/l): 1000 **RL:** 10 mg/l
Cell: 2.5 cm

Standard ID	Mean signal (pk area) abs	Dilution	Calc-ed Result
0	0.000	1.0	1.77
10	0.163	1.0	8.69
20	0.392	1.0	18.4
40	0.927	1.0	41.1

Calibration Curve
Volume: 25 ml

Slope	y-intercept
0.023560	-0.0418

Correlation Coefficient
0.995103

ICV/LCS Concentration (mg/l) = 20.0000

	Sample number	Sample Volume (ml)	Final Volume (ml)	Bkgd. Abs.	Gross Abs.	Net Absorbance	RESULT (mg/l)	Dilution Factor	RL Multiplier	FINAL RESULT (mg/l)	
	BLANK	25	25	0	0	0.000	1.928	1	1.0	1.9	Recovery
	ICV/LCS	25	25	0	0.426	0.426	19.833	1	1.0	19.8	99%
SAMP	L2575576-01	25	25	0.011	0.028	0.017	2.642	1	1.0	2.6	FILTER
SAMP	L2575576-02	25	25	0.053	0.269	0.216	11.006	1	1.0	11.0	
SAMP	L2575576-03	25	25	0.017	0.022	0.005	2.138	1	1.0	2.1	
SAMP	L2575576-04	2.5	25	0	0.753	0.753	33.577	1	10.0	335.8	FILTER
SAMP	L2575576-05	25	25	0.022	0.025	0.003	2.054	1	1.0	2.1	
SAMP	L2575576-06	25	25	0.022	0.027	0.005	2.138	1	1.0	2.1	
	CCV	25	25	0	0.421	0.421	19.623	1	1.0	19.6	
	CCB	25	25	0	0.004	0.004	2.096	1	1.0	2.1	
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
BLANK	WG2150496-1	25	25	0.000	0.000	0.000	1.928	1	1.0	1.9	
DUP	WG2150496-3	25	25	0.018	0.021	0.003	2.054	1	1.0	2.1	L2575576-03

	Sample number	sample volume	Final volume (ml)	Bkgd. Abs.	Gross Abs.	Absorbance	Sample Result mg/l	Spiked Volume	Spike conc. mg/l	Spike Result mg/l	Recovery %
MS	WG2150496-4	12.5	25	0.009	0.375	0.366	2.100	25	20.0000	35	163
											L2575576-03
LCS	WG2150496-2	25	25	0	0.426	0.426		1	20.0000	20	99

Quality Control

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: MW-16S	**Matrix**	: WATER
Lab Sample ID	: L2575576-03		
Matrix Spike	: WG2150496-4	**MS Analysis Date**	: 12/06/25 22:20
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample				Matrix Spike Duplicate					
	Sample Conc.	Spike Added	Spike Conc.	%R		Spike Added	Spike Conc.	%R	RPD	Recovery Limits	RPD Limit
Parameter	(mg/l)	(mg/l)	(mg/l)			(mg/l)	(mg/l)				
Sulfate	2.1J	20	35.	175	Q					55-147	14

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: MW-16S	**Matrix**	: WATER
Lab Sample ID	: L2575576-03	**Analysis Date**	: 12/06/25 22:20
Dup Sample ID	: WG2150496-3	**DUP Analysis Date**	: 12/06/25 22:20

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Sulfate	2.1J	2.1J	NC	14

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2150496-2	**LCS Analysis Date**	: 12/06/25 22:20
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Sulfate	20.0	20.0	100.					90-110	14

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Sulfate	14808-79-8	10	1.37	mg/l	90-110		55-147	14	14	4500SO4-E	28 days	1 - Plastic 500ml unpreserved
Sulfate	14808-79-8	10	1.37	mg/l	90-110		55-147	14	14	9038	28 days	1 - Plastic 500ml unpreserved

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

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Sulfate	14808-79-8	100	13.6	mg/kg	80-121	12	22-183	12	12	9038	28 days	1 - Glass 250ml/8oz unpreserved

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

Calculations of Sulfate

Aqueous samples:

Calculate the concentration value of the sample directly from the standard curve.

$$mgSO_4/L = \frac{\text{absorbance - y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

If sample has a background absorbance, it has to be subtracted before calculation.

Cyanide Analysis

Results

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2575576
Project Name	:	1000 TURK HILL RD GWS	Project Number	:	3113.0001Y000
Lab ID	:	L2575576-08	Date Collected	:	11/25/25 12:00
Client ID	:	WC-112525	Date Received	:	11/25/25
Sample Location	:	FAIRPORT, NY	Date Analyzed	:	12/04/25 12:15
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	1,9010C/9012B	Analyst	:	JER
Lab File ID	:	TCN120425-A1	Instrument ID	:	LACHAT
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	12/03/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	ND	0.005	0.001	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2149184-1	**Date Collected**	: NA
Client ID	: WG2149184-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/04/25 11:50
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9010C/9012B	**Analyst**	: JER
Lab File ID	: TCN120425-A1	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 12/03/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-12-5	Cyanide, Total	ND	0.005	0.001	U

Sample Raw Data

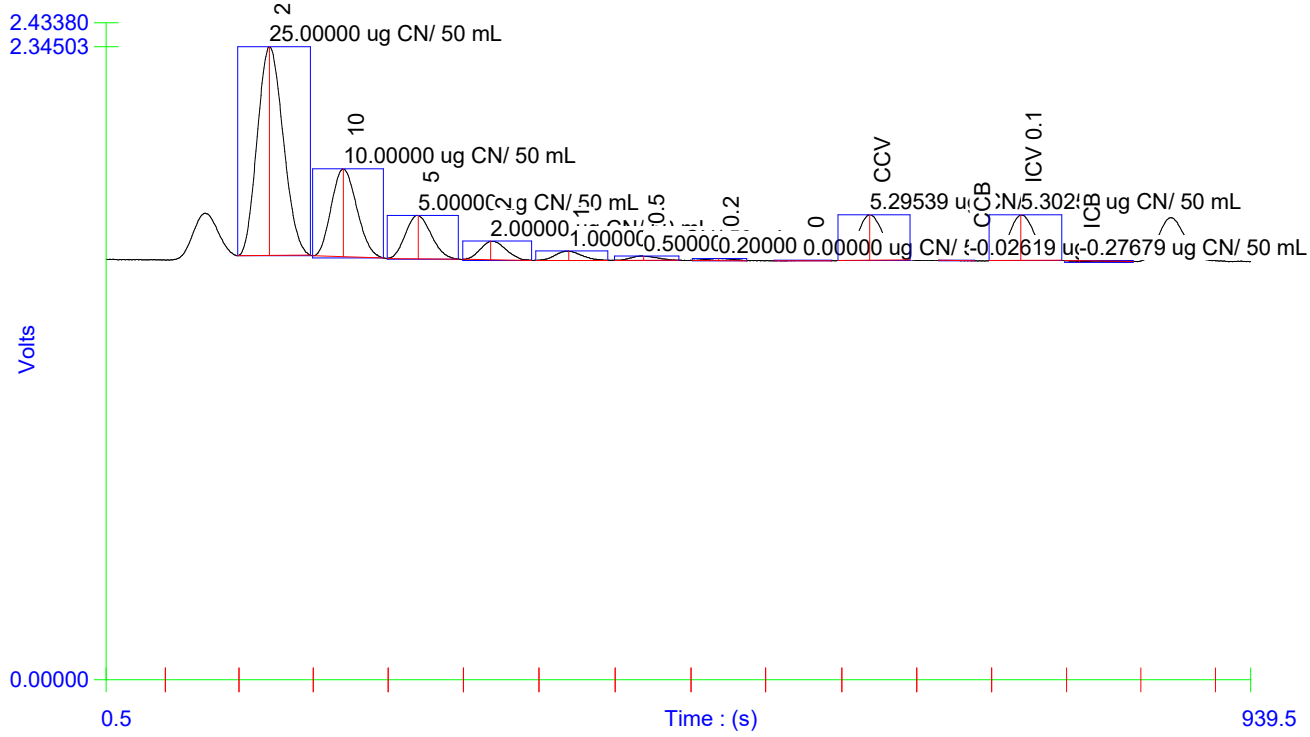
Author: wetchem16 Date : 12/4/2025

Original Run Filename: OM_12-4-2025_11-28-14AM.OMN Created: 12/4/2025 11:28:14 AM
Original Run Author's Signature: [wetchem16]
Current Run Filename: OM_12-4-2025_11-28-14AM.OMN Last Modified: 12/4/2025 11:44:05 AM
Current Run Author's Signature: [wetchem16]
Description: 10-204-00-1-A

Sample	Rep.	Cup No.	Channel 1 Cyanide (ug CN/ 50 mL)	ADF	MDF	Weight
25	1	S1	25.00000			
10	1	S2	10.00000			
5	1	S3	5.00000			
2	1	S4	2.00000			
1	1	S5	1.00000			
0.5	1	S6	0.50000			
0.2	1	S7	0.20000			
0	1	S8	0.00000			
CCV	1	S3	5.29539			
		Known Conc:	0.10000			
		Calibration:	Table/Fig. : 1			
CCB	1	S8	-0.02619			
		Known Conc:	0.00000			
ICV 0.1	1	1	0.10605			50.00000 g
ICB	1	2	-0.00554			50.00000 g

REINJECTED

Channel 1 (Cyanide) - Current View

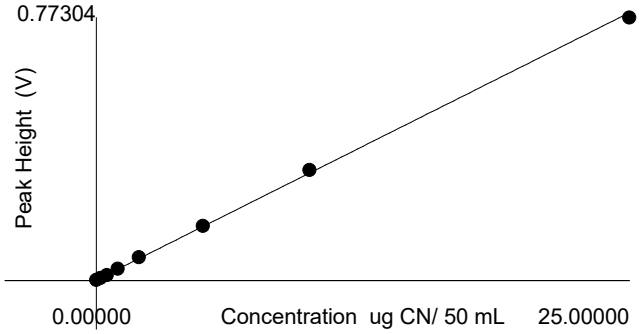


Author: wetchem16 Date : 12/4/2025

Table : 1 (Cyanide)

	Known Conc. (ug CN/ 50 mL)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (ug CN/ 50 mL)	Detection Date	Detection Time
1	25.00000	1	19.01083	0.77304	0.0	1.8	24.52122	12/4/2025	11:29:05 AM
2	10.00000	1	7.86383	0.32526	0.0	-2.9	10.28145	12/4/2025	11:30:05 AM
3	5.00000	1	3.91637	0.16057	0.0	-0.9	5.04403	12/4/2025	11:31:06 AM
4	2.00000	1	1.66121	0.06907	0.0	-6.6	2.13425	12/4/2025	11:32:08 AM
5	1.00000	1	0.85484	0.03456	0.0	-3.5	1.03687	12/4/2025	11:33:10 AM
6	0.50000	1	0.39781	0.01639	0.0	7.3	0.45899	12/4/2025	11:34:12 AM
7	0.20000	1	0.19119	0.00798	0.0	3.3	0.19162	12/4/2025	11:35:14 AM
8	0.00000	1	0.04594	0.00197			0.00042	12/4/2025	11:36:17 AM

Figure : 1 (Cyanide)



Height = 0.03142 * Conc + 0.00197
Conc = 31.80103 * Height - 0.06225
Correlation Coefficient (r) = 0.99996

Weighting : 1/x

Author: wetchem16 Date : 12/4/2025

Original Run Filename: OM_12-4-2025_11-44-29AM.OMN Created: 12/4/2025 11:44:29 AM
Original Run Author's Signature: [wetchem16]
Current Run Filename: OM_12-4-2025_11-44-29AM.OMN Last Modified: 12/4/2025 12:51:43 PM
Current Run Author's Signature: [wetchem16]
Description: 10-204-00-1-A

Sample	Rep.	Cup No.	Channel 1 Cyanide (ug CN/ 50 mL)	ADF	MDF	Weight	
CCV	1	S3	5.06849				
	Known Conc:		0.10000				
	Calibration:		Table/Fig. : 1				
CCB	1	S8	-0.10880				
	Known Conc:		0.00000				
ICV 0.1	1	1	0.10322			50.00000 g	
ICB	1	2	-0.00266			50.00000 g	
LCS N-D 12/03	1	3	0.09757			50.00000 g	
WG2149184-1	1	4	-0.00326			50.00000 g	
WG2149184-2	1	5	0.11256			50.00000 g	113%
WG2149184-3	1	6	0.10949			50.00000 g	109%
LCS HIGH	1	7	0.20089			50.00000 g	100%
L2574750-01	1	8	0.24558			50.00000 g	
L2574750-02	1	9	0.00726			50.00000 g	
L2574784-02	1	10	0.02906			50.00000 g	
CCV	1	S3	5.30282				
	Known Conc:		0.10000				
CCB	1	S8	-0.12920				
	Known Conc:		0.00000				
L2574784-03	1	11	0.00204			50.00000 g	
L2574784-04	1	12	0.00029			50.00000 g	
L2575112-03	1	13	0.00013			50.00000 g	
L2575112-05	1	14	0.00056			50.00000 g	
L2575175-01	1	15	0.00259			50.00000 g	
WG2149184-4	1	16	0.22585			50.00000 g	113%
WG2149184-5	1	17	0.23016			50.00000 g	115%
L2575175-03	1	18	-0.00219			50.00000 g	
WG2149184-6	1	19	0.23195			50.00000 g	116%
WG2149184-7	1	20	0.23365			50.00000 g	117%
CCV	1	S3	5.17574				
	Known Conc:		0.10000				
CCB	1	S8	-0.14212				
	Known Conc:		0.00000				
L2575175-04	1	21	-0.00265			50.00000 g	
L2575175-05	1	22	-0.00069			50.00000 g	
L2575175-06	1	23	0.00039			50.00000 g	
L2575175-08	1	24	-0.00017			50.00000 g	
L2575576-08	1	25	0.00106			50.00000 g	
L2574388-30	1	26	0.00430			50.00000 g	
L2574388-33	1	27	0.00114			50.00000 g	
L2574388-34	1	28	0.00066			50.00000 g	
WG2149187-1	1	29	0.00059			50.00000 g	
WG2149187-2	1	30	0.05569			50.00000 g	
CCV	1	S3	5.22954				
	Known Conc:		0.10000				
CCB	1	S8	-0.11244				
	Known Conc:		0.00000				
LCS HIGH	1	31	0.16867			50.00000 g	
L2574520-01	1	32	0.03603			50.00000 g	
L2575052-01	1	33	-0.00011			50.00000 g	
L2575287-01	1	34	-0.00230			50.00000 g	
L2575471-01	1	35	0.00562			50.00000 g	
L2576157-01	1	36	0.03160			50.00000 g	
WG2149187-3	1	37	0.27263			50.00000 g	
WG2149187-4	1	38	0.03352			50.00000 g	
L2576157-02	1	39	0.00405			50.00000 g	
L2576161-01	1	40	0.00403			50.00000 g	
CCV	1	S3	5.15012				
	Known Conc:		0.10000				

WG2149188

REPREP

REPREP

CCB	1	S8	-0.17614			
		Known Conc:	0.00000			
L2576161-02	1	41	-8.07978e-5			50.00000 g
L2576232-01	1	42	0.00037			50.00000 g
L2576260-01	1	43	0.00130			50.00000 g
L2576260-02	1	44	0.00253			50.00000 g
L2576261-01	1	45	0.06066			50.00000 g
L2576261-02	1	46	0.00839			50.00000 g
L2576355-02	1	47	0.00193			50.00000 g
L2576356-02	1	48	0.00051			50.00000 g
WG2149187-2	1	30	0.05325			50.00000 g
CCV	1	S3	5.31855			
		Known Conc:	0.10000			
CCB	1	S8	-0.17000			
		Known Conc:	0.00000			

Channel 1 (Cyanide) - Current View

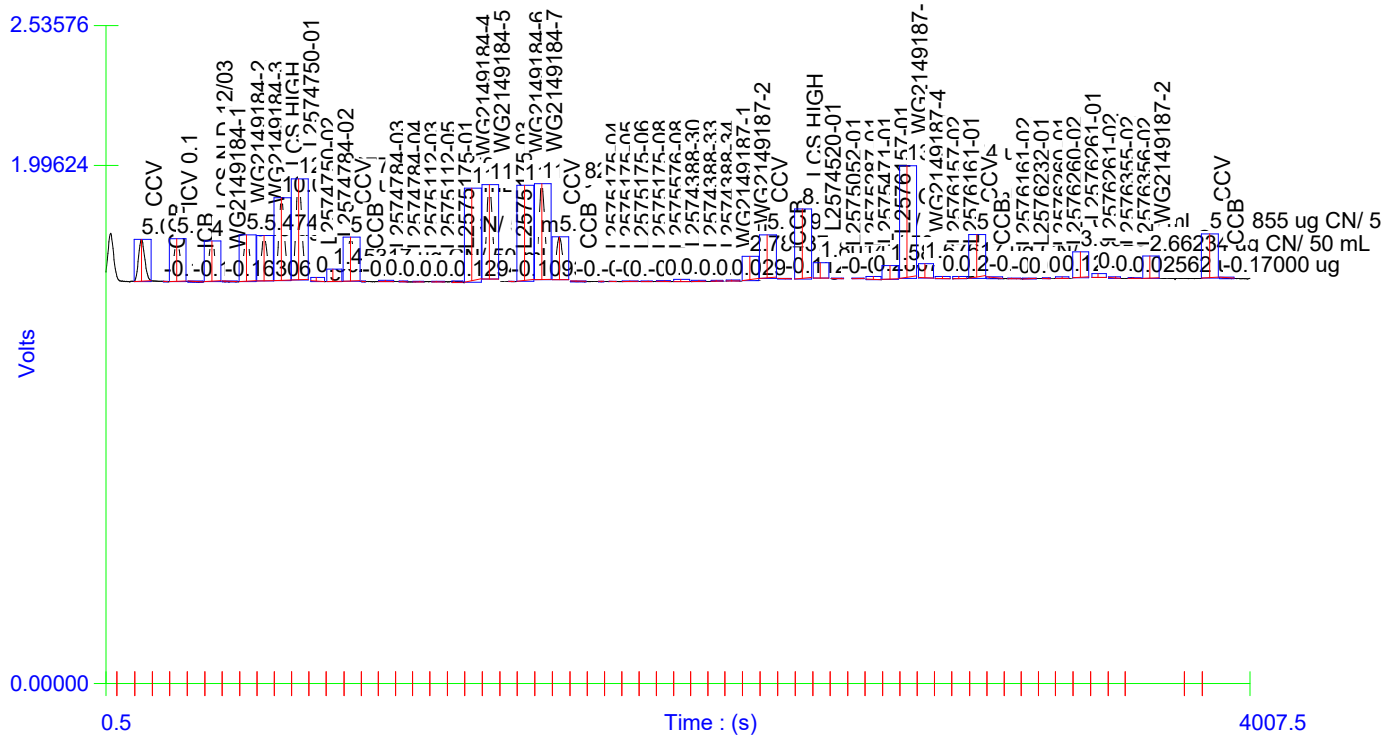
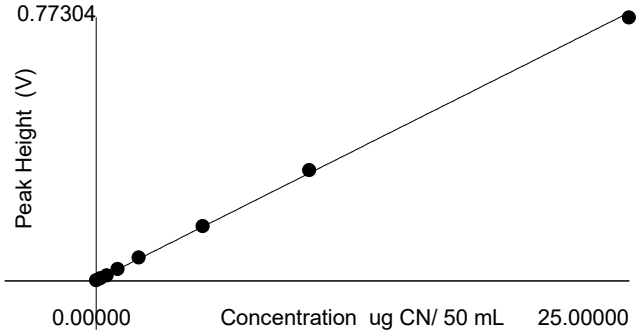


Table : 1 (Cyanide)

	Known Conc. (ug CN/ 50 mL)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (ug CN/ 50 mL)	Detection Date	Detection Time
1	25.00000	1	19.01083	0.77304	0.0	1.8	24.52122	12/4/2025	11:29:05 AM
2	10.00000	1	7.86383	0.32526	0.0	-2.9	10.28145	12/4/2025	11:30:05 AM
3	5.00000	1	3.91637	0.16057	0.0	-0.9	5.04403	12/4/2025	11:31:06 AM
4	2.00000	1	1.66121	0.06907	0.0	-6.6	2.13425	12/4/2025	11:32:08 AM
5	1.00000	1	0.85484	0.03456	0.0	-3.5	1.03687	12/4/2025	11:33:10 AM
6	0.50000	1	0.39781	0.01639	0.0	7.3	0.45899	12/4/2025	11:34:12 AM
7	0.20000	1	0.19119	0.00798	0.0	3.3	0.19162	12/4/2025	11:35:14 AM
8	0.00000	1	0.04594	0.00197			0.00042	12/4/2025	11:36:17 AM

Author: wetchem16 Date : 12/4/2025

Figure : 1 (Cyanide)



Height = 0.03142 * Conc + 0.00197
Conc = 31.80103 * Height - 0.06225
Correlation Coefficient (r) = 0.99996

Weighting : 1/x

Quality Control

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: L2575175-01		
Matrix Spike	: WG2149184-4	**MS Analysis Date**	: 12/04/25 12:04
Matrix Spike Dup	: WG2149184-5	**MSD Analysis Date**	: 12/04/25 12:05

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Cyanide, Total	0.002J	0.2	0.226	113	0.2	0.230	115	1	80-120	20

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: L2575175-03		
Matrix Spike	: WG2149184-6	**MS Analysis Date**	: 12/04/25 12:07
Matrix Spike Dup	: WG2149184-7	**MSD Analysis Date**	: 12/04/25 12:08

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Cyanide, Total	ND	0.2	0.232	116	0.2	0.234	117	1	80-120	20

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2149184-2	**LCS Analysis Date**	: 12/04/25 11:51
Dup Sample ID	: WG2149184-3	**LCSD Analysis Date**	: 12/04/25 11:52

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Cyanide, Total	0.100	0.112	112.	0.100	0.109	109.	3	85-115	20

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Cyanide, Total	57-12-5	0.005	0.0018	mg/l	90-110		90-110	30	30	4500CN-CE	14 days	1 - Plastic 250ml NaOH preserved

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

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Cyanide, Total	57-12-5	1	0.212	mg/kg	80-120	35	65-135	35	35	4500CN-CE	14 days	1 - Glass 250ml/8oz unpreserved
Cyanide, Total	57-12-5	1	0.212	mg/kg	80-120	35	75-125	35	35	9010C/9012B	14 days	1 - Glass 250ml/8oz unpreserved

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

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Cyanide, Free	57-12-5	2	0.544	ug/l	75-125		70-130	20	20	9016	14 days	1 - Brown Plastic 120ml NaOH preserved

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

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Cyanide, Free	57-12-5	1	1	mg/kg						4500CN-E(M)	14 days	1 - Glass 250ml/8oz unpreserved

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

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Cyanide, Physiologically Available	57-12-5	0.005	0.0017	mg/l	80-120		75-125	20	20	9014(M)	14 days	1 - Plastic 250ml NaOH preserved

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

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Cyanide, Physiologically Available	57-12-5	1	0.125	mg/kg	75-125	20	75-125	20	20	9014(M)	14 days	1 - Glass 250ml/8oz unpreserved

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

Calculations of Total Cyanide

Aqueous Samples

The instrument will calculate the concentration (µg/50mL).

Result, mg/L = Cs x (1mg/1000µg) x (1000mL/1L) x (DF)

Where:

C_s = Concentration of sample (µg/50mL)

DF = Dilution Factor

Soil or Solid Samples

Soil samples are calculated as follows:

$$\text{Result, mg/Kg} = \frac{C_s \times (1\text{mg}/1000\mu\text{g}) \times (1000\text{g}/1\text{Kg}) \times (DF)}{A}$$

Where:

C_s = Concentration of sample (µg/50mL)

DF = Dilution Factor

$$A = \frac{\text{Sample weight (grams)}}{\text{Final Volume (50mL)}}$$

Dry weight correction

Dry weight correction is calculated as follows:

$$\text{Final concentration in mg/Kg, dry weight} = \frac{\text{Result, mg/Kg}}{\text{\% solids}}$$

Where:

%solids = Percent Solids, as a decimal value

Calculations of Free Cyanide

Aqueous Samples:

Calculate the concentration value of the sample (in ug/L) directly from the standard curve in spectrophotometric sample:

$$\text{ugFCN/L} = \frac{\text{absorbance} - \text{y-intercept}}{\text{slope}} \times \text{Dilution}$$

$$\frac{\mu g}{L}\ \text{free}\ CN^-\ \text{in aqueous sample} =$$

$$\frac{1.3\ \text{mL (center chamber solution volume)}}{3.0\ \text{mL (outer chamber solution volume)}} \times \frac{\mu g}{L}\ \text{free}\ CN^-\ \text{in spectrophotometric sample}$$

Soil Samples:

$$\frac{\mu g}{g}\ \text{free}\ CN^-\ \text{in solid sample} = \frac{\mu g}{L}\ \text{free}\ CN^-\ \text{in extract sample} \times \frac{\text{Final extract solution volume (L)}}{\text{Sample mass (g)}}$$

To calculate final result for soil samples based on dry weight, multiply final result on 100 and divide on %TS (in %)

FCN mg/kg (dry weight) = FCN mg/kg x 100 / TS (%)

Sequence Logs

Project No. _____

Book No. _____

TITLE TCN 12 04 25 JRR

From Page No. ~~TRAY A~~

TRAY A

1 FCU0.1
2 FLB
3 LCSN-D 12/04
4 WCH21491184-1 Blank
5 (9188)-2 LCS
6 -3 LCSD
7 LCSTi
8 74350-01
9 -02
10 74784-02
11 -03
12 -04
13 75112-03
14 -05
15 75175-01
16 -01MS
17 -01MSD
18 -03
19 -03MS
20 -03MSD
21 -04
22 -05
23 -06
24 -08
25 75576-08
26 74388-30
27 -33
28 -34
29 WCH21491187-1Blank
30 -2 LCS
31 LCSTi
32 74520-01
33 75053-01
34 75287-01
35 75471-01
36 76157-01
37 -01MS
38 76157-01 DUP
39 -02
42 76232-01
43 76260-01
44 -02
45 76261-01
46 -02
47 76355-02
48 76356-02
49 76161-01
50 -02

TRAY B

1 WCH21491861-1 Blank
2 -2 LCS
3 -3 LCSD
4 LCSTi
5 75045-02
6 -02MS
7 -02MSD
8 -03
9 -03MS
10 -03MSD
11 -04
12 -05
13 -06
14 -07
15 -08
16 -09
17 -10
18 -11
19 -12
20 75559-01
21 -02
22 -03
23 -04
24 -05
25 -06
26 -07

To Page No. _____

Witnessed & Understood by me, Date

Invented by: Date

Recorded by:

From Page No. IRA4B (cont.)

27 76153-01
28 76423-05
29 WG2149860-1 Blank
30 -2 LCS
31 -3 LCSD
32 LCSH:
33 75149-07
34 -07MS
35 -07MSD
36 -08
37 -08MS
38 -08MSD
39 -09
40 -11
41 75875-01
42 -02
43 -03
44 -04
45 -05
46 -06
47 -07
48 -08
49 76452-02

IRA4C

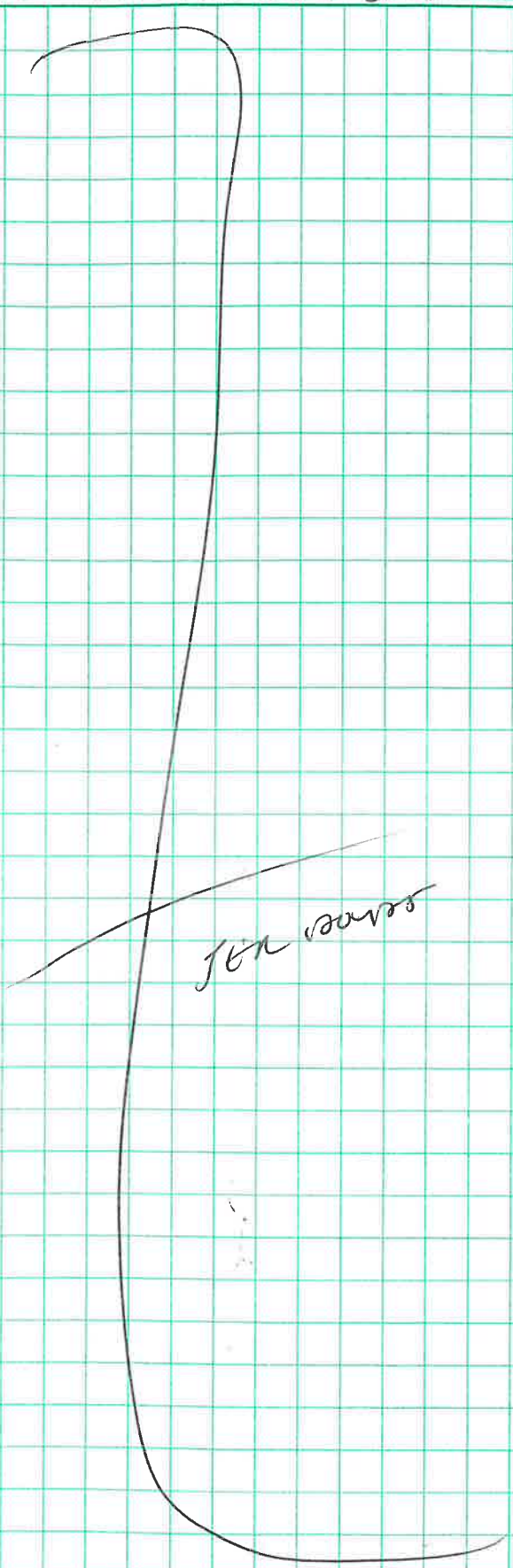
1 WG2149536-1 Blank
2 (953)-2 LCS
3 -3 LCSD
4 LCSH:
5 74979-07
6 -07MS
7 -07MSD
8 74531-01
9 -01MS
10 -01MSD
11 WG2149532-1 Blank
12 -2 LCS
13 -3 LCSD
14 LCSH:
15 74527-01
16 -01MS
17 -01MSD
18 -02
19 -02MS
20 -02MSD
21 74832-01
22 -02
23 74848-01
24 -02
25 -03
26 -04
27 -05
28 -06
29 -07
30 -08
31 -09
32 -10
33 -11
34 -12
35 -13
36 75140-01
37 -02
38 WG2149534-1 Blank
39 -2 LCS
40 -3 LCSD
41 LCSH:
42 74979-01
43 -01MS
44 -01MSD
45 -02
46 -03
47 -04
48 -05
49 -06

JFR 120425

To Page No. _____

From Page No. TRAY C [CONT.]

50 WG724 9686-1 Blank
51 -2 LCS
52 LCS1-1
53 74520-01
54 76157-01
55 -02
56 76261-01
57 -01MS
58 -01DUP
59 -02



Witnessed & Understood by me,

Date

Invented by:

Recorded by:

Pyridine-Barbituric: TCN-120128-B
Acetate Buffer: TCN-112025-A
Chloramine-T: TCN-120425-C
Sodium Hydroxide: TCN-120321-C

Sample Preparation

Block ID: 2+4 376 Dwt

WG2149184 WG2149188 WG2149187

Sulfamic Acid, 0.4N	Sulfuric Acid, 50%	MgCl2, 2.5M	NaOH, 1N	LCS, 10ppm	MS, 10ppm
Lot#: TCN- 11 26 25	Lot#: TCN- 11 26 25	Lot#: TCN- 11 18 25	Lot#: TCN- 12 3 25	Lot#: TCN- 12 3 25	Lot#: TCN- 12 3 25

Tube ID	Sample	Date	Analyst	Vol. (mL)	pH	pH Adjusted	Cl2 Check	Cl2 treated	S-2 Check	S-2 treated	Spike Vol (mL)	Sulfamic Acid (mL)	H2SO4 (mL)	MgCl2 (mL)	NaOH (mL)	Final Vol (mL)	Comment
1	74750-01	12 3 25	Dwt	50	>12		–		–		–	5	5	2	5	50	
2	-02				>12		–		–		–						
3	74784-02				>12		–		–		–						
4	-03				>12		–		–		–						
5	-04				>12		–		–		–						
6	75112-03				>12		–		–		–						Start 17:00
7	-05				>12		–		–		–						Stop 18:50
8	75175-01				>12		–		–		–						
9	-01 MS				>12		–		–		1						
10	-01 MSD				>12		–		–		1						
					–		+		<		–						
11	-03				>12		–		<		–						
12	-03 MS				>12		–		–		1						
13	-03 MSD				>12		–		–		1						
14	-04				>12		<		–		–						
15	-05				>12		–		–		–						
16	-06				>12		–		–		–						
17	-08				>12		<		–		–						
18	75576-08				>12		<		–		–						
19	Blank				>12		–		–		–						
20	LCS/MS	↓	↓	↓	>12		<		–		1	↓	↓	↓	↓	↓	

Block ID: 376

Sulfamic Acid, 0.4N	Sulfuric Acid, 50%	MgCl2, 2.5M	NaOH, 1N	LCS, 10ppm	MS, 10ppm
Lot#: TCN- 11 26 25	Lot#: TCN- 11 24 25	Lot#: TCN- 11 18 25	Lot#: TCN- 12 3 25	Lot#: TCN- 12 3 25	Lot#: TCN- 12 3 25

Tube ID	Sample	Date	Analyst	Vol. (mL)	pH	pH Adjusted	Cl2 Check	Cl2 treated	S-2 Check	S-2 treated	Spike Vol (mL)	Sulfamic Acid (mL)	H2SO4 (mL)	MgCl2 (mL)	NaOH (mL)	Final Vol (mL)	Comment
1	LCS	12 3 25	DWH	50	–		–		–		0.5	5	5	2	5	50	
2	LCSD				–		–		–		0.5						
3	74388-30				>12		–		–		–						
4	-33				>12		–		–		–						
5	-34				>12		–		–		–						
6	74520-01				>12		–		–		–						
7	75052-01				>12		–		–		–						
8	75287-01				>12		–		–		–						
9	75471-01				>12		–		–		–						
10	76157-01				>12		–		–		–						
					–		–		–		–						
11	-01 MS				>12		–		–		1						
12	-01 DUP				>12		–		–		–						
13	-02				>12		–		–		–						
14	76161-01				>12		–		–		–						
15	-02				>12		–		–		–						
16	76232-01				>12		–		–		–						
17	76260-01				>12		–		–		–						
18	-02				>12		–		–		–						
19	76261-01				>12		–		–		–						
20	-02	↓	↓	↓	>12		–		–		–	↓	↓	↓	↓	↓	

Block ID: 1

Sulfamic Acid, 0.4N	Sulfuric Acid, 50%	MgCl2, 2.5M	NaOH, 1N	LCS, 10ppm	MS, 10ppm
Lot#: TCN- 11 26 25	Lot#: TCN- 11 26 25	Lot#: TCN- 11 18 25	Lot#: TCN- 123 25	Lot#: TCN- 123 25	Lot#: TCN- 123 25

Tube ID	Sample	Date	Analyst	Vol. (mL)	pH	pH Adjusted	Cl2 Check	Cl2 treated	S-2 Check	S-2 treated	Spike Vol (mL)	Sulfamic Acid (mL)	H2SO4 (mL)	MgCl2 (mL)	NaOH (mL)	Final Vol (mL)	Comment
1	76355-02	12 3 25	Dwk	50	>12		—		—		—	5	5	2	5	50	
2	76356-02	↓	↓	↓	>12		—		—		—	↓	↓	↓	↓	↓	
3	Blank				—		—		—		—						
4	Lcs Hi				—		—		—		—						
5	Lcs	↓	↓	↓	✓		✓		—		1 0.5	↓	↓	↓	↓	↓	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	

Blank 12 3 25

Flashpoint
Analysis

Results

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2575576
Project Name	:	1000 TURK HILL RD GWS	Project Number	:	3113.0001Y000
Lab ID	:	L2575576-08	Date Collected	:	11/25/25 12:00
Client ID	:	WC-112525	Date Received	:	11/25/25
Sample Location	:	FAIRPORT, NY	Date Analyzed	:	12/05/25 15:30
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	1,1010A	Analyst	:	MRM
Lab File ID	:	WG2150215.csv	Instrument ID	:	PMCCT
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

			deg F		
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Flash Point	>150	70	NA	

Sample Raw Data

PACE ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

FLASH POINT

Last Change 12/20/01 GFF
File flash.xlt

Sample Number: _____

Client: _____

Analysis: FLASHPOINT
Instrument: PMCCT
Method: EPA 1010

Product: FLASH
Analyte: FLASH POINT,
Analysis Date: 12/5/2025 15:30
Technician: MRM
Work group: WG2150215
MDL: none

	Sample Number	Comments (do not use commas)	Results Degrees F
SAMP	L2575576-08		>150
LCS	WG2150215-1		82.85

Quality Control

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2150215-1	**LCS Analysis Date**	: 12/05/25 15:30
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (deg F)**	**Found (deg F)**	**%R**	**True (deg F)**	**Found (deg F)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Flash Point	**81.0**	**82.9**	**102.**					**96-104**	

Sample Preparation

Sample	Matrix	Pretest temp (°F)	Pretest result	mm Hg "P"	C.F	Flash result	Flash temp (°F)	Adj. temp (°F)	Thermo meter#	Date	Time MDH	Chemist	Comments
PXylene	2		757.428 →		-0.15	83 ↔	+	82.85	8815	12/5/25	~~1550~~	MDH	102
Water	1					–	>150		22167		1530		
75576-08	1	66	–			–	>150		8815				
73128-01	3	66	–			–	>150		22167				
74180-01	3	66	–			–	>150		8815				
74181-01	3	66	–			–	>150		22167				
74234-03	3	66	–			–	>150		8815				
74425-01	3	66	–			–	>150		22167				
-02	↓	66	–			–	>150		8815				
75788-01	5	66	–			–	>150		22167				
PXylene	2					+	83	82.85	8815				
Water	1					–	>150		22167				
								MDH					

WG215021516

Hexavalent Chromium Analysis

Results

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2575576
Project Name	:	1000 TURK HILL RD GWS	Project Number	:	3113.0001Y000
Lab ID	:	L2575576-08	Date Collected	:	11/25/25 12:00
Client ID	:	WC-112525	Date Received	:	11/25/25
Sample Location	:	FAIRPORT, NY	Date Analyzed	:	11/26/25 08:23
Sample Matrix	:	WATER	Dilution Factor	:	5
Analytical Method	:	1,7196A	Analyst	:	DMO
Lab File ID	:	WG2146762.csv	Instrument ID	:	GENSYS 10S
Sample Amount	:	10	%Solids	:	N/A
Digestion Method	:		Date Digested	:	11/26/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
18540-29-9	Chromium, Hexavalent	ND	0.050	0.015	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2575576
Project Name	: 1000 TURK HILL RD GWS	Project Number	: 3113.0001Y000
Lab ID	: WG2146762-1	Date Collected	: NA
Client ID	: WG2146762-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/26/25 08:22
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,7196A	Analyst	: DMO
Lab File ID	: WG2146762.csv	Instrument ID	: GENSYS 10S
Sample Amount	: 50	%Solids	: N/A
Digestion Method	:	Date Digested	: 11/26/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
18540-29-9	Chromium, Hexavalent	ND	0.010	0.003	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Lab ID	: WG2146762-3	**Date Collected**	: 11/25/25 12:00
Client ID	: WC-112525DUP	**Date Received**	: 11/25/25
Sample Location	:	**Date Analyzed**	: 11/26/25 08:24
Sample Matrix	: WATER	**Dilution Factor**	: 5
Analytical Method	: 1,7196A	**Analyst**	: DMO
Lab File ID	: WG2146762.csv	**Instrument ID**	: GENSYS 10S
Sample Amount	: 10	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 11/26/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
18540-29-9	Chromium, Hexavalent	ND	0.050	0.015	U

Sample Raw Data

PACE ANALYTICAL

WET CHEMISTRY DEPARTMENT

CHROMIUM, HEXAVALENT

Last Change 3/4/13 gff
File HEXCR-L.xlt

SOP No.: 07-12

Product: HEXCR-7196
Curve Calibration Date : 11/4/2025
Curve Identifier: 110425

Analysis: Hexavalent Chromium
Method: EPA 7196A
Instrument: GENSYS 10S UV-VIS SPEC3
Wavelength: 540 nm
Spike Volume(ml): 1
Spike Solution (mg/l): 5

Analyte: Chromium, Hexavalent
Prep Date/Time: 11/26/25 8:10
Technician: DMO
Work group: WG2146762
RDL: 0.01 mg/l

Get Samples

Save to LIMS

Standard ID	Mean signal (pk area) abs
0	0.000
0.005	0.007
0.01	0.016
0.02	0.031
0.05	0.080
0.1	0.160
0.2	0.319
0.5	0.784

Calibration Curve
Volume: 50 ml

Slope	y-intercept
1.570149	0.000927284

Correlation Coefficient
0.999969

ICV/LCS Concentration (mg/l) = 0.20

Reagents/Media Information

Material	Lot No.
Calibration Stds.:	HEX_091925_1PPM
ICV/LCS:	HEX_103025_LCS
CCV:	HEX_103025_LCS
MS ($K_2Cr_2O_7$):	HEX_111525_MS
10% H_2SO_4:	HEX_111925_H2SO4
Diphenylcarbazide	HEX_112025_COLOR
NaOH (1N):	R-4429
Filter Lot:	66238837

CHOOSE METHOD

HEXCR-7196 | TCLP-HEXCR | HEXCR-3500 | HEXC | HEXCR-7196-PPB | HEXCR-3500-PPB | SPLP-HEXCR

Time	Date	Sample number	Sample Volume (ml)	Final Volume (ml)	Absorbance	Background Absorbance	Net Absorbance	RESULT (mg/l)	Dilution Factor		RDL Multiplier	FINAL RESULT (mg/l)	
8:22	11/26/2025	BLANK	50	50	0		0.000	0.000	1		1.0	0.000	Recovery %
8:23	11/26/2025	ICV/LCS	50	50	0.337		0.337	0.214	1		1.0	0.214	107%
8:23	11/26/2025	L2575576-08	10	50	0		0.000	0.000	1		5.0	0.000	
8:25	11/26/2025	CCV	50	50	0.337		0.337	0.214	1		1.0	0.214	
8:26	11/26/2025	CCB	50	50	0		0.000	0.000	1		1.0	0.000	
			50	50					1		1.0		
			50	50					1		1.0		
			50	50					1		1.0		
			50	50					1		1.0		
			50	50					1		1.0		
			50	50					1		1.0		
			50	50					1		1.0		
			50	50					1		1.0		
			50	50					1		1.0		
			50	50					1		1.0		
			50	50					1		1.0		
			50	50					1		1.0		
			50	50					1		1.0		
			50	50					1		1.0		
			50	50					1		1.0		
			50	50					1		1.0		
			10	50					1		5.0		
			50	50					1		1.0		
			50	50					1		1.0		
			50	50					1		1.0		
			50	50					1		1.0		
			50	50					1		1.0		
			50	50					1		1.0		
8:22	11/26/2025	WG2146762-1	50	50	0		0.000	0.000	1		1.0	0.000	
8:24	11/26/2025	WG2146762-3	10	50	0		0.000	0.000	1		5.0	0.000	DUP

		Sample number	Sample volume	Final volume (ml)	Absorbance	Background Absorbance	Net Absorbance	Sample Result mg/l	Dilution Factor	Spike conc. mg/l		Spike Result mg/l	Recovery %
8:25	11/26/2025	WG2146762-4	10	50	0.17		0.170	0.000	1	0.5	5.0	0.538	108
			50	50					1	0.1	1.0		
8:23	11/26/2025	WG2146762-2	50	50	0.337		0.337		1	0.20	1.0	0.214	107%
			50	50					1	0.20	1.0		

COMMENTS & OBSERVATIONS	SAMPLE RESULTS
pH=1.9	BLANK
pH=1.9	ICV/LCS
pH=1.9 BASIC FILTER + 5X DILUTION	L2575576-08
pH=1.9	CCV
pH=1.9	CCB
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
pH=1.9	WG2146762-1
L2575576-08pH=1.9 BASIC FILTER + 5X DILUTION	WG2146762-3

L2575576-08pH=1.9 BASIC FILTER + 5X DILUTION	WG2146762-4
	0
LCS	WG2146762-2

Quality Control

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: WC-112525	**Matrix**	: WATER
Lab Sample ID	: L2575576-08		
Matrix Spike	: WG2146762-4	**MS Analysis Date**	: 11/26/25 08:25
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Chromium, Hexavalent	ND	0.5	0.538	108					85-115	20

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: WC-112525	**Matrix**	: WATER
Lab Sample ID	: L2575576-08	**Analysis Date**	: 11/26/25 08:23
Dup Sample ID	: WG2146762-3	**DUP Analysis Date**	: 11/26/25 08:24

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Chromium, Hexavalent	ND	ND	NC	20

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2575576
Project Name	: 1000 TURK HILL RD GWS	**Project Number**	: 3113.0001Y000
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2146762-2	**LCS Analysis Date**	: 11/26/25 08:23
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Chromium, Hexavalent	**0.200**	**0.214**	**107.**					**85-115**	**20**

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Chromium, Hexavalent	18540-29-9	0.01	0.003	mg/l	85-115	20	85-115	20	20	7196A	24 hours	1 - Plastic 500ml unpreserved
Chromium, Hexavalent	18540-29-9	0.01	0.003	mg/l	85-115	20	85-115	20	20	3500Cr-B	24 hours	1 - Plastic 500ml unpreserved

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

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
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WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Chromium, Hexavalent	18540-29-9	0.8	0.16	mg/kg	80-120	20	75-125	20	20	7196A	30 days	1 - Glass 120ml/4oz unpreserved

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

Calculations of Hexavalent Chromium

Aqueous samples:

$$\text{mg } Cr^{+6}/L = \left(\frac{\text{absorbence - y-intercept}}{\text{slope}} \times \text{dilution} \right)$$

Solid samples:

$$\text{mg } Cr^{+6}/Kg = \left(\frac{\text{absorbence - y-intercept}}{\text{slope}} \right) \times \left(\frac{\text{dilution x 0.1L (final volume)}}{\text{weight (Kg) of sample}} \right)$$

APPENDIX B

Data Usability Summary Report (DUSR)

ENVIRONMENTAL CONSULTING & MANAGEMENT
ROUX ASSOCIATES INC
200 Summit Drive, Suite 500
Burlington, Massachusetts 01803 TEL 781-569-4000

January 16, 2026

Matthew Smith
Senior Scientist I
Roux Associates, Inc.
209 Shafter St.
Islandia, NY 11749

Re: Data Usability Summary Report (DUSR) for Turk Hill

Dear Mr. Smith:

Data review was performed for the data packages generated by Pace Analytical for samples collected at 1000 Turk Hill Rd, Fairport, NY. Analytical data for water samples and associated field blanks and trip blanks collected by Roux Associates in November 2025 are discussed in this DUSR.

The data validation was done with guidance from Department of Defense (DOD)[1] and United States Environmental Protection Agency (USEPA)[2] [3] validation documents and included the following items:

- Data completeness
- Laboratory case narratives
- Chain of custody documentation
- Holding times
- Surrogate and internal standard recoveries
- Method, Field, and Trip Blanks
- Laboratory control samples (LCS)/ Laboratory control sample duplicates (LCSD)
- Matrix spike/matrix spike duplicates (MS/MSD)
- Field duplicate samples
- Instrument tunes
- Initial calibration, initial calibration verification, and continuing calibration results

Only items above that have issues potentially affecting data usability are discussed in this report. All of the other items were determined to be acceptable for the DUSR level review, as discussed in NYS DER-10 Appendix B section 2.0. Definitions for data qualifiers are defined at the end of the report.

Data Deliverable Completeness

Full deliverable data packages were provided by the laboratory, which included reporting forms and raw data necessary to validate the reported analytical results.

[1] USDOD, Environmental Data Quality Workgroup. *Data Validation Guidelines Module 5: Data Validation Procedure for Metals by ICP-MS.* 11/09/2022.
[2] USEPA. *National Functional Guidelines for Inorganic Superfund Method Data Review.* EPA 542-R-20-006. November, 2020.
[3] USEPA. *National Functional Guidelines for Organic Superfund Method Data Review.* EPA 540-R-20-005. November, 2020.

Sample Receipt/Holding Times

For job# L2575576, sample WC-112525 was not listed on the chain of custody, but there were sample vials for VOCs, SVOCs, pesticides, and herbicides. As requested by ROUX, the analysis were run for this sample. Note the vials for the SVOC, SVOC-SIM associated with this sample volume was lower than the lab requirements. Unless noted below, all samples were analyzed within the required holding time.

Pace Analytical Job: L2575144

VOC analysis by EPA method 8260

The percent difference (%D) in the continuing calibration verification standard (CCV) for 2-butanone was higher than acceptable. The analyte was non-detect in most of the affected samples and these were given UJ qualifiers. There was an unqualified detection in MW-2D and that was given a J qualifier.

Nitrate analysis

No issues that require additional qualifications.

Sulfate analysis

No issues that require additional qualifications.

TOC analysis by EPA method 9060A

No issues that require additional qualifications.

Pace Analytical Job: L2575576

VOC analysis by EPA method 8260

For sample MW-2S, the water was determined to be above pH 2 and was analyzed outside of the method holding time. The analytes, cis-1,2-dichloroethylene, dichloroethylene, acetone, vinyl chloride, 2-butanone, and trichloroethylene were given J qualifiers. All of the non-detect analytes were given R qualifiers.

The recoveries for chloromethane, bromomethane, trans-1,4-dichloro-2-butene and vinyl acetate were lower than acceptable in the LCS/LCSD associated with samples, DUP-112525, MW-16S, MW-2S, MW-35M, RXMW-9S, WC-112525and the trip blank. The analytes were non-detect in the samples and given R qualifiers.

The percent differences (%D) in the continuing calibration verification standard (CCV) associated with samples, DUP-112525, MW-16S, MW-2S, MW-35M, RXMW-9S, WC-112525and the trip blank were higher than acceptable for acetone, 1,2-dichloroethane, 1,2-dichloropropane, 2-butanone, 4-methyl-2-pentanone, 2-hexanone, and n-propylbenzene. Unqualified detections were given J qualifiers, while non-detects in the samples were given UJ qualifiers.

The percent differences (%D) in the continuing calibration verification standard (CCV) associated with samples, MW-2M were higher than acceptable for benzene, 1,1-dichloroethane, 1,2-dichloroethane, chloromethane, chloroethane, carbon disulfide, trichlorofluoromethane, naphthalene, 1,4-dioxane, trans-1,4-dichloro-2-butene and vinyl acetate. All of the samples were non-detect in the MW-2M and given UJ qualifiers.

SVOC analysis by EPA method 8270E

No issues that require additional qualifications.

SVOC analysis by EPA method 8270E-SIM

The recovery of pentachlorophenol in the LCSD was lower than acceptable. The analyte was non-detect in the WC-112525 and given an R qualifier.

Herbicides analysis by EPA method 8151A
No issues that require additional qualifications.

Pesticide analysis by EPA method 8081B
No issues that require additional qualifications.

PCB analysis by EPA method 8082A
No issues that require additional qualifications.

Nitrate analysis
No issues that require additional qualifications.

Sulfate analysis
No issues that require additional qualifications.

TOC analysis by EPA method 9060A
The RPD between the field duplicate (DUP-112525) and MW-35M was higher than acceptable and both samples were given J qualifiers for this analyte.

Cyanide analysis by EPA method 9012B
No issues that require additional qualifications.

pH analysis by EPA method 9040C
No issues that require additional qualifications.

Metal analysis by EPA method 6020B
No issues that require additional qualifications.

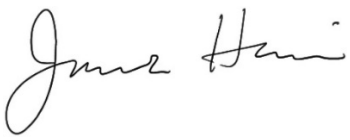
Hexavalent Chromium analysis by EPA method 7196A
No issues that require additional qualifications

Mercury analysis by EPA method 7470A
No issues that require additional qualifications.

Please let me know if you have any questions.

Sincerely

ROUX ASSOCIATES, INC.



James Hauri, PhD
Senior Scientist

Enclosure: Definitions of Validation Data Qualifiers

Definitions of Validation Data Qualifiers

Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample. For surrogates or TIC, result is an estimate.
J-	Result is an estimate. Low biased
J+	Result is an estimate. High biased
UJ	The analyte was not detected above the reported sample quantitation limit. The reported quantitation limit is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected and unusable. The analyte may or may not be present.

Client and Laboratory Sample IDs

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575144
Report Date: 12/05/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2575144-01	TRIP BLANK-1	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 15:00	11/24/25
L2575144-02	MW-10S	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 10:45	11/24/25
L2575144-03	MW-3S	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 10:10	11/24/25
L2575144-04	MW-1S	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 08:45	11/24/25
L2575144-05	MW-8S	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 11:35	11/24/25
L2575144-06	MW-29S	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 11:55	11/24/25
L2575144-07	MW-28S	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 13:20	11/24/25
L2575144-08	MW-27S	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 12:40	11/24/25
L2575144-09	DUP-112425	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 12:00	11/24/25
L2575144-10	MW-2D	WATER	1000 TURK HILL RD, FAIRPORT, NY	11/24/25 14:05	11/24/25

Project Name: 1000 TURK HILL RD GWS
Project Number: 3113.0001Y000

Lab Number: L2575576
Report Date: 12/09/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2575576-01	MW-2S	WATER	FAIRPORT, NY	11/25/25 14:30	11/25/25
L2575576-02	MW-2M	WATER	FAIRPORT, NY	11/25/25 10:35	11/25/25
L2575576-03	MW-16S	WATER	FAIRPORT, NY	11/25/25 13:45	11/25/25
L2575576-04	RXMW-9S	WATER	FAIRPORT, NY	11/25/25 12:15	11/25/25
L2575576-05	MW-35M	WATER	FAIRPORT, NY	11/25/25 09:45	11/25/25
L2575576-06	DUP-112525	WATER	FAIRPORT, NY	11/25/25 09:00	11/25/25
L2575576-07	TRIP-BLANK-2	TRIP BLANK (AQUEOUS)	FAIRPORT, NY	11/25/25 12:00	11/25/25
L2575576-08	WC-112525	WATER	FAIRPORT, NY	11/25/25 12:00	11/25/25

APPENDIX C

Groundwater Monitoring Field Forms

Well Sampling Data Form

Client: New Coleman Holdings Inc. **Project Number:** 3113.0001Y000

Site Location: 1000 Turk Hill Road, Fairport, NY

Well No: MW-1S Weather: 36 Degrees F, Sunny

Date: 11/24/2025 Purge Water Disposal: Drummed onsite

Sampled By: JY Well Diameter / Type: 2" PVC

Depth of Well (ft): 11.90 Water Column (ft): 0.35

Depth to Water(ft): 11.55 Volume of Water in Well (gal) 0.06

Depth to Product (ft): - Volume of Water to Remove (gal):

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 8:42 AM Purge Rate: 150

End Purging: 8:46 AM Volume of Water Removed (gal):

Method of Purge: Peri pump Method of Sampling: Low flow

Depth of Intake: 1" from bottom

Physical Appearance/ Comments: Initally murky/ black sediment, flow became cloudy / opaque gray/ Due to little water in well, sample was collected before parameters could be recorded.

Samples Collected: (analyses / no. bottles)

Time: 8:45 Laboratory : PACE

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)

ROUX

Well Sampling Data Form

Client: New Coleman Holdings Inc. **Project Number:** 3113.0001Y000

Site Location: 1000 Turk Hill Road, Fairport, NY

Well No: MW-2D Weather: 46 degrees F, Sunny

Date: 11/25/2025 Purge Water Disposal: Drummed onsite

Sampled By: JY Well Diameter / Type: 2" PVC

Depth of Well (ft): 28.68 Water Column (ft): 17.78

Depth to Water(ft): 10.90 Volume of Water in Well (gal) 2.89

Depth to Product (ft): - Volume of Water to Remove (gal):

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 1:30 PM Purge Rate: 200 ml/min

End Purging: 2:10 PM Volume of Water Removed (gal):

Method of Purge: Peri pump Method of Sampling: Low flow

Depth of Intake: 24'

Physical Appearance/ Comments: Intial black/organic debris, followed by clear water

Samples Collected: (analyses / no. bottles)

Time: 14:05 Laboratory : PACE

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
13:35	11.05	200 ml/min	-183	1.940	7.0	6.93	13.65	11.10
13:40	11.05		-206	2.020	3.6	6.97	13.88	11.15
13:45	11.05		-212	2.070	3.1	6.98	13.93	10.92
13:50	11.05		-214	2.100	2.0	6.97	14.08	10.57
13:55	11.05		-216	2.110	1.9	6.95	14.20	10.12
14:00	11.05		-218	2.140	1.4	6.97	14.18	9.75

ROUX

Well Sampling Data Form

Client: New Coleman Holdings Inc. **Project Number:** 3113.0001Y000

Site Location: 1000 Turk Hill Road, Fairport, NY

Well No: MW-2M Weather: 43 Degrees, mostly cloudy

Date: 11/25/2025 Purge Water Disposal: Drummed onsite

Sampled By: JY Well Diameter / Type: 2" PVC

Depth of Well (ft): 19.54 Water Column (ft): 8.34

Depth to Water(ft): 11.20 Volume of Water in Well (gal) 1.35

Depth to Product (ft): - Volume of Water to Remove (gal):

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 10:00 AM Purge Rate: 150

End Purging: 10:45 AM Volume of Water Removed (gal):

Method of Purge: Peri pump Method of Sampling: Low flow

Depth of Intake: ~19' bgs

Physical Appearance/ Comments: Intially black/organic sediment, clear as purging progresses

Samples Collected: (analyses / no. bottles) Split sample location

Time: 10:35 Laboratory : PACE

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
10:05	11.35	150	-96	2.25	36.3	7.02	12.57	4.12
10:10	11.35		-107	2.26	42.1	6.98	13.47	4.03
10:15	11.35		-109	2.28	54.2	6.91	13.82	3.91
10:20	11.35		-113	2.28	31.1	6.80	14.03	3.85
10:25	11.35		-123	2.28	20.7	6.84	14.17	3.88
10:30	11.35		-127	2.27	18.1	6.83	14.26	3.90

ROUX

Well Sampling Data Form

Client: New Coleman Holdings Inc. **Project Number:** 3113.0001Y000

Site Location: 1000 Turk Hill Road, Fairport, NY

Well No: MW-2S Weather:

Date: 9/23/2025 Purge Water Disposal: Drummed onsite

Sampled By: JY Well Diameter / Type: 2" PVC

Depth of Well (ft): 12.65 Water Column (ft): 2.00

Depth to Water(ft): 10.65 Volume of Water in Well (gal) 0.32

Depth to Product (ft): - Volume of Water to Remove (gal):

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 10:55 AM Purge Rate: 150

End Purging: 11:35 AM Volume of Water Removed (gal): 1

Method of Purge: Peri pump Method of Sampling: Low flow

Depth of Intake: 12'

Physical Appearance/ Comments: Clear, dry prior to sampling, let well recharge and collected samples at the end of the day

Samples Collected: (analyses / no. bottles) Bio sample, split sample

Time: Laboratory : PACE

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
11:00	11.3	150	-86	2.18	30.2	6.82	14.41	8.14
11:05	11.4		-88	2.18	27.5	6.82	14.32	7.75
11:10	11.8		-88	3.07	23.5	6.78	14.09	7.16
11:15	12		-92	3.20	25.3	6.81	13.98	7.02
11:20	12.1		-96	3.06	30.1	6.85	13.80	6.76
11:25	12.25		-83	3.06	27.8	6.89	13.81	7.33
11:30	12.3		-85	3.29	29.6	6.9	13.75	7.48

ROUX

Well Sampling Data Form

Client: New Coleman Holdings Inc. **Project Number:** 3113.0001Y000

Site Location: 1000 Turk Hill Road, Fairport, NY

Well No: MW-3S Weather: 46 Degrees F, mostly cloudy

Date: 11/24/2025 Purge Water Disposal: Drummed onsite

Sampled By: JY Well Diameter / Type: 2" PVC

Depth of Well (ft): 12.33 Water Column (ft): 2.28

Depth to Water(ft): 10.05 Volume of Water in Well (gal) 0.37

Depth to Product (ft): - Volume of Water to Remove (gal):

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 9:30 AM Purge Rate: 150

End Purging: 10:25 AM Volume of Water Removed (gal): 1

Method of Purge: Peri pump Method of Sampling: Low flow

Depth of Intake: ~12' bgs

Physical Appearance/ Comments: Initial black/organic looking debris, clear afetr

Samples Collected: (analyses / no. bottles) DUP-112425 collected at 12:00

Time: 10:10 Laboratory : PACE

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
9:40	10.6	150	-94	1.13	11.4	7.18	13.56	7.27
9:45	10.7		-103	1.11	8.5	7.19	13.84	6.84
9:50	10.85		-110	1.11	6.1	7.19	14.16	6.43
9:55	10.9		-114	1.12	3.8	7.18	14.23	6.19
10:00	11		-120	1.18	2.8	7.16	14.33	5.94
10:05	11.1		-124	1.26	2.4	7.19	14.42	6.13

ROUX

Well Sampling Data Form

Client: New Coleman Holdings Inc. **Project Number:** 3113.0001Y000

Site Location: 1000 Turk Hill Road, Fairport, NY

Well No: MW-8S Weather: 46 Degrees F, Mostly cloudy

Date: 11/24/2025 Purge Water Disposal: Drummed onsite

Sampled By: JY Well Diameter / Type: 2" PVC

Depth of Well (ft): 14.90 Water Column (ft): 4.40

Depth to Water(ft): 10.50 Volume of Water in Well (gal) 0.72

Depth to Product (ft): - Volume of Water to Remove (gal):

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 11:00 AM Purge Rate: 150

End Purging: 11:40 AM Volume of Water Removed (gal):

Method of Purge: Peri pump Method of Sampling: Low flow

Depth of Intake: 12' bgs

Physical Appearance/ Comments: Initial black debris, followed by clear water

Samples Collected: (analyses / no. bottles)

Time: 11:35 Laboratory : PACE

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
11:05	10.7	150	-27	5.64	5.5	6.84	13.38	8.84
11:10	10.8		-46	5.64	5.1	6.80	13.13	8.96
11:15	10.8		-12	5.56	1.5	6.77	13.99	9.33
11:20	10.85		2	5.44	1.1	6.78	14.06	9.54
11:25	10.85		12	5.10	0.8	6.81	14.13	9.29
11:30	10.85		17	4.78	0.4	6.83	14.16	8.98

ROUX

Well Sampling Data Form

Client: New Coleman Holdings Inc. **Project Number:** 3113.0001Y000

Site Location: 1000 Turk Hill Road, Fairport, NY

Well No: RXMW-9S Weather: 48F, cloudy

Date: 11/25/2025 Purge Water Disposal: Drummed onsite

Sampled By: ES Well Diameter / Type: 2" PVC

Depth of Well (ft): 15.78 Water Column (ft): 6.56

Depth to Water(ft): 9.22 Volume of Water in Well (gal) 1.07

Depth to Product (ft): - Volume of Water to Remove (gal):

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 11:45 AM Purge Rate:

End Purging: 12:15 PM Volume of Water Removed (gal):

Method of Purge: Peri pump Method of Sampling: Low flow

Depth of Intake:

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) Bio sample

Time: Laboratory : PACE

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
11:45	9.22	130	-197	3.98	22.1	8.00	12.9	19.79
11:50	9.31		-243	3.88	6.3	7.97	12.82	13.70
11:55	9.3		-243	3.85	2.3	7.95	12.84	13.17
12:00	9.3		-244	3.87	0.0	7.92	12.82	12.90
12:05	9.3		-240	3.87	0.0	7.91	12.77	12.83
12:10	9.3		-237	3.93	0.0	7.90	12.74	12.73
12:15	9.3		-236	3.93	0.0	7.9	12.74	12.72

ROUX

Well Sampling Data Form

Client: New Coleman Holdings Inc. **Project Number:** 3113.0001Y000

Site Location: 1000 Turk Hill Road, Fairport, NY

Well No: MW-10S Weather: 45F, cloudy

Date: 11/24/2025 Purge Water Disposal: Drummed onsite

Sampled By: ES Well Diameter / Type: 2" PVC

Depth of Well (ft): 17.15 Water Column (ft): 3.84

Depth to Water(ft): 13.31 Volume of Water in Well (gal) 0.62

Depth to Product (ft): - Volume of Water to Remove (gal):

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 10:12 AM Purge Rate: 150

End Purging: 10:45 AM Volume of Water Removed (gal): 2.00

Method of Purge: Peri pump Method of Sampling: Low flow

Depth of Intake: ~16' bgs

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles)

Time: Laboratory : PACE

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
10:15	13.31	150	-177	2.60	10.8	8.20	10.51	18.26
10:20	13.98		-197	2.83	33.7	8.18	10.42	15.45
10:25	13.94		-199	3.22	45.1	8.15	10.68	14.71
10:30	13.94		-194	3.36	35.9	8.15	10.76	14.52
10:35	13.94		-191	3.41	26.5	8.15	10.81	14.46
10:40	13.93		-183	3.51	18.8	8.15	10.88	14.33
10:45	13.93		-176	3.59	14.6	8.15	11.01	14.15

ROUX

Well Sampling Data Form

Client: New Coleman Holdings Inc. **Project Number:** 3113.0001Y000

Site Location: 1000 Turk Hill Road, Fairport, NY

Well No: MW-15S Weather: 36F, cloudy

Date: 11/25/2025 Purge Water Disposal: Drummed onsite

Sampled By: JY Well Diameter / Type: 2" PVC

Depth of Well (ft): 13.00 Water Column (ft):

Depth to Water(ft): 12.80 Volume of Water in Well (gal)

Depth to Product (ft): - Volume of Water to Remove (gal):

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: Purge Rate:

End Purging: Volume of Water Removed (gal):

Method of Purge: Peri pump Method of Sampling: Low flow

Depth of Intake: ~12.8' bgs

Physical Appearance/ Comments: Light gray/brown, clay/silty material in tubing with some moisture. Well not sampled.

Samples Collected: Dry
(analyses / no. bottles)

Time: Laboratory : PACE

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)

ROUX

Well Sampling Data Form

Client: New Coleman Holdings Inc. **Project Number:** 3113.0001Y000

Site Location: 1000 Turk Hill Road, Fairport, NY

Well No: MW-16S Weather: 43F, cloudy

Date: 11/25/2025 Purge Water Disposal: Drummed onsite

Sampled By: ES Well Diameter / Type: 2" PVC

Depth of Well (ft): 14.60 Water Column (ft): 5.19

Depth to Water(ft): 9.41 Volume of Water in Well (gal) 0.85

Depth to Product (ft): - Volume of Water to Remove (gal): 1.0

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 1:10 PM Purge Rate: 150

End Purging: 1:45 PM Volume of Water Removed (gal):

Method of Purge: Peri pump Method of Sampling: Low flow

Depth of Intake: ~13' bgs

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) Bio sample

Time: 13:45 Laboratory : PACE

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
13:10	10.22	150	-142	1.98	10.8	7.80	14.57	11.26
13:15	10.49		-168	1.91	7.7	7.79	14.94	11.63
13:20	10.53		-177	1.64	2.5	7.79	14.97	11.77
13:25	10.57		-187	1.47	2.2	7.78	15.10	11.75
13:30	10.57		-194	1.46	1.0	7.78	15.21	11.73
13:35	10.51		-195	1.46	0.8	7.78	15.24	11.72
13:40	10.5		-196	1.48	1.2	7.78	13.31	11.68
13:45			-192	1.50	1.3	7.77	15.27	11.73

ROUX

Well Sampling Data Form

Client: New Coleman Holdings Inc. **Project Number:** 3113.0001Y000

Site Location: 1000 Turk Hill Road, Fairport, NY

Well No: MW-27S Weather: 45F, mostly cloudy

Date: 11/24/2025 Purge Water Disposal: Drummed onsite

Sampled By: JY Well Diameter / Type: 2" PVC

Depth of Well (ft): 14.25 Water Column (ft): 5.60

Depth to Water(ft): 8.65 Volume of Water in Well (gal) 0.91

Depth to Product (ft): - Volume of Water to Remove (gal):

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 12:05 PM Purge Rate: 150

End Purging: 1:05 PM Volume of Water Removed (gal):

Method of Purge: Peri pump Method of Sampling: Low flow

Depth of Intake: 13.00

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) MS/MSD collected

Time: 12:40 Laboratory : PACE

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
12:10	9.25	150	-10	1.04	12.7	6.72	13.15	10.79
12:15	9.7		-19	1.10	5.7	6.79	13.39	10.51
12:20	9.9		-24	1.18	4.2	6.83	13.22	10.52
12:25	1.1		-26	1.80	8.6	6.84	13.10	9.60
12:30	10.2		-29	1.38	7.8	688.00	13.05	9.47
12:35	10.4		-31	1.47	7.2	6.90	13	9.83

ROUX

Well Sampling Data Form

Client: New Coleman Holdings Inc. **Project Number:** 3113.0001Y000

Site Location: 1000 Turk Hill Road, Fairport, NY

Well No: MW-8S Weather: 42F, cloudy

Date: 11/24/2025 Purge Water Disposal: Drummed onsite

Sampled By: ES Well Diameter / Type: 2" PVC

Depth of Well (ft): 14.36 Water Column (ft): 4.55

Depth to Water(ft): 9.81 Volume of Water in Well (gal) 0.74

Depth to Product (ft): - Volume of Water to Remove (gal):

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 8:37 AM Purge Rate: 150

End Purging: 9:15 AM Volume of Water Removed (gal):

Method of Purge: Peri pump Method of Sampling: Low flow

Depth of Intake: ~13' bgs

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles)

Time: 13:20 Laboratory : PACE

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
12:45	9.81	150	-26	2.12	6.3	7.96	10.07	13.71
12:50	9.92		7	2.08	9.3	7.95	10.48	12.92
12:55	10.11		16	2.05	7.2	7.93	11	12.51
13:00	10.22		17	2.05	7.3	7.92	11.12	12.45
13:05	10.39		19	2.04	7.1	7.92	11.21	12.38
13:10	10.41		22	2.03	6.1	7.89	11.2	12.37
13:15	10.5		26	2.02	4.0	7.82	10.9	12.41
13:20	10.5		27	2.00	4.2	7.82	10.96	12.93

ROUX

Well Sampling Data Form

Client: New Coleman Holdings Inc. **Project Number:** 3113.0001Y000

Site Location: 1000 Turk Hill Road, Fairport, NY

Well No: MW-29S Weather: 45F, cloudy

Date: 11/24/2025 Purge Water Disposal: Drummed onsite

Sampled By: ES Well Diameter / Type: 2" PVC

Depth of Well (ft): 14.21 Water Column (ft): 2.58

Depth to Water(ft): 11.63 Volume of Water in Well (gal) 0.42

Depth to Product (ft): - Volume of Water to Remove (gal):

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 11:15 Purge Rate: 150

End Purging: 11:55 Volume of Water Removed (gal):

Method of Purge: Peri pump Method of Sampling: Low flow

Depth of Intake: ~12' bgs

Physical Appearance/ Comments: Clear, sulfur odor

Samples Collected: (analyses / no. bottles) MS/MSD collected

Time: 11:55 Laboratory : PACE

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
11:20	11.63	150	-64	2.84	56.7	7.95	11.05	13.31
11:25	11.99		-66	2.98	49.5	7.74	10.18	14.05
11:30	12.01		-76	3.11	45.5	7.81	9.81	12.09
11:35	12.41		-100	4.41	102.0	8.07	11.40	12.69
11:40	12.52		-108	4.35	36.2	8.06	11.45	12.81
11:45	12.85		-114	4.42	19.6	8.05	11.5	123.79
11:50	12.85		-115	4.46	19.1	8.05	11.53	12.76
11:55	12.85		-116	4.50	32	8.05	11.53	12.74

ROUX

Well Sampling Data Form

Client: New Coleman Holdings Inc. **Project Number:** 3113.0001Y000

Site Location: 1000 Turk Hill Road, Fairport, NY

Well No: MW-35M Weather: 40F, Cloudy

Date: 11/25/2025 Purge Water Disposal: Drummed onsite

Sampled By: ES Well Diameter / Type: 2" PVC

Depth of Well (ft): 21.70 Water Column (ft):

Depth to Water(ft): 21.70 Volume of Water in Well (gal)

Depth to Product (ft): - Volume of Water to Remove (gal):

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 9:10 AM Purge Rate: 150

End Purging: 10:15 AM Volume of Water Removed (gal): 2

Method of Purge: Peri pump Method of Sampling: Low flow

Depth of Intake: ~20' bgs

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) Dup-112525 collected

Time: 9:45 Laboratory : PACE

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
9:10	9.23	150	-84	0.40	83.5	7.84	12.08	15.09
9:15	10.55		-88	0.40	85.3	7.84	13.16	13.87
9:20	10.92		-95	0.65	84.8	7.80	13.51	14.02
9:25	10.99		-102	0.89	55.2	7.89	13.24	13.93
9:30	11.03		-108	1.18	37.7	7.94	13.26	13.84
9:35	11.25		-110	1.32	26.1	7.94	13.78	13.38
9:40	11.25		-111	1.43	21.1	7.97	13.77	13.32
9:45	11.25		-113	1.50	16.3	7.99	13.66	13.36

ROUX